

# **Consumer Confidence Report 2022**





## **CCR Summary Data 2022**

	20	22 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					



## **CCR Summary Data 2022**

2022 Chlorite Data							
	es						
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 Chlori	ne 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				

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 WA	ATER AUTHORITY	TX CITY			PLANT NAME OR NUMBER:		NTP - THOMAS MA	CKEY WTP - E	RAZOS	
PWS ID No.:	00/0/50					hay am familiar with th	e information cont	fed in this report and	that,		
Plant ID No.:	0840153 14813	::::::::::::::::::::::::::::::::::::::	Operator's Si	ignature:	to the be	et of myknowledge, the	e jotormation is jour	complete, and accur	ate.		
Report for			•		-6	www.x	1				
the Month of:	January 2022		Certificate No	o. & Grade:	WO0041	1290, A		Date:	February 8	, 2022	
			Т	REATMENT	PLANT I	PERFORMANCE					
1	f turbidity readings		186			our periods when				0	
4	ings above 0.10 NT ings above 0.3 NTI					our periods when lata was not collect		ie		0	
Number of read	ings above 0.5 NT	U:	0		_	ys when plant was					
	ings above 1.0 NTL		0			filter turbidity data		ted:		0	
	able turbidity level		0.3			s with readings ab				0 (2)	
	eadings above this		0.0 % (			s with readings ab				0 (3)	
Number of days for no more than	n 4.0 consecutive h	nours:	0			activation for Giard activation for virus				<u>1.97</u> 64.61	
Number of days	with a low CT					s when profiling d		ected:		0	
for more than 4.	0 consecutive hour	rs:	0 (4)			s when CT data wa				0	
1	ectant residual requ		lant:		0.5 mg/L,	measured as Tota	l Chlorine				
	with a low residua 4.0 consecutive h			Min	imum pH ir	the last disinfection	on zone:			7.10	
			0			s with pH below 7.6		nfection zone:	***************************************	0.00	
	with a low residua			Nun	ber of day	s when disinfectan	t residual				
for more than 4.0	onsecutive nour	rs:	0] (5)	leav	ing the plan	nt was not properly	monitored:			0	
for more than 4.0	o consecutive nour		0 (5)			nt was not properly	/ monitored:			0	
No. (1 - Apply 1997)				DISTRI	BUTION	SYSTEM					
Minimum disinfect	ant residual requir	red in distribution s	system:	DISTRI	BUTION \$					0	
No. (1 - Apply 1997)	ant residual requir	red in distribution s	system:	DISTRI	BUTION ( 0.5 mg/L, ired) (8)	SYSTEM	l Chlorine	onth:		0 0.0  % (6A)	
Minimum disinfect Total number of re Average disinfecta Number of reading	ant residual requir adings this month: int residual value: is with a low residu	red in distribution s:	system: 186 (at 3.12	DISTRI least 120 requ Perc	BUTION S 0.5 mg/L, ired) (8) entage of r	SYSTEM measured as Total readings with a low	Chlorine			0.0] % (6A)	
Minimum disinfect Total number of re Average disinfecta	ant residual requir adings this month: int residual value: is with a low residu	red in distribution s:	system: 186 (at 3.12	DISTRI least 120 requ Perc	BUTION S 0.5 mg/L, ired) (8) entage of r	SYSTEM measured as Total	Chlorine				
Minimum disinfect Total number of re Average disinfecta Number of reading	ant residual requir adings this month: int residual value: is with a low residu	red in distribution s:	system: 186 3.12 0 0	DISTRI least 120 requ Perc	BUTION S  0.5 mg/L,  ired) (8)  entage of r	SYSTEM measured as Total readings with a low	Chlorine residual this m			0.0] % (6A)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading	tant residual required adings this month: int residual value: is with a low residu is with no detectab	red in distribution s : ual: uale residual:	system: 186 3.12 0 0	DISTRI least 120 requ Perc Perc	BUTION ( 0.5 mg/L, ilred) (8) entage of r entage of r	SYSTEM measured as Total readings with a low	I Chlorine residual this m residual last m	onth:		0.0] % (6A)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde	ant residual requir adings this month: int residual value: is with a low residu is with no detectab indum (Public Notic (s) for individual fil	red in distribution s : ual: ule residual: ces) is not required	ADD because there	DISTRI least 120 requ Perc Perc	BUTION 8  0.5 mg/L, ired) (8) entage of r entage of r PORTS 8	SYSTEM  measured as Total readings with a low readings with a low Readings with a low	I Chlorine residual this m residual last m S	onth:		0.0] % (6A)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	ant residual requir adings this month: int residual value: is with a low residu is with no detectab indum (Public Notic (s) for individual fil (s) for individual fil	red in distribution s:  ual: ule residual:  ces) is not required liter monitoring req	ADD because there	DISTRI  least 120 requ  Pero  Pero  ITIONAL RE	BUTION ( 0.5 mg/L, ilred) (8) entage of r entage of r PORTS &	SYSTEM  measured as Total readings with a low eadings with a low  WORKSHEETS nique or monitoring	I Chlorine residual this m residual last m S g/reporting viole	onth: ations reported.	_	0.0 % (6A) 0.0 % (6B)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	ant residual requir adings this month: int residual value: is with a low residu is with no detectab indum (Public Notic (s) for individual fil	red in distribution s:  ual: ule residual:  ces) is not required liter monitoring req	ADD because there	Perco	BUTION ( 0.5 mg/L, ilred) (8) entage of r entage of r PORTS &	measured as Total readings with a low readings with a low WORKSHEETS rique or monitoring Filter Profile	I Chlorine residual this m residual last m S g/reporting viole	onth: ations reported. ter Assessment	_	0.0 % (6A) 0.0 % (6B)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	ant residual requir adings this month: int residual value: is with a low residu is with no detectab indum (Public Notic (s) for individual fil (s) for individual fil	red in distribution s:  ual: ule residual:  ces) is not required liter monitoring req	ADD because there	Perco	BUTION ( 0.5 mg/L, ilred) (8) entage of r entage of r PORTS &	measured as Total readings with a low readings with a low WORKSHEETS rique or monitoring Filter Profile	I Chlorine residual this m residual last m S g/reporting viole	onth: ations reported. ter Assessment	_	0.0 % (6A) 0.0 % (6B)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	ant residual requir adings this month: int residual value: is with a low residu is with no detectab indum (Public Notic (s) for individual fil (s) for individual fil	red in distribution s:  ual: ule residual:  ces) is not required liter monitoring req	ADD because there	PercolitionAL RE	BUTION S  mg/L, fired) (8) entage of r  entage of r  PORTS 8 ment technile   E	measured as Total readings with a low readings with a low WORKSHEETS rique or monitoring Filter Profile	I Chlorine residual this m residual last m S  g/reporting viola  Fil	onth: ations reported. ter Assessment	_	0.0 % (6A) 0.0 % (6B)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional IF	ant residual requir adings this month: int residual value: is with a low residual is with no detectable andum (Public Notic (s) for individual fil (s) for individual fil E Reports are requ	red in distribution s : ual: ole residual: ces) is not required liter monitoring req liter monitoring subuired this month.  Maximum turbidi	ADD  ADD  because there  puired:  STATIS  system:  (at 3.12 0 0 0  ADD  ADD  STATIS	DISTRI  least 120 requ Perc  Perc  ITIONAL RE  e were no trea  NON  NON  TICAL ANAI	BUTION S  0.5 mg/L, fired) (8) entage of r  entage of r  PORTS & ment technic E	measured as Total readings with a low eadings with a low WORKSHEETS nique or monitoring Filter Profile Filter Profile (9)	residual this mare residual last	onth: ations reported. ter Assessment	D) O	0.0 % (6A) 0.0 % (6B)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Addel Additional report Additional report No additional IF	ant residual requir adings this month: int residual value: is with a low residual is with no detectab andum (Public Notice (s) for individual file (s) for individual file E Reports are require	red in distribution s :  ual:  ule residual:  ces) is not required liter monitoring req liter monitoring subuired this month.  Maximum turbidi Minimum turbidi	ADD  ADD  because there guired: comitted:  STATIS  fity reading: ty reading:	DISTRI  least 120 requ Perc  Perc  ITIONAL RE  e were no treat  NON  TICAL ANAI  1. 0.	BUTION S  0.5 mg/L, ired) (3) entage of r entage of r  PORTS 8 ment technic E	measured as Total readings with a low eadings with a low WORKSHEETS nique or monitoring Filter Profile Filter Profile (9)	residual this mesidual last me	onth: ations reported. ter Assessment ter Assessment (10	(a)	0.0 % (6A)  0.0 % (6B)  CPE CPE (11)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF	cant residual requiradings this month: Intresidual value: Is with a low residual with no detectable Indum (Public Notice (s) for individual file (e) for individual file E Reports are requirated.  Water Ical Inary	red in distribution s:  ual:  ual:  ole residual:  ces) is not required  Iter monitoring req  Iter monitoring subuired this month.  Maximum turbidi  Minimum turbidi  95 <sup>th</sup> percentile va	ADD because there guired:  STATIS  ity reading: ty reading: ty reading: tilue:	Percontrol Indiana Percontrol In	BUTION S  0.5 mg/L, ilred) (8) entage of r  entage of r  PORTS & ment technic E	measured as Total readings with a low eadings with a low WORKSHEETS nique or monitoring Filter Profile Filter Profile (9)	residual this meresidual last mesidual last	onth:  Itions reported. Iter Assessment (1)		0.0 % (6A)  0.0 % (6B)  CPE CPE (11)	
Minimum disinfect Total number of re Average disinfecta Number of reading Number of reading The Page 1 Addel Additional report Additional report No additional IF	cant residual requiradings this month: int residual value: is with a low residual with no detectable andum (Public Notice (s) for individual file (s) for individual file E Reports are requirated. Water idical inary	red in distribution s :  ual:  ule residual:  ces) is not required liter monitoring req liter monitoring subuired this month.  Maximum turbidi Minimum turbidi	ADD  ADD  because there  puired:  sty reading: ty reading: the reading:	DISTRI  least 120 requ Perc  Perc  ITIONAL RE  e were no trea  NON  NON  TICAL ANAI  1. 0. 0.	BUTION S  0.5 mg/L, ired) (3) entage of r entage of r  PORTS 8 ment technic E	measured as Total readings with a low eadings with a low WORKSHEETS nique or monitoring Filter Profile Filter Profile (9)	residual this meresidual last mesidual last	onth:  Itions reported. Iter Assessment (10  Iter A		0.0 % (6A)  0.0 % (6B)  CPE CPE (11)	

SURFACE WATER MONTHLY OPERATING REPORT

0.14 NTU 0.04 NTU

0.08 NTU
STATISTICAL ANALYSIS OF pH DATA

7.30 pH

7.10 pH

7.30 pH

Maximum CFE turbidity reading:

Minimum CFE turbidity reading:

95<sup>th</sup> percentile CFE value:

Maximum pH reading:

Minimum pH reading:

95<sup>th</sup> percentile value:

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

CFE

Stastical

Summary

Last Zone pH

Stastical

Summary

0.06 NTU

0.011 NTU

7.22 pH

0.054 pH

Average CFE turbidity value:

Standard deviation:

Average pH value:

Standard deviation:

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:	SWITE . THE	MAS MAC	KEY WTP - BRAZOS
oronam mana.		TOTAL TROPP	l c	rtify that I am familiar with the in			
PWS ID No.:	0840153			he best of my knowledge, the	promption is for tomplete	and accurat	e.
Plant ID No.: Report for	14813	Operator's Signat	ure:	Merry	/ Willin	~	
the Month of:	February 2022	Certificate No. & C	Grade: W	00041290, A	·// // // // // // // // // // // // //	Date:	March 8, 2022
		TREA	TMENT PLA	NT PERFORMANCE	<b>建</b>	No. 155	
Total number of	f turbidity readings:	168	Number	of 4-hour periods when plant	ant was off-line:		0
	ings above 0.10 NTU:	144		of 4-hour periods when plant			
	ings above 0.3 NTU: ings above 0.5 NTU:	1		lity data was not collected of days when plant was or			0
	ings above 1.0 NTU:	0		dual filter turbidity data w			0
Maximum allow	able turbidity level:	0.3	Number	of days with readings above	ve 1.0 NTU:		0 (2)
Percentage of re	eadings above this limit	: 0.6 % (1)	Number	f days with readings above	ve 5.0 NTU:		0 (3)
Number of days			Average	og Inactivation for Giardia	a:		2.17
	n 4.0 consecutive hours	. 0		og inactivation for viruses			58.54
Number of days	with a low CT 0 consecutive hours:	0 (4)		f days when profiling data f days when CT data was			0
	ectant residual required						
	with a low residual	leaving the plant.		ng/L, measured as Total (			0.04
	with a low residual 4.0 consecutive hours	: 0		pH in the last disinfection			6.94
Number of days	with a low residual			f days with pH below 7.0 i		zone:	3.00
	0 consecutive hours:	0 (5)		f days when disinfectant r e plant was not properly n			0
			DISTRIBUT	ON OVOTEN	The state of the s	ENAIL CARE	
				ON SYSTEM	Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	e to keep	the second secon
Total number of re	ant residual required in		0.5 r (t 120 required	ig/L, measured as Total C	Chlorine		
Average disinfecta		3.09		e of readings with a low re	esidual this month:		0.0 % (6A)
Number of reading	s with a low residual:	0		-			
Number of reading	s with no detectable re	sidual: 0	Percentag	e of readings with a low re	esidual last month:		0.0 % (6B)
		ADDITIO	NAL REPOR	TS & WORKSHEETS			
The Page 1 Adde	ndum (Public Notices) i	s not required because there we	e no treatment	technique or monitoring/r	reporting violations rep	orted.	
	(s) for individual filter n		NONE	O Filter Profile	O Filter Asses		O CPE
	(s) for individual filter n		NONE	O Filter Profile (9)	O Filter Asses	sment (10	) O CPE (11)
No additional II	E Reports are required	this month.					
							Control of the contro
			THE PERSON NAMED IN COLUMN TWO	S OF TURBIDITY DAT	CHECKSON STREET		
Settled Stast		ximum turbidity reading: nimum turbidity reading:	1.58 N 0.31 N		Average turbidity v Štandard deviation		0.73 NTU 0.274 NTU
Sumr		h percentile value:	1.22 N		Station a deviation		U.274 N10
IF	E Ma	ximum IFE turbidity reading:	0.69 N	TU	Average IFE turbid	ity value:	0.24 NTU
Stast	tical Mir	imum IFEturbidity reading:	0.09 N	TU .	Standard deviation		UTM <u>ee0.0</u>
Sumr	nary 95 <sup>th</sup>	<sup>h</sup> percentile IFÉ value:	0.46 N	ับ			
CF	SUBJECT PROSE	ximum CFE turbidity reading:	0.53 N		Average CFE turbio	7.0	0.14 NTU
Stast Sumr	A-101 CA 100 CA	nimum CFE turbidity reading:  h percentile CFE value:	0.08 N		Standard deviation	:	0.044 NTU
		STATIS	TICAL ANAL	YSIS OF pH DATA			THE RESERVE OF THE PARTY OF THE

