



Incident Number: nKMW0800949657,
nKMW0800950646, nKMW0800950937,

Release Assessment and Closure

Platt PA Tank Battery

Section 26, Township 18 South, Range 26 East

API: 30-015-23906

County: Eddy

Vertex File Number: 22E-00123-14

Prepared for:

EOG Resources Inc.

Prepared by:

Vertex Resource Services Inc.

Date:

November 2023

EOG Resources Inc.
Platt PA Tank Battery

Release Assessment and Closure
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Platt PA Tank Battery
Section 26, Township 18 South, Range 26 East
API: 30-015-23906
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Prepared for:
EOG Resources Inc.
104 South 4th Street
Artesia, New Mexico 88210

New Mexico Oil Conservation Division – District 2 - Artesia
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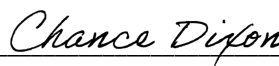
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12/6/2023

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1.0 Introduction

EOG Resources Inc. (EOG) retained Vertex Resource Services Inc. (Vertex) to conduct a Release Assessment and Closure for three releases that occurred on January 6, 2007, June 23, 2007, and July 2, 2007, at Platt PA Tank Battery API 30-015-23906 (hereafter referred to as the "site"). EOG submitted an initial C-141 Release Notification (Appendix A) to New Mexico Oil Conservation Division (NMOCD) District 2 on January 6, 2007, July 5, 2007, and January 9, 2008. Incident ID numbers nKMW0800949657, nKMW0800950646, and nKMW0800950937 were assigned to this incident.

This report describes the release assessment and remediation activities associated with the site. The information presented demonstrates that closure criteria established in Table I of 19.15.29.12 of the *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) related to NMOCD has been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of this release, with the understanding that restoration of the release site.

2.0 Incident Description

nKMW0800949657

The release occurred on January 6, 2007, due to a transition blowout on the discharge side of the water pump. The incident was reported on January 12, 2007, and involved the release of approximately 30 barrels (bbl.) of produced water into the unlined earth berm containment. Approximately 26 bbl. of free fluid was removed during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

nKMW0800950646

The release occurred on June 23, 2007, due to a bad transformer inside the water pump panel box causing the water pump to malfunction and allowing the water tank to overrun. The incident was reported on July 5, 2007, and involved the release of approximately 40 barrels (bbl.) of produced water into the unlined earth berm containment. Approximately 30 bbl. of free fluid was removed during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

nKMW0800950937

The release occurred on July 2, 2007, due to corrosion that caused a hole in the fire tube plate of the heater treater. The incident was reported on January 9, 2008, and involved the release of approximately 10 barrels (bbl.) of produced water into the unlined earth berm containment. Approximately 8 bbl. of free fluid was removed during the initial clean-up. Additional details relevant to the release are presented in the C-141 Report.

3.0 Releases During 1980s-1990s

From 1989 to 1992, three historical releases occurred in the tank battery area. The Remedial Actions Taken section found later in this closure report describes the remediation of the entire battery area, encompassing all three of these historical release areas. There were no incident numbers associated with the three releases. Any remaining impacts were congruently addressed with the remedial activities completed for the reported incidents. On January 11, 1989, the first release occurred when two holes in one of the tanks developed, causing 9 bbl. of crude oil to spill into the tank battery area. No standing fluid was recovered from the incident.

On January 30, 1989, the second release occurred when a hole in one of the tanks developed, causing 80 bbl. of crude oil to spill into the tank battery area. A vacuum truck recovered 70 bbl. of standing fluid from the incident.

On August 4, 1992, the third release occurred when a line from the separator to the gun barrel sprung a leak and caused 50 bbl. of crude oil and produced water to spill into the tank battery area. A vacuum truck recovered 40 bbl. of standing fluid from the incident. Report documentation for these releases is included in Appendix B.

4.0 Site Characteristics

The site is located approximately 9.1 miles southeast of Artesia, New Mexico. The legal location for the site is Section 26, Township 18 South and Range 26 East in Eddy County, New Mexico. The release area is located on private property. An aerial photograph and site schematic are presented in Figure 1.

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2023) indicates the site's surface geology primarily comprises Qp – Piedmont alluvial deposits and is characterized as red sandstone and siltstone. The predominant soil texture on the site is loamy.

The location is typical of oil and gas exploration and production sites in the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area within the battery containment area (Figure 1).

The surrounding landscape is associated with upland plains with elevations ranging between 2,842 and 5,000 feet. The climate is semiarid with average annual precipitation ranging between 8 and 13 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be perennial grasses. Grasses with shrubs and half-shrubs dominate the historic plant community (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Limited to no vegetation is allowed to grow on the compacted production pad, right-of-way, and access road.

The surface geology at the site primarily comprises Qp – Alluvium from the Holocene to middle Pleistocene ages (New Mexico Bureau of Geology and Mineral Resources, 2023) and the soil at the site is characterized as loamy (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Additional soil characteristics include a drainage class of well-drained with a runoff class of low. The karst geology potential for the site is medium (United States Department of the Interior, Bureau of Land Management, 2018).

5.0 Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Table 1) was completed to determine if the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Table 1. Closure Criteria Worksheet			
Site Name: Platt PA Battery			
Spill Coordinates:		X: 32.715484	Y: -104.357324
Site Specific Conditions		Value	Unit
1	Depth to Groundwater	>55	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	16,271	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	40,874	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	1,888	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	2,623	feet
	ii) Within 1000 feet of any fresh water well or spring	2,623	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	7,996	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11	Soil Type	Reagan loam 0-1 slopes and 1 to 3 slopes	
12	Ecological Classification	Loamy	
13	Geology	Qp	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100' >100'

Based on the data included in the closure criteria determination worksheet, the releases at the site are not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC. The nearest groundwater data is younger than 25 years and located closer than 0.5 miles from the remediation site; therefore, the depth to groundwater can accurately be determined. The bore logs that documented the latest borehole drilled are included in Appendix C.

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 2. Closure Criteria for Soils to Remediation & Reclamation Standards		
0-4 feet bgs (19.15.29.13)	Constituent	Limit
	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
DTGW 51-100 feet (19.15.29.12)	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics
BTEX – benzene, toluene, ethylbenzene and xylenes

6.0 Remedial Actions Taken

On March 1, 2023, EOG contracted Vertex to complete release remediation at the site through field screening procedures, oversight of the excavation, and final confirmatory sampling. The daily field reports with final excavation documentation are included in Appendix C.

Remediation began on March 1, 2023, and was halted on May 22, 2023, due to production equipment obstructing a portion of the remediation area on the east side, deeming it unsafe to excavate with machinery. Excavation and confirmation sampling continued on September 28, 2023, after the production equipment had been moved by the current operator to allow for safe excavation. Vertex had a representative on-site during both events to conduct field screening procedures and collected a total of 121 five-point composite confirmatory samples from the base and sidewalls of the excavation, at depths ranging between 4 and 20 feet bgs. The top four feet of the excavation was remediated to NMOCD's strictest closure criteria to horizontally delineate the releases. Notifications that confirmatory samples were being collected were provided to NMOCD before every sampling event and are included in Appendix D, as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC.

Each composite sample was representative of no more than 200 square feet per the alternate sampling method outlined in Subparagraph (c) of Paragraph (1) of Subsection D 19.15.29.12 NMAC. The composite samples were placed into laboratory-provided containers, preserved on ice, and submitted to a National Environmental Laboratory Accreditation Program-approved laboratory for chemical analysis.

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including DRO, MRO, and GRO. Confirmatory sample analytical data are summarized in Table 3. Laboratory data reports and chain of custody forms are included in Appendix E.

A GeoExplorer 7000 Series Trimble global positioning system unit was used to map the approximate center of each of the five-point composite samples. The confirmatory sample locations are presented in Figure 1. Relevant equipment and prominent features/reference points at the site are mapped as well.

7.0 Closure Request

Vertex recommends no additional remediation action to address the release at the site. Laboratory analyses of confirmation samples collected show final confirmatory values below NMOCD closure criteria for areas where depth to groundwater is between 51 and 100 feet bgs with the top four feet meeting the reclamation requirements of 19.15.29.13 NMAC. There are no anticipated risks to human, ecological, or hydrological receptors at the release site.

The remediation area that encompasses every open release was horizontally delineated through five-point composite confirmation sampling. Vertical delineation to NMOCD's most stringent standards was not obtained due to the site meeting the requirements of NMOCD's 51-100 feet closure criteria. The releases did meet the 10,000 mg/l requisite, however, the depth to groundwater is greater than 55 feet bgs and the releases resulted in a total of 23 bbl. of unrecovered produced water, which is less than the 200-bbl. requirement. Therefore, the site did not require vertical delineation to NMOCD's strictest closure criteria.

The excavation was backfilled with non-waste-containing, uncontaminated, earthen material, sourced locally, and placed to meet the site's existing grade to prevent water ponding and erosion.

Vertex requests that these incidents be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. EOG certifies that all information in this report and the attachments are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the releases.

Should you have any questions or concerns, please do not hesitate to contact Chance Dixon at 575.988.1472 or cdixon@vertex.ca.

8.0 References

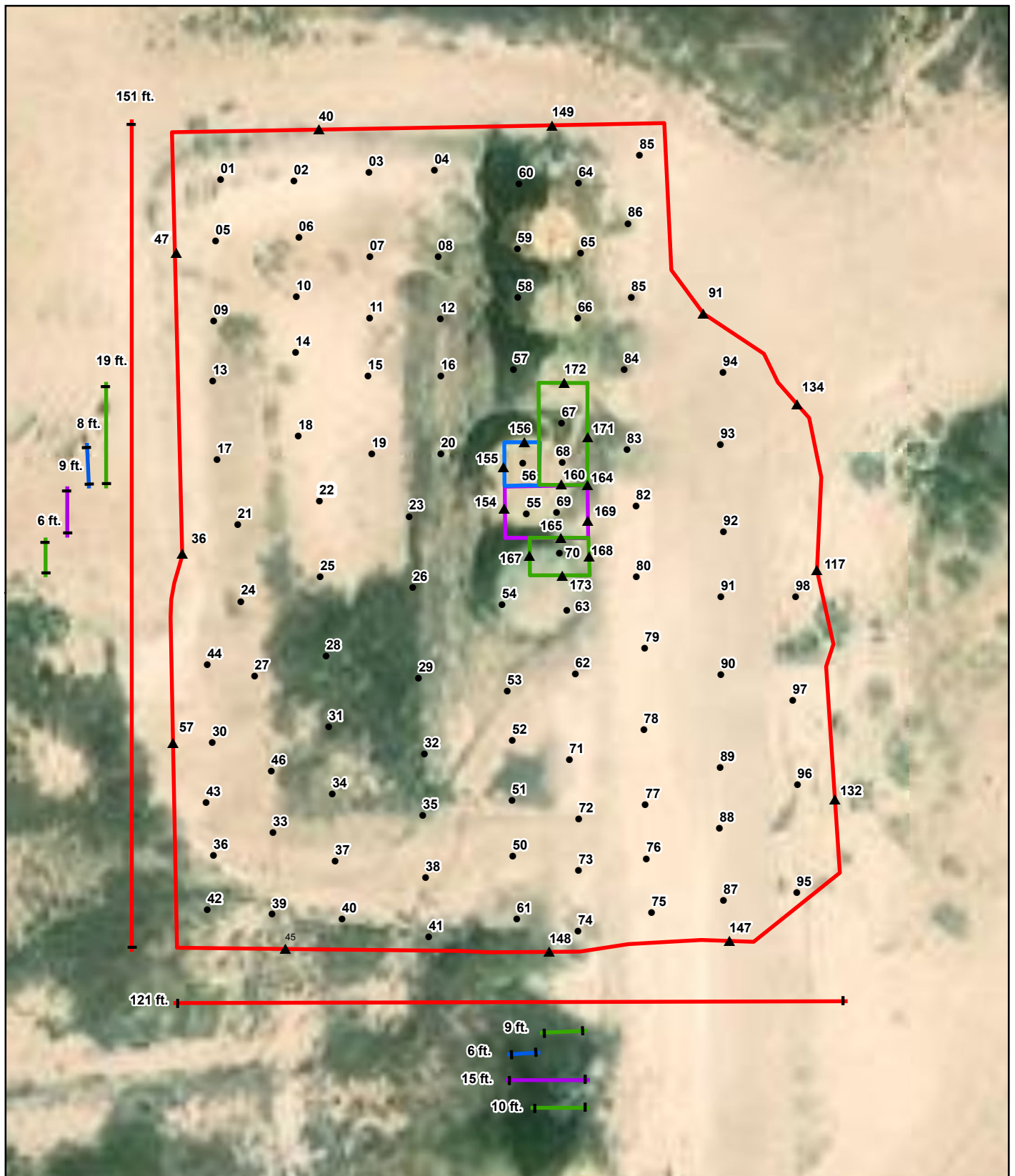
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9.0 Limitations

This report has been prepared for the sole benefit of EOG Resources, Inc. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division and the Bureau of Land Management, without the express written consent of Vertex Resource Services Inc. (Vertex) and EOG Resources, Inc. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

FIGURE



- Base Sample (Prefixed by "BES23-")
- ▲ Wall Sample (Prefixed by "WES23-")
- Excavation to 4 ft. bgs (16,505 sq. ft.)
- Excavation to 10 ft. bgs
- Excavation to 12 ft. bgs
- Excavation to 20 ft. bgs



0 4.5 9 18 ft.
NAD 1983 UTM Zone 13N
Date: Nov 30/23

Map Center:
Lat: 32.715592,
Long: -104.357299



Confirmation Schematic Platt PA Tank Battery

FIGURE:
1



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background image from Esri, 2020. Feature locations from GPS, Vertex Professional Services., 2022.

TABLE

Client Name: EOG Resources, Inc.

Site Name: Platt PA Battery

NMOCD Tracking #: NKMW0800950646

Project #: 22E-00123-14

Lab Reports: 2207B23, 2207816, 2207924, 2207925, 2207A21, 2302930, 2303C36, 2303C82, 2303D76, 2303D20, 2304077 and 2304260, H235428, H235454, H235578, H235721, H235720, H235873, H235953, H236028, H236154

Table 3. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater 51-100 feet bgs

Table 3. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater 51-100 feet bgs													
Sample Description			Field Screening			Petroleum Hydrocarbons							
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					Inorganic
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BES23-01	4	2023-02-20	-	404	421	ND	ND	ND	15	ND	15	15	270
BES23-02	4	2023-02-20	-	419	838	ND	ND	ND	20	50	20	70	540
BES23-03	4	2023-02-20	-	474	203	ND	ND	ND	25	50	25	75	76
BES23-04	4	2023-02-20	-	1380	4009	ND	ND	ND	110	210	110	320	3000
BES23-05	4	2023-02-20	-	350	482	ND	ND	ND	23	81	23	104	210
BES23-06	4	2023-02-20	-	2350	9094	ND	ND	ND	74	120	74	194	6900
BES23-07	4	2023-02-20	-	2210	5481	ND	ND	ND	510	910	510	1420	6200
BES23-08	4	2023-02-20	-	2420	2065	ND	ND	ND	270	570	270	840	2400
BES23-09	4	2023-02-20	-	2450	5153	ND	ND	ND	140	310	140	450	5200
BES23-10	4	2023-02-20	-	2030	6582	ND	ND	ND	170	280	170	450	5300
BES23-11	4	2023-02-20	-	2120	7964	ND	ND	ND	170	250	170	420	5000
BES23-12	4	2023-02-20	-	1840	6155	ND	ND	ND	200	320	200	520	5200
BES23-13	4	2023-02-20	-	1760	5654	ND	ND	ND	79	120	79	199	5900
BES23-14	4	2023-02-20	-	1270	5852	ND	ND	ND	80	110	80.00	190.00	5000
BES23-15	4	2023-02-20	-	2440	5145	ND	ND	ND	74	160	74.00	234.00	10000
BES23-16	4	2023-02-20	-	2470	9414	ND	ND	ND	160	220	160.00	380.00	5200
BES23-17	4	2023-02-20	-	418	268	ND	ND	ND	13	ND	13.00	13.00	87
BES23-18	4	2023-02-20	-	511	134	ND	ND	ND	29	68	29.00	97.00	62
BES23-19	4	2023-02-20	-	427	191	ND	ND	ND	21	57	21.00	78.00	99
BES23-20	4	2023-02-20	-	489	125	ND	ND	ND	18	ND	18.00	18.00	77
BES23-21	4	2023-03-22	-	349	2571	ND	ND	ND	93	120	93.00	213.00	2400
BES23-22	4	2023-03-22	-	401	2980	ND	ND	ND	77	110	77.00	187.00	2400
BES23-23	4	2023-03-22	-	658	3499	ND	ND	ND	100	120	100.00	220.00	3300
BES23-24	4	2023-03-22	-	614	5265	ND	ND	ND	170	200	170.00	370.00	5500
BES23-25	4	2023-03-22	-	378	5621	ND	ND	ND	100	120	100.00	220.00	5600
BES23-26	4	2023-03-22	-	493	5664	ND	ND	ND	190	190	190.00	380.00	5600
BES23-27	4	2023-03-22	-	83	5091	ND	ND	ND	ND	ND	ND	ND	5500
BES23-28	4	2023-03-22	-	796	6747	ND	ND	ND	220	220	220.00	440.00	6100
BES23-29	4	2023-03-22	-	1200	1537	ND	ND	ND	860	620	860.00	1,480.00	1200
BES23-30	4	2023-03-22	-	30	5122	ND	ND	ND	ND	ND	ND	ND	5000
BES23-31	4	2023-03-27	-	143	2342	ND	ND	ND	ND	ND	ND	ND	2400
BES23-32	4	2023-03-27	-	26	1802	ND	ND	ND	ND	ND	ND	ND	1600
BES23-33	4	2023-03-27	-	13	1724	ND	ND	ND	ND	ND	ND	ND	1400
BES23-34	4	2023-03-27	-	269	2532	ND	ND	ND	12	ND	12.00	12.00	2400
BES23-35	4	2023-03-27	-	13	1811	ND	ND	ND	ND	ND	ND	ND	1400
BES23-36	4	2023-03-27	-	24	3461	ND	ND	ND	ND	ND	ND	ND	3100
BES23-37	4	2023-03-27	-	28	2566	ND	ND	ND	ND	ND	ND	ND	1800
BES23-38	4	2023-03-27	-	61	2893	ND	ND	ND	ND	ND	ND	ND	2200
BES23-39	4	2023-03-27	0	77	3225	ND	ND	ND	ND	ND	ND	ND	2500
BES23-40	4	2023-03-27	1	158	6627	ND	ND	ND	21	ND	21.00	21.00	9200
BES23-41	4	2023-03-27	1	40	5627	ND	ND	ND	ND	ND	ND	ND	6800
BES23-42	4	2023-03-31	-	-	-	ND	ND	ND	240	570	240.00	810.00	ND
BES23-43	4	2023-03-31	-	-	-	ND	ND	ND	250	590	250.00	840.00	ND
BES23-44	4	2023-03-31	-	-	-	ND	ND	ND	230	590	230.00	820.00	ND
BES23-50	4	2023-10-05	-	453	510	ND	ND	ND	22	ND	22	22	208
BES23-51	4	2023-10-05	-	506	450	ND	ND	ND	11.2	ND	11.2	11.2	352
BES23-52	4	2023-10-05	-	310	775	ND	ND	ND	ND	ND	ND	ND	192
BES23-53	4	2023-10-05	-	1,209	250	ND	ND	ND	304	ND	377.8	378	2680
BES23-54	4	2023-10-06	-	965	2500	ND	ND	ND	420	ND	420	525	2400
BES23-55	20	2023-10-31	-	105	825	ND	ND	ND	ND	ND	ND	ND	1010
BES23-56	12	2023-10-31	-	414	925	ND	1.45	40.2	692	95.1	732.2	827	1010
BES23-57	4	2023-10-06	-	158	300	ND	ND	ND	ND	ND	ND	ND	16
BES23-58	4	2023-10-06	-	292	200	ND	ND	ND	82.2	19.4	82.2	102	64
BES23-59	4	2023-10-06	-	579	250	ND	ND	ND	229	94.7	229	324	160
BES23-60	4	2023-10-06	-	337	225	ND	ND	ND	ND	ND	ND	ND	48
BES23-61	4	2023-10-06	-	839	1975	ND	ND	ND	137	75.9	137	213	2000
BES23-62	4	2023-10-06	-	772	7725	ND	ND	ND	35.7	ND	35.7	36	7600
BES23-63	4	2023-10-06	-	608	3688	ND	ND	ND	188	60.2	188	248	5680
BES23-64	4	2023-10-12	-	1,269	655	ND	ND	ND	262	196	262	458	512
BES23-65	4	2023-10-12	-	967	550	ND	ND	ND	75.2	34	75.2	109.2	512
BES23-66	5	2023-10-12	-	1,102	263	ND	ND	ND	256	39.7	256	295.7	208

Table 3. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater 51-100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Volatile		Extractable					Inorganic
						Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BES23-67	10	2023-10-30	4	60	2872	ND	ND	ND	19.2	ND	ND	ND	480
BES23-68	10	2023-10-30	109	630	2,473	ND	0.546	19.1	374	61	435	454	464
BES23-69	20	2023-10-30	60	500	2,027	ND	0.861	21	335	53	388	409	2080
BES23-70	10	2023-10-30	6	20	3,338	ND	ND	ND	ND	ND	ND	ND	1720
BES23-71	4	2023-10-12	-	233	1,750	ND	ND	ND	98.5	31.7	98.5	130.2	4640
BES23-72	4	2023-10-12	-	517	7,750	ND	ND	ND	52	49.6	52	101.6	8100
BES23-73	4	2023-10-12	-	1,130	1,600	ND	ND	ND	41.1	17	41.1	58.1	1600
BES23-74	4	2023-10-12	-	800	475	ND	ND	ND	186	153	186	339	288
BES23-75	4	2023-10-12	-	460	3255	ND	ND	ND	21.3	ND	21.3	ND	3520
BES23-76	4	2023-10-12	-	600	2600	ND	ND	ND	27.5	ND	27.5	ND	2520
BES23-77	5	2023-10-12	-	65	3500	ND	ND	ND	ND	ND	ND	ND	3420
BES23-78	4	2023-10-12	-	186	5000	ND	ND	ND	ND	ND	ND	ND	4880
BES23-79	4	2023-10-12	-	636	7875	ND	ND	ND	157	51.6	157	208.6	7800
BES23-80	4	2023-10-12	-	1,257	2,125	ND	ND	ND	582	340	582	922	1840
BES23-82	4	2023-10-31	-	149	3,075	ND	ND	ND	ND	ND	ND	ND	3120
BES23-83	4	2023-10-31	-	194	350	ND	ND	ND	ND	ND	ND	ND	192
BES23-84	4	2023-10-31	-	246	925	ND	ND	ND	ND	ND	ND	ND	912
BES23-85	4	2023-10-31	-	340	750	ND	ND	ND	ND	ND	ND	ND	640
BES23-86	4	2023-10-31	-	264	825	ND	ND	ND	ND	ND	ND	ND	560
BES23-87	4	2023-10-31	-	113	250	ND	ND	ND	ND	ND	ND	ND	112
BES23-88	4	2023-10-31	-	251	1000	ND	ND	ND	ND	ND	ND	ND	976
BES23-89	4	2023-11-01	-	379	1000	ND	ND	ND	ND	ND	ND	ND	800
BES23-90	4	2023-11-01	-	445	800	ND	ND	ND	ND	ND	ND	ND	832
BES23-91	4	2023-11-01	-	278	900	ND	ND	ND	ND	ND	ND	ND	800
BES23-92	4	2023-11-01	-	411	625	ND	ND	ND	ND	ND	ND	ND	624
BES23-93	4	2023-11-01	-	137	675	ND	ND	ND	ND	ND	ND	ND	256
BES23-94	4	2023-11-01	-	1,148	1,175	ND	ND	ND	93.4	73.5	93.4	166.9	1460
BES23-95	4	2023-11-01	-	87	375	ND	ND	ND	ND	ND	ND	ND	432
BES23-96	4	2023-11-01	-	173	275	ND	ND	ND	ND	ND	ND	ND	48
BES23-97	4	2023-11-01	-	174	725	ND	ND	ND	ND	ND	ND	ND	768
BES23-98	4	2023-11-01	-	58	800	ND	ND	ND	ND	ND	ND	ND	768
WES23-35	0-4	2023-03-22	0	16	835	ND	ND	ND	ND	ND	ND	ND	64
WES23-36	0-4	2023-03-22	0	10	738	ND	ND	ND	ND	ND	ND	ND	64
WES23-40	0-4	2023-03-23	0	12	650	ND	ND	ND	ND	ND	ND	ND	ND
WES23-45	0-4	2023-03-24	ND	33	244	ND	ND	ND	ND	ND	ND	ND	68
WES23-47	0-4	2023-03-27	0	2	508	ND	ND	ND	ND	ND	ND	ND	ND
WES23-57	0-4	2023-04-04	0	27	174	ND	ND	ND	ND	ND	ND	ND	ND
WES23-91	0-4	2023-10-04	-	-	-	ND	ND	ND	ND	ND	ND	ND	32
WES23-132	0-4	2023-10-10	-	63	373	ND	ND	ND	ND	ND	ND	ND	48
WES23-134	0-4	2023-10-06	-	60	500	ND	ND	ND	ND	ND	ND	ND	32
WES23-147	0-4	2023-10-06	-	134	300	ND	ND	ND	ND	ND	ND	ND	112
WES23-148	0-4	2023-10-06	-	52	275	ND	ND	ND	ND	ND	ND	ND	32
WES23-149	0-4	2023-10-06	-	82	550	ND	ND	ND	42.4	21.7	42.2	64.1	544
WS23-154	4-14	2023-10-17	-	-	-	ND	ND	ND	ND	ND	ND	ND	32
WS23-155	4-14	2023-10-17	-	-	-	ND	ND	ND	10.7	ND	10.7	10.7	64
WS23-156	14	2023-10-17	-	-	-	ND	ND	ND	ND	ND	ND	ND	80
WES23-160	0-14	2023-10-23	-	456	375	ND	ND	ND	13.9	ND	ND	ND	448
WES23-164	0-20	2023-10-31	-	1269	2563	ND	ND	ND	ND	ND	ND	ND	1230
WES23-167	4-10	2023-11-07	-	-	-	ND	ND	ND	15.9	ND	15.9	15.9	2080
WES23-168	4-10	2023-11-07	-	-	-	ND	ND	ND	13.8	ND	13.8	13.8	1,070
WES23-169	4-10	2023-11-07	-	-	-	ND	ND	ND	ND	ND	ND	ND	1,340
WES23-171	4-10	2023-11-07	-	-	-	ND	ND	ND	ND	ND	ND	ND	608
WES23-172	4-10	2023-11-07	-	-	-	ND	ND	ND	34.8	ND	34.8	34.8	608
WES23-173	4-10	2023-11-07	-	-	-	ND	ND	ND	137	30.9	137	167.9	1,500

APPENDIX A - NMOCD C-141 Reports

State of New Mexico
Energy Minerals and Natural ResourcesForm C-141
Revised October 10, 2003Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

MAR 27 2008

OCD-ARTESIA

Release Notification and Corrective Action

NKMWD800949657

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street		Telephone No. 505-748-1471
Facility Name Platt PA Tank Battery	API Number 30-015-23906	Facility Type Battery
Surface Owner Fee	Mineral Owner State	Lease No.

LOCATION OF RELEASE

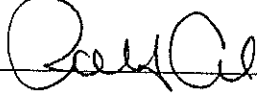
Unit Letter K	Section 16	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.71561 Longitude 104.35672

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 30 B/PW	Volume Recovered 26 B/PW
Source of Release Water Pump	Date and Hour of Occurrence 1/6/2007 AM	Date and Hour of Discovery 1/6/2007 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD	
By Whom? Jerry Fanning, YPC Environmental	Date and Hour 1/6/2007, 9:30 AM (VM); 1/8/2007, 9:19 AM (EM)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Transition blew out on discharge side of the water pump. Fluids were contained within berm. Vacuum truck called		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 30' X 40'. Wells and pump shut down, repairs made, standing fluids vacuumed up. Will sample to determine vertical and horizontal delineation, based on sample results Yates will submit work plan or request sampling event for closure. Contaminated soils have been excavated and taken to an OCD approved facility. sampling was conducted on 2/22/2008 & 3/18/2008. Depth to Ground Water: 50-99', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on enclosed information/documentation, Yates Petroleum Corporation requests closure.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address: boba@ypcnm.com	Conditions of Approval:	
Date: Friday, March 28, 2008 Phone: 505-748-1471	Attached <input type="checkbox"/>	

Attach Additional Sheets If Necessary

Incident ID	nKMW0800949657
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</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 not 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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nKMW0800949657
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 12/7/2023
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	nKMW0800949657
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 12/7/2023

email: Chase_Settle@eogresources.com Telephone: 575-703-6537

OCD Only

Received by: _____ Date: _____

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: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

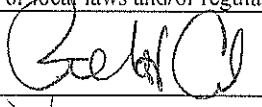
Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 505-748-1471	
Facility Name Platt PA Tank Battery	API Number	Facility Type Battery
Surface Owner Fee	Mineral Owner State	Lease No.

