

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NRM1926647540
District RP	1RP-5679
Facility ID	
Application ID	pRM1926650996

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?	600 (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 Please reference Closure Documentation that has been prepared for NDHR1917956574 for additional information
- ☒ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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


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State of New Mexico
Oil Conservation Division

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Incident ID	
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: Chris PriceTitle: Area ManagerSignature: Date: 9-4-20email: CPrice@targaresources.comTelephone: 575-602-6005**OCD Only**

Received by: _____

Date: _____

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Oil Conservation Division

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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)
Please reference Closure Documentation that has been prepared for NDHR1917956574 for additional information
- ☒ 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: Chris Price Title: Area Manager

Signature:  Date: 9-4-20

email: CPrice@targaresources.com Telephone: 575-602-6005

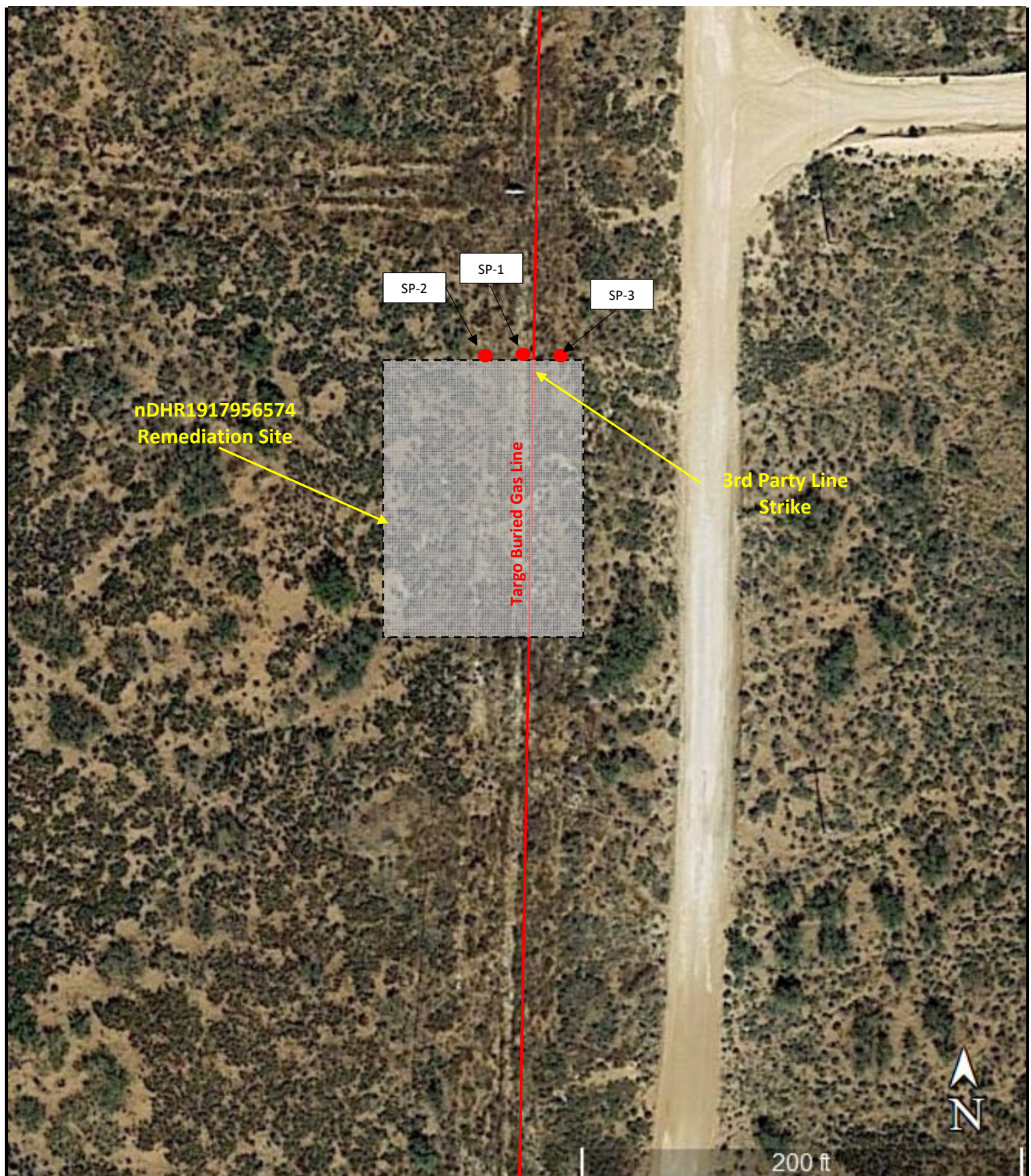
OCD Only

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: _____



Legend:

- Sample Point
- Excavated Area
- Buried Pipeline

Figure 3
 Site and Sample Location Map
 Targa Midstream Services, LLC
 Dagger Lake Select Release
 GPS: 32.423459, -103.604416
 Lea County

eTECH
 Environmental & Safety Solutions, Inc.

Drafted:

Checked: jwl

Date: 8/26/20

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
Targa Midstream Services, LLC
Dagger Lake Select Release
NMOCD Ref. #: nRM1926647540

NMOCD Closure Criteria				10	50	-	-		-	2500	20000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP1 @ 1'	8/11/2020	1'	In-Situ	<0.00200	0.00286	<50.0	<50.0	<50.0	<50.0	<50.0	7.17
SP1 @ 3'	8/11/2020	3'	In-Situ	<0.00199	0.00305	<50.0	<50.0	<50.0	<50.0	<50.0	<5.00
SP2 @ 1'	8/11/2020	1'	In-Situ	<0.00198	0.00578	<49.8	<49.8	<49.8	<49.8	<49.8	<5.05
SP2 @ 3'	8/11/2020	3'	In-Situ	<0.00198	0.00492	<50.0	<50.0	<50.0	<50.0	<50.0	<4.98
