



Certificate of Analysis Summary 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills Battery

Project Id:

Contact: Ben Arguijo

Project Location: Off 360 and 217

Date Received in Lab: Fri 04.03.2020 11:35

Report Date: 04.15.2020 16:15

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	657880-001	657880-002	657880-003	657880-004	657880-005	657880-006
	Field Id:	SP-1 @ 6 ft	SP-1 @ 8 ft	SP-1 @ 9 ft	SP-2 @ 5 ft	SP-3 @ 4 ft	SP-3 @ 6 ft
	Depth:	6- ft	8- ft	9- ft	5- ft	4- ft	6- ft
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	04.02.2020 10:30	04.02.2020 10:40	04.02.2020 10:45	04.02.2020 11:35	04.02.2020 13:20	04.02.2020 13:30
BTEX by EPA 8021B	Extracted:	04.13.2020 16:00	04.13.2020 16:00	04.13.2020 16:00	04.11.2020 08:45	04.13.2020 16:00	04.11.2020 09:00
	Analyzed:	04.14.2020 04:52	04.14.2020 02:08	04.14.2020 02:29	04.12.2020 14:24	04.14.2020 05:12	04.13.2020 00:02
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.457 0.100	0.0759 0.0398	<0.0404 0.0404	<0.00199 0.00199	2.71 0.398	<0.00202 0.00202
Toluene		13.9 0.100	1.94 0.0398	0.205 0.0404	<0.00199 0.00199	75.0 0.398	<0.00202 0.00202
Ethylbenzene		38.6 D 0.200	3.99 0.0398	1.48 0.0404	<0.00199 0.00199	143 D 0.996	<0.00202 0.00202
m,p-Xylenes		33.6 0.200	5.02 0.0795	0.656 0.0808	<0.00398 0.00398	133 0.797	<0.00404 0.00404
o-Xylene		25.7 D 0.200	3.54 0.0398	0.442 0.0404	<0.00199 0.00199	58.2 0.398	0.00337 0.00202
Total Xylenes		59.3 0.200	8.56 0.0398	1.10 0.0404	<0.00199 0.00199	191 0.398	0.00337 0.00202
Total BTEX		112 0.100	14.6 0.0398	2.78 0.0404	<0.00199 0.00199	412 0.398	0.00337 0.00202
Chloride by EPA 300	Extracted:	04.06.2020 13:40	04.06.2020 13:40	04.06.2020 13:40	04.06.2020 13:40	04.06.2020 13:40	04.06.2020 13:40
	Analyzed:	04.07.2020 02:16	04.07.2020 02:21	04.07.2020 02:42	04.07.2020 02:26	04.07.2020 02:47	04.07.2020 03:03
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		844 5.02	2660 25.3	1820 25.3	404 4.98	10.7 4.95	<5.00 5.00
TPH By SW8015 Mod	Extracted:	04.07.2020 14:00	04.07.2020 14:00	04.07.2020 14:00	04.07.2020 14:00	04.07.2020 14:00	04.07.2020 14:00
	Analyzed:	04.07.2020 22:49	04.07.2020 23:11	04.07.2020 23:32	04.07.2020 21:45	04.07.2020 23:53	04.08.2020 00:15
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		2080 250	563 250	84.6 50.0	<50.0 50.0	6160 249	<49.9 49.9
Diesel Range Organics (DRO)		9660 250	6640 250	1570 50.0	85.0 50.0	16200 249	102 49.9
Motor Oil Range Hydrocarbons (MRO)		1050 250	833 250	196 50.0	<50.0 50.0	1470 249	<49.9 49.9
Total TPH		12800 250	8040 250	1850 50.0	85.0 50.0	23800 249	102 49.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: South Loco Hills Battery

Project Id:

