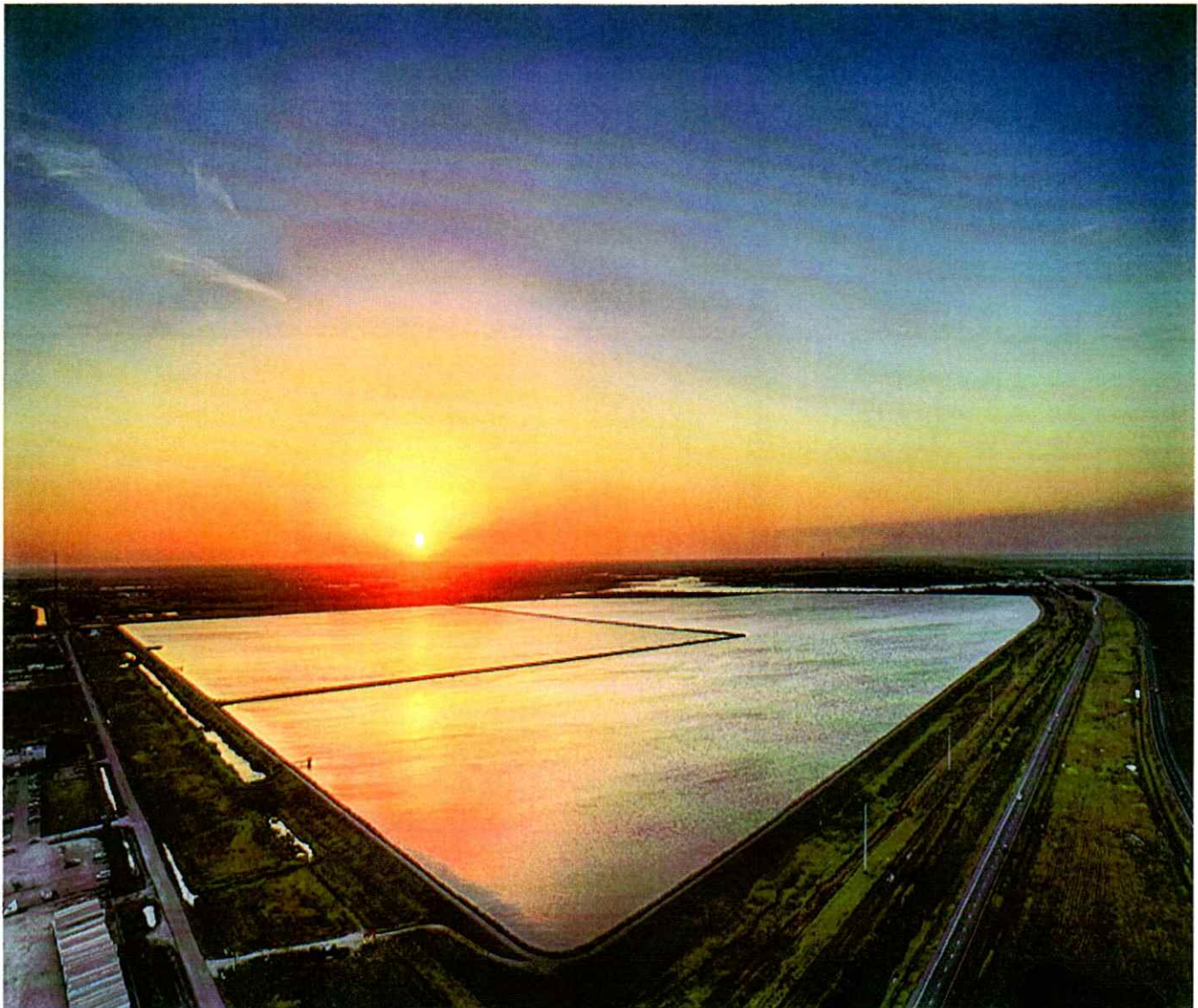




Gulf Coast Water Authority

## Consumer Confidence Report 2023





Gulf Coast Water Authority

CCR Summary Data 2023

2023 Turbidity Summary			
Month	Highest NTU	Average NTU	% Samples < 0.3 NTU
January	.15	.11	100.0%
February	.19	.11	100.0%
March	.23	.13	100.0%
April	.25	.14	100.0%
May	.22	.15	100.0%
June	.34	.14	100.0%
July	.17	.14	100.0%
August	.23	.17	100.0%
September	.17	.09	100.0%
October	.15	.10	100.0%
November	.18	.11	100.0%
December	.14	.09	100.0%
Average	.14	.09	
Maximum	.34	.17	
Minimum	.20	.12	

2023 TOC Removal at WTP POE						
Month	Raw mg/L	Alk mg/L	POE mg/L	Removal %	TCEQ %	Ratio
January	5.66	130	3.68	34.9	25	1.39
February	5.47	121	3.37	38.3	30	1.30
March	5.16	129	3.60	30.1	25	1.20
April	5.18	134	3.66	29.5	25	1.18
May	5.59	125	3.81	31.8	25	1.27
June	5.95	126	4.20	29.3	25	1.17
July	5.45	150	4.02	26.2	25	1.05
August	5.37	187	3.97	26.0	25	1.04
September	5.97	184	4.30	27.7	25	1.11
October	5.34	167	4.00	25.1	25	1.00
November	5.12	161	3.77	26.4	25	1.06
December	4.95	154	3.47	29.8	25	1.19
Average	5.43	147.33	3.82	29.59	25.42	1.16
Maximum	5.97	187.00	4.30	38.30	30	1.39
Minimum	4.95	121.00	3.37	25.10	25	1.00



Gulf Coast Water Authority

CCR Summary Data 2023

2023 Chlorite Data			
	POE Chlorite Samples		
Month	Maximum mg/L	Minimum mg/L	Average mg/L
January	0.44	0.11	0.30
February	0.44	0.18	0.36
March	0.27	0.12	0.20
April	0.18	0.05	0.12
May	0.21	0.10	0.14
June	0.14	0.02	0.08
July	0.17	0.04	0.08
August	0.31	0.06	0.13
September	0.33	0.02	0.19
October	0.33	0.06	0.20
November	0.60	0.26	0.38
December	0.41	0.22	0.34
Average	0.32	0.10	0.21
Maximum	0.60	0.26	0.38
Minimum	0.14	0.02	0.08

