TCEQ

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY PARAMETER MONITORING FORM 20679

Completed by PWS (or Agent)

PWS Name:	OQ Chemicals
PWS ID#:	TX - 1610055
PWS Address:	2001 PM 3057 Bay City, TX 77414
PWS Contact:	Mr. Kelly Wyatt
PWS Contact Phone #:	979-241-4132

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

Sample Information

Sample Type (√):	✓	Compliance		Non-compliance			
Sample Collector (√):		Public Water System	✓	Accredited Lab		3rd Party Contractor --> LAB ID	AL
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?			

Facility ID (e.g. DS01, PBCU001)	**Sample Point ID** (e.g. DSTWQP, EWQP)	**Sample Location**	**Sample Collection** Date (MMDDYY)	Time - 24 hr (HHMM)	**Field Measurements** * pH	* Temp (°C)	**Replacement?** (√)	**Original Sample ID #**	**Original Sample Date** (MMDDYY)
PBCU001	EWQP	Entry Point V149	041222	1348	7.22	26.3°C			
DS01	DSTWQP	Laboratory	041222	1340	7.48	27.4°			

Job ID:22040996
04/12/2022 OQ SC

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
Mr. Kelly Wyatt		OQ Chemicals	04/12/2022

Chain of Custody

Relinquished By (Signature)	Date/Time: 4/12/22 1350	Relinquished By Courier (Signature)	Date/Time: 4/12/22 1630
Received By Courier (Signature)	Date/Time: 4/12/22 1350	Received By Lab (Signature)	Date/Time: 16:50 4/12/22

TCEQ 20679 (Rev 12/2017)

Completed by Laboratory

Laboratory Name:	A&B Labs
TCEQ Lab ID #:	TX275
Laboratory Address:	10100 East Frwy, Ste. 100 Houston, TX 77029
Laboratory Contact:	Shantall Carpenter or Alisha Hughes
Laboratory Contact Phone #:	713-453-6060

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.

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)*
22040996.01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
22040996.02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Sample Conditions Upon Receipt (√)

Samples received unpreserved?		Iced	✓ Ambient
Rejection Code (if applicable):		Actual / Corrected sample temperature:	1.9°
Date & Time of Sample Preservation (Acidified):	04/13/22 10:01	Thermometer ID #:	IR-3

Laboratory Comments:
* Field pH/Temp analyzed by A+B tech Jerome Reeves. 4/12/22

Laboratory Analysis Report

Total Number of Pages: 13

Job ID : 22040996

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
PWS ID #: TX1610055 / OQ Chemicals

Report To :	Client Name:	OQ	P.O.#.: 4630003338
	Attn:	Mr. Kelly Wyatt	Sample Collected By: Mr. Kelly Wyatt
	Client Address:	P.O. Box 1141	Date Collected: 04/12/22
	City, State, Zip:	Bay City, Texas, 77404	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
EWQP / Entry Point V149	Water	22040996.01
DSTWQP / Laboratory	Water	22040996.02

Released By: Shantall Carpenter
Title: Senior Project Manager
Date: 4/20/2022

This Laboratory is NELAP (T104704213) accredited. Effective: 04/01/2022; Expires: 3/31/2023
Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

ab-q210-0321

Date Received : 04/12/2022 16:50

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 22040996

Date: 4/20/2022

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count
J	Estimation. Below calibration range but above MDL		

Qualifier Definition

M6	Not calculated. Sample concentration high, more than 4X spike concentration. Control limits do not apply."The sample randomly selcted as QC for this batch was not part of your project. Therefore, this sample matrix is not applicable to your project samples."

