

Document Control Sheet

Sheet Title:	PWS - OLS
Box ID:	28748
Control Sheet ID:	0000-0000-0061-5575
Record Series Name:	WS / Public Water Supply
Record Series:	PWS
Primary ID:	1080009
Secondary ID:	
Doc Type:	Monthly Operating Reports
Security:	Public
Date:	4/1/2022 12:00AM
Title:	CLO2MOR
Tertiary ID	

PWS-1080009-MR-20220401-CLO2MOR

**CHLORINE DIOXIDE MONTHLY OPERATING REPORT
FOR PUBLIC WATER SYSTEMS**

PWS NAME: CITY OF PHARR WATER PLANT
 PWS I.D. Number: 1080009
 Report Month: April Year: 2022

PLANT NAME OR NUMBER: PHARR WATER PLANT-TP14891
 Connections: 22,550
 Population: 79,487

RAW DATA									
DATE	ClO ₂ Used?	ClO ₂ POE	ClO ₂ Distribution			Chlorite POE	Chlorite Distribution		
			First	Sec.	Third		Near	Middle	Far
1	Yes	0.01				0.75			
2	Yes	0.01				0.77			
3	Yes	0.01				0.83			
4	Yes	0.01				0.75			
5	Yes	0.01				0.73			
6	Yes	0.01				0.70			
7	Yes	0.01				0.65			
8	Yes	0.01				0.72			
9	Yes	0.01				0.70			
10	Yes	0.01				0.72			
11	Yes	0.01				0.76	1	1	1
12	Yes	0.01				0.71			
13	Yes	0.01				0.80			
14	Yes	0.01				0.81			
15	Yes	0.01				0.77			
16	Yes	0.01				0.77			
17	Yes	0.01				0.74			
18	Yes	0.01				0.70			
19	Yes	0.01				0.68			
20	Yes	0.01				0.67			
21	Yes	0.01				0.67			
22	Yes	0.01				0.71			
23	Yes	0.01				0.70			
24	Yes	0.01				0.70			
25	Yes	0.01				0.72			
26	Yes	0.01				0.72			
27	Yes	0.01				0.73			
28	Yes	0.01				0.79			
29	Yes	0.01				0.79			
30	Yes	0.01				0.75			
31	Yes								

Chlorite Stock Solution	
305.00 g/L chlorite	
1.70 g/L chlorate	

Written approval from TCEQ for reduced monitoring?		No
Date		

Booster Chlorination?	No
-----------------------	----

Chlorite Distribution Monitoring	
Samples Collected	3

Chlorine Dioxide (ClO ₂) Violations	
	No. of Violations
Acute MRDL	0
Non Acute MRDL	0
Monitoring	0
TCEQ Notified?	
Date(s):	
Public Notified?	
Date(s):	

Chlorite M&R Violations	
MCL Violations TBD by the TCEQ	
	No. of Violations
Monitoring	0
TCEQ Notified?	
Date:	
Public Notified?	
Date:	

DATA SUMMARY					
	ClO ₂ POE	ClO ₂ Distribution			Chlorite POE
		No. of Sets:		0	
# > Limit	0	First	Sec.	Third	0
Max.	0.01				0.83
Min.	0.01				0.65
Avg.	0.01				0.73

GENERAL REMARKS ABOUT ClO₂ GENERATOR

RECEIVED

DEC 02 2022

TCEQ
CENTRAL FILE ROOM

RECEIVED

MAY 10 2022

TCEQ
Drinking Water Section

Total water treated this Month
237.513 MG

Sodium Chlorite used this Month
3946.15 lbs.