SP5 @ 5'	8/11/2020	5'	In-Situ	<0.00199	0.00475	<49.9	<49.9	<49.9	<49.9	<49.9	13.8
SP3 @ 1'	8/11/2020	1'	In-Situ	<0.00199	0.00572	<49.8	<49.8	<49.8	<49.8	<49.8	<5.01
SP3 @ 3'	8/11/2020	3'	In-Situ	<0.00200	0.00414	<50.0	<50.0	<50.0	<50.0	<50.0	<5.00

NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria



Certificate of Analysis Summary 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Dagger Lake Select Release

Project Id: 12840
Contact: PM
Project Location: Lea County, NM

Date Received in Lab: Wed 08.12.2020 11:20
Report Date: 08.18.2020 14:02
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	669779-001	669779-002	669779-003	669779-004	669779-005	669779-006
	<i>Field Id:</i>	SP1 @ 1'	SP1 @ 3'	SP2 @ 1'	SP2 @ 3'	SP5 @ 5'	SP3 @ 1'
	<i>Depth:</i>	1- ft	3- ft	1- ft	3- ft	5- ft	1- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	08.14.2020 08:00	08.14.2020 08:00	08.14.2020 08:00	08.14.2020 08:00	08.14.2020 08:00	08.14.2020 08:00
	<i>Analyzed:</i>	08.14.2020 15:35	08.14.2020 15:56	08.14.2020 10:19	08.14.2020 12:44	08.14.2020 13:05	08.14.2020 13:25
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199
Toluene		0.00286 0.00200	0.00305 0.00199	0.00578 0.00198	0.00492 0.00198	0.00475 0.00199	0.00572 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199
m,p-Xylenes		<0.00400 0.00400	<0.00398 0.00398	<0.00396 0.00396	<0.00396 0.00396	<0.00398 0.00398	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199
Total BTEX		0.00286 0.00200	0.00305 0.00199	0.00578 0.00198	0.00492 0.00198	0.00475 0.00199	0.00572 0.00199
Chloride by EPA 300	<i>Extracted:</i>	08.12.2020 16:40	08.12.2020 16:40	08.12.2020 16:40	08.12.2020 16:40	08.12.2020 16:40	08.13.2020 10:25
	<i>Analyzed:</i>	08.12.2020 18:54	08.12.2020 19:13	08.12.2020 19:20	08.12.2020 19:26	08.12.2020 19:32	08.13.2020 11:37
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		7.17 5.00	<5.00 5.00	<5.05 5.05	<4.98 4.98	13.8 4.96	<5.01 5.01
TPH By SW8015 Mod	<i>Extracted:</i>	08.13.2020 12:00	08.13.2020 12:00	08.13.2020 12:00	08.13.2020 12:00	08.13.2020 12:00	08.13.2020 12:00
	<i>Analyzed:</i>	08.13.2020 18:32	08.13.2020 18:53	08.13.2020 19:15	08.13.2020 19:37	08.13.2020 19:58	08.13.2020 20:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.8 49.8
Total TPH		<50.0 50.0	<50.0 50.0	<49.8 49.8	<50.0 50.0	<49.9 49.9	<49.8 49.8

