

From: [Hall, Brittany, EMNRD](#)
To: "Saul Leyva"
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318
Date: Thursday, April 18, 2024 1:28:00 PM
Attachments: [image001.png](#)

Saul,

My previous reply is still applicable for the site.

Sample A @ 6"-12" and Sample D @ 6"-12" do not meet the reclamation standards for TPH or chloride, Sample B @ 6"-12" and Sample C @ 6"-12" do not meet the reclamation standards for TPH, and Sample E @ 6"-12" does not meet the reclamation standards for chloride in attached analytical results for the AN Battery.

The reclamation standard for TPH is 100 mg/kg and is 600 mg/kg for chloride.

The release will need to be delineated and remediated pursuant to 19.15.29 NMAC and the applicable report(s) will need to be uploaded before this incident will be closed.

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd/>

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMNRD Website prior to submitting any C-141s. The guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Saul Leyva <sleyva@crownquest.com>
Sent: Tuesday, April 16, 2024 2:51 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

Brittany, I apologize that was for the State 27-2. The correct analysis is attached.

Thanks.

From: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Sent: Tuesday, April 16, 2024 3:29 PM
To: Saul Leyva <sleyva@crownquest.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

You don't often get email from brittany.hall@emnrd.nm.gov. [Learn why this is important](#)

Hi Saul,

If Crownquest does not have additional information regarding the completion of the remedial requirements at the date of the release that can be submitted, the release will need to be remediated and closed in accordance with 19.15.29 NMAC (effective 8/14/2018). All closure documentation will need to comply with the requirements of 19.15.29 NMAC and need to be uploaded under the C-141 form through the OCD Permitting website.

I have done a review of the attached analytical results and Sample A-1@12" and Sample A-2@12" do not meet the reclamation standards for TPH. The reclamation standard for TPH is 100 mg/kg.

The release will need to be delineated and remediated pursuant to 19.15.29 NMAC and the applicable report(s) will need to be uploaded before this incident will be closed.

The new digital C-141 went live on December 1, 2023. The guidance documents can be found at the hyperlinks below my email signature, if you need them.

Thank you,

Brittany Hall ● Environmental Specialist

Thank you,

Brittany Hall ● Environmental Specialist
Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.517.5333 | Brittany.Hall@emnrd.nm.gov
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From: Saul Leyva <sleyva@crowquest.com>

Sent: Monday, April 1, 2024 8:23 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

We received the attached notice regarding an incident report opened in 2014 that we weren't aware of until now. The site has since been reclaimed, can you direct us on how we can proceed to close this out?

Thanks.

From: Kourtney Dixon <kourtney.wtor@gmail.com>

Sent: Thursday, March 14, 2024 11:34 AM

To: Saul Leyva <sleyva@crowquest.com>

Cc: ann wtor <ann.wtor@gmail.com>

Subject: Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 322318

Saul,

Good morning. According to OCD there is an incident from 2014 for NM AN ST #6 that was never closed. We will need to provide the required paperwork in order to close it before getting the release. I'm attaching a copy of the incident report as well as the instructions for closing incidents. If you have knowledge of this being previously closed, please let me know.

Kind regards,

Kourtney Dixon
Regulatory / Mechanical Engineer
West Texas Oil Reports
832-657-6195 cell
kourtney.wtor@gmail.com

To whom it may concern (c/o Ann Ritchie for CROWNQUEST OPERATING, LLC),

The OCD has rejected the submitted *Subsequent Location After P&A* (C-103Q), for API number (30-#) 30-025-01141, for the following reasons:

- **Reported Release must be resolved and completed through, ocd.enviro@emnrd.nm.gov, before submitting C-103Q**

The rejected C-103Q can be found in the OCD Online: Permitting - Action Status, under the Application ID: 322318.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-103Q.

