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LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN035	New Jersey*	IN598
Colorado Radiochemistry	IN035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon (Primary AB)*	4074-001
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187-15-8
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA180008	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

Revision date: 01/02/2018

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NELAC NARRATIVE PAGE

Client: Antea Group Report #: 414267NP

Eurofins Eaton Analytical, Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAC standards, unless otherwise noted.

EEA contact person: James Van Fleit

NELAP requires complete reporting of deviations from method requirements, regardless of the suspected impact on the data. Quality control failures not reported within the report summary are noted here.

Method 2540 C

Note: The laboratory duplicate associated with sample site Main Shop Breakroom-DS02 had a RPD value of 6%, which is greater than the laboratory in-house RPD limit of 5%.

There were no quality control failures.

05/04/2018

Authorized Signature Title Date

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110 South Hill Street
South Bend, IN 46617
Tel: (574) 233-4777
Fax: (574) 233-8207
1 800 332 4345

Laboratory Report

Client: Antea Group

Attn: Eric Muehlberger
9009 Mountain Ridge Drive
Suite 110
Austin, TX 78759

Report: 414267
Priority: Standard Written
Status: Final
PWS ID: TX1170005

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3916243	Plains Station-PBCU001	300.0	04/18/18 11:15	Client	04/20/18 08:45
3916243	Plains Station-PBCU001	2320 B	04/18/18 11:15	Client	04/20/18 08:45
3916243	Plains Station-PBCU001	2510 B	04/18/18 11:15	Client	04/20/18 08:45
3916243	Plains Station-PBCU001	2540 C	04/18/18 11:15	Client	04/20/18 08:45
3916249	Plains Station-PBCU001	200.8	04/18/18 11:15	Client	04/20/18 08:45
3916249	Plains Station-PBCU001	2340 B	04/18/18 11:15	Client	04/20/18 08:45
3916249	Plains Station-PBCU001	200.7	04/18/18 11:15	Client	04/20/18 08:45
3916244	Herring Station-PBCU002	300.0	04/18/18 13:07	Client	04/20/18 08:45
3916244	Herring Station-PBCU002	2320 B	04/18/18 13:07	Client	04/20/18 08:45
3916244	Herring Station-PBCU002	2510 B	04/18/18 13:07	Client	04/20/18 08:45
3916244	Herring Station-PBCU002	2540 C	04/18/18 13:07	Client	04/20/18 08:45
3916250	Herring Station-PBCU002	200.8	04/18/18 13:07	Client	04/20/18 08:45
3916250	Herring Station-PBCU002	2340 B	04/18/18 13:07	Client	04/20/18 08:45
3916250	Herring Station-PBCU002	200.7	04/18/18 13:07	Client	04/20/18 08:45
3916245	Kay Station-PBCU003	300.0	04/18/18 13:20	Client	04/20/18 08:45
3916245	Kay Station-PBCU003	2320 B	04/18/18 13:20	Client	04/20/18 08:45
3916245	Kay Station-PBCU003	2510 B	04/18/18 13:20	Client	04/20/18 08:45
3916245	Kay Station-PBCU003	2540 C	04/18/18 13:20	Client	04/20/18 08:45
3916251	Kay Station-PBCU003	200.8	04/18/18 13:20	Client	04/20/18 08:45
3916251	Kay Station-PBCU003	2340 B	04/18/18 13:20	Client	04/20/18 08:45
3916251	Kay Station-PBCU003	200.7	04/18/18 13:20	Client	04/20/18 08:45
3916246	Borger Water Take Pt-PBCU004	300.0	04/18/18 12:45	Client	04/20/18 08:45
3916246	Borger Water Take Pt-PBCU004	2320 B	04/18/18 12:45	Client	04/20/18 08:45
3916246	Borger Water Take Pt-PBCU004	2510 B	04/18/18 12:45	Client	04/20/18 08:45
3916246	Borger Water Take Pt-PBCU004	2540 C	04/18/18 12:45	Client	04/20/18 08:45
3916252	Borger Water Take Pt-PBCU004	200.8	04/18/18 12:45	Client	04/20/18 08:45
3916252	Borger Water Take Pt-PBCU004	2340 B	04/18/18 12:45	Client	04/20/18 08:45
3916252	Borger Water Take Pt-PBCU004	200.7	04/18/18 12:45	Client	04/20/18 08:45
3916247	Tech Center Lower-DS01	300.0	04/18/18 10:05	Client	04/20/18 08:45
3916247	Tech Center Lower-DS01	2320 B	04/18/18 10:05	Client	04/20/18 08:45
3916247	Tech Center Lower-DS01	2510 B	04/18/18 10:05	Client	04/20/18 08:45