2023 Chlorine Dioxide Data		
	POE Chlorine Dioxide	
Month	Maximum ppb	Minimum ppb
January	15	5
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	4	0
October	7	0
November	19	0
December	40	0
Average	7	0
Maximum	40	5
Minimum	0	0

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

<b>PUBLIC WATER SYSTEM NAME:</b> <u>GULF COAST WATER AUTHORITY TX CITY</u>	<b>PLANT NAME OR NUMBER:</b> <u>SWTP - THOMAS MACKEY WTP - BRAZOS</u>	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.
<b>PWS ID No.:</b> <u>0840153</u>	<b>Operator's Signature:</b>	
<b>Plant ID No.:</b> <u>14813</u>	<b>Certificate No. &amp; Grade:</b> <u>WO0043519, A</u>	
<b>Report for the Month of:</b> <u>January 2023</u>	<b>Date:</b> <u>February 7, 2023</u>	

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	128	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.00
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	76.78
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.14
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine			
Total number of readings this month:	186	(at least 180 required) (8)	
Average disinfectant residual value:	3.08	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.			

STATISTICAL ANALYSIS OF TURBIDITY DATA			
Settled Water	Maximum turbidity reading:	2.27 NTU	Average turbidity value:
Stactical	Minimum turbidity reading:	0.27 NTU	0.95 NTU
Summary	95 <sup>th</sup> percentile value:	1.86 NTU	Standard deviation: 0.483 NTU
IFE	Maximum IFE turbidity reading:	0.28 NTU	Average IFE turbidity value: 0.11 NTU
Stactical	Minimum IFE turbidity reading:	0.05 NTU	Standard deviation: 0.039 NTU
Summary	95 <sup>th</sup> percentile IFE value:	0.18 NTU	
CFE	Maximum CFE turbidity reading:	0.15 NTU	Average CFE turbidity value: 0.11 NTU
Stactical	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation: 0.012 NTU
Summary	95 <sup>th</sup> percentile CFE value:	0.14 NTU	

STATISTICAL ANALYSIS OF pH DATA			
Last Zone pH	Maximum pH reading:	7.60 pH	Average pH value:
Stactical	Minimum pH reading:	7.14 pH	7.36 pH
Summary	95 <sup>th</sup> percentile value:	7.54 pH	Standard deviation: 0.105 pH

**SURFACE WATER MONTHLY OPERATING REPORT**  
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

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.

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: February 2023

Operator's Signature: \_\_\_\_\_

Certificate No. & Grade: WO0043519, A

Date: March 3, 2023

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	168	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	110	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.40
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	72.52
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.07
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	196	(at least 180 required) (8)	
Average disinfectant residual value:	3.11	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
<input type="radio"/> CPE	<input type="radio"/> CPE (11)		

	P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.				

STATISTICAL ANALYSIS OF TURBIDITY DATA				
Settled Water Statistical Summary	Maximum turbidity reading:	3.87 NTU	Average turbidity value:	1.04 NTU
	Minimum turbidity reading:	0.18 NTU	Standard deviation:	0.693 NTU
	95 <sup>th</sup> percentile value:	2.01 NTU		
IFE Statistical Summary	Maximum IFE turbidity reading:	0.39 NTU	Average IFE turbidity value:	0.13 NTU
	Minimum IFE turbidity reading:	0.04 NTU	Standard deviation:	0.073 NTU
	95 <sup>th</sup> percentile IFE value:	0.30 NTU		
CFE Statistical Summary	Maximum CFE turbidity reading:	0.19 NTU	Average CFE turbidity value:	0.11 NTU
	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation:	0.020 NTU
	95 <sup>th</sup> percentile CFE value:	0.15 NTU		

STATISTICAL ANALYSIS OF pH DATA				
Last Zone pH Statistical Summary	Maximum pH reading:	7.41 pH	Average pH value:	7.24 pH
	Minimum pH reading:	7.07 pH	Standard deviation:	0.085 pH
	95 <sup>th</sup> percentile value:	7.38 pH		

**SURFACE WATER MONTHLY OPERATING REPORT**  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: <u>GULF COAST WATER AUTHORITY TX CITY</u>	PLANT NAME OR NUMBER: <u>SWTP - THOMAS MACKAY WTP - BRAZOS</u>	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.
PWS ID No.: <u>0840153</u>	Operator's Signature:	
Plant ID No.: <u>14813</u>	Certificate No. & Grade: <u>WO0043519, A</u>	Date: <u>April 5, 2023</u>
Report for the Month of: <u>March 2023</u>		

## TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	169	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Maximum allowable turbidity level:	0.3	Number of days with readings above 5.0 NTU:	0 (3)
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.98
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	92.85
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.16
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

## DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186	(at least 180 required) (8)	
Average disinfectant residual value:	3.10	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

## ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment	<input type="radio"/> CPE
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)	<input type="radio"/> CPE (11)

No additional IFE Reports are required this month.

P.2-Turbidity Data      P.3-Filter Data      P.4&5-Disinfection Data      P.6-TOCMOR

Alternate Technol.	
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## STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water		Maximum turbidity reading:	3.77 NTU	Average turbidity value:	1.17 NTU
Stastical		Minimum turbidity reading:	0.18 NTU	Standard deviation:	0.784 NTU
Summary		95 <sup>th</sup> percentile value:	2.51 NTU		
IFE		Maximum IFE turbidity reading:	0.39 NTU	Average IFE turbidity value:	0.14 NTU
Stastical		Minimum IFE turbidity reading:	0.03 NTU	Standard deviation:	0.075 NTU
Summary		95 <sup>th</sup> percentile IFE value:	0.32 NTU		
CFE		Maximum CFE turbidity reading:	0.23 NTU	Average CFE turbidity value:	0.13 NTU
Stastical		Minimum CFE turbidity reading:	0.09 NTU	Standard deviation:	0.019 NTU
Summary		95 <sup>th</sup> percentile CFE value:	0.16 NTU		

## STATISTICAL ANALYSIS OF pH DATA

Last Zone pH		Maximum pH reading:	7.37 pH	Average pH value:	7.27 pH
Stastical		Minimum pH reading:	7.16 pH	Standard deviation:	0.062 pH
Summary		95 <sup>th</sup> percentile value:	7.36 pH		

SURFACE WATER MONTHLY OPERATING REPORT  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

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.