Thank you,

Gilbert Cordero
Staff Manager
575-626-0830
Gilbert.Cordero@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Adrian Carrasco
Premier Energy Services
2815 W. Industrial Ave
Midland, TX 79701

Project: Crownquest - AN Battery

Project Number: [none]

Location: New Mexico

Lab Order Number: 4D04009



Current Certification

Report Date: 04/08/24

Premier Energy Services 2815 W. Industrial Ave Midland TX, 79701	Project: Crownquest - AN Battery Project Number: [none] Project Manager: Adrian Carrasco
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sample A @ 6"-12"	4D04009-01	Soil	04/03/24 16:52	04-04-2024 13:01
Sample B @ 6"-12"	4D04009-02	Soil	04/03/24 17:01	04-04-2024 13:01
Sample C @ 6"-12"	4D04009-03	Soil	04/03/24 17:05	04-04-2024 13:01
Sample D @ 6"-12"	4D04009-04	Soil	04/03/24 17:11	04-04-2024 13:01
Sample E @ 6"-12"	4D04009-05	Soil	04/03/24 17:15	04-04-2024 13:01

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample A @ 6''-12''
4D04009-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	116 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.1 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:01	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 20:41	TPH 8015M	
>C12-C28	203	26.3	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 20:41	TPH 8015M	
>C28-C35	52.8	26.3	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 20:41	TPH 8015M	
Surrogate: 1-Chlorooctane	100 %		70-130		P4D0411	04/04/24 07:57	04/04/24 20:41	TPH 8015M	
Surrogate: o-Terphenyl	91.8 %		70-130		P4D0411	04/04/24 07:57	04/04/24 20:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	255	26.3	mg/kg dry	1	[CALC]	04/04/24 07:57	04/04/24 20:41	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3240	5.26	mg/kg dry	5	P4D0412	04/04/24 15:35	04/04/24 21:08	EPA 300.0	
% Moisture	5.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample B @ 6''-12''
4D04009-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.2 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	118 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:23	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	275	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 21:04	TPH 8015M	
>C12-C28	879	275	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 21:04	TPH 8015M	
>C28-C35	ND	275	mg/kg dry	10	P4D0411	04/04/24 07:57	04/04/24 21:04	TPH 8015M	
Surrogate: 1-Chlorooctane	92.5 %		70-130		P4D0411	04/04/24 07:57	04/04/24 21:04	TPH 8015M	
Surrogate: o-Terphenyl	80.6 %		70-130		P4D0411	04/04/24 07:57	04/04/24 21:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	879	275	mg/kg dry	10	[CALC]	04/04/24 07:57	04/04/24 21:04	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	342	1.10	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 21:57	EPA 300.0	
% Moisture	9.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample C @ 6"-12"
4D04009-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.2 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	122 %		80-120		P4D0601	04/06/24 14:14	04/06/24 21:45	EPA 8021B	S-GC

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	132	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 21:26	TPH 8015M	
>C12-C28	369	132	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 21:26	TPH 8015M	
>C28-C35	ND	132	mg/kg dry	5	P4D0411	04/04/24 07:57	04/04/24 21:26	TPH 8015M	
Surrogate: 1-Chlorooctane	91.0 %		70-130		P4D0411	04/04/24 07:57	04/04/24 21:26	TPH 8015M	
Surrogate: o-Terphenyl	80.3 %		70-130		P4D0411	04/04/24 07:57	04/04/24 21:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	369	132	mg/kg dry	5	[CALC]	04/04/24 07:57	04/04/24 21:26	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	38.5	1.05	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 22:13	EPA 300.0	
% Moisture	5.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample D @ 6"-12"
4D04009-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	90.4 %		80-120		P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	116 %		80-120		P4D0601	04/06/24 14:14	04/06/24 22:07	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 07:55	TPH 8015M	
>C12-C28	345	26.6	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 07:55	TPH 8015M	
>C28-C35	105	26.6	mg/kg dry	1	P4D0411	04/04/24 07:57	04/05/24 07:55	TPH 8015M	
Surrogate: 1-Chlorooctane	96.5 %		70-130		P4D0411	04/04/24 07:57	04/05/24 07:55	TPH 8015M	
Surrogate: o-Terphenyl	93.0 %		70-130		P4D0411	04/04/24 07:57	04/05/24 07:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	449	26.6	mg/kg dry	1	[CALC]	04/04/24 07:57	04/05/24 07:55	calc	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1280	1.06	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 22:30	EPA 300.0	
% Moisture	6.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Sample E @ 6''-12''
4D04009-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.4 %		80-120		P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	116 %		80-120		P4D0601	04/06/24 14:14	04/06/24 22:30	EPA 8021B	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	27.5	25.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 22:55	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 22:55	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P4D0411	04/04/24 07:57	04/04/24 22:55	TPH 8015M	
Surrogate: 1-Chlorooctane	81.7 %		70-130		P4D0411	04/04/24 07:57	04/04/24 22:55	TPH 8015M	
Surrogate: o-Terphenyl	523 %		70-130		P4D0411	04/04/24 07:57	04/04/24 22:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	27.5	25.5	mg/kg dry	1	[CALC]	04/04/24 07:57	04/04/24 22:55	calc	