Contact: Ben Arguijo

Project Location: Off 360 and 217

Date Received in Lab: Fri 04.03.2020 11:35

Report Date: 04.15.2020 16:15

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	657880-007	657880-008				
	Field Id:	SP-4 @ 4 ft	SP-4 @ 6 ft				
	Depth:	4- ft	6- ft				
	Matrix:	SOIL	SOIL				
	Sampled:	04.02.2020 13:55	04.02.2020 14:10				
BTEX by EPA 8021B	Extracted:	04.13.2020 16:00	04.13.2020 16:00				
	Analyzed:	04.14.2020 02:49	04.14.2020 03:09				
	Units/RL:	mg/kg RL	mg/kg RL				
		0.132 0.0396	<0.0399 0.0399				
Benzene							
Toluene		3.63 0.0396	0.293 0.0399				
Ethylbenzene		7.04 0.0396	1.72 0.0399				
m,p-Xylenes		7.80 0.0792	0.745 0.0798				
o-Xylene		3.79 0.0396	0.400 0.0399				
Total Xylenes		11.6 0.0396	1.15 0.0399				
Total BTEX		22.4 0.0396	3.16 0.0399				
Chloride by EPA 300	Extracted:	04.06.2020 13:40	04.06.2020 13:40				
	Analyzed:	04.07.2020 03:08	04.07.2020 03:14				
	Units/RL:	mg/kg RL	mg/kg RL				
		12.4 4.96	770 4.98				
Chloride							
TPH By SW8015 Mod	Extracted:	04.07.2020 14:00	04.07.2020 14:00				
	Analyzed:	04.08.2020 00:36	04.08.2020 00:57				
	Units/RL:	mg/kg RL	mg/kg RL				
		112 49.8	62.9 50.0				
Gasoline Range Hydrocarbons (GRO)							
Diesel Range Organics (DRO)		893 49.8	755 50.0				
Motor Oil Range Hydrocarbons (MRO)		102 49.8	88.6 50.0				
Total TPH		1110 49.8	907 50.0				

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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Analytical Report 657880

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

South Loco Hills Battery

04.15.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



04.15.2020

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **657880**
South Loco Hills Battery
Project Address: Off 360 and 217

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657880. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657880 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'. The signature is written in a cursive, flowing style.

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 6 ft	S	04.02.2020 10:30	6 ft	657880-001
SP-1 @ 8 ft	S	04.02.2020 10:40	8 ft	657880-002
SP-1 @ 9 ft	S	04.02.2020 10:45	9 ft	657880-003
SP-2 @ 5 ft	S	04.02.2020 11:35	5 ft	657880-004
SP-3 @ 4 ft	S	04.02.2020 13:20	4 ft	657880-005
SP-3 @ 6 ft	S	04.02.2020 13:30	6 ft	657880-006
SP-4 @ 4 ft	S	04.02.2020 13:55	4 ft	657880-007
SP-4 @ 6 ft	S	04.02.2020 14:10	6 ft	657880-008



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *South Loco Hills Battery*

Project ID:
Work Order Number(s): 657880

Report Date: 04.15.2020
Date Received: 04.03.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3122851 BTEX by EPA 8021B

Benzene recovered above QC limits in the Blank Spike Duplicate and continuing calibration verifications. Analyte was not detected in any of the associated samples and therefore the data was accepted. Samples in the analytical batch are: 657880-004.

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7701176-1-BKS, 7701176-1-BLK, 7701176-1-BSD, 657849-007 S, 657849-007 SD, 657880-004.

Batch: LBA-3122852 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7701178-1-BKS, 7701178-1-BSD, 657957-001 S, 657957-001 SD, 657880-006.

Continuing calibration verifications biased high for benzene, associated samples non-detect for benzene were reported.

Batch: LBA-3122909 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 657880-001, 657880-005, 657880-007, 657880-003, 657880-002, 657880-008.

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 6 ft**

Lab Sample Id: 657880-001

Matrix: Soil

Date Collected: 04.02.2020 10:30

Date Received: 04.03.2020 11:35

Sample Depth: 6 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Date Prep: 04.06.2020 13:40

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	844	5.02	mg/kg	04.07.2020 02:16		1

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Date Prep: 04.07.2020 14:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	2080	250	mg/kg	04.07.2020 22:49		5
Diesel Range Organics (DRO)	C10C28DRO	9660	250	mg/kg	04.07.2020 22:49		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1050	250	mg/kg	04.07.2020 22:49		5
Total TPH	PHC635	12800	250	mg/kg	04.07.2020 22:49		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-130	04.07.2020 22:49	
o-Terphenyl	84-15-1	110	%	70-130	04.07.2020 22:49	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 6 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-001

