### Bratcher, Mike, EMNRD

From:

Bob Asher [BobA@yatespetroleum.com]

Sent:

Monday, August 29, 2011 3:47 PM

To:

Bratcher, Mike, EMNRD

Cc: Subject: Jerry Fanning Foster AN Battery

Attachments:

Foster AN Battery (Chlorides).pdf; Foster AN Battery (TPH & BTEX).pdf

Mike,

Attached are sampling results at the captioned location for the 8/1/2011 release (Released: 90 B/PW; Recovered: 80 B/PW). I would like to request these results be accepted for closure.

If you have any questions, please call me.

Thank you.



**Robert Asher** 

Senior Environmental Regulatory Agent Yates Petroleum Corporation 575-748-4217 (Direct) 575-365-4021 (Cell) boba@yatespetroleum.com

## **Analytical Report 426061**

## for Yates Petroleum Corporation

Project Manager: Robert Asher
Foster AN Battery
30-015-26914
24-AUG-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



#### 12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002) Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054) New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610) Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046): Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALII), West Virginia (362), Kentucky (85) Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)
Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





24-AUG-11

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 426061

**Foster AN Battery** 

Project Address: Eddy County

#### Robert Asher:

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 426061. 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. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. 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. 426061 will be filed for 60 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,

**Brent Barron II** 

Odessa Laboratory Manager

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## Sample Cross Reference 426061



## Yates Petroleum Corporation, Artesia, NM

Foster AN Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	08-15-11 11:44		426061-001
Comp-01.0	S	08-15-11 11:55		426061-002

### CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Foster AN Battery



Project ID:

30-015-26914

Work Order Number: 426061

Report Date: 24-AUG-11 Date Received: 08/18/2011

Sample receipt non conformances and comments:

None

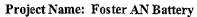
Sample receipt non conformances and comments per sample:

None



## Certificate of Analysis Summary 426061

### Yates Petroleum Corporation, Artesia, NM





Project Id: 30-015-26914 Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu Aug-18-11 09:20 am

Report Date: 24-AUG-11

							Project Manager:	Brent Barron II	
	Lab Id:	426061-0	01	426061-00	02				
Anglysia Pagy astad	Field Id:	Comp-00	1.5	Comp-01	.0				
Analysis Requested	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Aug-15-11 1	1:44	Aug-15-11 1	1:55				
Anions by E300	Extracted:					***			
	Analyzed:	Aug-21-11	3:40	Aug-21-11 1	3 40				
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		452	22.6	398	23.9				
Percent Moisture	Extracted:								
	Analyzed:	Aug-18-11 1	2:55	Aug-18-11 1	2.55				
	Units/RL:	%	RL	%	RL				
Percent Moisture		7.03	1.00	12.0	1.00				

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

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Odessa Laboratory Manager

Final 1.000



## 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 quantiation 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.
- 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

LOO Limit of Quantitation

**DL** Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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## <sup>3</sup>age 10 of 13

## **XENCO-Environmental Lab of Texas**

#### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager:	Robert Asher														-	Pro	ojec	t Na	me:	Fo	ste	er A	N	Ba	tte:	гу					
	Company Name	Yates Petroleum Corporati	ion													_		Pi	rojeć	1#:	30-	015	-26	91 <u>4</u>								
	Company Address:	105 South 4th Street															F	Proje	ect L	oc:	Edo	ly Co	ounty	,								
	City/State/Zip:	Artesia, NM 88210														_			P	) #: <sub>.</sub>	105	632		_								
	Telephone No:	575-748-4217				Fax No:		575	5-74	3-466	52			_		. 1	Repor	t Fo	rma	t:	×	Sta	ndaro	i	[		TRRI	P	Г	] NF	PDE:	s
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(lab use	only)	<del></del>																			TC	LP.	Ana	ilýze	Foi	<u></u> -	$\overline{\top}$	$\overline{T}$	$\overline{ au}$	$\overline{\top}$	-	}
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AB # (lab use only)	FIE	LD CODE	Beginning Depth	Ending Depth	Date Sampled	Тіте Sempled	Filtered	rotal # of Containers	lCe	HNO3	НО	H <sub>2</sub> SO <sub>4</sub>	NaOH Na:5:0	Nane	Other (Specify)		GV/ = Groundwater S=Soil/Soild NP=Non-Potable Spacity Other	TPH. 418.1 8015M 8015B	18	Cations (Ca, Mg. Na, K)	Anions (Cl, SO4, Alkalinty)	SAR / ESP / CEC	Metals, As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	NORM.	Cnlondes		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
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#### XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