BRL - Below Reporting Limit

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

Jessica Kramer

Certificate of Analysis Summary 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Project Name: Dagger Lake Select Release

Project Id: 12840
Contact: PM
Project Location: Lea County, NM

Date Received in Lab: Wed 08.12.2020 11:20
Report Date: 08.18.2020 14:02
Project Manager: Jessica Kramer

Analysis Requested	Lab Id: 669779-007 Field Id: SP3 @ 3' Depth: 3- ft Matrix: SOIL Sampled: 08.11.2020 00:00					
BTEX by EPA 8021B	Extracted: 08.14.2020 08:00 Analyzed: 08.14.2020 13:46 Units/RL: mg/kg RL					
Benzene	<0.00200 0.00200					
Toluene	0.00414 0.00200					
Ethylbenzene	<0.00200 0.00200					
m,p-Xylenes	<0.00400 0.00400					
o-Xylene	<0.00200 0.00200					
Total Xylenes	<0.00200 0.00200					
Total BTEX	0.00414 0.00200					
Chloride by EPA 300	Extracted: 08.13.2020 10:25 Analyzed: 08.13.2020 11:56 Units/RL: mg/kg RL					
Chloride	<5.00 5.00					
TPH By SW8015 Mod	Extracted: 08.13.2020 12:00 Analyzed: 08.13.2020 20:41 Units/RL: mg/kg RL					
Gasoline Range Hydrocarbons (GRO)	<50.0 50.0					
Diesel Range Organics (DRO)	<50.0 50.0					
Motor Oil Range Hydrocarbons (MRO)	<50.0 50.0					
Total TPH	<50.0 50.0					

BRL - Below Reporting Limit

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



Analytical Report 669779

for

Etech Environmental & Safety Solution, Inc

Project Manager: PM

Dagger Lake Select Release

12840

08.18.2020

Collected By: Client



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

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.18.2020

Project Manager: **PM**

Etech Environmental & Safety Solution, Inc

P.O. Box 62228

Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **669779**

Dagger Lake Select Release

Project Address: Lea County, NM

PM :

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 Eurofins Xenco, LLC Report Number(s) 669779. 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 Eurofins Xenco, LLC. 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. 669779 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 Eurofins Xenco, LLC 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 "Jessica Kramer".