LOCATION OF RELEASE

Unit Letter K	Section 26	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.71561 Longitude 104.35672

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 40 B/PW	Volume Recovered 30 B/PW
Source of Release Water Tank	Date and Hour of Occurrence 6/23/2007 AM	Date and Hour of Discovery 6/23/2007 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD	
By Whom? Robert Asher, YPC Environmental	Date and Hour 7/5/2007, 10:39 AM (VM); 7/5/2007, 10:47 AM (EM)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Bad transformer inside water pump panel box causing the water pump not to start and allowing water tank to over run. Fluids were contained within berm. Vacuum truck called		
Describe Area Affected and Cleanup Action Taken.* An approximate area of 30' X 40'. Wells shut down, repairs made, standing fluids vacuumed up. Vertical and horizontal delineation will be made and corrective action taken. Depth to Ground Water: 50-99', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on enclosed information, Yates Petroleum Corporation requests closure.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Robert Asher	Approved by District Supervisor:	
Title: Environmental Regulatory Agent	Approval Date:	Expiration Date:
E-mail Address: boba@ypcnm.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Tuesday, January 08, 2008	Phone: 505-748-1471	

* Attach Additional Sheets If Necessary

Incident ID	nKMW0800950646
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</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 not 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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nKMW0800950646
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 12/7/2023
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	nKMW0800950646
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 12/7/2023

email: Chase_Settle@eogresources.com Telephone: 575-703-6537

OCD Only

Received by: _____ Date: _____

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: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
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side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Yates Petroleum Corporation	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 TH Street	Telephone No. 505-748-1471	
Facility Name Platt PA Tank Battery	API Number 30-015-23906	Facility Type Battery

Surface Owner Fee	Mineral Owner State	Lease No.
----------------------	------------------------	-----------

LOCATION OF RELEASE

Unit Letter K	Section 26	Township 18S	Range 26E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	----------------

Latitude 32.71561 Longitude 104.35672

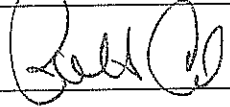
NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 B/PW	Volume Recovered 8 B/PW
Source of Release Heater Treater	Date and Hour of Occurrence 7/2/2007 AM	Date and Hour of Discovery 7/2/2007 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		

Describe Cause of Problem and Remedial Action Taken.*
Hole in fire tube plate from corrosion on heater treater. Fluids were contained within berm. Vacuum truck called.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 35' X 8'. Wells shut down, repairs made, standing fluids vacuumed up. Contaminated soils excavated and hauled to an OCD approved land facility. Vertical and horizontal delineation will be made and corrective action taken. **Depth to Ground Water: 50-99', Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 10. Based on enclosed information, Yates Petroleum Corporation requests closure.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Robert Asher		Approved by District Supervisor:	
Title: Environmental Regulatory Agent		Approval Date:	Expiration Date:
E-mail Address: boba@ypcnm.com		Conditions of Approval:	
Date: Tuesday, January 08, 2008 Phone: 505-748-1471		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Incident ID	nKMW0800950937
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>55</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 not 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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nKMW0800950937
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 12/7/2023
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	nKMW0800950937
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 12/7/2023

email: Chase_Settle@eogresources.com Telephone: 575-703-6537

OCD Only

Received by: _____ Date: _____

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: _____

APPENDIX B – Releases During 1980s-1990s

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR YATES PETROLEUM CORPORATION					ADDRESS 105 So. 4th St., Artesia, NM 88210				
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*			
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY X	PIPE LINE	GASO PLNT	OIL RFY	OTHER*		
NAME OF FACILITY Platt PA									
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION) Unit M,					SEC. 26	TWP. 18S	RGE. 26E	COUNTY Eddy	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK					Approximately 9 miles southeast of Artesia, NM				
DATE AND HOUR OF OCCURENCE Morning 1-11-89					DATE AND HOUR Pumper discovered when making OF DISCOVERY daily route between 7-10 AM				
WAS IMMEDIATE NOTICE GIVEN?		YES	NO X	NOT RE-QUIRED		IF YES, TO WHOM			
BY WHOM					DATE AND HOUR				
TYPE OF FLUID LOST Crude oil					QUANTITY OF LOSS 9 BBLs		VOLUME RE-COVERED none		
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY					
IF YES, DESCRIBE FULLY**									
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**									
Two holes in tank #35063 (one hole-hatch lip and one hole 4" from cone) oil transferred from tank 35063 to tank 35062 and 35065.									
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**									
Oil went into pit.									
DESCRIPTION OF AREA	FARMING		GRAZING X		URBAN		OTHER*		
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW		
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**									
Weather was clear with temperature around 50°.									
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
SIGNED <i>[Signature]</i>					TITLE Production Supervisor				
SPECIFY					DATE 1-13-89				

**ATTACH ADDITIONAL SHEETS IF NECESSARY

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR YATES PETROLEUM CORPORATION					ADDRESS 105 South 4th St., Artesia, NM 88210				
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*			
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTTY X	PIPE LINE	GASO PLNT	OIL RFY	OTHER*		
NAME OF FACILITY Platt PA (Battery)									
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR FOOTAGE DESCRIPTION) Unit M					SEC. 26	TWP. 18S	RGE. 26E	COUNTY Eddy	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK					Approx. 9 miles southeast of Artesia, NM 88210				
DATE AND HOUR OF OCCURENCE during night of 1-29-89					DATE AND HOUR OF DISCOVERY 9:30 AM, 1-30-89				
WAS IMMEDIATE NOTICE GIVEN?		YES	NO X	NOT REQUIRED	IF YES, TO WHOM Not reported by pumper until 4:35 PM 1-30-89.				
BY WHOM Juanita Goodlett					DATE AND HOUR Notified NMOCD, Artesia, 4:50 PM 1-30-89.				
TYPE OF FLUID LOST Crude oil					QUANTITY OF LOSS 80 bbls		VOLUME RECOVERED 70 bbls		
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY					
IF YES, DESCRIBE FULLY**									
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**									
Hole in tank - oil leaked out. Will repair hole or replace tank.									
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**									
Use vacuum truck to recover oil. Will use backhoe to clean area and cover oil spill.									
DESCRIPTION OF AREA	FARMING		GRAZING X		URBAN		OTHER*		
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW		
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**									
Weather clear. Temperature approx. 50° at 9:30 AM 1-30-89.									
HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
SIGNED <i>Juanita Goodlett</i>					TITLE Production Supervisor			DATE 1-30-89	

**ATTACH ADDITIONAL SHEETS IF NECESSARY

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 2 COPIES TO
APPROPRIATE DISTRICT
OFFICE IN ACCORDANCE
WITH RULE 116 PRINTED
ON BACK SIDE OF FORM

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

OPERATOR Yates Petroleum Corporation						ADDRESS 105 S. 4th, Artesia, NM (505) 748-1471		TELEPHONE #	
REPORT OF	FIRE	BREAK	SPILL		LEAK	BLOWOUT	OTHER*		
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY X	PIPE LINE	GASO PLNT	OIL RFY	OTHER*		
FACILITY NAME: Platt PA Tank Battery									
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage NW/SW (Platt PA #3 location)						SEC. 26	TWP. 18S	RGE. 26E	COUNTY Eddy
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 10 miles southeast of Artesia, NM									
DATE AND HOUR OF OCCURRENCE Early morning of 8-4-92					DATE AND HOUR OF DISCOVERY 8-4-92 - 11:00 AM				
WAS IMMEDIATE NOTICE GIVEN?		YES	NO X	NOT REQUIRED		IF YES, TO WHOM			
BY WHOM					DATE AND HOUR				
TYPE OF FLUID LOST Crude oil and produced water					QUANTITY OF LOSS 50 bbls		VOLUME RECOVERED 40		
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY					
IF YES, DESCRIBE FULLY**									
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**									
<p>Line from separator to gun barrel sprung leak and leaked oil and water. Action taken was to call for vacuum truck. Picked up approximately 10 BO and 30 BW and put in drain pit. Put clamp on line for now; plan to replace at a later date.</p>									
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**									
<p>Will have a backhoe on location 8-6-92 to build dike and cover up and clean area. Some oil/water seeped behind battery. Pumper estimated 3 BO and 7 BW lost.</p>									
DESCRIPTION OF AREA	FARMING		GRAZING		URBAN		OTHER* X		
SURFACE CONDITIONS	SANDY X	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW		
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**									
Clear summer day about 90+°.									
Note: Pumper left note on daily gauge sheet in office - note found 11:30 AM 8-5-92.									
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF									
SIGNED <i>Juanita Goodlett</i>					PRINTED NAME AND TITLE Juanita Goodlett, Prod. Supv				
					DATE 8-5-92				

*SPECIFY

**ATTACH ADDITIONAL SHEETS IF NECESSARY

APPENDIX C - Closure Criteria Determination Documentation

Closure Criteria Worksheet			
Site Name: Kleeman PB Battery/Platt PA Battery			
Spill Coordinates:		X: 32.715484	Y: -104.357324
Site Specific Conditions		Value	Unit
1	Depth to Groundwater	>55	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	16,271	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	40,874	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	1,888	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	2,623	feet
	ii) Within 1000 feet of any fresh water well or spring	2,623	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	7,996	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11	Soil Type	Reagan loam 0-1 slopes and 1 to 3 slopes	
12	Ecological Classification	Loamy	
13	Geology	Qp	
NMAC 19.15.29.12 E (Table 1) Closure Criteria		51-100'	<50' 51-100' >100'



BORING LOG

Project No.: 700438.242.01

Weather: Clear, Temp.: 75°F

Driller: D. Londagin

Site Name: Kleeman PB 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: 32.71559 N

Drilling Method: Air Rotary

Boring Number: B-1

Longitude: -104.35707 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 red/brown sandy Loam	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	10-15'				Light brown clayey fine Sand (SC) and caliche	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	15-35'				Gray to light gray sandy Clay (CL) with varying amounts of caliche.	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	35-55'				Light olive/gray to light red/brown fine Sand (SP)	<u>None</u> 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	
	<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

B-1 Distance

0.02 Miles (80 Feet)

Legend

 Feature 1

 Platt Release Area

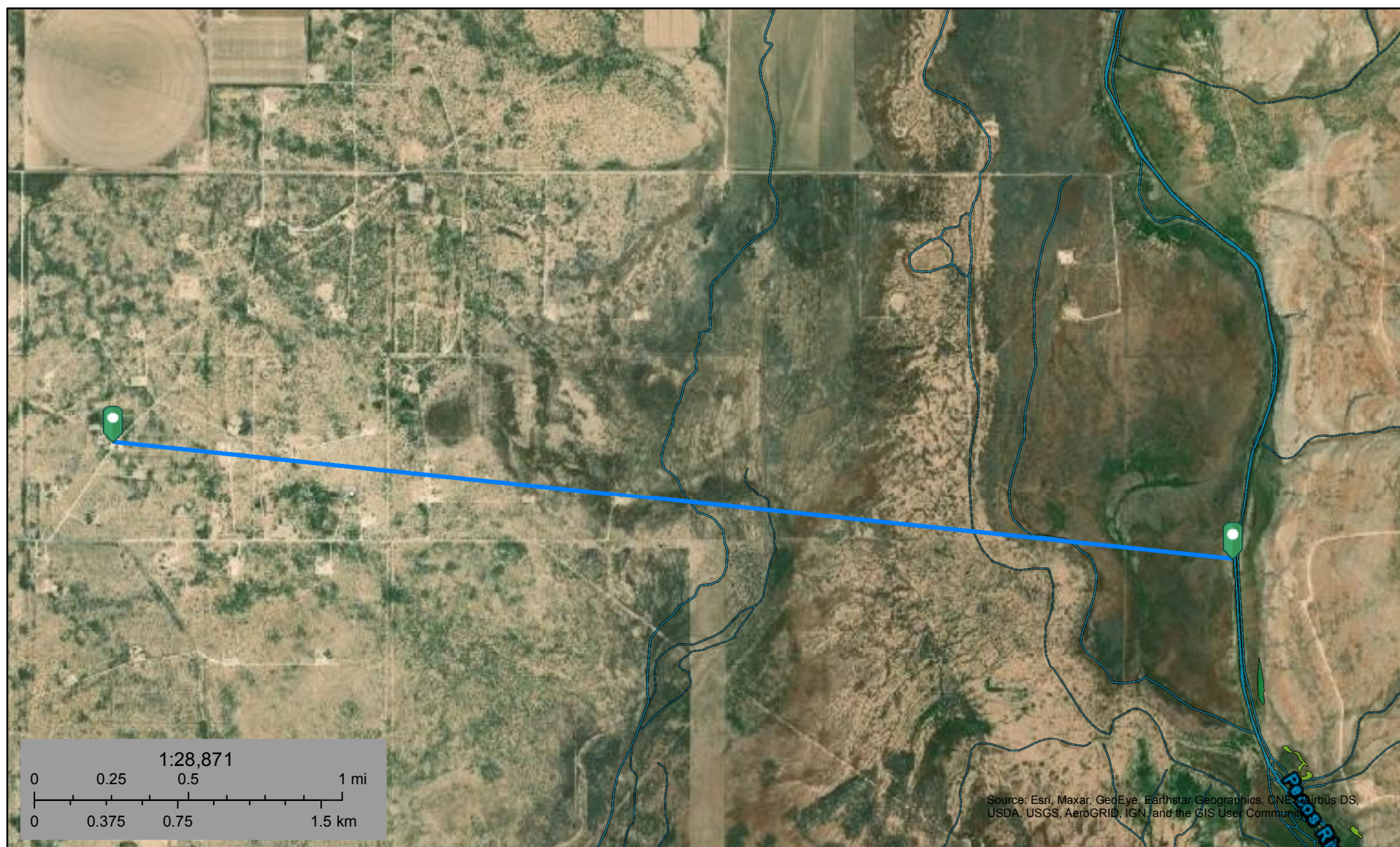
 B-1



80 ft



Kleeman/Platt Battery



November 15, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

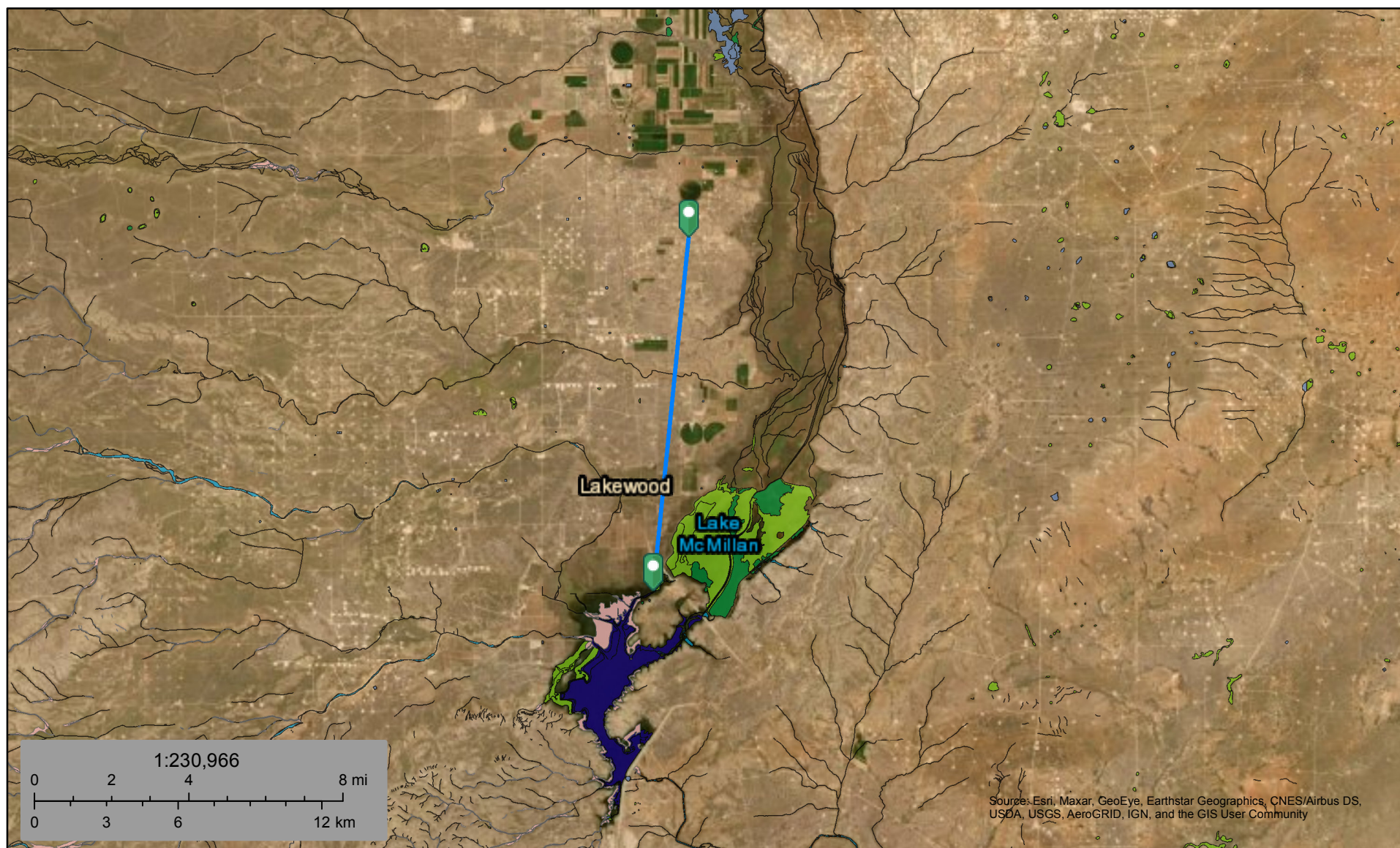
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Kleeman/Platt Battery



November 15, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

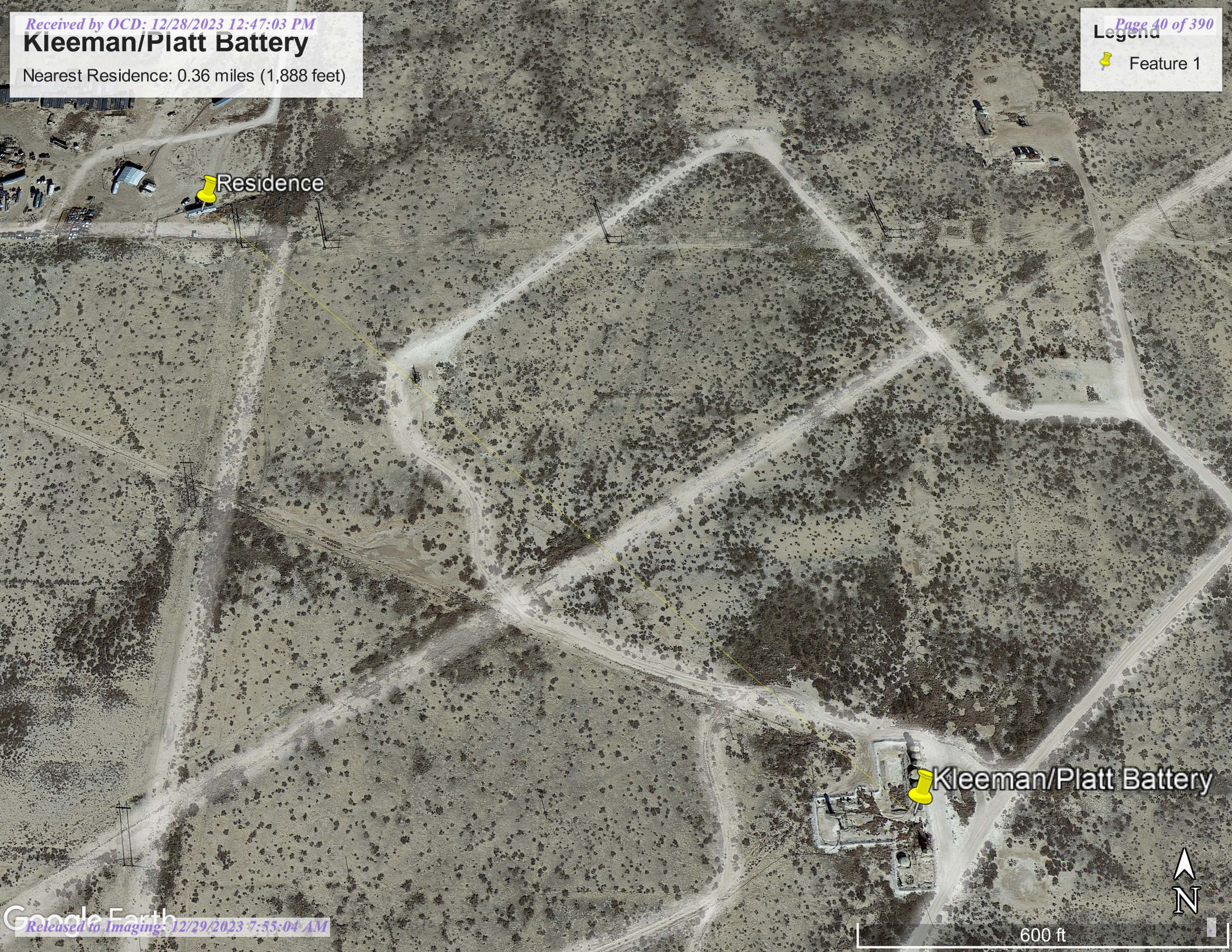
- Lake
- Other
- Riverine

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

Kleeman/Platt Battery

Nearest Residence: 0.36 miles (1,888 feet)

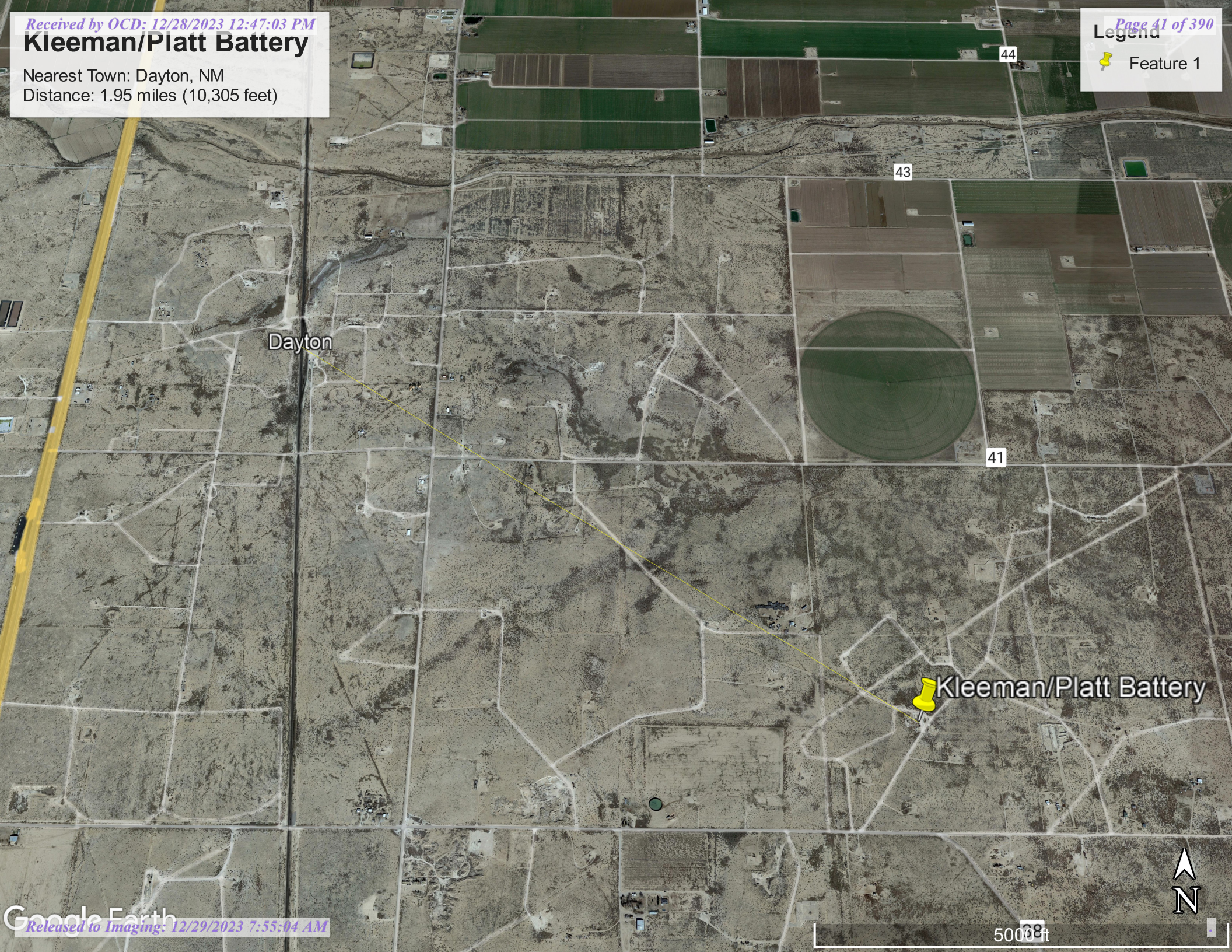
Feature 1



Kleeman/Platt Battery

Nearest Town: Dayton, NM
Distance: 1.95 miles (10,305 feet)

Feature 1



Dayton

43

41

44

Kleeman/Platt Battery



5000ft



U.S. Fish and Wildlife Service

National Wetlands Inventory

Kleeman/Platt Battery



November 15, 2021

Wetlands

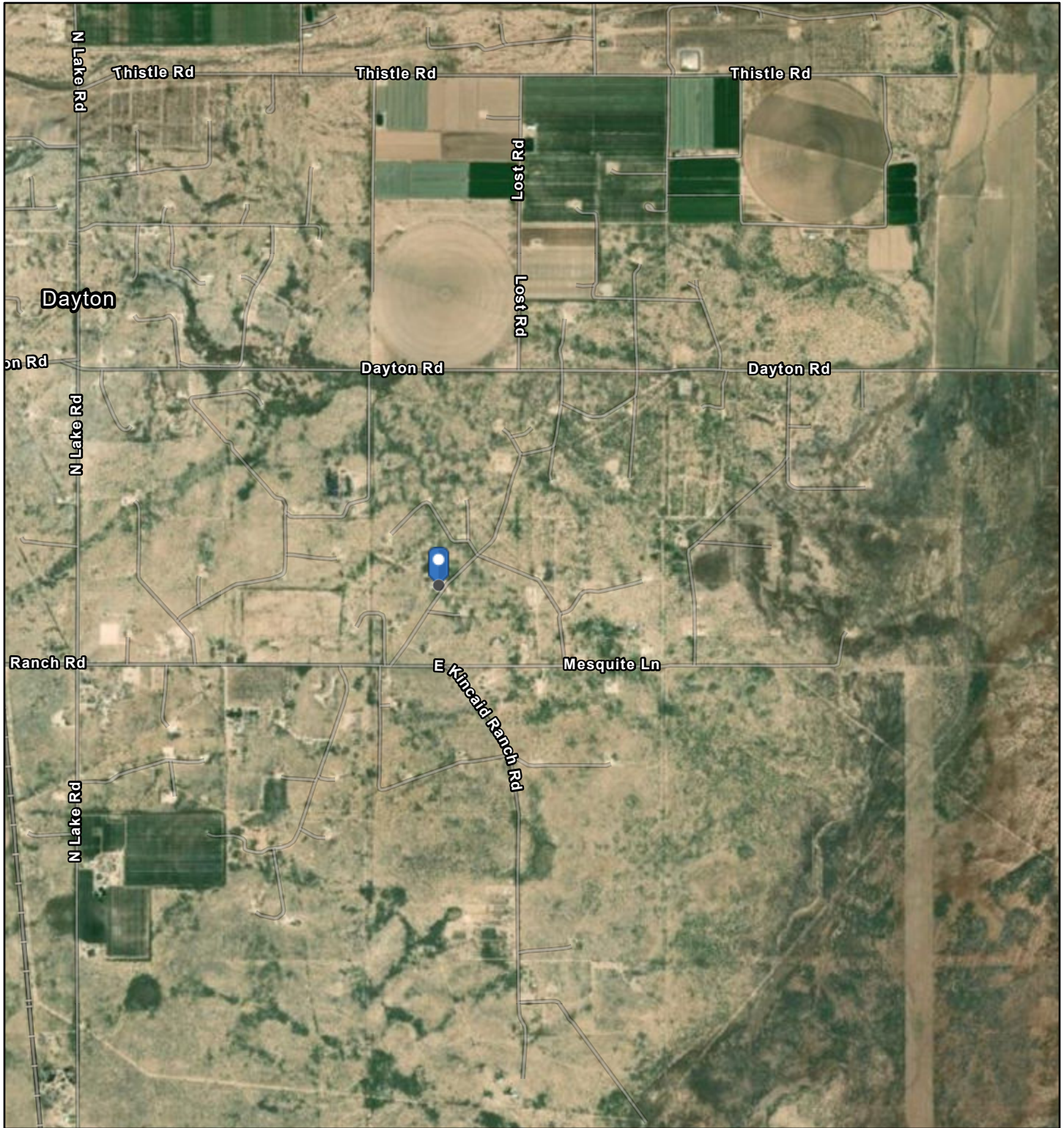
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

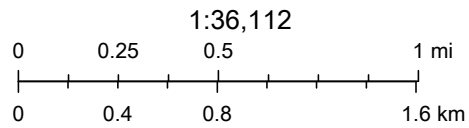
- Lake
- Other
- Riverine

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

Kleeman/Platt Battery

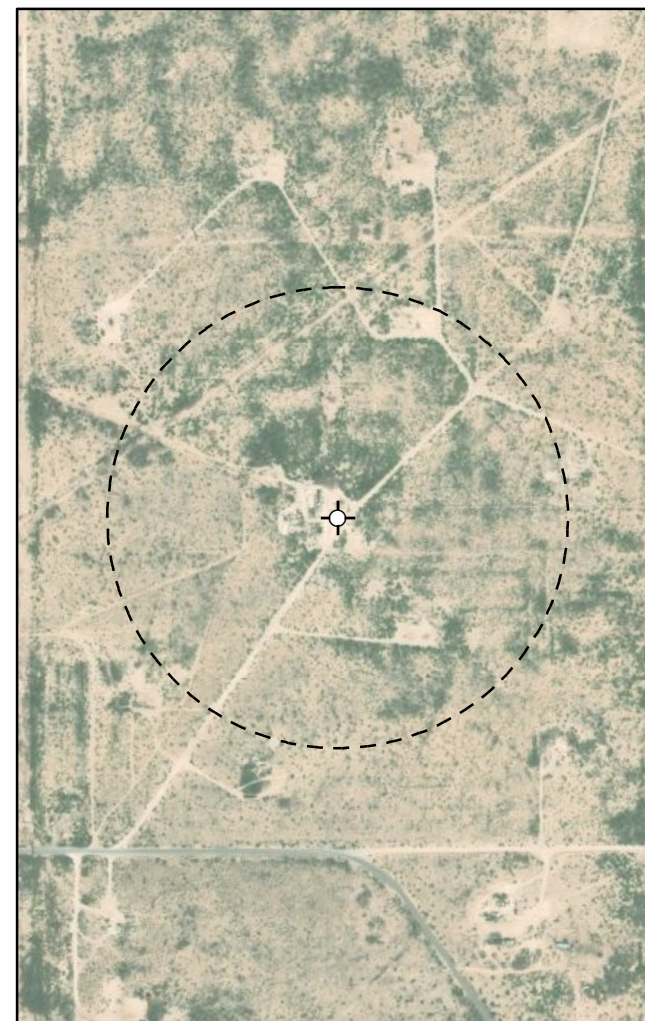
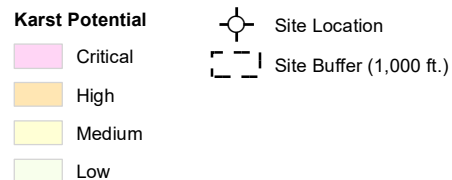
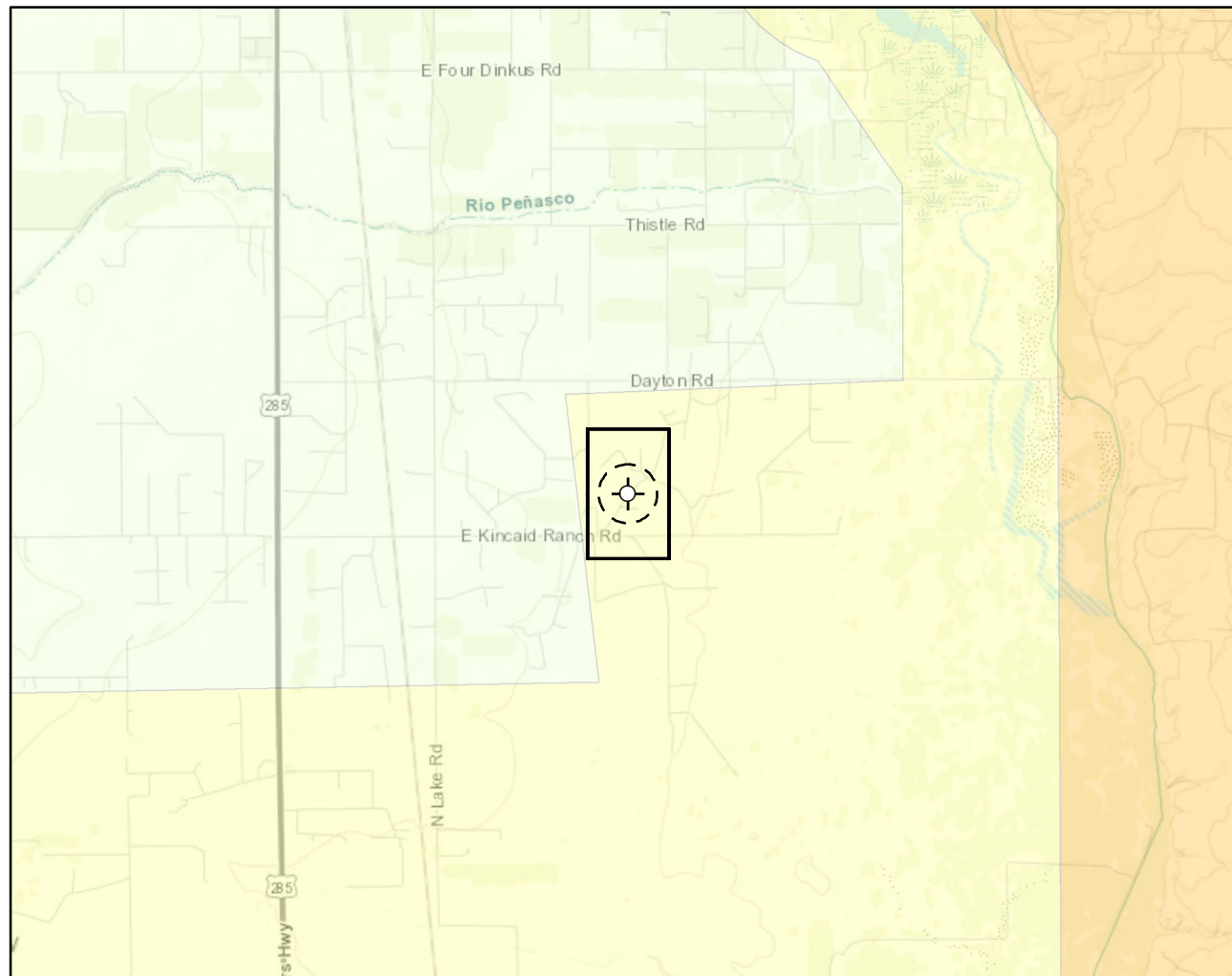


11/15/2021, 4:13:18 PM



Maxar, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Document Path: G:\Projects\US PROJECTS\EOG Resources Inc\21E-03278014 - Platt PA Battery\Fig X Karst Potential Platt PA Battery.mxd



Map Center:
Lat/Long: 32.715484, -104.357000

NAD 1983 UTM Zone 13N
Date: Nov 23/21



Karst Potential Map Platt PA Battery

FIGURE:

X



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

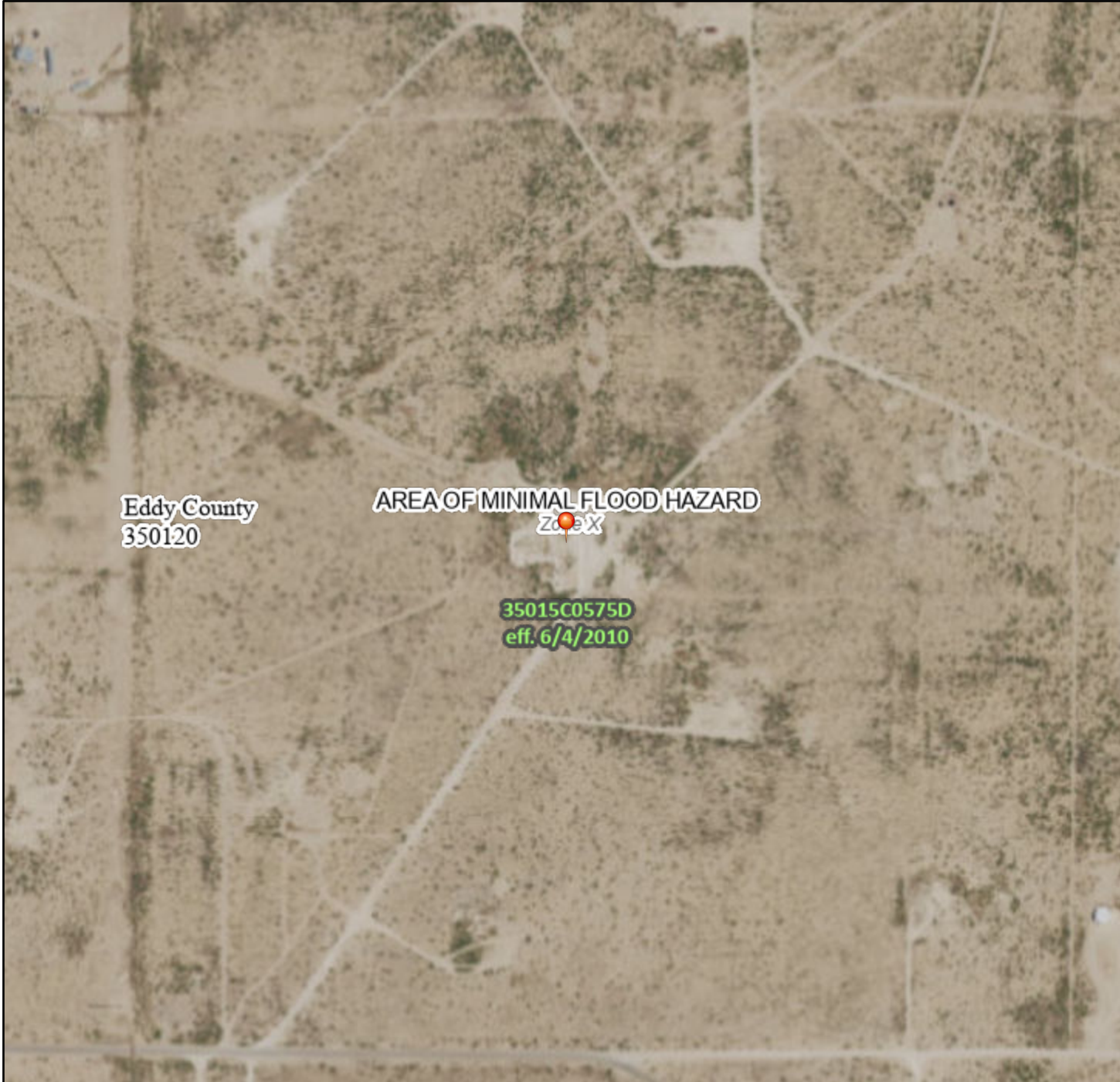
Note: Inset Map, ESRI 20XX; Overview Map: ESRI World Topographic

VERSATILITY. EXPERTISE.

