

Incident ID	nAB1914252909
District RP	2RP-5436
Facility ID	
Application ID	

## Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: *Chase Settle* Date: 12/30/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 01/03/2023

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

Closure Approved by: *Robert Hamlet* Date: 5/5/2023  
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



**EOG Resources, Inc.**  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

December 30, 2022

NMOCD District II  
Artesia, NM 88210

Re: Nix GP Battery  
O-22-18S-26E  
Eddy County, NM  
nAB1914252909  
2RP-5436

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The plan is being submitted in response to the C-141 dated May 16, 2019.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

*Chase Settle*

Chase Settle  
Rep Safety & Environmental Sr  
EOG Resources, Inc.

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**EOG Resources, Inc.**

**Nix GP Battery**

**Closure Report**

**O-22-18S-26E**

**Eddy County, NM**

**nAB1914252909**

**2RP-5436**

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**I. Location**

From the intersection of Hwy 285 and E Dayton Road, head east for 1.4 miles, then take the lease road north to the location.

**II. Background**

On May 16, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 21 B/CO and 19 B/PW with 7 B/CO and 0 B/PW recovered that occurred May 5, 2019. There was a pinhole leak in the bottom of production tank that allowed the release. A vacuum truck was called to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils. Excavated soils were sent to a NMOCD approved disposal facility during the initial excavation activities. Initial excavation consisted of removing all visually impacted soils to a depth of four (4) feet below grade surface (bgs). Initial vertical and horizontal soil sampling (5/28/2019 results enclosed) was conducted May 16, 2019. Without discovering the bottom of impaction or the horizontal extents during the initial sampling, further sampling occurred on June 10, 2019, after notification was provided to NMOCD on June 5, 2019. Results (6/19/2019) determined the vertical depth of impaction from the release. On June 11, 2019, after visually inspecting the soil during the sampling process the previous day, Liquid Remediate (microbial bioremediation product) was mixed into the soils showing BTEX and TPH impacts. 16 gallons of Liquid Remediate was mixed with 160 gallons of fresh water, then added to the impacted soils within the V3, V4, V5, and V6 areas as they were stirred with an excavator. The product was allowed to perform bioremediation of the soils and confirmation samples were taken August 27, 2019, along with final horizontal confirmation samples (8/29/2019 results enclosed).

Due to the completion of bioremediation of the V3 area and excavation complete to the horizontal extents required, EOG Resources, Inc. commenced backfill of the V1, V2, and V3 areas with caliche to reinstall the production tanks and place the battery back into service. Once this was complete, the remaining island supporting the gas meter at the H11 sidewall, was completely excavated to four (4) feet bgs. This made the H10 and H12 horizontal areas continuous in the addressment of the impacted H11 area. A confirmation sample was collected at four (4) feet bgs at the sidewall that was exposed between H10 and H12. This sample was sent a third-party laboratory for analysis (results 02/04/2020), confirming that the excavated area met the requirements for NMAC 19.15.29.13.

With the reduction in contaminate concentration between initial soil sampling on May 16, 2019, and the confirmation samples collected August 27, 2019, EOG again treated the V4, V5, and V6 vertical areas with Liquid Remediate on September 12, 2019. The treatment on September 12 followed the protocol used for the June 11 treatment, 16 gallons of Liquid Remediate was mixed in with 160 gallons of fresh water and the mixture was applied to the soils as it was stirred with an excavator. EOG Resources, Inc. allowed the bioremediation product to work on the impacted soils during the Remediation Plan review stage after the submittal on October 7, 2019. EOG continued to let the bioremediation continue until November 2020, when after no response was received to the plan, it was determined to proceed with performing confirmation sampling as previously completed, taking a sample every two (2) feet within the treatment areas, with sampling to extend four (4) feet past the known impaction depth.

On November 12, 2020, after the submission of Sampling Notification to NMOCD District II 48 hours prior, confirmation sampling was completed in in the V4, V5, and V6 areas. Results of the sampling concluded that the V4 area was below concentration requirements of Table 1. Based on

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the V5 and V6 areas still showing impacts, the bioremediation was allowed to continue as the soils were stirred during the sampling procedure.

On April 15, 2021, after the submission of Sampling Notification to NMOCD District II 48 hours prior, confirmation sampling was again completed in the V5 and V6 areas. The V6 area results indicated that it had met the concentration requirements of Table 1.

### III. Surface and Ground Water

Area geology is Cenozoic Quaternary. Based on information from the United States Geological Survey National Water Information System (USGS) regarding this location (Section 22, T18S-R26E), depth to groundwater is approximately 75 feet, however the nearest water wells are approximately 0.7 mile to the northeast and northwest. Due to the distance from water wells, EOG contracted Talon LPE to perform an Exploratory Boring to determine if the depth of groundwater was greater than 55 feet. On May 18, 2021, Talon mobilized to the site to complete a soil boring/temporary monitor well to 55 feet below grade surface. The well was installed at approximate GPS coordinates 32.72874, -104.36838 located within a half mile of the site. Using air rotary techniques the well was drilled to 55 feet bgs with two-inch tubing installed for temporary monitoring. The well was allowed to equilibrate for 72 hours post completion before gauging confirmed the lack of water, confirming that depth to groundwater was greater than 55 feet.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being the Pecos River at approximately 3.3 miles away. The site is located outside of critical karst areas and outside of the 100-year floodplain.

### IV. NMOCD Assessment Criteria

The site assessment criteria is as follows:

Depth to ground water	> 50-99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
Chlorides	10,000 mg/kg

### V. Soils

USDA Natural Resources Conservation Service (NRCS) classifies soil at the site as Reeves loam, with 1-3% slopes.

### VI. 2022 Scope of Work

Due to the failed confirmation results of the V5 area, and divestment of the battery, EOG contracted Ensolum, LLC. (Ensolum) to perform an assessment of the V5 area. Based on the initial assessment sampling conducted by Ensolum, it was determined to excavate the remaining impacted soils with those excavated being sent to NMOCD approved facility for disposal.

energy opportunity growth

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Ensolum was onsite on 11/11/2022 to advance two potholes in the V5 area to perform assessment of the soils remaining in the area. Potholes were advanced to depths of 21 feet bgs (16 feet below the former excavation grade), with the west pothole containing elevated TPH and/or chloride from 15 to 21 feet bgs. Based on those results, Ensolum and an EOG contractor excavated to 22 feet bgs, beginning on the west side of the V5 area in order to remove impacted soil above the Table I Closure Criteria. Excavation activities were performed between 12/5 and 12/8, with sidewall and floor confirmation samples collected for laboratory analysis. Analytical results indicated that SW01, SW03, and FS01 exceeded the applicable closure criteria and/or reclamation requirement. To address remaining impacts, Ensolum supervised the excavation of additional soil on 12/21 and 12/22 from the west sidewall of the excavation and floor in the area of FS01. Additional confirmation samples were collected on 12/22 after the remaining impacted soil was removed.

In conjunction with the shallow sidewall samples collected by EOG in 2019, all final sidewall and floor samples are in compliance with the NMAC 19.15.29.12 & 13.

**VII. Closure**

Based on the site remediation activities and results of the confirmation soil samples, the site has been properly addressed according to NMAC 19.15.29 and EOG respectfully requests closure of incident nAB1914252909. A C-141 Closure form is attached.

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# Tables

## Soil Analytical Data

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## Pre 2022 Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
<b>Vertical Assessment Results</b>												
V1-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
V1-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
V2-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V2-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V3-4'	4	5/16/19	<0.050	0.050	<0.050	<0.150	<0.300	<10.0	1830	509	2339	3080
V3-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
V3-8'	8	5/16/19	<0.050	<0.050	0.160	<0.150	<0.300	<10.0	487	<10.0	487	160
V3-10'	10	5/16/19	<0.050	0.074	5.61	0.370	6.06	66.9	1000	104	1170.9	96
V3-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1720
V3-15'	15	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1090
V4-4'	4	5/16/19	0.094	0.179	3.38	13.8	17.4	<50.0	9710	2200	11910	4520
V4-6'	6	5/16/19	0.869	1.20	12.7	26.5	41.3	242	6040	1110	7392	1790
V4-8'	8	5/16/19	0.907	1.27	14.5	29.6	46.3	300	5900	935	7135	1920
V4-10'	10	5/16/19	0.234	0.482	6.35	13.0	20.0	127	2250	388	2765	1940
V4-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6320
V4-14'	14	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9800
V5-4'	4	5/16/19	0.059	0.089	2.54	4.50	7.18	<50.0	8570	1990	10560	6560
V5-6'	6	5/16/19	0.896	0.437	11.3	5.87	18.5	193	3400	852	4445	5200
V5-8'	8	5/16/19	0.596	0.275	8.73	3.66	13.3	106	1970	403	2479	4080
V5-10'	10	5/16/19	0.827	0.426	12.8	5.43	19.5	216	3200	698	4114	4800
V5-15'	15	6/10/19	<0.050	<0.050	0.072	<0.150	<0.300	<10.0	30.9	<10.0	30.9	6240
V5-19'	19	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6480
V6-4'	4	5/16/19	<0.050	<0.050	0.054	<0.150	<0.300	<10.0	1160	288	1448	7460
V6-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1820	561	2381	6320
V6-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	897	215	1112	7600
V6-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8800
<b>Sidewalk Confirmation Results</b>												
H1	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
H2	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.9	30.8	58.7	64
H3	0-4	5/16/19	<0.050	0.056	<0.050	<0.150	<0.300	<10.0	65.7	55.3	121	48
H4	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2440
H4-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	521	347	868	560
H5	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1280
H5-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	84	216	2560
H5-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10	<10.0	10	288
H6	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1310
H6-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	154	20.7	174.7	560
H7	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608
H7-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	251	129	380	80
H8	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H9	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
H10	0-4	5/16/19	<0.050	<0.050	0.811	2.02	2.83	<10.0	1560	384	1944	3080
H10-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1220
H10-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H11	0-4	5/16/19	<0.050	<0.050	0.232	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	848
H11-2	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	343	162	505	896
H12	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64

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## Pre 2022 Vertical Confirmation Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V3C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	710	227	937	1410
V3C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	397	132	529	1040
V3C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.3	<10.0	14.3	944
V3C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.1	<10.0	41.1	832
V3C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
V3C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	976
V4C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	10500	3160	13660	5920
V4C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3600
V4C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3080
V4C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3440
V4C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4080
V4C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5680
V4C-16'	16	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7060
V5C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2780	752	3532	5600
V5C-6'	6	8/27/19	<0.050	<0.050	0.063	0.299	0.362	58	2890	746	3694	3600
V5C-8'	8	8/27/19	<0.050	0.079	0.995	2.06	3.14	87.2	2620	683	3390.2	3920
V5C-10'	10	8/27/19	<0.050	0.154	1.61	2.04	3.8	81.3	2420	616	3117.3	3360
V5C-12'	12	8/27/19	<0.200	0.294	1.98	4.90	7.18	137	5020	1470	6627	3320
V5C-14'	14	8/27/19	0.072	0.184	2.04	4.26	6.55	96.3	3010	831	3937.3	3680
V5C-16'	16	8/27/19	0.073	0.126	1.71	1.84	3.74	37.3	1150	295	1482.3	4760
V6C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2330	679	3009	6000
V6C-6'	6	8/27/19	<0.050	<0.050	0.074	<0.150	<0.300	<10.0	225	78.5	303.5	3080
V6C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	371	90.3	461.3	3680
V6C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5460
V6C-12'	12	8/27/19	<0.050	<0.050	0.174	0.158	0.332	<10.0	71.9	<10.0	71.9	2320
V6C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5200



**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
Nix GP Battery  
EOG Resources  
Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table 1 Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Confirmation Floor Soil Samples</b>										
FS01	12/08/2022	17	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>20,400</b>
FS01B	12/22/2022	23	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640
FS02	12/08/2022	21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,600
FS03	12/08/2022	21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
FS04	12/08/2022	21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,600
FS05	12/08/2022	21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,760
FS06	12/22/2022	5	<0.050	<0.300	<10.0	64.2	12.4	64.2	76.6	992
FS07	12/22/2022	5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,960
<b>Confirmation Sidewall Soil Samples</b>										
SW01 0-4' (1)	12/05/2022	0 - 4	<0.050	0.947	11.2	384	81.7	395	477	<b>3,160</b>
SW02 4-15' (1)	12/05/2022	4 - 15	<0.050	0.886	92.0	2,270	504	<b>2,362</b>	<b>2,866</b>	3,880
SW03 0-4'	12/08/2022	4 - 8*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SW04 0-4'	12/08/2022	4 - 8*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
SW05 0-4'	12/08/2022	4 - 8*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW06 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,560
SW07 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	11.3	<10.0	11.3	11.3	2,120
SW08 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	173	91.0	173	264	2,680
SW09 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	17.6	<10.0	17.6	17.6	1,960
SW10 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	33.1	<10.0	33.1	33.1	2,840
SW11 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	142	74.9	142	217	3,040
SW12 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
SW13 4-17'	12/08/2022	8 - 21*	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW14 4-23'	12/22/2022	4 - 23	<0.050	0.348	<50.0	543	118	543	661	1,180
SW15 0-4'	12/22/2022	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304

**Notes:**

bgs: below ground surface  
mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division  
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics  
TPH: Total Petroleum Hydrocarbon

\*: During fieldwork, sample depths were measured from the floor elevation of the previous excavation, which was equivalent to 4 feet below ground surface. For consistency with previously collected samples presented in this report, the sample depths have been adjusted to reflect depth below naturally occurring ground surface elevation.

Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



December 30, 2022

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# Figures

## Site Map with Sample Points

Nix GP Battery  
Closure Report  
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energy **opportunity** growth

Nix GP Battery  
2022 Ensolum Work

**Legend**

- Excavation- Deep portion
- Excavation- Shallow portion
- Sample Point- Confirmation Exc Base
- Sample Point- Confirmation Exc Sidewall



Nix GP Battery  
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# Appendix A

## 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	NAB1914252909
District RP	2RP-5436
Facility ID	fAB1914252604
Application ID	pAB1914252697

## 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)	NAB1914252909
Contact mailing address	104 S. Fourth St., Artesia, NM 88210		

### Location of Release Source

Latitude 32.72936 Longitude -104.36830  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	Nix GP Battery	Site Type	Battery
Date Release Discovered	05/05/2019	API# (if applicable)	

Unit Letter	Section	Township	Range	County
O	22	18S	26E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 7
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 19	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

A pin hole formed in the production tank due to corrosion which allowed for the release of Crude Oil and Produced Water.

State of New Mexico  
Oil Conservation Division

Incident ID	NAB1914252909
District RP	2RP-5436
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  Greater than 25 barrels of fluid was released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification to Rob Hamlet, Victoria Venegas, Mark Naranjo, and Ryan Mann on May 6, 2019, at 9:14 a.m. Email was sent by Katie Jamison.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety and Environmental II</u>
Signature: <u><i>Chase Settle</i></u>	Date: <u>05/16/2019</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b>OCD Only</b>	
Received by: <u><i>Ana Betramante</i></u>	Date: <u>5/22/2019</u>

Incident ID	
District RP	2RP-5436
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>75</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Oil Conservation Division

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Incident ID	
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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: Chase Settle Title: Rep Safety and Environmental II

Signature: *Chase Settle* Date: October 4, 2019

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	2RP-5436
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## Remediation Plan

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

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

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Chase Settle Title: Rep Safety and Environmental II  
 Signature:  Date: 10-4-2019  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAB1914252909
District RP	2RP-5436
Facility ID	
Application ID	

## Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
 Signature: Chase Settle Date: 12/30/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: Jocelyn Harimon Date: 01/03/2023

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



December 30, 2022

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# Appendix B

## DTW Bore Log



# BORING LOG

Project No.: 700438.245.01

Weather: Clear, Temp.: 75°F

Driller: D. Londagin

Site Name: Nix GP Battery

Logger: D. Adkins

Rig Type: Reich Drill

Location: Eddy County, New Mexico

Field Instrument: NA

Bit Size: 5-7/8"

Date: 5/18/2021

Latitude: 32.72874 N

Drilling Method: Air Rotary

Boring Number: B-1

Longitude: -104.36838 W

Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	<input type="checkbox"/>	0-10'				Light gray slightly clayey fine Sand (SP-SC)	None Slight Mod. Strong	
	<input type="checkbox"/>	10-15'				Light gray slightly clayey fine Sand (SP-SC) with caliche	None Slight Mod. Strong	
	<input type="checkbox"/>	15-30'				Light gray/brown slightly clayey fine Sand (SP-SC)	None Slight Mod. Strong	
	<input type="checkbox"/>	30-40'				Light gray/brown clayey fine Sand (SC)	None Slight Mod. Strong	
	<input type="checkbox"/>	40-50'				Gray/brown sandy Caliche	None Slight Mod. Strong	
	<input type="checkbox"/>	50-55'				Gray/brown sandy Clay (CL)	None Slight Mod. Strong	
	<input type="checkbox"/>					__ TD 55' __	None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	

Surface Elevation: \_\_\_\_\_

Notes: Groundwater Not Encountered @ 55' BGS – 72 hr.