Date Collected: 04.02.2020 10:30

Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Seq Number: 3122909

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.457	0.100	mg/kg	04.14.2020 04:52		50
Toluene	108-88-3	13.9	0.100	mg/kg	04.14.2020 04:52		50
Ethylbenzene	100-41-4	38.6	0.200	mg/kg	04.14.2020 15:49	D	100
m,p-Xylenes	179601-23-1	33.6	0.200	mg/kg	04.14.2020 04:52		50
o-Xylene	95-47-6	25.7	0.200	mg/kg	04.14.2020 15:49	D	100
Total Xylenes	1330-20-7	59.3	0.200	mg/kg	04.14.2020 15:49		100
Total BTEX		112	0.100	mg/kg	04.14.2020 15:49		100
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	04.14.2020 04:52		
4-Bromofluorobenzene	460-00-4	285	%	70-130	04.14.2020 04:52	**	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 8 ft**

Lab Sample Id: 657880-002

Matrix: Soil

Date Collected: 04.02.2020 10:40

Date Received: 04.03.2020 11:35

Sample Depth: 8 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 04.06.2020 13:40

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2660	25.3	mg/kg	04.07.2020 02:21		5

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Date Prep: 04.07.2020 14:00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	563	250	mg/kg	04.07.2020 23:11		5
Diesel Range Organics (DRO)	C10C28DRO	6640	250	mg/kg	04.07.2020 23:11		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	833	250	mg/kg	04.07.2020 23:11		5
Total TPH	PHC635	8040	250	mg/kg	04.07.2020 23:11		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	04.07.2020 23:11	
o-Terphenyl	84-15-1	125	%	70-130	04.07.2020 23:11	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 8 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-002

Date Collected: 04.02.2020 10:40

Sample Depth: 8 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Seq Number: 3122909

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.0759	0.0398	mg/kg	04.14.2020 02:08		20
Toluene	108-88-3	1.94	0.0398	mg/kg	04.14.2020 02:08		20
Ethylbenzene	100-41-4	3.99	0.0398	mg/kg	04.14.2020 02:08		20
m,p-Xylenes	179601-23-1	5.02	0.0795	mg/kg	04.14.2020 02:08		20
o-Xylene	95-47-6	3.54	0.0398	mg/kg	04.14.2020 02:08		20
Total Xylenes	1330-20-7	8.56	0.0398	mg/kg	04.14.2020 02:08		20
Total BTEX		14.6	0.0398	mg/kg	04.14.2020 02:08		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	207	%	70-130	04.14.2020 02:08	**	
1,4-Difluorobenzene	540-36-3	102	%	70-130	04.14.2020 02:08		



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 9 ft**

Lab Sample Id: 657880-003

Matrix: Soil

Date Collected: 04.02.2020 10:45

Date Received: 04.03.2020 11:35

Sample Depth: 9 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 04.06.2020 13:40

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1820	25.3	mg/kg	04.07.2020 02:42		5

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Date Prep: 04.07.2020 14:00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	84.6	50.0	mg/kg	04.07.2020 23:32		1
Diesel Range Organics (DRO)	C10C28DRO	1570	50.0	mg/kg	04.07.2020 23:32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	196	50.0	mg/kg	04.07.2020 23:32		1
Total TPH	PHC635	1850	50.0	mg/kg	04.07.2020 23:32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	04.07.2020 23:32	
o-Terphenyl	84-15-1	122	%	70-130	04.07.2020 23:32	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-1 @ 9 ft**

Lab Sample Id: 657880-003

Matrix: Soil

Date Collected: 04.02.2020 10:45

Date Received: 04.03.2020 11:35

Sample Depth: 9 ft

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3122909

Prep Method: SW5030B

% Moisture:

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0404	0.0404	mg/kg	04.14.2020 02:29	U	20
Toluene	108-88-3	0.205	0.0404	mg/kg	04.14.2020 02:29		20
Ethylbenzene	100-41-4	1.48	0.0404	mg/kg	04.14.2020 02:29		20
m,p-Xylenes	179601-23-1	0.656	0.0808	mg/kg	04.14.2020 02:29		20
o-Xylene	95-47-6	0.442	0.0404	mg/kg	04.14.2020 02:29		20
Total Xylenes	1330-20-7	1.10	0.0404	mg/kg	04.14.2020 02:29		20
Total BTEX		2.78	0.0404	mg/kg	04.14.2020 02:29		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	138	%	70-130	04.14.2020 02:29	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	04.14.2020 02:29		



