GCWA

Gulf Coast Water Authority

Consumer Confidence Report 2022

Gulf Coast Water Authority

CCR Summary Data 2022

	2022 Turbidity Summary		
Month	**Highest NTU**	**Average NTU**	**% Samples < 0.3 NTU**
January	0.14	0.06	100.0%
February	0.53	0.14	99.4%
March	0.33	0.13	100.0%
April	0.34	0.14	100.0%
May	0.14	0.10	100.0%
June	0.32	0.13	100.0%
July	0.26	0.17	100.0%
August	0.21	0.13	100.0%
September	0.19	0.09	100.0%
October	0.14	0.11	100.0%
November	0.10	0.07	100.0%
December	0.16	0.08	100.0%
Average	0.10	0.06	
Maximum	0.53	0.17	
Minimum	0.24	0.11	

	2022 TOC Removal at WTP POE					
Month	**Raw mg/L**	**Alk mg/L**	**POE mg/L**	**Removal %**	**TCEQ %**	**Ratio**
January	4.33	152	2.82	34.80	25.00	1.39
February	5.02	138	3.17	36.20	25.00	1.45
March	5.31	135	3.04	42.70	25.00	1.71
April	5.61	135	3.64	34.80	27.50	1.27
May	5.22	150	3.30	36.70	25.00	1.47
June	5.31	144	3.34	37.10	25.00	1.49
July	5.17	155	3.58	30.70	25.00	1.23
August	5.19	160	3.68	29.10	25.00	1.16
September	5.24	155	3.68	29.60	25.00	1.18
October	5.25	172	3.72	29.10	25.00	1.16
November	4.86	162	3.54	27.20	25.00	1.09
December	4.63	144	3.26	29.50	25.00	1.18
Average	5.10	150.17	3.40	33.13	25.21	1.32
Maximum	5.61	172.00	3.72	42.70	27.50	1.71
Minimum	4.33	135.00	2.82	27.20	25.00	1.09

Gulf Coast Water Authority

CCR Summary Data 2022

2022 Chlorite Data			
	POE Chlorite Samples		
Month	Maximum mg/L	Minimum mg/L	Average mg/L
January	0.54	0.18	0.40
February	0.45	0.09	0.29
March	0.48	0.06	0.29
April	0.37	0.09	0.21
May	0.20	0.06	0.15
June	0.26	0.10	0.17
July	0.38	0.05	0.18
August	0.46	0.19	0.31
September	0.45	0.26	0.33
October	0.60	0.12	0.34
November	0.34	0.10	0.18
December	0.42	0.16	0.33
Average	0.41	0.12	0.27
Maximum	0.60	0.26	0.40
Minimum	0.20	0.05	0.15

2022 Chlorine Dioxide Data		
	POE Chlorine Dioxide	
Month	Maximum ppb	Minimum ppb
January	20	0
February	0	0
March	0	0
April	40	0
May	60	0
June	40	0
July	30	0
August	50	0
September	50	0
October	60	20
November	160	30
December	280	40
Average	66	8
Maximum	280	40
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

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

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

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: January 2022

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:

Certificate No. & Grade: WO0041290, A

Date: February 8, 2022

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:	2	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	1.97
		Average log inactivation for viruses:	64.61
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.10
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 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		
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:	◉ NONE	○ Filter Profile	○ Filter Assessment	○ CPE
Additional report(s) for individual filter monitoring submitted:	◉ NONE	○ Filter Profile (9)	○ Filter Assessment (10)	○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.65 NTU	Average turbidity value:	0.38 NTU
	Minimum turbidity reading:	0.10 NTU	Standard deviation:	0.225 NTU
	95th percentile value:	0.77 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.23 NTU	Average IFE turbidity value:	0.07 NTU
	Minimum IFEturbidity reading:	0.04 NTU	Standard deviation:	0.032 NTU
	95th percentile IFE value:	0.13 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.14 NTU	Average CFE turbidity value:	0.06 NTU
	Minimum CFE turbidity reading:	0.04 NTU	Standard deviation:	0.011 NTU
	95th percentile CFE value:	0.08 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.30 pH	Average pH value:	7.22 pH
	Minimum pH reading:	7.10 pH	Standard deviation:	0.054 pH
	95th percentile value:	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

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: February 2022

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:

Certificate No. & Grade: WO0041290, A

Date: March 8, 2022

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:	144	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	1		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.6 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.17
		Average log inactivation for viruses:	58.54
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	6.94
		Number of days with pH below 7.0 in the last disinfection zone:	3.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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:	168	(at least 120 required) (8)	
Average disinfectant residual value:	3.09	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.58 NTU	Average turbidity value:	0.73 NTU
	Minimum turbidity reading:	0.31 NTU	Standard deviation:	0.274 NTU
	95th percentile value:	1.22 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.69 NTU	Average IFE turbidity value:	0.24 NTU
	Minimum IFEturbidity reading:	0.09 NTU	Standard deviation:	0.099 NTU
	95th percentile IFE value:	0.46 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.53 NTU	Average CFE turbidity value:	0.14 NTU
	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation:	0.044 NTU
	95th percentile CFE value:	0.20 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.43 pH	Average pH value:	7.18 pH
	Minimum pH reading:	6.94 pH	Standard deviation:	0.156 pH
	95th percentile value:	7.42 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

Plant ID No.: 14813

Report for the Month of: March 2022

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:

Certificate No. & Grade: WO0041290, A

Date: April 8, 2022

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:	127	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.82
		Average log inactivation for viruses:	82.94
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	6.90
		Number of days with pH below 7.0 in the last disinfection zone:	2.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)		
Average disinfectant residual value:	3.13	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.79 NTU	Average turbidity value:	0.37 NTU
	Minimum turbidity reading:	0.21 NTU	Standard deviation:	0.135 NTU
	95th percentile value:	0.62 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.34 NTU	Average IFE turbidity value:	0.16 NTU
	Minimum IFEturbidity reading:	0.09 NTU	Standard deviation:	0.047 NTU
	95th percentile IFE value:	0.26 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.33 NTU	Average CFE turbidity value:	0.13 NTU
	Minimum CFE turbidity reading:	0.07 NTU	Standard deviation:	0.045 NTU
	95th percentile CFE value:	0.23 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.30 pH	Average pH value:	7.11 pH
	Minimum pH reading:	6.90 pH	Standard deviation:	0.096 pH
	95th percentile value:	7.25 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: GULF COAST WATER AUTHORITY TX CITY

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

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: April 2022

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:

Certificate No. & Grade: WO0041290, A

Date: May 4, 2022

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:	170	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	4.10
		Average log inactivation for viruses:	126.37
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	6.80
		Number of days with pH below 7.0 in the last disinfection zone:	6.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)		
Average disinfectant residual value:	3.17	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.01 NTU	Average turbidity value:	0.29 NTU
	Minimum turbidity reading:	0.10 NTU	Standard deviation:	0.205 NTU
	95th percentile value:	0.65 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.28 NTU	Average IFE turbidity value:	0.12 NTU
	Minimum IFEturbidity reading:	0.06 NTU	Standard deviation:	0.042 NTU
	95th percentile IFE value:	0.20 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.34 NTU	Average CFE turbidity value:	0.14 NTU
	Minimum CFE turbidity reading:	0.10 NTU	Standard deviation:	0.044 NTU
	95th percentile CFE value:	0.23 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.50 pH	Average pH value:	7.09 pH
	Minimum pH reading:	6.80 pH	Standard deviation:	0.150 pH
	95th percentile value:	7.31 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

Plant ID No.: 14813

Report for the Month of: May 2022

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:

Certificate No. & Grade: WO0041290, A

Date: June 7, 2022

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:	91	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.14
		Average log inactivation for viruses:	153.81
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.08
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 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		
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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.81 NTU	Average turbidity value:	0.19 NTU
	Minimum turbidity reading:	0.08 NTU	Standard deviation:	0.094 NTU
	95th percentile value:	0.31 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.14 NTU	Average IFE turbidity value:	0.09 NTU
	Minimum IFEturbidity reading:	0.05 NTU	Standard deviation:	0.019 NTU
	95th percentile IFE value:	0.12 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.14 NTU	Average CFE turbidity value:	0.10 NTU
	Minimum CFE turbidity reading:	0.07 NTU	Standard deviation:	0.013 NTU
	95th percentile CFE value:	0.13 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.26 pH	Average pH value:	7.17 pH
	Minimum pH reading:	7.08 pH	Standard deviation:	0.047 pH
	95th percentile value:	7.25 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
Plant ID No.: 14813
Report for the Month of: June 2022

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:

Certificate No. & Grade: WO0041290, A

Date: July 8, 2022

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:	142	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.25
		Average log inactivation for viruses:	158.33
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.01
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)		
Average disinfectant residual value:	3.02	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.48 NTU	Average turbidity value:	0.26 NTU
	Minimum turbidity reading:	0.11 NTU	Standard deviation:	0.099 NTU
	95th percentile value:	0.42 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.36 NTU	Average IFE turbidity value:	0.12 NTU
	Minimum IFEturbidity reading:	0.06 NTU	Standard deviation:	0.046 NTU
	95th percentile IFE value:	0.21 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.32 NTU	Average CFE turbidity value:	0.13 NTU
	Minimum CFE turbidity reading:	0.09 NTU	Standard deviation:	0.040 NTU
	95th percentile CFE value:	0.22 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.27 pH	Average pH value:	7.16 pH
	Minimum pH reading:	7.01 pH	Standard deviation:	0.064 pH
	95th percentile value:	7.25 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
Plant ID No.: 14813
Report for the Month of: July 2022

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:

Certificate No. & Grade: WO0043519, A

Date: August 3, 2022

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 on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.23
		Average log inactivation for viruses:	161.09
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.02
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)		
Average disinfectant residual value:	2.96	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.16 NTU	Average turbidity value:	0.22 NTU
	Minimum turbidity reading:	0.07 NTU	Standard deviation:	0.125 NTU
	95th percentile value:	0.35 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.22 NTU	Average IFE turbidity value:	0.13 NTU
	Minimum IFEturbidity reading:	0.06 NTU	Standard deviation:	0.033 NTU
	95th percentile IFE value:	0.20 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.26 NTU	Average CFE turbidity value:	0.17 NTU
	Minimum CFE turbidity reading:	0.11 NTU	Standard deviation:	0.038 NTU
	95th percentile CFE value:	0.25 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.35 pH	Average pH value:	7.15 pH
	Minimum pH reading:	7.02 pH	Standard deviation:	0.080 pH
	95th percentile value:	7.28 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

Plant ID No.: 14813

Report for the Month of: August 2022

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:

Certificate No. & Grade: WO0043519, A

Date: September 8, 2022

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:	134	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.71
		Average log inactivation for viruses:	174.63
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.05
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)		
Average disinfectant residual value:	3.05	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:	◉ NONE	○ Filter Profile	○ Filter Assessment	○ CPE
Additional report(s) for individual filter monitoring submitted:	◉ NONE	○ Filter Profile (9)	○ Filter Assessment (10)	○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.71 NTU	Average turbidity value:	0.22 NTU
	Minimum turbidity reading:	0.07 NTU	Standard deviation:	0.095 NTU
	95th percentile value:	0.37 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.21 NTU	Average IFE turbidity value:	0.09 NTU
	Minimum IFEturbidity reading:	0.04 NTU	Standard deviation:	0.027 NTU
	95th percentile IFE value:	0.14 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.21 NTU	Average CFE turbidity value:	0.13 NTU
	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation:	0.030 NTU
	95th percentile CFE value:	0.19 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.36 pH	Average pH value:	7.15 pH
	Minimum pH reading:	7.05 pH	Standard deviation:	0.086 pH
	95th percentile value:	7.33 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
Plant ID No.: 14813
Report for the Month of: September 2022

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:

Certificate No. & Grade: WO0043519, A

Date: October 5, 2022

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:	43	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.94
		Average log inactivation for viruses:	177.33
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.00
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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 120 required) (8)	
Average disinfectant residual value:	3.27	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.47 NTU	Average turbidity value:	0.17 NTU
	Minimum turbidity reading:	0.10 NTU	Standard deviation:	0.066 NTU
	95th percentile value:	0.30 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.17 NTU	Average IFE turbidity value:	0.08 NTU
	Minimum IFEturbidity reading:	0.04 NTU	Standard deviation:	0.028 NTU
	95th percentile IFE value:	0.13 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.19 NTU	Average CFE turbidity value:	0.09 NTU
	Minimum CFE turbidity reading:	0.06 NTU	Standard deviation:	0.020 NTU
	95th percentile CFE value:	0.13 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.20 pH	Average pH value:	7.10 pH
	Minimum pH reading:	7.00 pH	Standard deviation:	0.061 pH
	95th percentile value:	7.20 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
Plant ID No.: 14813
Report for the Month of: October 2022

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:

Certificate No. & Grade: WO0043519, A

Date: November 3, 2022

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:	130	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	4.17
		Average log inactivation for viruses:	116.22
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.00
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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:	3.11	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.26 NTU	Average turbidity value:	0.40 NTU
	Minimum turbidity reading:	0.14 NTU	Standard deviation:	0.291 NTU
	95th percentile value:	1.00 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.19 NTU	Average IFE turbidity value:	0.11 NTU
	Minimum IFEturbidity reading:	0.06 NTU	Standard deviation:	0.033 NTU
	95th percentile IFE value:	0.17 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.14 NTU	Average CFE turbidity value:	0.11 NTU
	Minimum CFE turbidity reading:	0.08 NTU	Standard deviation:	0.011 NTU
	95th percentile CFE value:	0.13 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.30 pH	Average pH value:	7.10 pH
	Minimum pH reading:	7.00 pH	Standard deviation:	0.064 pH
	95th percentile value:	7.21 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

Plant ID No.: 14813

Report for the Month of: November 2022

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:

Certificate No. & Grade: WO0043519, A

Date: December 6, 2022

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:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 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		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.70
		Average log inactivation for viruses:	92.72
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	6.92
		Number of days with pH below 7.0 in the last disinfection zone:	2.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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:	3.10	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: (●) NONE ( ) Filter Profile ( ) Filter Assessment ( ) CPE

Additional report(s) for individual filter monitoring submitted: (●) NONE ( ) Filter Profile (9) ( ) Filter Assessment (10) ( ) CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.04 NTU	Average turbidity value:	0.37 NTU
	Minimum turbidity reading:	0.13 NTU	Standard deviation:	0.189 NTU
	95th percentile value:	0.67 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.14 NTU	Average IFE turbidity value:	0.07 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.023 NTU
	95th percentile IFE value:	0.12 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.10 NTU	Average CFE turbidity value:	0.07 NTU
	Minimum CFE turbidity reading:	0.05 NTU	Standard deviation:	0.014 NTU
	95th percentile CFE value:	0.10 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.50 pH	Average pH value:	7.20 pH
	Minimum pH reading:	6.92 pH	Standard deviation:	0.129 pH
	95th percentile value:	7.40 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

Plant ID No.: 14813

Report for the Month of: December 2022

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:

Certificate No. & Grade: WO0043519, A

Date: January 9, 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:	30	Number of 4-hour periods when plant was off-line:	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.31
		Average log inactivation for viruses:	83.70
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	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:	7.09
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	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:	3.13	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:	◉ 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 Stastical Summary	Maximum turbidity reading:	2.56 NTU	Average turbidity value:	0.56 NTU
	Minimum turbidity reading:	0.11 NTU	Standard deviation:	0.562 NTU
	95th percentile value:	1.77 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.20 NTU	Average IFE turbidity value:	0.08 NTU
	Minimum IFEturbidity reading:	0.04 NTU	Standard deviation:	0.034 NTU
	95th percentile IFE value:	0.16 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.16 NTU	Average CFE turbidity value:	0.08 NTU
	Minimum CFE turbidity reading:	0.04 NTU	Standard deviation:	0.025 NTU
	95th 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:	7.27 pH
	Minimum pH reading:	7.09 pH	Standard deviation:	0.114 pH
	95th percentile value:	7.47 pH		

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

*ALL MINERALS
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 03/29/2022
Report ID# : 20220329095004AF89485

Lab Sample ID# : AF89485
Sample Priority : NORMAL
TCEQ ID#(s) : 2218871

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:08
Date Received : 03/18/2022