PWS ID No.: 0840153

Operator's Signature: \_\_\_\_\_

Plant ID No.: 14813

Report for the Month of: April 2023

Certificate No. & Grade: WO0043519, A

Date: May 5, 2023

## TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	154	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.50
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	116.70
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.07
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

## DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	180	(at least 180 required) (8)	
Average disinfectant residual value:	3.33	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

## ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:  NONE  Filter  Filter Assessment  CPE

Additional report(s) for individual filter monitoring submitted:  NONE  Filter Profile  Filter Assessment (10)  CPE (11)

No additional IFE Reports are required this month.

P.2-Turbidity Data      P.3-Filter Data      P.4&5-Disinfection Data      P.6-TOCMOR

Alternate Technol.

## STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water	Maximum turbidity reading:	1.32 NTU	Average turbidity value:	0.72 NTU
	Minimum turbidity reading:	0.20 NTU	Standard deviation:	0.274 NTU
	95 <sup>th</sup> percentile value:	1.19 NTU		
IFE	Maximum IFE turbidity reading:	0.38 NTU	Average IFE turbidity value:	0.14 NTU
	Minimum IFE turbidity reading:	0.05 NTU	Standard deviation:	0.066 NTU
	95 <sup>th</sup> percentile IFE value:	0.30 NTU		
CFE	Maximum CFE turbidity reading:	0.25 NTU	Average CFE turbidity value:	0.14 NTU
	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation:	0.036 NTU
	95 <sup>th</sup> percentile CFE value:	0.21 NTU		

## STATISTICAL ANALYSIS OF pH DATA

Last Zone pH	Maximum pH reading:	7.52 pH	Average pH value:	7.32 pH
	Minimum pH reading:	7.07 pH	Standard deviation:	0.102 pH
	95 <sup>th</sup> percentile value:	7.51 pH		

SURFACE WATER MONTHLY OPERATING REPORT  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

**SURFACE WATER MONTHLY OPERATING REPORT**  
 FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
 OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER  
 Summary Page

PUBLIC WATER SYSTEM NAME: <u>GULF COAST WATER AUTHORITY TX CITY</u>	PLANT NAME OR NUMBER: <u>SWTP - THOMAS MACKEY WTP - BRAZOS</u>	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.
PWS ID No.: <u>0840153</u>	Operator's Signature: <u><i>Antonio J. P. ...</i></u>	
Plant ID No.: <u>14813</u>	Certificate No. & Grade: <u>W00041290, A</u>	Date: <u>June 7, 2023</u>
Report for the Month of: <u>May 2023</u>		

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	186	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.88
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	124.26
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.11
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186 (at least 180 required) (8)	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	3.08	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
<input type="radio"/> CPE	<input type="radio"/> CPE (11)		

	P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.				

STATISTICAL ANALYSIS OF TURBIDITY DATA				
Settled Water Stastical Summary	Maximum turbidity reading:	1.46 NTU	Average turbidity value:	0.71 NTU
	Minimum turbidity reading:	0.18 NTU	Standard deviation:	0.322 NTU
	95 <sup>th</sup> percentile value:	1.27 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.38 NTU	Average IFE turbidity value:	0.16 NTU
	Minimum IFE turbidity reading:	0.07 NTU	Standard deviation:	0.070 NTU
	95 <sup>th</sup> percentile IFE value:	0.31 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.22 NTU	Average CFE turbidity value:	0.15 NTU
	Minimum CFE turbidity reading:	0.11 NTU	Standard deviation:	0.025 NTU
	95 <sup>th</sup> percentile CFE value:	0.19 NTU		

STATISTICAL ANALYSIS OF pH DATA				
Last Zone pH Stastical Summary	Maximum pH reading:	7.63 pH	Average pH value:	7.31 pH
	Minimum pH reading:	7.11 pH	Standard deviation:	0.116 pH
	95 <sup>th</sup> percentile value:	7.50 pH		



# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER  
Summary Page

PUBLIC WATER SYSTEM NAME: <u>GULF COAST WATER AUTHORITY TX CITY</u>	PLANT NAME OR NUMBER: <u>SWTP - THOMAS MACKEY WTP - BRAZOS</u>
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.	
PWS ID No.: <u>0840153</u> Plant ID No.: <u>14813</u> Report for the Month of: <u>June 2023</u>	Operator's Signature: <u><i>Antonio A. Garcia</i></u> Certificate No. & Grade: <u>WO0041290, A</u> Date: <u>July 7, 2023</u>

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	179	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.94
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	127.30
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine	Number of days when profiling data was not collected:	0
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Number of days when CT data was not collected:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Minimum pH in the last disinfection zone:	7.15
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine			
Total number of readings this month:	180	(at least 180 required) (8)	
Average disinfectant residual value:	3.12	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.			