Logger Initials: DJA

Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



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# Appendix C

## Laboratory Soil Data



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

April 22, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Nix GP Battery

OrderNo.: 2104808

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 9 sample(s) on 4/17/2021 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-4'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:15:00 AM

**Lab ID:** 2104808-001

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4700	150		mg/Kg	50	4/21/2021 9:26:13 AM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2300	98		mg/Kg	10	4/20/2021 4:40:10 PM	59489
Motor Oil Range Organics (MRO)	1800	490		mg/Kg	10	4/20/2021 4:40:10 PM	59489
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 4:40:10 PM	59489
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 7:20:12 PM	59484
Surr: BFB	97.0	70-130		%Rec	1	4/20/2021 7:20:12 PM	59484
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 7:20:12 PM	59484
Toluene	ND	0.048		mg/Kg	1	4/20/2021 7:20:12 PM	59484
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 7:20:12 PM	59484
Xylenes, Total	ND	0.097		mg/Kg	1	4/20/2021 7:20:12 PM	59484
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	4/20/2021 7:20:12 PM	59484

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-6'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:17:00 AM

**Lab ID:** 2104808-002

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2700	150		mg/Kg	50	4/21/2021 9:38:37 AM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2000	98		mg/Kg	10	4/20/2021 4:59:39 PM	59489
Motor Oil Range Organics (MRO)	1600	490		mg/Kg	10	4/20/2021 4:59:39 PM	59489
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 4:59:39 PM	59489
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	4.9	4.7		mg/Kg	1	4/20/2021 8:07:28 PM	59484
Surr: BFB	128	70-130		%Rec	1	4/20/2021 8:07:28 PM	59484
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	4/20/2021 8:07:28 PM	59484
Toluene	ND	0.047		mg/Kg	1	4/20/2021 8:07:28 PM	59484
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2021 8:07:28 PM	59484
Xylenes, Total	ND	0.093		mg/Kg	1	4/20/2021 8:07:28 PM	59484
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	4/20/2021 8:07:28 PM	59484

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-8'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:21:00 AM

**Lab ID:** 2104808-003

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	60		mg/Kg	20	4/20/2021 7:47:27 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2200	94		mg/Kg	10	4/20/2021 5:19:12 PM	59489
Motor Oil Range Organics (MRO)	2000	470		mg/Kg	10	4/20/2021 5:19:12 PM	59489
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 5:19:12 PM	59489
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/20/2021 9:18:36 PM	59484
Surr: BFB	106	70-130		%Rec	1	4/20/2021 9:18:36 PM	59484
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	4/20/2021 9:18:36 PM	59484
Toluene	ND	0.046		mg/Kg	1	4/20/2021 9:18:36 PM	59484
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2021 9:18:36 PM	59484
Xylenes, Total	ND	0.093		mg/Kg	1	4/20/2021 9:18:36 PM	59484
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	4/20/2021 9:18:36 PM	59484

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-10'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:24:00 AM

**Lab ID:** 2104808-004

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2200	61		mg/Kg	20	4/20/2021 8:24:40 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	1900	93		mg/Kg	10	4/20/2021 5:38:46 PM	59489
Motor Oil Range Organics (MRO)	1900	470		mg/Kg	10	4/20/2021 5:38:46 PM	59489
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 5:38:46 PM	59489
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 9:42:16 PM	59484
Surr: BFB	111	70-130		%Rec	1	4/20/2021 9:42:16 PM	59484
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 9:42:16 PM	59484
Toluene	ND	0.048		mg/Kg	1	4/20/2021 9:42:16 PM	59484
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 9:42:16 PM	59484
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2021 9:42:16 PM	59484
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	4/20/2021 9:42:16 PM	59484

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-12'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:28:00 AM

**Lab ID:** 2104808-005

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2600	150		mg/Kg	50	4/21/2021 9:51:02 AM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	1300	94		mg/Kg	10	4/20/2021 7:37:02 PM	59495
Motor Oil Range Organics (MRO)	1100	470		mg/Kg	10	4/20/2021 7:37:02 PM	59495
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 7:37:02 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 4:14:00 PM	59493
Surr: BFB	129	70-130		%Rec	1	4/20/2021 4:14:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 4:14:00 PM	59493
Toluene	ND	0.048		mg/Kg	1	4/20/2021 4:14:00 PM	59493
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 4:14:00 PM	59493
Xylenes, Total	ND	0.097		mg/Kg	1	4/20/2021 4:14:00 PM	59493
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	4/20/2021 4:14:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-14'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:32:00 AM

**Lab ID:** 2104808-006

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3600	150		mg/Kg	50	4/21/2021 6:55:51 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	470	9.4		mg/Kg	1	4/21/2021 1:35:59 PM	59495
Motor Oil Range Organics (MRO)	560	47		mg/Kg	1	4/21/2021 1:35:59 PM	59495
Surr: DNOP	92.6	70-130		%Rec	1	4/21/2021 1:35:59 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/20/2021 5:13:00 PM	59493
Surr: BFB	120	70-130		%Rec	1	4/20/2021 5:13:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	4/20/2021 5:13:00 PM	59493
Toluene	ND	0.049		mg/Kg	1	4/20/2021 5:13:00 PM	59493
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2021 5:13:00 PM	59493
Xylenes, Total	ND	0.098		mg/Kg	1	4/20/2021 5:13:00 PM	59493
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	4/20/2021 5:13:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-16'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:36:00 AM

**Lab ID:** 2104808-007

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1700	60		mg/Kg	20	4/20/2021 9:01:53 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	55	10		mg/Kg	1	4/20/2021 6:27:59 PM	59495
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/20/2021 6:27:59 PM	59495
Surr: DNOP	81.6	70-130		%Rec	1	4/20/2021 6:27:59 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/20/2021 6:13:00 PM	59493
Surr: BFB	97.4	70-130		%Rec	1	4/20/2021 6:13:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	4/20/2021 6:13:00 PM	59493
Toluene	ND	0.046		mg/Kg	1	4/20/2021 6:13:00 PM	59493
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2021 6:13:00 PM	59493
Xylenes, Total	ND	0.093		mg/Kg	1	4/20/2021 6:13:00 PM	59493
Surr: 4-Bromofluorobenzene	77.0	70-130		%Rec	1	4/20/2021 6:13:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-18'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:43:00 AM

**Lab ID:** 2104808-008

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3900	150		mg/Kg	50	4/21/2021 7:08:16 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	150	9.3		mg/Kg	1	4/21/2021 1:16:44 PM	59495
Motor Oil Range Organics (MRO)	80	47		mg/Kg	1	4/21/2021 1:16:44 PM	59495
Surr: DNOP	88.6	70-130		%Rec	1	4/21/2021 1:16:44 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/20/2021 6:52:00 PM	59493
Surr: BFB	122	70-130		%Rec	1	4/20/2021 6:52:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	4/20/2021 6:52:00 PM	59493
Toluene	ND	0.049		mg/Kg	1	4/20/2021 6:52:00 PM	59493
Ethylbenzene	ND	0.049		mg/Kg	1	4/20/2021 6:52:00 PM	59493
Xylenes, Total	ND	0.098		mg/Kg	1	4/20/2021 6:52:00 PM	59493
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	4/20/2021 6:52:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104808**

Date Reported: **4/22/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5C-20'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 8:52:00 AM

**Lab ID:** 2104808-009

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	6000	300		mg/Kg	100	4/21/2021 7:20:41 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/20/2021 6:37:53 PM	59495
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/20/2021 6:37:53 PM	59495
Surr: DNOP	80.2	70-130		%Rec	1	4/20/2021 6:37:53 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 7:12:00 PM	59493
Surr: BFB	100	70-130		%Rec	1	4/20/2021 7:12:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 7:12:00 PM	59493
Toluene	ND	0.048		mg/Kg	1	4/20/2021 7:12:00 PM	59493
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 7:12:00 PM	59493
Xylenes, Total	ND	0.096		mg/Kg	1	4/20/2021 7:12:00 PM	59493
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	4/20/2021 7:12:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104808

22-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-59515</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59515</b>	RunNo: <b>76784</b>								
Prep Date: <b>4/20/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722972</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-59515</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59515</b>	RunNo: <b>76784</b>								
Prep Date: <b>4/20/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722973</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

**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 Quantitative 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#: 2104808

22-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-59489</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59489</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722456</b>	Units: <b>mg/Kg</b>							
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	10		10.00		103	70	130			

Sample ID: <b>LCS-59489</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59489</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722458</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.5	68.9	141			
Surr: DNOP	4.6		5.000		92.5	70	130			

Sample ID: <b>MB-59495</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59495</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722808</b>	Units: <b>mg/Kg</b>							
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	8.7		10.00		87.4	70	130			

Sample ID: <b>LCS-59495</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59495</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722809</b>	Units: <b>mg/Kg</b>							
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	141			
Surr: DNOP	5.0		5.000		100	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 Quantitative 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#: 2104808

22-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-59484</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59484</b>	RunNo: <b>76825</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722750</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: <b>lcs-59484</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59484</b>	RunNo: <b>76825</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722751</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: <b>LCS-59493</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723303</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>MB-59493</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723304</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	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 Quantitative 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#: 2104808

22-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-59484</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59484</b>	RunNo: <b>76825</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722780</b>			Units: <b>mg/Kg</b>					
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-Bromofluorobenzene	0.98		1.000		98.1	70	130			

Sample ID: <b>LCS-59484</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59484</b>	RunNo: <b>76825</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722782</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.2	80	120			
Toluene	0.92	0.050	1.000	0	91.6	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	70	130			

Sample ID: <b>LCS-59493</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723323</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.6	80	120			
Toluene	0.83	0.050	1.000	0	83.0	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.2	80	120			
Xylenes, Total	2.5	0.10	3.000	0	83.7	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.9	70	130			

Sample ID: <b>MB-59493</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723324</b>			Units: <b>mg/Kg</b>					
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-Bromofluorobenzene	0.83		1.000		83.2	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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2104808 RcptNo: 1

Received By: Cheyenne Cason 4/17/2021 8:40:00 AM
Completed By: Cheyenne Cason 4/17/2021 9:16:37 AM
Reviewed By: [Signature] 04/17/2021

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 4/17/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.9, Good, [ ], [ ], [ ]

### Chain-of-Custody Record

Client: EOG Resources, Inc.  
 Mailing Address: On file  
 Phone #: \_\_\_\_\_  
 email or Fax#: \_\_\_\_\_

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day  
 Standard  Rush  
 Project Name: Nix GP Battery  
 Project #: \_\_\_\_\_

Project Manager: Chase Settle  
 Sampler: Chase Settle  
 On Ice:  Yes  No  
 # of Coolers: \_\_\_\_\_  
 Cooler Temp (including CF): 0.9 ± 0.0.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4-15-21	8:15	Soil	V5C-4'	4oz Glass/1	ICE	2104808
	8:17		V5C-6'			001
	8:21		V5C-8'			002
	8:24		V5C-10'			003
	8:28		V5C-12'			004
	8:32		V5C-14'			005
	8:36		V5C-16'			006
	8:43		V5C-18'			007
	8:52		V5C-20'			008
						009

Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: [Signature]  
 Date: 4-16-21 Time: 8:00 A  
 Relinquished by: \_\_\_\_\_  
 Date: 4/16/21 Time: 1900  
 Relinquished by: [Signature]



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

<input checked="" type="checkbox"/>	BTEX / MTBE / TMB's (8021)
<input checked="" type="checkbox"/>	TPH:8015D(GRO / DRO / MRO)
<input checked="" type="checkbox"/>	8081 Pesticides/8082 PCB's
<input type="checkbox"/>	EDB (Method 504.1)
<input type="checkbox"/>	PAHs by 8310 or 8270SIMS
<input type="checkbox"/>	RCRA 8 Metals
<input checked="" type="checkbox"/>	(Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
<input type="checkbox"/>	8260 (VOA)
<input type="checkbox"/>	8270 (Semi-VOA)
<input type="checkbox"/>	Total Coliform (Present/Absent)

Remarks: \_\_\_\_\_  
Pg 1 of 1



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

February 04, 2020

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 02/03/20 11:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	02/03/2020	Sampling Date:	02/03/2020
Reported:	02/04/2020	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NIX GP BATTERY		

**Sample ID: H 11 C (H000316-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2020	ND	1.93	96.7	2.00	0.489	
Toluene*	<0.050	0.050	02/03/2020	ND	1.92	96.1	2.00	0.242	
Ethylbenzene*	<0.050	0.050	02/03/2020	ND	1.90	95.1	2.00	0.0365	
Total Xylenes*	<0.150	0.150	02/03/2020	ND	5.60	93.3	6.00	0.182	
Total BTEX	<0.300	0.300	02/03/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/04/2020	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2020	ND	230	115	200	6.60	
DRO >C10-C28*	<10.0	10.0	02/04/2020	ND	227	114	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	02/04/2020	ND					

Surrogate: 1-Chlorooctane 95.0 % 41-142

Surrogate: 1-Chlorooctadecane 96.6 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 30, 2020

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Nix GP Battery

OrderNo.: 2011967

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/19/2020 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-4'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:08:00 AM

**Lab ID:** 2011967-001

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2700	150		mg/Kg	50	11/25/2020 11:57:13 PM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	370	8.9		mg/Kg	1	11/23/2020 5:41:42 PM	56557
Motor Oil Range Organics (MRO)	390	45		mg/Kg	1	11/23/2020 5:41:42 PM	56557
Surr: DNOP	100	30.4-154		%Rec	1	11/23/2020 5:41:42 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2020 5:45:00 AM	56553
Surr: BFB	90.5	75.3-105		%Rec	1	11/21/2020 5:45:00 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 5:45:00 AM	56553
Toluene	ND	0.048		mg/Kg	1	11/21/2020 5:45:00 AM	56553
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2020 5:45:00 AM	56553
Xylenes, Total	ND	0.097		mg/Kg	1	11/21/2020 5:45:00 AM	56553
Surr: 4-Bromofluorobenzene	95.8	80-120		%Rec	1	11/21/2020 5:45:00 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-6'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:10:00 AM

**Lab ID:** 2011967-002

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	150		mg/Kg	50	11/26/2020 12:09:38 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	55	9.0		mg/Kg	1	11/24/2020 8:12:04 AM	56557
Motor Oil Range Organics (MRO)	160	45		mg/Kg	1	11/24/2020 8:12:04 AM	56557
Surr: DNOP	97.5	30.4-154		%Rec	1	11/24/2020 8:12:04 AM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/21/2020 6:08:27 AM	56553
Surr: BFB	90.1	75.3-105		%Rec	1	11/21/2020 6:08:27 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	11/21/2020 6:08:27 AM	56553
Toluene	ND	0.050		mg/Kg	1	11/21/2020 6:08:27 AM	56553
Ethylbenzene	ND	0.050		mg/Kg	1	11/21/2020 6:08:27 AM	56553
Xylenes, Total	ND	0.10		mg/Kg	1	11/21/2020 6:08:27 AM	56553
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	11/21/2020 6:08:27 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-8'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:12:00 AM

**Lab ID:** 2011967-003

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2700	150		mg/Kg	50	11/26/2020 12:22:03 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/23/2020 6:52:32 PM	56557
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2020 6:52:32 PM	56557
Surr: DNOP	98.4	30.4-154		%Rec	1	11/23/2020 6:52:32 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2020 6:31:57 AM	56553
Surr: BFB	92.6	75.3-105		%Rec	1	11/21/2020 6:31:57 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.023		mg/Kg	1	11/21/2020 6:31:57 AM	56553
Toluene	ND	0.047		mg/Kg	1	11/21/2020 6:31:57 AM	56553
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2020 6:31:57 AM	56553
Xylenes, Total	ND	0.093		mg/Kg	1	11/21/2020 6:31:57 AM	56553
Surr: 4-Bromofluorobenzene	99.6	80-120		%Rec	1	11/21/2020 6:31:57 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-10'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:14:00 AM

**Lab ID:** 2011967-004

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3100	150		mg/Kg	50	11/26/2020 12:34:27 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>CLP</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/20/2020 7:04:26 PM	56557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2020 7:04:26 PM	56557
Surr: DNOP	65.0	30.4-154		%Rec	1	11/20/2020 7:04:26 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2020 6:55:32 AM	56553
Surr: BFB	93.0	75.3-105		%Rec	1	11/21/2020 6:55:32 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 6:55:32 AM	56553
Toluene	ND	0.048		mg/Kg	1	11/21/2020 6:55:32 AM	56553
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2020 6:55:32 AM	56553
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2020 6:55:32 AM	56553
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	11/21/2020 6:55:32 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-12'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:17:00 AM

**Lab ID:** 2011967-005

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4300	150		mg/Kg	50	11/26/2020 12:46:51 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	93	9.4		mg/Kg	1	11/23/2020 7:16:06 PM	56557
Motor Oil Range Organics (MRO)	130	47		mg/Kg	1	11/23/2020 7:16:06 PM	56557
Surr: DNOP	99.2	30.4-154		%Rec	1	11/23/2020 7:16:06 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/21/2020 7:18:46 AM	56553
Surr: BFB	91.6	75.3-105		%Rec	1	11/21/2020 7:18:46 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	11/21/2020 7:18:46 AM	56553
Toluene	ND	0.049		mg/Kg	1	11/21/2020 7:18:46 AM	56553
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2020 7:18:46 AM	56553
Xylenes, Total	ND	0.098		mg/Kg	1	11/21/2020 7:18:46 AM	56553
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	11/21/2020 7:18:46 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011967

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V4-14'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:19:00 AM

**Lab ID:** 2011967-006

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	5300	150		mg/Kg	50	11/26/2020 12:59:16 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	160	9.7		mg/Kg	1	11/23/2020 7:39:37 PM	56557
Motor Oil Range Organics (MRO)	440	48		mg/Kg	1	11/23/2020 7:39:37 PM	56557
Surr: DNOP	100	30.4-154		%Rec	1	11/23/2020 7:39:37 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/21/2020 7:42:21 AM	56553
Surr: BFB	88.6	75.3-105		%Rec	1	11/21/2020 7:42:21 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 7:42:21 AM	56553
Toluene	ND	0.049		mg/Kg	1	11/21/2020 7:42:21 AM	56553
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2020 7:42:21 AM	56553
Xylenes, Total	ND	0.098		mg/Kg	1	11/21/2020 7:42:21 AM	56553
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	1	11/21/2020 7:42:21 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011967

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56642</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594085</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-56642</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594087</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

**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 Quantitative 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#: 2011967

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56557</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56557</b>	RunNo: <b>73527</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589786</b>	Units: <b>mg/Kg</b>							
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	8.4		10.00		83.7	30.4	154			

Sample ID: <b>LCS-56557</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56557</b>	RunNo: <b>73527</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589789</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	70	130			
Surr: DNOP	4.2		5.000		84.8	30.4	154			

**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 Quantitative 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#: 2011967

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>ics-56553</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589713</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	72.5	106			
Surr: BFB	1000		1000		101	75.3	105			

Sample ID: <b>mb-56553</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589715</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.4	75.3	105			

**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 Quantitative 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#: 2011967