SURFACE WATER MONTHLY OPERATING REPORT

Average pH value:

Standard deviation:

7.43 pH

6.94 pH

7.42 pH

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

Last Zone pH

Stastical

Summary

Maximum pH reading:

Minimum pH reading:

95th percentile value:

7.18 pH

0.156 pH

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	Y TX CITY		PLANT NAME OR NUMBER:	SWTP - THOMAS MAC	KEY WTP - BRAZOS
PWS ID No.:	0840153				rmation contained in this report and the mation is true complete, and accurate	
Plant ID No.:	14813	Operator's Signature		term.	Tam,	<u> </u>
Report for the Month of:	March 2022	Certificate No. & Grad	de: WO00412	290, A	Date:	April 8, 2022
1 6 1 CH 1		TREATM	IENT PLANT P	ERFORMANCE		
Total number of	f turbidity readings:	186	Number of 4-ho	our periods when plant	was off-line:	0
	ings above 0.10 NTU: ings above 0.3 NTU:	<u>127</u> 0		our periods when plant	was on-tine	
Number of readi	ings above 0.5 NTU:	0		ita was not collected: s when plant was on-li	ne	0
	ings above 1.0 NTU:	0	but individual f	ilter turbidity data was	not collected:	0
1	able turbidity level:	0.3		s with readings above		0 (2)
	eadings above this limit:	0.0] % (1)	Number of days	s with readings above !	5.0 NTU:	0 (3)
Number of days for no more than	with a low CT n 4.0 consecutive hours:	0		ctivation for Giardia: ctivation for viruses:		2.82
Number of days				when profiling data w	ras not collected:	82.94 0
	0 consecutive hours:	0 (4)		when CT data was no		0
Minimum disinfe	ectant residual required leaving the	plant:	0.5 mg/L,	measured as Total Chl	orine	
	with a low residual		Minimum pH in	the last disinfection zo	one:	6.90
	4.0 consecutive hours:	0	Number of days	with pH below 7.0 in t	he last disinfection zone:	2.00
	with a low residual ) consecutive hours:	0 (5)		when disinfectant resit was not properly mor		0
			reaving the plan	t trae not properly mor	morea.	
CONTRACTOR AND ADDRESS OF THE PARTY OF THE P						
	Blacket Blacket William		STRIBUTION S	YSTEM		
	ant residual required in distribution	system:	0.5 mg/L, r	YSTEM measured as Total Chic	orine	
Minimum disinfects Total number of res Average disinfecta	adings this month:	system:186 (at least 12	0.5 mg/L, r 0 required) (8)	neasured as Total Chic		0.01% (6A)
Total number of rea Average disinfectar	adings this month:	system:	0.5 mg/L, r 0 required) (8)			0.0 % (6A)
Total number of rea Average disinfectar Number of readings	adings this month: nt residual value:	system: 186	0.5 mg/L, r 0 required) (8) Percentage of re	neasured as Total Chic	dual this month:	0.0 % (6A) 0.0 % (6B)
Total number of rea Average disinfectar Number of readings	adings this month: nt residual value: s with a low residual:	system:    186	0.5 mg/L, r 0 required) (8) Percentage of re	neasured as Total Chlo	dual this month:	
Total number of rea Average disinfectan Number of readings Number of readings	adings this month: nt residual value: s with a low residual: s with no detectable residual:	system:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS &	measured as Total Chlo adings with a low resion adings with a low resion WORKSHEETS	dual this month: dual last month:	
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report(	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re	system:  186 3.13 0 0 ADDITIONA ad because there were no quired:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & o treatment technic	measured as Total Chlo adings with a low resion adings with a low resion WORKSHEETS	dual this month: dual last month:	
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report(	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re	system:  186 3.13 0 0 ADDITIONA ad because there were no quired:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & o treatment techni ) NONE	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS que or monitoring/repo	dual this month: dual last month: orting violations reported.	0.0 % (6B)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report(	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re	system:  186 3.13 0 0 ADDITIONA ad because there were no quired:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & o treatment techni ) NONE	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS que or monitoring/repo Filter Profile	dual this month:  dual last month:  orting violations reported.  Ortine Filter Assessment	0.0 % (6B)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report(	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re	system:  186 3.13 0 0 ADDITIONA ad because there were no quired:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & o treatment techni ) NONE	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS que or monitoring/repo Filter Profile	dual this month:  dual last month:  orting violations reported.  Ortine Filter Assessment	0.0 % (6B)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report(	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re	system:  186 3.13 0 0 0 ADDITIONA d because there were no quired: shmitted:	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & treatment techni NONE	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS que or monitoring/repo Filter Profile	dual this month:  dual last month:  orting violations reported.  Ortine Filter Assessment	0.0 % (6B)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report( No additional IF	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for Individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.	system:  186 3.13 0 0 0 ADDITIONA d because there were no quired: shmitted:  STATISTICAL	0.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & treatment techni NONE	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS Ique or monitoring/repo- Filter Profile Filter Profile (9)	dual this month:  dual last month:  orting violations reported.  Ortine Filter Assessment	0.0 % (6B)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional IF No additional IF	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.	system:  186 3.13 0 0 0  ADDITIONA d because there were not quired: shmitted:  STATISTICAL dity reading: lity reading: lity reading:	O.5 mg/L, r required) (8) Percentage of re Percentage of re L REPORTS & O treatment techni NONE OF NONE OF	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS Ique or monitoring/repo- Filter Profile Filter Profile (9)	dual this month: dual last month: orting violations reported.  Ortine Assessment Ortiter Assessment (10)	0.0 % (6B)  CPF CPE (11)
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report( No additional IF)  Settled 1 Stasti Summ	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water lical mary  Maximum turbid 95 <sup>th</sup> percentile v	system:  186 3.13 0 0 0  ADDITIONA d because there were not quired: shmitted:  STATISTICAL dity reading: lity reading: alue:	O.5 mg/L, r 0 required) (8) Percentage of re Percentage of re L REPORTS & o treatment techni ) NONE O F  ANALYSIS OF  O.79 NTU O.21 NTU	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS Ique or monitoring/repo- Filter Profile Filter Profile (9)	dual this month: dual last month:  orting violations reported.  Orting violations reported.  Filter Assessment  Orting violations reported.  Average turbidity value: Standard deviation:	0.0 % (6B)  CPF CPE (11)  0.37 NTU 0.135 NTU
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report( No additional IF  Settled to Stasti Summ  IFE Stasti	adings this month:  nt residual value: s with a low residual: s with no detectable residual:  adum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water Maximum turbid 95 <sup>th</sup> percentile v  Maximum IFE tu Minimum IFE tu	system:  186 (at least 126 3.13 0 0 0  ADDITIONA de because there were not quired: shmitted:  STATISTICAL dity reading: lity reading: alue: arbidity reading:	O.5 mg/L, r required) (8) Percentage of re Percentage of re L REPORTS & O treatment techni NONE OF NONE OF	measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS Ique or monitoring/repo- Filter Profile Filter Profile (9)	dual this month: dual last month:  orting violations reported.  Filter Assessment  Filter Assessment (10)  Average turbidity value:	0.0] % (6B)  O CPF O CPE (11)  0.37 NTU 0.135 NTU
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report( No additional IF)  Settled to Stastif Summ	adings this month:  nt residual value: s with a low residual: s with no detectable residual:  adum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water Maximum turbid 95 <sup>th</sup> percentile v  Maximum IFE tu Minimum IFE tu	system:  186 3.13 0 0 0  ADDITIONA d because there were not quired: shmitted:  STATISTICAL dity reading: lity reading: alue: urbidity reading: bidity reading: bidity reading: bidity reading:		measured as Total Chic adings with a low resid adings with a low resid WORKSHEETS Ique or monitoring/repo- Filter Profile Filter Profile (9)	dual this month: dual last month:  orting violations reported.  Filter Assessment  Filter Assessment (10)  Average turbidity value: Standard deviation:  Average IFE turbidity value:	0.0 % (6B)  CPF CPE (11)  0.37 NTU 0.135 NTU
Total number of rea Average disinfectal Number of readings Number of readings The Page 1 Adder Additional report( Additional report( No additional IF  Settled to Stasti Summ  IFE Stasti	adings this month:  nt residual value: s with a low residual: s with no detectable residual: s with no detectable residual:  adum (Public Notices) is not require (s) for Individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water  Maximum turbid (al) Minimum turbid (asry) Maximum IFE tu Minimum IFEtur (asry) Maximum CFE te	system:  186 (at least 126 3.13 0 0 0  ADDITIONA de because there were not quired: shmitted:  STATISTICAL dity reading: lity reading: alue: urbidity reading: bidity reading: bidity reading: bidity reading: control of the property of the p	O.5 mg/L, r orequired) (8) Percentage of re Percentage of re L REPORTS & otreatment techni NONE OF NONE OF  ANALYSIS OF  0.79 NTU 0.62 NTU 0.34 NTU 0.09 NTU	measured as Total Chicadings with a low resident addings with a low resident worksheets  que or monitoring/repositer Profile Filter Profile	dual this month: dual last month:  orting violations reported.  Filter Assessment  Filter Assessment (10)  Average turbidity value: Standard deviation:  Average IFE turbidity value:	0.0] % (6B)  O CPF O CPE (11)  0.37 NTU 0.135 NTU

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

Average pH value:

Standard deviation:

STATISTICAL ANALYSIS OF pH DATA

7.30 pH

6.90 pH

7.25 pH

Last Zone pH

Stastical

Summary

95<sup>th</sup> percentile CFE value:

Maximum pH reading:

Minimum pH reading:

95<sup>th</sup> percentile value:

7.11 pH

0.096 pH

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

SYSTEM NAME:	GULF COAST WATER	AUTHORITY TX CITY			PLANT NAME OR NUMBER:	SWTP - THOMAS MA	ACKEY WTP - BRAZOS	
PWS ID No.:	0840153			I certify to the b	that I am familiar with the inf	ormation contained in this report and	i that, rate.	
Plant ID No.:	14813	Operator	's Signature:		leterus &	Mari		
Report for the Month of:	April 2022	Certifica	te No. & Grade:	WO004	1290, A	Date:	May 4, 2022	
			TREATMENT	PLANT	PERFORMANCE			
Total number of	f turbidity readings:	180	Nui	mber of 4	hour periods when plan	nt was off-line:	0	1
	lings above 0.10 NTU: lings above 0.3 NTU:	170 0			hour periods when plai data was not collected:		0	
Number of read	ings above 0.5 NTU:	0	Nur	mber of d	ys when plant was on-	line		
	lings above 1.0 NTU:	0			filter turbidity data wa		0	
	able turbidity level: eadings above this limit	0.3 t: 0.0			ys with readings above ys with readings above		0 (2)	
Number of days	with a low CT	b-on-Thicknessed			nactivation for Giardia:		4.10	
1	n 4.0 consecutive hours	s: <u>0</u>	Ave	rage log i	nactivation for viruses:		126.37	
Number of days for more than 4.	with a low CT 0 consecutive hours:	0			ys when profiling data ys when CT data was n		0	
Minimum disinfe	ectant residual required	l leaving the plant:		0.5 mg/l	, measured as Total Cl	hlorine		
	with a low residual		Mini	lmum pH	n the last disinfection a	zone:	6.80	
	n 4.0 consecutive hours	. 0				the last disinfection zone:	6.00	
	with a low residual 0 consecutive hours:	0			ys when disInfectant re ant was not properly m		0	
			DISTRI	BUTION	SYSTEM		SARSAT PARAMETER	
Minimum disinfect	tant residual required in		The standard of the standard o		SYSTEM , measured as Total Ch	Islam de la company	(B) (B) (B) (B) (B) (B)	
Total number of re	eadings this month:	n distribution system:	(at least 120 requ	0.5 mg/L iired) (8	, measured as Total Ch	alorine	0.01 % (6A)	
Total number of re Average disinfecta	eadings this month:	n distribution system:	(at least 120 requ	0.5 mg/L iired) (8	, measured as Total Ch	alorine	0.0 % (6A)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value:	180 3.17 0	(at least 120 requ	0.5 mg/L lired) (8 entage of	, measured as Total Ch	alorine sidual this month:	0.0 % (6A)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value: gs with a low residual:	n distribution system:	(at least 120 requ Perc Perc	0.5 mg/L lired) (8 entage of entage of	, measured as Total Ch ) readings with a low res	alorine sidual this month:		
Total number of re Average disinfecta Number of reading Number of reading	eadings this month: ant residual value: gs with a low residual: gs with no detectable re	n distribution system:	(at least 120 requ Perc Perc	0.5 mg/L lired) (8 lentage of entage of	measured as Total Ch ) readings with a low res readings with a low res & WORKSHEETS	alorine sidual this month:		
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable re endum (Public Notices) t(s) for individual filter r	n distribution system:  180 3.17 0 sidual: 0	(at least 120 requested for the second secon	0.5 mg/L uired) (8 centage of centage of	, measured as Total Ch ) readings with a low res readings with a low res  **WORKSHEETS unique or monitoring/re Filter Profile	alorine sidual this month: sidual last month: porting violations reported.  Filter Assessment	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable re endum (Public Notices) t(s) for individual filter r	n distribution system:  180 3.17 0 sidual: 0  is not required because monitoring required: monitoring submitted:	(at least 120 requested for the second secon	0.5 mg/L uired) (8 centage of centage of	, measured as Total Ch ) readings with a low res readings with a low res & WORKSHEETS unique or monitoring/re	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable re endum (Public Notices) t(s) for individual filter r	n distribution system:  180 3.17 0 sidual: 0  is not required because monitoring required: monitoring submitted:	(at least 120 requested for the second secon	0.5 mg/L uired) (8 centage of centage of	, measured as Total Ch ) readings with a low res readings with a low res  **WORKSHEETS unique or monitoring/re Filter Profile	alorine sidual this month: sidual last month: porting violations reported.  Filter Assessment	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable re endum (Public Notices) t(s) for individual filter r	n distribution system:  180 3.17 0 sidual: 0  is not required because monitoring required: monitoring submitted:	(at least 120 requested for the second secon	0.5 mg/L uired) (8 centage of centage of	, measured as Total Ch ) readings with a low res readings with a low res  **WORKSHEETS unique or monitoring/re Filter Profile	alorine sidual this month: sidual last month: porting violations reported.  Filter Assessment	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable re endum (Public Notices) t(s) for individual filter r	n distribution system:  180 3.17 0 sidual: 0   A is not required because monitoring required: monitoring submitted: I this month.	(at least 120 required Percond DDITIONAL REsthere were no treation NON	0.5 mg/L irred) (8 irred)	, measured as Total Ch ) readings with a low res readings with a low res  **WORKSHEETS unique or monitoring/re Filter Profile	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional li	eadings this month: ant residual value: gs with a low residual: gs with no detectable re endum (Public Notices) t(s) for individual filter r FE Reports are required I Water Ma	n distribution system:  180 3.17 0 sidual: 0  A is not required because monitoring required: monitoring submitted: it this month.	(at least 120 requested for the second secon	0.5 mg/L iired) (8 ientage of centage of centage of tentage of tentage of	, measured as Total Ch ) readings with a low res readings with a low res  **EWORKSHEETS inique or monitoring/re Filter Profile Filter Profile (9)	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)  O CPE  O CPE (11)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional II	eadings this month: ant residual value: gs with a low residual: gs with no detectable re endum (Public Notices) i t(s) for individual filter r t(s) for individual filter r ER Reports are required	n distribution system:    180     3.17     0     sidual: 0     Is not required because monitoring required: monitoring submitted: it this month.	(at least 120 requested Percondition of the Pe	0.5 mg/L uired) (8 eentage of eentage of eentage of the entage of eentage of eentage of eentage of eentage of eentage of	, measured as Total Ch ) readings with a low res readings with a low res  **EWORKSHEETS inique or monitoring/re Filter Profile Filter Profile (9)	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)  O CPE  O CPE (11)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional If Settled Stas Sumr	eadings this month: ant residual value: gs with a low residual: gs with no detectable re endum (Public Notices) and the continual filter re for individual filter re for in	is not required because monitoring required: at this month.	(at least 120 requested for the requested for the results of the r	0.5 mg/L irred) (8 irred)	, measured as Total Ch ) readings with a low res readings with a low res  **EWORKSHEETS inique or monitoring/re Filter Profile Filter Profile (9)	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)  O CPE  O CPE (11)  O CPE (11)  O CPE (11)  O CPE (11)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional II	eadings this month: ant residual value: gs with a low residual: gs with no detectable re endum (Public Notices) t(s) for individual filter re t(s) for indiv	is not required because monitoring required: at this month.  STA eximum turbidity reading nimum turbidity reading nimum turbidity reading nimum IFE turbidity nimum IFE tu	(at least 120 requested Percontage of the Percon	O.5 mg/L LYSIS O O.1 NTU O.5 NTU	, measured as Total Ch ) readings with a low res readings with a low res  **EWORKSHEETS inique or monitoring/re Filter Profile Filter Profile (9)	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)  O CPE  O CPE (11)  O.29 NTU  O.205 NTU	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional li  Settled Stas Sumr	eadings this month: ant residual value: gs with a low residual: gs with no detectable re endum (Public Notices) at (s) for individual filter r at (s) for individual filter r be Reports are required  I Water Ma tical Mi mary 95°  E Ma tical Mi mary 95°	is not required because monitoring required: at this month.	(at least 120 requested Perconstruction Percon	0.5 mg/L  irred) (8  centage of  centage o	, measured as Total Ch ) readings with a low res readings with a low res  **EWORKSHEETS inique or monitoring/re Filter Profile Filter Profile (9)	alorine sidual this month: sidual last month: porting violations reported.	0.0 % (6B)  O CPE  O CPE (11)  O.29 NTU  O.205 NTU   O.12 NTU  O.042 NTU	

