

September 13, 2019

Mr. Brad Billings
State of New Mexico Energy Minerals and Natural Resources Department
Oil Conservation Division (OCD) - District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

SUBJECT: Transmittal of Final Closure Request (1RP-2554)

Targa Midstream Services, L.P., Eunice Gas Plant SWD No. 1

Lea County, New Mexico

Dear Mr. Billings:

Targa Midstream Service LP (Targa) has prepared this Final Closure Report (1RP-2554) for the July 29, 2008 gas and produced liquids release from a separator dresser sleeve in the plant condensate handling area at Eunice Gas Plant SWD No. 1 in Lea County, New Mexico. Based on the February 20, 2019 meeting between Targa representatives and the OCD, Targa retained Ensolum to conduct an assessment of the historical release. This documentation is attached and a Final C141 has been prepared. Based on the assessment, closure of 1RP-2554 is requested.

Please do not hesitate to contact me at (713) 584-1396 if you have any questions regarding this submittal.

Sincerely,

Christina M. Higginbotham, P.G. (Texas)

Cht. M. Hisilan

Senior Environmental Specialist

Enclosures



September 11, 2019

Targa Resources Partners LP 811 Louisiana Street, Suite 2100 Houston, Texas 77002 Attn: Ms. Christina Higginbotham, P.G.

Re: 1RP-2554 Eunice Gas Plant SWD No. 001

Targa Midstream Services LLC

32.421161 -103.146611, Section 3, Township 21S, Range 37E

Ensolum Project No. 01C1136021

Ms. Higginbotham:

Per your request, this letter provides a summary of the scope, investigation activities and results for the project referred to as 1RP-2554 Eunice Gas Plant SWD No. 001, referred to hereinafter as the "Site". Targa Resource Partners LP (Targa) requested Ensolum, LLC (Ensolum) to conduct an assessment of a historical release south of the Targa Eunice Gas Plant.

Background

In July 2008, during pigging operations, a pig pushed the maximum amount of liquid into a separator and caused overpressure. The dump line was over-pressured and the dresser sleeve on the line separated. The liquid was contained in secondary containment. A vacuum truck removed the liquid, the line was shut in and the dresser sleeve repaired. Based on the New Mexico Oil Conservation Division (NMOCD) Initial C-141 (Attachment A), a track hoe was utilized to removed impacted soil, which was transported to an NMOCD landfarm.

The Initial C-141 was the only historical information that could be located for the release.

Setting

The Site is located in Lea County, on the eastern side of the city of Eunice, New Mexico, specifically at the coordinates 32.421161 -103.146611. The former location of the separator is just south of the Targa Eunice Gas Plant. The Site and surrounding area are comprised of native rangeland with oil and gas pipelines and production facilities in the area. The location appeared to have been disturbed at some point in the past.

Site Activities

On June 19, 2019, Ensolum mobilized to the Site and a five (5) point surface soil composite sample was taken in the immediate vicinity of latitude 32.421161, longitude -103.146611. The composite soil sample was analyzed for benzene, toluene, ethylbenzene and xylene (BTEX) utilizing Environmental Protection Agency (EPA) Method SW-846 #8260, total petroleum hydrocarbon (TPH) gasoline range organics (GRO), diesel range organics (DRO), and motor oil/lube oil range organics (MRO) using EPA SW-846 Method #8015, and chlorides using EPA Method #300.0

A Site Map (Figure 1) is provided in Attachment B with the soil composite locations. Photographic documentation is also provided as Attachment C.

The soil sample was collected in laboratory supplied glass containers, immediately cooled to approximately

 4° C, transported under proper chain-of-custody procedures and documentation and submitted to Xenco laboratory in Midland, Texas.

Laboratory results indicated concentrations of BTEX, TPH and Chlorides were below NMOCD Guidelines.

A summary of soil analytical results is provided in Table 1 – Soil Sample Analytical Results in Attachment D. Laboratory analytical reports are provided as Attachment E.

Based on the completed on-Site assessment and historical information, Ensolum recommends that no further assessment or remediation is warranted and that the attached Final C-141 be submitted to the NMOCD.

If you have any questions about this letter or require anything further, please feel free to contact the undersigned at (972) 364-7643.

Sincerely,

Ensolum, LLC

Clizabeth Scaggs
Elizabeth Scaggs, P.G.