30-Nov-20

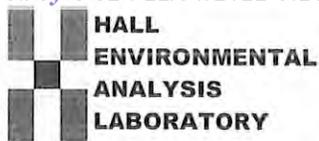
**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>LCS-56553</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589765</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.5	80	120			

Sample ID: <b>mb-56553</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589767</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	1.0		1.000		99.7	80	120			

**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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2011967 RcptNo: 1

Received By: Isaiah Ortiz 11.15.20 0730 to 11.19.20
Completed By: Isaiah Ortiz 11/18/2020 10:30:00 AM
Reviewed By: JR 11/19/20

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: SPA 11.19.20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 30, 2020

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Nix GP Battery

OrderNo.: 2011969

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 7 sample(s) on 11/19/2020 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order 2011969

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-4'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:23:00 AM

**Lab ID:** 2011969-001

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	5500	300		mg/Kg	100	11/26/2020 1:11:41 AM	56642
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>CLP</b>
Diesel Range Organics (DRO)	1000	98		mg/Kg	10	11/20/2020 7:34:21 PM	56557
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	11/20/2020 7:34:21 PM	56557
Surr: DNOP	0	30.4-154	S	%Rec	10	11/20/2020 7:34:21 PM	56557
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2020 8:05:52 AM	56553
Surr: BFB	89.1	75.3-105		%Rec	1	11/21/2020 8:05:52 AM	56553
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 8:05:52 AM	56553
Toluene	ND	0.048		mg/Kg	1	11/21/2020 8:05:52 AM	56553
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2020 8:05:52 AM	56553
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2020 8:05:52 AM	56553
Surr: 4-Bromofluorobenzene	94.7	80-120		%Rec	1	11/21/2020 8:05:52 AM	56553

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2011969**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-6'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:25:00 AM

**Lab ID:** 2011969-002

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	1700	59		mg/Kg	20	11/24/2020 9:53:01 PM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/20/2020 7:50:11 PM	56561
Surr: BFB	105	70-130		%Rec	1	11/20/2020 7:50:11 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	1600	170		mg/Kg	20	11/23/2020 10:49:35 AM	56562
Motor Oil Range Organics (MRO)	2500	860		mg/Kg	20	11/23/2020 10:49:35 AM	56562
Surr: DNOP	0	30.4-154	S	%Rec	20	11/23/2020 10:49:35 AM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.024		mg/Kg	1	11/20/2020 7:50:11 PM	56561
Toluene	ND	0.048		mg/Kg	1	11/20/2020 7:50:11 PM	56561
Ethylbenzene	ND	0.048		mg/Kg	1	11/20/2020 7:50:11 PM	56561
Xylenes, Total	ND	0.097		mg/Kg	1	11/20/2020 7:50:11 PM	56561
Surr: 1,2-Dichloroethane-d4	96.6	70-130		%Rec	1	11/20/2020 7:50:11 PM	56561
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	11/20/2020 7:50:11 PM	56561
Surr: Dibromofluoromethane	103	70-130		%Rec	1	11/20/2020 7:50:11 PM	56561
Surr: Toluene-d8	93.6	70-130		%Rec	1	11/20/2020 7:50:11 PM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011969

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-8'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:27:00 AM

**Lab ID:** 2011969-003

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3100	150		mg/Kg	50	11/26/2020 1:48:54 AM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	64	9.4		mg/Kg	2	11/21/2020 6:27:34 PM	56561
Surr: BFB	112	70-130		%Rec	2	11/21/2020 6:27:34 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2800	160		mg/Kg	20	11/23/2020 11:13:27 AM	56562
Motor Oil Range Organics (MRO)	3000	790		mg/Kg	20	11/23/2020 11:13:27 AM	56562
Surr: DNOP	0	30.4-154	S	%Rec	20	11/23/2020 11:13:27 AM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.047		mg/Kg	2	11/21/2020 6:27:34 PM	56561
Toluene	ND	0.094		mg/Kg	2	11/21/2020 6:27:34 PM	56561
Ethylbenzene	0.15	0.094		mg/Kg	2	11/21/2020 6:27:34 PM	56561
Xylenes, Total	ND	0.19		mg/Kg	2	11/21/2020 6:27:34 PM	56561
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	2	11/21/2020 6:27:34 PM	56561
Surr: 4-Bromofluorobenzene	67.9	70-130	S	%Rec	2	11/21/2020 6:27:34 PM	56561
Surr: Dibromofluoromethane	107	70-130		%Rec	2	11/21/2020 6:27:34 PM	56561
Surr: Toluene-d8	94.7	70-130		%Rec	2	11/21/2020 6:27:34 PM	56561

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

**Analytical Report**

Lab Order 2011969

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-10'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:29:00 AM

**Lab ID:** 2011969-004

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2600	150		mg/Kg	50	11/26/2020 2:01:19 AM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	46	24		mg/Kg	5	11/21/2020 7:52:51 PM	56561
Surr: BFB	104	70-130		%Rec	5	11/21/2020 7:52:51 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2400	190		mg/Kg	20	11/23/2020 11:37:53 AM	56562
Motor Oil Range Organics (MRO)	2900	950		mg/Kg	20	11/23/2020 11:37:53 AM	56562
Surr: DNOP	0	30.4-154	S	%Rec	20	11/23/2020 11:37:53 AM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.12		mg/Kg	5	11/21/2020 7:52:51 PM	56561
Toluene	ND	0.24		mg/Kg	5	11/21/2020 7:52:51 PM	56561
Ethylbenzene	0.38	0.24		mg/Kg	5	11/21/2020 7:52:51 PM	56561
Xylenes, Total	ND	0.48		mg/Kg	5	11/21/2020 7:52:51 PM	56561
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	5	11/21/2020 7:52:51 PM	56561
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	5	11/21/2020 7:52:51 PM	56561
Surr: Dibromofluoromethane	107	70-130		%Rec	5	11/21/2020 7:52:51 PM	56561
Surr: Toluene-d8	92.2	70-130		%Rec	5	11/21/2020 7:52:51 PM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order 2011969

Date Reported: 11/30/2020

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-12'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:31:00 AM

**Lab ID:** 2011969-005

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	59		mg/Kg	20	11/24/2020 10:30:15 PM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	53	23		mg/Kg	5	11/21/2020 8:21:08 PM	56561
Surr: BFB	103	70-130		%Rec	5	11/21/2020 8:21:08 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	2500	160		mg/Kg	20	11/23/2020 12:01:56 PM	56562
Motor Oil Range Organics (MRO)	2700	810		mg/Kg	20	11/23/2020 12:01:56 PM	56562
Surr: DNOP	0	30.4-154	S	%Rec	20	11/23/2020 12:01:56 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.12		mg/Kg	5	11/21/2020 8:21:08 PM	56561
Toluene	ND	0.23		mg/Kg	5	11/21/2020 8:21:08 PM	56561
Ethylbenzene	0.73	0.23		mg/Kg	5	11/21/2020 8:21:08 PM	56561
Xylenes, Total	ND	0.47		mg/Kg	5	11/21/2020 8:21:08 PM	56561
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	5	11/21/2020 8:21:08 PM	56561
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	5	11/21/2020 8:21:08 PM	56561
Surr: Dibromofluoromethane	105	70-130		%Rec	5	11/21/2020 8:21:08 PM	56561
Surr: Toluene-d8	94.1	70-130		%Rec	5	11/21/2020 8:21:08 PM	56561

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

**Analytical Report**

Lab Order **2011969**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-14'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:33:00 AM

**Lab ID:** 2011969-006

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3100	150		mg/Kg	50	11/26/2020 2:13:44 AM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	6.8	4.9		mg/Kg	1	11/21/2020 8:49:27 PM	56561
Surr: BFB	108	70-130		%Rec	1	11/21/2020 8:49:27 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	180	9.4		mg/Kg	1	11/23/2020 12:25:57 PM	56562
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	11/23/2020 12:25:57 PM	56562
Surr: DNOP	125	30.4-154		%Rec	1	11/23/2020 12:25:57 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 8:49:27 PM	56561
Toluene	ND	0.049		mg/Kg	1	11/21/2020 8:49:27 PM	56561
Ethylbenzene	0.13	0.049		mg/Kg	1	11/21/2020 8:49:27 PM	56561
Xylenes, Total	ND	0.097		mg/Kg	1	11/21/2020 8:49:27 PM	56561
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	11/21/2020 8:49:27 PM	56561
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	11/21/2020 8:49:27 PM	56561
Surr: Dibromofluoromethane	109	70-130		%Rec	1	11/21/2020 8:49:27 PM	56561
Surr: Toluene-d8	90.8	70-130		%Rec	1	11/21/2020 8:49:27 PM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2011969**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V5-16'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 8:39:00 AM

**Lab ID:** 2011969-007

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2300	59		mg/Kg	20	11/24/2020 10:55:05 PM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	27	5.0		mg/Kg	1	11/21/2020 9:17:54 PM	56561
Surr: BFB	110	70-130		%Rec	1	11/21/2020 9:17:54 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	540	9.1		mg/Kg	1	11/23/2020 1:14:02 PM	56562
Motor Oil Range Organics (MRO)	400	45		mg/Kg	1	11/23/2020 1:14:02 PM	56562
Surr: DNOP	123	30.4-154		%Rec	1	11/23/2020 1:14:02 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.025		mg/Kg	1	11/21/2020 9:17:54 PM	56561
Toluene	ND	0.050		mg/Kg	1	11/21/2020 9:17:54 PM	56561
Ethylbenzene	0.47	0.050		mg/Kg	1	11/21/2020 9:17:54 PM	56561
Xylenes, Total	ND	0.099		mg/Kg	1	11/21/2020 9:17:54 PM	56561
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	11/21/2020 9:17:54 PM	56561
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	11/21/2020 9:17:54 PM	56561
Surr: Dibromofluoromethane	106	70-130		%Rec	1	11/21/2020 9:17:54 PM	56561
Surr: Toluene-d8	96.0	70-130		%Rec	1	11/21/2020 9:17:54 PM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56642</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594085</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-56642</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594087</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

**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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56557</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56557</b>	RunNo: <b>73527</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589786</b>			Units: <b>mg/Kg</b>					
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	8.4		10.00		83.7	30.4	154			

Sample ID: <b>LCS-56557</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56557</b>	RunNo: <b>73527</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589789</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	70	130			
Surr: DNOP	4.2		5.000		84.8	30.4	154			

Sample ID: <b>MB-56562</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56562</b>	RunNo: <b>73553</b>								
Prep Date: <b>11/20/2020</b>	Analysis Date: <b>11/23/2020</b>	SeqNo: <b>2591130</b>			Units: <b>mg/Kg</b>					
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		107	30.4	154			

Sample ID: <b>LCS-56562</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56562</b>	RunNo: <b>73553</b>								
Prep Date: <b>11/20/2020</b>	Analysis Date: <b>11/23/2020</b>	SeqNo: <b>2591131</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	70	130			
Surr: DNOP	5.2		5.000		104	30.4	154			

**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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>ics-56553</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589713</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	72.5	106			
Surr: BFB	1000		1000		101	75.3	105			

Sample ID: <b>mb-56553</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589715</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.4	75.3	105			

**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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>LCS-56553</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589765</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.5	80	120			

Sample ID: <b>mb-56553</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56553</b>	RunNo: <b>73525</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589767</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	1.0		1.000		99.7	80	120			

**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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-56561</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589540</b>	Units: <b>mg/Kg</b>							
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	0.51		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.48		0.5000		96.7	70	130			

Sample ID: <b>ics-56561</b>	SampType: <b>LCS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589541</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	111	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.8	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	70	130			

Sample ID: <b>2011969-003ams</b>	SampType: <b>MS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>V5-8'</b>	Batch ID: <b>56561</b>	RunNo: <b>73537</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/21/2020</b>	SeqNo: <b>2590282</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.047	0.9328	0	105	71.1	115			
Toluene	0.94	0.093	0.9328	0	101	79.6	132			
Ethylbenzene	1.0	0.093	0.9328	0	112	83.8	134			
Xylenes, Total	3.2	0.19	2.799	0	113	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.96		0.9328		103	70	130			
Surr: 4-Bromofluorobenzene	0.62		0.9328		66.7	70	130			S
Surr: Dibromofluoromethane	1.0		0.9328		107	70	130			
Surr: Toluene-d8	0.85		0.9328		91.2	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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>2011969-003amsd</b>	SampType: <b>MSD4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>V5-8'</b>	Batch ID: <b>56561</b>	RunNo: <b>73537</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/21/2020</b>	SeqNo: <b>2590283</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.048	0.9625	0	109	71.1	115	7.03	20	
Toluene	0.98	0.096	0.9625	0	102	79.6	132	4.02	20	
Ethylbenzene	1.1	0.096	0.9625	0	116	83.8	134	7.03	20	
Xylenes, Total	3.4	0.19	2.887	0	119	82.4	132	8.20	20	
Surr: 1,2-Dichloroethane-d4	1.0		0.9625		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.64		0.9625		66.7	70	130	0	0	S
Surr: Dibromofluoromethane	1.0		0.9625		109	70	130	0	0	
Surr: Toluene-d8	0.86		0.9625		89.1	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 Quantitative 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#: 2011969

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-56561</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589567</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		103	70	130			

Sample ID: <b>lcs-56561</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589568</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.2	70	130			
Surr: BFB	490		500.0		98.9	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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2011969 RcptNo: 1

Received By: Isaiah Ortiz 11/19/2020 7:30:00 AM

IOX

Completed By: Isaiah Ortiz 11/19/2020 8:53:53 AM

IOX

Reviewed By: JR 11/19/20

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: SPA 11.19.20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_
By Whom: \_\_\_\_\_ Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding: \_\_\_\_\_
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

### Chain-of-Custody Record

Client: EOG Resources, Inc  
 Mailing Address: On File  
 Phone #:

Turn-Around Time: 5 Day  
 Standard  Rush  
 Project Name:  
Nix CP Battery  
 Project #:

Project Manager:  
Chase Settle  
 Sampler: Chase Settle  
 On Ice:  Yes  No  
 # of Coolers: 2 (2 ± 0)  
 Cooler Temp (including CP): 0.8 ± 0 (°C)

Project Manager:  
Chase Settle  
 Sampler: Chase Settle  
 On Ice:  Yes  No  
 # of Coolers: 2 (2 ± 0)  
 Cooler Temp (including CP): 0.8 ± 0 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
11-12-20	8:23 A	Soil	V5-4'	4oz 01/1	ICE	2011969 001
	8:25 A		V5-6'			002
	8:27 A		V5-8'			003
	8:29 A		V5-10'			004
	8:31 A		V5-12'			005
	8:33 A		V5-14'			006
	8:39 A		V5-16'			007

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
11-18-20	10:30 A					
11-18-20	9:00					



HALL ENVIRONMENTAL  
 ANALYSIS LABORATORY  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTX / MTBE / TMB's (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>-</sup> , SO <sub>4</sub> <sup>-</sup>	X
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks:  
B31/1



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

November 30, 2020

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Nix GP Battery

OrderNo.: 2011970

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/19/2020 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-4'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:02:00 AM

**Lab ID:** 2011970-001

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	3000	150		mg/Kg	50	11/26/2020 2:26:09 AM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/21/2020 1:32:30 AM	56561
Surr: BFB	106	70-130		%Rec	1	11/21/2020 1:32:30 AM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	120	9.0		mg/Kg	1	11/23/2020 2:50:13 PM	56562
Motor Oil Range Organics (MRO)	260	45		mg/Kg	1	11/23/2020 2:50:13 PM	56562
Surr: DNOP	104	30.4-154		%Rec	1	11/23/2020 2:50:13 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.025		mg/Kg	1	11/21/2020 1:32:30 AM	56561
Toluene	ND	0.050		mg/Kg	1	11/21/2020 1:32:30 AM	56561
Ethylbenzene	ND	0.050		mg/Kg	1	11/21/2020 1:32:30 AM	56561
Xylenes, Total	ND	0.099		mg/Kg	1	11/21/2020 1:32:30 AM	56561
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	11/21/2020 1:32:30 AM	56561
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	11/21/2020 1:32:30 AM	56561
Surr: Dibromofluoromethane	112	70-130		%Rec	1	11/21/2020 1:32:30 AM	56561
Surr: Toluene-d8	100	70-130		%Rec	1	11/21/2020 1:32:30 AM	56561

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-6'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:04:00 AM

**Lab ID:** 2011970-002

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	730	60		mg/Kg	20	11/24/2020 11:44:43 PM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2020 2:00:58 AM	56561
Surr: BFB	105	70-130		%Rec	1	11/21/2020 2:00:58 AM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	290	83		mg/Kg	10	11/23/2020 2:02:06 PM	56562
Motor Oil Range Organics (MRO)	770	420		mg/Kg	10	11/23/2020 2:02:06 PM	56562
Surr: DNOP	0	30.4-154	S	%Rec	10	11/23/2020 2:02:06 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.024		mg/Kg	1	11/21/2020 2:00:58 AM	56561
Toluene	ND	0.048		mg/Kg	1	11/21/2020 2:00:58 AM	56561
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2020 2:00:58 AM	56561
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2020 2:00:58 AM	56561
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	11/21/2020 2:00:58 AM	56561
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	11/21/2020 2:00:58 AM	56561
Surr: Dibromofluoromethane	108	70-130		%Rec	1	11/21/2020 2:00:58 AM	56561
Surr: Toluene-d8	94.4	70-130		%Rec	1	11/21/2020 2:00:58 AM	56561

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-8'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:06:00 AM

**Lab ID:** 2011970-003

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2000	61		mg/Kg	20	11/24/2020 11:57:08 PM	56642
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	10	5.0		mg/Kg	1	11/21/2020 9:46:21 PM	56561
Surr: BFB	107	70-130		%Rec	1	11/21/2020 9:46:21 PM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	610	96		mg/Kg	10	11/23/2020 3:14:21 PM	56562
Motor Oil Range Organics (MRO)	1100	480		mg/Kg	10	11/23/2020 3:14:21 PM	56562
Surr: DNOP	0	30.4-154	S	%Rec	10	11/23/2020 3:14:21 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.025		mg/Kg	1	11/21/2020 9:46:21 PM	56561
Toluene	ND	0.050		mg/Kg	1	11/21/2020 9:46:21 PM	56561
Ethylbenzene	ND	0.050		mg/Kg	1	11/21/2020 9:46:21 PM	56561
Xylenes, Total	ND	0.10		mg/Kg	1	11/21/2020 9:46:21 PM	56561
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	11/21/2020 9:46:21 PM	56561
Surr: 4-Bromofluorobenzene	72.4	70-130		%Rec	1	11/21/2020 9:46:21 PM	56561
Surr: Dibromofluoromethane	105	70-130		%Rec	1	11/21/2020 9:46:21 PM	56561
Surr: Toluene-d8	92.5	70-130		%Rec	1	11/21/2020 9:46:21 PM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-10'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:08:00 AM