## Prelogin / Nonconformance Report - Sample Log-In

Client: Yates	PAYOPIL	$\alpha$			•		
Date/Time: 3 18	3.11 9	. A	$\overline{\mathcal{O}}$				
	126015						
Initials:	08		·				
		S	Sample Receipt Che	cklist			
1. Samples on ice?				Blue	(Water)	No	
2. Shipping container in	good condition?			Yes	No	None	
		o= (o	nolos) and hottles?	Yes		N/A	
3. Custody seals intact of 4. Chain of Custody pres		Yes	No No	NIA			
5. Sample instructions of	_ <del></del>	Falls	tady?	Yes	No		
6. Any missing / extra sa		Yes	(No)				
7. Chain of custody sign		nd / s	ranivad?	(Yes)	No		
8. Chain of custody agre					(No)		
9. Container labels legib		ei(S)		Yes			
10. Sample matrix / prop		hala (	of austody?	Yes	No No		
11. Samples in proper co		iani (	or castody:	(Yes)	No .		
12. Samples properly pre				(Yes)	No	N/A	
13. Sample container int				Yes	No	100	
14. Sufficient sample am		toct/s	:12	(Yes)	No		<i></i> -
15. All samples received				Yes	No		
16. Subcontract of samp		oid a	me r			(NA)	· · · · · · · · · · · · · · · · · · ·
				Yes	No		
17. VOC sample have ze 18. Cooler 1 No.	Cooler 2 No.		Cooler 2 No		No	N/A Cooler 5 No.	<del></del>
lbs 2 4 °C		°C	Cooler 3 No.	°C lbs	°C	<del> </del>	°c
ibs a v c	ibs	٠.	lbs	°C lbs	<u></u>	İbs	
	1	lond	conformance Docur	nentation			
Contact:	Contact	ted b	y:		Date/Time:_		
Regarding:							
Regarding.							
Corrective Action Taken							
Check all that apply:	condition ac	cept	egun shortly after sampl able by NELAC 5.5.8.3.1. perature confirm out of	a.1.		rature	

☐ Client understands and would like to proceed with analysis

## **Analytical Report 426015**

Yates Petroleum Corporation

Project Manager: Robert Asher
Foster AN Battery
30-015-26914
24-AUG-11

Collected By: Client



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Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)





24-AUG-11

Project Manager: Robert Asher Yates Petroleum Corporation 105 South Fourth St. Artesia, NM 88210

Reference: XENCO Report No: 426015

**Foster AN Battery** 

Project Address: Eddy County.

#### Robert Asher:

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 426015. 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. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. 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.

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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,

**Brent Barron II** 

Odessa Laboratory Manager

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## **Sample Cross Reference 426015**



## Yates Petroleum Corporation, Artesia, NM

Foster AN Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Comp-00.5	S	08-15-11 11:44		426015-001
Comp-01.0	S	08-15-11 11:55		426015-002

#### CASE NARRATIVE



Client Name: Yates Petroleum Corporation

Project Name: Foster AN Battery



Project ID:

30-015-26914

Work Order Number: 426015

Report Date: 24-AUG-11 Date Received: 08/18/2011

Sample receipt non conformances and comments:

None

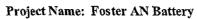
Sample receipt non conformances and comments per sample:

None



## Certificate of Analysis Summary 426015

#### Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-26914 Contact: Robert Asher

Project Location: Eddy County

Date Received in Lab: Thu Aug-18-11 09:20 am

Report Date: 24-AUG-11

				Project Manager: Brent Barron II	
	Lab Id:	426015-001	426015-002		
Analusia Paguagtad	Field Id:	Comp-00.5	Comp-01.0		
Analysis Requested	Depth:			·	
	Matrix:	SOIL	SOIL		
	Sampled:	Aug-15-11 11:44	Aug-15-11 11:55		
BTEX by EPA 8021B	Extracted:	Aug-23-11 11:00	Aug-23-11 11:00		
	Analyzed:	Aug-23-11 17:02	Aug-23-11 17:25		
	Units/RL:	mg/kg RL	mg/kg RL		
Benzene		ND 0.00106	ND 0.00114		
Toluene		ND 0.00213	ND 0.00227		
Ethylbenzene		ND 0.00106	ND 0.00114		
m_p-Xylenes		ND 0.00213	ND 0.00227		
o-Xylene		ND 0.00106	0.00116 0.00114		
Total Xylenes		ND 0.00106	0.00116 0.00114		
Total BTEX		ND 0 00106	0.00116 0.00114		
Percent Moisture	Extracted:				
	Analyzed:	Aug-18-11 12:55	Aug-18-11 12:55		
	Units/RL:	% RL	% RL		
Percent Moisture		7.03 1.00	12.0 1.00		
TPH By SW8015B Mod	Extracted:	Aug-23-11 08:15	Aug-23-11 08 15		
	Analyzed:	Aug-23-11 12.27	Aug-23-11 12:56		
	Units/RL:	mg/kg RL	mg/kg RL		
C6-C10 Gasoline Range Hydrocarbons		ND 16.1	ND 17.0		
C10-C28 Diesel Range Hydrocarbons		ND 16.1	81.7 17.0		
Total TPH		ND 16.1	81.7 17.0		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing

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Odessa Laboratory Manager

Final 1.000

Page 5 of 16



## 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 quantiation 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.
- 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

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5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
6017 Financial Drive, Norcross, GA 30071	(770) 449-8800	(770) 449-5477
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# Page 13 of 16

## **XENCO-Environmental Lab of Texas**

#### CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East Odessa, Texas 79765 Phone: 432-563-1800 Fax: 432-563-1713

	Project Manager:	Robert Asher														Project Name: Foster AN Battery																
	Company Name	Yates Petroleum Corporat	ion			<del></del>												P	rojec	:1 #:	30-	<u>-015</u>	5 <b>-</b> 26	914	4							
	Company Address:	105 South 4th Street														_	F	roj	ect L	oc:	Edd	ty Co	ounty	<u>y</u>								
	City/State/Zip:	Artesia, NM 88210														_			P	O #:	105	5632										
	Telephone No:	575-748-4217			٠′	Fax No:		575	5-74	8-466	62						Repor	t Fa	rma	t:	×	Star	ndar	d	ļ		TRE	₹P	Ī	<b>□</b> ^	NPDE	S
	Sampler Signature:	DerCo				e-mail:			_b	oba(	@у	ates	petro	oleu	ım.c	om		_														_
(lab use	only)	<del></del>																-			TC	CLP.	Ana	alyzo	e Fo	<u>π:</u>	$\overline{}$		$\overline{}$	_	$\exists$	1
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AB # (lab use only)	FIEI	LD CODE	Beginning Depth	Ending Depth	Date Sampled	Пте Sampled	Field Filtered	Total # of Containers	lce	HNO <sub>3</sub>	五	H2SO.	NaOH	NB <sub>2</sub> S <sub>2</sub> U <sub>3</sub>	None Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=SolVSold NP=Nrn Potable Specify Other	TPH: 4181 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalirity)		As Ag Ba Cd Cr Pb Hg	Volatiles	-	BTEX 8021B/5030 or BTEX 8280	RCI	NO.R.M.	Chlorides		RUSH TAT (Pre-Schedule) 24, 4	Standard TAT
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#### XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date. No. 01, 5/27/2010

Effective Date: 6/1/2010

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Prelogin /	Nonconformance	Report -	Sample	Log-In
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Client: Yates	Petroleun	n	_	•	•	,		
Date/Time:	18.11 9.	ac	)					
Lab ID#:	426015							
Initials:	96							
		Sa	mple Receipt C	heck	list			
1. Samples on ice?					Blue	(Water)	No	
2. Shipping container	in good condition?				(Yes)	No	None	
3. Custody seals intac	t on shipping containe	(Yes	No	N/A				
4. Chain of Custody p	resent?	Yes	No					
5. Sample instructions	complete on chain of	(Yes)	No					
6. Any missing / extra	samples?				Yes	(No)		
7. Chain of custody si	gned when relinquishe	d / re	ceived?		(Yes)	No		
8. Chain of custody ag	rees with sample label	l(s)?			Yes	(Ño)		
9. Container labels leg	jible and intact?				(Yes)	No		
10. Sample matrix / pr	operties agree with cha	ain of	custody?		Yes	No		
11. Samples in proper	container / bottle?				(Yes)	No		
12. Samples properly	preserved?				(Yes)	No	N/A	
13. Sample container	intact?				(Yes)	No		
14. Sufficient sample	amount for indicated te	est(s)	?		(yes)	No		
15. All samples receiv	ed within sufficient hol	ld tim	e?		Yes	No		
16. Subcontract of sar	nple(s)?				Yes	No	(N/A)	
17. VOC sample have	zero head space?	r-			(Yes)	No	N/A	
18. Cooler 1 No.	Cooler 2 No.		Cooler 3 No.		Cooler 4 No		Cooler 5 No.	
lbs 2 (e	°C lbs	°c	lbs	<u>°c</u>	lbs	°C	Ibs	٥(
	Ne	onco	onformance Do	cume	ntation			
Contact: _	Contacte	ed by:			1	Date/Time:_		
Regarding:			<del></del>					
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Corrective Action Tak	en:							
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Check all that apply:	□Cooling process ha					ut of temper	ature	
	condition acc □Initial and Backup T		ole by NELAC 5.5.8			ditions		
	□ Client understands							