Principal Geoscientist

972.467.0838

lscaggs@ensolum.com

Attachments: Attachment A: Initial and Final C-141's

Attachment B: Figure 1- Site Map

Attachment C: Photographic Documentation

Attachment D: Summary Soil Sample Analytical Results

Attachment E: Laboratory Report and Chain of Custody Documentation



ATTACHMENT A

Initial and Final C-141's

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

1RP-2554

			Rele	ease Notific	eation	and Co	rrective A	ction	ı			
						OPERA'	FOR		Initia	l Report	\boxtimes	Final Report
		arga Midstre				Contact: Cir		10				
		e Gas Plant S		Houston, TX 77			No. 575-631-709 be: Former Sepa	-	Area			
			7112 110			ruomity ryp	e. Tomer bepa	rator r		20 025 2	1407 (00.00
Surface Ow	ner: Targa	a Resources		Mineral C	25 25 2				API No.	30-025-2	149/-(00-00
				O many latter to the		N OF RE		0.00				
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/	West Line		Coun	
	3	21S	37E	B 4000000000000000000000000000000000000	985						Lea	
			Latitu	de 32° 25' 16"			gitude 103° 08	' 47" \	W			
Type of Rele	ase: Gas an	d Produced Li	anids	NAI	UKE	Volume of	Release: 20 Barr	els	Volume R	ecovered: 2	0 Barr	els
(LTIE						75527 5057 5367 536						3099
		ser sleeve sepa sate handling		dump line from		Date and H 12:00 AM	lour of Occurrence 7/29/2008	e:		Hour of Dis 7/29/2008	covery	1
Was Immedia	ata Natios (Sirran?				If YES, To	W/hom?					
was illilledis	ate Notice (Yes	No Not Re	equired	10.00	son OCD in Hobb	s by Ph	none			
By Whom?	Don Embre	ey				Date and H	Iour: 11:30 AM 7	//29/200	08			
Was a Water		ched?	Yes 🗵	l No		If YES, Vo	lume Impacting t	he Wate	ercourse.		COMP	
If a Watercon	irse was Im	pacted, Descri			-							
		partial partial										
Pig pushed m	naximum an containmer	em and Remed nount of liquid at around separ	l into sepa	rator and caused	overpres p excava	ssure of dump ation. Vac tru	line and dresser s ck was utilized to	sleeve o	on the line se r liquids. Li	eparated. Li ne was shut	quid w -in and	as contained dresser
Liquid was o	contained in	and Cleanup A secondary con nated soil was	ntainment	and within the cl	ean up e in OCD	excavation. To approved land	rack hoe utilized to	o removas sam	ve contamin pled to confi	ated soil fro	om the to OC	bottom of the D
regulations a public health should their or or the environ	Il operators or the envi- operations had not a like the contractions of the contractio	are required to ronment. The lave failed to a	acceptant acceptant adequately CD accep	nd/or file certain r ce of a C-141 report investigate and r	release nort by the remediate	e NMOCD m e contaminati	knowledge and used perform correct arked as "Final Roon that pose a thrue the operator of rectal three the operator of rectal three	tive act eport" of eat to g	tions for rele does not relie round water	eases which eve the ope , surface wa	may en rator of ater, hu	ndanger f liability man health
							OIL CONS	SERV	ATION	DIVISIO	<u>NC</u>	
Signature:		0.00				Approved by	0,0	K	Br	adfor	d E	Billings
Printed Name	e: Cindy Kl	ein				r.r.	mag			-		
Title: Sr. Env	vironmental	Specialist				Approval Da	te: 02/24/202	0	Expiration I	Date:		
E-mail Addre	ess: cklein@	targaresource	es.com		_	Conditions of	f Approval:			Attached		
Date:		Phone 575-63	1-7093			e-outle se so						

^{*} Attach Additional Sheets If Necessary

District 1 1025 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenus, Artesia, NM 88210 District III 1000 Rio Brozos Road, Aziec, NM 87410 District IN, 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003 ubmit 2 Coples to appropriate