**Lab ID:** 2011970-004

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	2100	60		mg/Kg	20	11/25/2020 12:34:21 AM	56560
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	35	9.7		mg/Kg	2	11/22/2020 12:08:25 AM	56561
Surr: BFB	105	70-130		%Rec	2	11/22/2020 12:08:25 AM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	1500	170		mg/Kg	20	11/23/2020 3:38:33 PM	56562
Motor Oil Range Organics (MRO)	2000	870		mg/Kg	20	11/23/2020 3:38:33 PM	56562
Surr: DNOP	0	30.4-154	S	%Rec	20	11/23/2020 3:38:33 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.049		mg/Kg	2	11/22/2020 12:08:25 AM	56561
Toluene	ND	0.097		mg/Kg	2	11/22/2020 12:08:25 AM	56561
Ethylbenzene	0.11	0.097		mg/Kg	2	11/22/2020 12:08:25 AM	56561
Xylenes, Total	ND	0.19		mg/Kg	2	11/22/2020 12:08:25 AM	56561
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	2	11/22/2020 12:08:25 AM	56561
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	2	11/22/2020 12:08:25 AM	56561
Surr: Dibromofluoromethane	103	70-130		%Rec	2	11/22/2020 12:08:25 AM	56561
Surr: Toluene-d8	91.8	70-130		%Rec	2	11/22/2020 12:08:25 AM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-12'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:10:00 AM

**Lab ID:** 2011970-005

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2800	150		mg/Kg	50	11/26/2020 2:38:33 AM	56650
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	34	9.6		mg/Kg	2	11/22/2020 12:36:53 AM	56561
Surr: BFB	112	70-130		%Rec	2	11/22/2020 12:36:53 AM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	800	85		mg/Kg	10	11/23/2020 4:02:41 PM	56562
Motor Oil Range Organics (MRO)	940	420		mg/Kg	10	11/23/2020 4:02:41 PM	56562
Surr: DNOP	0	30.4-154	S	%Rec	10	11/23/2020 4:02:41 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.048		mg/Kg	2	11/22/2020 12:36:53 AM	56561
Toluene	ND	0.096		mg/Kg	2	11/22/2020 12:36:53 AM	56561
Ethylbenzene	0.12	0.096		mg/Kg	2	11/22/2020 12:36:53 AM	56561
Xylenes, Total	ND	0.19		mg/Kg	2	11/22/2020 12:36:53 AM	56561
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	2	11/22/2020 12:36:53 AM	56561
Surr: 4-Bromofluorobenzene	71.8	70-130		%Rec	2	11/22/2020 12:36:53 AM	56561
Surr: Dibromofluoromethane	108	70-130		%Rec	2	11/22/2020 12:36:53 AM	56561
Surr: Toluene-d8	96.2	70-130		%Rec	2	11/22/2020 12:36:53 AM	56561

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2011970**

Date Reported: **11/30/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6-14'

**Project:** Nix GP Battery

**Collection Date:** 11/12/2020 11:12:00 AM

**Lab ID:** 2011970-006

**Matrix:** SOIL

**Received Date:** 11/19/2020 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	900	60		mg/Kg	20	11/25/2020 12:59:11 AM	56560
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>DJF</b>
Gasoline Range Organics (GRO)	33	9.4		mg/Kg	2	11/22/2020 1:05:18 AM	56561
Surr: BFB	106	70-130		%Rec	2	11/22/2020 1:05:18 AM	56561
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	310	9.5		mg/Kg	1	11/23/2020 4:26:55 PM	56562
Motor Oil Range Organics (MRO)	270	48		mg/Kg	1	11/23/2020 4:26:55 PM	56562
Surr: DNOP	123	30.4-154		%Rec	1	11/23/2020 4:26:55 PM	56562
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>DJF</b>
Benzene	ND	0.047		mg/Kg	2	11/22/2020 1:05:18 AM	56561
Toluene	ND	0.094		mg/Kg	2	11/22/2020 1:05:18 AM	56561
Ethylbenzene	ND	0.094		mg/Kg	2	11/22/2020 1:05:18 AM	56561
Xylenes, Total	ND	0.19		mg/Kg	2	11/22/2020 1:05:18 AM	56561
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	2	11/22/2020 1:05:18 AM	56561
Surr: 4-Bromofluorobenzene	66.6	70-130	S	%Rec	2	11/22/2020 1:05:18 AM	56561
Surr: Dibromofluoromethane	104	70-130		%Rec	2	11/22/2020 1:05:18 AM	56561
Surr: Toluene-d8	92.5	70-130		%Rec	2	11/22/2020 1:05:18 AM	56561

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

<b>Qualifiers:</b>	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix	

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011970

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56642</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594085</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-56642</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56642</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/24/2020</b>	SeqNo: <b>2594087</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

Sample ID: <b>MB-56650</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56650</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/25/2020</b>	SeqNo: <b>2594136</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-56650</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56650</b>	RunNo: <b>73617</b>								
Prep Date: <b>11/24/2020</b>	Analysis Date: <b>11/25/2020</b>	SeqNo: <b>2594137</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

**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 Quantitative 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#: 2011970

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-56562</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56562</b>	RunNo: <b>73553</b>								
Prep Date: <b>11/20/2020</b>	Analysis Date: <b>11/23/2020</b>	SeqNo: <b>2591130</b>	Units: <b>mg/Kg</b>							
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		107	30.4	154			

Sample ID: <b>LCS-56562</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56562</b>	RunNo: <b>73553</b>								
Prep Date: <b>11/20/2020</b>	Analysis Date: <b>11/23/2020</b>	SeqNo: <b>2591131</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.0	70	130			
Surr: DNOP	5.2		5.000		104	30.4	154			

**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 Quantitative 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#: 2011970

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-56561</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589540</b>	Units: <b>mg/Kg</b>							
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	0.51		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.48		0.5000		96.7	70	130			

Sample ID: <b>ics-56561</b>	SampType: <b>LCS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589541</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	111	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.8	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	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 Quantitative 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#: 2011970

30-Nov-20

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>mb-56561</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589567</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		103	70	130			

Sample ID: <b>lcs-56561</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>56561</b>	RunNo: <b>73524</b>								
Prep Date: <b>11/19/2020</b>	Analysis Date: <b>11/20/2020</b>	SeqNo: <b>2589568</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.2	70	130			
Surr: BFB	490		500.0		98.9	70	130			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                  |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit                        | RL Reporting Limit                                |
| S % Recovery outside of range due to dilution or matrix |   |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2011970 RcptNo: 1

Received By: Isaiah Ortiz 11/19/2020 7:30:00 AM
Completed By: Isaiah Ortiz 11/19/2020 9:12:02 AM
Reviewed By: YR 11/19/20

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >=12 unless noted)
Adjusted?
Checked by: SPA 11.19.20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

### Chain-of-Custody Record

Client: EOG Resources, Inc

Mailing Address: On File

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day

Standard  Rush

Project Name: Nix CP Battery

Project #: \_\_\_\_\_

Project Manager: Chase Settle

Sampler: Chase Settle

On Ice:  Yes  No

# of Coolers: 1 (2.5 ± 0)

Cooler Temp (including CF): 0.8 ± 0 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11-12-20	11:02 A	Soil	Y6-4'	4rec/1	ICE	2011970 001
	11:04 A		Y6-6'			002
	11:06 A		Y6-8'			003
	11:08 A		Y6-10'			004
	11:10 A		Y6-12'			005
	11:12 A		Y6-14'			006

Relinquished by: [Signature] Date: 11-18-20 Time: 10:30

Relinquished by: [Signature] Date: 11-18-20 Time: 1900

Received by: [Signature] Via: COVIA Date: 11/19/20 Time: 0730



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

#### Analysis Request

BTEX / MTBE / TMB's (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl <sup>-</sup> , Br <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , PO <sub>4</sub> <sup>-</sup> , SO <sub>4</sub> <sup>-</sup>	X
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks:

B1/1



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [clients.hallenvironmental.com](http://clients.hallenvironmental.com)

April 26, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Nix GP Battery

OrderNo.: 2104809

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/17/2021 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](http://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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-4'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:14:00 AM

**Lab ID:** 2104809-001

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	4300	150		mg/Kg	50	4/21/2021 7:33:05 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	810	100		mg/Kg	10	4/20/2021 9:04:58 PM	59495
Motor Oil Range Organics (MRO)	620	500		mg/Kg	10	4/20/2021 9:04:58 PM	59495
Surr: DNOP	0	70-130	S	%Rec	10	4/20/2021 9:04:58 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/20/2021 7:32:00 PM	59493
Surr: BFB	95.8	70-130		%Rec	1	4/20/2021 7:32:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	4/20/2021 7:32:00 PM	59493
Toluene	ND	0.050		mg/Kg	1	4/20/2021 7:32:00 PM	59493
Ethylbenzene	ND	0.050		mg/Kg	1	4/20/2021 7:32:00 PM	59493
Xylenes, Total	ND	0.099		mg/Kg	1	4/20/2021 7:32:00 PM	59493
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	4/20/2021 7:32:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-6'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:17:00 AM

**Lab ID:** 2104809-002

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	150		mg/Kg	50	4/22/2021 5:57:18 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	350	9.9		mg/Kg	1	4/21/2021 12:19:01 PM	59495
Motor Oil Range Organics (MRO)	380	49		mg/Kg	1	4/21/2021 12:19:01 PM	59495
Surr: DNOP	99.0	70-130		%Rec	1	4/21/2021 12:19:01 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/20/2021 7:52:00 PM	59493
Surr: BFB	100	70-130		%Rec	1	4/20/2021 7:52:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	4/20/2021 7:52:00 PM	59493
Toluene	ND	0.046		mg/Kg	1	4/20/2021 7:52:00 PM	59493
Ethylbenzene	ND	0.046		mg/Kg	1	4/20/2021 7:52:00 PM	59493
Xylenes, Total	ND	0.092		mg/Kg	1	4/20/2021 7:52:00 PM	59493
Surr: 4-Bromofluorobenzene	79.2	70-130		%Rec	1	4/20/2021 7:52:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-8'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:21:00 AM

**Lab ID:** 2104809-003

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2100	60		mg/Kg	20	4/20/2021 10:03:55 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	340	9.4		mg/Kg	1	4/21/2021 12:47:52 PM	59495
Motor Oil Range Organics (MRO)	380	47		mg/Kg	1	4/21/2021 12:47:52 PM	59495
Surr: DNOP	94.8	70-130		%Rec	1	4/21/2021 12:47:52 PM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 8:12:00 PM	59493
Surr: BFB	105	70-130		%Rec	1	4/20/2021 8:12:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 8:12:00 PM	59493
Toluene	ND	0.048		mg/Kg	1	4/20/2021 8:12:00 PM	59493
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 8:12:00 PM	59493
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2021 8:12:00 PM	59493
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	4/20/2021 8:12:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-10'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:25:00 AM

**Lab ID:** 2104809-004

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1900	60		mg/Kg	20	4/20/2021 10:16:19 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	280	9.3		mg/Kg	1	4/21/2021 11:59:51 AM	59495
Motor Oil Range Organics (MRO)	270	46		mg/Kg	1	4/21/2021 11:59:51 AM	59495
Surr: DNOP	91.8	70-130		%Rec	1	4/21/2021 11:59:51 AM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 8:32:00 PM	59493
Surr: BFB	118	70-130		%Rec	1	4/20/2021 8:32:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 8:32:00 PM	59493
Toluene	ND	0.048		mg/Kg	1	4/20/2021 8:32:00 PM	59493
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 8:32:00 PM	59493
Xylenes, Total	ND	0.096		mg/Kg	1	4/20/2021 8:32:00 PM	59493
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	4/20/2021 8:32:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-12'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:29:00 AM

**Lab ID:** 2104809-005

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2300	59		mg/Kg	20	4/20/2021 10:53:32 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	180	9.3		mg/Kg	1	4/21/2021 11:40:51 AM	59495
Motor Oil Range Organics (MRO)	220	47		mg/Kg	1	4/21/2021 11:40:51 AM	59495
Surr: DNOP	103	70-130		%Rec	1	4/21/2021 11:40:51 AM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/20/2021 9:51:00 PM	59493
Surr: BFB	97.4	70-130		%Rec	1	4/20/2021 9:51:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 9:51:00 PM	59493
Toluene	ND	0.047		mg/Kg	1	4/20/2021 9:51:00 PM	59493
Ethylbenzene	ND	0.047		mg/Kg	1	4/20/2021 9:51:00 PM	59493
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2021 9:51:00 PM	59493
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	4/20/2021 9:51:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2104809**

Date Reported: **4/26/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** V6C-14'

**Project:** Nix GP Battery

**Collection Date:** 4/15/2021 9:32:00 AM

**Lab ID:** 2104809-006

**Matrix:** SOIL

**Received Date:** 4/17/2021 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2000	150		mg/Kg	50	4/22/2021 6:09:42 PM	59515
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>mb</b>
Diesel Range Organics (DRO)	250	9.8		mg/Kg	1	4/21/2021 11:03:32 AM	59495
Motor Oil Range Organics (MRO)	220	49		mg/Kg	1	4/21/2021 11:03:32 AM	59495
Surr: DNOP	95.6	70-130		%Rec	1	4/21/2021 11:03:32 AM	59495
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/20/2021 10:11:00 PM	59493
Surr: BFB	99.5	70-130		%Rec	1	4/20/2021 10:11:00 PM	59493
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	4/20/2021 10:11:00 PM	59493
Toluene	ND	0.048		mg/Kg	1	4/20/2021 10:11:00 PM	59493
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2021 10:11:00 PM	59493
Xylenes, Total	ND	0.095		mg/Kg	1	4/20/2021 10:11:00 PM	59493
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	4/20/2021 10:11:00 PM	59493

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104809

26-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-59515</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59515</b>	RunNo: <b>76784</b>								
Prep Date: <b>4/20/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722972</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-59515</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59515</b>	RunNo: <b>76784</b>								
Prep Date: <b>4/20/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722973</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

**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 Quantitative 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#: 2104809

26-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>MB-59495</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59495</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722808</b>	Units: <b>mg/Kg</b>							
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	8.7		10.00		87.4	70	130			

Sample ID: <b>LCS-59495</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59495</b>	RunNo: <b>76810</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2722809</b>	Units: <b>mg/Kg</b>							
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	141			
Surr: DNOP	5.0		5.000		100	70	130			

**Qualifiers:**

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                  |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit                        | RL Reporting Limit                                |
| S % Recovery outside of range due to dilution or matrix |   |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104809

26-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>LCS-59493</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723303</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>MB-59493</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723304</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	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 Quantitative 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#: 2104809

26-Apr-21

**Client:** EOG  
**Project:** Nix GP Battery

Sample ID: <b>LCS-59493</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723323</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.6	80	120			
Toluene	0.83	0.050	1.000	0	83.0	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.2	80	120			
Xylenes, Total	2.5	0.10	3.000	0	83.7	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.9	70	130			

Sample ID: <b>MB-59493</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>59493</b>	RunNo: <b>76833</b>								
Prep Date: <b>4/19/2021</b>	Analysis Date: <b>4/20/2021</b>	SeqNo: <b>2723324</b>	Units: <b>mg/Kg</b>							
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-Bromofluorobenzene	0.83		1.000		83.2	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 Quantitative 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



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2104809 RcptNo: 1

Received By: Cheyenne Cason 4/17/2021 8:40:00 AM
Completed By: Cheyenne Cason 4/17/2021 9:26:42 AM
Reviewed By: [Signature] 04/17/2021

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 4/17/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.9, Good, [ ], [ ], [ ]

### Chain-of-Custody Record

Client: EOG Resources, Inc.