Jessica Kramer

Project Manager

A Small Business and Minority Company

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

**Sample Cross Reference 669779****Etech Environmental & Safety Solution, Inc, Midland, TX****Dagger Lake Select Release**

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP1 @ 1'	S	08.11.2020 00:00	1 ft	669779-001
SP1 @ 3'	S	08.11.2020 00:00	3 ft	669779-002
SP2 @ 1'	S	08.11.2020 00:00	1 ft	669779-003
SP2 @ 3'	S	08.11.2020 00:00	3 ft	669779-004
SP5 @ 5'	S	08.11.2020 00:00	5 ft	669779-005
SP3 @ 1'	S	08.11.2020 00:00	1 ft	669779-006
SP3 @ 3'	S	08.11.2020 00:00	3 ft	669779-007



CASE NARRATIVE

Client Name: Etech Environmental & Safety Solution, Inc

Project Name: Dagger Lake Select Release

Project ID: 12840
Work Order Number(s): 669779

Report Date: 08.18.2020
Date Received: 08.12.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP1 @ 1'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-001 Date Collected: 08.11.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 08.12.2020 16:40 Basis: Wet Weight
 Seq Number: 3134378

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.17	5.00	mg/kg	08.12.2020 18:54		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.13.2020 18:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.13.2020 18:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.13.2020 18:32	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.13.2020 18:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.13.2020 18:32	
o-Terphenyl	84-15-1	105	%	70-130	08.13.2020 18:32	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP1 @ 1'**
 Lab Sample Id: 669779-001

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.14.2020 15:35	U	1
Toluene	108-88-3	0.00286	0.00200	mg/kg	08.14.2020 15:35		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.14.2020 15:35	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.14.2020 15:35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.14.2020 15:35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.14.2020 15:35	U	1
Total BTEX		0.00286	0.00200	mg/kg	08.14.2020 15:35		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	119	%	70-130	08.14.2020 15:35		
4-Bromofluorobenzene	460-00-4	97	%	70-130	08.14.2020 15:35		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP1 @ 3'**
Lab Sample Id: 669779-002

Matrix: Soil
Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
Sample Depth: 3 ft

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3134378

Date Prep: 08.12.2020 16:40

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	08.12.2020 19:13	U	1

Analytical Method: TPH By SW8015 Mod

Tech: DVM

Analyst: ALA

Seq Number: 3134552

Date Prep: 08.13.2020 12:00

Prep Method: SW8015P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.13.2020 18:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.13.2020 18:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.13.2020 18:53	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.13.2020 18:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-130	08.13.2020 18:53	
o-Terphenyl	84-15-1	105	%	70-130	08.13.2020 18:53	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP1 @ 3'**
 Lab Sample Id: 669779-002

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 3 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134669

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.14.2020 15:56	U	1
Toluene	108-88-3	0.00305	0.00199	mg/kg	08.14.2020 15:56		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.14.2020 15:56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.14.2020 15:56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.14.2020 15:56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.14.2020 15:56	U	1
Total BTEX		0.00305	0.00199	mg/kg	08.14.2020 15:56		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	08.14.2020 15:56		
1,4-Difluorobenzene	540-36-3	119	%	70-130	08.14.2020 15:56		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP2 @ 1'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-003 Date Collected: 08.11.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 08.12.2020 16:40 Basis: Wet Weight
 Seq Number: 3134378

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.05	5.05	mg/kg	08.12.2020 19:20	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.13.2020 19:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.13.2020 19:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.13.2020 19:15	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.13.2020 19:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	08.13.2020 19:15	
o-Terphenyl	84-15-1	110	%	70-130	08.13.2020 19:15	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP2 @ 1'**
 Lab Sample Id: 669779-003

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134566

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.14.2020 10:19	U	1
Toluene	108-88-3	0.00578	0.00198	mg/kg	08.14.2020 10:19		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.14.2020 10:19	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.14.2020 10:19	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.14.2020 10:19	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.14.2020 10:19	U	1
Total BTEX		0.00578	0.00198	mg/kg	08.14.2020 10:19		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	08.14.2020 10:19		
1,4-Difluorobenzene	540-36-3	103	%	70-130	08.14.2020 10:19		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP2 @ 3'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-004 Date Collected: 08.11.2020 00:00 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 08.12.2020 16:40 Basis: Wet Weight
 Seq Number: 3134378

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	08.12.2020 19:26	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.13.2020 19:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.13.2020 19:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.13.2020 19:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.13.2020 19:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	08.13.2020 19:37	
o-Terphenyl	84-15-1	108	%	70-130	08.13.2020 19:37	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP2 @ 3'**
 Lab Sample Id: 669779-004