SURFACE WATER MONTHLY OPERATING REPORT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Average pH value:

Standard deviation:

STATISTICAL ANALYSIS OF pH DATA

7.50 pH

6.80 pH

7.31 pH

WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

Last Zone pH

Stastical

Summary

Maximum pH reading:

Minimum pH reading:

95<sup>th</sup> percentile value:

7.09 pH

0.150 pH

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 - THO	MAS MAC	KEY WTP - BRAZOS
PWS ID No.: Plant ID No.:	0840153 14813	Operator's Signature:	to the bes	at I am amiliar with the information my knowledge, the information of	nation contained in the	report and the	at, e.
Report for the Month of:	May 2022	Certificate No. & Grade:	WO0041	290, A		Date:	June 7, 2022
		TREATME	NT PLANT F	PERFORMANCE	8.8788		
	turbidity readings:		Number of 4-h	our periods when plant v	vas off-line:		0
Number of read	ings above 0.10 NTU: ings above 0.3 NTU: ings above 0.5 NTU: ings above 1.0 NTU:	0	but turbidity d Number of day	our periods when plant v ata was not collected: 's when plant was on-line filter turbidity data was n	9		0
Maximum allowa	able turbidity level:	0.3		s with readings above 1.			0 (2)
Percentage of re	eadings above this limit:	0.0 % (1)	Number of day	s with readings above 5.	ONTU:		0 (3)
Number of days for no more than Number of days	4.0 consecutive hours:	0	Average log in	activation for Giardia: activation for viruses: s when profiling data wa	s not collected:		5.14 153.81 0
for more than 4.0	0 consecutive hours:			s when CT data was not			0
	ectant residual required leaving the p	olant:	0.5 mg/L,	measured as Total Chlo	rine		
	with a low residual 4.0 consecutive hours:		linimum pH in	the last disinfection zon	e:		7.08
				with pH below 7.0 in the		cone:	0.00
	with a low residual consecutive hours:			s when disinfectant resid it was not properly moni			0
		DIST	RIBUTION S	SYSTEM	ALC: OF OR	3/2//201	
Total number of re Average disinfecta Number of reading	ant residual required in distribution adings this month: nt residual value: s with a low residual: s with no detectable residual:	186 (at least 120 re 3.06 Pe	equired) (8) ercentage of r	measured as Total Chlor eadings with a low residu eadings with a low residu	ual this month:		0.0 % (6A) 0.0 % (6B)
MARKET BETTER		ADDITIONAL I	REPORTS 8	WORKSHEETS			
Additional report Additional report	ndum (Public Notices) is not require (s) for individual filter monitoring red (s) for individual filter monitoring su E Reports are required this month.	d because there were no tr quired:	reatment techr	THE CONTRACTOR OF STREET	ting violations rep      Filter Asses      Filter Asses	sment	O CPE (11)
		STATISTICAL AN	IALYSIS OF	TURBIDITY DATA			
Settled Stast Sumn	ical Minimum turbid	lity reading:	0.81 NTU 0.08 NTU 0.31 NTU	,	Average turbidity v Standard deviation		0.19 NTU 0.094 NTU
IFF Stast Sumn	ical Minimum IFEtur	bidity reading:	0.14 NTU 0.05 NTU 0.12 NTU		lverage IFE turbidi Standard deviation		0.09 NTU 0.019 NTU
CF Stast Summ	ical Minimum CFE tu	rbidity reading:	0.14 NTU 0.07 NTU 0.13 NTU		verage CFE turbic tandard deviation		0.10 NTU 0.013 NTU
		STATISTICAL	ANALYSIS	OF pH DATA			
Last Zo	ne pH Maximum pH rea	ding:	7.26 pH	A	verage pH value:		7.17 pH

SURFACE WATER MONTHLY OPERATING REPORT

Standard deviation:

7.08 pH

7.25 pH

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

Stastical

Summary

Minimum pH reading:

95<sup>th</sup> percentile value:

0.047 pH

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 V	VATER AUTHORITY TX CITY	PLANT NAME OR NUMBER:	SWTP - THOMAS MAC	CKEY WTP - BRAZOS
PWS ID No.: 0840153  Plant ID No.: 14813  Report for	Operator's Signat	I certify that am familiar with the infor to the best of my knowledge, the infon ture:		
the Month of: June 2022	Certificate No. &	Grade: WO0041290, A	Date:	July 8, 2022
A POST CONTRACTOR OF THE PROPERTY OF THE PROPE	TREA	ATMENT PLANT PERFORMANCE		
Total number of turbidity reading		Number of 4-hour periods when plant	was off-line:	0
Number of readings above 0.10 Number of readings above 0.3 N		Number of 4-hour periods when plant	was on-line	2
Number of readings above 0.5 N		but turbidity data was not collected: Number of days when plant was on-lin	ne.	0
Number of readings above 1.0 N	TU: <u>0</u>	but individual filter turbidity data was		0
Maximum allowable turbidity lev	el: <u>0.3</u>	Number of days with readings above	1.0 NTU:	0 (2)
Percentage of readings above this	is limit: 0.0 % (1)	Number of days with readings above 5	5.0 NTU:	0 (3)
Number of days with a low CT		Average log inactivation for Giardia:		5.25
for no more than 4.0 consecutive	hours: 0	Average log inactivation for viruses:		158.33
Number of days with a low CT for more than 4.0 consecutive ho	urs: 0 (4)	Number of days when profiling data w Number of days when CT data was no		0
Minimum disinfectant residual re		0.5 mg/L, measured as Total Chl	- Viet - I	British
Number of days with a low residu	ıal	Minimum pH in the last disinfection zo		7.01
for no more than 4.0 consecutive		Number of days with pH below 7.0 in the		0.00
Number of days with a low residu				0.00
I Hullipel of days with a low residu	lai	Number of days when disinfectant resi	dual	
for more than 4.0 consecutive ho		Number of days when disinfectant resi leaving the plant was not properly mor		0
				0
for more than 4.0 consecutive ho	urs: 0 (5)	leaving the plant was not properly mor	aitored:	0
for more than 4.0 consecutive ho Minimum disinfectant residual requ Total number of readings this mont	urs: 0 (5)  ired in distribution system: h: 180 (at leas	DISTRIBUTION SYSTEM 0.5 mg/L, measured as Total Chlot 120 required) (8)	aitored: prine	
for more than 4.0 consecutive hor Minimum disinfectant residual requ Total number of readings this mont Average disinfectant residual value	ired in distribution system: h: 180 (at leas : 3.02	DISTRIBUTION SYSTEM  0.5 mg/L, measured as Total Chlor	aitored: prine	0.0 % (6A)
for more than 4.0 consecutive ho Minimum disinfectant residual requ Total number of readings this mont	ired in distribution system: h: 180 (at leas : 3.02 dual: 0	DISTRIBUTION SYSTEM 0.5 mg/L, measured as Total Chlot 120 required) (8)	orine dual this month:	
for more than 4.0 consecutive hor Minimum disinfectant residual requ Total number of readings this mont Average disinfectant residual value Number of readings with a low resid	ired in distribution system: h: 180 (at leas : 3.02 dual: 0 able residual: 0	leaving the plant was not properly mor  DISTRIBUTION SYSTEM  0.5 mg/L, measured as Total Chlot 120 required) (8)  Percentage of readings with a low residence of readings with a low reading with a l	orine dual this month:	0.0 % (6A)
for more than 4.0 consecutive how minimum disinfectant residual requested for the second security of the second sec	tired in distribution system:  h: 180 (at leas 3.02 dual: 0 shele residual: 0 ADDITIO	leaving the plant was not properly mor  DISTRIBUTION SYSTEM  0.5 mg/L, measured as Total Chlot 120 required) (8)  Percentage of readings with a low residence of readings with a low residence of the percentage of readings with a low residence of the percentage of readings with a low residence of the percentage of readings with a low residence of the percentage of the per	orine dual this month: dual last month:	0.0 % (6A)
for more than 4.0 consecutive how minimum disinfectant residual requested for the second security of the second sec	tired in distribution system:  h:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM  0.5 mg/L, measured as Total Chlot 120 required) (8)  Percentage of readings with a low residence of read	orine dual this month: dual last month:	0.0 % (6A)
for more than 4.0 consecutive hore Minimum disinfectant residual requestreated in the second of the	ired in distribution system:  h: 180 (at leas: 3.02 dual: 0 able residual: 0  ADDITIO tices) is not required because there wer filter monitoring required: filter monitoring submitted:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM  0.5 mg/L, measured as Total Chlor t 120 required) (8)  Percentage of readings with a low resid Percentage of readings with a low resid NAL REPORTS & WORKSHEETS  Te no treatment technique or monitoring/report	orine dual this month: dual fast month: porting violations reported.	0.0 % (6A) 0.0 % (6B)
for more than 4.0 consecutive hore for more than 4.0 consecutive hore many than the following the following this mont average disinfectant residual value. Number of readings with a low resing the following that the following the following that the following that the following that the following the following that the following the following that the following that the following the followi	ired in distribution system:  h: 180 (at leas: 3.02 dual: 0 able residual: 0  ADDITIO tices) is not required because there wer filter monitoring required: filter monitoring submitted:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine dual this month: dual last month: criting violations reported.  Of Filter Assessment	0.0 % (6A) 0.0 % (6B)
for more than 4.0 consecutive hore Minimum disinfectant residual requestreated in the second of the	ired in distribution system:  h: 180 (at leas: 3.02 dual: 0 able residual: 0  ADDITIO tices) is not required because there wer filter monitoring required: filter monitoring submitted:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine dual this month: dual last month: criting violations reported.  Of Filter Assessment	0.0 % (6A) 0.0 % (6B)
for more than 4.0 consecutive hore Minimum disinfectant residual requestreated in the second of the	ired in distribution system:  h: 180 (at leas : 3.02 dual: 0  where residual: 0  ADDITIO  tices) is not required because there were filter monitoring required: filter monitoring submitted: quired this month.	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine  dual this month:  dual last month:  orting violations reported.  Ortifer Assessment Ortifer Assessment (10	0.0 % (6A) 0.0 % (6B)  OCPE CPE (11)
for more than 4.0 consecutive hore Minimum disinfectant residual requestreated in the second of the	ired in distribution system: h: 180 (at leas: 3.02 dual: 0 whele residual: 0 ADDITIO tices) is not required because there were filter monitoring required: filter monitoring submitted: quired this month.	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine dual this month: dual last month:  Orting violations reported.  Ortine Filter Assessment  Office Assessment (10)	0.0 % (6A)  0.0 % (6B)  OCPE OCPE (11)
Minimum disinfectant residual requ Total number of readings this mont Average disinfectant residual value Number of readings with a low resic Number of readings with no detecta  The Page 1 Addendum (Public Not Additional report(s) for individual Additional report(s) for individual No additional IFE Reports are re-	ired in distribution system:  h: 180 (at leas : 3.02 dual: 0  while residual: 0  ADDITIO  ADDITIO  filter monitoring required: filter monitoring submitted: quired this month.  STATISTIC,  Maximum turbidity reading:  Minimum turbidity reading:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine  dual this month:  dual last month:  orting violations reported.  Ortifer Assessment Ortifer Assessment (10	0.0 % (6A) 0.0 % (6B)  OCPE CPE (11)
Minimum disinfectant residual requ Total number of readings this mont Average disinfectant residual value. Number of readings with a low residual value of readings with no detecta  The Page 1 Addendum (Public Not Additional report(s) for individual Additional report(s) for individual No additional IFE Reports are residual value.  Settled Water	ired in distribution system:  h: 180 (at leas : 3.02 dual: 0  sible residual: 0  ADDITIO  tices) is not required because there were filter monitoring required: filter monitoring submitted: quired this month.  STATISTIC.  Maximum turbidity reading:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine dual this month: dual last month:  Orting violations reported.  O Filter Assessment  O Filter Assessment (10	0.0 % (6A)  0.0 % (6B)  O CPE O CPE (11)
Minimum disinfectant residual requ Total number of readings this mont Average disinfectant residual value Number of readings with a low resic Number of readings with no detecta  The Page 1 Addendum (Public Not Additional report(s) for individual Additional report(s) for individual No additional IFE Reports are re-	ired in distribution system:  h: 180 (at leas : 3.02 dual: 0  while residual: 0  ADDITIO  ADDITIO  filter monitoring required: filter monitoring submitted: quired this month.  STATISTIC,  Maximum turbidity reading:  Minimum turbidity reading:	leaving the plant was not properly mor  DISTRIBUTION SYSTEM	orine dual this month: dual last month:  Orting violations reported.  O Filter Assessment  O Filter Assessment (10	0.0 % (6A)  0.0 % (6B)  O CPE O CPE (11)