Mailing Address: On File

Phone #: \_\_\_\_\_

email or Fax#: \_\_\_\_\_

QA/QC Package:  
 Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  
 NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 Day  
 Standard  Rush

Project Name: Nix GP Battery

Project #: \_\_\_\_\_

Project Manager: Chase Settle

Sampler: Chase Settle  
 On Ice:  Yes  No

# of Coolers: \_\_\_\_\_  
 Cooler Temp (including c/F): 0.9 ± 0.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
4-15-21	9:14	Soil	V6C-4'	4oz Gals/1	Ice	2104809
	9:17		V6C-6'			002
	9:21		V6C-8'			003
	9:25		V6C-10'			004
	9:29		V6C-12'			005
	9:32		V6C-14'			006



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

BTX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(C) F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
X	X					X			

Remarks:

Relinquished by: [Signature] Date: 4-16-21 Time: 8:00a  
 Relinquished by: [Signature] Date: 4/16/21 Time: 0840



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 27, 2022

BEAUX JENNINGS  
ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND, TX 79705

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/07/22 13:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: NIX GP BATTERY Project Number: 03C2012012 Project Manager: BEAUX JENNINGS Fax To:	Reported: 27-Dec-22 16:37
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 01 0'-4'	H225752-01	Soil	05-Dec-22 15:00	07-Dec-22 13:56
SW 02 4'-15'	H225752-02	Soil	05-Dec-22 15:10	07-Dec-22 13:56

12/27/22 - Client changed the sample ID on -02 (see COC). This is the revised report and replaces the one sent on 12/08/22.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: NIX GP BATTERY Project Number: 03C2012012 Project Manager: BEAUX JENNINGS Fax To:	Reported: 27-Dec-22 16:37
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**SW 01 0'-4'  
H225752-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories**

**Inorganic Compounds**

<b>Chloride</b>	<b>3160</b>		16.0	mg/kg	4	2120823	GM	08-Dec-22	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

**S-04**

Benzene*	<0.050		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC
Ethylbenzene*	<b>0.619</b>		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	
<b>Total Xylenes*</b>	<b>0.300</b>		0.150	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC1
<b>Total BTEX</b>	<b>0.947</b>		0.300	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)			149 %	69.9-140		2120728	JH/	08-Dec-22	8021B	
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**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>11.2</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>384</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>81.7</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	

Surrogate: 1-Chlorooctane			82.7 %	45.3-161		2120730	MS	08-Dec-22	8015B	
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Surrogate: 1-Chlorooctadecane			98.0 %	46.3-178		2120730	MS	08-Dec-22	8015B	
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**Analytical Results For:**

ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND TX, 79705

Project: NIX GP BATTERY  
Project Number: 03C2012012  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
27-Dec-22 16:37

**SW 02 4'-15'**  
**H225752-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3880</b>		16.0	mg/kg	4	2120823	GM	08-Dec-22	4500-CI-B	
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**Volatile Organic Compounds by EPA Method 8021****S-04**

Benzene*	<0.050		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC
Ethylbenzene*	<b>0.151</b>		0.050	mg/kg	50	2120728	JH/	08-Dec-22	8021B	
<b>Total Xylenes*</b>	<b>0.734</b>		0.150	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC1
<b>Total BTEX</b>	<b>0.886</b>		0.300	mg/kg	50	2120728	JH/	08-Dec-22	8021B	GC-NC1
<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			<i>158 %</i>	<i>69.9-140</i>		<i>2120728</i>	<i>JH/</i>	<i>08-Dec-22</i>	<i>8021B</i>	

**Petroleum Hydrocarbons by GC FID**

<b>GRO C6-C10*</b>	<b>92.0</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	
<b>DRO &gt;C10-C28*</b>	<b>2270</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>504</b>		10.0	mg/kg	1	2120730	MS	08-Dec-22	8015B	
<i>Surrogate: 1-Chlorooctane</i>			<i>104 %</i>	<i>45.3-161</i>		<i>2120730</i>	<i>MS</i>	<i>08-Dec-22</i>	<i>8015B</i>	
<i>Surrogate: 1-Chlorooctadecane</i>			<i>138 %</i>	<i>46.3-178</i>		<i>2120730</i>	<i>MS</i>	<i>08-Dec-22</i>	<i>8015B</i>	

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: NIX GP BATTERY Project Number: 03C2012012 Project Manager: BEAUX JENNINGS Fax To:	Reported: 27-Dec-22 16:37
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**Inorganic Compounds - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2120823 - 1:4 DI Water</b>										
<b>Blank (2120823-BLK1)</b>										
Prepared & Analyzed: 08-Dec-22										
Chloride	ND	16.0	mg/kg							
<b>LCS (2120823-BS1)</b>										
Prepared & Analyzed: 08-Dec-22										
Chloride	400	16.0	mg/kg	400		100	80-120			
<b>LCS Dup (2120823-BSD1)</b>										
Prepared & Analyzed: 08-Dec-22										
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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**Analytical Results For:**

ENSOLUM, LLC  
705 W WADLEY AVE.  
MIDLAND TX, 79705

Project: NIX GP BATTERY  
Project Number: 03C2012012  
Project Manager: BEAUX JENNINGS  
Fax To:

Reported:  
27-Dec-22 16:37

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2120728 - Volatiles****Blank (2120728-BLK1)**

Prepared &amp; Analyzed: 07-Dec-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0550		mg/kg	0.0500		110	69.9-140			

**LCS (2120728-BS1)**

Prepared &amp; Analyzed: 07-Dec-22

Benzene	1.85	0.050	mg/kg	2.00		92.5	83.4-122			
Toluene	1.83	0.050	mg/kg	2.00		91.7	84.2-126			
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.3	84.2-121			
m,p-Xylene	3.83	0.100	mg/kg	4.00		95.8	89.9-126			
o-Xylene	1.78	0.050	mg/kg	2.00		88.8	84.3-123			
Total Xylenes	5.61	0.150	mg/kg	6.00		93.4	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	69.9-140			

**LCS Dup (2120728-BSD1)**

Prepared &amp; Analyzed: 07-Dec-22

Benzene	2.11	0.050	mg/kg	2.00		106	83.4-122	13.3	12.6	QR-04
Toluene	2.12	0.050	mg/kg	2.00		106	84.2-126	14.4	13.3	QR-04
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	84.2-121	14.0	13.9	QR-04
m,p-Xylene	4.40	0.100	mg/kg	4.00		110	89.9-126	13.9	13.6	QR-04
o-Xylene	2.02	0.050	mg/kg	2.00		101	84.3-123	13.0	14.1	
Total Xylenes	6.43	0.150	mg/kg	6.00		107	89.1-124	13.6	13.4	QR-04
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	69.9-140			

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**Analytical Results For:**

ENSOLUM, LLC 705 W WADLEY AVE. MIDLAND TX, 79705	Project: NIX GP BATTERY Project Number: 03C2012012 Project Manager: BEAUX JENNINGS Fax To:	Reported: 27-Dec-22 16:37
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**Petroleum Hydrocarbons by GC FID - Quality Control**

**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2120730 - General Prep - Organics**

<b>Blank (2120730-BLK1)</b>		Prepared: 07-Dec-22 Analyzed: 08-Dec-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	33.8		mg/kg	50.0		67.7	45.3-161			
Surrogate: 1-Chlorooctadecane	35.9		mg/kg	50.0		71.9	46.3-178			

<b>LCS (2120730-BS1)</b>		Prepared: 07-Dec-22 Analyzed: 08-Dec-22								
GRO C6-C10	179	10.0	mg/kg	200		89.4	76.8-124			
DRO >C10-C28	189	10.0	mg/kg	200		94.7	74.9-127			
Total TPH C6-C28	368	10.0	mg/kg	400		92.1	77.5-124			
Surrogate: 1-Chlorooctane	43.7		mg/kg	50.0		87.4	45.3-161			
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.2	46.3-178			

<b>LCS Dup (2120730-BSD1)</b>		Prepared: 07-Dec-22 Analyzed: 08-Dec-22								
GRO C6-C10	183	10.0	mg/kg	200		91.4	76.8-124	2.14	17.2	
DRO >C10-C28	194	10.0	mg/kg	200		97.2	74.9-127	2.63	18.6	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	77.5-124	2.39	17.6	
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.3	45.3-161			
Surrogate: 1-Chlorooctadecane	51.8		mg/kg	50.0		104	46.3-178			

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04 The RPD for the BS/BSD was outside of historical limits.
GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **EOG**  
 Project Manager: **Stuart Hyde**  
 Address: **105 S. 4th St.** State: **NM** Zip: **88210**  
 City: **Artesia**  
 Phone #: **970-983-1607** Fax #: \_\_\_\_\_  
 Project #: **0362012012** Project Owner: **Chase Settle**  
 Project Name: **Nix GP Battery** State: **NM** Zip: **88210**  
 Project Location: **32.729246, -104.368291** City: **Artesia**  
 Phone #: **314-330-7876**  
 Sampler Name: **Peter Van Patten** Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	Footage	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<b>HZS-752</b>	<b>1 SWD1</b>	<b>0-4'</b>	<b>C</b>	<b>1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>12-5</b>	<b>1500</b>	<b>BTEX (8021)</b>				
	<b>2 SWD02</b>	<b>4-15'</b>	<b>C</b>	<b>1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>12-5</b>	<b>1510</b>	<b>TPH: 8015</b>				
	<b>SP 1219aa</b>				<input checked="" type="checkbox"/>	<input type="checkbox"/>			<b>CI</b>				

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Relinquished By: **[Signature]** Date: **12-6-22** Received By: **[Signature]**  
 Relinquished By: **[Signature]** Date: **12-6-22** Received By: **[Signature]**

Delivered By: (Circle One) Observed Temp. °C: **0.9** Sample Condition:  Intact  Cool  Intact  Yes  No  
 Corrected Temp. °C: **0.3** Checked By: **[Signature]** (Initials)  
 Turnaround Time: \_\_\_\_\_ Standard Rush:  Bacteria (only) Sample Condition:  Observed Temp. °C: \_\_\_\_\_  
 Thermometer ID #113 Correction Factor: **-0.1**  Yes  No  No  No  No  No  No  No

† Cardinal cannot accept verbal changes. Please email changes to celeykeene@cardinallabsnm.com



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December 12, 2022

STUART HYDE

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/09/22 10:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: FS 01 17' (H225805-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: FS 02 17' (H225805-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: FS 03 17' (H225805-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: FS 04 17' (H225805-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 69.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: FS 05 17' (H225805-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7760	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 03 0'-4' (H225805-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 04 0'-4' (H225805-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 05 0'-4' (H225805-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.1 % 46.3-178

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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 06 4'-17' (H225805-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.4 % 46.3-178

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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 07 4'-17' (H225805-10)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2120</b>	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
<b>DRO &gt;C10-C28*</b>	<b>11.3</b>	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 65.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 70.9 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 08 4'-17' (H225805-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2680</b>	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
<b>DRO &gt;C10-C28*</b>	<b>173</b>	10.0	12/09/2022	ND	175	87.3	200	5.34		
<b>EXT DRO &gt;C28-C36</b>	<b>91.0</b>	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 91.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 09 4'-17' (H225805-12)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1960</b>	16.0	12/12/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
<b>DRO &gt;C10-C28*</b>	<b>17.6</b>	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 73.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 10 4'-17' (H225805-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	12/12/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
<b>DRO &gt;C10-C28*</b>	<b>33.1</b>	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 11 4'-17' (H225805-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	12/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	142	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	74.9	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 12 4'-17' (H225805-15)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55		
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49		
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36		
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34		
Total BTEX	<0.300	0.300	12/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	12/12/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72		
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34		
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND						

Surrogate: 1-Chlorooctane 77.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM, LLC  
 STUART HYDE  
 705 W WADLEY AVE.  
 MIDLAND TX, 79705  
 Fax To:

Received:	12/09/2022	Sampling Date:	12/08/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NAB1914252909	Sample Received By:	Shalyn Rodriguez
Project Location:	32.729246,-104.368291		

**Sample ID: SW 13 4'-17' (H225805-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.11	105	2.00	3.55	
Toluene*	<0.050	0.050	12/09/2022	ND	2.17	109	2.00	4.49	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.22	111	2.00	2.36	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.71	112	6.00	1.34	
Total BTEX	<0.300	0.300	12/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/12/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	166	82.9	200	3.72	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	175	87.3	200	5.34	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					

Surrogate: 1-Chlorooctane 63.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: ~~EOG~~ Ensolium  
 Project Manager: Stuart Hyde  
 Address: 3122 National Parks Hwy  
 City: Carlsbad State: NM Zip: 88220  
 Phone #: 970-903-1607 Fax #: Chase Settle  
 Project #: NAB1914252909 Project Owner: ~~Artesia~~ Artesia  
 Project Name: Nix GP Battery  
 Project Location: 52, 729246, -104, 368291  
 Sampler Name: Peter Van Ratten  
 P.O. #: Company: EOG  
 Attn: Chasa Settle  
 Address: 105 S 4th St  
 City: Artesia State: NM Zip: 88210  
 Phone #: 314-330-7876  
 Fax #:

Lab I.D.	Sample I.D.	Depth	PRESERV.		DATE	TIME	ANALYSIS REQUEST	
			(G)RAB OR (C)OMP.	# CONTAINERS			BTEX (802)	TPH: 8015D
1	ES01	17'	✓	✓	12-8	1400	✓	✓
2	ES02	17'	✓	✓	12-8	1410	✓	✓
3	ES03	17'	✓	✓	12-8	1420	✓	✓
4	ES04	17'	✓	✓	12-8	1430	✓	✓
5	ES05	17'	✓	✓	12-8	1440	✓	✓
6	SW02 03	0-4'	✓	✓	12-8	1610	✓	✓
7	SW03 04	0-4'	✓	✓	12-8	1620	✓	✓
8	SW08 05	0-4'	✓	✓	12-8	1630	✓	✓

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Relinquished By: *Peter Van Ratten*  
 Date: 12-9-22  
 Time: 0930  
 Received By: *Chasa Settle*  
 Date: 12/9/22  
 Time: 0557

Delivered By: (Circle One) *Chasa Settle*  
 Observed Temp. °C: 0.5  
 Corrected Temp. °C: 0.12  
 Sample Condition:  Cool  Intact  Yes  No

Turnaround Time: Standard  Rush   
 Thermometer ID #113 Correction Factor: 0.06  
 Bacteria (only)  Sample Condition  Cool  Intact  Yes  No  
 Observed Temp. °C:  Yes  No  
 Corrected Temp. °C:  Yes  No

Verbal Result:  Yes  No Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 REMARKS: Direct Bill to EOG's email client, *Chasa Settle@egresources.com, shyd@ensolium.com*  
 Chasa Settle@egresources.com, shyd@ensolium.com  
 Turnaround Time: Standard  Rush   
 Thermometer ID #113 Correction Factor: 0.06  
 Bacteria (only)  Sample Condition  Cool  Intact  Yes  No  
 Observed Temp. °C:  Yes  No  
 Corrected Temp. °C:  Yes  No



101 East Marland, Hobbs, NM 88240  
Tel (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: EOG Energy

BILL TO

ANALYSIS REQUEST

Project Manager: Stuart Hyde P.O. #: EOG

Address: 3122 National Parks Hwy Attn: Chase Settle

City: Carlsbad State: NM Zip: 88220 Address: 105 S 4th St

Phone #: 970-903-1607 Fax #:  City: Artesia

Project #: 11AB1914252989 Project Owner: Chase Settle State: NM Zip: 88210

Project Name: Nix GP Battery Phone #: 314-330-876

Project Location: 32.729246, -104.368291 Fax #:

Sampler Name: Peter Van Ratten

Lab I.D.	Sample I.D.	Depth	PRESERV		DATE	TIME	BTEx (8021)	TPH: 80SD	CI
			(G)RAB OR (C)OMP.	# CONTAINERS					
HPA5805					12-8	1450			
9	SW02	04			12-8	1500			
10	SW03	07			12-8	1510			
11	SW04	08			12-8	1520			
12	SW05	09			12-8	1530			
13	SW06	10			12-8	1540			
14	SW07	11			12-8	1550			
15	SW08	12			12-8	1600			
16	SW09	13							

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

Relinquished By: Peter Van Ratten Date: 12-9-22 Received By: Chase Settle Date: 12-9-22

Relinquished By: Peter Van Ratten Date: 12/9/22 Received By: Chase Settle Date: 12/9/22

Delivered By: (Circle One) Chase Settle Observed Temp. °C: 0.5 Sample Condition: Intact Checked By: Chase Settle

Sampler - UPS - Bus - Other: UPS Corrected Temp. °C: 0.1 Yes  No  Bacteria (only) Sample Condition: Intact Observed Temp. °C: 0.1 Corrected Temp. °C: 0.1

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

December 27, 2022

STUART HYDE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/22/22 10:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
STUART HYDE  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	12/22/2022	Sampling Date:	12/21/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2000012	Sample Received By:	Tamara Oldaker
Project Location:	EOG - 32.729246,-104.368291		

**Sample ID: SW 14 4'-23' (H226042-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	GC-NC1	
<b>Ethylbenzene*</b>	<b>0.192</b>	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
<b>Total Xylenes*</b>	<b>0.156</b>	0.150	12/22/2022	ND	6.61	110	6.00	2.94	GC-NC1	
<b>Total BTEX</b>	<b>0.348</b>	0.300	12/22/2022	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 123 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1180</b>	16.0	12/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	12/22/2022	ND	199	99.7	200	4.06		
<b>DRO &gt;C10-C28*</b>	<b>543</b>	50.0	12/22/2022	ND	207	103	200	3.61		
<b>EXT DRO &gt;C28-C36</b>	<b>118</b>	50.0	12/22/2022	ND						

Surrogate: 1-Chlorooctane 74.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.1 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
 STUART HYDE  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/22/2022	Sampling Date:	12/20/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2000012	Sample Received By:	Tamara Oldaker
Project Location:	EOG - 32.729246,-104.368291		

**Sample ID: SW 15 0-4' (H226042-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 63.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.3 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
 STUART HYDE  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/22/2022	Sampling Date:	12/21/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2000012	Sample Received By:	Tamara Oldaker
Project Location:	EOG - 32.729246,-104.368291		

**Sample ID: FS 01 B 23' (H226042-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	12/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.6 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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---

December 27, 2022

STUART HYDE

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/22/22 10:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

ENSOLUM  
STUART HYDE  
3122 NATIONAL PARKS HWY  
CARLSBAD NM, 88220  
Fax To:

Received:	12/22/2022	Sampling Date:	12/20/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2000012	Sample Received By:	Tamara Oldaker
Project Location:	EOG - 32.729246,-104.368291		

**Sample ID: FS 06 5' (H226043-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31	
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94	
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59	
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94	
Total BTEX	<0.300	0.300	12/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	12/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06	
<b>DRO &gt;C10-C28*</b>	<b>64.2</b>	10.0	12/22/2022	ND	207	103	200	3.61	
<b>EXT DRO &gt;C28-C36</b>	<b>12.4</b>	10.0	12/22/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.8 % 46.3-178

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ENSOLUM  
 STUART HYDE  
 3122 NATIONAL PARKS HWY  
 CARLSBAD NM, 88220  
 Fax To:

Received:	12/22/2022	Sampling Date:	12/21/2022
Reported:	12/27/2022	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	03C2000012	Sample Received By:	Tamara Oldaker
Project Location:	EOG - 32.729246,-104.368291		

**Sample ID: FS 07 5' (H226043-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/22/2022	ND	1.99	99.7	2.00	4.31		
Toluene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.94		
Ethylbenzene*	<0.050	0.050	12/22/2022	ND	2.15	107	2.00	3.59		
Total Xylenes*	<0.150	0.150	12/22/2022	ND	6.61	110	6.00	2.94		
Total BTEX	<0.300	0.300	12/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	12/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/22/2022	ND	199	99.7	200	4.06		
DRO >C10-C28*	<10.0	10.0	12/22/2022	ND	207	103	200	3.61		
EXT DRO >C28-C36	<10.0	10.0	12/22/2022	ND						

Surrogate: 1-Chlorooctane 66.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.0 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

**ANALYSIS REQUEST**

Company Name: EOG Resources  
 Project Manager: Stuart Hyde  
 Address: 3122 National Park Hwy  
 City: Carlsbad State: NM Zip: 88220  
 Phone #: 770-903-1607 Fax #: \_\_\_\_\_  
 Project #: 03C2000012 Project Owner: \_\_\_\_\_  
 Project Name: Nix Gp Battery  
 Project Location: \_\_\_\_\_  
 Sampler Name: Copper Whitten  
 P.O. #: \_\_\_\_\_  
 Company: EOG Resources  
 Attn: Chase Settle  
 Address: 105 S. 4th St  
 City: Alamogordo  
 State: NM Zip: 88210  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H226043</u>	<u>FS06</u>	<u>5'</u>	<u>C 1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>12/20/22</u>	<u>12:05</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>2</u>	<u>FS07</u>	<u>5'</u>	<u>C 1</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>	<u>12/20/22</u>	<u>12:15</u>	<u>/</u>	<u>/</u>	<u>/</u>

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: C. White  
 Date: 12-22-22  
 Time: 10:55  
 Received By: [Signature]  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 3.0 Sample Condition  Intact  Cool  Yes  No  
 Corrected Temp. °C 2.4  Yes  No  
 Checked By: [Signature]  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113  
 Correction Factor -0.6°C

REMARKS: Amber-Griffin@eogresources.com  
Chase-Settle@eogresources.com  
Syde@ensolum.com  
fmorrissey@ensolum.com  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 Bacteria (only) Sample Condition  Bacteria  Intact  Cool  Yes  No  
 Rush  Yes  No  
 Corrected Temp. °C \_\_\_\_\_

Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



December 30, 2022

---

# Appendix D

## Remediation Plan- Oct 2019



EOG Resources, Inc.  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

October 4, 2019

NMOCD District II  
811 S. First St.  
Artesia, NM 88210

Re: Nix GP Battery  
O-22-18S-26E  
Eddy County, NM  
2RP-5436

EOG Resources, Inc. is submitting the enclosed Remediation Plan for the above referenced site. The plan is being submitted in response to the C-141 dated May 16, 2019.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

A handwritten signature in black ink that reads "Chase Settle".