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-2 @ 5 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-004

Date Collected: 04.02.2020 11:35

Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.06.2020 13:40

Basis: Wet Weight

Seq Number: 3122156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	404	4.98	mg/kg	04.07.2020 02:26		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 04.07.2020 14:00

Basis: Wet Weight

Seq Number: 3122297

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.07.2020 21:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	85.0	50.0	mg/kg	04.07.2020 21:45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.07.2020 21:45	U	1
Total TPH	PHC635	85.0	50.0	mg/kg	04.07.2020 21:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	04.07.2020 21:45	
o-Terphenyl	84-15-1	122	%	70-130	04.07.2020 21:45	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-2 @ 5 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-004

Date Collected: 04.02.2020 11:35

Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.11.2020 08:45

Basis: Wet Weight

Seq Number: 3122851

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.12.2020 14:24	UH	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.12.2020 14:24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.12.2020 14:24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.12.2020 14:24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.12.2020 14:24	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.12.2020 14:24	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.12.2020 14:24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	70-130	04.12.2020 14:24		
4-Bromofluorobenzene	460-00-4	256	%	70-130	04.12.2020 14:24	**	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-3 @ 4 ft**

Lab Sample Id: 657880-005

Matrix: Soil

Date Collected: 04.02.2020 13:20

Date Received: 04.03.2020 11:35

Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Prep Method: E300P

% Moisture:

Date Prep: 04.06.2020 13:40

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.7	4.95	mg/kg	04.07.2020 02:47		1

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Prep Method: SW8015P

% Moisture:

Date Prep: 04.07.2020 14:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	6160	249	mg/kg	04.07.2020 23:53		5
Diesel Range Organics (DRO)	C10C28DRO	16200	249	mg/kg	04.07.2020 23:53		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1470	249	mg/kg	04.07.2020 23:53		5
Total TPH	PHC635	23800	249	mg/kg	04.07.2020 23:53		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-130	04.07.2020 23:53	
o-Terphenyl	84-15-1	110	%	70-130	04.07.2020 23:53	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-3 @ 4 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-005

Date Collected: 04.02.2020 13:20

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Seq Number: 3122909

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	2.71	0.398	mg/kg	04.14.2020 05:12		200
Toluene	108-88-3	75.0	0.398	mg/kg	04.14.2020 05:12		200
Ethylbenzene	100-41-4	143	0.996	mg/kg	04.14.2020 16:10	D	500
m,p-Xylenes	179601-23-1	133	0.797	mg/kg	04.14.2020 05:12		200
o-Xylene	95-47-6	58.2	0.398	mg/kg	04.14.2020 05:12		200
Total Xylenes	1330-20-7	191	0.398	mg/kg	04.14.2020 05:12		200
Total BTEX		412	0.398	mg/kg	04.14.2020 16:10		500
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	266	%	70-130	04.14.2020 05:12	**	
1,4-Difluorobenzene	540-36-3	116	%	70-130	04.14.2020 05:12		



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-3 @ 6 ft**

Lab Sample Id: 657880-006

Matrix: Soil

Date Collected: 04.02.2020 13:30

Date Received: 04.03.2020 11:35

Sample Depth: 6 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 04.06.2020 13:40

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	04.07.2020 03:03	U	1

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Date Prep: 04.07.2020 14:00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.08.2020 00:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	102	49.9	mg/kg	04.08.2020 00:15		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.08.2020 00:15	U	1
Total TPH	PHC635	102	49.9	mg/kg	04.08.2020 00:15		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	04.08.2020 00:15	
o-Terphenyl	84-15-1	124	%	70-130	04.08.2020 00:15	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-3 @ 6 ft**

Lab Sample Id: 657880-006

Matrix: Soil

Date Collected: 04.02.2020 13:30

Date Received: 04.03.2020 11:35

Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Tech: KTL

Analyst: KTL

Seq Number: 3122852

Prep Method: SW5030B

% Moisture:

Date Prep: 04.11.2020 09:00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.13.2020 00:02	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.13.2020 00:02	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.13.2020 00:02	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	04.13.2020 00:02	U	1
o-Xylene	95-47-6	0.00337	0.00202	mg/kg	04.13.2020 00:02		1
Total Xylenes	1330-20-7	0.00337	0.00202	mg/kg	04.13.2020 00:02		1
Total BTEX		0.00337	0.00202	mg/kg	04.13.2020 00:02		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	199	%	70-130	04.13.2020 00:02	**	
1,4-Difluorobenzene	540-36-3	98	%	70-130	04.13.2020 00:02		