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Average CFE turbidity value:

Standard deviation:

Average pH value:

Standard deviation:

0.32 NTU 0.09 NTU 0.22 NTU

7.27 pH

7.01 pH

7.25 pH

STATISTICAL ANALYSIS OF pH DATA

Maximum CFE turbidity reading:

Minimum CFE turbidity reading:

95<sup>th</sup> percentile CFE value:

Maximum pH reading:

Minimum pH reading:

95<sup>th</sup> percentile value:

WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

CFE

Stastical

Summary

Last Zone pH

Stastical

Summary

0.13 NTU

0.040 NTU

7.16 pH

0.064 pH

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 MACH	(EY WTP - BRAZOS
PWS ID No.: 0840153		I certify that I am familiar with the	e Information contained in this report and the	at,
Plant ID No.: 14813	Operator's Signa		internations and complete, and decirate	
Report for the Month of: July 2022	Certificate No. &	Grade: WO0043519, A	Date:	August 3, 2022
	TREA	ATMENT PLANT PERFORMANCE		
Total number of turbidity readi	ings: <u>186</u>	Number of 4-hour periods when p		0
Number of readings above 0.10 Number of readings above 0.3		Number of 4-hour periods when p but turbidity data was not collect		0
Number of readings above 0.5		Number of days when plant was	on-line	
Number of readings above 1.0  Maximum allowable turbidity le		but individual filter turbidity data Number of days with readings ab		0 (2)
Percentage of readings above	***************************************	Number of days with readings ab		0 (3)
Number of days with a low CT for no more than 4.0 consecution	ve hours: 0	Average log inactivation for Glard		5.23
Number of days with a low CT	ve itodis.	Average log inactivation for virus Number of days when profiling da		161.09 0
for more than 4.0 consecutive h	nours: 0 (4)	Number of days when CT data wa		0
Minimum disInfectant residual		0.5 mg/L, measured as Tota		
Number of days with a low resi for no more than 4.0 consecutive		Minimum pH in the last disinfection		7.02
Number of days with a low resi		Number of days with pH below 7.0 Number of days when disinfectant		0.00
for more than 4.0 consecutive h		leaving the plant was not properly		0
		DISTRIBUTION SYSTEM		
Minimum disinfectant residual re		0.5 mg/L, measured as Total	Chlorine	
Total number of readings this mo	nth: 186 (at leas	t 120 required) (8)		0.01% (64)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re	nth: 186 (at leas ue: 2.96 sidual: 0			0.0 % (6A)
Total number of readings this mo Average disinfectant residual valu	nth: 186 (at leas ue: 2.96 sidual: 0	t 120 required) (8)	residual this month:	0.0 % (6A) 0.0 % (6B)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re	nth: 186 (at leas tee: 2.96 sidual: 0 table residual: 0	t 120 required) (8) Percentage of readings with a low	residual this month:	
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detec	nth: 186 (at leas tee: 2.96 sidual: 0 table residual: 0	t 120 required) (8)  Percentage of readings with a low  Percentage of readings with a low  NAL REPORTS & WORKSHEETS re no treatment technique or monitoring	residual this month: residual last month:	
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for Individua	nth: 186 (at leasure: 2.96 sidual: 0 ADDITIC lotices) is not required because there we all filter monitoring required:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low NAL REPORTS & WORKSHEETS re no treatment technique or monitoring  NONE Filter Profile	residual this month: residual last month: S g/reporting violations reported. O Filter Assessment	0.0 % (6B)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detec The Page 1 Addendum (Public N	nth: 186 (at leasure: 2.96 sidual: 0 ADDITIC lotices) is not required because there we all filter monitoring required: all filter monitoring submitted:	t 120 required) (8)  Percentage of readings with a low  Percentage of readings with a low  NAL REPORTS & WORKSHEETS  re no treatment technique or monitoring	residual this month: residual last month: S g/reporting violations reported.	0.0 % (6B)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for Individual Additional report(s) for Individual	nth: 186 (at leasure: 2.96 sidual: 0 ADDITIC lotices) is not required because there we all filter monitoring required: all filter monitoring submitted:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low NAL REPORTS & WORKSHEETS re no treatment technique or monitoring  NONE Filter Profile	residual this month: residual last month: S g/reporting violations reported. O Filter Assessment	0.0 % (6B)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for Individual Additional report(s) for Individual	nth: 186 (at leas the:  2.96 sidual: 0  ctable residual: 0  ADDITION  ADDITION  Interpretation of the second of th	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low  NAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE   Filter Profile   NONE   Filter Profile (9)	residual this month: residual last month:  S //reporting violations reported.  O Filter Assessment O Filter Assessment (10)	O.0 % (6B)  O CPE O CPE (11)
Total number of readings this mo Average disinfectant residual valu Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individu No additional IFE Reports are	nth: 186 (at leas lee: 2.96 sidual: 0 ADDITIC lotices) is not required because there we all filter monitoring required: all filter monitoring submitted: required this month.	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low NAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE	residual this month: residual last month:  S g/reporting violations reported. O Filter Assessment O Filter Assessment (10)	0.0 % (6B)  O CPE O CPE (11)
Total number of readings this mo Average disinfectant residual value Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individua Additional report(s) for individua No additional IFE Reports are  Settled Water Stastical	nth: 186 (at leas les les les les les les les les les le	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low PAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE	residual this month: residual last month:  S //reporting violations reported.  O Filter Assessment O Filter Assessment (10)	O.0 % (6B)  O CPE O CPE (11)
Total number of readings this mo Average disinfectant residual value Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individua Additional report(s) for individua No additional IFE Reports are  Settled Water Stastical Summary	nth: 186 (at leas lee: 2.96 sidual: 0 ADDITIC lotices) is not required because there we al filter monitoring required: al filter monitoring submitted: required this month.  STATISTIC  Maximum turbidity reading: 95th percentile value:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low  NAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE	residual this month: residual last month:  S g/reporting violations reported. O Filter Assessment O Filter Assessment (10)  TA  Average turbidity value: Standard deviation:	0.0 % (6B)  CPE CPE (11)  0.22 NTU 0.125 NTU
Total number of readings this mo Average disinfectant residual value Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individua Additional report(s) for individua No additional IFE Reports are  Settled Water Stastical	nth: 186 (at leas les les les les les les les les les le	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low PAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE	residual this month: residual last month:  S preporting violations reported. Filter Assessment Filter Assessment (10)  TA Average turbidity value: Standard deviation:  Average IFE turbidity value:	0.0 % (6B)  O CPE O CPE (11)  0.22 NTU 0.125 NTU 0.13 NTU
Total number of readings this mo Average disinfectant residual value Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individual Additional report(s) for individual No additional IFE Reports are  Settled Water Stastical Summary  IFE	nth:  December 2,96 Sidual:  Catable residual:  Control of the provided secure of the provi	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low  NAL REPORTS & WORKSHEETS re no treatment technique or monitoring NONE   Filter Profile   NONE   Filter Profile (9)  AL ANALYSIS OF TURBIDITY DA  1.16 NTU  0.07 NTU  0.35 NTU  0.22 NTU	residual this month: residual last month:  S g/reporting violations reported. O Filter Assessment O Filter Assessment (10)  TA  Average turbidity value: Standard deviation:	0.0 % (6B)  CPE CPE (11)  0.22 NTU 0.125 NTU
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Total number of readings this mo Average disinfectant residual vale Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individual Additional report(s) for individual No additional IFE Reports are  Settled Water Stastical Summary  IFE Stastical Summary	nth: 186 (at leas lee: 2.96 sidual: 0 sidual: 0 stable residual: 0 ADDITIC lotices) is not required because there we al filter monitoring required: al filter monitoring submitted: required this month.  STATISTIC Maximum turbidity reading: Minimum turbidity reading: 95th percentile value:  Maximum IFE turbidity reading: Minimum IFE turbidity reading: 95th percentile IFE value:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low  NAL REPORTS & WORKSHEETS  re no treatment technique or monitoring NONE   Filter Profile NONE   Filter Profile (9)  AL ANALYSIS OF TURBIDITY DA  1.16 NTU 0.07 NTU 0.35 NTU  0.22 NTU 0.06 NTU 0.20 NTU	residual this month: residual last month:  S g/reporting violations reported. O Filter Assessment O Filter Assessment (10)  TA  Average turbidity value: Standard deviation:  Average IFE turbidity value: Standard deviation:	0.00 % (6B)  CPE CPE (11)  0.22 NTU 0.125 NTU  0.13 NTU 6.033 NTU
Total number of readings this mo Average disinfectant residual valo Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individua Additional report(s) for individua No additional IFE Reports are  Settled Water Stastical Summary  IFE Stastical Summary  CFE Stastical	nth: 186 (at leasure: 2.96 sidual: 0 sidual: 0 stable residual: 0 ADDITIC lotices) is not required because there we all filter monitoring required: all filter monitoring submitted: required this month.  STATISTIC Maximum turbidity reading: Minimum turbidity reading: 95th percentile value:  Maximum IFE turbidity reading: 95th percentile IFE value:  Maximum CFE turbidity reading: 95th percentile IFE value:  Maximum CFE turbidity reading: 95th percentile CFE value:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low Percentage of readings with a low PNAL REPORTS & WORKSHEETS The no treatment technique or monitoring NONE Filter Profile NONE Filter Profile NONE Filter Profile (9)  AL ANALYSIS OF TURBIDITY DA  1.16 NTU 0.07 NTU 0.07 NTU 0.35 NTU  0.20 NTU 0.20 NTU 0.20 NTU 0.26 NTU 0.11 NTU	residual this month: residual last month:  S preporting violations reported. Filter Assessment Filter Assessment (10)  TA  Average turbidity value: Standard deviation:  Average IFE turbidity value: Standard deviation:  Average CFE turbidity value:	0.0 % (6B)  O CPF O CPE (11)  0.22 NTU 0.125 NTU  0.13 NTU 0.033 NTU
Total number of readings this mo Average disinfectant residual valo Number of readings with a low re Number of readings with no detect  The Page 1 Addendum (Public N Additional report(s) for individua Additional report(s) for individua No additional IFE Reports are  Settled Water Stastical Summary  IFE Stastical Summary  CFE Stastical	nth: 186 (at leasure: 2.96 sidual: 0 sidual: 0 stable residual: 0 ADDITIC lotices) is not required because there we all filter monitoring required: all filter monitoring submitted: required this month.  STATISTIC Maximum turbidity reading: Minimum turbidity reading: 95th percentile value:  Maximum IFE turbidity reading: 95th percentile IFE value:  Maximum CFE turbidity reading: 95th percentile IFE value:  Maximum CFE turbidity reading: 95th percentile CFE value:	t 120 required) (8) Percentage of readings with a low Percentage of readings with a low Percentage of readings with a low PAL REPORTS & WORKSHEETS The no treatment technique or monitoring NONE Filter Profile NONE Filter Profile (9)  AL ANALYSIS OF TURBIDITY DA  1.16 NTU 0.07 NTU 0.35 NTU  0.22 NTU 0.06 NTU 0.20 NTU 0.26 NTU 0.21 NTU 0.25 NTU 0.25 NTU	residual this month: residual last month:  S preporting violations reported. Filter Assessment Filter Assessment (10)  TA  Average turbidity value: Standard deviation:  Average IFE turbidity value: Standard deviation:  Average CFE turbidity value:	0.0 % (6B)  O CPF O CPE (11)  0.22 NTU 0.125 NTU  0.13 NTU 0.033 NTU

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

Summary

95th percentile value:

**PUBLIC WATER** 

7.28 pH

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 AUT	HORITY TX CITY		PLANT NAME OR NUMBER:	SWTP . THOMAS MA	CKEY WTP - BRAZOS
			I certify	that I am familiar with the inform	ation contained in this report and	that,
PWS ID No.: Plant ID No.:	0840153 14813	— Operator's Signatur		est of my showledge, the Informa	ation is true, complete, and accura	ate.
Report for	14013		·	The state of the s		
the Month of:	August 2022	Certificate No. & Gr	ade: WO00	43519, A	Date:	September 8, 2022
	ELECTIVE COLUMN	TREAT	MENT PLANT	PERFORMANCE		
	furbidity readings:	186	Number of 4	-hour periods when plant w	vas off-line:	0
	ings above 0.10 NTU: ings above 0.3 NTU:	134		hour periods when plant w data was not collected:	vas on-line	0
Number of read	ings above 0.5 NTU:	0		ays when plant was on-line	•	
	ings above 1.0 NTU: able turbidity level:	0		il filter turbidity data was n		0
	adings above this limit:	0.3		ays with readings above 1.0 ays with readings above 5.0		0 (2) 0 (3)
Number of days		370 75 (.7			9 110.	
	4.0 consecutive hours:	0		nactivation for Giardia: nactivation for viruses:		5.71 174.63
Number of days				ys when profiling data was		0
	0 consecutive hours:	0 (4)	Number of da	ys when CT data was not o	collected:	0
	ectant residual required leav	ing the plant:		., measured as Total Chlor		
	with a low residual 4.0 consecutive hours:	0		In the last disinfection zon		7.05
	with a low residual			ys with pH below 7.0 in the		0.00
	consecutive hours:	0 (5)		ys when disinfectant resident and was not properly monit		0
			ISTRIBUTION	SYSTEM	SOUR COURTS AND	
Minimum disinfect	ant residual required in dist	ribution system:	0.5 mg/l	, measured as Total Chlor	Ine	
Total number of re	_		120 required) (			
Average disinfecta Number of reading	nt residual value; s with a low residual;	3.05	Percentage of	readings with a low residu	ial this month:	0.0 % (6A)
	s with no detectable residua	-	Percentage of	readings with a low residu	al last month:	0.0 % (6B)
	* "好是你就'更是你是一个	ADDITION	AL REPORTS	& WORKSHEETS		
The Dage 1 Adds	ndum (Rublic Notices) is not			& WORKSHEETS		
		required because there were	no treatment tec	nnique or monitoring/repor		
Additional report	ndum (Public Notices) is not (s) for Individual filter monit (s) for Individual filter monit	required because there were oring required:		hnique or monitoring/repor Filter Profile	O Filter Assessment	○ CPE
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Additional report Additional report	(s) for individual filter monit (s) for individual filter monit	required because there were oring required: oring submitted: month.	no treatment tec  NONE  NONE	hnique or monitoring/repor Filter Profile Filter Profile (9)	O Filter Assessment	○ CPE
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Additional report Additional report No additional IF  Settled Stasi	(s) for individual filter monit (s) for individual filter monit E Reports are required this Water Maximu iical Minimur	required because there were oring required: oring submitted: month.  STATISTICAI m turbidity reading: n turbidity reading:	no treatment tec  NONE  NONE  NONE  ANALYSIS O  0.71 NTU  0.07 NTU	nnique or monitoring/repor Filter Profile Filter Profile (9) F TURBIDITY DATA	O Filter Assessment	○ CPE
Additional report Additional report No additional if	(s) for individual filter monit (s) for individual filter monit E Reports are required this Water Maximu iical Minimur	required because there were oring required: oring submitted: month.  STATISTICAL or turbidity reading:	no treatment tec  NONE  NONE  NONE  ANALYSIS C	nnique or monitoring/repor Filter Profile Filter Profile (9) F TURBIDITY DATA	Filter Assessment Filter Assessment (10	O.22 NTU
Additional report Additional report No additional IF  Settled Stast Sumn	(s) for individual filter monit (s) for individual filter monit E Reports are required this  Water Maximu fical Minimu fiary 95 <sup>th</sup> per	required because there were oring required: oring submitted: month.  STATISTICA! m turbidity reading: nentile value: m IFE turbidity reading:	NONE O NONE O NONE O NONE O NONE O O NONE O O NONE O O NONE O O O O O O O O O O O O O O O O O O O	hnique or monitoring/repor Filter Profile Filter Profile (9)  F TURBIDITY DATA  A	Filter Assessment Filter Assessment (10 Average turbidity value: Standard deviation: Average IFE turbidity value:	O.22 NTU  0.095 NTU
Additional report Additional report No additional IF  Settled Stast Sumn	(s) for Individual filter monit (s) for Individual filter monit E Reports are required this  Water Maximu Minimu nary 95 <sup>th</sup> per E Maximu Minimu ical Minimu	required because there were oring required: oring submitted: month.  STATISTICAI m turbidity reading: centile value: m IFE turbidity reading: n IFE turbidity reading:	NONE   O	hnique or monitoring/repor Filter Profile Filter Profile (9)  F TURBIDITY DATA  A	Filter Assessment Filter Assessment (10 Average turbidity value: Blandard deviation:	O.22 NTU 0.095 NTU
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Additional report Additional report No additional IF  Settled Stast Summ  IFI Stast Summ  CF Stast	(s) for Individual filter monit (s) for individual filter monit E Reports are required this  Water Maximu iical Minimu nary 95 <sup>th</sup> per E Maximu iical Minimu iical Minimu iical Minimu iical Minimu iical Minimu iical Minimu	required because there were oring required: oring submitted: month.  STATISTICAL m turbidity reading: or the turbidity reading:	NONE O NO	hnique or monitoring/repor Filter Profile Filter Profile (9)  F TURBIDITY DATA  A S	Filter Assessment Filter Assessment (10 Average turbidity value: Standard deviation: Average IFE turbidity value:	O.22 NTU O.095 NTU O.097 NTU O.007 NTU
Additional report Additional report No additional IF  Settled Stast Summ  IFI Stast Summ  CF	(s) for Individual filter monit (s) for individual filter monit E Reports are required this  Water Maximu iical Minimu nary 95 <sup>th</sup> per E Maximu iical Minimu iical Minimu iical Minimu iical Minimu iical Minimu iical Minimu	required because there were oring required: oring submitted: month.  STATISTICA!  In turbidity reading: nentile value:  In IFE turbidity reading: nentile IFE value:  IFE turbidity reading: nentile CFE turbidity reading: nentile CFE value:	NONE   O	hnique or monitoring/repor Filter Profile Filter Profile (9)  F TURBIDITY DATA  A S	Filter Assessment Filter Assessment (10 Average turbidity value: Standard deviation: Average IFE turbidity value: Standard deviation:	0.22 NTU 0.095 NTU 0.097 NTU 0.013 NTU
Additional report Additional report No additional IF  Settled Stast Summ  IFI Stast Summ  CF Stast	(s) for individual filter monit (s) for individual filter monit E Reports are required this  Water Maximu fical Minimum fical Maximum fical Minimum fical Mi	required because there were oring required: oring submitted: month.  STATISTICA!  In turbidity reading: nentile value:  In IFE turbidity reading: nentile IFE value:  IFE turbidity reading: nentile CFE turbidity reading: nentile CFE value:	NONE   O	Filter Profile Filter Profile (9)  FTURBIDITY DATA  A S  A S  S  S  S  S  S  S  S  S  S	Filter Assessment Filter Assessment (10 Average turbidity value: Standard deviation: Average IFE turbidity value: Standard deviation:	0.22 NTU 0.095 NTU 0.097 NTU 0.013 NTU

Standard deviation:

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

Stastical

Summary

Minimum pH reading:

95<sup>th</sup> percentile value:

PUBLIC WATER

7.05 pH

7.33 pH

0.086 pH

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 A	UTHORITY TX CITY		PLANT NAME OR NUMBER:	SWTP - THOMAS MAC	KEY WTP - BRAZOS	
PWS ID No.:	0840153			am familiar with the information my knowledge, the information	n contained in this report and th	nat,	
Plant ID No.:	14813	Operator's Signatu	/ / /	Internation	IS the, complete, and account	E.	
Report for the Month of:	September 2022	Certificate No. & G	11		Data	October 5, 2022	
the month of.	September 2022				Date:	October 5, 2022	
Total number of	f turbidity readings:	180	TMENT PLANT PER		off lines	0	
	ings above 0.10 NTU:	43		r periods when plant was r periods when plant was		<u> </u>	
Number of read	ings above 0.3 NTU:	0	but turbidity data	was not collected:		0	
	ings above 0.5 NTU: ings above 1.0 NTU:	0		when plant was on-line er turbidity data was not c	ollactari	0	
	able turbidity level:	0,3		vith readings above 1.0 NT		0 (2)	
	eadings above this limit:	0.0 % (1)		vith readings above 5.0 NT		0 (3)	
Number of days		0		ivation for Giardia:		5.94	
Number of days	n 4.0 consecutive hours:	0		ivation for viruses:	e - allo atods	<u>177.33</u> 0	
	0 consecutive hours:	0 (4)		vhen profiling data was no vhen CT data was not colle		0	
Minimum disinfe	ectant residual required le	aving the plant:	0.5 mg/L, me	easured as Total Chlorine			
	with a low residual		Minimum pH in the	e last disinfection zone:		7.00	
for no more than	4.0 consecutive hours:	0	Number of days w	rith pH below 7.0 in the las	t disinfection zone:	0.00	
	with a low residual		and the second s	hen disinfectant residual			
for more than 4.0	0 consecutive hours:	0 (5)	leaving the plant w	was not properly monitore	d:	0	
			DISTRIBUTION SYS	STEM			
				And the second s			-
	tant residual required in di			easured as Total Chlorine			
Total number of re	eadings this month:	180 (at least	120 required) (8)		his month:	0.0 % (6A)	
Total number of re Average disinfecta	eadings this month:		120 required) (8)	easured as Total Chlorine dings with a low residual t	his month:	0.0] % (6A)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value:	3.27 0	120 required) (8) Percentage of read			0.0 % (6A) 0.0 % (6B)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value; as with a low residual;	180 (at least 3.27 0 dual: 0	120 required) (8) Percentage of read	dings with a low residual t			
Total number of re Average disinfecta Number of reading Number of reading	eadings this month: ant residual value: gs with a low residual: gs with no detectable resid	180 (at least 3.27 0 dual: 0	120 required) (8) Percentage of read Percentage of read	dings with a low residual ti dings with a low residual to VORKSHEETS	ast month:		
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde	eadings this month: ant residual value: gs with a low residual: gs with no detectable resid	dual:    180   (at least   3,27   )	120 required) (8) Percentage of read Percentage of read NAL REPORTS & We no treatment technique  NONE Fill	dings with a low residual ti dings with a low residual lo VORKSHEETS ue or monitoring/reporting	ast month:		
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable residual; and the residual of the residual; and the residual filter months of the residual; and the residual filter months of the	tual:  ADDITION  not required because there were nitoring required: nitoring submitted:	120 required) (8) Percentage of read Percentage of read NAL REPORTS & We no treatment technique  NONE Fig.	dings with a low residual ti dings with a low residual lo VORKSHEETS ue or monitoring/reporting	ast month: g violations reported.	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual and the residual of the residua	tual:  ADDITION  not required because there were nitoring required: nitoring submitted:	120 required) (8) Percentage of read Percentage of read NAL REPORTS & We no treatment technique  NONE Fig.	dings with a low residual tings with a low residual to VORKSHEETS ue or monitoring/reporting the Profile	ast month: g violations reported. ) Filter Assessment	0.0 % (6B)	
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Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value; gs with a low residual; gs with no detectable residual; and the residual of the residual; and the residual filter months of the residual; and the residual filter months of the	dual:    180	120 required) (8) Percentage of read Percentage of read NAL REPORTS & We no treatment technique  NONE Fig.	dings with a low residual things with a low residual to VORKSHEETS ue or monitoring/reporting liter Profile (9)	ast month: g violations reported. ) Filter Assessment	0.0 % (6B)	
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Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional IF No additional IF	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual endum (Public Notices) is re at (s) for individual filter month ERE Reports are required the Water Maximum (Minimum)  Water Maximum (Minimum)  Water Minimum)	tual:    ADDITION	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & We no treatment technique NONE   Filt NONE   Filt AL ANALYSIS OF TU  0.47 NTU  0.10 NTU	dings with a low residual the dings with a low residual to VORKSHEETS  ue or monitoring/reporting liter Profile (2)  tter Profile (9)  URBIDITY DATA  Aver	ast month: g violations reported. ) Filter Assessment ) Filter Assessment (10)	0.0 % (6B)  O GPE O CPE (11)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF	eadings this month: ant residual value: gs with a low residual: gs with no detectable residual endum (Public Notices) is rectiful to individual filter months for	and the second s	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & W e no treatment techniqu  NONE Filt  NONE Filt  AL ANALYSIS OF TU  0.47 NTU  0.10 NTU  0.30 NTU	dings with a low residual to dings with a low residual to VORKSHEETS ue or monitoring/reporting liter Profile (2) ter Profile (9) (2)	ast month: g violations reported. ) Filter Assessment ) Filter Assessment (10) rage turbidity value: indard deviation:	0.0 % (6B)  O CPE O CPE (11)  O.17 NTU O.086 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF  Settled Stasi Sumr	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual	dual:    ADDITION	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & We no treatment technique NONE Filt NONE Filt AL ANALYSIS OF TU 0.47 NTU 0.10 NTU 0.30 NTU	dings with a low residual to dings with a low residual to VORKSHEETS  ue or monitoring/reporting (ter Profile (e)) (c)  URBIDITY DATA  Aver Stan	ast month: g violations reported. Filter Assessment Filter Assessment (10) rage turbidity value: ndard deviation: rage IFE turbidity value:	0.0 % (6B)  O CPE O CPE (11)  O.086 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual: ps with no detectable residual and (Public Notices) is notices. It is for individual filter month of the properties of the properties. If was are required the properties of the properties of the properties.  Water Maximany 95th p  E Maximany Minimany Miniman	and the second s	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & W e no treatment techniqu  NONE Filt  NONE Filt  AL ANALYSIS OF TU  0.47 NTU  0.10 NTU  0.30 NTU	dings with a low residual to dings with a low residual to VORKSHEETS  ue or monitoring/reporting (ter Profile (e)) (c)  URBIDITY DATA  Aver Stan	ast month: g violations reported. ) Filter Assessment ) Filter Assessment (10) rage turbidity value: indard deviation:	0.0 % (6B)  O CPE O CPE (11)  O.17 NTU O.086 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional IF  Settled Stast Sumr	eadings this month: ant residual value: gs with a low residual: gs with no detectable residual endum (Public Notices) is rectiful to its properties of the control of the c	tual:    ADDITION	120 required) (8) Percentage of read  Percentage of read  NAL REPORTS & W e no treatment technique  NONE Filt  NONE Filt  AL ANALYSIS OF TU  0.47 NTU  0.40 NTU  0.30 NTU  0.17 NTU  0.04 NTU	dings with a low residual to the state of th	ast month: g violations reported. Filter Assessment Filter Assessment (10) rage turbidity value: ndard deviation: rage IFE turbidity value:	0.0 % (6B)  O CPE O CPE (11)  O.086 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF  Settled Stast Sumr  IF Stast Sumr  CF Stast	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual: ps with no detectable residual and (Public Notices) is rected to the control of the contro	atual:    ADDITION	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & W e no treatment technique NONE Filt NONE Filt AL ANALYSIS OF TU  0.47 NTU  0.40 NTU  0.30 NTU  0.47 NTU  0.48 NTU  0.49 NTU  0.49 NTU  0.49 NTU  0.49 NTU  0.49 NTU	dings with a low residual to the standard of t	ast month:  g violations reported.  Filter Assessment  Filter Assessment (10)  rage turbidity value: dard deviation:  rage IFE turbidity value: dard deviation:	0.0 % (6B)  CPE CPE (11)  0.17 NTU 0.086 NTU  0.08 NTU 0.028 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF  Settled Stasi Sumr  IFI Stasi Sumr	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual: ps with no detectable residual and (Public Notices) is rected to the control of the contro	and the second s	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & W e no treatment technique NONE Filt NONE Filt AL ANALYSIS OF TU 0.47 NTU 0.10 NTU 0.30 NTU 0.17 NTU 0.04 NTU 0.13 NTU 0.19 NTU 0.06 NTU 0.13 NTU	dings with a low residual to VORKSHEETS  ue or monitoring/reporting   Commonitoring/reporting	ast month:  g violations reported.  Filter Assessment Filter Assessment (10)  rage turbidity value: ndard deviation:  rage IFE turbidity value: ndard deviation:	0.00 % (6B)  O CPE O CPE (11)  O.08 NTU O.028 NTU O.09 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional IF  Settled Stast Sumr  IF Stast Sumr  CF Stast	eadings this month: ant residual value: ps with a low residual: ps with no detectable residual: ps for individual filter month ps for individual fi	and the second s	120 required) (8) Percentage of read Percentage of read  NAL REPORTS & W e no treatment technique NONE Filt NONE Filt AL ANALYSIS OF TU  0.47 NTU  0.40 NTU  0.30 NTU  0.47 NTU  0.48 NTU  0.49 NTU  0.49 NTU  0.49 NTU  0.49 NTU  0.49 NTU	dings with a low residual to dings with a low residual to VORKSHEETS  ue or monitoring/reporting (for Profile (g))  URBIDITY DATA  Aver Stan  Aver Stan  Aver Stan	ast month:  g violations reported.  Filter Assessment Filter Assessment (10)  rage turbidity value: ndard deviation:  rage IFE turbidity value: ndard deviation:	0.00 % (6B)  O CPE O CPE (11)  O.08 NTU O.028 NTU O.09 NTU	