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: _____

June Topp

License No. & Class: _____

WO0034748, A

Date: May 9, 2022

Submit Report to TCEQ/Water Supply Division/Public Drinking Water Section(MC-155), ATTN: Monthly Reports, P.O. Box 13087, Austin, TX 78711-3087

The report is due the 10th of the following month

Project
1007709

PHR2-G

Pharr 2
Eric Tello
114 W Carrol St
Harlingen, TX 78550

Printed 04/21/2022 13:32

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Email: projectmanger@ana-lab.com



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SAMPLE CROSS REFERENCE

Project
1007709

Printed 4/21/2022 Page 1 of 1
 DW

Pharr 2
 Eric Tello
 114 W Carrol St
 Harlingen, TX 78550

Sample	Sample ID	Taken	Time	Received
2082786	501 W OWASSA	04/11/2022	14:17:00	04/14/2022

Bottle 01 EDA Preserved 250 Amber Polyethylene

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.1 1	01	1003663	04/20/2022	1003663	04/20/2022

Sample	Sample ID	Taken	Time	Received
2082787	100 W NOLANA	04/11/2022	14:26:00	04/14/2022

Bottle 01 EDA Preserved 250 Amber Polyethylene

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.1 1	01	1003663	04/20/2022	1003663	04/20/2022

Sample	Sample ID	Taken	Time	Received
2082788	224 W LAUCK	04/11/2022	15:01:00	04/14/2022

Bottle 01 EDA Preserved 250 Amber Polyethylene

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.1 1	01	1003663	04/20/2022	1003663	04/20/2022

Email: projectmanger@ana-lab.com



Report Page 2 of 9

PHR2-G

Pharr 2
 Eric Tello
 114 W Carrol St
 Harlingen, TX 78550

Project
1007709

Printed: 04/21/2022

RESULTS

Sample Results

2082786 501 W OWASSA Received: 04/14/2022
 Drinking Water Collected by: Client Pharr 2 PO: 4501557509
Taken: 04/11/2022 14:17:00

EPA 300.1 I		Prepared:	1003663	04/20/2022	17:06:00	Analyzed	1003663	04/20/2022	17:06:00	KAP
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Chlorate	250	ug/L	10.0			01				
NELAC Chlorite	325	ug/L	10.0			01				

2082787 100 W NOLANA Received: 04/14/2022
 Drinking Water Collected by: Client Pharr 2 PO: 4501557509
Taken: 04/11/2022 14:26:00

EPA 300.1 I		Prepared:	1003663	04/20/2022	17:27:00	Analyzed	1003663	04/20/2022	17:27:00	KAP
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Chlorate	254	ug/L	10.0			01				
NELAC Chlorite	634	ug/L	10.0			01				

2082788 224 W LAUCK Received: 04/14/2022
 Drinking Water Collected by: Client Pharr 2 PO: 4501557509
Taken: 04/11/2022 15:01:00

EPA 300.1 I		Prepared:	1003663	04/20/2022	17:48:00	Analyzed	1003663	04/20/2022	17:48:00	KAP
Parameter	Results	Units	RL	Flags	CAS	Bottle				
NELAC Chlorate	238	ug/L	10.0			01				
NELAC Chlorite	720	ug/L	10.0			01				

Sample Preparation



PHR2-G

Pharr 2
 Eric Tello
 114 W Carrol St
 Harlingen, TX 78550

Project
1007709

Printed: 04/21/2022

2082786 501 W OWASSA Received: 04/14/2022
 4501557509
 04/11/2022

Prepared: 04/15/2022 16:52:30 Calculated 04/15/2022 16:52:30 CAL

z Environmental Fee (per Project) Verified
 z SUB Shipped Verified

2082787 100 W NOLANA Received: 04/14/2022
 4501557509
 04/11/2022

Prepared: 04/15/2022 16:52:32 Calculated 04/15/2022 16:52:32 CAL

z SUB Shipped Verified

2082788 224 W LAUCK Received: 04/14/2022
 4501557509
 04/11/2022

Prepared: 04/15/2022 16:52:33 Calculated 04/15/2022 16:52:33 CAL

z SUB Shipped Verified



2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914

PHR2-G

Pharr 2
Eric Tello
114 W Carrol St
Harlingen, TX 78550

Project
1007709


Printed: 04/21/2022

Qualifiers:

We report results on an As Received (or Wet) basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab corporate laboratory which holds International, Federal, and state accreditations. Please see <https://www.ana-lab-work.com/index.php/accreditations/>

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, VP Technical Services



QUALITY CONTROL

PHR2-G

Pharr 2
Eric Tello
114 W Carrol St
Harlingen, TX 78550

Project
1007709

Printed 04/21/2022

Analytical Set

1003663

EPA 300.1 1

AWRL/MRL C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorate	5.95	5.00	ug/L	119	75.0 - 125	123537267
Chlorite	4.50	5.00	ug/L	90.0	75.0 - 125	123537267