STATISTICAL ANALYSIS OF TURBIDITY DATA			
Settled Water	Maximum turbidity reading:	1.85 NTU	Average turbidity value:
Stastical	Minimum turbidity reading:	0.12 NTU	Standard deviation:
Summary	95 <sup>th</sup> percentile value:	1.05 NTU	0.63 NTU
IFE	Maximum IFE turbidity reading:	0.37 NTU	Average IFE turbidity value:
Stastical	Minimum IFE turbidity reading:	0.08 NTU	Standard deviation:
Summary	95 <sup>th</sup> percentile IFE value:	0.26 NTU	0.15 NTU
CFE	Maximum CFE turbidity reading:	0.34 NTU	Average CFE turbidity value:
Stastical	Minimum CFE turbidity reading:	0.10 NTU	Standard deviation:
Summary	95 <sup>th</sup> percentile CFE value:	0.18 NTU	0.14 NTU

STATISTICAL ANALYSIS OF pH DATA			
Last Zone pH	Maximum pH reading:	7.49 pH	Average pH value:
Stastical	Minimum pH reading:	7.15 pH	Standard deviation:
Summary	95 <sup>th</sup> percentile value:	7.45 pH	7.30 pH

**SURFACE WATER MONTHLY OPERATING REPORT**  
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

**PUBLIC WATER**

SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

**PLANT NAME**

OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

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.

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: July 2023

Operator's Signature: \_\_\_\_\_

Certificate No. & Grade: WO0043519, A

Date: August 4, 2023

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	182	Number of 4-hour periods when plant was off-line: but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.83
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	126.46
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine	Number of days when profiling data was not collected:	0
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Number of days when CT data was not collected:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Minimum pH in the last disinfection zone:	7.23
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186	(at least 180 required) (8)	
Average disinfectant residual value:	3.08	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
<input type="checkbox"/> P.2-Turbidity Data	<input type="checkbox"/> P.3-Filter Data	<input type="checkbox"/> P.4&5-Disinfection Data	<input type="checkbox"/> P.6-TOCMOR

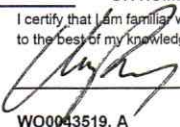
Alternate Technol.	
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STATISTICAL ANALYSIS OF TURBIDITY DATA				
Settled Water Stastical Summary	Maximum turbidity reading:	1.73 NTU	Average turbidity value:	0.60 NTU
	Minimum turbidity reading:	0.14 NTU	Standard deviation:	0.288 NTU
	95 <sup>th</sup> percentile value:	0.96 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.23 NTU	Average IFE turbidity value:	0.13 NTU
	Minimum IFE turbidity reading:	0.08 NTU	Standard deviation:	0.037 NTU
	95 <sup>th</sup> percentile IFE value:	0.21 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.17 NTU	Average CFE turbidity value:	0.14 NTU
	Minimum CFE turbidity reading:	0.10 NTU	Standard deviation:	0.015 NTU
	95 <sup>th</sup> percentile CFE value:	0.16 NTU		

STATISTICAL ANALYSIS OF pH DATA				
Last Zone pH Stastical Summary	Maximum pH reading:	7.56 pH	Average pH value:	7.35 pH
	Minimum pH reading:	7.23 pH	Standard deviation:	0.076 pH
	95 <sup>th</sup> percentile value:	7.46 pH		

**SURFACE WATER MONTHLY OPERATING REPORT**  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

**SURFACE WATER MONTHLY OPERATING REPORT**  
 FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
 OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER  
 Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS  
 PWS ID No.: 0840153 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.  
 Plant ID No.: 14813 Operator's Signature:   
 Report for the Month of: August 2023 Certificate No. & Grade: W00043519, A Date: September 7, 2023

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	186	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.40
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	113.93
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.27
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186 (at least 180 required) (8)	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	3.07	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
<input type="radio"/> CPE	<input type="radio"/> CPE (11)		

P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.			

STATISTICAL ANALYSIS OF TURBIDITY DATA				
Settled Water Stastical Summary	Maximum turbidity reading:	2.27 NTU	Average turbidity value:	0.94 NTU
	Minimum turbidity reading:	0.15 NTU	Standard deviation:	0.460 NTU
	95 <sup>th</sup> percentile value:	1.61 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.29 NTU	Average IFE turbidity value:	0.14 NTU
	Minimum IFE turbidity reading:	0.08 NTU	Standard deviation:	0.041 NTU
	95 <sup>th</sup> percentile IFE value:	0.22 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.23 NTU	Average CFE turbidity value:	0.17 NTU
	Minimum CFE turbidity reading:	0.12 NTU	Standard deviation:	0.017 NTU
	95 <sup>th</sup> percentile CFE value:	0.20 NTU		

STATISTICAL ANALYSIS OF pH DATA				
Last Zone pH Stastical Summary	Maximum pH reading:	7.52 pH	Average pH value:	7.41 pH
	Minimum pH reading:	7.27 pH	Standard deviation:	0.071 pH
	95 <sup>th</sup> percentile value:	7.52 pH		

**SURFACE WATER MONTHLY OPERATING REPORT**  
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

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.

PWS ID No.: 0840153

Plant ID No.: 14813

Operator's Signature: \_\_\_\_\_

Report for the Month of: September 2023

Certificate No. & Grade: WO0043519, A

Date: October 4, 2023

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	35	Number of 4-hour periods when plant was off-line: but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.64
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	119.85
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine	Number of days when profiling data was not collected:	0
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Number of days when CT data was not collected:	0
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Minimum pH in the last disinfection zone:	7.27
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	180	(at least 180 required) (8)	
Average disinfectant residual value:	3.03	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.			

STATISTICAL ANALYSIS OF TURBIDITY DATA				
Settled Water Stastical Summary	Maximum turbidity reading:	2.84 NTU	Average turbidity value:	1.37 NTU
	Minimum turbidity reading:	0.53 NTU	Standard deviation:	0.435 NTU
	95 <sup>th</sup> percentile value:	2.40 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.29 NTU	Average IFE turbidity value:	0.14 NTU
	Minimum IFEturbidity reading:	0.06 NTU	Standard deviation:	0.044 NTU
	95 <sup>th</sup> percentile IFE value:	0.22 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.17 NTU	Average CFE turbidity value:	0.09 NTU
	Minimum CFE turbidity reading:	0.06 NTU	Standard deviation:	0.015 NTU
	95 <sup>th</sup> percentile CFE value:	0.12 NTU		

STATISTICAL ANALYSIS OF pH DATA				
Last Zone pH Stastical Summary	Maximum pH reading:	7.54 pH	Average pH value:	7.40 pH
	Minimum pH reading:	7.27 pH	Standard deviation:	0.070 pH
	95 <sup>th</sup> percentile value:	7.52 pH		

**SURFACE WATER MONTHLY OPERATING REPORT**  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

**PUBLIC WATER**

SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

**PLANT NAME**

OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

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.