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

Summary

7.20 pH

95th percentile value:

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

STOTEM NAME:	GULF COAST WATER AUTHORITY	TX CITY	PLANT NAME OR NUMBER:	SWTP - THOMAS MAC	CKEY WTP - BRAZOS
			I certify that I am familiar with the information	contained in this report and t	hat,
PWS ID No.: Plant ID No.:	0840153	Omountanto Claustono	to the best of my knowledge, the information	is true, complete, and accura	ite.
Report for	14813	Operator's Signature:	1 July my		
the Month of:	October 2022	Certificate No. & Grade	e: WO0043519, A	Date:	November 3, 2022
		TREATM	ENT PLANT PERFORMANCE	The state of the s	
Total number of	turbidity readings:	186	Number of 4-hour periods when plant was	off-line:	0
	ings above 0.10 NTU:	130	Number of 4-hour periods when plant was of	n-line	
	ings above 0.3 NTU: ings above 0.5 NTU:	0	but turbidity data was not collected:		0
	ings above 0.0 NTU;	0	Number of days when plant was on-line but individual filter turbidity data was not co	objectori:	0
	able turbidity level:	0.3	Number of days with readings above 1.0 NT		0 (2)
	eadings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NT		0 (3)
Number of days	with a low CT		Average log inactivation for Giardia:		4.17
	4.0 consecutive hours:	0	Average log inactivation for viruses:		116.22
Number of days			Number of days when profiling data was not		0
	O consecutive hours:	0 (4)	Number of days when CT data was not colle	cted:	0
Minimum disinfe	ctant residual required leaving the p	olant:	0.5 mg/L, measured as Total Chlorine		
	with a low residual 4.0 consecutive hours:		Minimum pH in the last disinfection zone:		7.00
for no more than	4.0 consecutive nours:	0	Number of days with pH below 7.0 in the last	t disinfection zone:	0.00
	with a low residual consecutive hours:		Number of days when disinfectant residual		_
TOT MOTE BIGHT 4.0	consecutive nours.	0 (0)	leaving the plant was not properly monitored	1;	0
and the last of th	The state of the s				
		DIS	TRIBUTION SYSTEM		
	ant residual required in distribution	system:	0.5 mg/L, measured as Total Chlorine		
Total number of re-	adings this month:	system: 186 (at least 180	0.5 mg/L, measured as Total Chlorine required) (8)		
Total number of re Average disinfecta	adings this month: nt residual value:	system: 186 (at least 180 3.11	0.5 mg/L, measured as Total Chlorine	is month:	0.0 % (6A)
Total number of rea Average disinfecta Number of reading	adings this month:	system:186	0.5 mg/L, measured as Total Chlorine required) (8)		0.0] % (6A)
Total number of rea Average disinfecta Number of reading	adings this month; nt residual value: s with a low residual;	system:	0.5 mg/L, measured as Total Chlorine required) (8) Percentage of readings with a low residual the percentage of readings with a low residual la		
Total number of re Average disinfecta Number of reading Number of reading	adings this month; nt residual value; s with a low residual; s with no detectable residual;	system:	0.5 mg/L, measured as Total Chlorine required) (8) Percentage of readings with a low residual the percentage of readings with a low residual later. REPORTS & WORKSHEETS	est month:	
Total number of rea Average disinfecta Number of reading Number of reading The Page 1 Adde	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require	system:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the percentage of readings with a low residual language.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting	est month:	
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report	adings this month; nt residual value; s with a low residual; s with no detectable residual; ndum (Public Notices) is not require (s) for individual filter monitoring re	system:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual in Percentage of readings with a low residual lance.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting NONE O Filter Profile	est month:	
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report Additional report	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su	system:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the percentage of readings with a low residual language.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting NONE   Filter Profile	est month:	0.0 % (6B)
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report Additional report	adings this month; nt residual value; s with a low residual; s with no detectable residual; ndum (Public Notices) is not require (s) for individual filter monitoring re	system:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the percentage of readings with a low residual language.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting NONE   Filter Profile	violations reported.	0.0 % (6B)
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report Additional report	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su	system:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the percentage of readings with a low residual language.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting NONE   Filter Profile	violations reported.	0.0 % (6B)
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report Additional report	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su	system:  186 3.11 0 0 ADDITIONAL d because there were no quired: bmitted:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the percentage of readings with a low residual language.  REPORTS & WORKSHEETS treatment technique or monitoring/reporting NONE   Filter Profile	violations reported.	0.0 % (6B)
Total number of re: Average disinfecta: Number of reading: Number of reading: The Page 1 Adder Additional report No additional IF	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.	system:  186 3.11 0 0 ADDITIONAL d because there were no quired: bmitted:	0.5 mg/L, measured as Total Chlorine required) (8) Percentage of readings with a low residual the Percentage of readings with a low residual late.  REPORTS & WORKSHEETS  treatment technique or monitoring/reporting NONE	violations reported.  Filter Assessment  Filter Assessment (10	0.0 % (6B)  O CPE O CPE (11)
Total number of red Average disinfectal Number of reading Number of readings The Page 1 Adder Additional report Additional report	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.	system:  186 3.11 0 0 ADDITIONAL d because there were no quired: bmitted:  STATISTICAL A lity reading:	0.5 mg/L, measured as Total Chlorine required) (8) Percentage of readings with a low residual the Percentage of readings with a low residual lands. REPORTS & WORKSHEETS  treatment technique or monitoring/reporting NONE	violations reported.	0.00 % (6B)  O CPE O CPE (11)
Total number of rea Average disinfectar Number of reading Number of reading The Page 1 Addet Additional report Additional IF	adings this month; nt residual value; s with a low residual; s with no detectable residual;  ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water Maximum turbic ical Minimum turbid	system:  186 3.11 0 0 ADDITIONAL d because there were no quired: bmitted:  STATISTICAL A dity reading: ity reading:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual the Percentage of readings with a low residual to the Percentage of readings with a low residual to the Percentage of readings with a low residual to the Percentage of readings with a low residual to the Percentage of readings with a low residual to the Percentage of Per	violations reported.  Filter Assessment Filter Assessment (10	0.0 % (6B)  O CPE O CPE (11)
Total number of rea Average disinfecta Number of reading Number of reading The Page 1 Adder Additional report Additional report No additional IF  Settled Stast Summ	adings this month; nt residual value: s with a low residual: s with no detectable residual:  ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water Maximum turbid hary 95th percentile v  Maximum IFE tu	system:  186 3.11 0 0 0  ADDITIONAL d because there were no quired: bmitted:  STATISTICAL A dity reading: lity reading: alue: urbidity reading:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual in Percentage of readings with a low residual in REPORTS & WORKSHEETS  treatment technique or monitoring/reporting NONE	violations reported.  Filter Assessment Filter Assessment (10	0.00 % (6B)  O CPE O CPE (11)
Total number of rea Average disinfecta Number of reading Number of reading The Page 1 Addet Additional report Additional IF No additional IF Settled Stast Sumn	adings this month: nt residual value: s with a low residual: s with no detectable residual: ndum (Public Notices) is not require (s) for individual filter monitoring re (s) for individual filter monitoring su E Reports are required this month.  Water Maximum turbid ical Minimum turbid hary 95 <sup>th</sup> percentile v  Maximum IFE tu ical Minimum IFE tu	system:  186 3.11 0 0  ADDITIONAL d because there were no quired: bimitted:  STATISTICAL A dity reading: ity reading: alue: urbidity reading: bidity reading: bidity reading:	0.5 mg/L, measured as Total Chlorine required) (8)  Percentage of readings with a low residual in Percentage of readings with a low residual in REPORTS & WORKSHEETS  treatment technique or monitoring/reporting NONE	violations reported.  Filter Assessment  Filter Assessment (10  age turbidity value: dard deviation:	0.00 % (6B)  O CPE O CPE (11)  O.40 NTU O.291 NTU

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

0.14 NTU

0.08 NTU

0.13 NTU STATISTICAL ANALYSIS OF pH DATA

7.30 pH

7.00 pH

7.21 pH

CFE

Stastical

Summary

Last Zone pH

Stastical

Summary

PUBLIC WATER

Maximum CFE turbidity reading:

Minimum CFE turbidity reading:

95th percentile CFE value:

Maximum pH reading:

Minimum pH reading:

95th percentile value:

0.11 NTU 0.011 NTU

7.10 pH

0.064 pH

Average CFE turbidity value:

Standard deviation:

Average pH value:

Standard deviation:

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 WA	TER AUTHORITY	TX CITY		PLANT NAME OR NUMBER:	SWTP - THO	MAS MACK	EY WTP - BRAZOS	
PWS ID No.:	6940452				am familiar with the infor				
Plant ID No.:	0840153 14813		Operator's Signature:	/ / An	of the diowiedge, die mon	mations ute, complete,	and accurate.		
Report for			-	1/1					
the Month of:	November 2022		Certificate No. & Grad	<u></u>	-		Date:	December 6, 2022	7.52
	HELD VALUE OF	Vactor of the second	The state of the s	ENT PLANT PE	RFORMANCE	国家理识格			
	f turbidity readings		180		ur periods when plant			0	
	lings above 0.10 NT Ings above 0.3 NTU				ur periods when plant a was not collected:	was on-line		0	
	ings above 0.5 NTU		0	Number of days	when plant was on-lin				
	ings above 1.0 NTU able turbidity level:		0		ter turbidity data was			0	
	eadings above this		0.3	_	with readings above : with readings above !			0 (2) 0 (3)	
			0.0 70 (1)			5.0 N1O.	-		
Number of days for no more than	n 4.0 consecutive h	ours:	0		tivation for Giardia: tivation for viruses:	والمناز والمناز والمناز	إجهدانا والجرا	3.70	
Number of days					when profiling data w	ras not collected:		0	
for more than 4.	0 consecutive hour	9:	0 (4)	Number of days	when CT data was no	t collected:		0	
Minimum disinfe	ectant residual requ	ired leaving the p	lant:	0.5 mg/L, n	neasured as Total Chi	lorine			
	with a low residual a 4.0 consecutive he			Minimum pH in ti	he last disinfection zo	one:		6.92	
			0		with pH below 7.0 in t		one:	2.00	
	with a low residual 0 consecutive hours		0 (5)		when disinfectant res was not properly mo			0	
Etropia de la constitución de la									
BUSH AND DELLAR	The second second	and the second second	DR	TRIBUTION SY	STEM	A STATE OF THE STA			
			Brenness	the state of the s		THE RESERVE OF THE PARTY OF THE	more record	Charles San	
	tant residual require	ed in distribution :	-		neasured as Total Chil	orine			
	adings this month:	ed in distribution :	-	required) (8)				0.0] % (6A)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value: as with a low residu	al:	180 (at least 18)	required) (8) Percentage of rea	neasured as Total Chl	dual this month:			
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value:	al:	180 (at least 18	required) (8) Percentage of rea	neasured as Total Chi	dual this month:		0.0 % (6A)	
Total number of re Average disinfecta Number of reading	eadings this month: ant residual value: as with a low residu	al:	180 (at least 180 3.10 0	Percentage of rea	neasured as Total Chl	dual this month:			
Total number of re Average disinfecta Number of reading Number of reading	eadings this month: ant residual value: ps with a low residu ps with no detectabl	al: e residual:	180 (at least 180 3.10 0	required) (8) Percentage of rea Percentage of rea L REPORTS & 1	neasured as Total Chloridings with a low resindings with a low resin	dual this month:	orted.		
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde	eadings this month: ant residual value: ps with a low residu ps with no detectabl	al: e residual: es) is not required	180 (at least 18) 3.10 0 0 ADDITIONA d because there were no	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic	neasured as Total Chloridings with a low resindings with a low resin	dual this month:			
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil t(s) for individual fil	al: e residual: es) Is not required ter monitoring red ter monitoring sul	ADDITIONA d because there were no	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic	neasured as Total Chloridings with a low residings with a low residence of the control of the co	dual this month: dual last month: orting violations repo	ment	0.0 % (6B)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: us with a low residu us with no detectable andum (Public Notic t(s) for individual fil	al: e residual: es) Is not required ter monitoring red ter monitoring sul	ADDITIONA d because there were no	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic	neasured as Total Chloridings with a low residence with a low residence worksheets  worksheets  que or monitoring/rep  ilter Profile	dual this month: dual last month: orting violations repo	ment	0.0 % (6B)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil t(s) for individual fil	al: e residual: es) Is not required ter monitoring red ter monitoring sul	ADDITIONA d because there were no	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic	neasured as Total Chloridings with a low residence with a low residence worksheets  worksheets  que or monitoring/rep  ilter Profile	dual this month: dual last month: orting violations repo	ment	0.0 % (6B)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil t(s) for individual fil	al: e residual: es) Is not required ter monitoring red ter monitoring sul	ADDITIONA d because there were no quired: bmitted:	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic NONE O F	neasured as Total Chloridings with a low residence with a low residence worksheets  worksheets  que or monitoring/rep  ilter Profile	dual this month: dual last month: orting violations repo	ment	0.0 % (6B)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report	eadings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil FE Reports are requ	al: e residual: es) Is not required ter monitoring red ter monitoring sul	ADDITIONA d because there were nequired: bmitted:	required) (8) Percentage of rea Percentage of rea L REPORTS & 1 treatment technic NONE O F	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month: dual last month:  orting violations repo  Filter Assess  Filter Assess	ment (10)	O.0 % (6B)  O CPE O CPE (11)	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional if No additional if Settled Stasi	eadings this month: ant residual value: gs with a low residu gs with no detectable andum (Public Notice t(s) for individual fil t(s) for individual fil FE Reports are requ  I Water tical	al: e residual: es) Is not required ter monitoring red ter monitoring sul ired this month.  Maximum turbid Minimum turbid	ADDITIONA d because there were no quired: bmitted:  STATISTICAL lity reading: ity reading:	Percentage of real	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month: dual last month: orting violations repo	ment (10)	0.0 % (6B)	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if Settled Stasi Sumr	adings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil t(s) for individual fil FE Reports are requ I Water tical many	al: e residual: es) Is not required ter monitoring substreed this month.  Maximum turbidi 95th percentile va	ADDITIONA d because there were nequired: bmitted:  STATISTICAL lity reading: ity reading: alue:	Percentage of real Percentage of Percenta	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month:  dual last month:  orting violations rep  in Filter Assess  Filter Assess  Average turbidity value Standard deviation:	ment (10)	O.0 % (6B)  CPE CPE (11)  O.37 NTU O.189 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if  Settled Stass Summ	adings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic k(s) for individual fil k(s) for individual fil FE Reports are requ l Water tical mary	al: e residual: es) Is not required ter monitoring reder monitoring sulfired this month.  Maximum turbid Minimum turbid 95 <sup>th</sup> percentile valuations.	ADDITIONA d because there were nequired: bmitted:  STATISTICAL lity reading: ity reading: alue: rbldity reading:	Percentage of real Percentage of	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month: dual last month:  Orting violations repo Filter Assess Filter Assess Average turbidity v. Standard deviation:	ment (10)	0.0 % (6B)  O CPE O CPE (11)  0.37 NTU 0.189 NTU	
Total number of re Average disinfecta Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if Settled Stasi Sumr	adings this month: ant residual value: us with a low residu us with no detectable andum (Public Notice t(s) for individual fil t(s) for individual fil FE Reports are requ  I Water tical mary E tical	al: e residual: es) Is not required ter monitoring substreed this month.  Maximum turbidi 95th percentile va	180 (at least 18) 3.10 0 0 ADDITIONA d because there were no quired: bmitted:  STATISTICAL lity reading: lity reading: alue: rbidity reading: bidity reading: bidity reading:	Percentage of real Percentage of Percenta	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month:  dual last month:  orting violations rep  in Filter Assess  Filter Assess  Average turbidity value Standard deviation:	ment (10)	O.0 % (6B)  CPE CPE (11)  O.37 NTU O.189 NTU	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if Settled Stasi Sumr	adings this month: ant residual value: gs with a low residu gs with no detectabl andum (Public Notic t(s) for individual fil t	al: e residual: es) Is not required ter monitoring reder monitoring sulfired this month.  Maximum turbid Minimum turbid 195 <sup>th</sup> percentile valuation of the monitoring sulfired this month.	ADDITIONA d because there were nequired: bmitted:  STATISTICAL lity reading: ity reading: alue: rbidity reading: bidity reading: E value:	Percentage of real Percentage of real L REPORTS & 1 Description of real L REPORTS & 1 Description of real NONE	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month: dual last month:  Orting violations repo Filter Assess Filter Assess Average turbidity v. Standard deviation:	ment (10)  ment (10)	0.0 % (6B)  O CPE O CPE (11)  0.37 NTU 0.189 NTU	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if Settled Stasi Sumr IF Stasi Sumr	adings this month: ant residual value: ps with a low residu ps with no detectabl andum (Public Notice t(s) for individual fil t(s) for individual fil FE Reports are requ  I Water tical mary E tical mary E tical tical	al: e residual: es) Is not required ter monitoring reduce ter monitoring substituted this month.  Maximum turbidi 95 <sup>th</sup> percentile valuation of the monitoring substituted the month.	180 (at least 18) 3.10 0 0 ADDITIONA d because there were nequired: bmitted:  STATISTICAL lity reading: alue: urbidity reading: E value: urbidity reading: urbidity reading: urbidity reading: urbidity reading: urbidity reading: urbidity reading:	Percentage of real Percentage of	neasured as Total Chloridings with a low residence with a low residence workSHEETS que or monitoring/repiliter Profile (9)	dual this month: dual last month:  orting violations rep  in Filter Assess  Average turbidity va Standard deviation:  Average IFE turbidit Standard deviation:	ment (10)  alue:  by value:	0.0 % (6B)  CPE CPE (11)  0.37 NTU 0.189 NTU  0.023 NTU	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if  Settled Stasi Sumr  IF Stasi Sumr	adings this month: ant residual value: ps with a low residu ps with no detectabl andum (Public Notice t(s) for individual fil t(s) for individual fil FE Reports are requ  I Water tical mary E tical mary E tical tical	al: e residual: es) Is not required ter monitoring red ter monitoring sul ifred this month.  Maximum turbid Minimum turbid 95 <sup>th</sup> percentile vo Maximum IFE tur Minimum IFE tur 95 <sup>th</sup> percentile IF Maximum CFE tu	180 (at least 18) 3.10 0 0 ADDITIONA d because there were no quired: bmitted:  STATISTICAL lity reading: ity reading: alue: rbidity reading: bidity reading: re value: urbidity reading: urbidity reading: rbidity reading: rbidity reading: FE value:	Percentage of real Percentage of	neasured as Total Chloridings with a low residings with a low residence of the control of the co	dual this month:  dual last month:  Orting violations reporting violatio	ment (10)  alue:  by value:	0.00 % (6B)  O CPE O CPE (11)  0.37 NTU 0.189 NTU  0.07 NTU 0.023 NTU	
Total number of re Average disinfects Number of reading Number of reading The Page 1 Adde Additional report Additional report No additional if Settled Stasi Sumr IF Stasi Sumr	adings this month: ant residual value: ps with a low residu ps with no detectabl andum (Public Notice t(s) for individual fil t(s) for individual fil FE Reports are requ  I Water tical mary E tical mary E tical mary	al: e residual: es) Is not required ter monitoring reduce ter monitoring substituted this month.  Maximum turbidi 95 <sup>th</sup> percentile valuation of the monitoring substituted the month.	ADDITIONA  d because there were nequired: bmitted:  STATISTICAL  styreading: alue: rbidity reading: bidity reading: re value: urbidity reading: rbidity reading: FE value: STATISTIC	Percentage of real Percentage of	neasured as Total Chloridings with a low residings with a low residence of the control of the co	dual this month:  dual last month:  Orting violations reporting violatio	ment (10)  alue:  by value:	0.00 % (6B)  O CPE O CPE (11)  0.37 NTU 0.189 NTU  0.07 NTU 0.023 NTU	

SURFACE WATER MONTHLY OPERATING REPORT

7.40 pH

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

Summary

95th percentile value:

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

PUBLIC WATER	GULF COAST WATER AUTHORI	TV TV CITV	PLANT N		440 MAD 01/EV VI	TD
STOTEM NAME.	GOLI COAST WATER AUTHORI	TI IXCIII	OR NUM	with the information contained in this re	MAS MACKEY W eport and that,	IP - BRAZOS
PWS ID No.:	0840153		to the best of my knowled	ge, the information is true, complete, a	and accurate.	
Plant ID No.: Report for	14813	Operator's Signature:	1 lingen			
the Month of:	December 2022	Certificate No. & Grade	: WO0043519, A		Date: Jane	uary 9, 2023
		TREATME	NT PLANT PERFORMA	INCE		
Total number of	turbidity readings:	186	Number of 4-hour periods v	vhen plant was off-line:		0
	ngs above 0.10 NTU: ngs above 0.3 NTU:	30	Number of 4-hour periods v			•
	ngs above 0.5 NTU:	0	but turbidity data was not on Number of days when plant			0
	ngs above 1.0 NTU:	0	but individual filter turbidity			0
	able turbidity level:	0.3	Number of days with reading	gs above 1.0 NTU:		0 (2)
Percentage of re	adings above this limit:	0.0 % (1)	Number of days with readin	gs above 5.0 NTU:		0 (3)
Number of days	with a low CT 14.0 consecutive hours:	0	Average log inactivation for			3.31
Number of days			Average log inactivation for			83.70
	Consecutive hours:	0 (4)	Number of days when profil Number of days when CT da			0
Minimum disinfe	ctant residual required leaving th	ne plant:	0.5 mg/L, measured as	s Total Chlorine		
	with a low residual		Minimum pH in the last disi	nfection zone:		7.09
for no more than	4.0 consecutive hours:	0	Number of days with pH bel	ow 7.0 in the last disinfection ze	one:	0.00
	with a low residual		Number of days when disinf			
for more than 4.0	consecutive hours:	0 (5)	leaving the plant was not pr	operly monitored:		0
		DIS	TRIBUTION SYSTEM		to the	
	ant residual required in distributi	on system:	0.5 mg/L, measured as	Total Chlorine		
Total number of re	_	186 (at least 180				
Average disinfecta Number of reading	s with a low residual:	3.13	Percentage of readings with	a low residual this month:		0.0 % (6A)
	s with no detectable residual:		Percentage of readings with	a low residual last month:		0.0 % (6B)
		ADDITIONAL	REPORTS & WORKSH	EETe BESTE		
The Done d Adde	ndone (Dublic Nationa) in material			The second secon	A CONTRACTOR OF THE PARTY OF TH	
	ndum (Public Notices) is not requ					
	(s) for individual filter monitoring (s) for individual filter monitoring	,	● NONE		Filter Assessmer	
	E Reports are required this mont		NONE	O Filter Profile	ilter Assessmen	t (10) CPE (11)
DOT 11111 D.						
P.2-Turbidity Data	<u> </u>	P.3-Filter Data	P.4&5-Disinfec	tion Data P.6-TOCMOR		
Alternate Technol.						
Altr Tec						
		STATISTICAL A	NALYSIS OF TURBIDIT	Y DATA		
Settled		bidity reading:	2.56 NTU	Average turbidity va	lue:	0.56 NTU
Stast Sumn		bidity reading:	0.11 NTU 1.77 NTU	Standard deviation:		0.562 NTU
	N 1000000					
IFE Stast		turbidity reading: turbidity reading:	0.20 NTU 0.04 NTU	Average IFE turbidit Standard deviation:	y value:	0.08 NTU
Sumn			0.16 NTU	Giandard deviation;		0.034 NTU
CF	E Maximum CF	E turbidity reading:	0.16 NTU	Average CFE turbidi	tv value:	0.08 NTU
Stast	ical Minimum CFI	E turbidity reading:	0.04 NTU	Standard deviation:		0.025 NTU
Sumn	pary 95 <sup>th</sup> percentil		0.13 NTU			
			L ANALYSIS OF pH DA	TA		
Last Zo		_	7.48 pH	Average pH value:		7.27 pH
Summ			7.09 pH	Standard deviation:	-	0.114 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



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

## \*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

Lab Sample ID#: AF89485 Sample Priority: NORMAL Water Source:

Entry Point(s): EP001

Date Reported: 03/29/2022

Report ID#: 20220329095004AF89485

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

TCEQ ID#(s): 2218871 Sample Cond.: Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.3	рН			
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 <sup>1</sup>	0.35	mg/L	EPA 300.0	03/18/2022 13:28	NP
Chloride <sup>1</sup>	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 <sup>1</sup>	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



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Carbamates by HPLC **Analysis Report** 

RECEIVED APR 0 5 2022

Submitter Identification Number: 0840153

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

Date Reported: 03/29/2022

Report ID#: 20220329095004AF89632

Lab Sample ID#: AF89632

Water Source:

Date Collected: 03/17/2022 10:16

Conc. Units: µg/L

Sample Priority: NORMAL

Date Received: 03/18/2022

Method: EPA Method 531.1

TCEQ ID#(s): 2219791

Entry Point(s): EP001

Date Analyzed: 03/18/2022

Analyst: LZ

Sample Cond.: Acceptable

Result	Qualifier
<0.5	
<0.8	
<0.5	
< 0.9	
<2.0	
Result	Qualifier
<2.0	
<2.0	
<2.0	
<4.0	
<2.0	
	<0.5 <0.8 <0.5 <0.9 <2.0 Result <2.0 <2.0 <4.0

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



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

## 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

Water Source:

Date Collected: 03/17/2022 10:08

Conc. Units: ug/L

Sample Priority: NORMAL

Entry Point(s): EP001

Date Received: 03/18/2022

TCEQ ID#(s): 2209478

Method: 508.1 Rev. 2.0

Date Analyzed: 03/25/2022

Analyst: JH

Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Chlordane 1	<0.2	
Endrin <sup>1</sup>	< 0.01	
Heptachlor epoxide 1	<0.02	
Toxaphene <sup>1</sup>	<1.	
Screened Compounds	Result	Qualifier
Aroclor 1016 <sup>2</sup>	<0.08	
Aroclor 1221 <sup>2</sup>	<20.	
Aroclor 1232 <sup>2</sup>	<0.5	
Aroclor 1242 <sup>2</sup>	<0.3	
Arocior 1248 <sup>2</sup>	<0.1	
Aroclor 1254 <sup>2</sup>	<0.1	
Aroclor 1260 <sup>2</sup>	<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



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

## Semivolatiles Organic **Analysis Report**

RECT APR 13 2022

Date Reported: 04/07/2022

Report ID#: 20220407102054AF89643

Submitter Identification Number: 0840153

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

Lab Sample ID#: AF89643 Sample Priority: NORMAL

Water Source:

Entry Point(s): EP001

TCEQ ID#(s): 2209478

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

Date Analyzed: 03/22/2022

Conc. Units: µg/L

Method: EPA 525.2 Analyst: KP

10241511(6): 2200110			Extraction Date: 03/21/2022	Sample Cond. :	Acceptable
Regulated Compounds	Result	Qualifier	Monitored Compounds continued	Result	Qualifier
Alachlor 1	<0.2		Dimethylphthalate	<2.0	
Atrazine ¹	0.10	N	Fluorene	<0.20	
Benzo[a]pyrene 1	<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 1	<0.6		Metribuzin	<0.20	
Di(2-ethylhexyl) phthalate 1	<0.6		Naphthalene	<0.20	
Heptachlor 1	<0.04		2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
Hexachlorobenzene 1	<0.1		2,2',3',4,6-Pentachlorobiphenyl	< 0.20	
Hexachlorocyclopentadiene 1	<0.1	*	Phenanthrene	<0.20	
Lindane 1	<0.02		Propachlor	<0.20	
Methoxychlor <sup>1</sup>	< 0.1		Pyrene	< 0.20	
Simazine 1	< 0.07		2,2',4,4'-Tetrachlorobiphenyl	<0.20	
Monitored Compounds	Result	Qualifier	2,4,5-Trichlorobiphenyl	<0.20	
Acenaphthene	<0.20		Trifluralin	<0.20	
Acenaphthylene	<0.20		Tentatively Identified Compounds	Result	Qualifier
Aldrin	<0.20		HEXADECANOIC ACID	6.6	5
Anthracene	<0.20		OCTADECANOIC ACID	14	
Benzo(a)anthracene	<0.20		Tentative identification of the largest non-target pe	eaks is provided by	
Benzo[b]fluoranthene	<0.20		comparison with the EPA/NiH mass spectral librar quantitation is performed using internal standards		
Benzo[g,h,i]perylene	< 0.20		response factor of one.	and an assumed	
Benzo[k]fluoranthene	<0.20		Comments:		
Bromacil	<0.20	KX	N - See sample comments.	1	
Butachlor	<0.20		* - This analyte has known instability and/or performance issues and quantitation should		
Butylbenzylphthalate	<2.0		approximate.		
2-Chlorobiphenyl	<0.20		K - The associated laboratory fortified blank		
Chrysene	<0.20		duplicate) recovery was above method accept X - The Minimum Reporting Limit (MRL) veri		not
Dibenz[a,h]anthracene	<0.20		meet the method acceptance limits.		
Di-n-butylphthalate	<2.0		EPA Method 525.2-Presence of Atrazine		
2,3-Dichlorobiphenyl	<0.20		previous analyses per the Texas Drinking		
Dieldrin	< 0.20		website. The test results on this report re sample identified on this report. The test		ıtas



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## 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

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 Reported: 04/07/2022

Date Analyzed: 03/22/2022

Extraction Date: 03/21/2022

Report ID#: 20220407102054AF89643

Conc. Units: µg/L

Method: EPA 525.2 Analyst: KP

Sample Cond. : Acceptable

Authorized by Group Manager TDUNN on 04/07/2022



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

#### 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

Lab Sample ID#: AF95672

Sample Priority: NORMAL.