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.3	pH			
Diluted Conductance @ 25.0 °C [1]	**596**	µmho/cm	SM 2510 B	03/22/2022 09:17	JR
Phenolphthalein Alkalinity as CaCO3	<10	mg/L	SM 2320B	03/18/2022 14:05	TT
Total Alkalinity as CaCO3	**116**	mg/L	SM 2320B	03/18/2022 14:05	TT
Bicarbonate	**142**	mg/L	SM 2320B	03/18/2022 14:05	TT
Carbonate	<10	mg/L	SM 2320B	03/18/2022 14:05	TT
Fluoride [1]	**0.35**	mg/L	EPA 300.0	03/18/2022 13:28	NP
Chloride [1]	**61**	mg/L	EPA 300.0	03/18/2022 13:28	NP
Sulfate [1]	**63**	mg/L	EPA 300.0	03/18/2022 13:28	NP
Total Dissolved Solids [1]	**324**	mg/L	SM 2540C	03/18/2022 11:32	JR
Nitrate as N [1]	**1.20**	mg/L	EPA 353.2	03/18/2022 12:30	MD

Comments:

TDS/Conductivity ratio is outside the acceptance range of 0.55 to 0.70. TDS/Conductivity ratio was confirmed by second analysis. 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 03/25/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

Carbamates by HPLC
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 03/29/2022
Report ID# : 20220329095004AF89632

Lab Sample ID# : AF89632
Sample Priority : NORMAL
TCEQ ID#(s) : 2219791

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:16
Date Received : 03/18/2022
Date Analyzed : 03/18/2022

Conc. Units : µg/L
Method : EPA Method 531.1
Analyst : LZ
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Aldicarb [1]	<0.5	
Aldicarb sulfone [1]	<0.8	
Aldicarb Sulfoxide [1]	<0.5	
Carbofuran [1]	<0.9	
Oxamyl [1]	<2.0	

Monitored Compounds	Result	Qualifier
Baygon	<2.0	
Carbaryl	<2.0	
3-Hydroxycarbofuran	<2.0	
Methiocarb	<4.0	
Methomyl	<2.0	

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 AVINYARD on 03/25/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

Pesticides by Method 508.1
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 04/07/2022
Report ID# : 20220407102054AF89643

Lab Sample ID# : AF89643
Sample Priority : NORMAL
TCEQ ID#(s) : 2209478

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:08
Date Received : 03/18/2022
Date Analyzed : 03/25/2022

Conc. Units : ug/L
Method : 508.1 Rev. 2.0
Analyst : JH
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Chlordane [1]	<0.2	
Endrin [1]	<0.01	
Heptachlor epoxide [1]	<0.02	
Toxaphene [1]	<1.	

Screened Compounds	Result	Qualifier
Aroclor 1016 [2]	<0.08	
Aroclor 1221 [2]	<20.	
Aroclor 1232 [2]	<0.5	
Aroclor 1242 [2]	<0.3	
Aroclor 1248 [2]	<0.1	
Aroclor 1254 [2]	<0.1	
Aroclor 1260 [2]	<0.2	

Comments:

EPA Method 525.2-Presence of 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 Group Manager TDUNN on 04/07/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

RECEIVED
APR 13 2022

Semivolatiles Organic Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 04/07/2022
Report ID# : 20220407102054AF89643

Lab Sample ID# : AF89643
Sample Priority : NORMAL
TCEQ ID#(s) : 2209478

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:08
Date Received : 03/18/2022
Date Analyzed : 03/22/2022
Extraction Date : 03/21/2022

Conc. Units : µg/L
Method : EPA 525.2
Analyst : KP
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Alachlor [1]	<0.2	
Atrazine [1]	**0.10**	N
Benzo[a]pyrene [1]	<0.02	
alpha-Chlordane	<0.2	
gamma-Chlordane	<0.2	
trans-Nonachlor	<0.2	
Di(2-ethylhexyl) adipate [1]	<0.6	
Di(2-ethylhexyl) phthalate [1]	<0.6	
Heptachlor [1]	<0.04	
Hexachlorobenzene [1]	<0.1	
Hexachlorocyclopentadiene [1]	<0.1	*
Lindane [1]	<0.02	
Methoxychlor [1]	<0.1	
Simazine [1]	<0.07	

Monitored Compounds	Result	Qualifier
Acenaphthene	<0.20	
Acenaphthylene	<0.20	
Aldrin	<0.20	
Anthracene	<0.20	
Benzo(a)anthracene	<0.20	
Benzo[b]fluoranthene	<0.20	
Benzo[g,h,i]perylene	<0.20	
Benzo[k]fluoranthene	<0.20	
Bromacil	<0.20	KX
Butachlor	<0.20	
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	

Monitored Compounds continued	Result	Qualifier
Dimethylphthalate	<2.0	
Fluorene	<0.20	
2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.50	
2,2',4,4',5,6'-Hexachlorobiphenyl	<0.20	
Indeno[1,2,3-cd]pyrene	<0.20	
Metolachlor	<0.20	
Metribuzin	<0.20	
Naphthalene	<0.20	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Phenanthrene	<0.20	
Propachlor	<0.20	
Pyrene	<0.20	
2,2',4,4'-Tetrachlorobiphenyl	<0.20	
2,4,5-Trichlorobiphenyl	<0.20	
Trifluralin	<0.20	

Tentatively Identified Compounds	Result	Qualifier
HEXADECANOIC ACID	**6.6**	
OCTADECANOIC ACID	**14**	

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.

Comments:

N - See sample comments.
* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.
K - The associated laboratory fortified blank spike (and/or its duplicate) recovery was above method acceptance limits.
X - The Minimum Reporting Limit (MRL) verification check did not meet the method acceptance limits.

EPA Method 525.2-Presence of 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.