National Flood Hazard Layer FIRMMette



104°21'45"W 32°43'11"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/15/2021 at 5:43 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

11/15/2021
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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 17, Sep 12, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

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.

Soil Map—Eddy Area, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rc	Reagan loam, 0 to 1 percent slopes	4.1	92.2%
Rd	Reagan loam, 1 to 3 percent slopes	0.3	7.8%
Totals for Area of Interest		4.4	100.0%



Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

Rc—Reagan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5l

Elevation: 1,100 to 5,300 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent

Minor components: 3 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Reagan

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021



Map Unit Description: Reagan loam, 1 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

Rd—Reagan loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5m

Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Reagan and similar soils: 98 percent

Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 82 inches: loam

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B

Map Unit Description: Reagan loam, 1 to 3 percent slopes---Eddy Area, New Mexico

Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

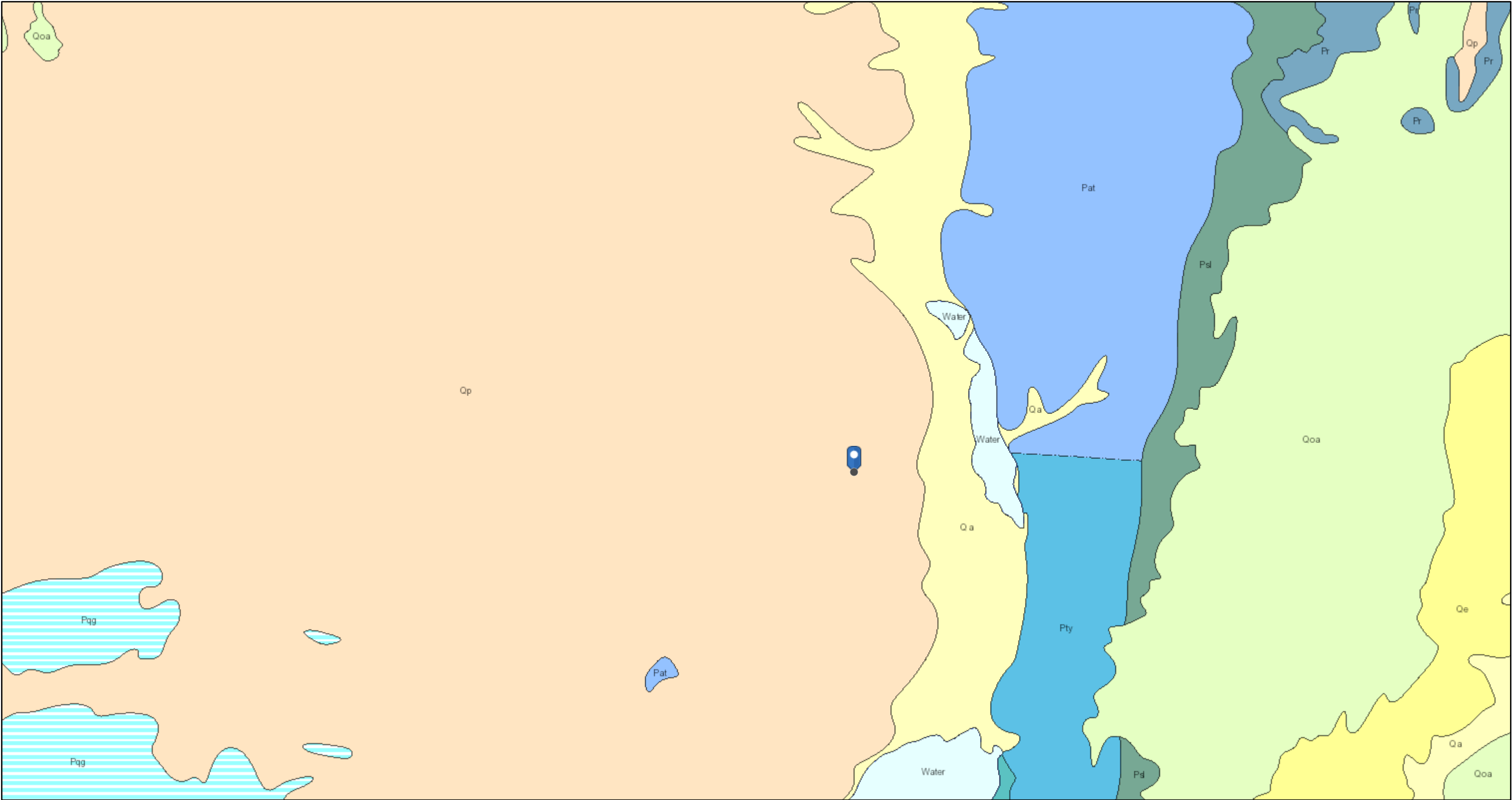
Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

Kleeman/Platt Battery



11/15/2021, 3:37:55 PM

1:144,448

Lithologic Contacts

— Contact, Exposed

— Contact, Gradational

— Nomenclature change

— Map Boundary

Faults

— Fault, Exposed

— Fault, Intermittent

--- Fault, Concealed

--- Shere Zone

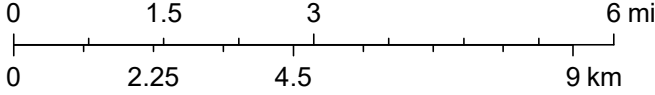
Dikes

— <all other values>

— Dike

— Dike intruding fault

* Volcanic Vents



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS

APPENDIX D – Daily Field Reports



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	5/22/2023
Site Location Name:	Platt PA Tank Battery	Report Run Date:	5/22/2023 11:39 PM
Client Contact Name:	Chase Settle	API #:	30-015-23906
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site 5/22/2023 5:05 PM

Departed Site 5/22/2023 5:40 PM

Field Notes

17:07 Arrived on and filled out JSA

17:34 Todays focus is to document the excavation that took place on site

Next Steps & Recommendations

1 Backfill

Daily Site Visit Report



Site Photos

Viewing Direction: Southwest



Descriptive Photo - 1
Viewing Direction: Southwest
Desc: South wall facing Southwest
Created: 5/22/2023 5:14:13 PM
Lat:32.715487, Long:-104.357323

South wall facing Southwest

Viewing Direction: West



Descriptive Photo - 10
Viewing Direction: West
Desc: Bottom of southern half of excavation
Facing Southwest
Created: 5/22/2023 5:57:50 PM
Lat:32.715486, Long:-104.357323

Bottom of southern half of excavation

Facing Southwest

Viewing Direction: Southwest



Descriptive Photo - 11
Viewing Direction: Southwest
Desc: Overview of the bottom of the excavation
Created: 5/22/2023 5:28:58 PM
Lat:32.715486, Long:-104.357323

Overview of the bottom of the excavation

Viewing Direction: West



Descriptive Photo - 9
Viewing Direction: West
Desc: Southern part of west wall facing west
Created: 5/22/2023 5:15:23 PM
Lat:32.715535, Long:-104.357315

Southern part of west wall facing west



Daily Site Visit Report

<p>Viewing Direction: West</p>  <p>Descriptive Photo - 3 Viewing Direction: West Topic: West wall Facing West Created: 5/22/2023 5:17:55 PM Lat: 32.715876, Long: -104.357346</p> <p>West wall Facing West</p>	<p>Viewing Direction: West</p>  <p>Descriptive Photo - 4 Viewing Direction: West Topic: Northern part of west wall Facing West Created: 5/22/2023 5:18:00 PM Lat: 32.715876, Long: -104.357346</p> <p>Northern part of west wall Facing West</p>
<p>Viewing Direction: Northwest</p>  <p>Descriptive Photo - 5 Viewing Direction: Northwest Topic: North wall Facing Northwest Created: 5/22/2023 5:18:46 PM Lat: 32.715876, Long: -104.357346</p> <p>North wall Facing Northwest</p>	<p>Viewing Direction: North</p>  <p>Descriptive Photo - 6 Viewing Direction: North Topic: Bottom of the northern area of excavation Facing Northwest Created: 5/22/2023 5:19:17 PM Lat: 32.715876, Long: -104.357346</p> <p>Bottom of the northern area of excavation Facing Northwest</p>



Daily Site Visit Report

Viewing Direction: Southwest



Bottom of the West side of the excavation

Facing southwest

Viewing Direction: Southwest



Bottom of southern half of excavation

Facing Southwest

Viewing Direction: Southwest



Bottom of southern half of excavation

Facing Southwest

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Jacob Reta

Signature:

A handwritten signature in black ink, consisting of several overlapping loops and strokes, written over a thin horizontal line. The signature is positioned to the right of the 'Signature:' label.



Daily Site Visit Report

Client:	EOG Resources Inc.	Inspection Date:	
Site Location Name:	Platt PA Tank Battery	Report Run Date:	11/1/2023 6:54 PM
Client Contact Name:	Chase Settle	API #:	30-015-23906
Client Contact Phone #:	575-703-6537		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site

Departed Site

Field Notes

- 8:36** Arrived on site and filled out paperwork. Talked to the BDS crew about tasks for the day. I will be collecting 4' base samples and if some need to be dug down, they will still be here for that.
- 10:41** Collected 5 base samples and all screened within criteria
- 11:30** Collected 5 more base samples. Screened within criteria for chlorides
- 12:32** All samples screened within criteria for tph. Jarred them up to send to lab

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: South



Facing south at the northwest corner of the excavation

Viewing Direction: South



Facing south at the northeast corner of the excavation

Viewing Direction: North



Facing north at the southeast corner of the excavation

Viewing Direction: North



Facing northeast at the southwest corner of the excavation



Daily Site Visit Report

Viewing Direction: West



Facing west at the midpoint of the East wall

Viewing Direction: East



Facing East at the midpoint of the west wall

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Angela Mohle

Signature:

APPENDIX E – Notifications

Monica Peppin

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: September 22, 2022 8:10 AM
To: Michael Moffitt
Cc: Monica Peppin
Subject: FW: Platt PA Tank Battery (NKMW0800950646, NKM0800950937, NKM0800949657)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, September 22, 2022 7:52 AM
To: Robert.Hamlet@emnrd.nm.gov; Mike.Bratcher@emnrd.nm.gov; Jennifer.Nobui@emnrd.nm.gov; Jocelyn.Harimon@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Tank Battery (NKMW0800950646, NKM0800950937, NKM0800949657)

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Tank Battery
K-26-18S-26E
Eddy County, NM
NKMW0800950646, NKM0800950937, NKM0800949657

Sampling will begin at 8:00 a.m. on Monday, September 26, 2022 and continue through Friday, September 30, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Tank Battery (NAB1727254031/2RP-4422) Sampling Notification
Date: February 16, 2023 7:38:55 AM
Attachments: [image001.png](#)

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Tank Battery
K-26-18S-26E
Eddy County, NM
NAB1727254031/2RP-4422

Sampling will begin at 8:30 a.m. on Monday, February 20, 2023, and continue through Friday, February 24, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NAB1727254031/2RP-4422) Sampling Notification
Date: February 23, 2023 8:08:45 AM
Attachments: [image001.png](#)

Good morning,

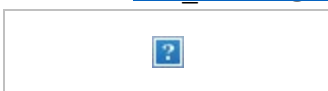
EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Tank Battery
K-16-18S-26E
Eddy County, NM
NAB1727254031/2RP-4422

Sampling will begin at 8:30 a.m. on Monday, February 27, 2023, and continue through Friday, March 3, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: March 2, 2023 6:05:13 AM
Attachments: [image001.png](#)

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:30 a.m. on Monday, March 6, 2023, and continue through Friday, March 10, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: March 9, 2023 5:23:34 AM
Attachments: [image001.png](#)

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:30 a.m. on Monday, March 13, 2023, and continue through Friday, March 17, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Miriam Morales](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: March 15, 2023 4:31:08 PM

Good afternoon,

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:30 a.m. on Monday, March 20, 2023, and continue through Friday, March 24, 2023.

Thank you,

Miriam Morales

From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: March 23, 2023 8:14:36 AM
Attachments: [image001.png](#)

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:30 a.m. on Monday, March 27, 2023, and continue through Friday, March 31, 2023.

Sorry, this is late.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Tina Huerta](#)
To: ocd.enviro@emnrd.nm.gov
Cc: [Artesia S&E Spill Remediation](#); [Artesia Regulatory](#)
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: March 30, 2023 8:00:10 AM
Attachments: [image001.png](#)

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:30 a.m. on Monday, April 3, 2023, and continue through Friday, April 7, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: September 22, 2023 8:42:16 AM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Friday, September 22, 2023 8:36 AM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Wednesday, September 27, 2023, and continue through Friday, September 29, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: September 27, 2023 2:05:19 PM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, September 27, 2023 2:02 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Monday, October 2, 2023, and continue through Friday, October 6, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: October 6, 2023 7:25:30 AM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 4, 2023 2:34 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Monday, October 9, 2023, and continue through Friday, October 13, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: October 12, 2023 10:32:34 AM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 11, 2023 2:27 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Monday, October 16, 2023, and continue through Friday, October 20, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: October 19, 2023 9:53:34 AM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, October 19, 2023 8:52 AM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 9:30 a.m. on Monday, October 23, 2023, and continue through Friday, October 27, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: October 25, 2023 1:18:37 PM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, October 25, 2023 1:17 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Monday, October 30, 2023, and continue through Friday, November 3, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: [Chase Settle](#)
To: [Chance Dixon](#)
Subject: FW: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification
Date: November 2, 2023 8:39:07 AM
Attachments: [image001.png](#)

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 1, 2023 4:47 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Platt PA Battery (NKMW0800950646, NKMW0800950937, NKMW0800949657) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Platt PA Battery
K-16-18S-26E
Eddy County, NM
NKMW0800950646, NKMW0800950937, NKMW0800949657

Sampling will begin at 8:00 a.m. on Monday, November 6, 2023, and continue through Friday, November 10, 2023.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



APPENDIX F – Laboratory Data Reports and Chain of Custody Forms



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

March 02, 2023

Chance Dixon

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Platt PA Battery

OrderNo.: 2302930

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 20 sample(s) on 2/22/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
Lab Order 2302930
Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-01 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:00:00 AM					
Lab ID: 2302930-001		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	270	59		mg/Kg	20	2/23/2023 11:01:09 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	15	10		mg/Kg	1	2/23/2023 12:11:37 PM	73319
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/23/2023 12:11:37 PM	73319
Surr: DNOP	93.5	69-147		%Rec	1	2/23/2023 12:11:37 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2023 12:30:00 PM	73304
Surr: BFB	114	37.7-212		%Rec	1	2/23/2023 12:30:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/23/2023 12:30:00 PM	73304
Toluene	ND	0.049		mg/Kg	1	2/23/2023 12:30:00 PM	73304
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2023 12:30:00 PM	73304
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2023 12:30:00 PM	73304
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	2/23/2023 12:30:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2302930

Date Reported: 3/2/2023

CLIENT: EOG		Client Sample ID: BS23-02 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:05:00 AM					
Lab ID: 2302930-002		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	540	60		mg/Kg	20	2/23/2023 11:38:22 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	20	8.6		mg/Kg	1	2/24/2023 2:31:36 PM	73319
Motor Oil Range Organics (MRO)	50	43		mg/Kg	1	2/24/2023 2:31:36 PM	73319
Sum: DNOP	127	69-147		%Rec	1	2/24/2023 2:31:36 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2023 1:29:00 PM	73304
Sum: BFB	94.4	37.7-212		%Rec	1	2/23/2023 1:29:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/23/2023 1:29:00 PM	73304
Toluene	ND	0.049		mg/Kg	1	2/23/2023 1:29:00 PM	73304
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2023 1:29:00 PM	73304
Xylenes, Total	ND	0.099		mg/Kg	1	2/23/2023 1:29:00 PM	73304
Sum: 4-Bromofluorobenzene	80.9	70-130		%Rec	1	2/23/2023 1:29:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-03 4ft	
Project: Platt PA Battery		Collection Date: 2/20/2023 9:10:00 AM	
Lab ID: 2302930-003		Received Date: 2/22/2023 7:30:00 AM	
Matrix: SOIL			
Analyses	Result	RL	Qual Units DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS			
Chloride	76	60	mg/Kg 20 2/23/2023 12:40:24 PM 73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS			
Diesel Range Organics (DRO)	25	8.9	mg/Kg 1 2/28/2023 10:15:59 AM 73319
Motor Oil Range Organics (MRO)	50	44	mg/Kg 1 2/28/2023 10:15:59 AM 73319
Surr: DNOP	105	69-147	%Rec 1 2/28/2023 10:15:59 AM 73319
EPA METHOD 8015D: GASOLINE RANGE			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg 1 2/23/2023 2:28:00 PM 73304
Surr: BFB	100	37.7-212	%Rec 1 2/23/2023 2:28:00 PM 73304
EPA METHOD 8021B: VOLATILES			
Benzene	ND	0.024	mg/Kg 1 2/23/2023 2:28:00 PM 73304
Toluene	ND	0.049	mg/Kg 1 2/23/2023 2:28:00 PM 73304
Ethylbenzene	ND	0.049	mg/Kg 1 2/23/2023 2:28:00 PM 73304
Xylenes, Total	ND	0.098	mg/Kg 1 2/23/2023 2:28:00 PM 73304
Surr: 4-Bromofluorobenzene	82.1	70-130	%Rec 1 2/23/2023 2:28:00 PM 73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
Lab Order 2302930
Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-04 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:15:00 AM					
Lab ID: 2302930-004		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	3000	150		mg/Kg	50	2/24/2023 8:30:22 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	110	18		mg/Kg	2	2/23/2023 3:36:47 PM	73319
Motor Oil Range Organics (MRO)	210	92		mg/Kg	2	2/23/2023 3:36:47 PM	73319
Surr: DNOP	97.0	69-147		%Rec	2	2/23/2023 3:36:47 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2023 2:48:00 PM	73304
Surr: BFB	96.5	37.7-212		%Rec	1	2/23/2023 2:48:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/23/2023 2:48:00 PM	73304
Toluene	ND	0.048		mg/Kg	1	2/23/2023 2:48:00 PM	73304
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2023 2:48:00 PM	73304
Xylenes, Total	ND	0.096		mg/Kg	1	2/23/2023 2:48:00 PM	73304
Surr: 4-Bromofluorobenzene	77.7	70-130		%Rec	1	2/23/2023 2:48:00 PM	73304

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Analytical Report
Lab Order 2302930
Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-05 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:20:00 AM					
Lab ID: 2302930-005		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							
Chloride	210	60		mg/Kg	20	2/23/2023 1:05:12 PM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							
Diesel Range Organics (DRO)	23	9.1		mg/Kg	1	2/26/2023 2:48:33 PM	73319
Motor Oil Range Organics (MRO)	81	46		mg/Kg	1	2/26/2023 2:48:33 PM	73319
Surr: DNOP	93.2	69-147		%Rec	1	2/26/2023 2:48:33 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2023 3:08:00 PM	73304
Surr: BFB	94.9	37.7-212		%Rec	1	2/23/2023 3:08:00 PM	73304
EPA METHOD 8021B: VOLATILES							
Benzene	ND	0.024		mg/Kg	1	2/23/2023 3:08:00 PM	73304
Toluene	ND	0.047		mg/Kg	1	2/23/2023 3:08:00 PM	73304
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2023 3:08:00 PM	73304
Xylenes, Total	ND	0.095		mg/Kg	1	2/23/2023 3:08:00 PM	73304
Surr: 4-Bromofluorobenzene	79.4	70-130		%Rec	1	2/23/2023 3:08:00 PM	73304

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302930

Date Reported: 3/2/2023

CLIENT: EOG		Client Sample ID: BS23-06 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:25:00 AM					
Lab ID: 2302930-006		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	6900	300		mg/Kg	100	2/24/2023 8:42:43 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	74	9.8		mg/Kg	1	2/23/2023 12:24:10 PM	73319
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	2/23/2023 12:24:10 PM	73319
Surr: DNOP	108	69-147		%Rec	1	2/23/2023 12:24:10 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2023 3:27:00 PM	73304
Surr: BFB	97.7	37.7-212		%Rec	1	2/23/2023 3:27:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	2/23/2023 3:27:00 PM	73304
Toluene	ND	0.047		mg/Kg	1	2/23/2023 3:27:00 PM	73304
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2023 3:27:00 PM	73304
Xylenes, Total	ND	0.094		mg/Kg	1	2/23/2023 3:27:00 PM	73304
Surr: 4-Bromofluorobenzene	79.2	70-130		%Rec	1	2/23/2023 3:27:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-07 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:30:00 AM					
Lab ID: 2302930-007		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	6200	300		mg/Kg	100	2/24/2023 8:55:04 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	510	96		mg/Kg	10	2/23/2023 4:40:56 PM	73319
Motor Oil Range Organics (MRO)	910	480		mg/Kg	10	2/23/2023 4:40:56 PM	73319
Surr: DNOP	0	69-147	S	%Rec	10	2/23/2023 4:40:56 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/23/2023 3:47:00 PM	73304
Surr: BFB	98.1	37.7-212		%Rec	5	2/23/2023 3:47:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/23/2023 3:47:00 PM	73304
Toluene	ND	0.25		mg/Kg	5	2/23/2023 3:47:00 PM	73304
Ethylbenzene	ND	0.25		mg/Kg	5	2/23/2023 3:47:00 PM	73304
Xylenes, Total	ND	0.50		mg/Kg	5	2/23/2023 3:47:00 PM	73304
Surr: 4-Bromofluorobenzene	79.6	70-130		%Rec	5	2/23/2023 3:47:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B
D	Sample Diluted Due to Matrix	E
H	Holding times for preparation or analysis exceeded	J
ND	Not Detected at the Reporting Limit	P
PQL	Practical Quantitative Limit	RL
S	% Recovery outside of standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-08 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:35:00 AM					
Lab ID: 2302930-008		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2400	150		mg/Kg	50	2/24/2023 9:07:26 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	270	48		mg/Kg	5	2/23/2023 5:16:43 PM	73319
Motor Oil Range Organics (MRO)	570	240		mg/Kg	5	2/23/2023 5:16:43 PM	73319
Surr: DNOP	104	69-147		%Rec	5	2/23/2023 5:16:43 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/23/2023 4:07:00 PM	73304
Surr: BFB	99.8	37.7-212		%Rec	5	2/23/2023 4:07:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/23/2023 4:07:00 PM	73304
Toluene	ND	0.24		mg/Kg	5	2/23/2023 4:07:00 PM	73304
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2023 4:07:00 PM	73304
Xylenes, Total	ND	0.49		mg/Kg	5	2/23/2023 4:07:00 PM	73304
Surr: 4-Bromofluorobenzene	82.3	70-130		%Rec	5	2/23/2023 4:07:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-09 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:40:00 AM					
Lab ID: 2302930-009		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5200	300		mg/Kg	100	2/24/2023 9:19:46 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	140	49		mg/Kg	5	2/23/2023 5:38:00 PM	73319
Motor Oil Range Organics (MRO)	310	240		mg/Kg	5	2/23/2023 5:38:00 PM	73319
Surr: DNOP	87.3	69-147		%Rec	5	2/23/2023 5:38:00 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2023 10:20:00 PM	73304
Surr: BFB	100	37.7-212		%Rec	1	2/23/2023 10:20:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	2/27/2023 10:34:10 AM	73304
Toluene	ND	0.047		mg/Kg	1	2/27/2023 10:34:10 AM	73304
Ethylbenzene	ND	0.047		mg/Kg	1	2/27/2023 10:34:10 AM	73304
Xylenes, Total	ND	0.093		mg/Kg	1	2/27/2023 10:34:10 AM	73304
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	2/27/2023 10:34:10 AM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-10 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:45:00 AM					
Lab ID: 2302930-010		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5300	300		mg/Kg	100	2/24/2023 9:32:07 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	170	44		mg/Kg	5	2/23/2023 5:59:14 PM	73319
Motor Oil Range Organics (MRO)	280	220		mg/Kg	5	2/23/2023 5:59:14 PM	73319
Surr: DNOP	87.0	69-147		%Rec	5	2/23/2023 5:59:14 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2023 4:46:00 PM	73304
Surr: BFB	108	37.7-212		%Rec	1	2/23/2023 4:46:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/23/2023 4:46:00 PM	73304
Toluene	ND	0.047		mg/Kg	1	2/23/2023 4:46:00 PM	73304
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2023 4:46:00 PM	73304
Xylenes, Total	ND	0.095		mg/Kg	1	2/23/2023 4:46:00 PM	73304
Surr: 4-Bromofluorobenzene	77.6	70-130		%Rec	1	2/23/2023 4:46:00 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B
D	Sample Diluted Due to Matrix	E
H	Holding times for preparation or analysis exceeded	J
ND	Not Detected at the Reporting Limit	P
PQL	Practical Quantitative Limit	RL
S	% Recovery outside of standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-11 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 9:50:00 AM					
Lab ID: 2302930-011		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5000	150		mg/Kg	50	2/24/2023 9:44:27 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	170	19		mg/Kg	2	2/23/2023 6:20:23 PM	73319
Motor Oil Range Organics (MRO)	250	97		mg/Kg	2	2/23/2023 6:20:23 PM	73319
Surr: DNOP	98.3	69-147		%Rec	2	2/23/2023 6:20:23 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2023 5:25:00 PM	73304
Surr: BFB	97.8	37.7-212		%Rec	1	2/23/2023 5:25:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/27/2023 10:57:36 AM	73304
Toluene	ND	0.049		mg/Kg	1	2/27/2023 10:57:36 AM	73304
Ethylbenzene	ND	0.049		mg/Kg	1	2/27/2023 10:57:36 AM	73304
Xylenes, Total	ND	0.099		mg/Kg	1	2/27/2023 10:57:36 AM	73304
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	2/27/2023 10:57:36 AM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-12 4ft	
Project: Platt PA Battery		Collection Date: 2/20/2023 9:55:00 AM	
Lab ID: 2302930-012		Received Date: 2/22/2023 7:30:00 AM	
Matrix: SOIL			
Analyses	Result	RL	Qual Units DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS			
Chloride	5200	300	mg/Kg 100 2/24/2023 9:56:48 AM 73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS			
Diesel Range Organics (DRO)	200	18	mg/Kg 2 2/23/2023 6:41:29 PM 73319
Motor Oil Range Organics (MRO)	320	92	mg/Kg 2 2/23/2023 6:41:29 PM 73319
Surr: DNOP	95.4	69-147	%Rec 2 2/23/2023 6:41:29 PM 73319
EPA METHOD 8015D: GASOLINE RANGE			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg 1 2/23/2023 5:44:00 PM 73304
Surr: BFB	92.5	37.7-212	%Rec 1 2/23/2023 5:44:00 PM 73304
EPA METHOD 8021B: VOLATILES			
Benzene	ND	0.025	mg/Kg 1 2/27/2023 11:21:03 AM 73304
Toluene	ND	0.050	mg/Kg 1 2/27/2023 11:21:03 AM 73304
Ethylbenzene	ND	0.050	mg/Kg 1 2/27/2023 11:21:03 AM 73304
Xylenes, Total	ND	0.099	mg/Kg 1 2/27/2023 11:21:03 AM 73304
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec 1 2/27/2023 11:21:03 AM 73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-13 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 10:00:00 AM					
Lab ID: 2302930-013		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5900	300		mg/Kg	100	2/24/2023 10:09:09 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	79	9.6		mg/Kg	1	2/28/2023 3:16:19 PM	73319
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	2/28/2023 3:16:19 PM	73319
Surr: DNOP	83.8	69-147		%Rec	1	2/28/2023 3:16:19 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2023 6:04:00 PM	73304
Surr: BFB	102	37.7-212		%Rec	1	2/23/2023 6:04:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/27/2023 11:44:36 AM	73304
Toluene	ND	0.049		mg/Kg	1	2/27/2023 11:44:36 AM	73304
Ethylbenzene	ND	0.049		mg/Kg	1	2/27/2023 11:44:36 AM	73304
Xylenes, Total	ND	0.098		mg/Kg	1	2/27/2023 11:44:36 AM	73304
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	2/27/2023 11:44:36 AM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2302930

Date Reported: 3/2/2023

CLIENT: EOG		Client Sample ID: BS23-14 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 10:05:00 AM					
Lab ID: 2302930-014		Matrix: SOIL		Received Date: 2/22/2023 7:30:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5000	300		mg/Kg	100	2/24/2023 10:21:29 AM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	80	18		mg/Kg	2	2/24/2023 12:55:46 PM	73319
Motor Oil Range Organics (MRO)	110	88		mg/Kg	2	2/24/2023 12:55:46 PM	73319
Surr: DNOP	110	69-147		%Rec	2	2/24/2023 12:55:46 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2023 6:24:00 PM	73304
Surr: BFB	101	37.7-212		%Rec	1	2/23/2023 6:24:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/27/2023 12:08:08 PM	73304
Toluene	ND	0.050		mg/Kg	1	2/27/2023 12:08:08 PM	73304
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2023 12:08:08 PM	73304
Xylenes, Total	ND	0.099		mg/Kg	1	2/27/2023 12:08:08 PM	73304
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	2/27/2023 12:08:08 PM	73304

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

Qualifier:	* Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-15 4ft	
Project: Platt PA Battery		Collection Date: 2/20/2023 10:10:00 AM	
Lab ID: 2302930-015		Received Date: 2/22/2023 7:30:00 AM	
Matrix: SOIL			
Analyses	Result	RL	Qual Units DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS			
Chloride	10000	600	mg/Kg 200 2/24/2023 10:58:32 AM 73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS			
Diesel Range Organics (DRO)	74	9.8	mg/Kg 1 2/24/2023 2:55:36 PM 73319
Motor Oil Range Organics (MRO)	160	49	mg/Kg 1 2/24/2023 2:55:36 PM 73319
Surr: DNOP	130	69-147	%Rec 1 2/24/2023 2:55:36 PM 73319
EPA METHOD 8015D: GASOLINE RANGE			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg 1 2/23/2023 6:44:00 PM 73304
Surr: BFB	99.5	37.7-212	%Rec 1 2/23/2023 6:44:00 PM 73304
EPA METHOD 8021B: VOLATILES			
Benzene	ND	0.025	mg/Kg 1 2/27/2023 12:31:53 PM 73304
Toluene	ND	0.049	mg/Kg 1 2/27/2023 12:31:53 PM 73304
Ethylbenzene	ND	0.049	mg/Kg 1 2/27/2023 12:31:53 PM 73304
Xylenes, Total	ND	0.098	mg/Kg 1 2/27/2023 12:31:53 PM 73304
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec 1 2/27/2023 12:31:53 PM 73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-16 4ft	
Project: Platt PA Battery		Collection Date: 2/20/2023 10:15:00 AM	
Lab ID: 2302930-016		Received Date: 2/22/2023 7:30:00 AM	
Matrix: SOIL			
Analyses	Result	RL	Qual Units DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS			
Chloride	5200	300	mg/Kg 100 2/24/2023 11:10:53 AM 73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS			
Diesel Range Organics (DRO)	160	9.7	mg/Kg 1 2/26/2023 4:09:45 PM 73319
Motor Oil Range Organics (MRO)	220	48	mg/Kg 1 2/26/2023 4:09:45 PM 73319
Surr: DNOP	133	69-147	%Rec 1 2/26/2023 4:09:45 PM 73319
EPA METHOD 8015D: GASOLINE RANGE			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg 1 2/23/2023 7:03:00 PM 73304
Surr: BFB	97.7	37.7-212	%Rec 1 2/23/2023 7:03:00 PM 73304
EPA METHOD 8021B: VOLATILES			
Benzene	ND	0.024	mg/Kg 1 2/27/2023 12:55:36 PM 73304
Toluene	ND	0.049	mg/Kg 1 2/27/2023 12:55:36 PM 73304
Ethylbenzene	ND	0.049	mg/Kg 1 2/27/2023 12:55:36 PM 73304
Xylenes, Total	ND	0.097	mg/Kg 1 2/27/2023 12:55:36 PM 73304
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec 1 2/27/2023 12:55:36 PM 73304