3916247	Tech Center Lower-DS01	2540 C	04/18/18 10:05	Client	04/20/18 08:45
3916253	Tech Center Lower-DS01	200.8	04/18/18 10:05	Client	04/20/18 08:45
3916253	Tech Center Lower-DS01	2340 B	04/18/18 10:05	Client	04/20/18 08:45
3916253	Tech Center Lower-DS01	200.7	04/18/18 10:05	Client	04/20/18 08:45
3916248	Main Shop Breakroom-DS02	300.0	04/18/18 10:15	Client	04/20/18 08:45
3916248	Main Shop Breakroom-DS02	2320 B	04/18/18 10:15	Client	04/20/18 08:45
3916248	Main Shop Breakroom-DS02	2510 B	04/18/18 10:15	Client	04/20/18 08:45
3916248	Main Shop Breakroom-DS02	2540 C	04/18/18 10:15	Client	04/20/18 08:45
3916254	Main Shop Breakroom-DS02	200.8	04/18/18 10:15	Client	04/20/18 08:45
3916254	Main Shop Breakroom-DS02	2340 B	04/18/18 10:15	Client	04/20/18 08:45
3916254	Main Shop Breakroom-DS02	200.7	04/18/18 10:15	Client	04/20/18 08:45

Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call James Van Fleit at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

Jim Van Fleit ASM

05/04/2018

Authorized Signature Title Date

Client Name: Antea Group
Report #: 414267

Client Name: Antea Group Report #: 414267

Sampling Point: Plains Station-PBCU001 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**170**	mg/L as CaCO3	---	04/22/18 14:29	3916243
---	Hardness, Total $	2340 B	---	0.66	**200**	mg/L as CaCO3	---	04/30/18 11:49	3916249
---	Conductivity	2510 B	---	2.0	**450**	umho/cm	---	04/24/18 21:05	3916243
---	Solids, Dissolved	2540 C	500 ^	25	**260**	mg/L	---	04/24/18 18:46	3916243
16887-00-6	Chloride	300.0	250 ^	2.0	**15**	mg/L	---	04/20/18 22:40	3916243
14808-79-8	Sulfate	300.0	250 ^	5.0	**19**	mg/L	---	04/20/18 22:40	3916243

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**47**	mg/L	---	04/26/18 15:16	3916249
7439-89-6	Iron	200.7	0.3 ^	0.020	**0.58**	mg/L	---	04/26/18 15:16	3916249
7439-95-4	Magnesium	200.7	---	0.1	**19**	mg/L	---	04/26/18 15:16	3916249
7440-23-5	Sodium	200.7	---	0.1	**16**	mg/L	---	04/26/18 15:16	3916249
7439-96-5	Manganese	200.8	50 ^	2.0	**10**	ug/L	---	04/25/18 17:36	3916249

$ The state of origin does not offer certification for this parameter.

Sampling Point: Herring Station-PBCU002 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**192**	mg/L as CaCO3	---	04/22/18 14:37	3916244
---	Hardness, Total $	2340 B	---	0.66	**270**	mg/L as CaCO3	---	04/30/18 11:49	3916250
---	Conductivity	2510 B	---	2.0	**650**	umho/cm	---	04/24/18 21:10	3916244
---	Solids, Dissolved	2540 C	500 ^	25	**390**	mg/L	---	04/24/18 18:50	3916244
16887-00-6	Chloride	300.0	250 ^	2.0	**42**	mg/L	---	04/25/18 23:39	3916244
14808-79-8	Sulfate	300.0	250 ^	5.0	**58**	mg/L	---	04/20/18 23:40	3916244

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**52**	mg/L	---	04/26/18 15:22	3916250
7439-89-6	Iron	200.7	0.3 ^	0.020	< 0.020	mg/L	---	04/26/18 15:22	3916250
7439-95-4	Magnesium	200.7	---	0.1	**33**	mg/L	---	04/26/18 15:22	3916250
7440-23-5	Sodium	200.7	---	0.1	**36**	mg/L	---	04/26/18 15:22	3916250
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	---	04/25/18 17:40	3916250

$ The state of origin does not offer certification for this parameter.