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-4 @ 4 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-007

Date Collected: 04.02.2020 13:55

Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.06.2020 13:40

Basis: Wet Weight

Seq Number: 3122156

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.4	4.96	mg/kg	04.07.2020 03:08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 04.07.2020 14:00

Basis: Wet Weight

Seq Number: 3122297

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	112	49.8	mg/kg	04.08.2020 00:36		1
Diesel Range Organics (DRO)	C10C28DRO	893	49.8	mg/kg	04.08.2020 00:36		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	102	49.8	mg/kg	04.08.2020 00:36		1
Total TPH	PHC635	1110	49.8	mg/kg	04.08.2020 00:36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-130	04.08.2020 00:36	
o-Terphenyl	84-15-1	123	%	70-130	04.08.2020 00:36	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-4 @ 4 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-007

Date Collected: 04.02.2020 13:55

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Seq Number: 3122909

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.132	0.0396	mg/kg	04.14.2020 02:49		20
Toluene	108-88-3	3.63	0.0396	mg/kg	04.14.2020 02:49		20
Ethylbenzene	100-41-4	7.04	0.0396	mg/kg	04.14.2020 02:49		20
m,p-Xylenes	179601-23-1	7.80	0.0792	mg/kg	04.14.2020 02:49		20
o-Xylene	95-47-6	3.79	0.0396	mg/kg	04.14.2020 02:49		20
Total Xylenes	1330-20-7	11.6	0.0396	mg/kg	04.14.2020 02:49		20
Total BTEX		22.4	0.0396	mg/kg	04.14.2020 02:49		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	214	%	70-130	04.14.2020 02:49	**	
1,4-Difluorobenzene	540-36-3	106	%	70-130	04.14.2020 02:49		



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-4 @ 6 ft**

Lab Sample Id: 657880-008

Matrix: Soil

Date Collected: 04.02.2020 14:10

Date Received: 04.03.2020 11:35

Sample Depth: 6 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3122156

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 04.06.2020 13:40

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	770	4.98	mg/kg	04.07.2020 03:14		1

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ARM

Seq Number: 3122297

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Date Prep: 04.07.2020 14:00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	62.9	50.0	mg/kg	04.08.2020 00:57		1
Diesel Range Organics (DRO)	C10C28DRO	755	50.0	mg/kg	04.08.2020 00:57		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	88.6	50.0	mg/kg	04.08.2020 00:57		1
Total TPH	PHC635	907	50.0	mg/kg	04.08.2020 00:57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-130	04.08.2020 00:57	
o-Terphenyl	84-15-1	126	%	70-130	04.08.2020 00:57	



Certificate of Analytical Results 657880

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

South Loco Hills Battery

Sample Id: **SP-4 @ 6 ft**

Matrix: Soil

Date Received: 04.03.2020 11:35

Lab Sample Id: 657880-008

Date Collected: 04.02.2020 14:10

Sample Depth: 6 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 04.13.2020 16:00

Basis: Wet Weight

Seq Number: 3122909

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0399	0.0399	mg/kg	04.14.2020 03:09	U	20
Toluene	108-88-3	0.293	0.0399	mg/kg	04.14.2020 03:09		20
Ethylbenzene	100-41-4	1.72	0.0399	mg/kg	04.14.2020 03:09		20
m,p-Xylenes	179601-23-1	0.745	0.0798	mg/kg	04.14.2020 03:09		20
o-Xylene	95-47-6	0.400	0.0399	mg/kg	04.14.2020 03:09		20
Total Xylenes	1330-20-7	1.15	0.0399	mg/kg	04.14.2020 03:09		20
Total BTEX		3.16	0.0399	mg/kg	04.14.2020 03:09		20
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	142	%	70-130	04.14.2020 03:09	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	04.14.2020 03:09		

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

****** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Trinity Oilfield Services & Rentals, LLC
South Loco Hills Battery

Analytical Method: Chloride by EPA 300

Seq Number: 3122156

MB Sample Id: 7700636-1-BLK

Matrix: Solid

LCS Sample Id: 7700636-1-BKS

Prep Method: E300P

Date Prep: 04.06.2020

LCSD Sample Id: 7700636-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	249	100	245	98	90-110	2	20	mg/kg	04.07.2020 01:02	