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

CLIENT: EOG		Client Sample ID: BS23-17 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 10:20:00 AM					
Lab ID: 2302930-017		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	87	60		mg/Kg	20	2/23/2023 3:58:54 PM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	2/23/2023 4:19:32 PM	73319
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2023 4:19:32 PM	73319
Surr: DNOP	93.6	69-147		%Rec	1	2/23/2023 4:19:32 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/23/2023 7:23:00 PM	73304
Surr: BFB	102	37.7-212		%Rec	1	2/23/2023 7:23:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	2/27/2023 1:19:23 PM	73304
Toluene	ND	0.046		mg/Kg	1	2/27/2023 1:19:23 PM	73304
Ethylbenzene	ND	0.046		mg/Kg	1	2/27/2023 1:19:23 PM	73304
Xylenes, Total	ND	0.092		mg/Kg	1	2/27/2023 1:19:23 PM	73304
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	2/27/2023 1:19:23 PM	73304

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2302930

Date Reported: 3/2/2023

CLIENT: EOG		Client Sample ID: BS23-18 4ft					
Project: Platt PA Battery		Collection Date: 2/20/2023 10:25:00 AM					
Lab ID: 2302930-018		Matrix: SOIL	Received Date: 2/22/2023 7:30:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	62	60		mg/Kg	20	2/23/2023 4:11:19 PM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	29	10		mg/Kg	1	2/23/2023 7:23:27 PM	73319
Motor Oil Range Organics (MRO)	68	50		mg/Kg	1	2/23/2023 7:23:27 PM	73319
Surr: DNOP	93.1	69-147		%Rec	1	2/23/2023 7:23:27 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2023 7:43:00 PM	73304
Surr: BFB	98.8	37.7-212		%Rec	1	2/23/2023 7:43:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	2/27/2023 1:43:15 PM	73304
Toluene	ND	0.050		mg/Kg	1	2/27/2023 1:43:15 PM	73304
Ethylbenzene	ND	0.050		mg/Kg	1	2/27/2023 1:43:15 PM	73304
Xylenes, Total	ND	0.10		mg/Kg	1	2/27/2023 1:43:15 PM	73304
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	2/27/2023 1:43:15 PM	73304

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2302930

Date Reported: 3/2/2023

CLIENT: EOG**Client Sample ID:** BS23-19 4ft**Project:** Platt PA Battery**Collection Date:** 2/20/2023 10:30:00 AM**Lab ID:** 2302930-019**Matrix:** SOIL**Received Date:** 2/22/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	99	60		mg/Kg	20	2/23/2023 4:23:44 PM	73338
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	21	9.6		mg/Kg	1	2/24/2023 3:43:29 PM	73319
Motor Oil Range Organics (MRO)	57	48		mg/Kg	1	2/24/2023 3:43:29 PM	73319
Surr: DNOP	100	69-147		%Rec	1	2/24/2023 3:43:29 PM	73319
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2023 6:03:00 PM	73304
Surr: BFB	98.3	37.7-212		%Rec	1	2/23/2023 6:03:00 PM	73304
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	2/27/2023 2:07:07 PM	73304
Toluene	ND	0.049		mg/Kg	1	2/27/2023 2:07:07 PM	73304
Ethylbenzene	ND	0.049		mg/Kg	1	2/27/2023 2:07:07 PM	73304
Xylenes, Total	ND	0.098		mg/Kg	1	2/27/2023 2:07:07 PM	73304
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	2/27/2023 2:07:07 PM	73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report
 Lab Order 2302930
 Date Reported: 3/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BS23-20 4ft	
Project: Platt PA Battery		Collection Date: 2/20/2023 10:35:00 AM	
Lab ID: 2302930-020		Received Date: 2/22/2023 7:30:00 AM	
Matrix: SOIL			
Analyses	Result	RL	Qual Units DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS			
Chloride	77	60	mg/Kg 20 2/23/2023 6:52:37 PM 73347
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS			
Diesel Range Organics (DRO)	18	9.8	mg/Kg 1 2/24/2023 3:54:11 PM 73319
Motor Oil Range Organics (MRO)	ND	49	mg/Kg 1 2/24/2023 3:54:11 PM 73319
Surr: DNOP	120	69-147	%Rec 1 2/24/2023 3:54:11 PM 73319
EPA METHOD 8015D: GASOLINE RANGE			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg 1 2/23/2023 8:22:00 PM 73304
Surr: BFB	96.0	37.7-212	%Rec 1 2/23/2023 8:22:00 PM 73304
EPA METHOD 8021B: VOLATILES			
Benzene	ND	0.024	mg/Kg 1 2/27/2023 2:54:15 PM 73304
Toluene	ND	0.049	mg/Kg 1 2/27/2023 2:54:15 PM 73304
Ethylbenzene	ND	0.049	mg/Kg 1 2/27/2023 2:54:15 PM 73304
Xylenes, Total	ND	0.097	mg/Kg 1 2/27/2023 2:54:15 PM 73304
Surr: 4-Bromofluorobenzene	92.8	70-130	%Rec 1 2/27/2023 2:54:15 PM 73304

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2302930

02-Mar-23

Client: EOG
Project: Platt PA Battery

Sample ID: MB-73338	SampType: mblik	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73338	RunNo: 94838								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428253 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-73338	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCS\$	Batch ID: 73338	RunNo: 94838								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428254 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Sample ID: MB-73347	SampType: mblik	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73347	RunNo: 94838								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428303 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73347	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCS\$	Batch ID: 73347	RunNo: 94838								
Prep Date: 2/23/2023	Analysis Date: 2/23/2023	SeqNo: 3428304 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2302930

02-Mar-23

Client: EOG**Project:** Platt PA Battery

Sample ID: LCS-73319	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73319	RunNo: 94848								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427959 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.3	61.9	130			
Surr: DNOP	4.1		5.000		82.4	69	147			

Sample ID: MB-73319	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73319	RunNo: 94848								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3427962 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.6	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2302930

02-Mar-23

Client: EOG

Project: Platt PA Battery

Sample ID: lca-73304	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC\$	Batch ID: 73304	RunNo: 94853								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3428438 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2300		1000		228	37.7	212			S

Sample ID: mb-73304	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73304	RunNo: 94853								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3428440 Units: mg/Kg								
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	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2302930

02-Mar-23

Client: EOG
Project: Platt PA Battery

Sample ID: lcs-73304	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73304	RunNo: 94853								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3428437 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.8	80	120			
Toluene	0.87	0.050	1.000	0	86.6	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.7	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.4	70	130			

Sample ID: mb-73304	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73304	RunNo: 94853								
Prep Date: 2/22/2023	Analysis Date: 2/23/2023	SeqNo: 3428441 Units: mg/Kg								
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	0.85		1.000		85.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory
1901 Hawkins Rd
Allentown, PA 18106
TEL: 610-645-4271 FAX: 610-645-4167
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2302933 Rep/Mo: 1

Received By: Juan Rojas 2/22/2023 7:30:00 AM

Completed By: Tracy Casarubias 2/22/2023 8:04:27 AM

Reviewed By:

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present: ☐

2. How was the sample delivered? Courier

Log In

3. Was an alternate made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and DMS) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 ml with headspace $<1.5"$ for AO VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are bottles correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved bottles checked for pH:
 Adjusted?
 Checked by: jn 2/22/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good	Yes	None		

Chain-of-Custody Record				Turn-Around Time:			
Client: <u>506 Resources</u>		LJ Standard: <u>Rush</u>		<u>48 hr</u>			
Mailing Address: <u>(Vertex)</u>		Project Name: <u>Platt RA Battery</u>					
Phone #: <u>On file</u>		Project #: <u>215-0023-14</u>					
Email or Fax: <u></u>		Project Manager: <u>Chance Dixon</u>					
QA/QC Package: <u>Level 4 (Full Validation)</u>		Sampler: <u>Remando Rodriguez</u>					
Accreditation: <u>NFLAC</u>		On Job: <u>Yes</u>					
C EDD (Type)		# of Containers: <u>10</u>					
		Cooler Temp: <u>4.4°C</u>					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	
12/10	10:00	Soil	8523-13 4ft	402 jar	UCL	2302980	
	10:05		8523-14 4ft			013	
	10:10		8523-15 4ft			014	
	10:15		8523-16 4ft			015	
	10:20		8523-17 4ft			016	
	10:25		8523-18 4ft			017	
	10:30		8523-19 4ft			018	
	10:35		8523-20 4ft			019	
						020	
Date: <u>12/10/23</u>		Requested by: <u>Chance Dixon</u>		Received by: <u>Remando Rodriguez</u>		Date: <u>12/10/23</u>	
Time: <u>10:00</u>		Requisitioned by: <u>Chance Dixon</u>		Retrieved by: <u>Remando Rodriguez</u>		Time: <u>09:15</u>	
Date: <u>12/10/23</u>		Requisitioned by: <u>Chance Dixon</u>		Retrieved by: <u>Remando Rodriguez</u>		Time: <u>09:15</u>	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4301 Highway NE - Albuquerque, NM 87108

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

Analysis Request

TPH, BOD, GAO, DRG, MRO
8081 Pesticides/8082 PCBs
EDR (Method 504.1)
PAHs by EPA 8270/MS
RCRA 8 Metals
CO, F, Br, NO₂, NO₃, PO₄, SO₄
8270 (Semi-VOA)
8260 (VOA)
Total Coliform (Present/Absent)

Remarks: Chance Dixon for Remando Rodriguez
Direct Bill to EOG

If necessary, sample as submitted. Hall Environmental may be responsible for additional analysis. This analysis is subject to the terms and conditions of the contract.



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

March 31, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Platt PA Battery

OrderNo.: 2303C36

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/24/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: BS23-21 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 9:00:00 AM					
Lab ID: 2303C36-001		Matrix: SOIL		Received Date: 3/24/2023 7:25:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2400	150		mg/Kg	50	3/28/2023 10:56:16 AM	73947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	93	9.7		mg/Kg	1	3/29/2023 2:32:41 PM	73997
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	3/29/2023 2:32:41 PM	73997
Sum: DNOP	92.9	69-147		%Rec	1	3/29/2023 2:32:41 PM	73997
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2023 1:48:00 AM	73922
Sum: BFB	86.1	37.7-212		%Rec	1	3/28/2023 1:48:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 1:48:00 AM	73922
Toluene	ND	0.049		mg/Kg	1	3/28/2023 1:48:00 AM	73922
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2023 1:48:00 AM	73922
Xylenes, Total	ND	0.099		mg/Kg	1	3/28/2023 1:48:00 AM	73922
Sum: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	3/28/2023 1:48:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: BS23-22 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 9:05:00 AM					
Lab ID: 2303C36-002		Matrix: SOIL	Received Date: 3/24/2023 7:25:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2400	150		mg/Kg	50	3/28/2023 11:08:37 AM	73947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	77	10		mg/Kg	1	3/29/2023 2:54:09 PM	73997
Motor Oil Range Organics (MRO)	110	52		mg/Kg	1	3/29/2023 2:54:09 PM	73997
Sum: DNOP	93.4	69-147		%Rec	1	3/29/2023 2:54:09 PM	73997
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/28/2023 2:09:00 AM	73922
Sum: BFB	88.8	37.7-212		%Rec	1	3/28/2023 2:09:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	3/28/2023 2:09:00 AM	73922
Toluene	ND	0.047		mg/Kg	1	3/28/2023 2:09:00 AM	73922
Ethylbenzene	ND	0.047		mg/Kg	1	3/28/2023 2:09:00 AM	73922
Xylenes, Total	ND	0.094		mg/Kg	1	3/28/2023 2:09:00 AM	73922
Sum: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/28/2023 2:09:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BS23-23 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 9:10:00 AM

Lab ID: 2303C36-003

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3300	150		mg/Kg	50	3/28/2023 11:20:58 AM	73947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	100	9.8		mg/Kg	1	3/28/2023 5:19:48 PM	73950
Motor Oil Range Organics (MRO)	120	49		mg/Kg	1	3/28/2023 5:19:48 PM	73950
Sum: DNOP	86.4	69-147		%Rec	1	3/28/2023 5:19:48 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2023 2:31:00 AM	73922
Sum: BFB	88.1	37.7-212		%Rec	1	3/28/2023 2:31:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 2:31:00 AM	73922
Toluene	ND	0.049		mg/Kg	1	3/28/2023 2:31:00 AM	73922
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2023 2:31:00 AM	73922
Xylenes, Total	ND	0.098		mg/Kg	1	3/28/2023 2:31:00 AM	73922
Sum: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	3/28/2023 2:31:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BS23-24 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 9:15:00 AM

Lab ID: 2303C36-004

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	3/28/2023 11:33:19 AM	73947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	170	10		mg/Kg	1	3/28/2023 4:01:02 PM	73950
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	3/28/2023 4:01:02 PM	73950
Sum: DNOP	83.6	69-147		%Rec	1	3/28/2023 4:01:02 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 2:52:00 AM	73922
Sum: BFB	87.9	37.7-212		%Rec	1	3/28/2023 2:52:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	3/28/2023 2:52:00 AM	73922
Toluene	ND	0.048		mg/Kg	1	3/28/2023 2:52:00 AM	73922
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 2:52:00 AM	73922
Xylenes, Total	ND	0.096		mg/Kg	1	3/28/2023 2:52:00 AM	73922
Sum: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	3/28/2023 2:52:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: BS23-25 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 9:20:00 AM					
Lab ID: 2303C36-005		Matrix: SOIL	Received Date: 3/24/2023 7:25:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5600	300		mg/Kg	100	3/28/2023 11:45:40 AM	73947
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	100	9.6		mg/Kg	1	3/29/2023 2:09:35 PM	73950
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	3/29/2023 2:09:35 PM	73950
Sum: DNOP	90.5	69-147		%Rec	1	3/29/2023 2:09:35 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 3:14:00 AM	73922
Sum: BFB	88.0	37.7-212		%Rec	1	3/28/2023 3:14:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	3/28/2023 3:14:00 AM	73922
Toluene	ND	0.048		mg/Kg	1	3/28/2023 3:14:00 AM	73922
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 3:14:00 AM	73922
Xylenes, Total	ND	0.097		mg/Kg	1	3/28/2023 3:14:00 AM	73922
Sum: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/28/2023 3:14:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BS23-26 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 9:25:00 AM

Lab ID: 2303C36-006

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5600	300		mg/Kg	100	3/28/2023 11:58:01 AM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	190	10		mg/Kg	1	3/28/2023 4:54:11 PM	73950
Motor Oil Range Organics (MRO)	190	51		mg/Kg	1	3/28/2023 4:54:11 PM	73950
Sum: DNOP	95.8	69-147		%Rec	1	3/28/2023 4:54:11 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2023 3:35:00 AM	73922
Sum: BFB	86.6	37.7-212		%Rec	1	3/28/2023 3:35:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 3:35:00 AM	73922
Toluene	ND	0.049		mg/Kg	1	3/28/2023 3:35:00 AM	73922
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2023 3:35:00 AM	73922
Xylenes, Total	ND	0.099		mg/Kg	1	3/28/2023 3:35:00 AM	73922
Sum: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	3/28/2023 3:35:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BS23-27 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 9:30:00 AM

Lab ID: 2303C36-007

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	3/28/2023 12:10:22 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/28/2023 1:09:06 PM	73950
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/28/2023 1:09:06 PM	73950
Sum: DNOP	86.6	69-147		%Rec	1	3/28/2023 1:09:06 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/28/2023 3:57:00 AM	73922
Sum: BFB	89.5	37.7-212		%Rec	1	3/28/2023 3:57:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	3/28/2023 3:57:00 AM	73922
Toluene	ND	0.047		mg/Kg	1	3/28/2023 3:57:00 AM	73922
Ethylbenzene	ND	0.047		mg/Kg	1	3/28/2023 3:57:00 AM	73922
Xylenes, Total	ND	0.094		mg/Kg	1	3/28/2023 3:57:00 AM	73922
Sum: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	3/28/2023 3:57:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: BS23-28 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 9:35:00 AM					
Lab ID: 2303C36-008		Matrix: SOIL	Received Date: 3/24/2023 7:25:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6100	300		mg/Kg	100	3/28/2023 12:22:42 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	220	9.5		mg/Kg	1	3/28/2023 5:15:33 PM	73950
Motor Oil Range Organics (MRO)	220	47		mg/Kg	1	3/28/2023 5:15:33 PM	73950
Sum: DNOP	84.4	69-147		%Rec	1	3/28/2023 5:15:33 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 4:18:00 AM	73922
Sum: BFB	84.9	37.7-212		%Rec	1	3/28/2023 4:18:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	3/28/2023 4:18:00 AM	73922
Toluene	ND	0.048		mg/Kg	1	3/28/2023 4:18:00 AM	73922
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 4:18:00 AM	73922
Xylenes, Total	ND	0.095		mg/Kg	1	3/28/2023 4:18:00 AM	73922
Sum: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	3/28/2023 4:18:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BS23-29 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 9:40:00 AM

Lab ID: 2303C36-009

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1200	60		mg/Kg	20	3/27/2023 7:50:45 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	860	98		mg/Kg	10	3/28/2023 1:41:06 PM	73950
Motor Oil Range Organics (MRO)	620	490		mg/Kg	10	3/28/2023 1:41:06 PM	73950
Sum: DNOP	0	69-147	S	%Rec	10	3/28/2023 1:41:06 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/28/2023 4:40:00 AM	73922
Sum: BFB	89.2	37.7-212		%Rec	1	3/28/2023 4:40:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 4:40:00 AM	73922
Toluene	ND	0.050		mg/Kg	1	3/28/2023 4:40:00 AM	73922
Ethylbenzene	ND	0.050		mg/Kg	1	3/28/2023 4:40:00 AM	73922
Xylenes, Total	ND	0.099		mg/Kg	1	3/28/2023 4:40:00 AM	73922
Sum: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	3/28/2023 4:40:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: BS23-30 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 9:45:00 AM					
Lab ID: 2303C36-010		Matrix: SOIL	Received Date: 3/24/2023 7:25:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5000	300		mg/Kg	100	3/28/2023 12:35:03 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/28/2023 1:51:52 PM	73950
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/28/2023 1:51:52 PM	73950
Surr: DNOP	85.8	69-147		%Rec	1	3/28/2023 1:51:52 PM	73950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 5:01:00 AM	73922
Surr: BFB	88.6	37.7-212		%Rec	1	3/28/2023 5:01:00 AM	73922
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	3/28/2023 5:01:00 AM	73922
Toluene	ND	0.048		mg/Kg	1	3/28/2023 5:01:00 AM	73922
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 5:01:00 AM	73922
Xylenes, Total	ND	0.096		mg/Kg	1	3/28/2023 5:01:00 AM	73922
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	3/28/2023 5:01:00 AM	73922

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303C36

Date Reported: 3/31/2023

CLIENT: EOG		Client Sample ID: WS23-35 4ft					
Project: Platt PA Battery		Collection Date: 3/22/2023 1:00:00 PM					
Lab ID: 2303C36-011		Matrix: SOIL	Received Date: 3/24/2023 7:25:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	64	60		mg/Kg	20	3/27/2023 8:40:24 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	3/28/2023 7:15:03 AM	73945
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/28/2023 7:15:03 AM	73945
Sum: DNOP	82.0	69-147		%Rec	1	3/28/2023 7:15:03 AM	73945
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 10:17:02 AM	73946
Sum: BFB	95.4	37.7-212		%Rec	1	3/28/2023 10:17:02 AM	73946
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/28/2023 10:17:02 AM	73946
Toluene	ND	0.048		mg/Kg	1	3/28/2023 10:17:02 AM	73946
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 10:17:02 AM	73946
Xylenes, Total	ND	0.097		mg/Kg	1	3/28/2023 10:17:02 AM	73946
Sum: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	3/28/2023 10:17:02 AM	73946

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

Qualifiers:		* Value exceeds Maximum Contaminant Level.	II Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix		III Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2303C36

Date Reported: 3/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WS23-36 4ft

Project: Platt PA Battery

Collection Date: 3/22/2023 1:05:00 PM

Lab ID: 2303C36-012

Matrix: SOIL

Received Date: 3/24/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	64	60		mg/Kg	20	3/27/2023 8:52:48 PM	73960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/28/2023 7:25:17 AM	73945
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/28/2023 7:25:17 AM	73945
Sum: DNOP	89.3	69-147		%Rec	1	3/28/2023 7:25:17 AM	73945
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/28/2023 10:40:36 AM	73946
Sum: BFB	95.5	37.7-212		%Rec	1	3/28/2023 10:40:36 AM	73946
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/28/2023 10:40:36 AM	73946
Toluene	ND	0.048		mg/Kg	1	3/28/2023 10:40:36 AM	73946
Ethylbenzene	ND	0.048		mg/Kg	1	3/28/2023 10:40:36 AM	73946
Xylenes, Total	ND	0.096		mg/Kg	1	3/28/2023 10:40:36 AM	73946
Sum: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	3/28/2023 10:40:36 AM	73946

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C36

31-Mar-23

Client: EOG**Project:** Platt PA Battery

Sample ID: MB-73947	SampType: MBLK	TestCode: EPA Method 300.0: Arlons								
Client ID: PBS	Batch ID: 73947	RunNo: 95598								
Prep Date: 3/27/2023	Analysis Date: 3/27/2023	SeqNo: 3459310 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-73947	SampType: LCS	TestCode: EPA Method 300.0: Arlons								
Client ID: LCS\$	Batch ID: 73947	RunNo: 95598								
Prep Date: 3/27/2023	Analysis Date: 3/27/2023	SeqNo: 3459311 Units: mg/Kg								
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			

Sample ID: MB-73960	SampType: MBLK	TestCode: EPA Method 300.0: Arlons								
Client ID: PBS	Batch ID: 73960	RunNo: 95598								
Prep Date: 3/27/2023	Analysis Date: 3/27/2023	SeqNo: 3459342 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73960	SampType: LCS	TestCode: EPA Method 300.0: Arlons								
Client ID: LCS\$	Batch ID: 73960	RunNo: 95598								
Prep Date: 3/27/2023	Analysis Date: 3/27/2023	SeqNo: 3459343 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C36

31-Mar-23

Client: EOG**Project:** Platt PA Battery

Sample ID: MB-73945	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73945	RunNo: 95601								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459545 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.2	69	147			

Sample ID: MB-73950	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73950	RunNo: 95601								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459546 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.2	69	147			

Sample ID: LCS-73945	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73945	RunNo: 95601								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459550 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.4	61.9	130			
Surr: DNOP	4.4		5.000		88.1	69	147			

Sample ID: LCS-73950	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73950	RunNo: 95601								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459551 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.8	61.9	130			
Surr: DNOP	4.3		5.000		85.5	69	147			

Sample ID: MB-73997	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461213 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C36

31-Mar-23

Client: EOG**Project:** Platt PA Battery

Sample ID: LC\$-73997	SampType: LC\$	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LC\$	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461214 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	61.9	130			
Sum: DNOP	4.5		5.000		90.5	69	147			

Sample ID: MB-73987	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461648 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Sum: DNOP	9.2		10.00		91.6	69	147			

Sample ID: LC\$-73987	SampType: LC\$	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LC\$	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461649 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Sum: DNOP	4.4		5.000		87.3	69	147			

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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C36

31-Mar-23

Client: EOG**Project:** Platt PA Battery

Sample ID: Ica-73946	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC\$S	Batch ID: 73946	RunNo: 95599								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459412 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.5	70	130			
Sum: BFB	1900		1000		186	37.7	212			

Sample ID: mb-73946	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73946	RunNo: 95599								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459413 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Sum: BFB	980		1000		98.1	37.7	212			

Sample ID: Ica-73922	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC\$S	Batch ID: 73922	RunNo: 95595								
Prep Date: 3/24/2023	Analysis Date: 3/27/2023	SeqNo: 3459448 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.5	70	130			
Sum: BFB	2000		1000		196	37.7	212			

Sample ID: mb-73922	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73922	RunNo: 95595								
Prep Date: 3/24/2023	Analysis Date: 3/27/2023	SeqNo: 3459449 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Sum: BFB	910		1000		91.1	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303C36

31-Mar-23

Client: EOG

Project: Platt PA Battery

Sample ID: LCS-73946	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73946	RunNo: 95599								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459418 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.3	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.2	80	120			
Sum: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: mb-73946	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73946	RunNo: 95599								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3459419 Units: mg/Kg								
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								
Sum: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Sample ID: lcs-73922		SampType: LCS		TestCode: EPA Method 8021B: Volatiles						
Client ID: LCS		Batch ID: 73922		RunNo: 95595						
Prep Date: 3/24/2023		Analysis Date: 3/27/2023		SeqNo: 3459504			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.3	80	120			
Sum: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130			

Sample ID: mb-73922	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 73922		RunNo: 95595							
Prep Date: 3/24/2023	Analysis Date: 3/27/2023		SeqNo: 3459505			Units: mg/Kg				
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								
Sum: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Rockin' Rd
Albuquerque, NM 87113
Tel: (505) 645-1955 FAX: (505) 645-6400
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: FOC Work Order Number: 2303C36 RptNo: 1

Received By: Tracy Casarubias 3/24/2023 7:25:00 AM

Completed By: Tracy Casarubias 3/24/2023 8:08:43 AM

Reviewed By: *[Signature]* 3-24-23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $\geq 5^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for intended test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONS) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $\leq 1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are initials correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(if no, notify customer for authorization.) Yes ☒ No ☐

of preserved bottles checked for pH: 1+2 or 1+2 unless noted
Adjusted?
Checked by: *[Signature]* 3-24-23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Yes	Marty		

Chain-of-Custody Record				Turn-Around Time:		
Client: EOG Resources (Hwy 201)		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush		48 hr		
Project Name: Quattrone Bottom						
Mailing Address: Onfile						
Phone #: 25-00123-14						
Project Manager: Chance Dixon						
Sample: Fernando Rodriguez						
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
# of Coolers: 1						
Cooler Temp: 42-43 = 40 (°C)						
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/22/00	9:00	Soil	B5923-21	401 jar	VC	2303036
1	9:05	1	B5923-22	401 jar	1	001
1	9:10	1	B5923-23	401 jar	1	002
1	9:15	1	B5923-24	401 jar	1	003
1	9:20	1	B5923-25	401 jar	1	004
1	9:25	1	B5923-26	401 jar	1	005
1	9:30	1	B5923-27	401 jar	1	006
1	9:35	1	B5923-28	401 jar	1	007
1	9:40	1	B5923-29	401 jar	1	008
1	9:45	1	B5923-30	401 jar	1	009
1	13:00	1	B5923-35	401 jar	1	010
1	13:05	1	B5923-36	401 jar	1	011
1	13:10	1	B5923-37	401 jar	1	012
1	13:15	1	B5923-38	401 jar	1	013
1	13:20	1	B5923-39	401 jar	1	014
1	13:25	1	B5923-40	401 jar	1	015
1	13:30	1	B5923-41	401 jar	1	016
1	13:35	1	B5923-42	401 jar	1	017
1	13:40	1	B5923-43	401 jar	1	018
1	13:45	1	B5923-44	401 jar	1	019
1	13:50	1	B5923-45	401 jar	1	020
1	13:55	1	B5923-46	401 jar	1	021
1	14:00	1	B5923-47	401 jar	1	022
1	14:05	1	B5923-48	401 jar	1	023
1	14:10	1	B5923-49	401 jar	1	024
1	14:15	1	B5923-50	401 jar	1	025
1	14:20	1	B5923-51	401 jar	1	026
1	14:25	1	B5923-52	401 jar	1	027
1	14:30	1	B5923-53	401 jar	1	028
1	14:35	1	B5923-54	401 jar	1	029
1	14:40	1	B5923-55	401 jar	1	030
1	14:45	1	B5923-56	401 jar	1	031
1	14:50	1	B5923-57	401 jar	1	032
1	14:55	1	B5923-58	401 jar	1	033
1	15:00	1	B5923-59	401 jar	1	034
1	15:05	1	B5923-60	401 jar	1	035
1	15:10	1	B5923-61	401 jar	1	036
1	15:15	1	B5923-62	401 jar	1	037
1	15:20	1	B5923-63	401 jar	1	038
1	15:25	1	B5923-64	401 jar	1	039
1	15:30	1	B5923-65	401 jar	1	040
1	15:35	1	B5923-66	401 jar	1	041
1	15:40	1	B5923-67	401 jar	1	042
1	15:45	1	B5923-68	401 jar	1	043
1	15:50	1	B5923-69	401 jar	1	044
1	15:55	1	B5923-70	401 jar	1	045
1	16:00	1	B5923-71	401 jar	1	046
1	16:05	1	B5923-72	401 jar	1	047
1	16:10	1	B5923-73	401 jar	1	048
1	16:15	1	B5923-74	401 jar	1	049
1	16:20	1	B5923-75	401 jar	1	050
1	16:25	1	B5923-76	401 jar	1	051
1	16:30	1	B5923-77	401 jar	1	052
1	16:35	1	B5923-78	401 jar	1	053
1	16:40	1	B5923-79	401 jar	1	054
1	16:45	1	B5923-80	401 jar	1	055
1	16:50	1	B5923-81	401 jar	1	056
1	16:55	1	B5923-82	401 jar	1	057
1	17:00	1	B5923-83	401 jar	1	058
1	17:05	1	B5923-84	401 jar	1	059
1	17:10	1	B5923-85	401 jar	1	060
1	17:15	1	B5923-86	401 jar	1	061
1	17:20	1	B5923-87	401 jar	1	062
1	17:25	1	B5923-88	401 jar	1	063
1	17:30	1	B5923-89	401 jar	1	064
1	17:35	1	B5923-90	401 jar	1	065
1	17:40	1	B5923-91	401 jar	1	066
1	17:45	1	B5923-92	401 jar	1	067
1	17:50	1	B5923-93	401 jar	1	068
1	17:55	1	B5923-94	401 jar	1	069
1	18:00	1	B5923-95	401 jar	1	070
1	18:05	1	B5923-96	401 jar	1	071
1	18:10	1	B5923-97	401 jar	1	072
1	18:15	1	B5923-98	401 jar	1	073
1	18:20	1	B5923-99	401 jar	1	074
1	18:25	1	B5923-100	401 jar	1	075
1	18:30	1	B5923-101	401 jar	1	076
1	18:35	1	B5923-102	401 jar	1	077
1	18:40	1	B5923-103	401 jar	1	078
1	18:45	1	B5923-104	401 jar	1	079
1	18:50	1	B5923-105	401 jar	1	080
1	18:55	1	B5923-106	401 jar	1	081
1	19:00	1	B5923-107	401 jar	1	082
1	19:05	1	B5923-108	401 jar	1	083
1	19:10	1	B5923-109	401 jar	1	084
1	19:15	1	B5923-110	401 jar	1	085
1	19:20	1	B5923-111	401 jar	1	086
1	19:25	1	B5923-112	401 jar	1	087
1	19:30	1	B5923-113	401 jar	1	088
1	19:35	1	B5923-114	401 jar	1	089
1	19:40	1	B5923-115	401 jar	1	090
1	19:45	1	B5923-116	401 jar	1	091
1	19:50	1	B5923-117	401 jar	1	092
1	19:55	1	B5923-118	401 jar	1	093
1	20:00	1	B5923-119	401 jar	1	094
1	20:05	1	B5923-120	401 jar	1	095
1	20:10	1	B5923-121	401 jar	1	096
1	20:15	1	B5923-122	401 jar	1	097
1	20:20	1	B5923-123	401 jar	1	098
1	20:25	1	B5923-124	401 jar	1	099
1	20:30	1	B5923-125	401 jar	1	100
1	20:35	1	B5923-126	401 jar	1	101
1	20:40	1	B5923-127	401 jar	1	102
1	20:45	1	B5923-128	401 jar	1	103
1	20:50	1	B5923-129	401 jar	1	104
1	20:55	1	B5923-130	401 jar	1	105
1	21:00	1	B5923-131	401 jar	1	106
1	21:05	1	B5923-132	401 jar	1	107
1	21:10	1	B5923-133	401 jar	1	108
1	21:15	1	B5923-134	401 jar	1	109
1	21:20	1	B5923-135	401 jar	1	110
1	21:25	1	B5923-136	401 jar	1	111
1	21:30	1	B5923-137	401 jar	1	112
1	21:35	1	B5923-138	401 jar	1	113
1	21:40	1	B5923-139	401 jar	1	114
1	21:45	1	B5923-140	401 jar	1	115
1	21:50	1	B5923-141	401 jar	1	116
1	21:55	1	B5923-142	401 jar	1	117
1	22:00	1	B5923-143	401 jar	1	118
1	22:05	1	B5923-144	401 jar	1	119
1	22:10	1	B5923-145	401 jar	1	120
1	22:15	1	B5923-146	401 jar	1	121
1	22:20	1	B5923-147	401 jar	1	122
1	22:25	1	B5923-148	401 jar	1	123
1	22:30	1	B5923-149	401 jar	1	124
1	22:35	1	B5923-150	401 jar	1	125
1	22:40	1	B5923-151	401 jar	1	126
1	22:45	1	B5923-152	401 jar	1	127
1	22:50	1	B5923-153	401 jar	1	128
1	22:55	1	B5923-154	401 jar	1	129
1	23:00	1	B5923-155	401 jar	1	130
1	23:05	1	B5923-156	401 jar	1	131
1	23:10	1	B5923-157	401 jar	1	132
1	23:15	1	B5923-158	401 jar	1	133
1	23:20	1	B5923-159	401 jar	1	134
1	23:25	1	B5923-160	401 jar	1	135
1	23:30	1	B5923-161	401 jar	1	136
1	23:35	1	B5923-162	401 jar	1	137
1	23:40	1	B5923-163	401 jar	1	138
1	23:45	1	B5923-164	401 jar	1	139
1	23:50	1	B5923-165	401 jar	1	140
1	23:55	1	B5923-166	401 jar	1	141
1	00:00	1	B5923-167	401 jar	1	142
1	00:05	1	B5923-168	401 jar	1	143
1	00:10	1	B5923-169	401 jar	1	144
1	00:15	1	B5923-170	401 jar	1	145
1	00:20	1	B5923-171	401 jar	1	146
1	00:25	1	B5923-172	401 jar	1	147
1	00:30	1	B5923-173	401 jar	1	148
1	00:35	1	B5923-174	401 jar	1	149
1	00:40	1	B5923-175	401 jar	1	150
1	00:45	1	B5923-176	401 jar	1	151
1	00:50	1	B5923-177	401 jar	1	152
1	00:55	1	B5923-178	401 jar	1	153
1	01:00	1	B5923-179	401 jar	1	154
1	01:05	1	B5923-180	401 jar	1	155
1	01:10	1	B5923-181	401 jar	1	156
1	01:15	1	B5923-182	401 jar	1	157
1	01:20	1	B5923-183	401 jar	1	158
1	01:25	1	B5923-184	401 jar	1	159
1	01:30	1	B5923-185	401 jar	1	160
1	01:35	1	B5923-186	401 jar	1	161
1	01:40	1	B5923-187	401 jar	1	162
1	01:45	1	B5923-188	401 jar	1	163
1	01:50	1	B5923-189	401 jar	1	164
1						