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

Semivolatiles Organic Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 04/07/2022
Report ID# : 20220407102054AF89643

Lab Sample ID# :	AF89643	Water Source :	Date Collected :	03/17/2022 10:08	Conc. Units : µg/L
Sample Priority :	NORMAL	Entry Point(s) : EP001	Date Received :	03/18/2022	Method : EPA 525.2
TCEQ ID#(s) :	2209478		Date Analyzed :	03/22/2022	Analyst : KP
			Extraction Date :	03/21/2022	Sample Cond. : Acceptable

Authorized by Group Manager TDUNN on 04/07/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

Trihalomethanes by GC/MS
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 05/19/2022
Report ID# : 20220519085401AF95672

Lab Sample ID# : AF95672
Sample Priority : NORMAL
TCEQ ID#(s) : 2255241

Water Source :
Entry Point(s) : DBP2-01

Date Collected : 05/04/2022 11:24
Date Received : 05/06/2022
Date Analyzed : 05/10/2022

Conc. Units : µg/L
Method : EPA 524.2
Analyst : AK
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	7.7	
Bromodichloromethane	18.3	
Dibromochloromethane	22.3	
Bromoform	6.2	
Total Trihalomethanes [1]	54.5	

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 AMIERTSCH on 05/18/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

EPA 552.2 Haloacetic Acids
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 05/19/2022
Report ID# : 20220519085401AF95672

Lab Sample ID# : AF95672
Sample Priority : NORMAL
TCEQ ID#(s) : 2255241

Water Source :
Entry Point(s) : DBP2-01

Date Collected : 05/04/2022 11:24
Date Received : 05/06/2022
Date Analyzed : 05/13/2022
Extraction Date : 05/12/2022

Conc. Units : µg/L
Method : 552.2 Rev 1.0
Analyst : JL
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	M
Dichloroacetic acid	7.2	
Trichloroacetic acid	3.0	
Monobromoacetic acid	1.1	
Dibromoacetic acid	5.8	
Total HAA5 [1]	17.1	

Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	7.1	
Dalapon	<1.0	

Comments:

M - The associated laboratory fortified matrix spike recovery was above method acceptance limits. Suspect Matrix.

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 AMIERTSCH on 05/18/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

EDB and DBCP Analysis Report

RECEIVED
APR 0 6 2022

Submitter Identification Number: 0840153

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

Date Reported : 03/31/2022
Report ID# : 20220331090242AF89602

Lab Sample ID# : AF89602
Sample Priority : NORMAL
TCEQ ID#(s) : 2224792

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:16
Date Received : 03/18/2022
Date Analyzed : 03/24/2022 03:41
Extraction Date : 03/23/2022

Conc. Units : µg/L
Method : 504.1 Rev. 1.1
Analyst : DP
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Ethylene dibromide [1]	<0.01	
Dibromochloropropane [1]	<0.02	

Non Regulated Compounds	Result	Qualifier
1,2,3-Trichloropropane	<0.05	

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 Group Manager TDUNN on 03/31/2022

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

*ALL METALS
Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 04/26/2022
Report ID# : 20220426105813AF89505

Lab Sample ID# : AF89505
Sample Priority : NORMAL
TCEQ ID#(s) : 2216389

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:08
Date Received : 03/18/2022

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	03/18/2022	HN
pH Check	Completed		EPA 200.2	03/21/2022	KL
Turbidity Screen	Completed		SM 2130B	03/21/2022	KL
Visible Particles	Completed			03/21/2022	KL
Total Hardness as CaCO3 by Calculation	**151**	mg/L	SM 2340B	03/23/2022	KL
Aluminum [1]	< 0.0200	mg/L	EPA 200.8	04/05/2022	TH
Antimony [1]	< 0.0010	mg/L	EPA 200.8	04/05/2022	TH
Arsenic [1]	< 0.0020	mg/L	EPA 200.8	04/05/2022	TH
Barium [1]	**0.0944**	mg/L	EPA 200.8	04/05/2022	TH
Beryllium [1]	< 0.00080	mg/L	EPA 200.8	04/05/2022	TH
Cadmium [1]	< 0.0010	mg/L	EPA 200.8	04/05/2022	TH
Calcium	**44.1**	mg/L	EPA 200.7	03/23/2022	KL
Chromium [1]	< 0.0100	mg/L	EPA 200.8	04/05/2022	TH
Copper [1]	**0.0153**	mg/L	EPA 200.8	04/05/2022	TH
Iron [1]	< 0.010	mg/L	EPA 200.7	03/23/2022	KL
Lead [1]	< 0.0010	mg/L	EPA 200.8	04/05/2022	TH
Magnesium [1]	**10.0**	mg/L	EPA 200.7	03/23/2022	KL
Manganese [1]	**0.0079**	mg/L	EPA 200.8	04/05/2022	TH
Mercury [1]	< 0.00040	mg/L	EPA 245.1	03/25/2022	BF
Nickel [1]	**0.0034**	mg/L	EPA 200.8	04/05/2022	TH
Potassium [1]	**5.76**	mg/L	EPA 200.7	03/23/2022	KL
Selenium [1]	< 0.0030	mg/L	EPA 200.8	04/05/2022	TH
Silver [1]	< 0.0100	mg/L	EPA 200.8	04/05/2022	TH
Sodium [1]	**47.4**	mg/L	EPA 200.7	03/23/2022	KL
Thallium [1]	< 0.00040	mg/L	EPA 200.8	04/05/2022	TH
Zinc [1]	**0.121**	mg/L	EPA 200.8	04/05/2022	TH