Analytical Method: Chloride by EPA 300

Seq Number: 3122156

Parent Sample Id: 657880-004

Matrix: Soil

MS Sample Id: 657880-004 S

Prep Method: E300P

Date Prep: 04.06.2020

MSD Sample Id: 657880-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	404	249	630	91	638	94	90-110	1	20	mg/kg	04.07.2020 02:31	

Analytical Method: Chloride by EPA 300

Seq Number: 3122156

Parent Sample Id: 657972-005

Matrix: Soil

MS Sample Id: 657972-005 S

Prep Method: E300P

Date Prep: 04.06.2020

MSD Sample Id: 657972-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	25.6	253	272	97	270	97	90-110	1	20	mg/kg	04.07.2020 01:18	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3122297

MB Sample Id: 7700740-1-BLK

Matrix: Solid

LCS Sample Id: 7700740-1-BKS

Prep Method: SW8015P

Date Prep: 04.07.2020

LCSD Sample Id: 7700740-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	966	97	70-130	13	20	mg/kg	04.07.2020 21:02	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1060	106	70-130	11	20	mg/kg	04.07.2020 21:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		118		104		70-130	%	04.07.2020 21:02
o-Terphenyl	128		116		114		70-130	%	04.07.2020 21:02

Analytical Method: TPH By SW8015 Mod

Seq Number: 3122297

Matrix: Solid

MB Sample Id: 7700740-1-BLK

Prep Method: SW8015P

Date Prep: 04.07.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.07.2020 20:41	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
South Loco Hills Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3122297

Parent Sample Id: 657880-004

Matrix: Soil

MS Sample Id: 657880-004 S

Prep Method: SW8015P

Date Prep: 04.07.2020

MSD Sample Id: 657880-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	965	97	1030	103	70-130	7	20	mg/kg	04.07.2020 22:06	
Diesel Range Organics (DRO)	85.0	997	1100	102	1200	112	70-130	9	20	mg/kg	04.07.2020 22:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		110		70-130	%	04.07.2020 22:06
o-Terphenyl	112		123		70-130	%	04.07.2020 22:06

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122851

MB Sample Id: 7701176-1-BLK

Matrix: Solid

LCS Sample Id: 7701176-1-BKS

Prep Method: SW5030B

Date Prep: 04.11.2020

LCSD Sample Id: 7701176-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.130	130	0.134	134	70-130	3	35	mg/kg	04.12.2020 03:44	H
Toluene	<0.00200	0.100	0.116	116	0.113	113	70-130	3	35	mg/kg	04.12.2020 03:44	
Ethylbenzene	<0.00200	0.100	0.112	112	0.106	106	70-130	6	35	mg/kg	04.12.2020 03:44	
m,p-Xylenes	<0.00400	0.200	0.243	122	0.230	115	70-130	5	35	mg/kg	04.12.2020 03:44	
o-Xylene	<0.00200	0.100	0.124	124	0.118	118	70-130	5	35	mg/kg	04.12.2020 03:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		111		107		70-130	%	04.12.2020 03:44
4-Bromofluorobenzene	135	**	171	**	156	**	70-130	%	04.12.2020 03:44

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122852

MB Sample Id: 7701178-1-BLK

Matrix: Solid

LCS Sample Id: 7701178-1-BKS

Prep Method: SW5030B

Date Prep: 04.11.2020

LCSD Sample Id: 7701178-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.127	127	0.129	129	70-130	2	35	mg/kg	04.12.2020 15:24	
Toluene	<0.00200	0.100	0.115	115	0.120	120	70-130	4	35	mg/kg	04.12.2020 15:24	
Ethylbenzene	<0.00200	0.100	0.110	110	0.115	115	70-130	4	35	mg/kg	04.12.2020 15:24	
m,p-Xylenes	<0.00400	0.200	0.239	120	0.251	126	70-130	5	35	mg/kg	04.12.2020 15:24	
o-Xylene	<0.00200	0.100	0.123	123	0.129	129	70-130	5	35	mg/kg	04.12.2020 15:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		110		117		70-130	%	04.12.2020 15:24
4-Bromofluorobenzene	125		167	**	170	**	70-130	%	04.12.2020 15:24