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 3 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134566

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	08.14.2020 12:44	U	1
Toluene	108-88-3	0.00492	0.00198	mg/kg	08.14.2020 12:44		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	08.14.2020 12:44	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	08.14.2020 12:44	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	08.14.2020 12:44	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	08.14.2020 12:44	U	1
Total BTEX		0.00492	0.00198	mg/kg	08.14.2020 12:44		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.14.2020 12:44		
1,4-Difluorobenzene	540-36-3	101	%	70-130	08.14.2020 12:44		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP5 @ 5'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-005 Date Collected: 08.11.2020 00:00 Sample Depth: 5 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 08.12.2020 16:40 Basis: Wet Weight
 Seq Number: 3134378

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13.8	4.96	mg/kg	08.12.2020 19:32		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	08.13.2020 19:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	08.13.2020 19:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	08.13.2020 19:58	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	08.13.2020 19:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-130	08.13.2020 19:58	
o-Terphenyl	84-15-1	105	%	70-130	08.13.2020 19:58	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP5 @ 5'**
 Lab Sample Id: 669779-005

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134566

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.14.2020 13:05	U	1
Toluene	108-88-3	0.00475	0.00199	mg/kg	08.14.2020 13:05		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.14.2020 13:05	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.14.2020 13:05	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.14.2020 13:05	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.14.2020 13:05	U	1
Total BTEX		0.00475	0.00199	mg/kg	08.14.2020 13:05		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	70-130	08.14.2020 13:05		
1,4-Difluorobenzene	540-36-3	100	%	70-130	08.14.2020 13:05		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP3 @ 1'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-006 Date Collected: 08.11.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.01	5.01	mg/kg	08.13.2020 11:37	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	08.13.2020 20:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	08.13.2020 20:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	08.13.2020 20:20	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	08.13.2020 20:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	08.13.2020 20:20	
o-Terphenyl	84-15-1	108	%	70-130	08.13.2020 20:20	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP3 @ 1'**
 Lab Sample Id: 669779-006

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134566

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	08.14.2020 13:25	U	1
Toluene	108-88-3	0.00572	0.00199	mg/kg	08.14.2020 13:25		1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	08.14.2020 13:25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	08.14.2020 13:25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	08.14.2020 13:25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	08.14.2020 13:25	U	1
Total BTEX		0.00572	0.00199	mg/kg	08.14.2020 13:25		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.14.2020 13:25		
1,4-Difluorobenzene	540-36-3	104	%	70-130	08.14.2020 13:25		



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP3 @ 3'** Matrix: Soil Date Received: 08.12.2020 11:20
 Lab Sample Id: 669779-007 Date Collected: 08.11.2020 00:00 Sample Depth: 3 ft
 Analytical Method: Chloride by EPA 300 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	08.13.2020 11:56	U	1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ALA Date Prep: 08.13.2020 12:00 Basis: Wet Weight
 Seq Number: 3134552

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	08.13.2020 20:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	08.13.2020 20:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	08.13.2020 20:41	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	08.13.2020 20:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	08.13.2020 20:41	
o-Terphenyl	84-15-1	105	%	70-130	08.13.2020 20:41	



Certificate of Analytical Results 669779

Etech Environmental & Safety Solution, Inc, Midland, TX

Dagger Lake Select Release

Sample Id: **SP3 @ 3'**
 Lab Sample Id: 669779-007

Matrix: Soil
 Date Collected: 08.11.2020 00:00

Date Received: 08.12.2020 11:20
 Sample Depth: 3 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: KTL

% Moisture:

Analyst: KTL

Date Prep: 08.14.2020 08:00

Basis: Wet Weight

Seq Number: 3134566

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	08.14.2020 13:46	U	1
Toluene	108-88-3	0.00414	0.00200	mg/kg	08.14.2020 13:46		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	08.14.2020 13:46	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	08.14.2020 13:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	08.14.2020 13:46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	08.14.2020 13:46	U	1
Total BTEX		0.00414	0.00200	mg/kg	08.14.2020 13:46		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	08.14.2020 13:46		
4-Bromofluorobenzene	460-00-4	102	%	70-130	08.14.2020 13:46		

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



Etech Environmental & Safety Solution, Inc

Dagger Lake Select Release

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

MB Sample Id: 7709299-1-BLK

Matrix: Solid

LCS Sample Id: 7709299-1-BKS

Prep Method: E300P

Date Prep: 08.12.2020

LCSD Sample Id: 7709299-1-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	273	109	274	110	90-110	0	20	mg/kg	08.12.2020 16:47	

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

MB Sample Id: 7709361-1-BLK

Matrix: Solid

LCS Sample Id: 7709361-1-BKS

Prep Method: E300P

Date Prep: 08.13.2020

LCSD Sample Id: 7709361-1-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	265	106	265	106	90-110	0	20	mg/kg	08.13.2020 11:25	

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

Parent Sample Id: 669777-001

Matrix: Soil

MS Sample Id: 669777-001 S

Prep Method: E300P

Date Prep: 08.12.2020

MSD Sample Id: 669777-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.96	248	282	114	280	113	90-110	1	20	mg/kg	08.12.2020 17:06	X

Analytical Method: Chloride by EPA 300

Seq Number: 3134378

Parent Sample Id: 669808-001

Matrix: Soil

MS Sample Id: 669808-001 S

Prep Method: E300P

Date Prep: 08.12.2020

MSD Sample Id: 669808-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2230	1240	3590	110	3590	110	90-110	0	20	mg/kg	08.12.2020 18:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

Parent Sample Id: 669779-006

Matrix: Soil

MS Sample Id: 669779-006 S

Prep Method: E300P

Date Prep: 08.13.2020

MSD Sample Id: 669779-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.01	251	271	108	271	108	90-110	0	20	mg/kg	08.13.2020 11:44	

Analytical Method: Chloride by EPA 300

Seq Number: 3134516

Parent Sample Id: 669782-002

Matrix: Soil

MS Sample Id: 669782-002 S

Prep Method: E300P

Date Prep: 08.13.2020

MSD Sample Id: 669782-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	581	2490	3310	110	3310	110	90-110	0	20	mg/kg	08.13.2020 13:12	

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



Etech Environmental & Safety Solution, Inc

Dagger Lake Select Release

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134552

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.13.2020

MB Sample Id: 7709435-1-BLK

LCS Sample Id: 7709435-1-BKS

LCSD Sample Id: 7709435-1-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	919	92	924	92	70-130	1	20	mg/kg	08.13.2020 12:00	
Diesel Range Organics (DRO)	<50.0	1000	965	97	979	98	70-130	1	20	mg/kg	08.13.2020 12:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		111		111		70-130	%	08.13.2020 12:00
o-Terphenyl	119		109		104		70-130	%	08.13.2020 12:00

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134552

Matrix: Solid

Prep Method: SW8015P

Date Prep: 08.13.2020

MB Sample Id: 7709435-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.13.2020 11:38	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134552

Matrix: Soil

Prep Method: SW8015P

Date Prep: 08.13.2020

Parent Sample Id: 669791-001

MS Sample Id: 669791-001 S

MSD Sample Id: 669791-001 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	939	94	963	97	70-130	3	20	mg/kg	08.13.2020 13:04	
Diesel Range Organics (DRO)	<49.9	997	1030	103	1090	109	70-130	6	20	mg/kg	08.13.2020 13:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		120		70-130	%	08.13.2020 13:04
o-Terphenyl	101		108		70-130	%	08.13.2020 13:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134566