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

Release Notification and Corrective Action

In the second se	OPERATOR	E Init	inl Report 🔲 Final Report
Name of Company: Targa Midstream Services L.P.	Contact: James I.	ingnau 505.394,2534.	Chuck Tolsma 505.031.0020
Address: PO Box 1909 Eunice, NM 88231	Telephone No. (:	505) 394-2534	M
Facility Name: Eunice Gas Plant	Pacifity Type		
Surface Owner: TARGA RESOURCES Mineral C	Owner:		Lense No.
LOCA	TION OF RELEAS	F ADI # 30'00	25.21497-00.00
Unit Letter Section Township Range Feet from the	The same of the sa	from the Bast/We	si Line County
3 218 378			Len
Latitude 32,25	6.9N Longitude 103.	.08.47.8W	1,54
Wildlife Co.	RE OF RELEASE		
Type of Release: Gus and Produced Liquids	Volume of Relea	THE WATER BUT THE PARTY OF THE	Volume Recovered: Recovered
	Approximately 2	20 burrels of a	approximately 20 barrels of liquid.
Source of Release: Dresser Sleeve separated on dump line from Separator in plant condensate handling area.	Date and Hour o 12 Midnight 7/2	9/2008	Date and Hour of Discovery 2 Midnight 7/29/2008
Was Immediate Notice Given? Yes No Not Req	nired Larry Johnson O	om? OCD in Hobbs by phon	ic .
By Whom? Don Embrey		11:30 AM 7/29/2008	
Was a Watercourse Reached?		Impacting the Watere	ourse.
☐ Yes 🗷 No		•	COLUMBIA.
If a Watercourse was Impacted, Describe Pully,*			
Describe Cause of Problem and Remedial Action Taken, 9 Pig pushed maximum amount of liquid into separator and caused contained in containment around separator and clean up excavatto sleeve repaired.	overpressure of dump line a n. Drip truck was called or	and dresser sleeve on l ut and liquid recovered	line separated. Liquid was d. Line was shut in and dresser
Describe Area Affected and Cleanup Action Taken,*			
The liquid was contained in containment and clean up excavation	. Track hoe brought in to r	remove contaminated;	soll in bottom of exervation. The
contominated soll will be taken to an OCD approved landfarm. The			923.0
Thereby certify that the information given above is true and compregulations all operators are required to report and/or file certain republic health or the environment. The acceptance of a C+141 republic health or the environment. The acceptance of a C+141 republishing should their operations have failed to adequately investigate human health or the environment. In addition, NMOCD acceptance, with any other perforal, state, or local laws and/or regulations.	elease notifications and per ort by the NMOCD marked ite and remediate contamin	rform corrective action as "Final Report" doe action that nose a three	as for releases which may endanger is not relieve the operator of
Signature: Ala Embra	OIL	_CONSERVAT	ION DIVISION
Printed Name: Don Embrey	Approved by Distrit	ENGINEER:	wisher july
little: Advisor	Approval Date; o	608/10 17	piration Date: 08/09/10
The state of the s			
E-mail Address; dembrey@targaresources.com	Conditions of Appr	oval: SUBMIT FILL	A) - -
Wal-Mar Fall Mary Company of the Com	Conditions of Appr C-141 134 of	roval: SUBMIT FINA 8 09 10	AL Annehed [] 1RP-10.6.2554



ATTACHMENT B

Site Map



ENSOLUM

Environmental & Hydrogeologic Consultants

SITE MAP

TARGA MIDSTREAM SERVICES LP EUNICE GAS PLANT SWD NO. 001, 1RP-2554 Eunice, Lea County, New Mexico 32.421161° N, 103.146611° W

PROJECT NUMBER: 01C1136021

FIGURE

1



ATTACHMENT C

Photographic Documentation



Looking north at area of interest. The disturbed area is to the left and toward the south from the black plastic.



Looking northeast at area of interest.



Looking east just south of the area of interest.



Looking north from south of the area of interest.



Looking east, note monitoring well east of the area of interest.



Looking south from the area of interest.



ATTACHMENT D

Table



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Targa Midstream Services, LLC - 1RP-2554 Eunice Gas Plant Lea County, New Mexico

Ensolum Project No. 01C1136021

10 NE NE NE 50 NE NE 100 600	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
	10	NE	NE	NE	50	NE	NE	NE	100	600
	0.000192	<0.000129	<0.0000953	<0.000229	<0.0000953	<7.97	11.1 J	<8.10	11.1 J	<0.585

ation limit and above the detection limit.



ATTACHMENT E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Analytical Report 628483

for Ensolum

Project Manager: Liz Scaggs
NMOCD Compliance
01C1136021
26-JUN-19

Collected By: Client





1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2017-142)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)



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26-JUN-19

Project Manager: Liz Scaggs Ensolum 2351 W Northwest Highway Suite 1203 Dallas, TX 75220

Reference: XENCO Report No(s): 628483

NMOCD Compliance Project Address: IRP-2254

Liz Scaggs:

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) 628483. 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. 628483 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,

Kalei Stout

Midland Laboratory Director

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 628483



Ensolum, Dallas, TX

NMOCD Compliance

Sample Id

1RP-2554CS

Matrix

Date Collected

Sample Depth

Lab Sample Id 628483-001

S 06-19-19 09:40

0 - 6 In



CASE NARRATIVE

Client Name: Ensolum

Project Name: NMOCD Compliance

Project ID:

01C1136021

Work Order Number(s): 628483

Report Date:

26-JUN-19

Date Received: 06/20/2019

This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory.

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3093520 Chloride by EPA 300

Lab Sample ID 628483-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 628483-001.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.