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 EBOYER on 04/22/2022

TEXAS Department of State Health Services

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

Herbicides in Drinking Water Analysis Report

Submitter Identification Number: 0840153

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

Date Reported : 04/26/2022
Report ID# : 20220426105813AF89621

Lab Sample ID# : AF89621
Sample Priority : NORMAL
TCEQ ID#(s) : 2222214

Water Source :
Entry Point(s) : EP001

Date Collected : 03/17/2022 10:16
Date Received : 03/18/2022
Date Analyzed : 03/25/2022
Extraction Date : 03/22/2022

Conc. Units : µg/L
Method : 515.4 Rev. 1.0
Analyst : DP
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
2,4-D [1]	<0.1	
2,4,5-TP (Silvex) [1]	<0.2	
Pentachlorophenol [1]	<0.04	
Dalapon [1]	<1	
Dinoseb [1]	<0.2	
Picloram [1]	<0.1	

Non Regulated Compounds	Result	Qualifier
Acifluorfen	<1.0	
Bentazon	<2.0	
Chloramben	<1.0	
2,4-DB	<2.0	
Dicamba	<1.0	
3,5-Dichlorobenzoic acid	<1.0	
Dichlorprop	<2.0	
Quinclorac	<1.0	
2,4,5-T	<0.5	

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 AMIERTSCH on 04/20/2022

Public Water System Sample Collection Analysis Report

Public Water System ID #: TX0840153

Collection Date: 3/17/2022

Report to:
GULF COAST WATER AUTHORITY TX CITY
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Water analyses are required by law (30 TAC §290, THSC §341.0315). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees. Falsification of this form or tampering with water samples is a crime punishable under state and federal law. Refusing to sample, including refusing to sign this form, will result in a monitoring and reporting violation(s), possible enforcement, and fines.

Devon North
DEVON NORTH
WATER SYSTEM REPRESENTATIVE

Jose Garcia
JOSE GARCIA
SAMPLING TECHNICIAN

SAMPLING LOCATION
FACILITY ID: EP001 FACILITY LOCATION: 4001 5TH AVE N, TEXAS CITY LAT: N 29.388363
SAMPLE POINT: TRT-TAP SAMPLE LOCATION: MAIN LAB LONG: W -94.956713
TAP FLUSHING - START: 9:47 FREE CHLORINE RESIDUAL: -- mg/L TEMPERATURE: 68 °F
END: 10:16 TOTAL CHLORINE RESIDUAL: 3.03 mg/L pH: 7.3

TIME	SAMPLE ID	ANALYSIS TYPE	CONTAINER	PRESERVATION	SAMPLE PERIOD	LAB	SAMPLE TYPE	PRIORITY	COMPLIANCE
10:08:39	2209478	SOC5	1 L AMBER GLASS	SODIUM SULFITE, HCl PH<2, COOL 4C, DARK	YR2022	DSHS	RT	N	YES
10:08:45	2216389	MTL1	1 L PLASTIC OR GLASS	NO FIELD PRESERVATION	YR2022	DSHS	RT	N	YES
10:08:47	2218871	MIN	1 L PLASTIC OR GLASS	COOL 4C	YR2022	DSHS	RT	N	YES
10:16:13	2219791	531	2 - 60 ML GLASS	SODIUM THIOSULFATE, MCA PH<3, COOL 4C	3Y2022	DSHS	RT	N	YES
10:16:20	2222214	515	2 - 40 ML AMBER GLASS	SODIUM SULFITE, COOL 10C, DARK	3Y2022	DSHS	RT	N	YES
10:16:24	2224792	504	3 - 40 ML GLASS & FIELD BLA	SODIUM THIOSULFATE, COOL 4C	3Y2022	DSHS	RT	N	YES
COMMENTS: LOT DHL 02/16/22 EXP 05/16/22									
10:16:37	2228403	CYANIDE	1 L PLASTIC OR GLASS	ASCORBIC ACID, NAOH PH>12, COOL 4C	YR2022	DSHS	RT	N	YES
10:16:38	2241021	NITRITE	100 ML PLASTIC OR GLASS	COOL 4C	9Y2022	DSHS	RT	N	YES

FOR MORE INFORMATION: Public water systems may view their water system information including sampling schedules and sample results by visiting the State of Texas Drinking Water Watch website at the following address: http://dww2.tceq.texas.gov/DWW/

Regulations governing sample scheduling and collection are available upon request from the Public Drinking Water Section of the Texas Commission on Environmental Quality. Phone: (512) 239-4691 Email: PWSCHEM@tceq.texas.gov Website: http://www.tceq.texas.gov

Lab fee schedule can be found at the following address: www.tceq.texas.gov/drinkingwater/chemicals/sample_collection/costestimate#Lab-fees

Date report printed 3/17/2022

Revision Date 01262018

Public Water System Sample Collection Analysis Report

Public Water System ID #: TX0840153

Report to:
GULF COAST WATER AUTHORITY TX CITY
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Collection Date: 5/4/2022

Water analyses are required by Law (30 TAC §290, THSC §341.0315). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees. Falsification of this form or tampering with water samples is a crime punishable under state and federal law. Refusing to sample, including refusing to sign this form, will result in a monitoring and reporting violation(s), possible enforcement, and fines.