General Chemistry Parameters by EPA / Standard Methods									
Chloride	946	1.02	mg/kg dry	1	P4D0412	04/04/24 15:35	04/04/24 22:46	EPA 300.0	
% Moisture	2.0	0.1	%	1	P4D0501	04/05/24 08:06	04/05/24 08:07	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - *** DEFAULT PREP ***

Blank (P4D0601-BLK1)		Prepared & Analyzed: 04/06/24								
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			

LCS (P4D0601-BS1)		Prepared & Analyzed: 04/06/24								
Benzene	0.0972	0.00100	mg/kg	0.100		97.2	80-120			
Toluene	0.0906	0.00100	"	0.100		90.6	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			

LCS Dup (P4D0601-BSD1)		Prepared & Analyzed: 04/06/24								
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	8.59	20	
Toluene	0.0999	0.00100	"	0.100		99.9	80-120	9.86	20	
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120	9.63	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	9.19	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	9.68	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P4D0601-CCB1)		Prepared & Analyzed: 04/06/24								
Benzene	0.240		ug/kg							
Toluene	0.330		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - *** DEFAULT PREP ***

Calibration Blank (P4D0601-CCB2)				Prepared & Analyzed: 04/06/24						
Benzene	0.280		ug/kg							
Toluene	0.300		"							
Ethylbenzene	0.300		"							
Xylene (p/m)	0.240		"							
Xylene (o)	0.290		"							
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.7	80-120			

Calibration Check (P4D0601-CCV1)				Prepared & Analyzed: 04/06/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.0945	0.00100	"	0.100		94.5	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			

Calibration Check (P4D0601-CCV2)				Prepared & Analyzed: 04/06/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Calibration Check (P4D0601-CCV3)				Prepared: 04/06/24 Analyzed: 04/07/24						
Benzene	0.103	0.00100	mg/kg	0.100		103	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0601 - * DEFAULT PREP *****

Matrix Spike (P4D0601-MS1)		Source: 4D03013-01		Prepared: 04/06/24		Analyzed: 04/07/24				
Benzene	0.0527	0.00105	mg/kg dry	0.105	ND	50.1	80-120			QM-05
Toluene	0.0409	0.00105	"	0.105	0.000674	38.3	80-120			QM-05
Ethylbenzene	0.0460	0.00105	"	0.105	0.00581	38.1	80-120			QM-05
Xylene (p/m)	0.118	0.00211	"	0.211	0.0119	50.6	80-120			QM-05
Xylene (o)	0.127	0.00105	"	0.105	0.0246	97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.126		92.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.126		102	80-120			

Matrix Spike Dup (P4D0601-MSD1)		Source: 4D03013-01		Prepared: 04/06/24		Analyzed: 04/07/24				
Benzene	0.0495	0.00105	mg/kg dry	0.105	ND	47.1	80-120	6.24	20	QM-05
Toluene	0.0425	0.00105	"	0.105	0.000674	39.7	80-120	3.74	20	QM-05
Ethylbenzene	0.0530	0.00105	"	0.105	0.00581	44.8	80-120	16.2	20	QM-05
Xylene (p/m)	0.154	0.00211	"	0.211	0.0119	67.4	80-120	28.4	20	QM-05
Xylene (o)	0.157	0.00105	"	0.105	0.0246	126	80-120	25.5	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.148		"	0.126		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.126		85.4	80-120			

Premier Energy Services
2815 W. Industrial Ave
Midland TX, 79701

Project: Crownquest - AN Battery
Project Number: [none]
Project Manager: Adrian Carrasco

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0411 - TX 1005

Blank (P4D0411-BLK1)

Prepared & Analyzed: 04/04/24

C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.4	70-130			

LCS (P4D0411-BS1)

Prepared & Analyzed: 04/04/24

C6-C12	959	25.0	mg/kg	1000		95.9	75-125			
>C12-C28	781	25.0	"	1000		78.1	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	48.3		"	50.0		96.6	70-130			

LCS Dup (P4D0411-BSD1)

Prepared & Analyzed: 04/04/24

C6-C12	919	25.0	mg/kg	1000		91.9	75-125	4.29	20	
>C12-C28	766	25.0	"	1000		76.6	75-125	1.93	20	
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	44.5		"	50.0		88.9	70-130			

Calibration Check (P4D0411-CCV1)