Chase Settle  
Rep Safety & Environmental II  
EOG Resources, Inc.

**EOG Resources, Inc.**

**Nix GP Battery**

**Remediation Plan**

**O-22-18S-26E**

**Eddy County, NM**

**October 4, 2019**

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**I. Location**

From the intersection of Hwy 285 and E Dayton Road, head east for 1.4 miles, then take the lease road north to the location.

**II. Background**

On May 16, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 21 B/CO and 19 B/PW with 7 B/CO and 0 B/PW recovered that occurred May 5, 2019. There was a pinhole in the bottom of production tank that allowed the release. The area impacted by the release is approximately 52 feet by 52 feet east of the production tanks. A vacuum truck was called to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils. Excavated soils were sent to a NMOCD approved disposal facility during the initial excavation activities. Initial excavation consisted of removing all visually impacted soils to a depth of four (4) feet below grade surface (bgs). Initial vertical and horizontal soil sampling (5/28/2019 results enclosed) was conducted May 16, 2019, after providing notice of sampling to NMOCD on May 16, 2019. Without discovering the bottom of impactation or the horizontal extents during the initial sampling, further sampling occurred on June 10, 2019, after notification was provided to NMOCD on June 5, 2019. Results (6/19/2019) determined the vertical depth of impactation from the release. On June 11, 2019, after visually inspecting the soil during the sampling process the previous day, Liquid Remediate (microbial bioremediation product) was mixed into the soils showing BTEX and TPH impacts. 16 gallons of Liquid Remediate was mixed with 160 gallons of fresh water, then added to the impacted soils within the V3, V4, V5, and V6 areas as they were stirred with an excavator. The product was allowed to perform bioremediation of the soils and confirmation samples were taken August 27, 2019, along with final horizontal confirmation samples (8/29/2019 results enclosed).

**III. Surface and Ground Water**

Area geology is Cenozoic Quaternary. Based on information from the United States Geological Survey National Water Information System (USGS) regarding this location (Section 22, T18S-R26E), depth to groundwater is approximately 75 feet with the nearest water wells being approximately 0.7 mile to the northeast and northwest. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being the Pecos River at approximately 3.3 miles away. The site is located outside of critical karst areas and outside of the 100-year floodplain.

**IV. NMOCD Assessment Criteria**

The site assessment criteria is as follows:

Depth to ground water	> 50-99'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
Chlorides	10,000 mg/kg

energy opportunity growth

**V. Soils**

USDA Natural Resources Conservation Service (NRCS) classifies soil at the site as Reeves loam, with 1-3% slopes.

**VII. Scope of Work**

Due to the completion of bioremediation of the V3 area and excavation complete to the horizontal extents required, EOG Resources, Inc. proposes to backfill the V1, V2, and V3 areas with caliche in order to reinstall production tanks and place the battery back into service. Once this is complete, the remaining island supporting the gas meter at the H11 sidewall, will be completely excavated to four (4) feet bgs. This will effectively make the H10 and H12 horizontal areas continuous and address the impacted H11 area. As soon as that excavation is complete, a confirmation sample will be collected at four (4) feet bgs and at the sidewall that will be exposed between H10 and H12, these samples will be sent to a third party laboratory and if confirmation of Table 1 standards and 19.15.29.13 guidelines are met, the area will backfilled with caliche for reinstallation of the gas meter.

With the reduction in contaminate concentration between initial soil sampling on May 16, 2019, and the confirmation samples collected August 27, 2019, EOG again treated the V4, V5, and V6 vertical areas with Liquid Remediate on September 12, 2019. The treatment on September 12 followed the protocol used for the June 11 treatment, 16 gallons of Liquid Remediate was mixed in with 160 gallons of fresh water and the mixture was applied to the soils as it was stirred with an excavator. EOG Resources, Inc. proposes to allow the bioremediation product to work on the impacted soils for 90 days from the treatment date of September 12. This would put the confirmation sampling date at December 12, 2019. EOG would perform confirmation sampling the same as previously completed, taking a sample every two (2) feet within the treatment areas, with sampling to extend four (4) feet past the known impaction depth. If all samples are below Table 1 standards, then the site will be backfilled with caliche to grade and a Closure Report will be submitted with confirmation soil data. If the confirmation samples are not below Table 1 standards, the site will be reevaluated for the appropriate method to complete remediation of the 3 remaining areas.

# Table 1

## Soil Analytical Data



# Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
V1-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
V2-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V2-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V3-4'	4	5/16/19	<0.050	0.050	<0.050	<0.150	<0.300	<10.0	1830	509	2339	3080
V3-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
V3-8'	8	5/16/19	<0.050	<0.050	0.160	<0.150	<0.300	<10.0	487	<10.0	487	160
V3-10'	10	5/16/19	<0.050	0.074	5.61	0.370	6.06	66.9	1000	104	1170.9	96
V3-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1720
V3-15'	15	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1090
V4-4'	4	5/16/19	0.094	0.179	3.38	13.8	17.4	<50.0	9710	2200	11910	4520
V4-6'	6	5/16/19	0.869	1.20	12.7	26.5	41.3	242	6040	1110	7392	1790
V4-8'	8	5/16/19	0.907	1.27	14.5	29.6	46.3	300	5900	935	7135	1920
V4-10'	10	5/16/19	0.234	0.482	6.35	13.0	20.0	127	2250	388	2765	1940
V4-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6320
V4-14'	14	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9800
V5-4'	4	5/16/19	0.059	0.089	2.54	4.50	7.18	<50.0	8570	1990	10560	6560
V5-6'	6	5/16/19	0.896	0.437	11.3	5.87	18.5	193	3400	852	4445	5200
V5-8'	8	5/16/19	0.596	0.275	8.73	3.66	13.3	106	1970	403	2479	4080
V5-10'	10	5/16/19	0.827	0.426	12.8	5.43	19.5	216	3200	698	4114	4800
V5-15'	15	6/10/19	<0.050	<0.050	0.072	<0.150	<0.300	<10.0	30.9	<10.0	30.9	6240
V5-19'	19	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6480
V6-4'	4	5/16/19	<0.050	<0.050	0.054	<0.150	<0.300	<10.0	1160	288	1448	7460
V6-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1820	561	2381	6320
V6-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	897	215	1112	7600
V6-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8800
H1	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
H2	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.9	30.8	58.7	64
H3	0-4	5/16/19	<0.050	0.056	<0.050	<0.150	<0.300	<10.0	65.7	55.3	121	48
H4	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2440
H4-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	521	347	868	560
H5	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1280
H5-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	84	216	2560
H5-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10	<10.0	10	288
H6	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1310
H6-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	154	20.7	174.7	560
H7	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608
H7-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	251	129	380	80
H8	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H9	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
H10	0-4	5/16/19	<0.050	<0.050	0.811	2.02	2.83	<10.0	1560	384	1944	3080
H10-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1220
H10-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H11	0-4	5/16/19	<0.050	<0.050	0.232	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	848
H11-2	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	343	162	505	896
H12	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64

## Confirmation Sample Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V3C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	710	227	937	1410
V3C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	397	132	529	1040
V3C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.3	<10.0	14.3	944
V3C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.1	<10.0	41.1	832
V3C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
V3C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	976
V4C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	10500	3160	13660	5920
V4C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3600
V4C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3080
V4C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3440
V4C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4080
V4C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5680
V4C-16'	16	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7060
V5C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2780	752	3532	5600
V5C-6'	6	8/27/19	<0.050	<0.050	0.063	0.299	0.362	58	2890	746	3694	3600
V5C-8'	8	8/27/19	<0.050	0.079	0.995	2.06	3.14	87.2	2620	683	3390.2	3920
V5C-10'	10	8/27/19	<0.050	0.154	1.61	2.04	3.8	81.3	2420	616	3117.3	3360
V5C-12'	12	8/27/19	<0.200	0.294	1.98	4.90	7.18	137	5020	1470	6627	3320
V5C-14'	14	8/27/19	0.072	0.184	2.04	4.26	6.55	96.3	3010	831	3937.3	3680
V5C-16'	16	8/27/19	0.073	0.126	1.71	1.84	3.74	37.3	1150	295	1482.3	4760
V6C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2330	679	3009	6000
V6C-6'	6	8/27/19	<0.050	<0.050	0.074	<0.150	<0.300	<10.0	225	78.5	303.5	3080
V6C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	371	90.3	461.3	3680
V6C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5460
V6C-12'	12	8/27/19	<0.050	<0.050	0.174	0.158	0.332	<10.0	71.9	<10.0	71.9	2320
V6C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5200

# Figure 1

## Site Map with Sample Points



# Photos

eog resources (575) 748-

NIX "GP"  
BATTERY  
SW 1/4 - SE 1/4 - Unit  
Sec. 22 - T 18 S - R 26 E  
Eddy Co. New Mexico



# Appendix A

## USGS Groundwater Information



### National Water Information System: Map View

Sites **Map Layers**

#### Search Results

##### Export Sites

Site Number	Site Name
<a href="#">32440981042237</a> 01	18S.26E.22.133313
<a href="#">3244131042135</a> 01	18S.26E.23.131331
<a href="#">3244211042253</a> 01	18S.26E.21.7233113

Search Parameters

Explanation of Symbols





USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:  Geographic Area:

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

Search Results -- 1 sites found

site\_no list =  
• 324408104223701

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324408104223701 18S.26E.22.133313

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°44'08", Longitude 104°22'37" NAD27

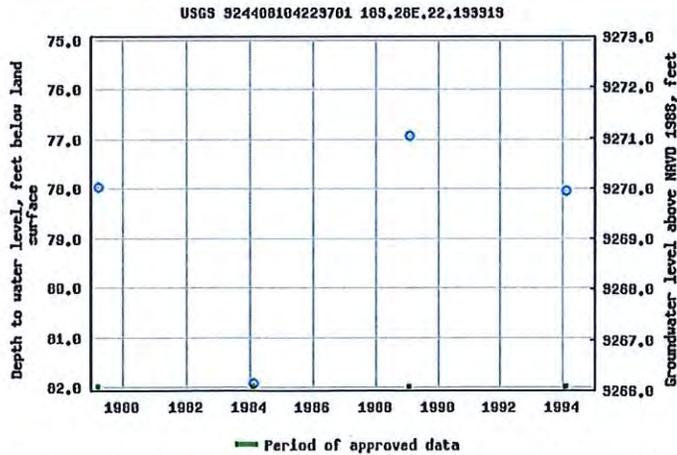
Land-surface elevation 3,348 feet above NAVD88

The depth of the well is 100 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



Breaks in the plot represent a gap of at least one year between field measurements.

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- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
- [News](#)

Accessibility Plug-Ins 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?>





National Water Information System: Web Interface

USGS Water Resources

Date Category:  Geographic Area:

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for the Nation

Search Results -- 1 sites found

site\_no list =  
• 324413104213501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324413104213501 18S.26E.23.131331

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°44'13", Longitude 104°21'35" NAD27

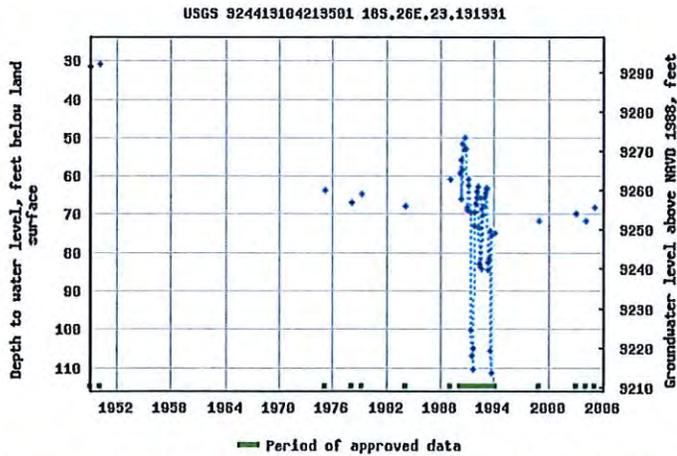
Land-surface elevation 3,324 feet above NAVD88

The depth of the well is 180 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



Breaks in the plot represent a gap of at least one year between field measurements.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



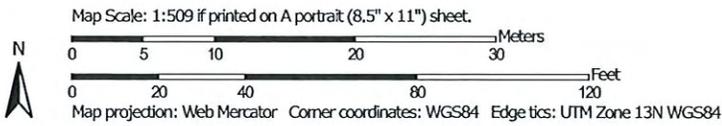
# Appendix B

## NRCS Soil Classification

Soil Map—Eddy Area, New Mexico  
(Nix GP Battery)



Soil Map may not be valid at this scale.



Soil Map—Eddy Area, New Mexico  
(Nix GP Battery)

### MAP LEGEND

Area of Interest (AOI)	Spoil Area
Soils	Stony Spot
Soil Map Unit Polygons	Very Stony Spot
Soil Map Unit Lines	Wet Spot
Soil Map Unit Points	Other
<b>Special Point Features</b>	<b>Special Line Features</b>
Blowout	Streams and Canals
Borrow Pit	<b>Water Features</b>
Clay Spot	Streams and Canals
Closed Depression	<b>Transportation</b>
Gravel Pit	Rails
Gravelly Spot	Interstate Highways
Landfill	US Routes
Lava Flow	Major Roads
Marsh or swamp	Local Roads
Mine or Quarry	<b>Background</b>
Miscellaneous Water	Aerial Photography
Perennial Water	
Rock Outcrop	
Saline Spot	
Sandy Spot	
Severely Eroded Spot	
Sinkhole	
Slide or Slip	
Sodic Spot	

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 15, Sep 15, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 30, 2015—Dec 15, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Pe	Pima silt loam, 0 to 1 percent slopes	0.0	0.0%
Rn	Reeves loam, 1 to 3 percent slopes	1.3	100.0%
<b>Totals for Area of Interest</b>		<b>1.3</b>	<b>100.0%</b>



# Appendix C

## 100 Year Floodplain Map



# FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

[MSC Home \(/portal/\)](#)

[MSC Search by Address \(/portal/search\)](#)

[MSC Search All Products \(/portal/advanceSearch\)](#)

▼ [MSC Products and Tools \(/portal/resources/productsandtools\)](#)

[Hazus \(/portal/resources/hazus\)](#)

[LOMC Batch Files \(/portal/resources/lomc\)](#)

[Product Availability \(/portal/productAvailability\)](#)

[MSC Frequently Asked Questions \(FAQs\) \(/portal/resources/faq\)](#)

[MSC Email Subscriptions \(/portal/subscriptionHome\)](#)

[Contact MSC Help \(/portal/resources/contact\)](#)

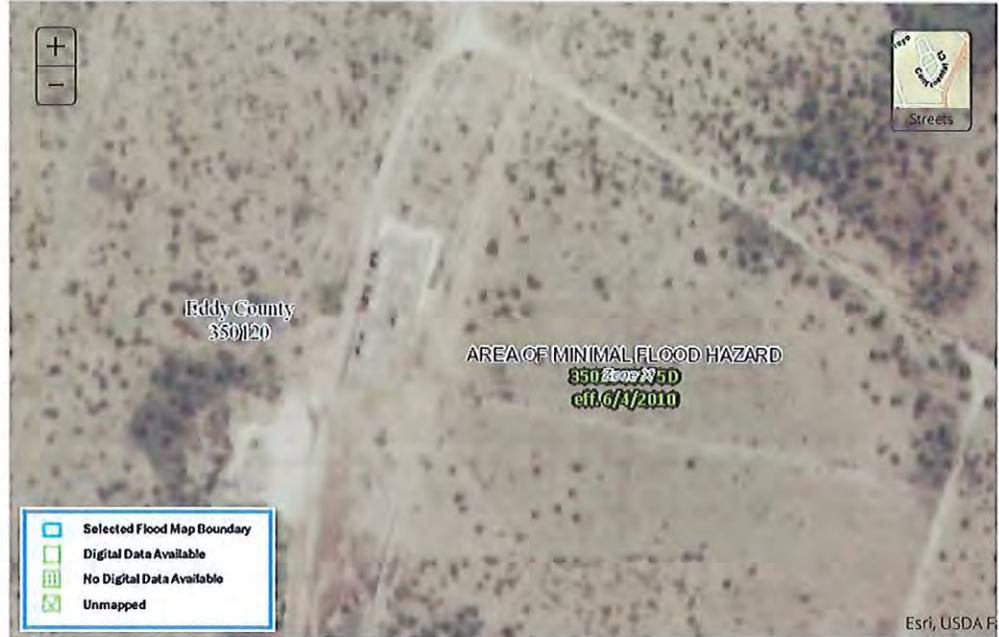
Enter an address, place, or coordinates: ?