Blank

Parameter	PrepSet	Reading	MDL	SQL	Units	File
Chlorate	1003663	ND	2.61	5.00	ug/L	123537270
Chlorite	1003663	ND	1.79	5.00	ug/L	123537270

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorate	494	500	ug/L	98.8	80.0 - 120	123537266
Chlorate	505	500	ug/L	101	80.0 - 120	123537283
Chlorate	508	500	ug/L	102	80.0 - 120	123537295
Chlorite	466	500	ug/L	93.2	80.0 - 120	123537266
Chlorite	471	500	ug/L	94.2	80.0 - 120	123537283
Chlorite	473	500	ug/L	94.6	80.0 - 120	123537295

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chlorate	1003663	105	108	100	85.0 - 120	105	108	ug/L	2.82	25.0
Chlorite	1003663	108	109	100	85.0 - 115	108	109	ug/L	0.922	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chlorate	2082679	0	717	483	200	80.0 - 120	-242	117	ug/L		20.0
Chlorite	2082679	505	518	294	200	80.0 - 120	106	112	ug/L	5.98	20.0
Chlorate	2082784	558	563	254	200	80.0 - 120	152 *	154 *	ug/L	1.63	20.0
Chlorite	2082784	370	371	156	200	80.0 - 120	107	108	ug/L	0.466	20.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Dichloroacetate (Surrogate)		Blank	958	1000		95.8	85.0 - 115	123537270
Dichloroacetate (Surrogate)	2082679	UNKNOWN	943	1000		94.3	85.0 - 115	123537277
Dichloroacetate (Surrogate)	2082784	UNKNOWN	940	1000		94.0	85.0 - 115	123537284
Dichloroacetate (Surrogate)	2082786	UNKNOWN	915	1000		91.5	85.0 - 115	123537288
Dichloroacetate (Surrogate)	2082787	UNKNOWN	925	1000		92.5	85.0 - 115	123537289
Dichloroacetate (Surrogate)	2082788	UNKNOWN	933	1000		93.3	85.0 - 115	123537290

* Out RPD is Relative Percent Difference: $\frac{\text{abs}(r1-r2)}{\text{mean}(r1,r2)} * 100\%$

Recover% is Recovery Percent: $\frac{\text{result}}{\text{known}} * 100\%$

Blank - Method Blank; CCV - Continuing Calibration Verification; AWRL/MRL C - Ambient Water Reporting Limit/Minimum Reporting Limit Check Std



1007709 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
R: 3306 State Highway 135 N, Kilgore, TX 75662
Office: 903-984-0551 * Fax: 903-984-5914

P-UP FEE \$ 0.00 TT
SUB:
ALL CLIENTS ON SINGLE
PROJECTY YES NO



CHAIN OF CUSTODY

04/01/2022 Page 1 of 2

Pharr 2
Eric Telle
114 W Carrol St
Harlingen, TX 78550

**PHR2-G
101**

Phone 941/313-0066
PO Number Mandatory 4501557509

Chlorite Pharr

Hand Delivered by Client to Region or LAB

RUSH 5 Day

Matrix: Drinking Water

Sampler Printed Name Angelbeth Saldanes
Sampler Affiliation City of Pharr
Sampler Signature [Signature]

**Client is aware of
air bubbles in samples
Jm 2*

Samples Radioactive? Samples Contains Dioxin? Samples Biological Hazard?

Ana-Lab #	Sample ID	Bottles	Date	Time	Notes
<u>209786</u>	<u>501 W Owassa</u>	<u>1</u>	<u>4/1/22</u>	<u>2:17pm</u>	
<u>787</u>	<u>100 W Nolana</u>	<u>1</u>	<u>4/1/22</u>	<u>2:26pm</u>	
<u>788</u>	<u>224 W Lavick</u>	<u>1</u>	<u>4/1/22</u>	<u>3:01pm</u>	

Z -- No bottle required

Subcontract S50 SUB Shipped

EDA Preserved 250 Amber Glass
N/A AC I/Cal Chlorate EPA 300.11 (28.0 days)