Prepared & Analyzed: 04/04/24

C6-C12	449	25.0	mg/kg	500		89.7	85-115			
>C12-C28	451	25.0	"	500		90.2	85-115			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.4	70-130			

Calibration Check (P4D0411-CCV2)

Prepared & Analyzed: 04/04/24

C6-C12	459	25.0	mg/kg	500		91.7	85-115			
>C12-C28	498	25.0	"	500		99.6	85-115			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	47.8		"	50.0		95.6	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0411 - TX 1005

Calibration Check (P4D0411-CCV3)	Prepared: 04/04/24 Analyzed: 04/05/24									
C6-C12	480	25.0	mg/kg	500		95.9	85-115			
>C12-C28	448	25.0	"	500		89.6	85-115			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	48.1		"	50.0		96.3	70-130			

Permian Basin Environmental Lab, L.P.

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Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4D0412 - *** DEFAULT PREP ***										
Blank (P4D0412-BLK1)				Prepared & Analyzed: 04/04/24						
Chloride	ND	1.00	mg/kg							
LCS (P4D0412-BS1)				Prepared & Analyzed: 04/04/24						
Chloride	17.0		mg/kg	18.0		94.4	90-110			
LCS Dup (P4D0412-BSD1)				Prepared & Analyzed: 04/04/24						
Chloride	16.9		mg/kg	18.0		93.7	90-110	0.774	10	
Calibration Check (P4D0412-CCV1)				Prepared & Analyzed: 04/04/24						
Chloride	17.6		mg/kg	18.0		97.8	90-110			
Calibration Check (P4D0412-CCV2)				Prepared & Analyzed: 04/04/24						
Chloride	18.2		mg/kg	18.0		101	90-110			
Matrix Spike (P4D0412-MS1)		Source: 4D01014-49		Prepared & Analyzed: 04/04/24						
Chloride	141		mg/kg	100	42.9	98.5	80-120			
Matrix Spike (P4D0412-MS2)		Source: 4D04009-01		Prepared & Analyzed: 04/04/24						
Chloride	161		mg/kg	100	61.6	99.7	80-120			
Matrix Spike Dup (P4D0412-MSD1)		Source: 4D01014-49		Prepared & Analyzed: 04/04/24						
Chloride	141		mg/kg	100	42.9	97.9	80-120	0.374	20	
Matrix Spike Dup (P4D0412-MSD2)		Source: 4D04009-01		Prepared & Analyzed: 04/04/24						
Chloride	160		mg/kg	100	61.6	98.7	80-120	0.599	20	
Batch P4D0501 - *** DEFAULT PREP ***										
Blank (P4D0501-BLK1)				Prepared & Analyzed: 04/05/24						
% Moisture	ND	0.1	%							

Premier Energy Services	Project: Crownquest - AN Battery
2815 W. Industrial Ave	Project Number: [none]
Midland TX, 79701	Project Manager: Adrian Carrasco

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P4D0501 - *** DEFAULT PREP ***

Duplicate (P4D0501-DUP1)	Source: 4D04009-03			Prepared & Analyzed: 04/05/24						
% Moisture	4.0	0.1	%		5.0			22.2	20	R3

Premier Energy Services
2815 W. Industrial Ave
Midland TX, 79701

Project: Crownquest - AN Battery
Project Number: [none]
Project Manager: Adrian Carrasco

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 4/8/2024

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Premier Energy Services
2815 W. Industrial Ave
Midland TX, 79701

Project: Crownquest - AN Battery
Project Number: [none]
Project Manager: Adrian Carrasco

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If you have received this material in error, please notify us immediately at 432-686-7235.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-686-7235

Project Manager: Adrian Carasco

Company Name: Premier Energy

Company Address:

City/State/Zip: Midland, TX 79705

Telephone No: (432) 553-7787

Sampler Signature:

(lab use only)

e-mail:

e-mail: cedrian@premierenergyllp.com

ORDER #: 4D04009

Preservation & # of Containers

Matrix

7

TOTAL:

24, 4

Analyze For:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO#:

Project Loc:

Project #:

Project Name: Crownquest- ANU Battery

Page 17 of 17

[illegible]

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

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

CONDITIONS

Action 335056

CONDITIONS

Operator: CROWNQUEST OPERATING, LLC P.O. Box 53310 Midland, TX 79710	OGRID: 213190
	Action Number: 335056
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	Correspondence between OCD and operator.	4/18/2024