Ensolum, Dallas, TX

NMOCD Compliance

Sample Id:

1RP-2554CS

Matrix:

Soil

Sample Depth: 0 - 6 In

Lab Sample Id: 628483-001

Date Collected: 06.19.19 09.40

Date Received: 06.20.19 11.53

Analytical Method: Chloride by EPA 300

CHE

% Moist:

Prep Method: E300P

Analyst:

Tech:

CHE

Seq Number: 3093520

Date Prep: 06.25.19 13.30

Prep seq: 7680688

CAS Parameter Analysis Dil Factor Result MQL SDL Number Units Date Chloride 16887-00-6 < 0.858 5.00 0.858 mg/kg 06.25.19 20:20

Analytical Method: TPH by SW8015 Mod

Analyst:

ARM

% Moist:

Prep Method:

1005

Seq Number: 3093578

Tech:

ARM

Date Prep: 06.25.19 12.00

CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Facto
PHC610	<7.97	14.9	7.97	mø/kø	06 25 19 20:17	II	1
C10C28DRO	11.1	14.9	8.10		AND AND ADDRESS OF THE AND ADDRESS OF A	I	1
PHCG2835	<8.10	14.9	8.10			U	1
PHC635	11.1		7.97	mg/kg	06.25.19 20:17	J	
	% Recovery		Limits	Uni	its Analysis	Date	Flag
	87		70 - 13		1034.7. ±577777777 4 -75 7 76	2011	, ing
	77		- M. T. T. T.				
	Number PHC610 C10C28DRO PHCG2835	CAS Number Result PHC610 <7.97 C10C28DRO 11.1 PHCG2835 <8.10 PHC635 11.1 % Recovery 87	CAS Number Result MQL PHC610 <7.97	CAS Number Result MQL SDL PHC610 <7.97	CAS Number Result MQL SDL Units PHC610 <7.97	CAS Number Result MQL SDL Units Analysis Date PHC610 <7.97	CAS Number Result MQL SDL Units Analysis Date Flag PHC610 <7.97





Ensolum, Dallas, TX

NMOCD Compliance

Sample Id:

1RP-2554CS

Lab Sample Id: 628483-001

Analytical Method: BTEX by SW 8260C Analyst:

HOP

Seq Number: 3093363

Subcontractor: SUB: T104704215-19-29

Matrix:

% Moist:

Soil

Sample Depth: 0 - 6 In

Date Collected: 06.19.19 09.40

Date Received: 06.20.19 11.53

Prep Method: 5035A

Tech:

HOP

Date Prep: 06.24.19 11.30

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Facto
Benzene	71-43-2	< 0.000192	0.000998	0.000192	mg/kg	06 24 10 15:04	YY.	
Toluene	108-88-3	< 0.000129	0.000998	0.000132	77	06.24.19 15:04	U	1
Ethylbenzene	100-41-4	< 0.0000953	0.000998	0.0000953	mg/kg	06.24.19 15:04	U	1
m,p-Xylenes	179601-23-1	< 0.000361	0.00200	0.000361	mg/kg	06.24.19 15:04	U	I
o-Xylene	95-47-6	< 0.000301	0.00200		mg/kg	06.24.19 15:04	U	1
Total Xylenes	1330-20-7		0.000998	0.000229	mg/kg	06.24.19 15:04	U	1
Total BTEX	1550-20-7	<0.000229		0.000229	mg/kg	06.24.19 15:04	U	
76888980.0 7716		<0.0000953		0.0000953	mg/kg	06.24.19 15:04	U	
Surrogate		% Recovery		Limits	Uni	ts Analysis	Date	Flag
Dibromofluoromethane		100		27 10			Date	riag
1,2-Dichloroethane-D4		113		74 - 12				
Toluene-D8				80 - 12	.B 200			
4-Bromofluorobenzene		96		73 - 13	32 %			
· signification		94		58 - 15	52 %			





Ensolum, Dallas, TX

NMOCD Compliance

Sample Id:

7680619-1-BLK

Matrix:

Solid

Sample Depth:

Lab Sample Id: 7680619-1-BLK

Date Collected:

Date Received:

Analyst:

Analytical Method: BTEX by SW 8260C

Prep Method: 5035A

HOP

% Moist:

Tech:

HOP

Seq Number: 3093363

Date Prep: 06.24.19 10.30

Subcontractor: SUB: T104704215-19-29

Prep seq: 7680619

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Benzene	71-43-2	< 0.000192	0.00100	0.000192	ma/ka	06 24 10 11:45	**	
Toluene	108-88-3	< 0.000129			mg/kg	06.24.19 11:45	U	1
Ethylbenzene			0.00100	0.000129	mg/kg	06.24.19 11:45	U	1
	100-41-4	< 0.0000955	0.00100	0.0000955	mg/kg	06.24.19 11:45	U	1
m,p-Xylenes	179601-23-1	< 0.000362	0.00200	0.000362	mg/kg	06.24.19 11:45	U	1
o-Xylene	95-47-6	< 0.000229	0.00100					1
Total Xylenes		A STANDARD AND THE WILL	0.00100	0.000229	mg/kg	06.24.19 11:45	U	1
The state of the s	1330-20-7	< 0.000229		0.000229	mg/kg	06.24.19 11:45	U	
Total BTEX		< 0.0000955		0.0000955	mg/kg	06.24.19 11:45	U	