Matrix: Solid

Prep Method: SW5035A

Date Prep: 08.14.2020

MB Sample Id: 7709470-1-BLK

LCS Sample Id: 7709470-1-BKS

LCSD Sample Id: 7709470-1-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	0.109	109	0.104	104	70-130	5	35	mg/kg	08.14.2020 07:57	
Toluene	<0.00200	0.100	0.116	116	0.111	111	70-130	4	35	mg/kg	08.14.2020 07:57	
Ethylbenzene	<0.00200	0.100	0.0974	97	0.0927	93	70-130	5	35	mg/kg	08.14.2020 07:57	
m,p-Xylenes	<0.00400	0.200	0.195	98	0.185	93	70-130	5	35	mg/kg	08.14.2020 07:57	
o-Xylene	<0.00200	0.100	0.0977	98	0.0928	93	70-130	5	35	mg/kg	08.14.2020 07:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		102		100		70-130	%	08.14.2020 07:57
4-Bromofluorobenzene	103		102		98		70-130	%	08.14.2020 07:57

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



Etech Environmental & Safety Solution, Inc

Dagger Lake Select Release

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

Matrix: Solid

Prep Method: SW5035A

Date Prep: 08.14.2020

MB Sample Id: 7709515-1-BLK

LCS Sample Id: 7709515-1-BKS

LCSD Sample Id: 7709515-1-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	0.102	102	0.106	106	70-130	4	35	mg/kg	08.14.2020 08:04	
Toluene	<0.00200	0.100	0.0960	96	0.100	100	70-130	4	35	mg/kg	08.14.2020 08:04	
Ethylbenzene	<0.00200	0.100	0.0942	94	0.0984	98	70-130	4	35	mg/kg	08.14.2020 08:04	
m,p-Xylenes	<0.00400	0.200	0.187	94	0.195	98	70-130	4	35	mg/kg	08.14.2020 08:04	
o-Xylene	<0.00200	0.100	0.0939	94	0.0988	99	70-130	5	35	mg/kg	08.14.2020 08:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		100		101		70-130	%	08.14.2020 08:04
4-Bromofluorobenzene	103		103		103		70-130	%	08.14.2020 08:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134566

Matrix: Soil

Prep Method: SW5035A

Date Prep: 08.14.2020

Parent Sample Id: 669779-003

MS Sample Id: 669779-003 S

MSD Sample Id: 669779-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0973	98	0.0985	99	70-130	1	35	mg/kg	08.14.2020 08:38	
Toluene	0.00578	0.0992	0.106	101	0.109	103	70-130	3	35	mg/kg	08.14.2020 08:38	
Ethylbenzene	<0.00198	0.0992	0.0844	85	0.0871	87	70-130	3	35	mg/kg	08.14.2020 08:38	
m,p-Xylenes	<0.00397	0.198	0.168	85	0.173	87	70-130	3	35	mg/kg	08.14.2020 08:38	
o-Xylene	<0.00198	0.0992	0.0816	82	0.0857	86	70-130	5	35	mg/kg	08.14.2020 08:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		101		70-130	%	08.14.2020 08:38
4-Bromofluorobenzene	105		105		70-130	%	08.14.2020 08:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134669

Matrix: Soil

Prep Method: SW5035A

Date Prep: 08.14.2020

Parent Sample Id: 669700-011

MS Sample Id: 669700-011 S

MSD Sample Id: 669700-011 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	0.0930	93	0.0959	95	70-130	3	35	mg/kg	08.14.2020 08:44	
Toluene	<0.00200	0.100	0.0865	87	0.0893	88	70-130	3	35	mg/kg	08.14.2020 08:44	
Ethylbenzene	<0.00200	0.100	0.0838	84	0.0863	85	70-130	3	35	mg/kg	08.14.2020 08:44	
m,p-Xylenes	<0.00400	0.200	0.165	83	0.170	84	70-130	3	35	mg/kg	08.14.2020 08:44	
o-Xylene	<0.00200	0.100	0.0821	82	0.0848	84	70-130	3	35	mg/kg	08.14.2020 08:44	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		101		70-130	%	08.14.2020 08:44
4-Bromofluorobenzene	105		102		70-130	%	08.14.2020 08:44

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



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 394-5440, El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 782-7500, Carlsbad, NM (505) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 820-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6707
Atlanta, GA (770) 449-8800

Work Order No.