TCEQ ID#(s): 2255241

Water Source:

Entry Point(s): DBP2-01

Date Reported: 05/19/2022

Report ID#: 20220519085401AF95672

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



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#### **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

Water Source:

Date Received: 05/06/2022

Date Collected: 05/04/2022 11:24

Conc. Units: µg/L

Entry Point(s): DBP2-01

Date Analyzed: 05/13/2022

Method: 552.2 Rev 1.0

TCEQ ID#(s): 2255241

Analyst: JL

Extraction Date: 05/12/2022

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



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> **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

Water Source:

Date Collected: 03/17/2022 10:16

Conc. Units: µg/L

Sample Priority: NORMAL

Date Received: 03/18/2022

Entry Point(s): EP001

Method: 504.1 Rev. 1.1

TCEQ ID#(s): 2224792

Date Analyzed: 03/24/2022 03:41

Analyst: DP

Extraction Date: 03/23/2022

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



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# \*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

Lab Sample ID#: AF89505

39505 Water Source :

Entry Point(s): EP001

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

Date Reported: 04/26/2022

Report ID#: 20220426105813AF89505

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 <sup>1</sup>	< 0.0200	mg/L	EPA 200.8	04/05/2022	TH
Antimony <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	04/05/2022	TH
Arsenic <sup>1</sup>	< 0.0020	mg/L	EPA 200.8	04/05/2022	TH
Barium <sup>1</sup>	0.0944	mg/L	EPA 200.8	04/05/2022	TH
Beryllium <sup>1</sup>	< 0.00080	mg/L	EPA 200.8	04/05/2022	TH
Cadmium <sup>1</sup>	< 0.0010	mg/L	EPA 200.8	04/05/2022	TH
Calcium	44.1	mg/L	EPA 200.7	03/23/2022	KL
Chromium <sup>1</sup>	< 0.0100	mg/L	EPA 200.8	04/05/2022	TH
Copper <sup>1</sup>	0.0153	mg/L	EPA 200.8	04/05/2022	TH
Iron <sup>1</sup>	< 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 <sup>1</sup>	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 <sup>1</sup>	< 0.00040	mg/L	EPA 245.1	03/25/2022	BF
Nickel <sup>1</sup>	0.0034	mg/L	EPA 200.8	04/05/2022	TH
Potassium <sup>1</sup>	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 <sup>1</sup>	47.4	mg/L	EPA 200.7	03/23/2022	KL
Thallium <sup>1</sup>	< 0.00040	mg/L	EPA 200.8	04/05/2022	TH
Zinc <sup>1</sup>	0.121	mg/L	EPA 200.8	04/05/2022	TH

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.

Authorized by Team Lead EBOYER on 04/22/2022



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RECEIVED Herbicides in Drinking Water MAY 0 2 2022 **Analysis Report** 

Submitter Identification Number: 0840153

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

Lab Sample ID#: AF89621

Sample Priority: NORMAL

Entry Point(s): EP001

TCEQ ID#(s): 2222214

Water Source

Report ID#: 20220426105813AF89621

Date Reported: 04/26/2022

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 <sup>1</sup>	<0.1	
2,4,5-TP (Silvex) 1	<0.2	
Pentachlorophenol 1	<0.04	
Dalapon <sup>1</sup>	<1	
Dinoseb <sup>1</sup>	<0.2	
Picloram <sup>1</sup>	<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

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

#### Collection Date: 3/17/2022

Water analyses are required by law (30 TAC 5290, TBSC \$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 orime 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

WATER SYSTEM REPRESENTATIVE

JOSE GARCIA

SAMPLING TECHNICIAN

					= =====		SAMPLING T	ECHNICIAN			THE PERSON NAMED IN	and or Michigan	S1 52 153 14	B. Color
	LOCATIO									***				**
FACILITY ID: EPOO1 FACILITY LOCATION		TY LOCATION	: 4001	5TH AVE N,	TRXAS CITY				LAT: N 2	9.3883	163			
SAMPLE POINT: TRT-TAP SAMPLE LOCATI		LE LOCATION	: Main	LAB				L	OMG: W -	94.956	713			
TAP FLU	JSEING - S	TART: 9:47	E	REE CHLÒRI	ne residual	:	mg/L			9	'EMPERAI	URE: 68	'F	
		END: 10:16	TO	TAL CHLORI	NE RESIDUAL	: 3.03	mg/L					pH: 7.3		
	SAMPLE	analysis								SAMPLE		SAMPLE TYPE		- COMPLI -
TIME	ID	TYPE	CONTAI				ERVATION			PERIOD	LAB			
10:08:39	2209478	SOC5	1 L A	ABER GLASS		SODI	um sulfitz	, HCl PE<2, CO	OL 4C, DARK	YR2022	DSHS	RT	N	AES
10:09:45	2216389	MTL1	1 L PI	ASTIC OR (	LASS	NO F	TELD PRESE	rvation		YR2022	DSES	RT	N	yzs
				***********										
							4.0			YR2022	beste	RT	M	YES
10:08:47	2218871	MIN	1 1 51	ASTIC OR C	LASS	COOL	86			INZUZZ	11949			
10:16:13	2219791	531	2 - 60	ML GLASS		SODI	UM TRIOSULI	PATE, MCA PH<3,	COOL 4C	3Y2022	DSES	RT	N	YES
40.46.00	0000014	E4 E	0 40	NOT RECORDED	OT 3 55	CORT	IN GHT DTDD	COOL 10C, DAR	057	3¥2022	DSHS	ਸਾਸ	M	TES
10:16:20	2222214	DTD	2 - 80	HIL MINDER	GIMOS	SOUT	ON GOINTIN	COOD ROC, DA	Cat.	915000	2424		***	
					FIELD BLA	SODI	um thiosula	PATE, COOL AC		3Y2022	DSHS	RT	N	YES
COMMENTS:	LOT DHL C	2/16/22 EXP	05/16/	22										
	0000100	Angen 107-014	2 7 77	a cmar on o	1.500	1000	מסדר אפינה	NAOH PH>12, CO	OF AC	YR2022	DSRS	क्षि	N	YES
10:16:37	2228403	CYANIDE	THEF	TATAL OFF	umço	23000	mare merel,	recom estrate, co	and a se	as as the Of Earth				
10:16:38	2241021	nitrite	100 ML	PLASTIC C	R GLASS	COOL	4C			972022	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.tosq.texas.gov/NFM/

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 Emul: FMSCHEMBICSQ.texas.gov Wabsite: http://www.tcsq.texas.gov

PWS 0840153 AC \_20220504\_Sample Collection Report

## Public Water System Sample Collection Analysis Report

Public Water System ID #: TX0840153

Report to:

COMMENTS: 6

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. Falcification 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

WATER SYSTEM REPRESENTATIVE

JOSE GARCIA

SAMPLING LOCATION FACILITY LOCATION: DISTRIBUTION SYSTEM LAT: N 29.388338 FACILITY ID: DSOI LONG: W -94.956773 SAMPLE LOCATION: 3630 FM 1765-MAIN OFFICE RR SAMPLE POINT: DBP2-01 TEMPERATURE: 78 'F FREE CHLORINE RESIDUAL: TAP FLUSHING - START: 11:00 ma/L TOTAL CHLORINE RESIDUAL: 3.3 mg/L pH: 7.6 END: 11:24 PRIOR- COMPLI-SAMPLE SAMPLE SAMPLE ANALYSIS ANCE PERIOD TYPE ITY LAB TIME ID TYPE PRESERVATION dses rt n yes 2255241 DBP2 2-40 ML CLEAR/2-60 ML AMBER Na2S203/NE4C1, COOL 4C, DARK YR2022 11:24:36

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/DNW/

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: FWSCHENEteq.texas.gov Website: http://www.toeq.texas.gov

PWS\_0840153\_AC \_20220722\_Sample Collection Report

#### 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, TESC \$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

WATER SYSTEM REPRESENTATIVE

JOSE GARCIA

SAMPLING TECHNICIAN

SAMPLING LOCATION FACILITY ID: EPO01

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: --

TEMPERATURE: 84 pH: 7.8

END: 10:16 ANALYSIS SAMPLE ID TIME

TOTAL CHLORINE RESIDUAL: 3.86 mg/L PRESERVATION CONTAINER

SAMPLE COTRAG LAB

SAMPLE PRIOR- COMPLI-ITY ANCE TYPE

2 - 40 ML GLASS & FIELD BLA ASCORBIC ACID, HCl PH<2, COOL 4C 10:20:19 2206800 VOC

YR2022 DSHS RT

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



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## Volatile Organic Compounds 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

Lab Sample ID#: AG06107 Sample Priority: NORMAL

Entry Point(s): EP001

TCEQ ID#(s): 2206800

trans-1,3-Dichloropropene

Water Source: Date Collected: 07/22/2022 10:20

Date Received: 07/26/2022 Date Analyzed: 07/27/2022

Report ID#: 20220816120641AG06107

RECEIVED

Date Reported: 08/16/2022

AUG 2 3 2022

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

Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier	М
Benzene <sup>1</sup>	<0.5		1
Carbon tetrachloride 1	<0.5		1
Monochlorobenzene 1	< 0.5		n-
o-Dichlorobenzene 1	<0.5		n-
para-Dichlorobenzene 1	<0.5		N
1,2-Dichloroethane 1	< 0.5		Н
1,1-Dichloroethylene 1	<0.5		1,
cis-1,2-Dichloroethylene 1	< 0.5		4-
trans-1,2-Dichloroethylene 1	<0.5		ls
1,2-Dichloropropane 1	<0.5		t-I
Dichloromethane 1	< 0.5		S-
Ethylbenzene <sup>1</sup>	< 0.5		Tr
Styrene 1	<0.5		D
Tetrachloroethylene 1	< 0.5		Bi
Toluene 1	< 0.5		Ot
1,2,4-Trichlorobenzene 1	< 0.5		-
1,1,1-Trichloroethane 1	<0.5		A
1,1,2-Trichloroethane 1	<0.5		Ad
Trichloroethylene 1	<0.5		2-
Vinyl chloride <sup>1</sup>	<0.5		Ca
Xylenes (total) 1	<0.5		Et
Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier	2- loc
Chloroform	2.9		Me
Bromodichloromethane	11		4-
Dibromochloromethane	24		Me
Bromoform	16		Te
Dibromomethane	<1.0		Co
	-1.0		
1,3-Dichlorobenzene	<1.0		G.
1,3-Dichlorobenzene			G.
	<1.0		G Th
1,3-Dichlorobenzene 1,1-Dichloropropene	<1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane	<1.0 <1.0 <1.0 <1.0 <1.0	G	G Th
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane	<1.0 <1.0 <1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane	<1.0 <1.0 <1.0 <1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane 1,2,3-Trichloropropane 1,1,1,2-Tetrachloroethane Chloroethane	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane 1,2,3-Trichloropropane 1,1,1,2-Tetrachloroethane	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <1.0 <1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane 1,2,3-Trichloropropane 1,1,1,2-Tetrachloroethane Chloroethane	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <1.0 <1.0 <1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane 1,2,3-Trichloropropane 1,1,1,2-Tetrachloroethane Chloroethane 2,2-Dichloropropane 2-Chlorotoluene 4-Chlorotoluene	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <1.0 <1.0 <1.0 <1.0 <1.0	G	G Th ide
1,3-Dichlorobenzene 1,1-Dichloropropene 1,1-Dichloroethane 1,1,2,2-Tetrachloroethane 1,3-Dichloropropane Chloromethane Bromomethane 1,2,3-Trichloropropane 1,1,1,2-Tetrachloroethane Chloroethane 2,2-Dichloropropane 2-Chlorotoluene	<1.0 <1.0 <1.0 <1.0 <1.0 <2.0 <2.0 <1.0 <1.0 <1.0 <1.0	G	G Th ide

	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 accepta-	nce limits.	
1	The test results on this report relate only to the identified on this report. The test results for an meet all TNI (2016 Standard) requirements.  Authorized by Group Manager TDUNN or	nalytes not	

<1.0

<b>PWS</b>	C	)	В	W	N
and the same			- bushash		



## 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 AUTHOIZ ITY
Public Water System (PWS) name: Gour Coast Water Authorz ty  PWS ID:
30 TAC 290.46(q)(1) requires that your PWS make an adequate, good-faith effort to reach <u>all</u> 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 AUTHORZITY
Public Water System (PWS) name: Gour Coast Water Authority  PWS ID:
30 TAC 290.46(q)(1) requires that your PWS make an adequate, good-faith effort to reach <u>all</u> 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: 2	181-947-1917
Certified by: (print name): Toncy	Garcia	Т	itle: WATER TREATMENT
Signature: Outour of A	ann		Date: 02/08/22
E-mail (PWSBWN@tceq.texas.go	ov) or mail a c	opy of this o	completed form, <u>AND</u>
copies of the Boil Water Notice g	given to your ci	ustomers to	o: TCEQ - Water Supply
Division MC - 155, Attn: Public	Notice. P. O. B	OX 13087 A	ustin, TX 78711-3087