Client Name: Antea Group Report #: 414267

Sampling Point: Kay Station-PBCU003 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**187**	mg/L as CaCO3	---	04/22/18 14:44	3916245
---	Hardness, Total $	2340 B	---	0.66	**310**	mg/L as CaCO3	---	04/30/18 11:49	3916251
---	Conductivity	2510 B	---	2.0	**830**	umho/cm	---	04/24/18 21:12	3916245
---	Solids, Dissolved	2540 C	500 ^	25	**440**	mg/L	---	04/24/18 18:55	3916245
16887-00-6	Chloride	300.0	250 ^	2.0	**96**	mg/L	---	04/25/18 23:59	3916245
14808-79-8	Sulfate	300.0	250 ^	5.0	**37**	mg/L	---	04/20/18 23:59	3916245

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**65**	mg/L	---	04/26/18 15:25	3916251
7439-89-6	Iron	200.7	0.3 ^	0.020	**0.061**	mg/L	---	04/26/18 15:25	3916251
7439-95-4	Magnesium	200.7	---	0.1	**37**	mg/L	---	04/26/18 15:25	3916251
7440-23-5	Sodium	200.7	---	0.1	**40**	mg/L	---	04/26/18 15:25	3916251
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	---	04/25/18 17:44	3916251

$ The state of origin does not offer certification for this parameter.

Sampling Point: Borger Water Take Pt-PBCU004 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**179**	mg/L as CaCO3	---	04/22/18 14:51	3916246
---	Hardness, Total $	2340 B	---	0.66	**240**	mg/L as CaCO3	---	04/30/18 11:49	3916252
---	Conductivity	2510 B	---	2.0	**550**	umho/cm	---	04/24/18 21:14	3916246
---	Solids, Dissolved	2540 C	500 ^	25	**320**	mg/L	---	04/24/18 18:59	3916246
16887-00-6	Chloride	300.0	250 ^	2.0	**42**	mg/L	---	04/26/18 00:20	3916246
14808-79-8	Sulfate	300.0	250 ^	5.0	**35**	mg/L	---	04/21/18 00:19	3916246

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**46**	mg/L	---	04/26/18 15:27	3916252
7439-89-6	Iron	200.7	0.3 ^	0.020	**0.059**	mg/L	---	04/26/18 15:27	3916252
7439-95-4	Magnesium	200.7	---	0.1	**28**	mg/L	---	04/26/18 15:27	3916252
7440-23-5	Sodium	200.7	---	0.1	**30**	mg/L	---	04/26/18 15:27	3916252
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	---	04/25/18 17:48	3916252

$ The state of origin does not offer certification for this parameter.

Client Name: Antea Group Report #: 414267

Sampling Point: Tech Center Lower-DS01 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**178**	mg/L as CaCO3	---	04/22/18 15:00	3916247
---	Hardness, Total $	2340 B	---	0.66	**240**	mg/L as CaCO3	---	04/30/18 11:49	3916253
---	Conductivity	2510 B	---	2.0	< 2.0	umho/cm	---	04/24/18 21:17	3916247
---	Solids, Dissolved	2540 C	500 ^	25	**350**	mg/L	---	04/24/18 19:03	3916247
16887-00-6	Chloride	300.0	250 ^	2.0	**39**	mg/L	---	04/26/18 01:18	3916247
14808-79-8	Sulfate	300.0	250 ^	5.0	**34**	mg/L	---	04/21/18 00:42	3916247

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**47**	mg/L	---	04/26/18 15:29	3916253
7439-89-6	Iron	200.7	0.3 ^	0.020	**0.18**	mg/L	---	04/26/18 15:29	3916253
7439-95-4	Magnesium	200.7	---	0.1	**28**	mg/L	---	04/26/18 15:29	3916253
7440-23-5	Sodium	200.7	---	0.1	**29**	mg/L	---	04/26/18 15:29	3916253
7439-96-5	Manganese	200.8	50 ^	2.0	**5.0**	ug/L	---	04/25/18 17:53	3916253

$ The state of origin does not offer certification for this parameter.