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: October 2023

Operator's Signature: \_\_\_\_\_

Certificate No. & Grade: WO0043519, A

Date: November 7, 2023

### TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	89	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.23
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	99.71
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.18
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

### DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186	(at least 180 required) (8)	
Average disinfectant residual value:	3.08	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

### ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:  NONE  Filter  Filter Assessment  CPE

Additional report(s) for individual filter monitoring submitted:  NONE  Filter Profile  Filter Assessment (10)  CPE (11)

No additional IFE Reports are required this month.

P.2-Turbidity Data      P.3-Filter Data      P.4&5-Disinfection Data      P.6-TOCMOR

Alternate Technol.	
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### STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	3.81 NTU	Average turbidity value:	1.38 NTU
	Minimum turbidity reading:	0.56 NTU	Standard deviation:	0.651 NTU
	95 <sup>th</sup> percentile value:	2.81 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.29 NTU	Average IFE turbidity value:	0.15 NTU
	Minimum IFE turbidity reading:	0.06 NTU	Standard deviation:	0.054 NTU
	95 <sup>th</sup> percentile IFE value:	0.25 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.15 NTU	Average CFE turbidity value:	0.10 NTU
	Minimum CFE turbidity reading:	0.06 NTU	Standard deviation:	0.017 NTU
	95 <sup>th</sup> percentile CFE value:	0.13 NTU		

### STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.48 pH	Average pH value:	7.31 pH
	Minimum pH reading:	7.18 pH	Standard deviation:	0.076 pH
	95 <sup>th</sup> percentile value:	7.43 pH		

**SURFACE WATER MONTHLY OPERATING REPORT**  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME: SWTP - THOMAS MACKAY WTP - BRAZOS  
OR NUMBER: \_\_\_\_\_

PWS ID No.: 0840153

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.

Plant ID No.: 14813

Operator's Signature: \_\_\_\_\_

Report for the Month of: November 2023

Certificate No. & Grade: W00043579, A

Date: December 5, 2023

## TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	103	Number of 4-hour periods when plant was off-line: but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.76
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	82.02
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.19
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

## DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	180	(at least 180 required) (8)	
Average disinfectant residual value:	3.06	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

## ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:  NONE  Filter  Filter Assessment  CPE

Additional report(s) for individual filter monitoring submitted:  NONE  Filter Profile  Filter Assessment (10)  CPE (11)

No additional IFE Reports are required this month.

P.2-Turbidity Data      P.3-Filter Data      P.4&5-Disinfection Data      P.6-TOCMOR

Alternate Technol.

## STATISTICAL ANALYSIS OF TURBIDITY DATA

Summary	Maximum turbidity reading:	Minimum turbidity reading:	95 <sup>th</sup> percentile value:	Average turbidity value:	Standard deviation:
Settled Water Stastical Summary	3.13 NTU	0.65 NTU	2.57 NTU	1.59 NTU	0.522 NTU
IFE Stastical Summary	0.28 NTU	0.04 NTU	0.24 NTU	0.12 NTU	0.055 NTU
CFE Stastical Summary	0.18 NTU	0.07 NTU	0.16 NTU	0.11 NTU	0.023 NTU

## STATISTICAL ANALYSIS OF pH DATA

Summary	Maximum pH reading:	Minimum pH reading:	95 <sup>th</sup> percentile value:	Average pH value:	Standard deviation:
Last Zone pH Stastical Summary	7.60 pH	7.19 pH	7.42 pH	7.29 pH	0.086 pH

**SURFACE WATER MONTHLY OPERATING REPORT**  
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

# SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES  
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

<b>PUBLIC WATER SYSTEM NAME:</b> <u>GULF COAST WATER AUTHORITY TX CITY</u>	<b>PLANT NAME OR NUMBER:</b> <u>SWTP - THOMAS MACKEY WTP - BRAZOS</u>	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.
<b>PWS ID No.:</b> <u>0840153</u>	<b>Operator's Signature:</b>	
<b>Plant ID No.:</b> <u>14813</u>	<b>Certificate No. &amp; Grade:</b> <u>W00043519, A</u>	<b>Date:</b> <u>January 9, 2024</u>
<b>Report for the Month of:</b> <u>December 2023</u>		

TREATMENT PLANT PERFORMANCE			
Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	43	Number of 4-hour periods when plant was off-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days with readings above 1.0 NTU:	0 (2)
Number of readings above 1.0 NTU:	0	Number of days with readings above 5.0 NTU:	0 (3)
Maximum allowable turbidity level:	0.3		
Percentage of readings above this limit:	0.0 % (1)		
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.85
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Average log inactivation for viruses:	81.94
		Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.14
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days with pH below 7.0 in the last disinfection zone:	0.00
		Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM			
Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186	(at least 180 required) (8)	
Average disinfectant residual value:	3.04	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS			
The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.			
Additional report(s) for individual filter monitoring required:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter	<input type="radio"/> Filter Assessment
Additional report(s) for individual filter monitoring submitted:	<input checked="" type="radio"/> NONE	<input type="radio"/> Filter Profile	<input type="radio"/> Filter Assessment (10)
No additional IFE Reports are required this month.			
P.2-Turbidity Data	P.3-Filter Data	P.4&5-Disinfection Data	P.6-TOCMOR
Alternate Technol.			