LABORATORY TEST RESULTS

Job ID : 22040996

Date 4/20/2022

Client Name: OQ

Attn: Mr. Kelly Wyatt

Project Name: PWS ID #: TX1610055 / OQ Chemicals

Client Sample ID: EWQP / Entry Point V149
Date Collected: 04/12/22
Time Collected: 13:48
Other Information:

Job Sample ID: 22040996.01
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7									
	Calcium	8.14	mg/L	20	2			04/18/22 16:45	BDC
	Iron	0.146	mg/L	1	0.01	0.3		04/18/22 16:11	BDC
	Manganese	0.012	mg/L	1	0.01	0.05		04/18/22 16:11	BDC
	Sodium	181	mg/L	100	10			04/18/22 15:40	BDC
EPA 300.0									
	Chloride	146	mg/L	20.00	2			04/13/22 19:18	RR
	Sulfate	10.4	mg/L	2.00	0.2			04/14/22 02:35	RR
SM 2320B									
	Alkalinity, as $CaCO_3$[2]	260	mg/L	1	20			04/14/22 11:00	LC
SM 2340C									
	Total Hardness	64	mg CaCO3/L	1	5			04/13/22 11:30	RP
SM 2510B									
	Conductance	1027	umho/cm	1	2			04/13/22 11:00	RP
SM 2540C									
	TDS	484.0	mg/L		10	500		04/13/22 14:30	LC

ab-q212-0321

LABORATORY TEST RESULTS

Job ID : 22040996

Date 4/20/2022

Client Name: OQ

Attn: Mr. Kelly Wyatt

Project Name: PWS ID #: TX1610055 / OQ Chemicals

Client Sample ID: DSTWQP / Laboratory
Date Collected: 04/12/22
Time Collected: 13:40
Other Information:

Job Sample ID: 22040996.02
Sample Matrix Water

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7									
	Calcium	8.19	mg/L	20	2			04/18/22 16:49	BDC
	Iron	0.146	mg/L	1	0.01	0.3		04/18/22 16:15	BDC
	Manganese	0.014	mg/L	1	0.01	0.05		04/18/22 16:15	BDC
	Sodium	180	mg/L	100	10			04/18/22 15:44	BDC
EPA 300.0									
	Chloride	139	mg/L	20.00	2			04/13/22 19:38	RR
	Sulfate	10.6	mg/L	2.00	0.2			04/14/22 02:54	RR
SM 2320B									
	Alkalinity, as CaCO3[2]	254	mg/L	1	20			04/14/22 11:00	LC
SM 2340C									
	Total Hardness	74	mg CaCO3/L	1	5			04/13/22 11:30	RP
SM 2510B									
	Conductance	1012	umho/cm	1	2			04/13/22 11:00	RP
SM 2540C									
	TDS	498.0	mg/L		10	500		04/13/22 14:30	LC

ab-q212-0321

[2]-Parameter not available for accreditation.

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **SM 2510B** **Reporting Units :** **umho/cm**

QC Batch ID : Qb22041346 **Created Date :** 04/13/22 **Created By :** RPadmanaban

Samples in This QC Batch : 22040996.01,02

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Conductance		BRL	umho/cm	1	2		

QC Type: Duplicate

QC Sample ID: 22040944.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Conductance	174.9	174.9	umho/cm	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Conductance	100	101.4	101						90-110	

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **SM 2340C** **Reporting Units :** **mg CaCO3/L**

QC Batch ID : Qb22041348 **Created Date :** 04/13/22 **Created By :** RPadmanaban

Samples in This QC Batch : 22040996.01,02

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Total Hardness		BRL	mg CaCO3/L	1	5		

QC Type: Duplicate

QC Sample ID: 22040996.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Total Hardness	64	64	mg CaCO3	0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Total Hardness	1000	952	95.2	1000	952	95.2	0	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **SM 2540C** **Reporting Units :** **mg/L**

QC Batch ID : Qb22041395 **Created Date :** 04/13/22 **Created By :** LCoku

Samples in This QC Batch : 22040996.01,02

Sample Preparation : PB22041381 **Prep Method :** SM 2540C **Prep Date :** 04/13/22 14:15 **Prep By :** LCoku

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
TDS	TDS	BRL	mg/L		10		

QC Type: Duplicate

QC Sample ID: 22041034.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
TDS	38.0	38.0	mg/L	0	5		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TDS	500	490.0	98						80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **SM 2320B** **Reporting Units :** **mg/L**

QC Batch ID : Qb22041448 **Created Date :** 04/14/22 **Created By :** LCoku

Samples in This QC Batch : 22040996.01,02

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Alkalinity, as CaCO3		BRL	mg/L	1	20		