Eddy County New Mexico

Search

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take \(https://www.fema.gov/what-mitigation\)](https://www.fema.gov/what-mitigation) to reduce flood risk damage.



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[Whitehouse.gov \(/www.whitehouse.gov\)](#)
[DHS.gov \(/www.dhs.gov\)](#)
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[USA.gov \(/www.usa.gov\)](#)
[DisasterAssistance.gov \(/www.disasterassistance.gov/\)](#)



<https://www.oig.dhs.gov/hotline>

Official website of the Department of Homeland Security

# Appendix D

## Laboratory Soil Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 28, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/20/19 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 1-4' (H901813-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 93.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.2	200	8.64		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	210	105	200	16.0		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 93.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 1-6' (H901813-02)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.2	200	8.64		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	210	105	200	16.0		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 1-8' (H901813-03)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.2	200	8.64		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	210	105	200	16.0		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 90.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.6 % 37.6-147

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Caley D. Keene, Lab Director/Quality Manager



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 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 1-10' (H901813-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 92.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.2	200	8.64		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	210	105	200	16.0		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 89.1 % 41-142

Surrogate: 1-Chlorooctadecane 96.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 2-4' (H901813-05)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	<10.0	10.0	05/21/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	<10.0	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 2-6' (H901813-06)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 96.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	<10.0	10.0	05/21/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	<10.0	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 2-8' (H901813-07)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 95.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	<10.0	10.0	05/21/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	<10.0	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 2-10' (H901813-08)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
Toluene*	<0.050	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	<10.0	10.0	05/21/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	<10.0	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 84.0 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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Caley D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 3-4' (H901813-09)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2019	ND	1.93	96.5	2.00	0.982		
<b>Toluene*</b>	<b>0.050</b>	0.050	05/22/2019	ND	2.09	105	2.00	0.452		
Ethylbenzene*	<0.050	0.050	05/22/2019	ND	2.02	101	2.00	0.572		
Total Xylenes*	<0.150	0.150	05/22/2019	ND	6.20	103	6.00	0.326		
Total BTEX	<0.300	0.300	05/22/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 92.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3080</b>	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9		
<b>DRO &gt;C10-C28*</b>	<b>1830</b>	10.0	05/21/2019	ND	156	78.1	200	21.3		
<b>EXT DRO &gt;C28-C36</b>	<b>509</b>	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 66.3 % 41-142

Surrogate: 1-Chlorooctadecane 139 % 37.6-147

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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 05/20/2019
Reported: 05/28/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN
Sampling Date: 05/16/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 3-6' (H901813-10)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIL) 95.4% 73.3-129

Table for Chloride, SM4500Cl-B. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row: Chloride 352, 16.0, 05/28/2019, ND, 368, 92.0, 400, 8.33.

Table for TPH 8015M. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows: GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 79.7% 41-142

Surrogate: 1-Chlorooctadecane 79.0% 37.6-147

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Celey D. Keene (signature)

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 3-8' (H901813-11)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
<b>Ethylbenzene*</b>	<b>0.160</b>	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	05/28/2019	ND	368	92.0	400	8.33	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2019	ND	166	83.0	200	12.9	
<b>DRO &gt;C10-C28*</b>	<b>487</b>	10.0	05/21/2019	ND	156	78.1	200	21.3	
EXT DRO >C28-C36	<10.0	10.0	05/21/2019	ND					

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 3-10' (H901813-12)**

BTEX 8021B	mg/kg	Analyzed By: ms					S-04			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	0.074	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	5.61	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	0.370	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	6.06	0.300	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 130 % 73.3-129

Chloride, SM4500Cl-B	mg/kg	Analyzed By: JH								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M	mg/kg	Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	66.9	10.0	05/21/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	1000	10.0	05/21/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	104	10.0	05/21/2019	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Caley D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 4-4' (H901813-13)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.094	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	0.179	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	3.38	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	13.8	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	17.4	0.300	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 129 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4520	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<50.0	50.0	05/21/2019	ND	166	83.0	200	12.9			
DRO >C10-C28*	9710	50.0	05/21/2019	ND	156	78.1	200	21.3			
EXT DRO >C28-C36	2200	50.0	05/21/2019	ND							

Surrogate: 1-Chlorooctane 172 % 41-142

Surrogate: 1-Chlorooctadecane 540 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 4-6' (H901813-14)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.869	0.200	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	1.20	0.200	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	12.7	0.200	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	26.5	0.600	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	41.3	1.20	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1790	16.0	05/28/2019	ND	368	92.0	400	8.33		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	242	50.0	05/22/2019	ND	166	83.0	200	12.9			
DRO >C10-C28*	6040	50.0	05/22/2019	ND	156	78.1	200	21.3			
EXT DRO >C28-C36	1110	50.0	05/22/2019	ND							

Surrogate: 1-Chlorooctane 190 % 41-142

Surrogate: 1-Chlorooctadecane 351 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 4-8' (H901813-15)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.907	0.200	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	1.27	0.200	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	14.5	0.200	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	29.6	0.600	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	46.3	1.20	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	05/28/2019	ND	368	92.0	400	8.33	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	300	50.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	5900	50.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	935	50.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 212 % 41-142

Surrogate: 1-Chlorooctadecane 307 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 4-10' (H901813-16)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.234	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	0.482	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	6.35	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	13.0	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	20.0	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1940	16.0	05/28/2019	ND	368	92.0	400	8.33	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	127	10.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	2250	10.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	388	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 141 % 41-142

Surrogate: 1-Chlorooctadecane 162 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 5-4' (H901813-17)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.059	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	0.089	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	2.54	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	4.50	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
<b>Total BTEX</b>	<b>7.18</b>	<b>0.300</b>	<b>05/23/2019</b>	<b>ND</b>						

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	05/28/2019	ND	400	100	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<50.0	50.0	05/22/2019	ND	166	83.0	200	12.9			
DRO >C10-C28*	8570	50.0	05/22/2019	ND	156	78.1	200	21.3			
EXT DRO >C28-C36	1990	50.0	05/22/2019	ND							

Surrogate: 1-Chlorooctane 135 % 41-142

Surrogate: 1-Chlorooctadecane 484 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 5-6' (H901813-18)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.896	0.200	05/28/2019	ND	2.01	101	2.00	2.10		
Toluene*	0.437	0.200	05/28/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	11.3	0.200	05/28/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	5.87	0.600	05/28/2019	ND	6.21	103	6.00	1.73		
Total BTEX	18.5	1.20	05/28/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	193	10.0	05/22/2019	ND	166	83.0	200	12.9			
DRO >C10-C28*	3400	10.0	05/22/2019	ND	156	78.1	200	21.3			
EXT DRO >C28-C36	852	10.0	05/22/2019	ND							

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 207 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 5-8' (H901813-19)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.596	0.050	05/28/2019	ND	2.01	101	2.00	2.10	
Toluene*	0.275	0.050	05/28/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	8.73	0.050	05/28/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	3.66	0.150	05/28/2019	ND	6.21	103	6.00	1.73	
Total BTEX	13.3	0.300	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 117 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	106	10.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	1970	10.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	403	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 168 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received: 05/20/2019  
 Reported: 05/28/2019  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 05/16/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V 5-10' (H901813-20)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.827	0.200	05/28/2019	ND	2.01	101	2.00	2.10	
Toluene*	0.426	0.200	05/28/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	12.8	0.200	05/28/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	5.43	0.600	05/28/2019	ND	6.21	103	6.00	1.73	
Total BTEX	19.5	1.20	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	216	10.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	3200	10.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	698	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 220 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 6-4' (H901813-21)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/28/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<b>0.054</b>	0.050	05/28/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/28/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>7460</b>	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	166	83.0	200	12.9	
DRO >C10-C28*	<b>1160</b>	10.0	05/22/2019	ND	156	78.1	200	21.3	
EXT DRO >C28-C36	<b>288</b>	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 6-6' (H901813-22)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 93.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	1820	10.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	561	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 79.7 % 41-142

Surrogate: 1-Chlorooctadecane 148 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 6-8' (H901813-23)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	<0.300	0.300	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 97.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	166	83.0	200	12.9		
DRO >C10-C28*	897	10.0	05/22/2019	ND	156	78.1	200	21.3		
EXT DRO >C28-C36	215	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 77.4 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 6-10' (H901813-24)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 94.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	166	83.0	200	12.9	
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	156	78.1	200	21.3	
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 82.5 % 41-142

Surrogate: 1-Chlorooctadecane 81.4 % 37.6-147

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit.
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager









PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 28, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/20/19 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 1 (H901814-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70	
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 97.2 % 41-142

Surrogate: 1-Chlorooctadecane 98.3 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 2 (H901814-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70	
DRO >C10-C28*	27.9	10.0	05/22/2019	ND	198	98.8	200	1.46	
EXT DRO >C28-C36	30.8	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 98.2 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 3 (H901814-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10	
<b>Toluene*</b>	<b>0.056</b>	0.050	05/23/2019	ND	2.11	106	2.00	0.989	
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907	
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73	
Total BTEX	<0.300	0.300	05/23/2019	ND					

Surrogate: 4-Bromofluorobenzene (PII) 93.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70	
<b>DRO &gt;C10-C28*</b>	<b>65.7</b>	10.0	05/22/2019	ND	198	98.8	200	1.46	
<b>EXT DRO &gt;C28-C36</b>	<b>55.3</b>	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 90.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 4 (H901814-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	<0.300	0.300	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 95.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 5 (H901814-05)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/23/2019	ND	2.01	101	2.00	2.10		
Toluene*	<0.050	0.050	05/23/2019	ND	2.11	106	2.00	0.989		
Ethylbenzene*	<0.050	0.050	05/23/2019	ND	2.04	102	2.00	0.907		
Total Xylenes*	<0.150	0.150	05/23/2019	ND	6.21	103	6.00	1.73		
Total BTEX	<0.300	0.300	05/23/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 97.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 6 (H901814-06)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83	
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54	
Ethylbenzene*	<0.050	0.050	05/24/2019	ND	2.02	101	2.00	6.59	
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68	
Total BTEX	<0.300	0.300	05/24/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1310	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70	
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 96.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 7 (H901814-07)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83		
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54		
Ethylbenzene*	<0.050	0.050	05/24/2019	ND	2.02	101	2.00	6.59		
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68		
Total BTEX	<0.300	0.300	05/24/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 95.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 81.2 % 41-142

Surrogate: 1-Chlorooctadecane 85.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 8 (H901814-08)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83		
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54		
Ethylbenzene*	<0.050	0.050	05/24/2019	ND	2.02	101	2.00	6.59		
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68		
Total BTEX	<0.300	0.300	05/24/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 90.6 % 41-142

Surrogate: 1-Chlorooctadecane 92.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 9 (H901814-09)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83		
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54		
Ethylbenzene*	<0.050	0.050	05/24/2019	ND	2.02	101	2.00	6.59		
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68		
Total BTEX	<0.300	0.300	05/24/2019	ND						

Surrogate: 4-Bromofluorobenzene (PII) 93.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 94.5 % 41-142

Surrogate: 1-Chlorooctadecane 94.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 10 (H901814-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2019	ND	2.01	101	2.00	6.83	
Toluene*	<0.050	0.050	05/28/2019	ND	2.11	105	2.00	5.54	
Ethylbenzene*	<b>0.811</b>	0.050	05/28/2019	ND	2.02	101	2.00	6.59	
Total Xylenes*	<b>2.02</b>	0.150	05/28/2019	ND	6.08	101	6.00	6.68	
<b>Total BTEX</b>	<b>2.83</b>	0.300	05/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3080</b>	16.0	05/28/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70	
<b>DRO &gt;C10-C28*</b>	<b>1560</b>	10.0	05/22/2019	ND	198	98.8	200	1.46	
<b>EXT DRO &gt;C28-C36</b>	<b>384</b>	10.0	05/22/2019	ND					

Surrogate: 1-Chlorooctane 95.2 % 41-142

Surrogate: 1-Chlorooctadecane 132 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 11 (H901814-11)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83		
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54		
Ethylbenzene*	<b>0.232</b>	0.050	05/24/2019	ND	2.02	101	2.00	6.59		
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68		
Total BTEX	<0.300	0.300	05/24/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>848</b>	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<100	100	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<100	100	05/22/2019	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	05/20/2019	Sampling Date:	05/16/2019
Reported:	05/28/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 12 (H901814-12)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2019	ND	2.01	101	2.00	6.83		
Toluene*	<0.050	0.050	05/24/2019	ND	2.11	105	2.00	5.54		
Ethylbenzene*	<0.050	0.050	05/24/2019	ND	2.02	101	2.00	6.59		
Total Xylenes*	<0.150	0.150	05/24/2019	ND	6.08	101	6.00	6.68		
Total BTEX	<0.300	0.300	05/24/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 94.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/28/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/22/2019	ND	190	95.0	200	4.70		
DRO >C10-C28*	<10.0	10.0	05/22/2019	ND	198	98.8	200	1.46		
EXT DRO >C28-C36	<10.0	10.0	05/22/2019	ND						

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager







PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 19, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/12/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 3 - 12' (H902040-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2019	ND	2.37	119	2.00	1.55	
Toluene*	<0.050	0.050	06/15/2019	ND	2.35	117	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/15/2019	ND	2.18	109	2.00	1.60	
Total Xylenes*	<0.150	0.150	06/15/2019	ND	6.61	110	6.00	1.99	
Total BTEX	<0.300	0.300	06/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PII) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	06/14/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2019	ND	186	92.9	200	1.68	
DRO >C10-C28*	<10.0	10.0	06/13/2019	ND	181	90.3	200	2.24	
EXT DRO >C28-C36	<10.0	10.0	06/13/2019	ND					

Surrogate: 1-Chlorooctane 87.4 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 3 - 15' (H902040-02)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2019	ND	2.37	119	2.00	1.55		
Toluene*	<0.050	0.050	06/15/2019	ND	2.35	117	2.00	0.355		
Ethylbenzene*	<0.050	0.050	06/15/2019	ND	2.18	109	2.00	1.60		
Total Xylenes*	<0.150	0.150	06/15/2019	ND	6.61	110	6.00	1.99		
Total BTEX	<0.300	0.300	06/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	06/14/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/13/2019	ND	186	92.9	200	1.68		
DRO >C10-C28*	<10.0	10.0	06/13/2019	ND	181	90.3	200	2.24		
EXT DRO >C28-C36	<10.0	10.0	06/13/2019	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 95.3 % 37.6-147

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\* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 06/12/2019
Reported: 06/19/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN
Sampling Date: 06/10/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V 4 - 12' (H902040-03)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 73.3-129

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row includes Chloride.

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 97.5 % 41-142

Surrogate: 1-Chlorooctadecane 97.3 % 37.6-147

Cardinal Laboratories

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Celest D. Keene (signature)

Celest D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 4 - 14' (H902040-04)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43		
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/18/2019	ND	2.02	101	2.00	1.39		
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16		
Total BTEX	<0.300	0.300	06/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIB) 106 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	06/14/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/14/2019	ND	186	92.9	200	1.68		
DRO >C10-C28*	<10.0	10.0	06/14/2019	ND	181	90.3	200	2.24		
EXT DRO >C28-C36	<10.0	10.0	06/14/2019	ND						

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.6 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 5 - 15' (H902040-05)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43		
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87		
Ethylbenzene*	<b>0.072</b>	0.050	06/18/2019	ND	2.02	101	2.00	1.39		
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16		
Total BTEX	<0.300	0.300	06/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>6240</b>	16.0	06/14/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/14/2019	ND	186	92.9	200	1.68		
DRO >C10-C28*	<b>30.9</b>	10.0	06/14/2019	ND	181	90.3	200	2.24		
EXT DRO >C28-C36	<10.0	10.0	06/14/2019	ND						

Surrogate: 1-Chlorooctane 95.9 % 41-142

Surrogate: 1-Chlorooctadecane 97.2 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V 5 - 19' (H902040-06)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43		
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/18/2019	ND	2.02	101	2.00	1.39		
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16		
Total BTEX	<0.300	0.300	06/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	06/14/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/14/2019	ND	186	92.9	200	1.68		
DRO >C10-C28*	<10.0	10.0	06/14/2019	ND	181	90.3	200	2.24		
EXT DRO >C28-C36	<10.0	10.0	06/14/2019	ND						

Surrogate: 1-Chlorooctane 94.2 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 19, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/12/19 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 4 - 2 (H902041-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43		
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87		
Ethylbenzene*	<0.050	0.050	06/18/2019	ND	2.02	101	2.00	1.39		
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16		
Total BTEX	<0.300	0.300	06/18/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2019	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	<10.0	10.0	06/14/2019	ND	236	118	200	4.47			
DRO >C10-C28*	521	10.0	06/14/2019	ND	215	108	200	7.27			
EXT DRO >C28-C36	347	10.0	06/14/2019	ND							

Surrogate: 1-Chlorooctane 98.3 % 41-142

Surrogate: 1-Chlorooctadecane 159 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 06/12/2019
Reported: 06/19/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN
Sampling Date: 06/10/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 5 - 2 (H902041-02)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 102% 73.3-129

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row includes Chloride.