STATISTICAL ANALYSIS OF TURBIDITY DATA			
Settled Water		Maximum turbidity reading:	2.49 NTU
Stastical		Minimum turbidity reading:	0.37 NTU
Summary		95 <sup>th</sup> percentile value:	1.98 NTU
		Average turbidity value:	1.10 NTU
		Standard deviation:	0.488 NTU
IFE		Maximum IFE turbidity reading:	0.28 NTU
Stastical		Minimum IFE turbidity reading:	0.04 NTU
Summary		95 <sup>th</sup> percentile IFE value:	0.25 NTU
		Average IFE turbidity value:	0.12 NTU
		Standard deviation:	0.058 NTU
CFE		Maximum CFE turbidity reading:	0.14 NTU
Stastical		Minimum CFE turbidity reading:	0.07 NTU
Summary		95 <sup>th</sup> percentile CFE value:	0.12 NTU
		Average CFE turbidity value:	0.09 NTU
		Standard deviation:	0.016 NTU

STATISTICAL ANALYSIS OF pH DATA			
Last Zone pH		Maximum pH reading:	7.41 pH
Stastical		Minimum pH reading:	7.14 pH
Summary		95 <sup>th</sup> percentile value:	7.38 pH
		Average pH value:	7.24 pH
		Standard deviation:	0.072 pH

**SURFACE WATER MONTHLY OPERATING REPORT**  
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)  
 P.O. BOX 13087, AUSTIN, TEXAS 78711-3087



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LABORATORY SERVICES SECTION, MC-1947  
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

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## \*ALL MINERALS Analysis Report

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Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
JONES, RUSSELL, C  
3630 HIGHWAY 1765  
TEXAS CITY, TX 77591-4824

Date Reported: 02/28/2024  
Report ID#: 20240228085831AG29201

Lab Sample ID#: AG29201      Water Source :  
Sample Priority : NORMAL      Entry Point(s) : EP001  
TCEQ ID#(s) : 2316910

Date Collected : 02/16/2023 08:46  
Date Received : 02/17/2023

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.9	pH			
Diluted Conductance @ 25.0 °C <sup>1</sup>	483	µmho/cm	SM 2510 B	02/22/2023 08:52	FL
Phenolphthalein Alkalinity as CaCO <sub>3</sub>	<10	mg/L	SM 2320B	02/23/2023 07:57	ME
Total Alkalinity as CaCO <sub>3</sub>	110	mg/L	SM 2320B	02/23/2023 07:57	ME
Bicarbonate	134	mg/L	SM 2320B	02/23/2023 07:57	ME
Carbonate	<10	mg/L	SM 2320B	02/23/2023 07:57	ME
Fluoride <sup>1</sup>	0.19	mg/L	EPA 300.0	02/17/2023 18:19	NP
Chloride <sup>1</sup>	51	mg/L	EPA 300.0	02/17/2023 18:19	NP
Sulfate <sup>1</sup>	43	mg/L	EPA 300.0	02/17/2023 18:19	NP
Total Dissolved Solids <sup>1</sup>	275	mg/L	SM 2540C	02/17/2023 12:10	FL
Nitrate as N <sup>1</sup>	0.99	mg/L	EPA 353.2	02/17/2023 15:20	MD

### Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2016 Standard) requirements.

Authorized by Team Lead NPATEL on 02/28/2023





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## Semivolatiles Organic Analysis Report

Lab Copy/Reprint

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
JONES, RUSSELL, C  
3630 HIGHWAY 1765  
TEXAS CITY, TX 77591-4824

Date Reported: 02/28/2024  
Report ID# : 20240228085832AG29450

Lab Sample ID# : AG29450	Water Source :	Date Collected : 02/16/2023 08:45	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 02/17/2023	Method : EPA 525.2
TCEQ ID#(s) : 2309098		Date Analyzed : 02/27/2023	Analyst : KP
		Extraction Date : 02/24/2023	Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor <sup>1</sup>	<0.2		Dimethylphthalate	<2.0	
Atrazine <sup>1</sup>	<b>0.12</b>	N	Fluorene	<0.20	
Benzo[a]pyrene <sup>1</sup>	<0.02		2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.50	
alpha-Chlordane	<0.2		2,2',4,4',5,6'-Hexachlorobiphenyl	<0.20	
gamma-Chlordane	<0.2		Indeno[1,2,3-cd]pyrene	<0.20	
trans-Nonachlor	<0.2		Metolachlor	<0.20	
Di(2-ethylhexyl) adipate <sup>1</sup>	<0.6		Metribuzin	<0.20	
Di(2-ethylhexyl) phthalate <sup>1</sup>	<0.6		Naphthalene	<0.20	
Heptachlor <sup>1</sup>	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
Hexachlorobenzene <sup>1</sup>	<0.1		2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Hexachlorocyclopentadiene <sup>1</sup>	<0.1	*	Phenanthrene	<0.20	
Lindane <sup>1</sup>	<0.02		Propachlor	<0.20	
Methoxychlor <sup>1</sup>	<0.1		Pyrene	<0.20	
Simazine <sup>1</sup>	<b>0.07</b>	N	2,2',4,4'-Tetrachlorobiphenyl	<0.20	
<b>Monitored Compounds</b>	<b>Result</b>	<b>Qualifier</b>	2,4,5-Trichlorobiphenyl	<0.20	
Acenaphthene	<0.20		Trifluralin	<0.20	
Acenaphthylene	<0.20		<b>Tentatively Identified Compound:</b>	<b>Result</b>	<b>Qualifier</b>
Aldrin	<0.20	*	HEXADECANOIC ACID	<b>12</b>	
Anthracene	<0.20		OCTADECANOIC ACID	<b>11</b>	
Benzo(a)anthracene	<0.20		Tentative identification of the largest non-target peaks is provided by comparison with the EPA/NIH mass spectral library. Approximate quantitation is performed using internal standards and an assumed response factor of one.		
Benzo[b]fluoranthene	<0.20		<b>Comments:</b>		
Benzo[g,h,i]perylene	<0.20		N - See sample comments.		
Benzo[k]fluoranthene	<0.20		* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.		
Bromacil	<0.20		EPA Method 525.2-Presence of Simazine and Atrazine confirmed by previous analyses per the Texas Drinking Water Watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted(*) meet all TNI (2016 Standard) requirements		
Butachlor	<0.20		<b>Authorized by Team Lead AVINYARD on 04/05/2023</b>		
Butylbenzylphthalate	<2.0				
2-Chlorobiphenyl	<0.20				
Chrysene	<0.20				
Dibenz[a,h]anthracene	<0.20				
Di-n-butylphthalate	<2.0				
2,3-Dichlorobiphenyl	<0.20				
Dieldrin	<0.20				
Diethylphthalate	<2.0				