Devon North
DEVON NORTH
WATER SYSTEM REPRESENTATIVE

JOSE GARCIA
SAMPLING TECHNICIAN

SAMPLING LOCATION
FACILITY ID: DS01 FACILITY LOCATION: DISTRIBUTION SYSTEM LAT: N 29.388338
SAMPLE POINT: DBP2-01 SAMPLE LOCATION: 3630 FM 1765-MAIN OFFICE RR LONG: W -94.956773
TAP FLUSHING - START: 11:00 FREE CHLORINE RESIDUAL: -- mg/L TEMPERATURE: 78 °F
END: 11:24 TOTAL CHLORINE RESIDUAL: 3.3 mg/L pH: 7.6

TIME	SAMPLE ID	ANALYSIS TYPE	CONTAINER	PRESERVATION	SAMPLE PERIOD	LAB	SAMPLE TYPE	PRIORITY	COMPLIANCE
11:24:36	2255241	DBP2	2-40 ML CLEAR/2-60 ML AMBER	Na2S2O3/NH4Cl, COOL 4C, DARK	YR2022	DSHS	RT	N	YES

COMMENTS: 6

FOR MORE INFORMATION: Public water systems may view their water system information including sampling schedules and sample results by visiting the State of Texas Drinking Water Watch website at the following address: http://dww2.tceq.texas.gov/DWW/

Regulations governing sample scheduling and collection are available upon request from the Public Drinking Water Section of the Texas Commission on Environmental Quality. Phone: (512) 239-4691 Email: PWSCHEM@tceq.texas.gov Website: http://www.tceq.texas.gov

Lab fee schedule can be found at the following address: www.tceq.texas.gov/drinkingwater/chemicals/sample_collection/costestimate#Lab-fees

Date report printed 5/4/2022

Revision Date 01262018

Public Water System Sample Collection Analysis Report

Public Water System ID #: TX0840153

Report to:
GULF COAST WATER AUTHORITY TX CITY
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Collection Date: 7/22/2022

Water analyses are required by law (30 TAC §290, THSC §341.0315). I acknowledge that the sampling technician has been accompanied during sampling and that the sample has been collected from the correct location indicated on this form. Water systems are responsible for all laboratory fees. Falsification of this form or tampering with water samples is a crime punishable under state and federal law. Refusing to sample, including refusing to sign this form, will result in a monitoring and reporting violation(s), possible enforcement, and fines.

Devon North

DEVON NORTH
WATER SYSTEM REPRESENTATIVE

JOSE GARCIA
SAMPLING TECHNICIAN

SAMPLING LOCATION
FACILITY ID: EP001 FACILITY LOCATION: 4001 5TH AVE N, TEXAS CITY LAT: N 29.387993
SAMPLE POINT: TRT-TAP SAMPLE LOCATION: MAIN LAB LONG: W -94.956498
TAP FLUSHING - START: 10:00 FREE CHLORINE RESIDUAL: -- mg/L TEMPERATURE: 84 'F
END: 10:16 TOTAL CHLORINE RESIDUAL: 3.86 mg/L pH: 7.8

TIME	SAMPLE ID	ANALYSIS TYPE	CONTAINER	PRESERVATION	SAMPLE PERIOD	LAB	SAMPLE TYPE	PRIORITY	COMPLIANCE
10:20:19	2206800	VOC	2 - 40 ML GLASS & FIELD BLA	ASCORBIC ACID, HCl PH<2, COOL 4C	YR2022	DSHS	RT	N	YES

COMMENTS: LOT DHL 06/03/22 EXP 09/03/22

FOR MORE INFORMATION: Public water systems may view their water system information including sampling schedules and sample results by visiting the State of Texas Drinking Water Watch website at the following address: http://dww2.tceq.texas.gov/DWW/

Regulations governing sample scheduling and collection are available upon request from the Public Drinking Water Section of the Texas Commission on Environmental Quality. Phone: (512) 239-4691 Email: PWSCHEM@tceq.texas.gov Website: http://www.tceq.texas.gov

Lab fee schedule can be found at the following address: www.tceq.texas.gov/drinkingwater/chemicals/sample_collection/costestimate#Lab-fees

Date report printed 7/22/2022

Revision Date 01262018

TEXAS Department of State Health Services

Texas Department of State Health Services

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

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

Volatile Organic Compounds by GC/MS
Analysis Report

Submitter Identification Number: 0840153

RECEIVED
AUG 2 3 2022

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

Date Reported : 08/16/2022
Report ID# : 20220816120641AG06107

Lab Sample ID# : AG06107
Sample Priority : NORMAL
TCEQ ID#(s) : 2206800

Water Source :
Entry Point(s) : EP001

Date Collected : 07/22/2022 10:20
Date Received : 07/26/2022
Date Analyzed : 07/27/2022

Conc. Units : µg/L
Method : EPA 524.2
Analyst : TB
Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier
Benzene [1]	<0.5	
Carbon tetrachloride [1]	<0.5	
Monochlorobenzene [1]	<0.5	
o-Dichlorobenzene [1]	<0.5	
para-Dichlorobenzene [1]	<0.5	
1,2-Dichloroethane [1]	<0.5	
1,1-Dichloroethylene [1]	<0.5	
cis-1,2-Dichloroethylene [1]	<0.5	
trans-1,2-Dichloroethylene [1]	<0.5	
1,2-Dichloropropane [1]	<0.5	
Dichloromethane [1]	<0.5	
Ethylbenzene [1]	<0.5	
Styrene [1]	<0.5	
Tetrachloroethylene [1]	<0.5	
Toluene [1]	<0.5	
1,2,4-Trichlorobenzene [1]	<0.5	
1,1,1-Trichloroethane [1]	<0.5	
1,1,2-Trichloroethane [1]	<0.5	
Trichloroethylene [1]	<0.5	
Vinyl chloride [1]	<0.5	
Xylenes (total) [1]	<0.5	

Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier
Chloroform	2.9	
Bromodichloromethane	11	
Dibromochloromethane	24	
Bromoform	16	
Dibromomethane	<1.0	
1,3-Dichlorobenzene	<1.0	
1,1-Dichloropropene	<1.0	
1,1-Dichloroethane	<1.0	
1,1,2,2-Tetrachloroethane	<1.0	G
1,3-Dichloropropane	<1.0	
Chloromethane	<2.0	
Bromomethane	<2.0	
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	

Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
1,2,4-Trimethylbenzene	<1.0	
1,2,3-Trichlorobenzene	<1.0	
n-Propylbenzene	<1.0	
n-Butylbenzene	<1.0	
Naphthalene	<1.0	
Hexachlorobutadiene	<1.0	
1,3,5-Trimethylbenzene	<1.0	
4-Isopropyltoluene	<1.0	
Isopropylbenzene	<1.0	
t-Butylbenzene	<1.0	
s-Butylbenzene	<1.0	
Trichlorofluoromethane	<2.0	
Dichlorodifluoromethane	<2.0	
Bromochloromethane	<1.0	

Other Compounds	Result	Qualifier
Acetone	<10	G
Acrylonitrile	<10	
2-Butanone (MEK)	<10	
Carbon disulfide	<1.0	
Ethyl methacrylate	<1.0	
2-Hexanone	<1.0	
Iodomethane	<5.0	
Methyl methacrylate	<1.0	
4-Methyl-2-pentanone (MIBK)	<2.0	
Methyl-t-butyl ether (MTBE)	<0.5	
Tetrahydrofuran	<5.0	

Comments:

G - CCV/LFB recovery was below method acceptance limits.

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 Group Manager TDUNN on 08/12/2022

PWS_____CO_____BWN

Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: Issue Boil Water Notice

Public Water System (PWS) name: Gulf Coast Water Authority

PWS ID: 0840153 Date of Incident/Violation: 02/04/22

Area Affected: ☐ Entire PWS ☐ Other Area: _____

Reason(s) issued: (indicate "☒"all applicable circumstances; 30 TAC 290.46 (q))

- ☒ Low distribution pressures (<20psi)
- ☐ Water outage
- ☐ *E. coli* or fecal positive microbiological sample(s)
- ☐ Failure to maintain adequate chlorine residuals
- ☐ Elevated finished water turbidities (Surface Water Treatment Rule)
- ☐ Line Break
- ☐ Other: _____

30 TAC 290.46(q)(1) requires that your PWS make an adequate, good-faith effort to reach all consumers served by the system by appropriate methods (check all below that apply):

COMMUNITY WATER SYSTEM (perform one or more of the following):

- ☐ Furnish a copy of the Notice to radio and television stations serving the PWS service area
- ☐ Publish Notice in a local newspaper serving the PWS service area
- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☒ Electronic delivery or alert systems (e.g., reverse 911)

NONCOMMUNITY WATER SYSTEM (perform one or more of the following):

- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☐ Electronic delivery or alert systems (e.g., reverse 911)

In accordance with 30 TAC §290.122(g), all public water systems that are required to issue public notice to persons in accordance with 30 TAC §290.122, and that sell or otherwise provide drinking water to other public water systems (i.e., consecutive systems), shall provide public notice to the owner or operator of the consecutive systems.

☐ This PWS provides water to consecutive systems and those systems have been provided public notice.

Notice to Consecutive Systems was delivered on: _____(date)
by the following means: _____

_____

Note: Please include a listing of consecutive systems notified in Comments or attach.
Comments: _____

_____

_____

PWS_____CO_____BWN

Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: Issue Boil Water Notice

Public Water System (PWS) name: Gulf Coast Water Authority

PWS ID: 0840153 Date of Incident/Violation: 02/04/22

Area Affected: ☐ Entire PWS ☐ Other Area: _____

Reason(s) issued: (indicate "☒"all applicable circumstances; 30 TAC 290.46 (q))

- ☒ Low distribution pressures (<20psi)
- ☐ Water outage
- ☐ *E. coli* or fecal positive microbiological sample(s)
- ☐ Failure to maintain adequate chlorine residuals
- ☐ Elevated finished water turbidities (Surface Water Treatment Rule)
- ☐ Line Break
- ☐ Other: _____

30 TAC 290.46(q)(1) requires that your PWS make an adequate, good-faith effort to reach all consumers served by the system by appropriate methods (check all below that apply):

COMMUNITY WATER SYSTEM (perform one or more of the following):

- ☐ Furnish a copy of the Notice to radio and television stations serving the PWS service area
- ☐ Publish Notice in a local newspaper serving the PWS service area
- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☒ Electronic delivery or alert systems (e.g., reverse 911)

NONCOMMUNITY WATER SYSTEM (perform one or more of the following):

- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☐ Electronic delivery or alert systems (e.g., reverse 911)

In accordance with 30 TAC §290.122(g), all public water systems that are required to issue public notice to persons in accordance with 30 TAC §290.122, and that sell or otherwise provide drinking water to other public water systems (i.e., consecutive systems), shall provide public notice to the owner or operator of the consecutive systems.

☐ This PWS provides water to consecutive systems and those systems have been provided public notice.

Notice to Consecutive Systems was delivered on: _____(date)
by the following means: _____

_____

Note: Please include a listing of consecutive systems notified in Comments or attach.
Comments: _____

_____

_____

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

NOTE: 30 TAC 290.46(q)(6)(F) requires the PWS to provide documentation to the Executive Director within 10 days.

Date of Delivery to Customers: 02/05/22 Phone: 281-967-1917

Certified by: (print name): Tony Garcia Title: WATER TREATMENT PLANT SUPERINTENDENT

Signature: Antonio G Garcia Date: 02/08/22

E-mail (PWSBWN@tceq.texas.gov) or mail a copy of this completed form, AND copies of the Boil Water Notice given to your customers to: TCEQ – Water Supply Division MC – 155, Attn: Public Notice. P. O. Box 13087 Austin, TX 78711-3087