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
South Loco Hills Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122909

MB Sample Id: 7701209-1-BLK

Matrix: Solid

LCS Sample Id: 7701209-1-BKS

Prep Method: SW5030B

Date Prep: 04.13.2020

LCSD Sample Id: 7701209-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0962	96	0.0877	88	70-130	9	35	mg/kg	04.14.2020 06:14	
Toluene	<0.00200	0.100	0.102	102	0.103	103	70-130	1	35	mg/kg	04.14.2020 06:14	
Ethylbenzene	<0.00200	0.100	0.100	100	0.105	105	70-130	5	35	mg/kg	04.14.2020 06:14	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.215	108	70-130	6	35	mg/kg	04.14.2020 06:14	
o-Xylene	<0.00200	0.100	0.103	103	0.108	108	70-130	5	35	mg/kg	04.14.2020 06:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		106		100		70-130	%	04.14.2020 06:14
4-Bromofluorobenzene	112		107		111		70-130	%	04.14.2020 06:14

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122851

Parent Sample Id: 657849-007

Matrix: Soil

MS Sample Id: 657849-007 S

Prep Method: SW5030B

Date Prep: 04.11.2020

MSD Sample Id: 657849-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.110	110	0.106	107	70-130	4	35	mg/kg	04.12.2020 04:24	
Toluene	<0.00199	0.0996	0.0989	99	0.0897	90	70-130	10	35	mg/kg	04.12.2020 04:24	
Ethylbenzene	<0.00199	0.0996	0.0964	97	0.0810	81	70-130	17	35	mg/kg	04.12.2020 04:24	
m,p-Xylenes	<0.00398	0.199	0.210	106	0.173	87	70-130	19	35	mg/kg	04.12.2020 04:24	
o-Xylene	0.000382	0.0996	0.107	107	0.0893	89	70-130	18	35	mg/kg	04.12.2020 04:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		110		70-130	%	04.12.2020 04:24
4-Bromofluorobenzene	157	**	161	**	70-130	%	04.12.2020 04:24

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122852

Parent Sample Id: 657957-001

Matrix: Soil

MS Sample Id: 657957-001 S

Prep Method: SW5030B

Date Prep: 04.11.2020

MSD Sample Id: 657957-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.112	112	0.124	124	70-130	10	35	mg/kg	04.12.2020 16:04	
Toluene	<0.00200	0.100	0.109	109	0.108	108	70-130	1	35	mg/kg	04.12.2020 16:04	
Ethylbenzene	<0.00200	0.100	0.105	105	0.102	102	70-130	3	35	mg/kg	04.12.2020 16:04	
m,p-Xylenes	<0.00400	0.200	0.230	115	0.218	109	70-130	5	35	mg/kg	04.12.2020 16:04	
o-Xylene	<0.00200	0.100	0.114	114	0.110	110	70-130	4	35	mg/kg	04.12.2020 16:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		111		70-130	%	04.12.2020 16:04
4-Bromofluorobenzene	163	**	158	**	70-130	%	04.12.2020 16:04

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
South Loco Hills Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3122909

Parent Sample Id: 658650-001

Matrix: Soil

MS Sample Id: 658650-001 S

Prep Method: SW5030B

Date Prep: 04.13.2020

MSD Sample Id: 658650-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0690	69	0.0734	74	70-130	6	35	mg/kg	04.13.2020 20:01	X
Toluene	<0.00200	0.0998	0.0684	69	0.0729	73	70-130	6	35	mg/kg	04.13.2020 20:01	X
Ethylbenzene	<0.00200	0.0998	0.0589	59	0.0618	62	70-130	5	35	mg/kg	04.13.2020 20:01	X
m,p-Xylenes	<0.00399	0.200	0.120	60	0.124	62	70-130	3	35	mg/kg	04.13.2020 20:01	X
o-Xylene	<0.00200	0.0998	0.0580	58	0.0616	62	70-130	6	35	mg/kg	04.13.2020 20:01	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		108		70-130	%	04.13.2020 20:01
4-Bromofluorobenzene	105		106		70-130	%	04.13.2020 20:01

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04.03.2020 11.35.00 AM

Work Order #: 657880

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:



Brianna Teel

Date: 04.06.2020

Checklist reviewed by:



Holly Taylor

Date: 04.06.2020