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 93.2% 41-142

Surrogate: 1-Chlorooctadecane 105% 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene (signature)

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 6 - 2 (H902041-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43	
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/18/2019	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16	
Total BTEX	<0.300	0.300	06/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	06/14/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2019	ND	236	118	200	4.47	
DRO >C10-C28*	154	10.0	06/13/2019	ND	215	108	200	7.27	
EXT DRO >C28-C36	20.7	10.0	06/13/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	06/12/2019	Sampling Date:	06/10/2019
Reported:	06/19/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 10 - 2 (H902041-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2019	ND	2.14	107	2.00	2.43	
Toluene*	<0.050	0.050	06/18/2019	ND	2.13	106	2.00	1.87	
Ethylbenzene*	<0.050	0.050	06/18/2019	ND	2.02	101	2.00	1.39	
Total Xylenes*	<0.150	0.150	06/18/2019	ND	6.11	102	6.00	2.16	
Total BTEX	<0.300	0.300	06/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	06/14/2019	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2019	ND	236	118	200	4.47	
DRO >C10-C28*	<10.0	10.0	06/13/2019	ND	215	108	200	7.27	
EXT DRO >C28-C36	<10.0	10.0	06/13/2019	ND					

Surrogate: 1-Chlorooctane 92.7 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Notes and Definitions**

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*             Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/19 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 08/28/2019
Reported: 08/29/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/27/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V3C - 4' (H902978-01)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 73.3-129

Table for Chloride, SM4500Cl-B. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row: Chloride 1410, 16.0, 08/29/2019, ND, 432, 108, 400, 0.00, QM-07.

Table for TPH 8015M. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows: GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chloroocadecane 154 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses.

Celey D. Keene (signature)

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V3C - 6' (H902978-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	204	102	200	2.18	
DRO >C10-C28*	397	10.0	08/28/2019	ND	201	101	200	2.90	
EXT DRO >C28-C36	132	10.0	08/28/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 140 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V3C - 8' (H902978-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	204	102	200	2.18	
DRO >C10-C28*	14.3	10.0	08/28/2019	ND	201	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 130 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V3C - 10' (H902978-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	204	102	200	2.18		
DRO >C10-C28*	41.1	10.0	08/28/2019	ND	201	101	200	2.90		
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 120 % 41-142

Surrogate: 1-Chlorooctadecane 131 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V3C - 12' (H902978-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	201	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					

Surrogate: 1-Chlorooctane 125 % 41-142

Surrogate: 1-Chlorooctadecane 136 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 08/28/2019
Reported: 08/29/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/27/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V3C - 14' (H902978-06)

Table with 10 columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, and Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 73.3-129

Table for Chloride, SM4500Cl-B. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row: Chloride 976, 16.0, 08/29/2019, ND, 432, 108, 400, 0.00.

Table for TPH 8015M. Columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows: GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celest D. Keene (signature)

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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August 29, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/19 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E, MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 4' (H902979-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	08/28/2019	ND	204	102	200	2.18		
DRO >C10-C28*	10500	50.0	08/28/2019	ND	201	101	200	2.90		
EXT DRO >C28-C36	3160	50.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 127 % 41-142

Surrogate: 1-Chlorooctadecane 552 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 6' (H902979-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	201	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 8' (H902979-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	204	102	200	2.18		
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	201	101	200	2.90		
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 111 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 10' (H902979-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	201	101	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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\*=Accredited Analyte

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*Keely D. Keene*

Keely D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 12' (H902979-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	204	102	200	2.18		
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	201	101	200	2.90		
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 14' (H902979-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	203	102	200	2.69		
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 83.1 % 41-142

Surrogate: 1-Chlorooctadecane 90.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V4C- 16' (H902979-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7060	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	203	102	200	2.69		
DRO >C10-C28*	<10.0	10.0	08/28/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	<10.0	10.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 85.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





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August 29, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/19 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received: 08/28/2019  
 Reported: 08/29/2019  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/27/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V5C- 4' (H902980-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77	
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	08/29/2019	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/28/2019	ND	203	102	200	2.69		
DRO >C10-C28*	2780	10.0	08/28/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	752	10.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 161 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V5C- 6' (H902980-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.62	80.8	2.00	1.77		
Toluene*	<0.050	0.050	08/29/2019	ND	1.85	92.7	2.00	2.27		
Ethylbenzene*	<b>0.063</b>	0.050	08/29/2019	ND	1.91	95.3	2.00	3.64		
<b>Total Xylenes*</b>	<b>0.299</b>	0.150	08/29/2019	ND	5.82	97.0	6.00	4.81		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 123 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3600</b>	16.0	08/29/2019	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
<b>GRO C6-C10*</b>	<b>58.0</b>	50.0	08/28/2019	ND	203	102	200	2.69			
<b>DRO &gt;C10-C28*</b>	<b>2890</b>	50.0	08/28/2019	ND	205	102	200	0.571			
<b>EXT DRO &gt;C28-C36</b>	<b>746</b>	50.0	08/28/2019	ND							

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 187 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V5C- 8' (H902980-03)**

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199		
Toluene*	<b>0.079</b>	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911		
Ethylbenzene*	<b>0.995</b>	0.050	08/29/2019	ND	2.07	103	2.00	0.643		
Total Xylenes*	<b>2.06</b>	0.150	08/29/2019	ND	6.15	102	6.00	0.501		
<b>Total BTEX</b>	<b>3.14</b>	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>3920</b>	16.0	08/29/2019	ND	416	104	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>87.2</b>	50.0	08/28/2019	ND	203	102	200	2.69		
<b>DRO &gt;C10-C28*</b>	<b>2620</b>	50.0	08/28/2019	ND	205	102	200	0.571		
<b>EXT DRO &gt;C28-C36</b>	<b>683</b>	50.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 137 % 41-142

Surrogate: 1-Chlorooctadecane 239 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V5C- 10' (H902980-04)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<b>0.154</b>	0.050	08/28/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<b>1.61</b>	0.050	08/28/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<b>2.04</b>	0.150	08/28/2019	ND	6.15	102	6.00	0.501	
<b>Total BTEX</b>	<b>3.80</b>	0.300	08/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>3360</b>	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<b>81.3</b>	50.0	08/28/2019	ND	203	102	200	2.69		
DRO >C10-C28*	<b>2420</b>	50.0	08/28/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	<b>616</b>	50.0	08/28/2019	ND						

Surrogate: 1-Chlorooctane 134 % 41-142

Surrogate: 1-Chlorooctadecane 190 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 08/28/2019
Reported: 08/29/2019
Project Name: NIX GP BATTERY
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/27/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: V5C- 12' (H902980-05)

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row includes Chloride.

Table with columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include GRO C6-C10\*, DRO >C10-C28\*, EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 134 % 41-142

Surrogate: 1-Chlorooctadecane 265 % 37.6-147

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\*=Accredited Analyte

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Celestine D. Keene

Celestine D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V5C- 14' (H902980-06)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.072	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	0.184	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	GC-NC
Ethylbenzene*	2.04	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	4.26	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	6.55	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 114 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	96.3	50.0	08/29/2019	ND	203	102	200	2.69		
DRO >C10-C28*	3010	50.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	831	50.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 179 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V5C- 16' (H902980-07)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.073	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	0.126	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	1.71	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	1.84	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	3.74	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4760	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	37.3	10.0	08/29/2019	ND	203	102	200	2.69		
DRO >C10-C28*	1150	10.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	295	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 158 % 37.6-147

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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/19 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 4' (H902981-01)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 89.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69	
DRO >C10-C28*	2330	10.0	08/29/2019	ND	205	102	200	0.571	
EXT DRO >C28-C36	679	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 54.5 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 6' (H902981-02)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<b>0.074</b>	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 94.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>3080</b>	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69	
DRO >C10-C28*	<b>225</b>	10.0	08/29/2019	ND	205	102	200	0.571	
EXT DRO >C28-C36	<b>78.5</b>	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 8' (H902981-03)**

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199		
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.1 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	08/29/2019	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69		
DRO >C10-C28*	371	10.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	90.3	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 10' (H902981-04)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 89.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5460	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69	
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	205	102	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.3 % 37.6-147

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 12' (H902981-05)**

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199		
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911		
Ethylbenzene*	<b>0.174</b>	0.050	08/29/2019	ND	2.07	103	2.00	0.643		
Total Xylenes*	<b>0.158</b>	0.150	08/29/2019	ND	6.15	102	6.00	0.501		
<b>Total BTEX</b>	<b>0.332</b>	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 96.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>2320</b>	16.0	08/29/2019	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69		
<b>DRO &gt;C10-C28*</b>	<b>71.9</b>	10.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 80.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: V6C- 14' (H902981-06)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 88.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69	
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	205	102	200	0.571	
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.2 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 29, 2019

CHASE SETTLE  
EOG Y RESOURCES, INC  
105 SOUTH 4TH STREET  
ARTESIA, NM 88210

RE: NIX GP BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/28/19 12:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 08/28/2019 Sampling Date: 08/27/2019
Reported: 08/29/2019 Sampling Type: Soil
Project Name: NIX GP BATTERY Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker
Project Location: NOT GIVEN

Sample ID: H 5+3 (H902982-01)

Table with 10 columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include Benzene\*, Toluene\*, Ethylbenzene\*, Total Xylenes\*, and Total BTEX.

Surrogate: 4-Bromofluorobenzene (PIE) 89.3 % 73.3-129

Table with 10 columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Row includes Chloride.

Table with 10 columns: Analyte, Result, Reporting Limit, Analyzed, Method Blank, BS, % Recovery, True Value QC, RPD, Qualifier. Rows include GRO C6-C10\*, DRO >C10-C28\*, and EXT DRO >C28-C36.

Surrogate: 1-Chlorooctane 79.9 % 41-142

Surrogate: 1-Chlorooctadecane 88.7 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses.

Celestine Keene (signature)

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received: 08/28/2019  
 Reported: 08/29/2019  
 Project Name: NIX GP BATTERY  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

Sampling Date: 08/27/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H 7+3 (H902982-02)**

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199		
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 90.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/29/2019	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69		
DRO >C10-C28*	251	10.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	129	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 79.6 % 41-142

Surrogate: 1-Chlorooctadecane 89.2 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 10+3 (H902982-03)**

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199		
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911		
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643		
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501		
Total BTEX	<0.300	0.300	08/29/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 89.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/29/2019	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69		
DRO >C10-C28*	<10.0	10.0	08/29/2019	ND	205	102	200	0.571		
EXT DRO >C28-C36	<10.0	10.0	08/29/2019	ND						

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

EOG Y RESOURCES, INC  
 CHASE SETTLE  
 105 SOUTH 4TH STREET  
 ARTESIA NM, 88210  
 Fax To: (575) 748-4131

Received:	08/28/2019	Sampling Date:	08/27/2019
Reported:	08/29/2019	Sampling Type:	Soil
Project Name:	NIX GP BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: H 11+2 (H902982-04)**

BTEX 8021B		mg/kg		Analyzed By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/29/2019	ND	1.75	87.4	2.00	0.199	
Toluene*	<0.050	0.050	08/29/2019	ND	1.94	97.2	2.00	0.911	
Ethylbenzene*	<0.050	0.050	08/29/2019	ND	2.07	103	2.00	0.643	
Total Xylenes*	<0.150	0.150	08/29/2019	ND	6.15	102	6.00	0.501	
Total BTEX	<0.300	0.300	08/29/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 88.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	08/29/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2019	ND	203	102	200	2.69	
DRO >C10-C28*	343	10.0	08/29/2019	ND	205	102	200	0.571	
EXT DRO >C28-C36	162	10.0	08/29/2019	ND					

Surrogate: 1-Chlorooctane 59.3 % 41-142

Surrogate: 1-Chlorooctadecane 70.2 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



# Appendix E

## Form C-141 (Initial)

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

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

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

Incident ID	
District RP	2RP-5436
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)	
Contact mailing address	104 S. Fourth St., Artesia, NM 88210		

### Location of Release Source

Latitude 32.72936 Longitude -104.36830  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	Nix GP Battery	Site Type	Battery
Date Release Discovered	05/05/2019	API# (if applicable)	

Unit Letter	Section	Township	Range	County
O	22	18S	26E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 7
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 19	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
A pin hole formed in the production tank due to corrosion which allowed for the release of Crude Oil and Produced Water.

Incident ID	
District RP	2RP-5436
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  Greater than 25 barrels of fluid was released.
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  
 Yes, email notification to Rob Hamlet, Victoria Venegas, Mark Naranjo, and Ryan Mann on May 6, 2019, at 9:14 a.m. Email was sent by Katie Jamison.

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

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

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

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

Printed Name: Chase Settle Title: Rep Safety and Environmental II  
 Signature: *Chase Settle* Date: 05/16/2019  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	2RP-5436
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>75</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5436
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety and Environmental II

Signature: *Chase Settle* Date: October 4, 2019

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	2RP-5436
Facility ID	
Application ID	

## Remediation Plan

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

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

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Chase Settle Title: Rep Safety and Environmental II

Signature: *Chase Settle* Date: 10-4-2019

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved     
 Approved with Attached Conditions of Approval     
 Denied     
 Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



December 30, 2022

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# Appendix E

## Photos

Date & Time: Tue, Dec 20, 2022 at 08:28:15 MST

Position: 032.729217°N / 104.368249°W (±16.0ft)

Altitude: 3324ft (±10.4ft)

Datum: WGS-84

Azimuth/Bearing: 354° N06W 6293mils True (±13°)

Elevation Angle: -21.5°

Horizon Angle: -02.3°

Zoom: 1.0X

EOG NIX, excavation looking north



Date & Time: Wed, Dec 21, 2022 at 09:36:13 MST

Position: 032.7292051N / 104.368236°W (±25.5ft)

Altitude: 3323ft (±21.6ft)

Datum: WGS-84

Azimuth/Bearing: 013° N13E 0231mils True (±12°)

Elevation Angle: -17.4°

Horizon Angle: -03.0°

Zoom: 1.0X

EOG nix, excavator on lower bench, facing north











Nix GP Battery  
Closure Report  
nAB1914252909  
2RP-5436



December 30, 2022

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# Appendix F

## NMOCD Communication

**From:** [Tina Huerta](#)  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov)  
**Cc:** [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)  
**Subject:** Nix GP Battery (nAB1914252909) Sampling Notification  
**Date:** Thursday, December 1, 2022 8:24:26 AM  
**Attachments:** [image001.png](#)

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Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Nix GP Battery  
O-22-18S-26E  
Eddy County, NM  
nAB1914252909

Sampling will begin at 8:30 a.m. on Monday, December 5, 2022 and continue through Friday, December 9, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**From:** [Tina Huerta](#)  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov)  
**Cc:** [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)  
**Subject:** Nix GP Battery (nAB1914252909) Sampling Notification  
**Date:** Monday, December 19, 2022 6:55:28 AM  
**Attachments:** [image001.png](#)

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Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Nix GP Battery  
O-22-18S-26E  
Eddy County, NM  
nAB1914252909

Sampling will begin at 8:30 a.m. on Wednesday, December 21, 2022 and continue through Friday, December 23, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**From:** [Miriam Morales](#)  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov)  
**Cc:** [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)  
**Subject:** Nix GP Battery (nAB1914252909) Sampling notification  
**Date:** Thursday, November 3, 2022 9:13:25 AM

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Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Nix GP Battery  
O-22-18S-26E  
Eddy Co, NM  
nAB1914252909

Sampling will begin at 8:30 a.m. on Friday, November 11, 2022.

Thank you,

*Miriam Morales*

**From:** [Chase Settle](#)  
**To:** [Venegas, Victoria, EMNRD](#); [Hamlet, Robert, EMNRD](#)  
**Cc:** [mnanranjo@slo.state.nm.us](mailto:mnanranjo@slo.state.nm.us); [rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us); [Katie Jamison](#); [Bob Asher](#)  
**Subject:** Sampling Notification (Nix GP Battery 2RP-5436)  
**Date:** Wednesday, January 29, 2020 12:42:00 PM  
**Attachments:** [image001.png](#)

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EOG Resources, Inc. respectfully submits sampling notification for the location shown below. Sampling is scheduled to occur on Monday, February 3, 2020, beginning at 8:00 a.m. Confirmation sampling will be completed in the area where the gas meter is located after that soil has been removed and hauled to disposal.

**Nix GP Battery**  
**Section 22, T18S-R26E (UL O)**  
**Eddy County, New Mexico**  
**2RP-5436**

Thank you,

*Chase Settle*  
**Rep Safety & Environmental II**

**EOG Resources**  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
575-748-4171 (Office)  
575-703-6537 (Cell)



**From:** [Chase Settle](#)  
**To:** [Hamlet, Robert, EMNRD](#); [Venegas, Victoria, EMNRD](#)  
**Cc:** [Katie Jamison](#); [Bob Asher](#)  
**Subject:** RE: Sampling Notification (2RP-5436)  
**Date:** Monday, April 12, 2021 3:02:00 PM  
**Attachments:** [image001.png](#)

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Due to machinery issues with the contractor, EOG Resources, Inc. needs to postpone this sampling event until Thursday, April 15, 2021, at 8:00 a.m.

Thank you,

***Chase Settle***  
**Rep Safety & Environmental Sr**

**EOG Resources**  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
575-748-4171 (Office)  
575-703-6537 (Cell)



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**From:** Chase Settle  
**Sent:** Friday, April 9, 2021 7:03 AM  
**To:** 'Hamlet, Robert, EMNRD' <Robert.Hamlet@state.nm.us>; 'Venegas, Victoria, EMNRD' <Victoria.Venegas@state.nm.us>  
**Cc:** Katie Jamison <Katie\_Jamison@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>  
**Subject:** Sampling Notification (2RP-5436)

EOG Resources, Inc. respectfully submits sampling notification for the location shown below. Sampling is scheduled to occur on Tuesday, April 13, 2021, beginning at 8:00 a.m.

Nix GP Battery  
O-22-18S-26E  
Eddy County, NM  
2RP-5436

Thank you,

***Chase Settle***

## Rep Safety & Environmental Sr

### EOG Resources

105 S. 4<sup>th</sup> Street

Artesia, NM 88210

575-748-4171 (Office)

575-703-6537 (Cell)



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

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

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

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

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

CONDITIONS

Action 171401

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 171401
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAB1914252909 NIX GP BATTERY, thank you. This closure is approved.	5/5/2023