1209770

Project Manager:	Joel Lowry	Bill to: (if different)	Targa C/O Raul Gibson
Company Name:	Etech Environmental and Safety	Company Name:	
Address:	3100 Plains Hwy	Address:	
City, State ZIP:	Livingston, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email:	Email Results to: PM@etechny.com + Client

Work Order Comments

Program: UST/PST ☐ PRF ☐ Brownfield ☐ RR ☐ Superfund ☐

State of Project:

Reporting Level: ☐ Level ☐ PST/US ☐ TRF ☐ Level ☐

Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:	Dagger Lake Select Release		Turn Around
Project Number:	12840		Routine: <input checked="" type="checkbox"/>
Project Location	Lea County, NM		Rush: <input type="checkbox"/>
Sampler's Name:	Matthew Grieco		Due Date:
PO #:			

SAMPLE RECEIPT			
Temperature ("C):	Temp Blank:	Yes <input checked="" type="checkbox"/> No	Wet Ice: Yes <input checked="" type="checkbox"/> No
Received intact:	6.4/6.4	Thermopiles ID	26
Cooler Custody Seals:	Yes No	Correction Factor:	6.4
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST										Preservative Codes
										HNO ₃ : HN
										H ₂ SO ₄ : H2
										HCl: HL
										None: NO
										NaOH: Na
										MeOH: Me
										Zn Acetate+ NaOH: Zn
TAT starts the day received by the lab, if received by 4:30pm										

[illegible]

Total	200.7 / 6010	200.8 / 6020:	BRORA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed			TCLP / SPLP	6010: BRORA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U													
<p>Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$16.00 will be applied to each sample and a charge of \$8 for each sample submitted to Xenco but not analyzed. These terms will be enforced unless previously negotiated.</p>																																	
1631 / 245.1 / 7470 / 7471 : Hg																																	

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8-1-10/3:27	<i>[Signature]</i>	<i>[Signature]</i>	8-1-10

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I

Date/ Time Received: 08.12.2020 11.20.00 AM

Work Order #: 669779

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.2
#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

BTEX was in bulk container

* 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: 08.12.2020

Checklist reviewed by:



Jessica Kramer

Date: 08.12.2020

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	NRM1926647540
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)
Please reference Closure Documentation that has been prepared for NDHR1917956574 for additional information
- ☒ 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: Chris Price Title: Area Manager

Signature:  Date: 9-4-20

email: CPrice@targaresources.com Telephone: 575-602-6005

OCD Only

Received by: Robert Hamlet Date: 1/25/2021

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

Closure Approved by: Robert Hamlet Date: 1/25/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

From: [Hamlet, Robert, EMNRD](#)
To: ["Austin, Joseph T."](#)
Cc: [Bratcher, Mike, EMNRD](#); [Eads, Cristina, EMNRD](#); ["spills@slo.state.nm.us"](mailto:spills@slo.state.nm.us)
Subject: Closure Approval - Targa - Dagger Lake Select Release - (Incident #NRM1926647540)
Date: Monday, January 25, 2021 3:28:00 PM
Attachments: [Closure Approval - Targa - Dagger Lake Select Release - \(NRM1926647540\).pdf](#)

Joseph,

We have received your closure report and final C-141 for **Incident #NRM1926647540 Dagger Lake Select Release**, thank you. This closure is approved.

Please let me know if you have any further questions.

Regards,

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
505.748.1283 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



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 10183

CONDITIONS OF APPROVAL

Operator: TARGA MIDSTREAM SERVICES LLC Ste 4300 Houston, TX77002		1000 Louisiana	OGRID: 24650	Action Number: 10183	Action Type: C-141
OCD Reviewer	Condition				
rhamlet	We have received your closure report and final C-141 for Incident #NRM1926647540 Dagger Lake Select Release, thank you. This closure is approved.				