EDA Preserved 250 Amber Plastic
N/A AC I/Cal Chlorite EPA 300.11 (14.0 days)



1007709 CoC Print Group 001 of 001

2600 Dudley Rd., Kilgore, Texas 75662
 R: 3306 State Highway 135 N, Kilgore, TX 75662
 Office: 903-984-0551 * Fax: 903-984-5914



CHAIN OF CUSTODY

04/01/2022

Page 2 of 2

Pharr 2
 Eric Tello
 114 W Carrol St
 Harlingen, TX 78550

PHR2-G
101

Phone

941/313-0066

Mandatory 4501557509

Chlorite Pharr

Date Time	Reinquished		Received	
4/1/22 9:58am	Printed Name <i>Elizabeth Saldana</i>	Affiliation City of Pharr	Printed Name Eric Tello	Affiliation Erogus
	Signature <i>[Signature]</i>		Signature <i>[Signature]</i>	
4-13-22 11:20	Printed Name Eric Tello	Affiliation Erogus	Printed Name <i>[Signature]</i>	Affiliation L6
	Signature <i>[Signature]</i>		Signature <i>[Signature]</i>	
4/13/22 1730	Printed Name <i>[Signature]</i>	Affiliation L.C.	Printed Name LONE STAR	Affiliation
	Signature <i>[Signature]</i>		Signature	
4/14/22 0900	Printed Name LONE STAR	Affiliation	Printed Name KATHY TARVER	Affiliation ANA LAB
	Signature		Signature	

Sample Recieved on Ice? Yes No
 Cooler/Sample Secure? Yes No if Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - AZLA, N - NELAP, or Z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



1007709 CoC Print Group 001 of 001

Firefox

https://www2.lso.com/weblabels/?labelsizes=0&combinedlabel=1&ses...



Airbill No. Z1007X8F

LSO
1-800-800-8984
www.lso.com

OVERNIGHT*

DELIVERY TO:

ANA-LAB

KILGORE, TEXAS

TIME SENSITIVE!

TEMP SENSITIVE!

SAMPLES

903-984-0551

SHIP TO:
LOGIN
ANA-LAB CORP.
2600 DUDLEY RD.
KILGORE, TX 75662
9039840551

From:
JOEL MANJARREZ
ANA-LAB CORP. (RGV)
2401 VILLAGE DR.
SUITE C
BROWNSVILLE, TX 78521
9562380208

B GGG

LSO PRIORITY NEXT DAY

10:30 IN MOST CITIES
LATER IN REMOTE CITIES

PRINT DATE: 4/11/2022 REF 3:
QUICKCODE: LOGIN WEIGHT: 65.00LBS
REF 1: 1D00V.0000 REF 2:

4/14 0910 KT
Date Time Tech
Temp: 2.0/2.1 C

Therm#: 6443 Corr Fact: 0.1 C

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned. Shipping Instructions

1. Fold this page along the horizontal line above.
2. Place this Airbill in the shipping label pouch on the package you are shipping. Please be sure the barcodes and addresses can be read and scanned.
3. To locate a drop box near you, click on **Find A Drop Box** from the home page main menu.
4. To schedule a pickup, click on **Request Pickup**.

WARNING: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your Lone Star Overnight account number. This label is valid for use for 3 months from the date printed. Use of expired labels may result in delayed billing and / or additional research charges. LIMIT OF LIABILITY: We are not responsible for claims in excess of \$100 for any reason unless you: 1) declare a greater value (not to exceed \$25,000); 2) pay an additional fee; 3) and document your actual loss in a timely manner. We will not pay any claim in excess of the actual loss. We are not liable for any special or consequential damages. Additional limitations of liability are contained in our current Service Guide. If you ask us to deliver a package without obtaining a delivery signature, you release us of all liability for claims resulting from such service. NO DELIVERY SIGNATURE WILL BE OBTAINED FOR 8:30 AM DELIVERIES OR RESIDENTIAL DELIVERIES.

CITY OF PHARR
SURFACE WATER TREATMENT
PLANT-TCEQ ID NO. 14891
CHLORINE DIOXIDE MONTHLY
OPERATING REPORT
APRIL 2022
ATTN:
MIA GONZALEZ
OR
HENRIETTA ELSTON