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LABORATORY SERVICES SECTION, MC-1947
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Pesticides by Method 508.1
Analysis Report

Lab Copy/Reprint

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported: 02/28/2024
Report ID# : 20240228085832AG29450

Lab Sample ID#: AG29450 Water Source : Date Collected : 02/16/2023 08:45 Conc. Units : ug/L
Sample Priority : NORMAL Entry Point(s) : EP001 Date Received : 02/17/2023 Method : 508.1 Rev. 2.0
TCEQ ID#(s) : 2309098 Date Analyzed : 03/01/2023 Analyst : JH
Sample Cond. : Acceptable

Table with 3 columns: Regulated Compounds, Result, Qualifier. Rows include Chlordane, Endrin, Heptachlor epoxide, Toxaphene, and a section for Screened Compounds (Aroclor 1016, 1221, 1232, 1242, 1248, 1254, 1260).

Comments:

EPA Method 525.2-Presence of Simazine and Atrazine confirmed by previous analyses per the Texas Drinking Water Watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2016 Standard) requirements. The test results for analytes noted(2) meet all TNI (2016 Standard) requirements for Aroclor Identification. Aroclor quantitation is not accredited.

Authorized by Team Lead AVINYARD on 04/05/2023



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## Trihalomethanes by GC/MS Analysis Report

Lab Copy/Reprint

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
MATLOCK, BRAD  
4243 EMMETT F LOWRY EXPY  
TEXAS CITY, TX 77591-2629

Date Reported: 02/28/2024  
Report ID#: 20240228085832AG45842

Lab Sample ID# : AG45842	Water Source :	Date Collected : 06/23/2023 10:11	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : DBP2-01	Date Received : 06/27/2023	Method : EPA 524.2
TCEQ ID#(s) : 2353001		Date Analyzed : 06/29/2023	Analyst : AK
			Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	27.4	
Bromodichloromethane	26.6	
Dibromochloromethane	15.0	
Bromoform	1.6	
Total Trihalomethanes <sup>1</sup>	70.6	

**Comments:**

The test results on this report relate only to the sample identified on this report. The test results for analytes noted<sup>1</sup> meet all TNI (2016 Standard) requirements.

Authorized by Group Manager TDUNN on 08/02/2023



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## EPA 552.2 Haloacetic Acids Analysis Report

Lab Copy/Reprint

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
MATLOCK, BRAD  
4243 EMMETT F LOWRY EXPY  
TEXAS CITY, TX 77591-2629

Date Reported: 02/28/2024  
Report ID#: 20240228085832AG45842

Lab Sample ID#: AG45842	Water Source :	Date Collected : 06/23/2023 10:11	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : DBP2-01	Date Received : 06/27/2023	Method : 552.2 Rev 1.0
TCEQ ID#(s) : 2353001		Date Analyzed : 06/30/2023	Analyst : TS
		Extraction Date : 06/28/2023	Sample Cond. : Acceptable

<u>Regulated Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Monochloroacetic acid	<2.0	
Dichloroacetic acid	11.2	
Trichloroacetic acid	8.1	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	2.9	
Total HAA5 <sup>1</sup>	22.2	
<u>Monitored Compounds</u>	<u>Result</u>	<u>Qualifier</u>
Bromochloroacetic acid	7.1	
Dalapon	<1.0	

**Comments:**

The test results on this report relate only to the sample identified on this report. The test results for analytes noted<sup>1</sup> meet all TNI (2016 Standard) requirements.

Authorized by Group Manager TDUNN on 08/02/2023



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**\*ALL METALS  
 Analysis Report**

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Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
 JONES, RUSSELL, C  
 3630 HIGHWAY 1765  
 TEXAS CITY, TX 77591-4824

Date Reported: 02/28/2024  
 Report ID#: 20240228085832AG29246

Lab Sample ID#: AG29246  
 Sample Priority: NORMAL  
 TCEQ ID#(s): 2314111

Water Source:  
 Entry Point(s): EP001

Date Collected: 02/16/2023 08:46  
 Date Received: 02/17/2023

Sample Cond.: Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	02/17/2023	TH
pH Check	Completed		EPA 200.2	02/21/2023	BF
Turbidity Screen	Completed		SM 2130B	02/21/2023	BF
Visible Particles	Completed			02/21/2023	BF
Total Hardness as CaCO3 by Calculation	127	mg/L	SM 2340B	02/21/2023	TH
Aluminum <sup>1</sup>	< 0.0200	mg/L	EPA 200.8	02/27/2023	KL
Antimony <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	02/27/2023	KL
Arsenic <sup>1</sup>	< 0.0020	mg/L	EPA 200.8	02/27/2023	KL
Barium <sup>1</sup>	0.0835	mg/L	EPA 200.8	02/27/2023	KL
Beryllium <sup>1</sup>	< 0.00080	mg/L	EPA 200.8	02/27/2023	KL
Cadmium <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	02/27/2023	KL
Calcium	38.1	mg/L	EPA 200.7	02/21/2023	TH
Chromium <sup>1</sup>	< 0.0100	mg/L	EPA 200.8	02/27/2023	KL
Copper <sup>1</sup>	0.0148	mg/L	EPA 200.8	02/27/2023	KL
Iron <sup>1</sup>	< 0.010	mg/L	EPA 200.7	02/21/2023	TH
Lead <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	02/27/2023	KL
Magnesium <sup>1</sup>	7.66	mg/L	EPA 200.7	02/21/2023	TH
Manganese <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	02/27/2023	KL
Mercury <sup>1</sup>	< 0.00040	mg/L	EPA 245.1	02/24/2023	BF
Nickel <sup>1</sup>	0.0021	mg/L	EPA 200.8	02/27/2023	KL
Potassium <sup>1</sup>	5.85	mg/L	EPA 200.7	02/21/2023	TH
Selenium <sup>1</sup>	< 0.0030	mg/L	EPA 200.8	02/27/2023	KL
Silver <sup>1</sup>	< 0.0100	mg/L	EPA 200.8	02/27/2023	KL
Sodium <sup>1</sup>	40.2	mg/L	EPA 200.7	02/21/2023	TH
Thallium <sup>1</sup>	< 0.00040	mg/L	EPA 200.8	02/27/2023	KL
Zinc <sup>1</sup>	0.132	mg/L	EPA 200.8	02/27/2023	KL

**Comments:**

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(<sup>1</sup>) meet all TNI (2016 Standard) requirements.