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

April 03, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Platt PA Battery

OrderNo.: 2303C82

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/25/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order 2303C82
Date Reported: 4/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: WS23-40 4ft					
Project: Platt PA Battery		Collection Date: 3/23/2023 1:00:00 PM					
Lab ID: 2303C82-001		Matrix: SOIL	Received Date: 3/25/2023 11:00:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	ND	61		mg/Kg	20	3/28/2023 2:49:57 PM	73982
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/29/2023 12:18:15 AM	73977
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/29/2023 12:18:15 AM	73977
Surr: DNOP	89.6	69-147		%Rec	1	3/29/2023 12:18:15 AM	73977
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Surr: BFB	103	37.7-212		%Rec	1	3/28/2023 1:55:00 PM	73962
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Toluene	ND	0.049		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Xylenes, Total	ND	0.099		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	3/28/2023 1:55:00 PM	73962

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: MB-73982	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73982	RunNo: 95636								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460935 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73982	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCS\$	Batch ID: 73982	RunNo: 95636								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460936 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG**Project:** Platt PA Battery

Sample ID: MB-73977	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73977	RunNo: 95601								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460487 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.2	69	147			

Sample ID: LCS-73977	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73977	RunNo: 95601								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460488 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.9	61.9	130			
Surr: DNOP	4.6		5.000		92.0	69	147			

Sample ID: MB-73997	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461213 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		87.7	69	147			

Sample ID: LCS-73997	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461214 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		90.5	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 3 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG**Project:** Platt PA Battery

Sample ID: LCS-73962	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461004 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.4	70	130			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: MB-73962	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461005 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.3	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: LCS-73962	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461097 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.89	0.050	1.000	0	89.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.1	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: MB-73962	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461098 Units: mg/Kg								
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	0.90		1.000		90.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory
4800 Pleasant Hill
Albuquerque, NM 87109
TEL: 505-545-3911 FAX: 505-425-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2303C92 Rep/No: 1

Received By: Tracy Casanubias 3/25/2023 11:00:00 AM

Completed by: Tracy Casanubias 3/25/2023 11:30:03 AM

Reviewed By: Jm. 3/27/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 8.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ORO) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1\text{m}^3$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: JMC 3/25/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	4.0	Good	Yes	Yogi		



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

April 03, 2023

Chance Dixon

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Platt PA Battery

OrderNo.: 2303C82

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/25/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
 Lab Order 2303C82
 Date Reported: 4/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: WS23-40 4ft					
Project: Platt PA Battery		Collection Date: 3/23/2023 1:00:00 PM					
Lab ID: 2303C82-001		Matrix: SOIL	Received Date: 3/25/2023 11:00:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	ND	61		mg/Kg	20	3/28/2023 2:49:57 PM	73982
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/29/2023 12:18:15 AM	73977
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/29/2023 12:18:15 AM	73977
Surr: DNOP	89.6	69-147		%Rec	1	3/29/2023 12:18:15 AM	73977
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Surr: BFB	103	37.7-212		%Rec	1	3/28/2023 1:55:00 PM	73962
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Toluene	ND	0.049		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Ethylbenzene	ND	0.049		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Xylenes, Total	ND	0.099		mg/Kg	1	3/28/2023 1:55:00 PM	73962
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	3/28/2023 1:55:00 PM	73962

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.		

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: MB-73982	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 73982	RunNo: 95636								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460935 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-73982	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCS\$	Batch ID: 73982	RunNo: 95636								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460936 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG**Project:** Platt PA Battery

Sample ID: MB-73977	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73977	RunNo: 95601								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460487 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.2	69	147			

Sample ID: LCS-73977	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73977	RunNo: 95601								
Prep Date: 3/28/2023	Analysis Date: 3/28/2023	SeqNo: 3460488 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.9	61.9	130			
Surr: DNOP	4.6		5.000		92.0	69	147			

Sample ID: MB-73997	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461213 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		87.7	69	147			

Sample ID: LCS-73997	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461214 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		90.5	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 3 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG**Project:** Platt PA Battery

Sample ID: LCS-73962	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461004 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.4	70	130			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: MB-73962	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461005 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.3	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303C82

03-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: LCS-73962	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461097 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.89	0.050	1.000	0	89.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.1	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: MB-73962	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73962	RunNo: 95638								
Prep Date: 3/27/2023	Analysis Date: 3/28/2023	SeqNo: 3461098 Units: mg/Kg								
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	0.90		1.000		90.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory
4800 Pleasant Hill
Albuquerque, NM 87109
TEL: 505-243-3911 FAX: 505-243-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2303C92 Rep/No: 1

Received By: Tracy Casanubias 3/25/2023 11:00:00 AM

Completed by: Tracy Casanubias 3/25/2023 11:30:03 AM

Reviewed By: Jm. 3/27/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 8.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ORO) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1\text{m}^3$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:
(<2 or >12 unless noted)
Adjusted?

Checked by: JMC 3/25/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	4.0	Good	Yes	Yogi		

[illegible]

intended to characterize absorption. The curve is not

Summary

corrected data will be clearly marked in the analytical report.



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

March 30, 2023

Chance Dixon

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Platt PA Battery

OrderNo.: 2303D20

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/28/2023 for the analyses presented in the following report.

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

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

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

Sincerely,



Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D20

Date Reported: 3/30/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WS23-45 4ft**Project:** Platt PA Battery**Collection Date:** 3/24/2023 2:00:00 PM**Lab ID:** 2303D20-001**Matrix:** SOIL**Received Date:** 3/28/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2023 12:08:20 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/29/2023 12:08:20 PM
Surr: DNOP	92.2	69-147		%Rec	1	3/29/2023 12:08:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/29/2023 4:32:15 PM
Surr: BFB	97.6	37.7-212		%Rec	1	3/29/2023 4:32:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/29/2023 4:32:15 PM
Toluene	ND	0.048		mg/Kg	1	3/29/2023 4:32:15 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/29/2023 4:32:15 PM
Xylenes, Total	ND	0.096		mg/Kg	1	3/29/2023 4:32:15 PM
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	3/29/2023 4:32:15 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	68	60		mg/Kg	20	3/29/2023 1:33:02 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74000	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74000	RunNo: 95644								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461932 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-74000	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74000	RunNo: 95644								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461933 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-73997	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461213 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	69	147			

Sample ID: LCS-73997	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461214 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	61.9	130			
Surr: DNOP	4.5		5.000		90.5	69	147			

Sample ID: MB-73987	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461648 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.6	69	147			

Sample ID: LCS-73987	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461649 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 3 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: lca-73975	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC\$	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461081 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	70	130			
Surr: BFB	2000		1000		202	37.7	212			

Sample ID: mb-73975	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461082 Units: mg/Kg								
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		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: LCS-73975	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461088 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	0.91	0.050	1.000	0	91.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Sample ID: mb-73975	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461089 Units: mg/Kg								
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	0.89		1.000		89.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory
 6901 Harrison Rd.
 Albuquerque, NM 87105
 TEL: 505-345-3973 FAX: 505-345-4167
 Website: www.hallenvanal.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc. Work Order Number: 2303D20 RptNo: 1
 Received By: Juan Rojas 3/28/2023 7:55:00 AM
 Completed By: Desiree Dominguez 3/28/2023 8:33:47 AM
 Reviewed By: DAD 3/28/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
 2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 5.0°C ? Yes ☒ No ☐ NA ☐
 5. Sample(s) in proper container(s)? Yes ☒ No ☐
 6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
 7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
 8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
 9. Received at least 1 vial with headspace $\leq 1\text{m}^3$ for AO VOA? Yes ☐ No ☐ NA ☒
 10. Were any sample containers received broken? Yes ☐ No ☒
 11. Does paperwork match bottle labels? Yes ☒ No ☐
 (Note discrepancies on chain of custody)
 12. Are markers correctly identified on Chain of Custody? Yes ☒ No ☐
 13. Is it clear what analysis was requested? Yes ☒ No ☐
 14. Were all holding times able to be met? Yes ☒ No ☐
 (If no, notify customer for authorization.)

of preserved bottles checked for pH

(≤ 2 or ≥ 12 unless noted)

Adjusted?

Checked by: JWS 3/28/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
 By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Client information missing on COC. -DAD 3/28/23

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good	Not Present	Marky		



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

March 30, 2023

Chance Dixon

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Platt PA Battery

OrderNo.: 2303D20

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/28/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D20

Date Reported: 3/30/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WS23-45 4ft**Project:** Platt PA Battery**Collection Date:** 3/24/2023 2:00:00 PM**Lab ID:** 2303D20-001**Matrix:** SOIL**Received Date:** 3/28/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2023 12:08:20 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/29/2023 12:08:20 PM
Surr: DNOP	92.2	69-147		%Rec	1	3/29/2023 12:08:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/29/2023 4:32:15 PM
Surr: BFB	97.6	37.7-212		%Rec	1	3/29/2023 4:32:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/29/2023 4:32:15 PM
Toluene	ND	0.048		mg/Kg	1	3/29/2023 4:32:15 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/29/2023 4:32:15 PM
Xylenes, Total	ND	0.096		mg/Kg	1	3/29/2023 4:32:15 PM
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	3/29/2023 4:32:15 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	68	60		mg/Kg	20	3/29/2023 1:33:02 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74000	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74000	RunNo: 95644								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461932 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-74000	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74000	RunNo: 95644								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461933 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

Page 2 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-73997	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461213 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.7	69	147			

Sample ID: LCS-73997	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS\$	Batch ID: 73997	RunNo: 95646								
Prep Date: 3/29/2023	Analysis Date: 3/29/2023	SeqNo: 3461214 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	61.9	130			
Surr: DNOP	4.5		5.000		90.5	69	147			

Sample ID: MB-73987	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461648 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	9.2		10.00		91.6	69	147			

Sample ID: LCS-73987	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS\$	Batch ID: 73987	RunNo: 95646								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461649 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
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- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 3 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: lca-73975	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC\$	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461081 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	70	130			
Surr: BFB	2000		1000		202	37.7	212			

Sample ID: mb-73975	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461082 Units: mg/Kg								
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		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
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- P Sample pH Not in Range
- RL Reporting Limit

Page 4 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D20

30-Mar-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: LCS-73975	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461088 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	0.91	0.050	1.000	0	91.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Sample ID: mb-73975	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 73975	RunNo: 95642								
Prep Date: 3/28/2023	Analysis Date: 3/29/2023	SeqNo: 3461089 Units: mg/Kg								
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	0.89		1.000		89.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
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- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory
 6901 Harrison Rd.
 Albuquerque, NM 87105
 TEL: 505-345-3973 FAX: 505-345-4167
 Website: www.hallenviroanal.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc. Work Order Number: 2303D20 RptNo: 1
 Received By: Juan Rojas 3/28/2023 7:55:00 AM
 Completed By: Desiree Dominguez 3/28/2023 8:33:47 AM
 Reviewed By: DAD 3/28/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present: ☐
 2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 5.0°C ? Yes ☒ No ☐ NA ☐
 5. Sample(s) in proper container(s)? Yes ☒ No ☐
 6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
 7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
 8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
 9. Received at least 1 vial with headspace $\leq 1\text{m}^3$ for AO VOA? Yes ☐ No ☐ NA ☒
 10. Were any sample containers received broken? Yes ☐ No ☒
 11. Does paperwork match bottle labels? Yes ☒ No ☐
 (Note discrepancies on chain of custody)
 12. Are markers correctly identified on Chain of Custody? Yes ☒ No ☐
 13. Is it clear what analysis was requested? Yes ☒ No ☐
 14. Were all holding times able to be met? Yes ☒ No ☐
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: JWS 3/28/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
 By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

Client information missing on COC. -DAD 3/28/23

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	02	Good	Not Present	Marky		

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Released to Imaging: 12/29/2023 7:55:04 AM



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

April 03, 2023

Chance Dixon

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX

RE: Platt PA Battery

OrderNo.: 2303D76

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/29/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-31 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:00:00 AM**Lab ID:** 2303D76-001**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/30/2023 5:28:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 5:28:24 PM
Surr: DNOP	76.8	69-147		%Rec	1	3/30/2023 5:28:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/30/2023 10:15:04 PM
Surr: BFB	101	37.7-212		%Rec	1	3/30/2023 10:15:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/30/2023 10:15:04 PM
Toluene	ND	0.048		mg/Kg	1	3/30/2023 10:15:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/30/2023 10:15:04 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/30/2023 10:15:04 PM
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	3/30/2023 10:15:04 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2400	60		mg/Kg	20	3/30/2023 6:22:00 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-32 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:05:00 AM**Lab ID:** 2303D76-002**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/30/2023 5:49:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 5:49:49 PM
Surr: DNOP	80.6	69-147		%Rec	1	3/30/2023 5:49:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/30/2023 11:25:41 PM
Surr: BFB	103	37.7-212		%Rec	1	3/30/2023 11:25:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/30/2023 11:25:41 PM
Toluene	ND	0.048		mg/Kg	1	3/30/2023 11:25:41 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/30/2023 11:25:41 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/30/2023 11:25:41 PM
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	3/30/2023 11:25:41 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1600	60		mg/Kg	20	3/30/2023 6:34:24 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-33 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:10:00 AM**Lab ID:** 2303D76-003**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/30/2023 6:00:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 6:00:35 PM
Surr: DNOP	139	69-147		%Rec	1	3/30/2023 6:00:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 12:36:11 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 12:36:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 12:36:11 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 12:36:11 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 12:36:11 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 12:36:11 AM
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	3/31/2023 12:36:11 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1400	60		mg/Kg	20	3/30/2023 6:46:49 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-34 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:15:00 AM**Lab ID:** 2303D76-004**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	12	9.6		mg/Kg	1	3/30/2023 6:11:21 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 6:11:21 PM
Surr: DNOP	108	69-147		%Rec	1	3/30/2023 6:11:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 12:59:40 AM
Surr: BFB	104	37.7-212		%Rec	1	3/31/2023 12:59:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 12:59:40 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 12:59:40 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 12:59:40 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 12:59:40 AM
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	3/31/2023 12:59:40 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	4900	300		mg/Kg	100	3/31/2023 8:50:35 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-35 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:20:00 AM**Lab ID:** 2303D76-005**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/30/2023 6:43:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/30/2023 6:43:31 PM
Surr: DNOP	94.8	69-147		%Rec	1	3/30/2023 6:43:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 1:23:10 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 1:23:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 1:23:10 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 1:23:10 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 1:23:10 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 1:23:10 AM
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/31/2023 1:23:10 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1400	59		mg/Kg	20	3/30/2023 7:11:38 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-36 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:25:00 AM**Lab ID:** 2303D76-006**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2023 6:54:16 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 6:54:16 PM
Surr: DNOP	98.1	69-147		%Rec	1	3/30/2023 6:54:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 1:46:38 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 1:46:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 1:46:38 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 1:46:38 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 1:46:38 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/31/2023 1:46:38 AM
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	3/31/2023 1:46:38 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	3100	150		mg/Kg	50	3/31/2023 9:02:58 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-37 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:30:00 AM**Lab ID:** 2303D76-007**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2023 7:15:39 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 7:15:39 PM
Surr: DNOP	101	69-147		%Rec	1	3/30/2023 7:15:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 2:10:08 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 2:10:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 2:10:08 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 2:10:08 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 2:10:08 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 2:10:08 AM
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	3/31/2023 2:10:08 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1800	60		mg/Kg	20	3/30/2023 7:36:27 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-38 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:35:00 AM**Lab ID:** 2303D76-008**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/30/2023 7:26:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 7:26:23 PM
Surr: DNOP	103	69-147		%Rec	1	3/30/2023 7:26:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 2:33:36 AM
Surr: BFB	102	37.7-212		%Rec	1	3/31/2023 2:33:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 2:33:36 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 2:33:36 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 2:33:36 AM
Xylenes, Total	ND	0.096		mg/Kg	1	3/31/2023 2:33:36 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/31/2023 2:33:36 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2200	60		mg/Kg	20	3/30/2023 7:48:52 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-39 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:40:00 AM**Lab ID:** 2303D76-009**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/30/2023 7:47:42 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 7:47:42 PM
Surr: DNOP	101	69-147		%Rec	1	3/30/2023 7:47:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 2:57:03 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 2:57:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 2:57:03 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 2:57:03 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 2:57:03 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 2:57:03 AM
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	3/31/2023 2:57:03 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2500	150		mg/Kg	50	3/31/2023 9:15:22 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-40 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:45:00 AM**Lab ID:** 2303D76-010**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	21	9.7		mg/Kg	1	3/30/2023 7:58:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 7:58:24 PM
Surr: DNOP	106	69-147		%Rec	1	3/30/2023 7:58:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 3:20:28 AM
Surr: BFB	99.6	37.7-212		%Rec	1	3/31/2023 3:20:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 3:20:28 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 3:20:28 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 3:20:28 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/31/2023 3:20:28 AM
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	3/31/2023 3:20:28 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	9200	300		mg/Kg	100	3/31/2023 9:27:44 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-41 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:50:00 AM**Lab ID:** 2303D76-011**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/30/2023 8:19:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 8:19:49 PM
Surr: DNOP	100	69-147		%Rec	1	3/30/2023 8:19:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 4:07:20 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	6800	300		mg/Kg	100	3/31/2023 9:40:08 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WS23-47 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:55:00 AM**Lab ID:** 2303D76-012**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/30/2023 8:41:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 8:41:09 PM
Surr: DNOP	103	69-147		%Rec	1	3/30/2023 8:41:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/31/2023 4:30:41 AM
Surr: BFB	98.7	37.7-212		%Rec	1	3/31/2023 4:30:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	3/31/2023 4:30:41 AM
Toluene	ND	0.047		mg/Kg	1	3/31/2023 4:30:41 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/31/2023 4:30:41 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/31/2023 4:30:41 AM
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	3/31/2023 4:30:41 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	3/30/2023 9:52:56 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74038	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74038	RunNo: 95700								
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463712 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74038	SampType: LCS	TestCode: EPA Method 300.0: Antona								
Client ID: LCSS	Batch ID: 74038	RunNo: 95700								
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463713 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | IB Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| 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 standard limits. If undiluted results may be estimated. | |

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74015	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74015	RunNo: 95677								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3462620 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Sum: DNOP	10		10.00		102	69	147			

Sample ID: LC\$-74015	SampType: LC\$	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LC\$\$	Batch ID: 74015	RunNo: 95677								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3462621 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	61.9	130			
Sum: DNOP	5.5		5.000		110	69	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: 2303d76-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B523-31 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463594 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.90	0	95.6	70	130			
Sum: BFB	2000		956.0		206	37.7	212			

Sample ID: 2303d76-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B523-31 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463595 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.95	0	98.3	70	130	3.00	20	
Sum: BFB	2000		957.9		211	37.7	212	0	0	

Sample ID: Ics-74005	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC-\$	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463607 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.5	70	130			
Sum: BFB	1900		1000		194	37.7	212			

Sample ID: mb-74005	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463608 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Sum: BFB	1000		1000		103	37.7	212			

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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: LCS-74005	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463614 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.91	0.050	1.000	0	90.9	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.8	80	120			
Sum: 4-Bromofluorobenzene	0.94		1.000		94.1	70	130			

Sample ID: mb-74005	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 74005		RunNo: 95669							
Prep Date: 3/29/2023	Analysis Date: 3/30/2023		SeqNo: 3463615			Units: mg/Kg				
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								
Sum: 4-Bromofluorobenzene	0.92		1.000		91.8	70	130			

Sample ID: 2303d76-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BS23-32 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463629 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9671	0	92.9	68.8	120			
Toluene	0.93	0.048	0.9671	0.01707	94.4	73.6	124			
Ethylbenzene	0.95	0.048	0.9671	0	97.7	72.7	129			
Xylenes, Total	2.8	0.097	2.901	0	97.2	75.7	126			
Sum: 4-Bromofluorobenzene	0.90		0.9671		92.9	70	130			

Sample ID: 2303d76-002amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: BS23-32 4ft		Batch ID: 74005		RunNo: 95669						
Prep Date: 3/29/2023		Analysis Date: 3/31/2023		SeqNo: 3463630			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9699	0	97.0	68.8	120	4.57	20	
Toluene	0.96	0.048	0.9699	0.01707	96.9	73.6	124	2.83	20	
Ethylbenzene	0.96	0.048	0.9699	0	98.7	72.7	129	1.26	20	
Xylenes, Total	2.9	0.097	2.910	0	98.3	75.7	126	1.44	20	
Sum: 4-Bromofluorobenzene	0.91		0.9699		93.6	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
6001 Bucking Rd
Arlington, VA 22205
TEL: 703-445-1231 FAX: 703-445-4100
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Veritas Resources Services, Inc.	Work Order Number:	2303076	Rep#No:	1
Received By:	Tracy Casarrubias	3/29/2023 7:35:00 AM			
Completed by:	Tracy Casarrubias	3/29/2023 7:58:37 AM			
Reviewed By:	JN 3/29/23				

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐
2. How was the sample collected? Canister

Log in

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 5°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and CNG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1\text{M}^3$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers min/vol broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved bottles checked for pH.
(≤ 2 or ≤ 12 unless noted)
Adjusted?
Checked by
WJ 3/29/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	Date:
By Whom:	Via <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	
Client Instructions:	

16. Additional remarks:

17. Cooler Information

Cooler No.	Temp. $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.8	Good	Yes	Marty		

Released to Imaging: 12/29/2023 7:55:04 AM



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

April 03, 2023

Chance Dixon

Vertex Resources Services, Inc.

3101 Boyd Drive

Carlsbad, NM 88220

TEL: (505) 506-0040

FAX

RE: Platt PA Battery

OrderNo.: 2303D76

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/29/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-31 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:00:00 AM**Lab ID:** 2303D76-001**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/30/2023 5:28:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 5:28:24 PM
Surr: DNOP	76.8	69-147		%Rec	1	3/30/2023 5:28:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/30/2023 10:15:04 PM
Surr: BFB	101	37.7-212		%Rec	1	3/30/2023 10:15:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/30/2023 10:15:04 PM
Toluene	ND	0.048		mg/Kg	1	3/30/2023 10:15:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/30/2023 10:15:04 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/30/2023 10:15:04 PM
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	3/30/2023 10:15:04 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2400	60		mg/Kg	20	3/30/2023 6:22:00 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-32 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:05:00 AM**Lab ID:** 2303D76-002**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/30/2023 5:49:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 5:49:49 PM
Surr: DNOP	80.6	69-147		%Rec	1	3/30/2023 5:49:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/30/2023 11:25:41 PM
Surr: BFB	103	37.7-212		%Rec	1	3/30/2023 11:25:41 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/30/2023 11:25:41 PM
Toluene	ND	0.048		mg/Kg	1	3/30/2023 11:25:41 PM
Ethylbenzene	ND	0.048		mg/Kg	1	3/30/2023 11:25:41 PM
Xylenes, Total	ND	0.097		mg/Kg	1	3/30/2023 11:25:41 PM
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	3/30/2023 11:25:41 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1600	60		mg/Kg	20	3/30/2023 6:34:24 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-33 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:10:00 AM**Lab ID:** 2303D76-003**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/30/2023 6:00:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 6:00:35 PM
Surr: DNOP	139	69-147		%Rec	1	3/30/2023 6:00:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 12:36:11 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 12:36:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 12:36:11 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 12:36:11 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 12:36:11 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 12:36:11 AM
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	3/31/2023 12:36:11 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1400	60		mg/Kg	20	3/30/2023 6:46:49 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-34 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:15:00 AM**Lab ID:** 2303D76-004**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	12	9.6		mg/Kg	1	3/30/2023 6:11:21 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 6:11:21 PM
Surr: DNOP	108	69-147		%Rec	1	3/30/2023 6:11:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 12:59:40 AM
Surr: BFB	104	37.7-212		%Rec	1	3/31/2023 12:59:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 12:59:40 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 12:59:40 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 12:59:40 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 12:59:40 AM
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	3/31/2023 12:59:40 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	4900	300		mg/Kg	100	3/31/2023 8:50:35 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-35 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:20:00 AM**Lab ID:** 2303D76-005**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/30/2023 6:43:31 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/30/2023 6:43:31 PM
Surr: DNOP	94.8	69-147		%Rec	1	3/30/2023 6:43:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 1:23:10 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 1:23:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 1:23:10 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 1:23:10 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 1:23:10 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 1:23:10 AM
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/31/2023 1:23:10 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1400	59		mg/Kg	20	3/30/2023 7:11:38 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-36 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:25:00 AM**Lab ID:** 2303D76-006**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2023 6:54:16 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 6:54:16 PM
Surr: DNOP	98.1	69-147		%Rec	1	3/30/2023 6:54:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 1:46:38 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 1:46:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 1:46:38 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 1:46:38 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 1:46:38 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/31/2023 1:46:38 AM
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	3/31/2023 1:46:38 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	3100	150		mg/Kg	50	3/31/2023 9:02:58 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-37 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:30:00 AM**Lab ID:** 2303D76-007**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/30/2023 7:15:39 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/30/2023 7:15:39 PM
Surr: DNOP	101	69-147		%Rec	1	3/30/2023 7:15:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 2:10:08 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 2:10:08 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 2:10:08 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 2:10:08 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 2:10:08 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 2:10:08 AM
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	3/31/2023 2:10:08 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1800	60		mg/Kg	20	3/30/2023 7:36:27 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-38 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:35:00 AM**Lab ID:** 2303D76-008**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/30/2023 7:26:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 7:26:23 PM
Surr: DNOP	103	69-147		%Rec	1	3/30/2023 7:26:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 2:33:36 AM
Surr: BFB	102	37.7-212		%Rec	1	3/31/2023 2:33:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 2:33:36 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 2:33:36 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 2:33:36 AM
Xylenes, Total	ND	0.096		mg/Kg	1	3/31/2023 2:33:36 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/31/2023 2:33:36 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2200	60		mg/Kg	20	3/30/2023 7:48:52 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-39 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:40:00 AM**Lab ID:** 2303D76-009**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/30/2023 7:47:42 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 7:47:42 PM
Surr: DNOP	101	69-147		%Rec	1	3/30/2023 7:47:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/31/2023 2:57:03 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 2:57:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 2:57:03 AM
Toluene	ND	0.049		mg/Kg	1	3/31/2023 2:57:03 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/31/2023 2:57:03 AM
Xylenes, Total	ND	0.099		mg/Kg	1	3/31/2023 2:57:03 AM
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	3/31/2023 2:57:03 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	2500	150		mg/Kg	50	3/31/2023 9:15:22 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-40 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:45:00 AM**Lab ID:** 2303D76-010**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	21	9.7		mg/Kg	1	3/30/2023 7:58:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/30/2023 7:58:24 PM
Surr: DNOP	106	69-147		%Rec	1	3/30/2023 7:58:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/31/2023 3:20:28 AM
Surr: BFB	99.6	37.7-212		%Rec	1	3/31/2023 3:20:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	3/31/2023 3:20:28 AM
Toluene	ND	0.048		mg/Kg	1	3/31/2023 3:20:28 AM
Ethylbenzene	ND	0.048		mg/Kg	1	3/31/2023 3:20:28 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/31/2023 3:20:28 AM
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	3/31/2023 3:20:28 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	9200	300		mg/Kg	100	3/31/2023 9:27:44 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-41 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:50:00 AM**Lab ID:** 2303D76-011**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/30/2023 8:19:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 8:19:49 PM
Surr: DNOP	100	69-147		%Rec	1	3/30/2023 8:19:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 4:07:20 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	6800	300		mg/Kg	100	3/31/2023 9:40:08 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BS23-41 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:50:00 AM**Lab ID:** 2303D76-011**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/30/2023 8:19:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 8:19:49 PM
Surr: DNOP	100	69-147		%Rec	1	3/30/2023 8:19:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: BFB	101	37.7-212		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	3/31/2023 4:07:20 AM
Toluene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Ethylbenzene	ND	0.050		mg/Kg	1	3/31/2023 4:07:20 AM
Xylenes, Total	ND	0.10		mg/Kg	1	3/31/2023 4:07:20 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/31/2023 4:07:20 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	6800	300		mg/Kg	100	3/31/2023 9:40:08 AM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2303D76

Date Reported: 4/3/2023

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WS23-47 4ft**Project:** Platt PA Battery**Collection Date:** 3/27/2023 11:55:00 AM**Lab ID:** 2303D76-012**Matrix:** SOIL**Received Date:** 3/29/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/30/2023 8:41:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/30/2023 8:41:09 PM
Surr: DNOP	103	69-147		%Rec	1	3/30/2023 8:41:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/31/2023 4:30:41 AM
Surr: BFB	98.7	37.7-212		%Rec	1	3/31/2023 4:30:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.023		mg/Kg	1	3/31/2023 4:30:41 AM
Toluene	ND	0.047		mg/Kg	1	3/31/2023 4:30:41 AM
Ethylbenzene	ND	0.047		mg/Kg	1	3/31/2023 4:30:41 AM
Xylenes, Total	ND	0.094		mg/Kg	1	3/31/2023 4:30:41 AM
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	3/31/2023 4:30:41 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	3/30/2023 9:52:56 PM

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

Qualifiers:	<ul style="list-style-type: none"> * 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 standard limits. If undiluted results may be estimated. 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not in Range RL Reporting Limit
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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74038	SampType: MBLK	TestCode: EPA Method 300.0: Antons								
Client ID: PBS	Batch ID: 74038	RunNo: 95700								
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463712 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LC\$-74038	SampType: LC\$	TestCode: EPA Method 300.0: Antons								
Client ID: LC\$\$	Batch ID: 74038	RunNo: 95700								
Prep Date: 3/30/2023	Analysis Date: 3/30/2023	SeqNo: 3463713 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: MB-74015	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74015	RunNo: 95677								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3462620 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Sum: DNOP	10		10.00		102	69	147			

Sample ID: LC\$-74015	SampType: LC\$	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LC\$\$	Batch ID: 74015	RunNo: 95677								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3462621 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	61.9	130			
Sum: DNOP	5.5		5.000		110	69	147			

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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.**Project:** Platt PA Battery

Sample ID: 2303d76-001ama	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B523-31 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463594 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.90	0	95.6	70	130			
Sum: BFB	2000		956.0		206	37.7	212			

Sample ID: 2303d76-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: B523-31 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463595 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.95	0	98.3	70	130	3.00	20	
Sum: BFB	2000		957.9		211	37.7	212	0	0	

Sample ID: lca-74005	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LC-\$	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463607 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.5	70	130			
Sum: BFB	1900		1000		194	37.7	212			

Sample ID: mb-74005	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463608 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Sum: BFB	1000		1000		103	37.7	212			

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 standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303D76

03-Apr-23

Client: Vertex Resources Services, Inc.