QC Type: Duplicate

QC Sample ID: 22040996.02

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Alkalinity, as CaCO3	254	254		0	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Alkalinity, as CaCO3	1190	1198	101	1190	1201	101	0.2	20	80-120	

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **EPA 300.0** **Reporting Units :** **mg/L**

QC Batch ID : Qb22041504 **Created Date :** 04/13/22 **Created By :** RRaval

Samples in This QC Batch : 22040996.01,02

Sample Preparation : PB22041501 **Prep Method :** EPA 300.0 **Prep Date :** 04/13/22 17:10 **Prep By :** RRaval

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Chloride	16887-00-6	BRL	mg/L	1.00	0.1		
Sulfate	14808-79-8	BRL	mg/L	1.00	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Chloride	1	0.955	95.5	1	0.957	95.7	0.3	20	90-110	
Sulfate	1	1.03	103	1	0.962	96.2	6.9	20	90-110	

QC Type: MS and MSD
QC Sample ID: 22041034.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Chloride	1.31	1	2.42	111						80-120	
Sulfate	5.02	1	N/A	N/A						80-120	M6

QUALITY CONTROL CERTIFICATE

Job ID : 22040996 **Date :** 4/20/2022

Analysis : **Method :** **EPA 200.7** **Reporting Units :** **mg/L**

QC Batch ID : Qb22041853 **Created Date :** 04/18/22 **Created By :** Jmavani

Samples in This QC Batch : 22040996.01,02

Digestion : PB22041823 **Prep Method :** EPA 200.7 **Prep Date :** 04/18/22 08:30 **Prep By :** Mwissman

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Calcium	7440-70-2T	BRL	mg/L	1	0.1		
Iron	7439-89-6T	BRL	mg/L	1	0.01		
Manganese	7439-95-5T	BRL	mg/L	1	0.01		
Sodium	7440-23-5T	BRL	mg/L	1	0.1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Calcium	1	1.040	104	1	1.048	105	0.7	20	85-115	
Iron	1	1.033	103	1	1.036	104	0.3	20	85-115	
Manganese	1	1.020	102	1	1.021	102	0.1	20	85-115	
Sodium	1	1.022	102	1	1.030	103	0.8	20	85-115	

QC Type: MS and MSD
QC Sample ID: 22041311.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Calcium	46.7	1	N/C	N/C						75-125	M6
Iron	BRL	1	1.028	103						75-125	
Manganese	0.003	1	1.004	100						75-125	
Sodium	29.7	1	30.9	122						75-125	