Sampling Point: Main Shop Breakroom-DS02 PWS ID: TX1170005

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
---	Alkalinity, Total	2320 B	---	1.00	**180**	mg/L as CaCO3	---	04/22/18 15:07	3916248
---	Hardness, Total $	2340 B	---	0.66	**240**	mg/L as CaCO3	---	04/30/18 11:49	3916254
---	Conductivity	2510 B	---	2.0	**600**	umho/cm	---	04/24/18 21:19	3916248
---	Solids, Dissolved	2540 C	500 ^	25	**340**	mg/L	---	04/24/18 19:07	3916248
16887-00-6	Chloride	300.0	250 ^	2.0	**39**	mg/L	---	04/26/18 01:37	3916248
14808-79-8	Sulfate	300.0	250 ^	5.0	**34**	mg/L	---	04/21/18 01:40	3916248

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
7440-70-2	Calcium	200.7	---	0.1	**47**	mg/L	---	04/26/18 15:31	3916254
7439-89-6	Iron	200.7	0.3 ^	0.020	**0.037**	mg/L	---	04/26/18 15:31	3916254
7439-95-4	Magnesium	200.7	---	0.1	**29**	mg/L	---	04/26/18 15:31	3916254
7440-23-5	Sodium	200.7	---	0.1	**30**	mg/L	---	04/26/18 15:31	3916254
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	---	04/25/18 17:57	3916254

$ The state of origin does not offer certification for this parameter.

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.

eurofins | Eaton Analytical

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Order # 341583
Batch # 414267

www.EurofinsUS.com/Eaton

CHAIN OF CUSTODY RECORD

Page 1 of 1

Shaded area for EEA use only

REPORT TO:
Borger Refinery Phillips 66
State HWY Spur 119 North Borger, TX 79007

BILL TO:
Borger Refinery Phillips 66
State HWY Spur 119 North Borger, TX 79007

SAMPLER (Signature)

COMPLIANCE MONITORING: Yes ✓ / No

PWS ID # TX1170005

STATE (sample origin) Texas

POPULATION SERVED <10,000

SOURCE WATER Ground

PROJECT NAME: Borger Refinery Project

PO#

	LAB Number	COLLECTION DATE	COLLECTION TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	391624.243	4/18/18	11:15	✓		Plains Station - PBLH001	Water Quality Parameter	IOC	✓		2		
2	244	4/18/18	1307		✓	Herring Station - PBLH002	Water Quality Parameter		✓		2		
3	245	4/18/18	1320		✓	Kay station - PBLH003	Water Quality Parameter		✓		2		
4	246	4/18/18	12:45		✓	Borger water take point - PBLH004	Water Quality Parameter		✓		2		
5	247	4/18/18	10:05	✓		Tech center Locker - DS01	Water Quality Parameter		✓		2		
6	248	4/18/18	10:15	✓		Main Shop Breakroom - DS02	Water Quality Parameter		✓		2		
7													
8													
9													
10													
11													
12													
13													
14													

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
	4/19/18	1200 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	KPW	4-20-18	0845 AM PM

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

LAB COMMENTS

CONDITIONS UPON RECEIPT (check one): X Iced: Wet/Blue ___ Ambient 0.8 °C Upon Receipt___ N/A

MATRIX CODES:

DW-DRINKING WATER
RW-REAGENT WATER
GW-GROUND WATER
EW-EXPOSURE WATER
SW-SURFACE WATER
PW-POOL WATER
WW-WASTE WATER

TURN-AROUND TIME (TAT) - SURCHARGES

SW = Standard Written: (15 working days) 0%
RV* = Rush Verbal: (5 working days) 50%
RW* = Rush Written: (5 working days) 75%
IV* = Immediate Verbal: (3 working days) 100%
IW* = Immediate Written: (3 working days) 125%
SP* = Weekend, Holiday CALL
STAT* = Less than 48 hours CALL

* Please call, expedited service not available for all testing

Samples received unannounced with less than 48 hours holding time remaining may be subject to additional charges.

eurofins | Eaton Analytical

110 S. Hill Street
South Bend, IN 46617
T: 1.800.332.4345
F: 1.574.233.8207

Order # 341583
Batch # _____

www.EurofinsUS.com/Eaton

CHAIN OF CUSTODY RECORD

Shaded area for EEA use only

REPORT TO:
Borger Refinery Phillips 66
State HWY Spur 119 North Borger, TX 79007

BILL TO:
Borger Refinery Phillips 66
State HWY Spur 119 North Borger, TX 79007

SAMPLER (Signature): [signature]

COMPLIANCE MONITORING: Yes ✓ / No

PWS ID #: TX1170005
POPULATION SERVED: <10,000
STATE (sample origin): Texas
SOURCE WATER: Ground
PROJECT NAME: Borger Refinery Project
PO#:

	LAB Number	COLLECTION DATE	TIME	AM	PM	SAMPLING SITE	TEST NAME	SAMPLE REMARKS	CHLORINATED YES	CHLORINATED NO	# OF CONTAINERS	MATRIX CODE	TURNAROUND TIME
1	391b249	4/18/18	11:15	✓		Plains Station - PBLH001	Water Quality Parameter	Metals	✓		2		
2	250	4/18/18	1307		✓	Herring Station - PBLH002	Water Quality Parameter	↓	✓		2		
3	251	4/18/18	1320		✓	Kay Station - PBLH003	Water Quality Parameter		✓		2		
4	252	4/18/18	12:45		✓	Borger water intake point - PBLH004	Water Quality Parameter		✓		2		
5	253	4/18/18	10:05	✓		Tech center Lower - DS01	Water Quality Parameter		✓		2		
6	254	4/18/18	10:15	✓		Main Shop Breakroom - DS02	Water Quality Parameter		✓		2		
7													
8													
9													
10													
11													
12													
13													
14													

RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
[signature]	4/19/18	1200 AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED BY:(Signature)	DATE	TIME
		AM PM			AM PM
RELINQUISHED BY:(Signature)	DATE	TIME	RECEIVED FOR LABORATORY BY:	DATE	TIME
		AM PM	KPW	4-20-18	0845 AM PM

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LAB COMMENTS

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RV* = Rush Verbal: (5 working days)	50%	IW* = Immediate Written: (3 working days)	125%
RW* = Rush Written: (5 working days)	75%	SP* = Weekend, Holiday	CALL
		STAT* = Less than 48 hours	CALL

* Please call, expedited service not available for all testing

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

WATER QUALITY PARAMETER MONITORING FORM 20679

Completed by PWS (or Agent)

PWS Name:	Borger Refinery
PWS ID#:	TX 1170005
PWS Address:	Phillips 66 Borger Refinery State HWY Spur 119 North Borger, TX 79007
PWS Contact:	Beverly Stephens
PWS Contact Phone #:	806-275-1518

Inhibitor or Stabilizer Used (√):		Phosphate		Silica		Calcium carbonate
TREATMENT	Alkalinity Dosage Rate:		Inhibitor Dosage Rate:			

Completed by Laboratory

Laboratory Name:	
TCEQ Lab ID #:	
Laboratory Address:	
Laboratory Contact:	
Laboratory Contact Phone #:	

Sample Information

Sample Type (√):	✓	Compliance		Non-compliance		
Sample Collector (√):		Public Water System		Accredited Lab	✓	3rd Party Contractor --> LAB ID: AL 0026823
Temperature and pH (Y or N):	Y	Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ?	Y	Were temperature and pH measured in the field within 15 minutes of sample collection?		

Parameters Requested: Analyses are required for the parameters checked. * If inhibitors containing phosphate or silica are used, then these parameters should also be analyzed depending on which is in use.

Facility ID (e.g. DS01, PBCU001)	Sample Point ID (e.g. DSTWQP, EWQP)	Sample Location	Sample Collection: Date (MMDDYY)	Sample Collection: Time - 24 hr (HHMM)	Field Measurements: pH	Field Measurements: Temp (°C)	Replacement? (√)	Original Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	Alkalinity (1927)	Calcium (1919)	Chloride (1017)	Conductivity (1064)	Hardness (1915)	Iron (1028)	Manganese (1032)	Sodium (1052)	Sulfate (1055)	TDS (1930)	O-Phosphate (1044) *	Silica (1049) *
PBCU001	EWQP	Plains Station	04/18/18	1115	7.5	20					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
PBCU002	EWQP	Herring Station	04/18/18	1307	7.5	19					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
PBCU003	EWQP	Kay Station	04/18/18	1320	7.5	20					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
PBCU004	EWQP	Borger Water Take Point	04/18/18	1245	7.7	19					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
DS01	DSTWQP	Tech Center Lower	04/18/18	10:05	7.8	21					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
DS02	DSTWQP	Main Shop Breakroom	04/18/18	1015	7.7	22					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)

Name of Authorized PWS Representative (Print)	Signature	Organization	Date
Dillon Cyrter		Antea Group	4/18/18

Sample Conditions Upon Receipt (√)

Samples received unpreserved?		Iced		Ambient	
Rejection Code (if applicable):		Actual / Corrected sample temperature:			
Date & Time of Sample Preservation (Acidified):		Thermometer ID #:			

Chain of Custody

Relinquished By (Signature)	Date	Relinquished By Courier (Signature)	Date
	4/19/18		
Received By Courier (Signature)	**Date**	**Received By Lab (Signature)**	**Date**
		KDW	4-20-18 0845

Laboratory Comments: Wet 0.8°C