Project: Platt PA Battery

Sample ID: LCS-74005	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS\$	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463614 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.91	0.050	1.000	0	90.9	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.8	80	120			
Sum: 4-Bromofluorobenzene	0.94		1.000		94.1	70	130			

Sample ID: mb-74005	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463615 Units: mg/Kg								
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								
Sum: 4-Bromofluorobenzene	0.92		1.000		91.8	70	130			

Sample ID: 2303d76-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BS23-32 4ft	Batch ID: 74005	RunNo: 95669								
Prep Date: 3/29/2023	Analysis Date: 3/30/2023	SeqNo: 3463629 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9671	0	92.9	68.8	120			
Toluene	0.93	0.048	0.9671	0.01707	94.4	73.6	124			
Ethylbenzene	0.95	0.048	0.9671	0	97.7	72.7	129			
Xylenes, Total	2.8	0.097	2.901	0	97.2	75.7	126			
Sum: 4-Bromofluorobenzene	0.90		0.9671		92.9	70	130			

Sample ID: 2303d76-002amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: BS23-32 4ft		Batch ID: 74005		RunNo: 95669						
Prep Date: 3/29/2023		Analysis Date: 3/31/2023		SeqNo: 3463630		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9699	0	97.0	68.8	120	4.57	20	
Toluene	0.96	0.048	0.9699	0.01707	96.9	73.6	124	2.83	20	
Ethylbenzene	0.96	0.048	0.9699	0	98.7	72.7	129	1.26	20	
Xylenes, Total	2.9	0.097	2.910	0	98.3	75.7	126	1.44	20	
Sum: 4-Bromofluorobenzene	0.91		0.9699		93.6	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- IB Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory
6001 Bucking Rd
Albuquerque, NM 87105
TEL: 505-425-1231 FAX: 505-425-4100
Website: www.hallelaboratory.com

Sample Log-In Check List

Client Name	Verlex Resources Services, Inc.	Work Order Number:	2303076	Rep#No.	1
Received By:	Tracy Casarrubias	3/29/2023 7:35:00 AM			
Completed by:	Tracy Casarrubias	3/29/2023 7:58:37 AM			
Reviewed By:	JN 3/29/23				

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐

2. How was the sample collected? Counter

Log in

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 5°C ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and CNG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 vial with headspace $<1\text{M}^3$ for AQ VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers microwave frozen? Yes ☐ No ☒

11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved bottles checked for pH. Adjusted? (<2 or >12 unless noted)

Checked by WJ 3/29/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____

By Whom: _____ Via ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.8	Good	Yes	Marty		



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

April 10, 2023

Chance Dixon

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Platt PA Battery

OrderNo.: 2304077

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/4/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2304077

Date Reported: 4/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WES23-56 0-4'

Project: Platt PA Battery

Collection Date: 3/31/2023 11:00:00 AM

Lab ID: 2304077-001

Matrix: SOIL

Received Date: 4/4/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/5/2023 8:42:59 PM	74150
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	270	9.6		mg/Kg	1	4/6/2023 4:29:20 PM	74121
Motor Oil Range Organics (MRO)	480	48		mg/Kg	1	4/6/2023 4:29:20 PM	74121
Surr: DNOP	103	69-147		%Rec	1	4/6/2023 4:29:20 PM	74121
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2023 12:11:09 PM	74113
Surr: BFB	98.5	37.7-212		%Rec	1	4/5/2023 12:11:09 PM	74113
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/5/2023 12:11:09 PM	74113
Toluene	ND	0.048		mg/Kg	1	4/5/2023 12:11:09 PM	74113
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2023 12:11:09 PM	74113
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2023 12:11:09 PM	74113
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	4/5/2023 12:11:09 PM	74113

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

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Analytical Report

Lab Order 2304077

Date Reported: 4/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BES23-42 4'

Project: Platt PA Battery

Collection Date: 3/31/2023 11:05:00 AM

Lab ID: 2304077-002

Matrix: SOIL

Received Date: 4/4/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	61		mg/Kg	20	4/5/2023 9:20:02 PM	74150
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	240	9.6		mg/Kg	1	4/6/2023 5:01:31 PM	74121
Motor Oil Range Organics (MRO)	570	48		mg/Kg	1	4/6/2023 5:01:31 PM	74121
Surr: DNOP	94.5	69-147		%Rec	1	4/6/2023 5:01:31 PM	74121
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2023 12:34:56 PM	74113
Surr: BFB	100	37.7-212		%Rec	1	4/5/2023 12:34:56 PM	74113
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	4/5/2023 12:34:56 PM	74113
Toluene	ND	0.049		mg/Kg	1	4/5/2023 12:34:56 PM	74113
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2023 12:34:56 PM	74113
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2023 12:34:56 PM	74113
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	4/5/2023 12:34:56 PM	74113

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

Qualifier:	* Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2304077

Date Reported: 4/10/2023

CLIENT: EOG**Client Sample ID:** BES23-43 4'**Project:** Platt PA Battery**Collection Date:** 3/31/2023 11:10:00 AM**Lab ID:** 2304077-003**Matrix:** SOIL**Received Date:** 4/4/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/5/2023 9:32:23 PM	74150
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	250	10		mg/Kg	1	4/6/2023 5:33:44 PM	74121
Motor Oil Range Organics (MRO)	590	50		mg/Kg	1	4/6/2023 5:33:44 PM	74121
Surr: DNOP	102	69-147		%Rec	1	4/6/2023 5:33:44 PM	74121
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2023 12:58:38 PM	74113
Surr: BFB	100	37.7-212		%Rec	1	4/5/2023 12:58:38 PM	74113
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/5/2023 12:58:38 PM	74113
Toluene	ND	0.048		mg/Kg	1	4/5/2023 12:58:38 PM	74113
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2023 12:58:38 PM	74113
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2023 12:58:38 PM	74113
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	4/5/2023 12:58:38 PM	74113

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	H Holding times for preparation or analysis exceeded	E Above Quantitation Range/Estimated Value
ND Not Detected at the Reporting Limit	PQL Practical Quantitative Limit	J Analyte detected below quantitation limits
PQL Practical Quantitative Limit	S % Recovery outside of standard limits. If undiluted results may be estimated.	P Sample pH Not In Range
		RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2304077

Date Reported: 4/10/2023

CLIENT: EOG**Client Sample ID:** BES23-44 4'**Project:** Platt PA Battery**Collection Date:** 3/31/2023 11:15:00 AM**Lab ID:** 2304077-004**Matrix:** SOIL**Received Date:** 4/4/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/5/2023 9:44:44 PM	74150
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	230	9.8		mg/Kg	1	4/6/2023 6:16:42 PM	74121
Motor Oil Range Organics (MRO)	590	49		mg/Kg	1	4/6/2023 6:16:42 PM	74121
Surr: DNOP	99.4	69-147		%Rec	1	4/6/2023 6:16:42 PM	74121
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/5/2023 1:22:21 PM	74113
Surr: BFB	101	37.7-212		%Rec	1	4/5/2023 1:22:21 PM	74113
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/5/2023 1:22:21 PM	74113
Toluene	ND	0.049		mg/Kg	1	4/5/2023 1:22:21 PM	74113
Ethylbenzene	ND	0.049		mg/Kg	1	4/5/2023 1:22:21 PM	74113
Xylenes, Total	ND	0.098		mg/Kg	1	4/5/2023 1:22:21 PM	74113
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	4/5/2023 1:22:21 PM	74113

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

Qualifier:	* Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304077

10-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: MB-74150	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74150	RunNo: 95824								
Prep Date: 4/5/2023	Analysis Date: 4/5/2023	SeqNo: 3468743 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74150	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74150	RunNo: 95824								
Prep Date: 4/5/2023	Analysis Date: 4/5/2023	SeqNo: 3468744 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304077

10-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: lca-74113	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74113	RunNo: 95822								
Prep Date: 4/4/2023	Analysis Date: 4/5/2023	SeqNo: 3468624 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	70	130			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-74113	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74113	RunNo: 95822								
Prep Date: 4/4/2023	Analysis Date: 4/5/2023	SeqNo: 3468626 Units: mg/Kg								
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		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304077

10-Apr-23

Client: EOG
Project: Platt PA Battery

Sample ID: LCS-74113	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 74113	RunNo: 95822								
Prep Date: 4/4/2023	Analysis Date: 4/5/2023	SeqNo: 3468661 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.5	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.89	0.050	1.000	0	89.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.2	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	70	130			

Sample ID: mb-74113	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74113	RunNo: 95822								
Prep Date: 4/4/2023	Analysis Date: 4/5/2023	SeqNo: 3468662 Units: mg/Kg								
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	0.87		1.000		87.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 7 of 7



Hall Environmental Analysis Laboratory
1601 Hawkins Rd.
Athens, Georgia 30606
TEL: 706-545-1075 FAX: 706-545-4067
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EDG Work Order Number: 2304077 Rep: No. 1

Received By: Juan Rojas 4/4/2023 7:25:00 AM

Completed By: Sean Livingston 4/4/2023 8:01:55 AM

Received By: *in 4/4/23*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Cooler

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $\leq 10^{\circ}\text{C}$ in 6 Hrs? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $< 1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note if no spaces on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for suit occasion.) Yes ☒ No ☐
of preserved bottles checked for pct: *Adjusted?* ☐
Checked by: *4/4/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies w/in this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good	Not Present	Minor		



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

April 12, 2023
Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Platt PA Battery

OrderNo.: 2304260

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/6/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2304260

Date Reported: 4/12/2023

CLIENT: EOG		Client Sample ID: WS23-57 4ft					
Project: Platt PA Battery		Collection Date: 4/4/2023 1:00:00 PM					
Lab ID: 2304260-001		Matrix: SOIL		Received Date: 4/6/2023 7:22:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	4/8/2023 1:57:48 AM	74211
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/10/2023 11:08:48 AM	74198
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2023 11:08:48 AM	74198
Surr: DNOP	76.6	69-147		%Rec	1	4/10/2023 11:08:48 AM	74198
EPA METHOD 8015D: GASOLINE RANGE							Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/8/2023 10:34:49 PM	74179
Surr: BFB	95.3	37.7-212		%Rec	1	4/8/2023 10:34:49 PM	74179
EPA METHOD 8021B: VOLATILES							Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	4/10/2023 12:18:01 PM	74179
Toluene	ND	0.048		mg/Kg	1	4/10/2023 12:18:01 PM	74179
Ethylbenzene	ND	0.048		mg/Kg	1	4/10/2023 12:18:01 PM	74179
Xylenes, Total	ND	0.095		mg/Kg	1	4/10/2023 12:18:01 PM	74179
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	4/10/2023 12:18:01 PM	74179

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
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 standard limits. If undiluted results may be estimated.	

Page 1 of 5

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304260

12-Apr-23

Client: EOG
Project: Platt PA Battery

Sample ID: MB-74211	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 74211	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471550 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-74211	SampType: lca	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 74211	RunNo: 95862								
Prep Date: 4/7/2023	Analysis Date: 4/7/2023	SeqNo: 3471551 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding time 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 standard limits. If undiluted results may be estimated. | |

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304260

12-Apr-23

Client: EOG
Project: Platt PA Battery

Sample ID: LCS-74202	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 74202	RunNo: 95894								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472132 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sur: DNOP 4.5 5.000 90.2 69 147

Sample ID: MB-74202	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74202	RunNo: 95894								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472133 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sur: DNOP 8.7 10.00 87.2 69 147

Sample ID: MB-74198	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 74198	RunNo: 95898								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472268 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)

ND

10

Motor Oil Range Organics (MRO)

ND

50

Sur: DNOP

8.3

10.00

83.4

69

147

Sample ID: LCS-74198	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 74198	RunNo: 95898								
Prep Date: 4/7/2023	Analysis Date: 4/10/2023	SeqNo: 3472269 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)

46

10

50.00

0

91.8

61.9

130

Sur: DNOP

4.4

5.000

88.5

69

147

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304260

12-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: lca-74179	SampType: LC\$	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471789 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.2	70	130			
Surr: BFB	1900		1000		185	37.7	212			

Sample ID: mb-74179	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3471791 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.7	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2304260

12-Apr-23

Client: EOG

Project: Platt PA Battery

Sample ID: LCS-74179	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3473502 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.0	80	120			
Toluene	0.87	0.050	1.000	0	86.6	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.0	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.5	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		84.2	70	130			

Sample ID: mb-74179	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 74179	RunNo: 95869								
Prep Date: 4/6/2023	Analysis Date: 4/8/2023	SeqNo: 3473503 Units: mg/Kg								
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		83.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory
 4901 Hankins NE
 Albuquerque, NM 87110
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2304260 Rep: No: 1

Received By: Tracy Casarrubias 4/5/2023 7:22:00 AM

Completed By: Tracy Casarrubias 4/5/2023 7:43:29 AM

Reviewed By: *801 4/6/23*

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☒ Not Present ☐

2. How was the sample delivered? Cooler

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

4. Were all samples received at a temperature of $\leq 0^{\circ}\text{C}$ in 6°C ? Yes ☒ No ☐ NA ☐

5. Sample(s) in proper container(s)? Yes ☒ No ☐

6. Sufficient sample volume for intended test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 vial with headspace $\leq 10\%$ for AQ VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analytes were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(≤ 2 or ≥ 12 unless noted)

Adjusted?

Checked by: *4/6/23*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
 By Whom: _____ Via ☐ eMail ☐ Phone ☐ Fax ☐ In Person
 Regarding: _____
 Client Instructions: _____
 (Missing mailing address, phone number and email on the COC-TMC 4/8/23)

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good	Yes	Monty		



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

July 25, 2022

Chase Settle
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Platt Battery

OrderNo.: 2207651

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/14/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2207651

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-10 0'

Project: Platt Battery

Collection Date: 7/12/2022 9:30:00 AM

Lab ID: 2207651-001

Matrix: SOIL

Received Date: 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3100	150		mg/Kg	50	7/20/2022 9:51:37 AM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	980	150		mg/Kg	10	7/18/2022 6:23:44 PM	68825
Motor Oil Range Organics (MRO)	2200	500		mg/Kg	10	7/18/2022 6:23:44 PM	68825
Surr: DNOP	0	51.1-141	S	%Rec	10	7/18/2022 6:23:44 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2022 6:46:05 PM	68814
Surr: BFB	102	37.7-212		%Rec	1	7/18/2022 6:46:05 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2022 6:46:05 PM	68814
Toluene	ND	0.048		mg/Kg	1	7/18/2022 6:46:05 PM	68814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2022 6:46:05 PM	68814
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2022 6:46:05 PM	68814
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/18/2022 6:46:05 PM	68814

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-10 2'**Project:** Platt Battery**Collection Date:** 7/12/2022 9:35:00 AM**Lab ID:** 2207651-002**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1100	60		mg/Kg	20	7/19/2022 1:35:12 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	830	140		mg/Kg	10	7/18/2022 7:11:45 PM	68825
Motor Oil Range Organics (MRO)	1300	470		mg/Kg	10	7/18/2022 7:11:45 PM	68825
Surr: DNOP	0	51.1-141	S	%Rec	10	7/18/2022 7:11:45 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2022 7:10:07 PM	68814
Surr: BFB	104	37.7-212		%Rec	1	7/18/2022 7:10:07 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/18/2022 7:10:07 PM	68814
Toluene	ND	0.050		mg/Kg	1	7/18/2022 7:10:07 PM	68814
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2022 7:10:07 PM	68814
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2022 7:10:07 PM	68814
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/18/2022 7:10:07 PM	68814

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-10 4'**Project:** Platt Battery**Collection Date:** 7/12/2022 9:40:00 AM**Lab ID:** 2207651-003**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1200	60		mg/Kg	20	7/19/2022 1:47:36 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	270	73		mg/Kg	5	7/19/2022 10:51:02 AM	68825
Motor Oil Range Organics (MRO)	440	240		mg/Kg	5	7/19/2022 10:51:02 AM	68825
Surr: DNOP	100	51.1-141		%Rec	5	7/19/2022 10:51:02 AM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2022 7:34:10 PM	68814
Surr: BFB	107	37.7-212		%Rec	1	7/18/2022 7:34:10 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2022 7:34:10 PM	68814
Toluene	ND	0.048		mg/Kg	1	7/18/2022 7:34:10 PM	68814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2022 7:34:10 PM	68814
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2022 7:34:10 PM	68814
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/18/2022 7:34:10 PM	68814

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-11 0'**Project:** Platt Battery**Collection Date:** 7/12/2022 9:45:00 AM**Lab ID:** 2207651-004**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	7/19/2022 2:49:40 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	48	15		mg/Kg	1	7/19/2022 12:02:50 PM	68825
Motor Oil Range Organics (MRO)	110	50		mg/Kg	1	7/19/2022 12:02:50 PM	68825
Surr: DNOP	94.7	51.1-141		%Rec	1	7/19/2022 12:02:50 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 7:58:13 PM	68814
Surr: BFB	102	37.7-212		%Rec	1	7/18/2022 7:58:13 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/18/2022 7:58:13 PM	68814
Toluene	ND	0.049		mg/Kg	1	7/18/2022 7:58:13 PM	68814
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 7:58:13 PM	68814
Xylenes, Total	ND	0.098		mg/Kg	1	7/18/2022 7:58:13 PM	68814
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/18/2022 7:58:13 PM	68814

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG		Client Sample ID: BH22-11 4'					
Project: Platt Battery		Collection Date: 7/12/2022 9:55:00 AM					
Lab ID: 2207651-005		Matrix: SOIL	Received Date: 7/14/2022 7:00:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1100	60		mg/Kg	20	7/19/2022 3:02:04 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	5100	150		mg/Kg	10	7/18/2022 8:47:44 PM	68825
Motor Oil Range Organics (MRO)	3300	490		mg/Kg	10	7/18/2022 8:47:44 PM	68825
Surr: DNOP	0	51.1-141	S	%Rec	10	7/18/2022 8:47:44 PM	68825
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	120	24		mg/Kg	5	7/18/2022 8:22:05 PM	68814
Surr: BFB	305	37.7-212	S	%Rec	5	7/18/2022 8:22:05 PM	68814
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	7/18/2022 8:22:05 PM	68814
Toluene	ND	0.24		mg/Kg	5	7/18/2022 8:22:05 PM	68814
Ethylbenzene	3.2	0.24		mg/Kg	5	7/18/2022 8:22:05 PM	68814
Xylenes, Total	1.8	0.48		mg/Kg	5	7/18/2022 8:22:05 PM	68814
Surr: 4-Bromofluorobenzene	129	70-130		%Rec	5	7/18/2022 8:22:05 PM	68814

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-11 12'**Project:** Platt Battery**Collection Date:** 7/12/2022 2:00:00 PM**Lab ID:** 2207651-006**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1600	60		mg/Kg	20	7/19/2022 3:14:29 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	590	71		mg/Kg	5	7/20/2022 2:25:55 PM	68859
Motor Oil Range Organics (MRO)	380	240		mg/Kg	5	7/20/2022 2:25:55 PM	68859
Surr: DNOP	110	51.1-141		%Rec	5	7/20/2022 2:25:55 PM	68859
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/18/2022 7:55:00 PM	68819
Surr: BFB	109	37.7-212		%Rec	5	7/18/2022 7:55:00 PM	68819
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	7/18/2022 7:55:00 PM	68819
Toluene	ND	0.25		mg/Kg	5	7/18/2022 7:55:00 PM	68819
Ethylbenzene	ND	0.25		mg/Kg	5	7/18/2022 7:55:00 PM	68819
Xylenes, Total	ND	0.49		mg/Kg	5	7/18/2022 7:55:00 PM	68819
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	5	7/18/2022 7:55:00 PM	68819

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

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Analytical Report

Lab Order 2207651

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-12 0'

Project: Platt Battery

Collection Date: 7/12/2022 1:00:00 PM

Lab ID: 2207651-007

Matrix: SOIL

Received Date: 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	73	60		mg/Kg	20	7/19/2022 3:26:54 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	990	150		mg/Kg	10	7/19/2022 4:01:44 PM	68889
Motor Oil Range Organics (MRO)	1900	500		mg/Kg	10	7/19/2022 4:01:44 PM	68889
Surr: DNOP	0	51.1-141	S	%Rec	10	7/19/2022 4:01:44 PM	68889
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/18/2022 8:55:00 PM	68819
Surr: BFB	81.8	37.7-212		%Rec	1	7/18/2022 8:55:00 PM	68819
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/18/2022 8:55:00 PM	68819
Toluene	ND	0.050		mg/Kg	1	7/18/2022 8:55:00 PM	68819
Ethylbenzene	ND	0.050		mg/Kg	1	7/18/2022 8:55:00 PM	68819
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2022 8:55:00 PM	68819
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	7/18/2022 8:55:00 PM	68819

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level	B
D	Sample Diluted Due to Matrix	E
H	Holding times for preparation or analysis exceeded	J
ND	Not Detected at the Reporting Limit	P
PQL	Practical Quantitative Limit	RL
S	% Recovery outside of range due to dilution or matrix interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-12 4'**Project:** Platt Battery**Collection Date:** 7/12/2022 1:10:00 PM**Lab ID:** 2207651-008**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1200	60		mg/Kg	20	7/19/2022 3:39:18 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	7400	140		mg/Kg	10	7/19/2022 5:12:56 PM	68859
Motor Oil Range Organics (MRO)	3200	460		mg/Kg	10	7/19/2022 5:12:56 PM	68859
Surr: DNOP	0	51.1-141	S	%Rec	10	7/19/2022 5:12:56 PM	68859
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	410	25		mg/Kg	5	7/18/2022 9:55:00 PM	68819
Surr: BFB	413	37.7-212	S	%Rec	5	7/18/2022 9:55:00 PM	68819
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.21	0.12		mg/Kg	5	7/18/2022 9:55:00 PM	68819
Toluene	ND	0.25		mg/Kg	5	7/18/2022 9:55:00 PM	68819
Ethylbenzene	15	0.25		mg/Kg	5	7/18/2022 9:55:00 PM	68819
Xylenes, Total	16	0.49		mg/Kg	5	7/18/2022 9:55:00 PM	68819
Surr: 4-Bromofluorobenzene	244	70-130	S	%Rec	5	7/18/2022 9:55:00 PM	68819

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

Qualifiers:			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207651

Date Reported: 7/25/2022

CLIENT: EOG**Client Sample ID:** BH22-12 7'**Project:** Platt Battery**Collection Date:** 7/12/2022 1:20:00 PM**Lab ID:** 2207651-009**Matrix:** SOIL**Received Date:** 7/14/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	600	60		mg/Kg	20	7/19/2022 3:51:42 PM	68889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	590	14		mg/Kg	1	7/19/2022 6:00:32 PM	68859
Motor Oil Range Organics (MRO)	270	46		mg/Kg	1	7/19/2022 6:00:32 PM	68859
Surr: DNOP	0	51.1-141	S	%Rec	1	7/19/2022 6:00:32 PM	68859
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	500	24		mg/Kg	5	7/18/2022 10:14:00 PM	68819
Surr: BFB	490	37.7-212	S	%Rec	5	7/18/2022 10:14:00 PM	68819
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	0.44	0.12		mg/Kg	5	7/18/2022 10:14:00 PM	68819
Toluene	ND	0.24		mg/Kg	5	7/18/2022 10:14:00 PM	68819
Ethylbenzene	22	0.24		mg/Kg	5	7/18/2022 10:14:00 PM	68819
Xylenes, Total	20	0.49		mg/Kg	5	7/18/2022 10:14:00 PM	68819
Surr: 4-Bromofluorobenzene	276	70-130	S	%Rec	5	7/18/2022 10:14:00 PM	68819

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

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207651

25-Jul-22

Client: EOG**Project:** Platt Battery

Sample ID: MB-68889	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68889	RunNo: 89628								
Prep Date: 7/19/2022	Analysis Date: 7/19/2022	SeqNo: 3191050 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68889	SampType: lca	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68889	RunNo: 89628								
Prep Date: 7/19/2022	Analysis Date: 7/19/2022	SeqNo: 3191051 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207651

25-Jul-22

Client: EOG
Project: Platt Battery

Sample ID: MB-68848	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68848	RunNo: 89573								
Prep Date: 7/18/2022	Analysis Date: 7/18/2022	SeqNo: 3188497 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Surr: DNOP 7.3 10.00 73.1 51.1 141

Sample ID: LCS-68848	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS\$	Batch ID: 68848	RunNo: 89573								
Prep Date: 7/18/2022	Analysis Date: 7/18/2022	SeqNo: 3188498			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr.DNCP	3.0		5.000		60.5	5.1	141			

Surr: DNOP 3.0 5.000 60.5 51.1 141

Sample ID: MB-68825	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189637			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr. DNOP	7.3		10.00		72.6	51.1	141			

Diesel Range Organics (DRO)

ND

15

Motor Oil Range Organics (MRO)

ND

50

Surr: DNOP 7.3 10.00 72.6 51.1 141

Sample ID: LCS-68825	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS\$	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189638 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	15	50.00	0	76.1	64.4	127			
Surr: DNOP	3.7		5.000		73.3	51.1	141			

Diesel Range Organics (DRO)

38

15

50.00

0

76.1

64.4

127

Surr: DNOP 3.7 5.000 73.3 51.1 141

Sample ID: MB-68859	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68859	RunNo: 89602								
Prep Date: 7/18/2022	Analysis Date: 7/19/2022	SeqNo: 3191340			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	5.3		10.00		53.1	51.1	141			

Diesel Range Organics (DRO)

ND

15

Motor Oil Range Organics (MRO)

ND

50

Surr: DNOP 5.3 10.00 53.1 51.1 141

Sample ID: LCS-68859	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68859	RunNo: 89602								
Prep Date: 7/18/2022	Analysis Date: 7/19/2022	SeqNo: 3191341 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level
 D Sample Diluted Due to Matrix
 H Holding time 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 interference

B Analyte detected in the associated Method Blank
 E Estimated value
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207651

25-Jul-22

Client: EOG**Project:** Platt Battery

Sample ID: LCS-68859	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 68859	RunNo: 89602								
Prep Date: 7/18/2022	Analysis Date: 7/19/2022	SeqNo: 3191341 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Diesel Range Organics (DRO)	38	15	50.00	0	76.5	64.4	127			
Surr: DNOP	3.0		5.000		59.3	51.1	141			

Sample ID: MB-68860	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68860	RunNo: 89602								
Prep Date: 7/18/2022	Analysis Date: 7/19/2022	SeqNo: 3191354 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	5.6		10.00		55.9	51.1	141			

Sample ID: LCS-68860	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS	Batch ID: 68860	RunNo: 89642								
Prep Date: 7/18/2022	Analysis Date: 7/20/2022	SeqNo: 3192049 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPO	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	51.1	141			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207651

25-Jul-22

Client: EOG

Project: Platt Battery

Sample ID: lca-68819	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 68819	RunNo: 89553								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3188815 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.8	72.3	137			
Surr: BFB	1900		1000		185	37.7	212			

Sample ID: mb-68819	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68819	RunNo: 89553								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3188816 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.1	37.7	212			

Sample ID: mb-68814	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189011 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	37.7	212			

Sample ID: lca-68814	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189012 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2000		1000		197	37.7	212			

Sample ID: mb-68831	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68831	RunNo: 89576								
Prep Date: 7/16/2022	Analysis Date: 7/19/2022	SeqNo: 3189059 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.2	37.7	212			

Sample ID: lca-68831	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 68831	RunNo: 89576								
Prep Date: 7/16/2022	Analysis Date: 7/19/2022	SeqNo: 3189060 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100		1000		210	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not in Range
- RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207651

25-Jul-22

Client: EOG
Project: Platt Battery

Sample ID: lcs-68819	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 68819	RunNo: 89553								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3188863 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	80.6	80	120			
Toluene	0.82	0.050	1.000	0	81.7	80	120			
Ethylbenzene	0.81	0.050	1.000	0	81.4	80	120			
Xylenes, Total	2.4	0.10	3.000	0	80.5	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.4	70	130			

Sample ID: mb-68819	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68819		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3188864				Units: mg/Kg			
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	0.82		1.000		82.1	70	130			

Sample ID: mb-68814	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189074 Units: mg/Kg								
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	1.1		1.000		107	70	130			

Sample ID: LCS-68814	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS\$	Batch ID: 68814	RunNo: 89576								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3189075 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.9	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2207651

25-Jul-22

Client: EOG**Project:** Platt Battery

Sample ID: mb-68831	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68831	RunNo: 89576								
Prep Date: 7/16/2022	Analysis Date: 7/19/2022	SeqNo: 3189098 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-68831	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS\$	Batch ID: 68831	RunNo: 89576								
Prep Date: 7/16/2022	Analysis Date: 7/19/2022	SeqNo: 3189099 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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Hall Environmental Analysis Laboratory
 4901 Highway 46
 Albuquerque, NM 87109
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2207651

Rec'd No: 1

Received By: Juan Rojas

7/14/2022 7:03:00 AM

Completed By: Sean Livingston

7/14/2022 11:20:30 AM

Reviewed By:

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
 2. How was the sample delivered? Courier

Log In

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

of preserved
bottles checked
for pH:
(<2 or >12 unless noted)
Adjusted?

Checked by: SA 7/14/22Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	21	Good				

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-16 0'					
Project: Platt Battery		Collection Date: 7/14/2022 9:00:00 AM					
Lab ID: 2207816-001		Matrix: SOIL		Received Date: 7/16/2022 10:15:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5900	300		mg/Kg	100	7/22/2022 8:46:25 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	7900	740		mg/Kg	50	7/21/2022 7:21:19 PM	68897
Motor Oil Range Organics (MRO)	9200	2500		mg/Kg	50	7/21/2022 7:21:19 PM	68897
Sum: DNOP	0	51.1-141	S	%Rec	50	7/21/2022 7:21:19 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/20/2022 9:27:00 PM	68881
Sum: BFB	92.7	37.7-212		%Rec	5	7/20/2022 9:27:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	7/20/2022 9:27:00 PM	68881
Toluene	ND	0.24		mg/Kg	5	7/20/2022 9:27:00 PM	68881
Ethylbenzene	ND	0.24		mg/Kg	5	7/20/2022 9:27:00 PM	68881
Xylenes, Total	ND	0.49		mg/Kg	5	7/20/2022 9:27:00 PM	68881
Sum: 4-Bromofluorobenzene	89.0	70-130		%Rec	5	7/20/2022 9:27:00 PM	68881

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-16 2'					
Project: Platt Battery		Collection Date: 7/14/2022 9:05:00 AM					
Lab ID: 2207816-002		Matrix: SOIL		Received Date: 7/16/2022 10:15:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5700	300		mg/Kg	100	7/22/2022 8:58:46 AM	68897
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/21/2022 3:46:00 AM	68897
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2022 3:46:00 AM	68897
Sum: DNOP	66.1	51.1-141		%Rec	1	7/21/2022 3:46:00 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/20/2022 9:46:00 PM	68881
Sum: BFB	90.3	37.7-212		%Rec	1	7/20/2022 9:46:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	7/20/2022 9:46:00 PM	68881
Toluene	ND	0.048		mg/Kg	1	7/20/2022 9:46:00 PM	68881
Ethylbenzene	ND	0.048		mg/Kg	1	7/20/2022 9:46:00 PM	68881
Xylenes, Total	ND	0.097		mg/Kg	1	7/20/2022 9:46:00 PM	68881
Sum: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	7/20/2022 9:46:00 PM	68881

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-16 4'					
Project: Platt Battery		Collection Date: 7/14/2022 9:10:00 AM					
Lab ID: 2207816-003		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5200	300		mg/Kg	100	7/22/2022 9:11:07 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/21/2022 3:59:38 AM	68897
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/21/2022 3:59:38 AM	68897
Surr: DNOP	66.6	51.1-141		%Rec	1	7/21/2022 3:59:38 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2022 10:06:00 PM	68881
Surr: BFB	92.0	37.7-212		%Rec	1	7/20/2022 10:06:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/20/2022 10:06:00 PM	68881
Toluene	ND	0.050		mg/Kg	1	7/20/2022 10:06:00 PM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2022 10:06:00 PM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/20/2022 10:06:00 PM	68881
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	7/20/2022 10:06:00 PM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-17 0'					
Project: Platt Battery		Collection Date: 7/14/2022 9:30:00 AM					
Lab ID: 2207816-004	Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	9500	600		mg/Kg	200	7/22/2022 9:23:28 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	5800	1500		mg/Kg	100	7/20/2022 9:33:48 PM	68897
Motor Oil Range Organics (MRO)	6500	4900		mg/Kg	100	7/20/2022 9:33:48 PM	68897
Surr: DNOP	0	51.1-141	S	%Rec	100	7/20/2022 9:33:48 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/20/2022 10:26:00 PM	68881
Surr: BFB	93.3	37.7-212		%Rec	5	7/20/2022 10:26:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	7/20/2022 10:26:00 PM	68881
Toluene	ND	0.25		mg/Kg	5	7/20/2022 10:26:00 PM	68881
Ethylbenzene	ND	0.25		mg/Kg	5	7/20/2022 10:26:00 PM	68881
Xylenes, Total	ND	0.50		mg/Kg	5	7/20/2022 10:26:00 PM	68881
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	5	7/20/2022 10:26:00 PM	68881

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

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

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-17 2'					
Project: Platt Battery		Collection Date: 7/14/2022 9:35:00 AM					
Lab ID: 2207816-005		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5900	300		mg/Kg	100	7/22/2022 9:35:48 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	7100	720		mg/Kg	50	7/21/2022 6:09:46 PM	68897
Motor Oil Range Organics (MRO)	8600	2400		mg/Kg	50	7/21/2022 6:09:46 PM	68897
Surr: DNOP	0	51.1-141	S	%Rec	50	7/21/2022 6:09:46 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	7/20/2022 10:46:00 PM	68881
Surr: BFB	93.7	37.7-212		%Rec	5	7/20/2022 10:46:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	7/20/2022 10:46:00 PM	68881
Toluene	ND	0.25		mg/Kg	5	7/20/2022 10:46:00 PM	68881
Ethylbenzene	ND	0.25		mg/Kg	5	7/20/2022 10:46:00 PM	68881
Xylenes, Total	ND	0.50		mg/Kg	5	7/20/2022 10:46:00 PM	68881
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	5	7/20/2022 10:46:00 PM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-17 4'					
Project: Platt Battery		Collection Date: 7/14/2022 9:40:00 AM					
Lab ID: 2207816-006		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6000	300		mg/Kg	100	7/22/2022 9:48:09 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	91	15		mg/Kg	1	7/21/2022 2:35:13 PM	68897
Motor Oil Range Organics (MRO)	98	50		mg/Kg	1	7/21/2022 2:35:13 PM	68897
Surr: DNOP	104	51.1-141		%Rec	1	7/21/2022 2:35:13 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2022 11:06:00 PM	68881
Surr: BFB	92.3	37.7-212		%Rec	1	7/20/2022 11:06:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/20/2022 11:06:00 PM	68881
Toluene	ND	0.049		mg/Kg	1	7/20/2022 11:06:00 PM	68881
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2022 11:06:00 PM	68881
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2022 11:06:00 PM	68881
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	7/20/2022 11:06:00 PM	68881