Surrogate	% Recovery	Limits	Units	Analysis Date	Flag
Dibromofluoromethane	97	74 - 126	%		
1,2-Dichloroethane-D4	97	80 - 120	%		
Toluene-D8	99	73 - 132	%		
4-Bromofluorobenzene	91	58 - 152	%		

Sample Id:

7680688-1-BLK

Matrix:

Solid

Sample Depth:

Lab Sample Id: 7680688-1-BLK

Date Collected:

Date Received:

Analytical Method: Chloride by EPA 300

% Moist:

Prep Method: E300P

Analyst:

CHE

Tech:

CHE

Seq Number: 3093520

Date Prep: 06.25.19 13.30

Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Chloride	16887-00-6	< 0.858	5.00	0.858	mg/kg	06.25.19 18:43	U	1





Ensolum, Dallas, TX

NMOCD Compliance

Sample Id:

7680769-1-BLK

Matrix:

Solid

Sample Depth:

Lab Sample Id: 7680769-1-BLK

Date Collected:

Date Received:

Prep Method:

1005

Analyst:

Analytical Method: TPH by SW8015 Mod ARM

% Moist:

Tech:

ARM

Seq Number: 3093578

Date Prep: 06.25.19 12.00

		riop seq.	000,00					
Parameter	CAS Number	Result	MQL	SDL	Units	Analysis Date	Flag	Dil Factor
Gasoline Range Hydrocarbons (GRO)	PHC610	<8.00	15.0	8.00	mg/kg	06.25.19 14:15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<8.13	15.0	8.13	mg/kg	06.25.19 14:15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<8.13	15.0	8.13	mg/kg	06.25.19 14:15	U	i
Total TPH	PHC635	<8.00		8.00	mg/kg	06.25.19 14:15	U	- 2
Surrogate		% Recovery		Limits	Uni	ts Analysis	Data	E1
1-Chlorooctane		111					Date	Flag
o-Terphenyl		103		70 - 13				
주 형		103		70 - 13	5 %	1		



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.
- A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- 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.
- RPD exceeded lab control limits.
- The target analyte was positively identified below the quantitation limit and above the detection limit.
- Analyte was not detected.
- 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.
- 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.
- 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.

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



Form 2 - Surrogate Recoveries

Project Name: NMOCD Compliance

Work Orders: 628483, Lab Batch #: 3093363

Sample: 7680619-1-BKS / BKS

Matrix: Solid

Project ID: 01C1136021

Units: mg/kg Date Analyzed: 06/24/19 10:04 BTEX by SW 8260C

Analytes

SU	RROGATE R	RECOVERY	STUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
0.0495	0.0500	99	74-126	
0.0496	0.0500	99	80-120	
0.0466	0.0500	93	73-132	
0.0544	0.0500	109	58-152	

58-152

Lab Batch #: 3093363

4-Bromofluorobenzene

Dibromofluoromethane 1,2-Dichloroethane-D4

Toluene-D8

Sample: 7680619-1-BSD / BSD

Batch:

Batch:

Matrix: Solid

Units: mg/kg	Date Analyzed: 06/24/19 10:24	SU	RROGATE R	ECOVERY	STUDY	
	oy SW 8260C nalytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Dibromofluoromethane		0.0474	0.0500	95	74.126	
1,2-Dichloroethane-D4		5700071503	0.0500	93	74-126	
		0.0499	0.0500	100	80-120	
Toluene-D8		0.0483	0.0500	97	73-132	
4-Bromofluorobenzene		0.0540	0.0500	108	58-152	

Lab Batch #: 3093363

Sample: 628357-012 S / MS

Batch:

Matrix: Soil

Units: mg/kg	Date Analyzed: 06/24/19 10:45	SURROGATE RECOVERY STUDY							
	X by SW 8260C Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
Dibromofluoromethane		0.0529	0.0500	106	74-126				
1,2-Dichloroethane-D4		0.0521	0.0500						
Toluene-D8			0.0300	104	80-120				
		0.0468	0.0500	94	73-132				
4-Bromofluorobenzene		0.0531	0.0500	106	58-152				