Authorized by Group Manager HNGO on 03/20/2023



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## Volatile Organic Compounds by GC/MS Analysis Report

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Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY  
 MATLOCK, BRAD  
 4243 EMMETT F LOWRY EXPY  
 TEXAS CITY, TX 77591-2629

Date Reported: 02/28/2024  
 Report ID#: 20240228085832AG48515

Lab Sample ID# : AG48515	Water Source :	Date Collected : 07/13/2023 12:30	Conc. Units : µg/L
Sample Priority : NORMAL	Entry Point(s) : EP001	Date Received : 07/14/2023	Method : EPA 524.2
TCEQ ID#(s) : 2306914		Date Analyzed : 07/19/2023	Analyst : CJ
			Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.6]	Result	Qualifier	Monitored Cmpds.[40 CFR 141.4]	Result	Qualifier
Benzene <sup>1</sup>	<0.5		1,2,4-Trimethylbenzene	<1.0	
Carbon tetrachloride <sup>1</sup>	<0.5		1,2,3-Trichlorobenzene	<1.0	
Monochlorobenzene <sup>1</sup>	<0.5		n-Propylbenzene	<1.0	
o-Dichlorobenzene <sup>1</sup>	<0.5		n-Butylbenzene	<1.0	
para-Dichlorobenzene <sup>1</sup>	<0.5		Naphthalene	<1.0	
1,2-Dichloroethane <sup>1</sup>	<0.5		Hexachlorobutadiene	<1.0	
1,1-Dichloroethylene <sup>1</sup>	<0.5		1,3,5-Trimethylbenzene	<1.0	
cis-1,2-Dichloroethylene <sup>1</sup>	<0.5		4-Isopropyltoluene	<1.0	
trans-1,2-Dichloroethylene <sup>1</sup>	<0.5		Isopropylbenzene	<1.0	
1,2-Dichloropropane <sup>1</sup>	<0.5		t-Butylbenzene	<1.0	
Dichloromethane <sup>1</sup>	<0.5		s-Butylbenzene	<1.0	
Ethylbenzene <sup>1</sup>	<0.5		Trichlorofluoromethane	<2.0	
Styrene <sup>1</sup>	<0.5		Dichlorodifluoromethane	<2.0	
Tetrachloroethylene <sup>1</sup>	<0.5		Bromochloromethane	<1.0	
Toluene <sup>1</sup>	<0.5		<b>Other Compounds</b>	<b>Result</b>	<b>Qualifier</b>
1,2,4-Trichlorobenzene <sup>1</sup>	<0.5		Acetone	<10	
1,1,1-Trichloroethane <sup>1</sup>	<0.5		Acrylonitrile	<10	
1,1,2-Trichloroethane <sup>1</sup>	<0.5		2-Butanone (MEK)	<10	
Trichloroethylene <sup>1</sup>	<0.5		Carbon disulfide	<1.0	N
Vinyl chloride <sup>1</sup>	<0.5		Ethyl methacrylate	<1.0	
Xylenes (total) <sup>1</sup>	<0.5		2-Hexanone	<1.0	
<b>Monitored Cmpds.[40 CFR 141.4]</b>	<b>Result</b>	<b>Qualifier</b>	Iodomethane	<5.0	
Chloroform	14		Methyl methacrylate	<1.0	
Bromodichloromethane	22		4-Methyl-2-pentanone (MIBK)	<2.0	
Dibromochloromethane	20		Methyl-t-butyl ether (MTBE)	<0.5	
Bromoform	3.8		Tetrahydrofuran	<5.0	
Dibromomethane	<1.0		<b>Comments:</b>		
1,3-Dichlorobenzene	<1.0		N - See sample comments.		
1,1-Dichloropropene	<1.0		EPA Method 524.2: Carbon disulfide ICV recovery does not		
1,1-Dichloroethane	<1.0		meet method specifications. The test results on this report		
1,1,2,2-Tetrachloroethane	<1.0		relate only to the sample identified on this report. The test		
1,3-Dichloropropane	<1.0		results for analytes noted(*) meet all TNI (2016 Standard)		
Chloromethane	<2.0		requirements.		
Bromomethane	<2.0		<b>Authorized by Chemist III TBOROWSKI on 09/14/2023</b>		
1,2,3-Trichloropropane	<1.0				
1,1,1,2-Tetrachloroethane	<1.0				
Chloroethane	<2.0				
2,2-Dichloropropane	<1.0				
2-Chlorotoluene	<1.0				
4-Chlorotoluene	<1.0				
Bromobenzene	<1.0				
cis-1,3-Dichloropropene	<1.0				
trans-1,3-Dichloropropene	<1.0				



Texas Department of State Health Services

PO BOX 149347
AUSTIN, TEXAS 78714-9347
1-888-963-7111
www.dshs.state.tx.us

LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

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\*SINGLE MINERAL
Analysis Report

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Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported: 02/28/2024
Report ID# : 20240228085832AG29214

Lab Sample ID# : AG29214 Water Source : Date Collected : 02/16/2023 08:46
Sample Priority : NORMAL Entry Point(s) : EP001 Date Received : 02/17/2023
TCEQ ID#(s) : 2331040

Sample Cond. : Acceptable

Table with 6 columns: Analyte, Result, Unit, Method, Date/Time Analyzed, Analyst. Row 1: Total Cyanide 1, 0.07, mg/L, 10-204-00-1-X, 02/23/2023 12:24, AD

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2016 Standard) requirements.

Authorized by Team Lead NPATEL on 02/27/2023