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

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

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-18 0'					
Project: Platt Battery		Collection Date: 7/14/2022 9:45:00 AM					
Lab ID: 2207816-007		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	9700	300		mg/Kg	100	7/22/2022 10:00:29 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	30	13		mg/Kg	1	7/21/2022 1:23:49 PM	68897
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/21/2022 1:23:49 PM	68897
Surr: DNOP	91.4	51.1-141		%Rec	1	7/21/2022 1:23:49 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/20/2022 11:25:00 PM	68881
Surr: BFB	91.2	37.7-212		%Rec	1	7/20/2022 11:25:00 PM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/20/2022 11:25:00 PM	68881
Toluene	ND	0.050		mg/Kg	1	7/20/2022 11:25:00 PM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/20/2022 11:25:00 PM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/20/2022 11:25:00 PM	68881
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	7/20/2022 11:25:00 PM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-18 2'					
Project: Platt Battery		Collection Date: 7/14/2022 9:50:00 AM					
Lab ID: 2207816-008		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5500	300		mg/Kg	100	7/22/2022 10:45:56 AM	68897
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/21/2022 4:13:01 AM	68897
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2022 4:13:01 AM	68897
Surr: DNOP	65.8	51.1-141		%Rec	1	7/21/2022 4:13:01 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2022 12:05:00 AM	68881
Surr: BFB	93.9	37.7-212		%Rec	1	7/21/2022 12:05:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 12:05:00 AM	68881
Toluene	ND	0.050		mg/Kg	1	7/21/2022 12:05:00 AM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2022 12:05:00 AM	68881
Xylenes, Total	ND	0.10		mg/Kg	1	7/21/2022 12:05:00 AM	68881
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	7/21/2022 12:05:00 AM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-18 4'					
Project: Platt Battery		Collection Date: 7/14/2022 9:55:00 AM					
Lab ID: 2207816-009		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4100	150		mg/Kg	50	7/22/2022 10:58:17 AM	68957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/21/2022 4:26:25 AM	68897
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/21/2022 4:26:25 AM	68897
Surr: DNOP	64.7	51.1-141		%Rec	1	7/21/2022 4:26:25 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2022 12:25:00 AM	68881
Surr: BFB	93.5	37.7-212		%Rec	1	7/21/2022 12:25:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 12:25:00 AM	68881
Toluene	ND	0.050		mg/Kg	1	7/21/2022 12:25:00 AM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2022 12:25:00 AM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2022 12:25:00 AM	68881
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	7/21/2022 12:25:00 AM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-19 0'					
Project: Platt Battery		Collection Date: 7/14/2022 2:00:00 PM					
Lab ID: 2207816-010		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1800	60		mg/Kg	20	7/21/2022 5:33:20 PM	68868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/21/2022 4:09:38 PM	68897
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/21/2022 4:09:38 PM	68897
Sum: DNOP	120	51.1-141		%Rec	1	7/21/2022 4:09:38 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2022 12:44:00 AM	68881
Sum: BFB	92.2	37.7-212		%Rec	1	7/21/2022 12:44:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 12:44:00 AM	68881
Toluene	ND	0.049		mg/Kg	1	7/21/2022 12:44:00 AM	68881
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2022 12:44:00 AM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2022 12:44:00 AM	68881
Sum: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	7/21/2022 12:44:00 AM	68881

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Analytical Report

Lab Order 2207816

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH22-19 2'

Project: Platt Battery

Collection Date: 7/14/2022 2:05:00 PM

Lab ID: 2207816-011

Matrix: SOIL

Received Date: 7/16/2022 10:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2500	150		mg/Kg	50	7/22/2022 11:10:37 AM	68868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/21/2022 4:53:12 AM	68897
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2022 4:53:12 AM	68897
Surr: DNOP	61.5	51.1-141		%Rec	1	7/21/2022 4:53:12 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2022 1:04:00 AM	68881
Surr: BFB	94.8	37.7-212		%Rec	1	7/21/2022 1:04:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	7/21/2022 1:04:00 AM	68881
Toluene	ND	0.049		mg/Kg	1	7/21/2022 1:04:00 AM	68881
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2022 1:04:00 AM	68881
Xylenes, Total	ND	0.098		mg/Kg	1	7/21/2022 1:04:00 AM	68881
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	7/21/2022 1:04:00 AM	68881

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-19 4'					
Project: Platt Battery		Collection Date: 7/14/2022 2:10:00 PM					
Lab ID: 2207816-012		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2200	150		mg/Kg	50	7/22/2022 11:22:58 AM	68868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/21/2022 5:06:39 AM	68897
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/21/2022 5:06:39 AM	68897
Surr: DNOP	61.6	51.1-141		%Rec	1	7/21/2022 5:06:39 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2022 1:24:00 AM	68881
Surr: BFB	91.2	37.7-212		%Rec	1	7/21/2022 1:24:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 1:24:00 AM	68881
Toluene	ND	0.050		mg/Kg	1	7/21/2022 1:24:00 AM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2022 1:24:00 AM	68881
Xylenes, Total	ND	0.10		mg/Kg	1	7/21/2022 1:24:00 AM	68881
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	7/21/2022 1:24:00 AM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Analytical Report
Lab Order 2207816
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG		Client Sample ID: BH22-20 0'					
Project: Platt Battery		Collection Date: 7/14/2022 2:15:00 PM					
Lab ID: 2207816-013		Matrix: SOIL		Received Date: 7/16/2022 10:15:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	950	60		mg/Kg	20	7/21/2022 6:35:22 PM	68868
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	640	140		mg/Kg	10	7/20/2022 9:10:05 PM	68897
Motor Oil Range Organics (MRO)	1000	460		mg/Kg	10	7/20/2022 9:10:05 PM	68897
Surr: DNOP	0	51.1-141	S	%Rec	10	7/20/2022 9:10:05 PM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2022 1:43:00 AM	68881
Surr: BFB	89.8	37.7-212		%Rec	1	7/21/2022 1:43:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 1:43:00 AM	68881
Toluene	ND	0.050		mg/Kg	1	7/21/2022 1:43:00 AM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2022 1:43:00 AM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2022 1:43:00 AM	68881
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	7/21/2022 1:43:00 AM	68881

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

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

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-20 2'					
Project: Platt Battery		Collection Date: 7/14/2022 2:20:00 PM					
Lab ID: 2207816-014		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1600	60		mg/Kg	20	7/21/2022 6:47:47 PM	68968
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/21/2022 5:20:02 AM	68897
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/21/2022 5:20:02 AM	68897
Surr: DNOP	65.6	51.1-141		%Rec	1	7/21/2022 5:20:02 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2022 2:03:00 AM	68881
Surr: BFB	89.3	37.7-212		%Rec	1	7/21/2022 2:03:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 2:03:00 AM	68881
Toluene	ND	0.049		mg/Kg	1	7/21/2022 2:03:00 AM	68881
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2022 2:03:00 AM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2022 2:03:00 AM	68881
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	7/21/2022 2:03:00 AM	68881

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	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 interference		

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2207816

Date Reported:

CLIENT: EOG		Client Sample ID: BH22-20 4'					
Project: Platt Battery		Collection Date: 7/14/2022 2:25:00 PM					
Lab ID: 2207816-015		Matrix: SOIL	Received Date: 7/16/2022 10:15:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1500	60		mg/Kg	20	7/21/2022 7:00:11 PM	68968
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/21/2022 5:33:23 AM	68897
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/21/2022 5:33:23 AM	68897
Sum: DNOP	60.1	51.1-141		%Rec	1	7/21/2022 5:33:23 AM	68897
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/21/2022 2:23:00 AM	68881
Sum: BFB	95.1	37.7-212		%Rec	1	7/21/2022 2:23:00 AM	68881
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/21/2022 2:23:00 AM	68881
Toluene	ND	0.050		mg/Kg	1	7/21/2022 2:23:00 AM	68881
Ethylbenzene	ND	0.050		mg/Kg	1	7/21/2022 2:23:00 AM	68881
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2022 2:23:00 AM	68881
Sum: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	7/21/2022 2:23:00 AM	68881

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

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Estimated value
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 interference	

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

October 17, 2022

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Platt PA Tank Battery

OrderNo.: 2210001

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 14 sample(s) on 10/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-01 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:15:00 PM**Lab ID:** 2210001-001**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	930	130		mg/Kg	10	10/7/2022 1:13:54 PM
Motor Oil Range Organics (MRO)	1200	430		mg/Kg	10	10/7/2022 1:13:54 PM
Surr: DNOP	0	21-129	S	%Rec	10	10/7/2022 1:13:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2022 3:47:02 PM
Surr: BFB	88.1	37.7-212		%Rec	1	10/4/2022 3:47:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 3:47:02 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2022 3:47:02 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2022 3:47:02 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/4/2022 3:47:02 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	10/4/2022 3:47:02 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	4100	150		mg/Kg	50	10/7/2022 7:08:00 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-02 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:20:00 PM**Lab ID:** 2210001-002**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	2700	720		mg/Kg	50	10/6/2022 6:10:48 PM
Motor Oil Range Organics (MRO)	3800	2400		mg/Kg	50	10/6/2022 6:10:48 PM
Surr: DNOP	0	21-129	S	%Rec	50	10/6/2022 6:10:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/4/2022 4:10:28 PM
Surr: BFB	92.9	37.7-212		%Rec	5	10/4/2022 4:10:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/4/2022 4:10:28 PM
Toluene	ND	0.25		mg/Kg	5	10/4/2022 4:10:28 PM
Ethylbenzene	ND	0.25		mg/Kg	5	10/4/2022 4:10:28 PM
Xylenes, Total	ND	0.49		mg/Kg	5	10/4/2022 4:10:28 PM
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	5	10/4/2022 4:10:28 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	5100	150		mg/Kg	50	10/7/2022 7:20:24 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-03 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:25:00 PM**Lab ID:** 2210001-003**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	510	72		mg/Kg	5	10/7/2022 1:45:35 PM
Motor Oil Range Organics (MRO)	960	240		mg/Kg	5	10/7/2022 1:45:35 PM
Surr: DNOP	39.6	21-129		%Rec	5	10/7/2022 1:45:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/4/2022 4:34:04 PM
Surr: BFB	89.1	37.7-212		%Rec	1	10/4/2022 4:34:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 4:34:04 PM
Toluene	ND	0.050		mg/Kg	1	10/4/2022 4:34:04 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2022 4:34:04 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/4/2022 4:34:04 PM
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	10/4/2022 4:34:04 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	2100	150		mg/Kg	50	10/7/2022 7:57:37 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-04 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:30:00 PM**Lab ID:** 2210001-004**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	590	75		mg/Kg	5	10/7/2022 2:17:14 PM
Motor Oil Range Organics (MRO)	840	250		mg/Kg	5	10/7/2022 2:17:14 PM
Surr: DNOP	48.2	21-129		%Rec	5	10/7/2022 2:17:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2022 4:57:30 PM
Surr: BFB	86.7	37.7-212		%Rec	1	10/4/2022 4:57:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 4:57:30 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2022 4:57:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2022 4:57:30 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/4/2022 4:57:30 PM
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	10/4/2022 4:57:30 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	6900	300		mg/Kg	100	10/7/2022 8:10:01 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-05 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:35:00 PM**Lab ID:** 2210001-005**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	270	69		mg/Kg	5	10/7/2022 3:38:29 PM
Motor Oil Range Organics (MRO)	740	230		mg/Kg	5	10/7/2022 3:38:29 PM
Surr: DNOP	43.0	21-129		%Rec	5	10/7/2022 3:38:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/4/2022 5:20:55 PM
Surr: BFB	87.5	37.7-212		%Rec	1	10/4/2022 5:20:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 5:20:55 PM
Toluene	ND	0.050		mg/Kg	1	10/4/2022 5:20:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2022 5:20:55 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/4/2022 5:20:55 PM
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	10/4/2022 5:20:55 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	2700	150		mg/Kg	50	10/7/2022 8:22:25 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** WES22-06 0-4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:40:00 PM**Lab ID:** 2210001-006**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	1300	140		mg/Kg	10	10/7/2022 4:10:32 PM
Motor Oil Range Organics (MRO)	2700	480		mg/Kg	10	10/7/2022 4:10:32 PM
Surr: DNOP	0	21-129	S	%Rec	10	10/7/2022 4:10:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/4/2022 5:44:21 PM
Surr: BFB	91.3	37.7-212		%Rec	5	10/4/2022 5:44:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/4/2022 5:44:21 PM
Toluene	ND	0.24		mg/Kg	5	10/4/2022 5:44:21 PM
Ethylbenzene	ND	0.24		mg/Kg	5	10/4/2022 5:44:21 PM
Xylenes, Total	ND	0.49		mg/Kg	5	10/4/2022 5:44:21 PM
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	5	10/4/2022 5:44:21 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	1500	60		mg/Kg	20	10/6/2022 1:27:39 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-01 4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:45:00 PM**Lab ID:** 2210001-007**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	2000	720		mg/Kg	50	10/6/2022 7:04:13 PM
Motor Oil Range Organics (MRO)	3300	2400		mg/Kg	50	10/6/2022 7:04:13 PM
Surr: DNOP	0	21-129	S	%Rec	50	10/6/2022 7:04:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2022 7:18:27 PM
Surr: BFB	90.6	37.7-212		%Rec	1	10/4/2022 7:18:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/4/2022 7:18:27 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2022 7:18:27 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2022 7:18:27 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/4/2022 7:18:27 PM
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	10/4/2022 7:18:27 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	2300	60		mg/Kg	20	10/6/2022 1:40:04 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level	II Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-02 4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:50:00 PM**Lab ID:** 2210001-008**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	2500	1400		mg/Kg	100	10/6/2022 7:14:57 PM
Motor Oil Range Organics (MRO)	10000	4800		mg/Kg	100	10/6/2022 7:14:57 PM
Surr: DNOP	0	21-129	S	%Rec	100	10/6/2022 7:14:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/4/2022 7:42:00 PM
Surr: BFB	91.4	37.7-212		%Rec	5	10/4/2022 7:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/4/2022 7:42:00 PM
Toluene	ND	0.24		mg/Kg	5	10/4/2022 7:42:00 PM
Ethylbenzene	ND	0.24		mg/Kg	5	10/4/2022 7:42:00 PM
Xylenes, Total	ND	0.48		mg/Kg	5	10/4/2022 7:42:00 PM
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	5	10/4/2022 7:42:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	4700	150		mg/Kg	50	10/7/2022 8:34:50 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-03 4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 1:55:00 PM**Lab ID:** 2210001-009**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	29	15		mg/Kg	1	10/7/2022 4:42:39 PM
Motor Oil Range Organics (MRO)	89	49		mg/Kg	1	10/7/2022 4:42:39 PM
Surr: DNOP	74.2	21-129		%Rec	1	10/7/2022 4:42:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/4/2022 8:05:24 PM
Surr: BFB	93.6	37.7-212		%Rec	1	10/4/2022 8:05:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/4/2022 8:05:24 PM
Toluene	ND	0.047		mg/Kg	1	10/4/2022 8:05:24 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2022 8:05:24 PM
Xylenes, Total	ND	0.095		mg/Kg	1	10/4/2022 8:05:24 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/4/2022 8:05:24 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	690	60		mg/Kg	20	10/6/2022 2:29:43 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level	II Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-04 4'**Project:** Platt PA Tank Battery**Collection Date:** 9/27/2022 2:00:00 PM**Lab ID:** 2210001-010**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	620	68		mg/Kg	5	10/7/2022 5:22:37 PM
Motor Oil Range Organics (MRO)	1400	230		mg/Kg	5	10/7/2022 5:22:37 PM
Surr: DNOP	30.2	21-129		%Rec	5	10/7/2022 5:22:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2022 8:28:45 PM
Surr: BFB	92.5	37.7-212		%Rec	1	10/4/2022 8:28:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/4/2022 8:28:45 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2022 8:28:45 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2022 8:28:45 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/4/2022 8:28:45 PM
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	10/4/2022 8:28:45 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	1100	60		mg/Kg	20	10/6/2022 2:42:07 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-01 5'**Project:** Platt PA Tank Battery**Collection Date:** 9/29/2022 11:30:00 AM**Lab ID:** 2210001-011**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	1100	150		mg/Kg	10	10/7/2022 6:05:40 PM
Motor Oil Range Organics (MRO)	2100	490		mg/Kg	10	10/7/2022 6:05:40 PM
Surr: DNOP	0	21-129	S	%Rec	10	10/7/2022 6:05:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/4/2022 8:52:09 PM
Surr: BFB	92.7	37.7-212		%Rec	1	10/4/2022 8:52:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 8:52:09 PM
Toluene	ND	0.050		mg/Kg	1	10/4/2022 8:52:09 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2022 8:52:09 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/4/2022 8:52:09 PM
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	10/4/2022 8:52:09 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	2000	60		mg/Kg	20	10/6/2022 2:54:32 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level	II Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-02 5'**Project:** Platt PA Tank Battery**Collection Date:** 9/29/2022 11:45:00 AM**Lab ID:** 2210001-012**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	31000	1400		mg/Kg	100	10/6/2022 8:18:52 PM
Motor Oil Range Organics (MRO)	19000	4800		mg/Kg	100	10/6/2022 8:18:52 PM
Surr: DNOP	0	21-129	S	%Rec	100	10/6/2022 8:18:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	320	99		mg/Kg	20	10/4/2022 9:15:35 PM
Surr: BFB	167	37.7-212		%Rec	20	10/4/2022 9:15:35 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	1.1	0.49		mg/Kg	20	10/4/2022 9:15:35 PM
Toluene	4.1	0.99		mg/Kg	20	10/4/2022 9:15:35 PM
Ethylbenzene	12	0.99		mg/Kg	20	10/4/2022 9:15:35 PM
Xylenes, Total	23	2.0		mg/Kg	20	10/4/2022 9:15:35 PM
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	20	10/4/2022 9:15:35 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	5400	300		mg/Kg	100	10/7/2022 8:47:14 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-03 5'**Project:** Platt PA Tank Battery**Collection Date:** 9/29/2022 12:00:00 PM**Lab ID:** 2210001-013**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	360	150		mg/Kg	10	10/7/2022 6:38:05 PM
Motor Oil Range Organics (MRO)	920	500		mg/Kg	10	10/7/2022 6:38:05 PM
Surr: DNOP	0	21-129	S	%Rec	10	10/7/2022 6:38:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2022 9:39:04 PM
Surr: BFB	95.6	37.7-212		%Rec	1	10/4/2022 9:39:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/4/2022 9:39:04 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2022 9:39:04 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2022 9:39:04 PM
Xylenes, Total	ND	0.099		mg/Kg	1	10/4/2022 9:39:04 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/4/2022 9:39:04 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	910	60		mg/Kg	20	10/6/2022 3:19:21 PM

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

Qualifiers:	<ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix H Holding time 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 interference 	<ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Estimated value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 2210001

Date Reported: 10/17/2022

CLIENT: Vertex Resources Services, Inc.**Client Sample ID:** BES22-04 5'**Project:** Platt PA Tank Battery**Collection Date:** 9/29/2022 12:05:00 PM**Lab ID:** 2210001-014**Matrix:** SOIL**Received Date:** 10/1/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	20000	1400		mg/Kg	100	10/6/2022 9:01:20 PM
Motor Oil Range Organics (MRO)	20000	4800		mg/Kg	100	10/6/2022 9:01:20 PM
Surr: DNOP	0	21-129	S	%Rec	100	10/6/2022 9:01:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/6/2022 1:23:22 PM
Surr: BFB	92.2	37.7-212		%Rec	5	10/6/2022 1:23:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/6/2022 1:23:22 PM
Toluene	ND	0.25		mg/Kg	5	10/6/2022 1:23:22 PM
Ethylbenzene	ND	0.25		mg/Kg	5	10/6/2022 1:23:22 PM
Xylenes, Total	ND	0.49		mg/Kg	5	10/6/2022 1:23:22 PM
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	5	10/6/2022 1:23:22 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	1100	60		mg/Kg	20	10/6/2022 3:31:46 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

Page 14 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2210001

17-Oct-22

Client: Vertex Resources Services, Inc.**Project:** Platt PA Tank Battery

Sample ID: MB-70647	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70647	RunNo: 91598								
Prep Date: 10/6/2022	Analysis Date: 10/6/2022	SeqNo: 3281919 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-70647	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCS\$	Batch ID: 70647	RunNo: 91598								
Prep Date: 10/6/2022	Analysis Date: 10/6/2022	SeqNo: 3281920 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

Page 15 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2210001

17-Oct-22

Client: Vertex Resources Services, Inc.**Project:** Platt PA Tank Battery

Sample ID: MB-70634	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70634	RunNo: 91599								
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3281653 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		82.9	21	129			

Sample ID: LCS-70634	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCS\$	Batch ID: 70634	RunNo: 91599								
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3288804 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	50.00	0	80.8	64.4	127			
Surr: DNOP	4.0		5.000		80.0	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2210001

17-Oct-22

Client: Vertex Resources Services, Inc.**Project:** Platt PA Tank Battery

Sample ID: LCS-70559	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCS	Batch ID: 70559	RunNo: 91536								
Prep Date: 10/3/2022	Analysis Date: 10/4/2022	SeqNo: 3279028 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.3	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-70559	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 70559	RunNo: 91536								
Prep Date: 10/3/2022	Analysis Date: 10/4/2022	SeqNo: 3279029 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.9	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding time 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 interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 18

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2210001

17-Oct-22

Client: Vertex Resources Services, Inc.**Project:** Platt PA Tank Battery

Sample ID: lcs-70559	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCS	Batch ID: 70559	RunNo: 91536								
Prep Date: 10/3/2022	Analysis Date: 10/4/2022	SeqNo: 3279057 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: mb-70559	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 70559	RunNo: 91536								
Prep Date: 10/3/2022	Analysis Date: 10/4/2022	SeqNo: 3279058 Units: mg/Kg								
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	0.99		1.000		98.8	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding time 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 interference	

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Hall Environmental Analysis Laboratory
4661 Hardscrub NE
Albuquerque, NM 87110
TEL: 505-345-2973 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertax Resources Services, Inc. Work Order Number: 2210001 RepNo: 1
Received By: Sean Livingston 10/1/2022 9:00:00 AM
Completed By: Sean Livingston 10/1/2022 9:39:07 AM
Reviewed By: Sean Livingston

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $\geq 0^{\circ}\text{C}$ to 5°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

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

Special Handling (if applicable)

15. Was client notified of all discrepancies with the order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

16. Additional remarks:

17. Cooler Information

Cooler No.	Temp °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	3.3	Good				



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

October 09, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 11:56.

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/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, appearing to read "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BES 23-50 4' (H235454-01)

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	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.1 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/09/2023	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	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	22.0	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BES 23-51 4' (H235454-02)

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	10/06/2023	ND	2.14	107	2.00	4.28		
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04		
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34		
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77		
Total BTEX	<0.300	0.300	10/06/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 96.0 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/09/2023	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	10/06/2023	ND	180	90.1	200	1.09		
DRO >C10-C28*	11.2	10.0	10/06/2023	ND	187	93.5	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND						

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BES 23-52 4' (H235454-03)

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	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.2 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/09/2023	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	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BES 23-53 4' (H235454-04)

BTEX 8021B		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	10/09/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M	mg/kg		Analyzed By: M5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	304	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	73.8	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/05/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WES 23-101 0-4' (H235454-05)

BTEX 8021B			Analyzed By: M5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.1 % 71.5-134

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	10/09/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M			mg/kg		Analyzed By: M5				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2023	ND	180	90.1	200	1.09	
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	187	93.5	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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* = Accredited Analyte

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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 SM4500C-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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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Project Manager: CDixon Address: on file City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: 225-00123-14 Project Owner: EOG Project Name: Pilot PA Battery Project Location: _____ Sample Name: Angie Mohu HPL-LAB02 ONLY		P.O. #: _____ Company: EOG Attn: Chase Jettus Address: on file City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. 1335454 Sample I.D. BES23-50 BES23-51 BES23-52 BES23-53 WES23-101		(G/RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
Date: 10/05/23 Time: 13:05 Observed Temp. °C: 52 Corrected Temp. °C: _____		MATRIX PRESERV SAMPLING DATE TIME 10/05/23 13:05 13:10 13:25 14:35	
Requisitioned By: CDixon Received By: Angie Mohu Date: 11/05/23 Time: _____		BTEX (8021) C1 TPH (8015D)	
Delivered By: (Circle One) Sample - UPS - Bus - Other: _____ Observed Temp. °C: _____ Corrected Temp. °C: _____		Sample Condition Cool: <input checked="" type="checkbox"/> Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: gk Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool: <input checked="" type="checkbox"/> Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C: _____ Corrected Temp. °C: _____	



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

October 19, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/12/23 13:33.

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/lsb_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 (Coliport 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,

A handwritten signature in black ink, appearing to read "Celey D. Keene", with a horizontal line extending to the right.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP 420 SOUTH MAIN, SUITE 202 TULSA OK, 74103	Project: PLATT PA BATTERY Project Number: 22E-00123-14 Project Manager: CHANCE DIXON Fax To: NA	Reported: 19-Oct-23 08:49
---	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BES 23 - 54 4'	H235578-01	Soil	06-Oct-23 12:50	12-Oct-23 13:33
BES 23 - 57 4'	H235578-02	Soil	06-Oct-23 12:55	12-Oct-23 13:33
BES 23 - 59 4'	H235578-03	Soil	06-Oct-23 13:00	12-Oct-23 13:33
BES 23 - 60 4'	H235578-04	Soil	06-Oct-23 13:05	12-Oct-23 13:33
BES 23 - 58 4'	H235578-05	Soil	06-Oct-23 12:45	12-Oct-23 13:33
WES 23 - 132 0-4'	H235578-06	Soil	10-Oct-23 10:00	12-Oct-23 13:33
WES 23 - 134 0-4'	H235578-07	Soil	10-Oct-23 10:10	12-Oct-23 13:33
BES 23 - 55 4'	H235578-08	Soil	11-Oct-23 09:05	12-Oct-23 13:33
BES 23 - 56 4'	H235578-09	Soil	11-Oct-23 09:10	12-Oct-23 13:33
BES 23 - 61 4'	H235578-10	Soil	11-Oct-23 09:25	12-Oct-23 13:33
BES 23 - 62 4'	H235578-11	Soil	11-Oct-23 09:30	12-Oct-23 13:33
BES 23 - 63 4'	H235578-12	Soil	11-Oct-23 09:35	12-Oct-23 13:33
WES 23 - 147 0-4'	H235578-13	Soil	11-Oct-23 13:10	12-Oct-23 13:33
WES 23 - 148 0-4'	H235578-14	Soil	11-Oct-23 13:55	12-Oct-23 13:33
WES 23 - 149 0-4'	H235578-15	Soil	11-Oct-23 14:30	12-Oct-23 13:33

10/19/23 - Client asked for a rerun of -15 for chloride. Data is included as a re-extract value. This is the revised report and will replace the one sent on 10/16/23.

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 54 4'
H235578-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	2400		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	
S surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3101215	JH	12-Oct-23	8021B	
Petroleum Hydrocarbons by GC/FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	420		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	105		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
S surrogate: 1-Chlorooctane			55.2 %	48.2-134		3101213	MS	12-Oct-23	8015B	
S surrogate: 1-Chlorooctadecane			80.6 %	49.1-148		3101213	MS	12-Oct-23	8015B	

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 57 4'
H235578-02 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

107 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO <C10-C26*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO <C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

71.4 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

80.6 %

49.1-148

3101213

MS

12-Oct-23

8015B

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 59 4'
H235578-03 (Soil)

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

Chloride	160		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

103 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	229		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	94.7		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

72.1 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

89.4 %

49.1-148

3101213

MS

12-Oct-23

8015B

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 60 4'
H235578-04 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

S surrogate: 4-Bromofluorobenzene (PID)			98.5 %	71.5-134		3101215	JH	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO <C10-C26*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO <C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

S surrogate: 1-Chlorooctane			71.4 %	48.2-134		3101213	MS	12-Oct-23	8015B	
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S surrogate: 1-Chlorooctadecane			80.9 %	49.1-148		3101213	MS	12-Oct-23	8015B	
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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 58 4'
H235578-05 (Soil)

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

Chloride	64.0		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

103 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	82.2		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	19.4		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

75.6 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

88.6 %

49.1-148

3101213

MS

12-Oct-23

8015B

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 132 0-4'
H235578-06 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

102 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO <C10-C26*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO <C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

72.5 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

82.6 %

49.1-148

3101213

MS

12-Oct-23

8015B

Cardinal Laboratories

* = Accredited Analyte

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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 134 0-4'
H235578-07 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

98.3 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO <C10-C26*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO <C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

67.4 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

74.8 %

49.1-148

3101213

MS

12-Oct-23

8015B

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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 55 4'
H235578-08 (Soil)

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

Chloride	1060		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	0.353		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	GC-NC1
Total BTEX	0.353		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)

150 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<50.0		50.0	mg/kg	5	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	5360		50.0	mg/kg	5	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	1290		50.0	mg/kg	5	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

74.2 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

125 %

49.1-148

3101213

MS

12-Oct-23

8015B

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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 56 4'
H235578-09 (Soil)

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

Chloride	1600		16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	0.078		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	0.269		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	GC-NC1
Total BTEX	0.347		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	GC-NC1

Surrogate: 4-Bromofluorobenzene (PID)

132 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<50.0		50.0	mg/kg	5	3101213	MS	13-Oct-23	8015B	
DRO >C10-C28*	4580		50.0	mg/kg	5	3101213	MS	13-Oct-23	8015B	
EXT DRO >C28-C36	902		50.0	mg/kg	5	3101213	MS	13-Oct-23	8015B	

Surrogate: 1-Chlorooctane

82.3 %

48.2-134

3101213

MS

13-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

112 %

49.1-148

3101213

MS

13-Oct-23

8015B

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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 61 4'
H235578-10 (Soil)

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

Chloride	2000	16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-CI-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B

S surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3101215	JH	12-Oct-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B
DRO >C10-C28*	137	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B
EXT DRO >C28-C36	75.9	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B

S surrogate: 1-Chlorooctane	71.9 %	48.2-134	3101213	MS	12-Oct-23	8015B
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S surrogate: 1-Chlorooctadecane	90.9 %	49.1-148	3101213	MS	12-Oct-23	8015B
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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 62 4'
H235578-11 (Soil)

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

Chloride	7600		16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-C1-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

99.4 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	35.7		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

74.3 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

86.4 %

49.1-148

3101213

MS

12-Oct-23

8015B

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

BES 23 - 63 4'
H235578-12 (Soil)

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

Chloride	5680		16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

101 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	188		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	60.2		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

65.5 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

84.9 %

49.1-148

3101213

MS

12-Oct-23

8015B

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 147 0-4'
H235578-13 (Soil)

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

Chloride	112	16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-Cl-B
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B

S surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3101215	JH	12-Oct-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B
DRO <C10-C26*	<10.0	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B
EXT DRO <C28-C36	<10.0	10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B

S surrogate: 1-Chlorooctane	71.7 %	48.2-134	3101213	MS	12-Oct-23	8015B
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S surrogate: 1-Chlorooctadecane	80.6 %	49.1-148	3101213	MS	12-Oct-23	8015B
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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 148 0-4'
H235578-14 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)

103 %

71.5-134

3101215

JH

12-Oct-23

8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO <C10-C26*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO <C28-C36	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane

65.3 %

48.2-134

3101213

MS

12-Oct-23

8015B

Surrogate: 1-Chlorooctadecane

71.2 %

49.1-148

3101213

MS

12-Oct-23

8015B

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 16 of 24



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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 149 0-4'
H235578-15 (Soil)

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

Chloride	608		16.0	mg/kg	4	3101317	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101215	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101215	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101215	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101215	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101215	JH	13-Oct-23	8021B	

S surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3101215	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
DRO >C10-C28*	42.4		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	21.7		10.0	mg/kg	1	3101213	MS	12-Oct-23	8015B	

S surrogate: 1-Chlorooctane			72.2 %	48.2-134		3101213	MS	12-Oct-23	8015B	
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S surrogate: 1-Chlorooctadecane			83.4 %	49.1-148		3101213	MS	12-Oct-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager

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

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

WES 23 - 149 0-4'
H235578-15RE1 (Soil)

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

Chloride	544		16.0	mg/kg	4	3101317	AC	17-Oct-23	4500-Cl-B	
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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3101317 - 1:4 DI Water										
Blank (3101317-BLK1)				Prepared & Analyzed: 13-Oct-23						
Chloride	ND	16.0	mg/kg							
LCS (3101317-BS1)				Prepared & Analyzed: 13-Oct-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3101317-BSD1)				Prepared & Analyzed: 13-Oct-23						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 3101318 - 1:4 DI Water										
Blank (3101318-BLK1)				Prepared & Analyzed: 13-Oct-23						
Chloride	ND	16.0	mg/kg							
LCS (3101318-BS1)				Prepared & Analyzed: 13-Oct-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3101318-BSD1)				Prepared & Analyzed: 13-Oct-23						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