Lab Batch #: 3093363

Sample: 7680619-1-BLK / BLK

Batch: 1

Matrix: Solid

Units: mg/kg	Date Analyzed: 06/24/19 11:45	SURROGATE RECOVERY STUDY							
BTE	X by SW 8260C Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
Dibromofluoromethane		0.0483	0.0500	97	74-126				
1,2-Dichloroethane-D4		0.0485		2.0	U. 152000000				
Toluene-D8		0.0463	0.0500	97	80-120				
A CAPACITATION OF THE STATE OF		0.0495	0.0500	99	73-132				
4-Bromofluorobenzene		0.0457	0.0500	91	58-152				

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: NMOCD Compliance

Work Orders: 628483,

Lab Batch #: 3093578

Sample: 7680769-1-BLK / BLK

Project ID: 01C1136021

Batch:

Matrix: Solid

Units: mg/kg Date Analyzed: 06/25/19 14:15	SURROGATE RECOVERY STUDY							
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane	111	100	8.8	50.105				
o-Terphenyl		100	111	70-135				
	51.4	50.0	103	70-135				

Lab Batch #: 3093578

Sample: 7680769-1-BKS/BKS

Batch:

Matrix: Solid

Units: mg/kg	Date Analyzed: 06/25/19 14:40	SURROGATE RECOVERY STUDY								
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1-Chlorooctane		93.4	100	93	70-135					
o-Terphenyl		46.3	50.0	93	70-135					

Lab Batch #: 3093578

Sample: 7680769-1-BSD / BSD

Batch: 1

Matrix: Solid

Units: mg/kg	Date Analyzed: 06/25/19 15:06	SURROGATE RECOVERY STUDY							
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		94.3	100	94	70-135				
o-Terphenyl		49.9	50.0	100	70-135				

Lab Batch #: 3093578

Sample: 628413-001 S / MS

Batch: 1

Matrix: Soil

22 Oct 2000	est to Nobel T	174411410011								
Units: mg/kg	Date Analyzed: 06/25/19 15:57	SU	RROGATE F	RECOVERY	STUDY					
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags				
1-Chlorooctane		93.2	99.9	93	70.125					
o-Terphenyl		51.2	50.0	(2/5)	70-135					
		31.2	30.0	102	70-135					

Lab Batch #: 3093578

Sample: 628413-001 SD / MSD

Batch:

Matrix: Soil

Units: mg/kg	Date Analyzed: 06/25/19 16:22	SURROGATE RECOVERY STUDY							
ТРН	by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
1-Chlorooctane		89.6	99.6	90	70-135				
o-Terphenyl		46.7	49.8	94	70-135				

^{*} Surrogate outside of Laboratory QC limits

Surrogate Recovery [D] = 100 * A / B

^{**} Surrogates outside limits; data and surrogates confirmed by reanalysis

^{***} Poor recoveries due to dilution

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries

Project Name: NMOCD Compliance

Work Order #: 628483

Analyst: HOP

Date Prepared: 06/24/2019

Project ID Date Analyzer

Lab Batch ID: 3093363

Sample: 7680619-1-BKS

Batch #: 1

Matri:

Units:

mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECO

							LICHIL	HECK
BTEX by SW 8260C Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPI
Benzene	< 0.000192	0.0500	0.0491	98	0.0500	0.0404		
Toluene	×0.000120			20	0.0300	0.0494	99	1
Ethylbenzene	<0.000129	0.0500	0.0499	100	0.0500	0.0527	105	5
Ethyloenzene	< 0.0000955	0.0500	0.0509	102	0.0500	0.0538	100	
m,p-Xylenes	< 0.000362	0.100	X50.00.000			0.0538	108	6
o-Xylene	<0.000362	0.100	0.100	100	0.100	0.108	108	8
0-Ayiciie	<0.000229	0.0500	0.0494	99	0.0500	0.0503	101	2

Analyst:

CHE

Lab Batch ID: 3093520

Sample: 7680688-1-BKS

Date Prepared: 06/25/2019

Date Analyzer

Units:

mg/kg

Batch #: 1

Matri

	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE REC									
Chloride by EPA 300 Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD		
Chloride	0.050	100000			\$ Co. 40	152245558 500 E	C=1			
SECTORIO IMPERIO	< 0.858	250	268	107	250	269	108	0		

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100*(C)/[B]Blank Spike Duplicate Recovery [G] = 100*(F)/[E]All results are based on MDL and Validated for QC Purposes

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Final 1.000



BS / BSD Recoveries

Project Name: NMOCD Compliance

Work Order #: 628483

Analyst:

ARM

Date Prepared: 06/25/2019

Project ID

Date Analyze

Units:

Lab Batch ID: 3093578 mg/kg

Sample: 7680769-1-BKS

Batch #: 1

Matri:

	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE REC									
TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD		
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	1000	100	-	130.550				
Diesel Range Organics (DRO)	(5,000)	1000	1090	109	1000	1060	106	3		
Dieser Range Organies (DRO)	<8.13	1000	1110	111	1000	1110	111	0		

Relative Percent Difference RPD = 200*|(C-F)/(C+F)|Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

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Final 1.000



Form 3 - MS Recoveries

Project Name: NMOCD Compliance



Work Order #: 628483

Lab Batch #:

3093363

Date Analyzed: 06/24/2019

QC- Sample ID: 628357-012 S

Project ID: 01C1136021

Date Prepared: 06/24/2019

Analyst: HOP

Batch #:

Matrix: Soil

Reporting Units: mg/kg	Daten #.		N	latrix:	Soil				
	MATRIX / MATRIX SPIKE RECOVERY STUDY								
BTEX by SW 8260C Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag			
Benzene	<0.000172	0.0447	0.0429	06	(2.122				
Toluene				96	62-132				
Ethylbenzene	< 0.000116	0.0447	0.0425	95	66-124				
2000 * 1140 1741 1741 1740 1744	< 0.0000854	0.0447	0.0434	97	71-134				
m,p-Xylenes	< 0.000323	0.0894	0.0864	97	69-128				
o-Xylene	<0.000205		100 000 000 000 000 000 000 000 000 000	2002	09-128				
	< 0.000205	0.0447	0.0433	97	72-131				

Matrix Spike Percent Recovery [D] = 100*(C-A)/B Relative Percent Difference [E] = 200*(C-A)/(C+B)All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Form 3 - MS / MSD Recoveries

Project Name: NMOCD Compliance

Work Order #:

628483

Lab Batch ID:

3093520

Date Analyzed:

06/25/2019

QC-Sample ID: 628481-001 S

Batch #:

Project ID: 01C11360 Matrix: Soil

Date Prepared: 06/25/2019

Analyst: CHE

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE DECOV

Analytes Result	Added	163	Sample	Spike			
Analytes [A]	[B]	[C]	%R [D]	Added [E]	Spiked Sample Result [F]	Dup. %R [G]	ı
Chloride 32.5	250	328	118	250	324	117	_

Lab Batch ID:

3093520

QC-Sample ID: 628483-001 S

Batch #:

Matrix: Soil

Date Analyzed:

06/25/2019

Date Prepared: 06/25/2019

Analyst: CHE

1

Reporting Units:

mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOV

Chloride by EPA 300	Parent Sample Spike Result Added [A] [B]		Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	F
Analytes			[C]	%R [D]	Added [E]	Result [F]	%R [G]	•
Chloride	<0.858	250	278	111	250	274	110	-

Lab Batch ID:

3093578

mg/kg

QC- Sample ID: 628413-001 S

Batch #:

Matrix: Soil

Date Analyzed: Reporting Units:

06/25/2019

Date Prepared: 06/25/2019

Analyst: ARM

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOV

Parent Sample	Spike	Result	Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	1
[A]	Added [B]	[C]	%R [D]	Added [E]	Result [F]	%R [G]	
<7.99	999	983	98	006	041		-
9.05	900	5/5/5/				387	<u></u>
	Sample Result [A]	Sample Result [A] Spike Added [B] <7.99 999	Sample Result Added [A] Spike Added [B] Result [C]	Sample Spike Result Sample Result [A] [B] Spiked Sample Spiked Result Sample %R [D]	Sample Spike Result Sample Spike Spike Sample Spike Sample Spike Added [C] %R [D] [E]	Sample Result Added [B] Spiked Sample Spiked Sample Spiked Sample Spiked Sample Result [C] %R Added [D] [E] Spiked Sample Result [F] Spiked Sample Added [E] Spiked Sample Spiked Sample Spiked Sample Result [F]	Sample Result Added B

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative Percent Difference RPD = 200*|(C-F)/(C+F)|

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable N = See Narrative, EQL = Estimated Quantitation Limit, NC = Non Calculable - Sample amount is > 4 times the amount spiked.

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Final 1.000



Company Name: Project Manager:

112 Scarpis

ENSOLVM

Company Name: Bill to: (if different

Chain of Custody

Work Order No: (0 28 18/6)

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

Fin-1 4 000

Work Order Comments

www.xenco.com

Page

of

Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasibad, NM (432) 704-5440 Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