INSTRUCTIONS FOR COMPLETING THE WATER QUALITY PARAMETER MONITORING FORM 20679

The PWS (or agent) completes the following fields. See additional information at <https://www.tceq.texas.gov/drinkingwater/chemicals/lead_copper/lead-copper.html> under "Water Quality Parameter Sampling."	
PWS Name:	Name of the Public water system
PWS ID:	Public water system identification number (seven digits preceded by the letters "TX")
PWS Address:	Public water system address
PWS Contact Name:	PWS contact person (or agent) responsible for the samples
PWS Contact #:	PWS contact (or agent) phone number
Inhibitor or Stablizer Used:	Check the box indicating the type of inhibitor or stablizer used by the water system; phosphate, silica, or calcium carbonate. (If applicable) **IMPORTANT NOTE**: The laboratory must analyze for orthophosphate or silica if either of those the inhibitors is checked.
TREATMENT:	Fill in the dosage rate for alkalinity and/or inhibitor if applicable.
Sample Type - Compliance or Non-compliance:	Check whether samples are to be used for compliance or not.
Sample Collector:	Check whether samples are collected by the PWS, your accredited lab or a 3rd party/contractor (include 3rd party's Lab ID number).
Are temperature and pH included on the sampling entity's laboratory approval form on file at the TCEQ?	Yes (Y) or No (N). Sampling entity must complete a laboratory approval form and submit to TCEQ for approval prior to sampling. EPA allowed methods must be used to field measure pH and temperature.
Were temperature and pH measured in the field upon sample collection (i.e., within 15 minutes of sample collection? (Y or N)	Yes (Y) or No (N). Field measurements must be completed as soon as possible but no later than than 15 minutes after sample collection.
Facility ID #:	Facility ID number found in Texas Drinking Water Watch (DWW). "DS01" for distribution, "PBCU001", etc. for entry points. Refer to "Sample Points" link on the Texas DWW Webpage: <http://dww2.tceq.texas.gov/DWW/>
Sample Point ID #:	Sample point ID number found in Texas Drinking Water Watch (e.g. "DSTWQP" for distribution, "EWQP" for entry points). Refer to "Sample Points" link on the Texas DWW Webpage: <http://dww2.tceq.texas.gov/DWW/>
Sample Location:	Address of sample point. (Ex. 123 Main Street)
Sample Collection Date:	The date of sample collection by PWS (or agent) in MM/DD/YY format.
Sample Collection Time:	The time of sample collection by PWS (or agent) in 24 hour clock, HH:MM format.
Sample pH:	Record the sample pH at time of collection.
Sample temp:	Record the sample temperature at time of collection in °C
Replacement Indicator:	Check (√) if the sample replaces a previously rejected sample. Otherwise, leave blank.
Original Sample ID #:	If the "Replacement Indicator" box is checked fill out the "Original Sample ID #" column". Otherwise leave blank. (Can be added by the laboratory)
Original Collection Date:	If the "Replacement Indicator" box is checked fill out the "Original Sample Collection Date" column. Otherwise leave blank. (Can be added by the laboratory)
Sample collection acknowledgement:	Responsible PWS representative (or agent) who vouches for correct sample collection procedure and documentation. Fill out name, signature, organization, and date.
Chain of Custody (COC):	Indicate sample transfer by signature and date if the form is used to document COC. Several lines are provided for multiple transfers.
The Laboratory completes the following fields. See additional information in the QAPP Addendum 3 - *Guidance for the Analysis and Reporting of Water Quality Parameters under the Lead and Copper Rule* at <https://www.tceq.texas.gov/drinkingwater/chemicals/lead_copper/lead-copper.html>	
Lab Name:	Laboratory name
TCEQ Lab ID #	Laboratory ID number, unique to the Safe Drinking Water Act Information System (SDWIS). Usually the first ten digits of the accreditation ID
Lab Address:	Laboratory's address
Lab Phone:	Laboratory phone number
Lab Contact Name:	Laboratory contact name
Lab Sample ID:	Laboratory generated sample ID number
Parameters Requested:	Check analyses to be performed. Orthophosphate or silica may be required depending on the inhibitor used.
Rejection Code:	If sample is rejected, fill in the code for the reason. See QAPP Addendum 3 for codes.
Sample Conditions upon Recept:	Check boxes that apply. Record the actual and corrected sample temperature seperated by a "/". Provide the serial number of the thermometer. Provide rejection code(s) as applicable. Additional rejection information can be provided under laboratory comments.
Date/Time of sample preservation (acidification):	Provide the date and time that the portion of the sample that requires preservation was acidified in the laboratory.
Laboratory Comments:	Optional. Any comments the laboratory may want to document.
Received by Lab:	Indicate sample receipt by signature and date, if the form is used to document COC.

Sample Condition Checklist

A&B JobID : **22040996**	Date Received : **04/12/2022**	Time Received : **4:50PM**
Client Name : **OQ**		
Temperature : **1.9°C**	Sample pH : **7**	
Thermometer ID : **IR3**	pH Paper ID : **97499**	
Perservative :		

	Check Points	Yes	No	N/A
1.	**Cooler Seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If No comment)**	X		
8.	**Matrix:** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Samples were received in appropriate container(s)**	X		
10.	**Sample(s) were received with Proper preservative**		X	
11.	**All samples were tagged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's.**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received with in the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		
18.	**Has client been contacted about sub-out**			X

Comments : Include actions taken to resolve discrepancies/problem:

Split & preserved with 1mL of HNO3 on 4/13/2022 at 10:01 LOT#95901 <2 pH. ~EV 4/13/2022
Field pH and Temperature analyzed by A&B field technician Jerome Reeves.

Received by : EValdez

Check in by/date : EValdez / 04/13/2022