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
Batch 3101215 - Volatiles										
Blank (3101215-BLKL)				Prepared & Analyzed: 12-Oct-23						
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							
S surrogate: 4-Bromofluorobenzene (PID)	0.0522		mg/kg	0.0500		104	71.5-134			
LCS (3101215-BSL)				Prepared & Analyzed: 12-Oct-23						
Benzene	1.96	0.050	mg/kg	2.00		98.1	82.8-130			
Toluene	1.86	0.050	mg/kg	2.00		93.1	86-128			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.9	85.9-128			
m,p-Xylene	3.85	0.100	mg/kg	4.00		96.2	89-129			
o-Xylene	1.92	0.050	mg/kg	2.00		96.1	86.1-125			
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	88.2-128			
S surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.0	71.5-134			
LCS Dup (3101215-BSL1)				Prepared & Analyzed: 12-Oct-23						
Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130	3.27	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.0	86-128	2.04	15.9	
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	85.9-128	2.10	16	
m,p-Xylene	3.89	0.100	mg/kg	4.00		97.2	89-129	1.08	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		97.2	86.1-125	1.17	16.7	
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	88.2-128	1.11	16.3	
S surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		99.1	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

VERTEX RESOURCE GROUP
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103

Project: PLATT PA BATTERY
Project Number: 22E-00123-14
Project Manager: CHANCE DIXON
Fax To: NA

Reported:
19-Oct-23 08:49

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
Batch 3101213 - General Prep - Organics										
Blank (3101213-BLKL)				Prepared & Analyzed: 12-Oct-23						
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	42.5		mg/kg	50.0		85.0	48.2-134			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.2	49.1-148			
LCS (3101213-BS1)				Prepared: 12-Oct-23 Analyzed: 13-Oct-23						
GRO C6-C10	195	10.0	mg/kg	200		97.7	66.4-123			
DRO >C10-C28	205	10.0	mg/kg	200		102	66.5-118			
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	44.3		mg/kg	50.0		88.6	48.2-134			
Surrogate: 1-Chlorooctadecane	45.8		mg/kg	50.0		91.6	49.1-148			
LCS Dup (3101213-BSD1)				Prepared & Analyzed: 12-Oct-23						
GRO C6-C10	186	10.0	mg/kg	200		93.0	66.4-123	4.91	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.1	66.5-118	5.29	21	
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	77.6-123	5.10	18.5	
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	48.2-134			
Surrogate: 1-Chlorooctadecane	48.7		mg/kg	50.0		97.5	49.1-148			

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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.
GC-NC1	B260 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 SM4500C-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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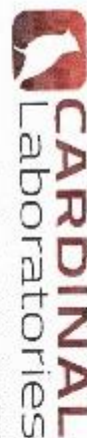
Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VerTex		P.O. #: BILL TO																																															
Project Manager: C. Dixon		Company: EOG																																															
Address: on file		Address: Alto Chase Rd																																															
City:	State:	City:	State:																																														
Phone #:	Fax #:	City:	State:																																														
Project #: 22E-00173-14		Project Owner: EOG																																															
Project Name: Plant PA Battery		Phone #:																																															
Project Location:		Fax #:																																															
Sample Name: Angie Mohu		SAMPLING																																															
FOR USE ONLY		PRESERV																																															
Lab I.D. H333576	Sample I.D.	DATE																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">MATRIX</th> <th rowspan="2">DATE</th> <th rowspan="2">TIME</th> </tr> <tr> <th>(G) GRAB OR (C) COMP.</th> <th></th> </tr> <tr> <td><input type="checkbox"/> CONTAINERS</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> GROUNDWATER</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> WASTEWATER</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> SOIL</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> OIL</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> SLUDGE</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> OTHER :</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> ACID/BASE</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> ICE / COOL</td> <td></td> <td></td> <td></td> </tr> <tr> <td><input type="checkbox"/> OTHER :</td> <td></td> <td></td> <td></td> </tr> </table>		MATRIX		DATE	TIME	(G) GRAB OR (C) COMP.		<input type="checkbox"/> CONTAINERS				<input type="checkbox"/> GROUNDWATER				<input type="checkbox"/> WASTEWATER				<input type="checkbox"/> SOIL				<input type="checkbox"/> OIL				<input type="checkbox"/> SLUDGE				<input type="checkbox"/> OTHER :				<input type="checkbox"/> ACID/BASE				<input type="checkbox"/> ICE / COOL				<input type="checkbox"/> OTHER :				BTEX (8021) TPH (8015 D) CI	
		MATRIX				DATE	TIME																																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>DATE</th> <th>TIME</th> </tr> <tr> <td>1</td> <td>BES23-54</td> <td>10/16/23</td> <td>12:50</td> </tr> <tr> <td>2</td> <td>BES23-57</td> <td></td> <td>12:55</td> </tr> <tr> <td>3</td> <td>BES23-59</td> <td></td> <td>13:00</td> </tr> <tr> <td>4</td> <td>BES23-60</td> <td></td> <td>13:05</td> </tr> <tr> <td>5</td> <td>BES23-58</td> <td></td> <td>12:45</td> </tr> <tr> <td>6</td> <td>BES23-132</td> <td>10/10/23</td> <td>10:00</td> </tr> <tr> <td>7</td> <td>BES23-134</td> <td></td> <td>10:10</td> </tr> <tr> <td>8</td> <td>BES23-136</td> <td></td> <td>14:00</td> </tr> <tr> <td>9</td> <td>BES23-55</td> <td>10/11/23</td> <td>9:05</td> </tr> <tr> <td>10</td> <td>BES23-56</td> <td></td> <td>9:10</td> </tr> </table>		Lab I.D.	Sample I.D.	DATE	TIME	1	BES23-54	10/16/23	12:50	2	BES23-57		12:55	3	BES23-59		13:00	4	BES23-60		13:05	5	BES23-58		12:45	6	BES23-132	10/10/23	10:00	7	BES23-134		10:10	8	BES23-136		14:00	9	BES23-55	10/11/23	9:05	10	BES23-56		9:10				
Lab I.D.	Sample I.D.	DATE	TIME																																														
1	BES23-54	10/16/23	12:50																																														
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5	BES23-58		12:45																																														
6	BES23-132	10/10/23	10:00																																														
7	BES23-134		10:10																																														
8	BES23-136		14:00																																														
9	BES23-55	10/11/23	9:05																																														
10	BES23-56		9:10																																														
Delivered By: (Circle One) Observed Temp. °C 33.2 Sample Condition Intact Checked By: AK Corrected Temp. °C 33.2 Thermometer ID 4146 Correction Factor 0.0		Turnaround Time: Standard 48 hr Flash 48 hr Bacteria (only) Sample Condition Intact Observed Temp. °C 33.2 Thermometer ID 4146 Correction Factor 0.0																																															
Requisitioned By: AK Date: 10/16/23 Received By: AK Date: 10/16/23		Remarks: Vertical Recut: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: AK																																															
All Results are emailed. Please provide Email address:																																																	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VORTX Project Manager: C. DIXON Address: M. Ave City: State: Zip: Phone #: Fax #: Project #: 22E-00123-14 Project Owner: EOG Project Name: Plant PA Battery Project Location: Sampler Name: Angie Mohr FOR USE BY: LAB		BILL TO P.O. #: Company: EOG Attn: Chad Little Address: M. Ave City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Lab I.D. H339578		Sample I.D.		DATE 10/11/23 TIME 9:25	
10 BES23-61 4' 1 11 BES23-62 4' 1 12 BES23-63 4' 1 13 WES23-147 0-4' 1 14 WES23-148 0-4' 1 15 WES23-149 0-4' 1		(S)RB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID-BASE ICF - COOL OTHER:		MAINTENANCE PRESERVATION SAMPLING	
Relinquished By: [Signature] Time: 10:00 Date: 10/11/23 Received By: [Signature] Time: 10:30 Date: 10/11/23		Turnaround Time: Standard Barriers (only Sample Condition): Cool, Intact Observed Temp. °C: 48 hr Corrected Temp. °C:		Vertical Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> No All Results are unaltered. Please provide Ernst address:	
Remarks:		FOR USE BY: LAB			



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October 20, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 14:45.

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.

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, appearing to read "Celey D. Keene", with a stylized flourish at the end.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 64 4* (H235721-01)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.4 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/20/2023	ND	432	108	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	262	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	196	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 65 4' (H235721-02)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.8 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/20/2023	ND	432	108	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	75.2	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	34.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 67 4* (H235721-03)

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	10/20/2023	ND	2.05	103	2.00	6.57		
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35		
Ethylbenzene*	0.085	0.050	10/20/2023	ND	2.12	106	2.00	6.37		
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92		
Total BTEX	<0.300	0.300	10/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	10/20/2023	ND	432	108	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	10/19/2023	ND	196	98.1	200	4.26		
DRO >C10-C28*	3170	10.0	10/19/2023	ND	210	105	200	3.48		
EXT DRO >C28-C36	691	10.0	10/19/2023	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 68 4* (H235721-04)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	0.095	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	0.219	0.150	10/20/2023	ND	6.39	106	6.00	5.92	GC-NC1
Total BTEX	0.313	0.300	10/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	10/20/2023	ND	432	108	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*	13.8	10.0	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	5790	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	1210	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 70 4' (H235721-05)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.1 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6080	16.0	10/20/2023	ND	432	108	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	1060	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	288	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 71 4' (H235721-06)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.9 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	10/20/2023	ND	416	104	400	3.77	QM-07

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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	98.5	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	31.7	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 72 4' (H235721-07)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.2 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8100	16.0	10/20/2023	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	52.0	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	49.6	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 73 4* (H235721-08)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 95.0 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	10/20/2023	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	41.1	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	17.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 74 4' (H235721-09)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.1 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/20/2023	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	186	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	153	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Page 10 of 20



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 75 4' (H235721-10)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 93.3 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	10/20/2023	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	10/20/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	21.3	10.0	10/20/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 76 4' (H235721-11)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	10/20/2023	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	10/20/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	27.5	10.0	10/20/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/20/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 78 4' (H235721-12)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	10/20/2023	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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 79 4* (H235721-13)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7800	16.0	10/20/2023	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	10/20/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	157	10.0	10/20/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	51.6	10.0	10/20/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 80 4' (H235721-14)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	10/20/2023	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	10/20/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	582	10.0	10/20/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	340	10.0	10/20/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 66 5' (H235721-15)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 112 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/20/2023	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	256	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	39.7	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 77 5' (H235721-16)

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	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	10/20/2023	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	10/19/2023	ND	182	90.9	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	195	97.7	200	0.530	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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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.
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 SM4500C-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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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2478

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VERTX		BILL TO		ANALYSIS REQUEST	
Project Manager: C. Dixon		P.O. #:			
Address: on file		Company: EOG			
City:		Attn: Chase Jett			
Phone #:		Address: on file			
Fax #:		City:			
Project #: 22E-00123-14		State:			
Project Name: Plant PA Battery		Phone #:			
Project Location:		Zip:			
Sampler Name: Angie Monu		Fax #:			
Lab I.D.		Matrix		Sampling	
Sample I.D.		PRESERV			
<div style="display: flex; justify-content: space-between;"> <div> Lab I.D. Sample I.D. </div> <div> <input type="checkbox"/> (GRAB OR CIMP) <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: </div> <div> <input checked="" type="checkbox"/> ACID/BASE <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: </div> </div>		DATE		TIME	
<div style="display: flex; justify-content: space-between;"> <div> Lab I.D. Sample I.D. </div> <div> <input type="checkbox"/> (GRAB OR CIMP) <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: </div> <div> <input checked="" type="checkbox"/> ACID/BASE <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: </div> </div>		DATE		TIME	
<div style="display: flex; justify-content: space-between;"> <div> Lab I.D. Sample I.D. </div> <div> <input type="checkbox"/> (GRAB OR CIMP) <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: </div> <div> <input checked="" type="checkbox"/> ACID/BASE <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: </div> </div>		DATE		TIME	
<div style="display: flex; justify-content: space-between;"> <div> Lab I.D. Sample I.D. </div> <div> <input type="checkbox"/> (GRAB OR CIMP) <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: </div> <div> <input checked="" type="checkbox"/> ACID/BASE <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: </div> </div>		DATE		TIME	
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<div style="display: flex; justify-content: space-between;"> <div> Lab I.D. Sample I.D. </div> <div> <input type="checkbox"/> (GRAB OR CIMP) <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: </div> <div> <input checked="" type="checkbox"/> ACID/BASE <input checked="" type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: </div> </div>		DATE		TIME	
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Vertex Project Manager: C. Dixon Address: on file City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: 225-00123-14 Project Owner: EOG Project Name: Platt Battery Project Location: _____ Sampler Name: Angie Mohr		BILL TO P.O. #: _____ Company: EOG Attn: Chae Settl Address: on file City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. H235721 Sample I.D. 11 BES23-76 12 BES23-78 13 BES23-79 14 BES23-80 15 BES23-66 16 BES23-77		MATRIX (GIRAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SCIL OIL SLUDGE OTHER ACID/BASE: ICE / COOL OTHER:	
DATE 10/12/23 TIME 11:35 11:30 11:35 9:35 9:40		SAMPLING BTEx (8021) TPH (8015 D) CI	
Reinforced By: [Signature] Date: 10-19-23 Time: 1445 Received By: [Signature] Date: 10-19-23 Time: 1445 Received By: [Signature]		Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No ADDT Priority: <input type="checkbox"/> R:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Turnaround Time: 24 HR Standard: <input checked="" type="checkbox"/> Bacteria (only) Sample Condition: <input type="checkbox"/> Observed Temp. °C: 0.1 Corrected Temp. °C: _____ Observed Temp. °C: _____ Corrected Temp. °C: _____	

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



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

October 20, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 14:45.

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.

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, appearing to read "C. D. Keene", with a stylized flourish at the end.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 55 6' (H235720-01)

BTEX 8021B mg/kg			Analyzed By: JH						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.118	0.100	10/20/2023	ND	2.16	108	2.00	2.19		
Toluene*	0.545	0.100	10/20/2023	ND	2.08	104	2.00	3.71	GC-NC1	
Ethylbenzene*	9.84	0.100	10/20/2023	ND	2.17	108	2.00	4.59		
Total Xylenes*	13.2	0.300	10/20/2023	ND	6.53	109	6.00	5.05		
Total BTEX	23.7	0.600	10/20/2023	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PIE) 135 % 71.5-134

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	10/20/2023	ND	432	108	400	0.00		

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*	828	100	10/19/2023	ND	206	103	200	1.90		
DRO >C10-C28*	5270	100	10/19/2023	ND	195	97.7	200	3.68		
EXT DRO >C28-C36	946	100	10/19/2023	ND						

Surrogate: 1-Chlorooctane 202 % 48.2-134

Surrogate: 1-Chlorooctadecane 178 % 49.1-148

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* = Accredited Analyte

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(Signature)

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 56 6' (H235720-02)

BTEX 8021B			mg/kg						
			Analyzed By: M5						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.500	0.500	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	35.2	0.500	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	24.3	1.50	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	59.5	3.00	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 126 % 71.5-134

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	10/20/2023	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
									S-06

GRO C6-C10*	931	100	10/19/2023	ND	206	103	200	1.90
DRO >C10-C28*	3710	100	10/19/2023	ND	195	97.7	200	3.68
EXT DRO >C28-C36	656	100	10/19/2023	ND				

Surrogate: 1-Chlorooctane 169 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WES 23 - 151 14' (H235720-03)

BTEX 8021B	mg/kg	Analyzed By: JH						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	0.929	0.500	10/20/2023	ND	2.08	104	2.00	3.71	GC-NC1
Ethylbenzene*	32.6	0.500	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	23.7	1.50	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	57.2	3.00	10/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PIL) 151 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/20/2023	ND	432	108	400	0.00	

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*	1190	100	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	5320	100	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	1040	100	10/19/2023	ND					

Surrogate: 1-Chlorooctane 230 % 48.2-134

Surrogate: 1-Chlorooctadecane 198 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WES 23 - 152 14' (H235720-04)

BTEX 8021B	mg/kg	Analyzed By: JH						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	0.297	0.050	10/20/2023	ND	2.08	104	2.00	3.71	GC-NC1
Ethylbenzene*	2.81	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	7.05	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	10.2	0.300	10/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PIL) 143 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	10/20/2023	ND	432	108	400	0.00	

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*	319	100	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	2670	100	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	433	100	10/19/2023	ND					

Surrogate: 1-Chlorooctane 173 % 48.2-134

Surrogate: 1-Chlorooctadecane 175 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 69 8' (H235720-05)

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	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	0.598	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	0.501	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	1.10	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 162 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/20/2023	ND	432	108	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*	89.2	10.0	10/20/2023	ND	206	103	200	1.90	
DRO >C10-C28*	1230	10.0	10/20/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	265	10.0	10/20/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/17/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 69 14' (H235720-06)

BTEX 8021B	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	0.241	0.100	10/20/2023	ND	2.08	104	2.00	3.71	GC-NC1
Ethylbenzene*	11.5	0.100	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	3.31	0.300	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	15.1	0.600	10/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PIL) 195 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/20/2023	ND	432	108	400	0.00	

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*	381	100	10/19/2023	ND	206	103	200	1.90	
DRO >C10-C28*	2860	100	10/19/2023	ND	195	97.7	200	3.68	
EXT DRO >C28-C36	490	100	10/19/2023	ND					

Surrogate: 1-Chlorooctane 169 % 48.2-134

Surrogate: 1-Chlorooctadecane 176 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 69 12' (H235720-07)

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	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	0.932	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	0.612	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	1.54	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 155 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	10/20/2023	ND	432	108	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*	76.9	10.0	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	1090	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	181	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BES 23 - 69 10' (H235720-08)

BTEX 8021B	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.200	0.200	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	21.3	0.200	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	8.51	0.600	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	29.8	1.20	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 168 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/20/2023	ND	432	108	400	0.00	

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*	1080	100	10/20/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	7410	100	10/20/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	1360	100	10/20/2023	ND					

Surrogate: 1-Chlorooctane 224 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/17/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WES 23 - 153 14' (H235720-09)

BTEX 8021B	mg/kg	Analyzed By: JH						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	0.273	0.050	10/20/2023	ND	2.08	104	2.00	3.71	GC-NC1
Ethylbenzene*	8.79	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	3.52	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	12.7	0.300	10/20/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PIL) 139 % 71.5-134

Chloride, SM4500Cl-B	mg/kg	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/20/2023	ND	432	108	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*	194	10.0	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	1720	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	299	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WS 23 - 154 (H235720-10)

BTEX 8021B		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 71.5-134

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	10/20/2023	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
CHANCE DIXON
420 SOUTH MAIN, SUITE 202
TULSA OK, 74103
Fax To: NA

Received: 10/19/2023
Reported: 10/20/2023
Project Name: PLATT TANK BATTERY
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 10/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WS 23 - 155 (H235720-11)

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	10/20/2023	ND	2.16	108	2.00	2.19	
Toluene*	<0.050	0.050	10/20/2023	ND	2.08	104	2.00	3.71	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.17	108	2.00	4.59	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.53	109	6.00	5.05	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/20/2023	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

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	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	10.7	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WS 23 - 156 (H235720-12)

BTEX 8021B		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.05	103	2.00	6.57	
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.5 % 71.5-134

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	10/20/2023	ND	432	108	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/19/2023	ND	196	98.1	200	4.26	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	210	105	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: PLATT TANK BATTERY
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 10/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WS 23 - 156 (H235720-12)

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	10/20/2023	ND	2.05	103	2.00	6.57		
Toluene*	<0.050	0.050	10/20/2023	ND	2.10	105	2.00	7.35		
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.12	106	2.00	6.37		
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.39	106	6.00	5.92		
Total BTEX	<0.300	0.300	10/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 99.5 % 71.5-134

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	10/20/2023	ND	432	108	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	10/19/2023	ND	196	98.1	200	4.26		
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	210	105	200	3.48		
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND						

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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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.
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 SM4500C-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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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 383-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Verity EOG		P.O. #: EOG		ANALYSIS REQUEST	
Project Manager: Chance Dixon		Company: EOG			
Address: on file		City: on file			
City: on file		State: on file			
Phone #: on file		Fax #: on file			
Project #: on file		Project Owner: on file			
Project Name: Platt Lake Battery		City: on file			
Project Location: on file		State: on file			
Sampler Name: Zach Egan		Phone #: on file			
Fax #: on file		SAMPLING			
Lab I.D. H235720		Sample I.D. WS23-154			
		<input checked="" type="checkbox"/> (S)RAB OR (C)COMP			
		<input checked="" type="checkbox"/> CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		<input checked="" type="checkbox"/> SOIL			
		OIL			
		SLUDGE			
		OTHER			
		ACID/BASE			
		ICE / COOL			
		OTHER :			
		DATE			
		TIME			
		10:10:23			
		4:00			
		4:20			
		BTEX			
		TPH			
		CL			
Relinquished By: on file		Received By: on file			
Time: 10:10:23		Time: 10:10:23			
Date: 12/28/23		Date: 12/28/23			
Reinquinished By: on file		Received By: on file			
Time: 10:10:23		Time: 10:10:23			
Date: 12/28/23		Date: 12/28/23			
Delivered By: (Circle One) UPS		Observed Temp.: 01			
Sampler - UPS - Blue - Other:		Corrected Temp.: 01			
Sample Condition Good		CHECKED BY: on file			
Cool Impact Yes		Cool Impact Yes			
No Yes		No Yes			
Turnaround Time: 24HR		Standard 24HR			
Backlog (only) Sample Condition Good		Backlog (only) Sample Condition Good			
Cool Impact Yes		Cool Impact Yes			
Observed Temp.: 01		Observed Temp.: 01			
Corrected Temp.: 01		Corrected Temp.: 01			
Remarks: Direct Bill to EOG		Remarks: CDixon@verityeo.com			

† Cardinal cannot accept verbal changes. Please email changes to cefly.keene@cardinalhsnm.com



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

October 30, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/26/23 14:00.

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.

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, appearing to read "Celey D. Keene", with a stylized flourish at the end.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/26/2023
 Reported: 10/30/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WES 23 - 160 4-14' (H235873-01)

mg/kg			Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M		mg/kg		Analyzed By: MS					

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	10/27/2023	ND	194	97.0	200	3.26	
DRO >C10-C28*	13.9	10.0	10/27/2023	ND	187	93.7	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/26/2023
 Reported: 10/30/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WES 23 - 161 4-14' (H235873-02)

BTEX 8021B mg/kg			Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 71.5-134

Chloride, SM4500Cl-B mg/kg			Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/27/2023	ND	384	96.0	400	11.8	

TPH 8015M mg/kg			Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.2	10.0	10/27/2023	ND	194	97.0	200	3.26	
DRO >C10-C28*	1010	10.0	10/27/2023	ND	187	93.7	200	2.51	
EXT DRO >C28-C36	232	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/26/2023
 Reported: 10/30/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WES 23 - 162 4-14' (H235873-03)

BTEX 8021B	mg/kg		Analyzed By: AW						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64		
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81		
Ethylbenzene*	2.58	0.050	10/26/2023	ND	2.11	105	2.00	1.17		
Total Xylenes*	2.04	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	GC-NC1	
Total BTEX	4.62	0.300	10/26/2023	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PIL) 192 % 71.5-134

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	10/27/2023	ND	384	96.0	400	11.8		

TPH 8015M	mg/kg		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	151	10.0	10/27/2023	ND	194	97.0	200	3.26		
DRO >C10-C28*	1670	10.0	10/27/2023	ND	187	93.7	200	2.51		
EXT DRO >C28-C36	304	10.0	10/27/2023	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/26/2023
 Reported: 10/30/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WES 23 - 163 4-14' (H235873-04)

BTEX 8021B mg/kg			Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2023	ND	2.04	102	2.00	1.64	
Toluene*	<0.050	0.050	10/26/2023	ND	2.10	105	2.00	1.81	
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	2.11	105	2.00	1.17	
Total Xylenes*	<0.150	0.150	10/26/2023	ND	6.30	105	6.00	0.0421	
Total BTEX	<0.300	0.300	10/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 106 % 71.5-134

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	10/27/2023	ND	384	96.0	400	11.8	

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	10/27/2023	ND	194	97.0	200	3.26	
DRO >C10-C28*	<10.0	10.0	10/27/2023	ND	187	93.7	200	2.51	
EXT DRO >C28-C36	<10.0	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 10/26/2023
 Reported: 10/30/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BES 23 - 55 16' (H235873-05)

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	10/27/2023	ND	2.05	103	2.00	4.06			
Toluene*	<0.050	0.050	10/27/2023	ND	2.10	105	2.00	4.94			
Ethylbenzene*	0.184	0.050	10/27/2023	ND	2.09	104	2.00	3.37			
Total Xylenes*	0.258	0.150	10/27/2023	ND	6.24	104	6.00	2.70	GC-NC1		
Total BTEX	0.442	0.300	10/27/2023	ND					GC-NC1		

Surrogate: 4-Bromofluorobenzene (PIL) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	10/27/2023	ND	384	96.0	400	11.8	
TPH 8015M		mg/kg		Analyzed By: MS					

TPH 8015M		mg/kg		Analyzed By: M5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.3	10.0	10/27/2023	ND	194	97.0	200	3.26	
DRO >C10-C28*	1110	10.0	10/27/2023	ND	187	93.7	200	2.51	
EXT DRO >C28-C36	219	10.0	10/27/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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.
GC-NC1	B260 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 SM4500C-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

Page 7 of 8



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 8



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

November 06, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 13:20.

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.

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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-55 20' (H236028-01)

BTX 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	11/03/2023	ND	1.96	98.1	2.00	10.6	
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4	
Total BTX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-56 12' (H236028-02)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	1.96	98.1	2.00	10.6	
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4	
Ethylbenzene*	0.663	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1	
Total Xylenes*	0.788	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4	GC-NC1
Total BTEx	1.45	0.300	11/03/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	11/06/2023	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*	40.2	10.0	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	692	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	95.1	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-82 4' (H236028-03)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-83 4' (H236028-04)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-84 4' (H236028-05)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-85 4' (H236028-06)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-86 4' (H236028-07)

BTX 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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	11/06/2023	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	11/05/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/05/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/05/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.0 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-87 4' (H236028-08)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-88 4' (H236028-09)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23-163 0-20' (H236028-10)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.088	0.050	11/03/2023	ND	1.96	98.1	2.00	10.6	
Toluene*	0.143	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4	GC-NC1
Ethylbenzene*	7.54	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1	
Total Xylenes*	4.42	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4	GC-NC1
Total BTX	12.2	0.300	11/03/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 193 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	11/06/2023	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*	190	10.0	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	1840	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	282	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 10/31/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23-164 0-20' (H236028-11)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-89 4' (H236028-12)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-90 4' (H236028-13)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-91 4' (H236028-14)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-92 4' (H236028-15)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-93 4' (H236028-16)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-94 4' (H236028-17)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	93.4	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	73.5	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-95 4' (H236028-18)

BTX 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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-96 4' (H236028-19)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-97 4' (H236028-20)

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	11/03/2023	ND	1.96	98.1	2.00	10.6		
Toluene*	<0.050	0.050	11/03/2023	ND	1.94	97.2	2.00	10.4		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.92	96.2	2.00	11.1		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.99	99.9	6.00	10.4		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	11/06/2023	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	11/03/2023	ND	195	97.5	200	2.34	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	184	92.0	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/02/2023
 Reported: 11/06/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: BES 23-98 4' (H236028-21)

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	11/03/2023	ND	1.86	93.1	2.00	11.5		
Toluene*	<0.050	0.050	11/03/2023	ND	1.93	96.5	2.00	10.8		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	1.93	96.3	2.00	11.7		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	5.78	96.3	6.00	11.7		
Total BTEx	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	11/06/2023	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	11/04/2023	ND	197	98.4	200	2.75	
DRO >C10-C28*	<10.0	10.0	11/04/2023	ND	213	107	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	11/04/2023	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.5 % 49.1-148

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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.
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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A handwritten signature in black ink, appearing to read "C. 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

[illegible]



BILL TO

[illegible]

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FOIA-000 N 3.4 07/11/20

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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

November 13, 2023

CHANCE DIXON

VERTEX RESOURCE GROUP

420 SOUTH MAIN, SUITE 202

TULSA, OK 74103

RE: PLATT PA BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/09/23 13:05.

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.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 167 4-10' (H236154-01)

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	11/10/2023	ND	2.02	101	2.00	0.852	
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96	
Total BTEX	<0.300	0.300	11/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	11/10/2023	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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	15.9	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 168 4-10' (H236154-02)

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	11/10/2023	ND	2.02	101	2.00	0.852		
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31		
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10		
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96		
Total BTEX	<0.300	0.300	11/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	11/10/2023	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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	13.8	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 169 4-20' (H236154-03)

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	11/10/2023	ND	2.02	101	2.00	0.852		
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31		
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10		
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96		
Total BTEX	<0.300	0.300	11/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	11/10/2023	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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 171 4-10' (H236154-04)

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	11/10/2023	ND	2.02	101	2.00	0.852	
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31	
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10	
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96	
Total BTEX	<0.300	0.300	11/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	11/10/2023	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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	<10.0	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 172 4-10' (H236154-05)

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	11/10/2023	ND	2.02	101	2.00	0.852		
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31		
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10		
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96		
Total BTEX	<0.300	0.300	11/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	11/10/2023	ND	416	104	400	3.77		

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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	34.8	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	<10.0	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

VERTEX RESOURCE GROUP
 CHANCE DIXON
 420 SOUTH MAIN, SUITE 202
 TULSA OK, 74103
 Fax To: NA

Received: 11/09/2023
 Reported: 11/13/2023
 Project Name: PLATT PA BATTERY
 Project Number: 22E-00123-14
 Project Location: EOG

Sampling Date: 11/07/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: WES 23 - 173 4-10' (H236154-06)

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	11/10/2023	ND	2.02	101	2.00	0.852		
Toluene*	<0.050	0.050	11/10/2023	ND	2.12	106	2.00	7.31		
Ethylbenzene*	<0.050	0.050	11/10/2023	ND	2.27	113	2.00	8.10		
Total Xylenes*	<0.150	0.150	11/10/2023	ND	6.88	115	6.00	7.96		
Total BTEX	<0.300	0.300	11/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	11/10/2023	ND	416	104	400	0.00	QM-07	

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	11/10/2023	ND	188	94.2	200	2.53	
DRO >C10-C28*	137	10.0	11/10/2023	ND	199	99.6	200	2.75	
EXT DRO >C28-C36	30.9	10.0	11/10/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

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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A handwritten signature in black ink, appearing to read "Celey 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

Company Name: Vertex
Project Manager: C. Dixon
Address: on file
City: State: Zip:
Phone #: Fax #:
Project #: 22E-00123-14 Project Owner: EOG
Project Name: Platt Battery
Project Location:
Sample Name: Angie Mohle
FOR LAB USE ONLY
Lab I.D. Sample I.D.
H235154
WES13-107 4-10' 10' (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME
WES23-108 4-10' 10' 11/07/23 9:30
WES23-109 4-20' 10:00
WES23-170 4-8' 10:05
WES23-171 4-10' 10:10
WES23-172 4-10' 11:45
WES23-173 4-10' 11:50
BTEX (8021) TPH (8015 D) CI
Turnaround Time: Standard Rush 48 hr
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C
Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address: cdixon@vertex.ca; amohle@vertex.ca
REMARKS:

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QUESTIONS

Action 298036

QUESTIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298036
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nKMW0800949657
Incident Name	NKMW0800949657 PLATT PA #005 @ 30-015-23906
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-23906] PLATT PA #005

Location of Release Source

Please answer all the questions in this group.

Site Name	PLATT PA #005
Date Release Discovered	01/06/2007
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Pump Other (Specify) Released: 30 BBL Recovered: 26 BBL Lost: 4 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298036
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/28/2023
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QUESTIONS, Page 3

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298036
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	10000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1480
GRO+DRO	(EPA SW-846 Method 8015M)	860
BTEX	(EPA SW-846 Method 8021B or 8260B)	1.5
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/01/2023
On what date will (or did) the final sampling or liner inspection occur	11/07/2023
On what date will (or was) the remediation complete(d)	12/04/2023
What is the estimated surface area (in square feet) that will be reclaimed	16505
What is the estimated volume (in cubic yards) that will be reclaimed	3360
What is the estimated surface area (in square feet) that will be remediated	16505
What is the estimated volume (in cubic yards) that will be remediated	3360

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298036
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/28/2023
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:
	7377
	Action Number:
	298036
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:	7377
	Action Number:	298036
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	292250
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2023
What was the (estimated) number of samples that were to be gathered	121
What was the sampling surface area in square feet	16505

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	16505
What was the total volume (cubic yards) remediated	3360
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	16505
What was the total volume (in cubic yards) reclaimed	3360
Summarize any additional remediation activities not included by answers (above)	Please see attached report.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Tina Huerta Title: Regulatory Reporting Supervisor Email: tina_huerta@eogresources.com Date: 12/28/2023
--	--

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QUESTIONS, Page 7

Action 298036

QUESTIONS (continued)

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID:
	7377
	Action Number:
	298036
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 298036

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 298036
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation Closure approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. The reclamation report will need to address all of the requirements of 19.15.29.13 NMAC including pictures of the reclaimed area, and a proposed revegetation plan. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	12/29/2023