		Who was	Refinquished by: (Signature)	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 \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco. But not analyzed. These trees will be seen the control of the	Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Notice: Signature of this document and relinquishment of samples constitutes a valid nurchase order for all the samples or the samples constitutes a valid nurchase order for all the samples or the samples	Total 200.7 / 6010 200.8 / 6020:		<i>"</i>			/ in the second	1 RD-256415	Sample Identification Matrix	Sample Custody Seals: Yes No N/A	Cooler Custody Seals: Yes No N/A	5	°0:(18)	SAMPLE RECEIPT Temp Blank:	PO# 0161136021	Sampler's Name: 12 Scales	Project Location RP- 2254	Project Number: 01C1136021	Project Name: NIMOCD COMD HANCE			
		2	Received by: (Signature)	d shall not assume any responsibility for any loss project and a charge of \$5 for each sample subm	ZED TCLP / SPLP 6010: 8RC		/	1			17-0 OPPO 121110		Date Time Depth	Total Containers:	Correction Factor:	8	\$	West for	Quote #:	Due Date:		Rou	Turn Around	Email:	1220 city,	
o	4 651	2	Date/Time Reling	it company to Xenco, its affiliates and subcontra- ses or expenses incurred by the client if such los itted to Xenco, but not analyzed. These terms will	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn						< < < < < < < < < < < < < < < < < < <	N	BT TP Lh(EH	X 8	8	32	11 60 60 300), ~	1)	To one	Pres:		Guages @ ensotum. com	City, State ZIP:	Address:
		R. (Signature)	unless previously negotiated.	ctors. It assigns standard terms and conditions sees are due to circumstances beyond the control	Pb Mn Mo Ni Se Ag TI U					2												ANAL TSIS REQUES!	GIG DEOIII		Reporting:L	State of
		Received by: (Signature)			K Se Ag SiO2 Na							San	re	TAT starts to	Zn Acetate	NaOH: Na	HCL: HL	H2S04: H2	HNO3: HN	None: NO	меон: ме	Pre		s: EDD ADaPT C	Reporting:Level III PST/JST TRBP Level III/	State of Project:
		Date/Time			s Sr Tl Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg							Sample Comments	received by 4:00pm	TAT starts the day recevied by the lab. if	Zn Acetate+ NaOH: Zn			.5	2		w	Preservative Codes		Other:		

Inter-Office Shipment

IOS Number: 41890

Date/Time: 06.20.2019 12:15

Created by:

Brianna Teel

Please send report to: Kalei Stout

Lab# From: Midland

Delivery Priority:

Address:

1211 W. Flori

Lab# To:

Houston

Air Bill No .:

775529738140

E-Mail:

kalei.stout@xt

Sample Id

Matrix Client Sample Id

Sample Collection

Method

Lab Due

628483-001

1RP-2554CS

06.19.2019 09:40 SW8260CBTEX

BTEX by SW 8260C

Method Name

06.26.2019

HT Due 07.03.2019

Inter Office Shipment or Sample Comments:

Relinquished By:

Date Relinquished:

06.20.2019

Received By:

Date Received:

06.21.2019

Cooler Temperature: 3.0



XENCO Laboratories

Inter Office Report- Sample Receipt Checklist



Sent To: Houston

IOS #: 41890

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Temperature Measuring device used: HOU-068

Sent By:	Brianna Teel	Date Sent:	06.20.2019 12.15 PM			
Received By:	Ashly Kowalski	Date Received:	06.21.2019 09.30 AM			
W1		Sample Red	eipt Checklist		C	omments
#1 *Temper						
#2 *Shipping	g container in good con	dition?		Yes		
#3 *Samples	received with appropr	iate temperature?		Yes		
#4 *Custody	Seals intact on shipping	g container/ cooler?		Yes		
#5 *Custody	Seals Signed and date	ed for Containers/coole	ers	Yes		
#6 *IOS pres				Yes		
	ing/extra samples?			No		
#8 IOS agree	es with sample label(s)	/matrix?		Yes		
#9 Sample m	natrix/ properties agree	with IOS?		Yes		
	in proper container/ be	ottle?		Yes		
	properly preserved?			Yes		
	container(s) intact?			Yes		
#13 Sufficien	t sample amount for inc	dicated test(s)?		Yes		
#14 All samp	les received within hold	time?		Yes		
* Must be com	pleted for after-hours	dolivoni of commis-	prior to placing in the			
	protoc for arter-flours	delivery of samples	prior to placing in the	refrigerat	or	
NonConforman	ice:					
Corrective Action	on Takon					
Contoure Acti	on raken.					
		Nonconform	ance Documentation			
Contact:		Contacted by :			Data	
					Date:	
С	hecklist reviewed by:	1 /				3

Date: 06.21.2019



XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Ensolum

Date/ Time Received: 06/20/2019 11:53:00 AM

Work Order #: 628483

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: R8

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

must be completed for after-nours of	lelivery of samples prior to plac	ing in the refrigerator									
Analyst:	PH Device/Lot#:										
Checklist completed by:	Bawa Tal Brianna Teel	Date: <u>06/20/2019</u>									
Checklist reviewed by:	Laen Start	Date: 06/23/2019									

Kalei Stout