

The Sabine River Authority An Agency of the State of Texas www.sratx.org Environmental Services Division Water Quality Laboratory 1895 I-P Way Orange, TX 77632 (409) 746-3284 Fax: (409) 746-2249

ANALYTICAL REPORT

Attn: Summer Morse Southeast Texas Water Conditioning Inc. P O BOX 3665 Beaumont TX 77726-7068 Order ID: 202207341 Project ID: Special Project Received Date: 7/19/2022 12:20:00 PM Customer PO:

The test results in this report meet all NELAP requirements related to SRA's NELAP accredited parameters unless noted otherwise. As of April 22, 2008, all reports and associated data will be retained by SRA for a minimum of five (5) years, unless prior written agreement is made with the client.

Due to the uncertainty of analytical measurements, the use of the measured values in this report for regulatory compliance must be evaluated by the client.

Results are related to the samples received. This report shall not be reproduced except in full without written approval of the SRA laboratory.

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NELAP Accredited #T104704266-22-19

Jolie Holtham

Reviewed and Released Pollie Holtham, Technical Director pholtham@sratx.org

Prepared For:Southeast Texas Water Conditioning Inc.Project Name:Southeast Texas Water Conditioning Inc

Receive Date: 7/19/2022 12:20:00 PM

Collector: SUMMER MORSE

-								
Sample #:	202207341-001	Collected:	7/19/2022		10:55	Site: 10	00075	
Customer:	EWQP EP		n	Matrix: Drink	ing Water			
Test		Method	Result	Units	RDL	Qualifier	Analy	sis Information
Sulfate		EPA 300.0 Rev. 2.1	<5	mg/L	5		bedgerly	7/20/2022 4:59:00 PM
Residue, Tot	al Dissolved Solids	SM 2540C-97	256	mg/L	10		ltipton	7/22/2022 10:06:00 AM
Conductivity	, Temperature	SM 2510B-97	24.9000000	°C			cbarbore	7/27/2022 10:30:00 AM
Conductivity		SM 2510B-97	431	µmhos/cm	1		cbarbore	7/27/2022 10:30:00 AM
Chloride		EPA 300.0 Rev. 2.1	45.9	mg/L	5		bedgerly	7/20/2022 4:59:00 PM
Alkalinity, To	tal	SM 2320B-97	151.0	mg/L	20		rsundet	7/20/2022 12:50:00 PM
Alkalinity pH	End Point	SM 2320B-97	4.50	pH Units			rsundet	7/20/2022 12:50:00 PM
Sample #:	202207341-002	Collected:	7/19/2022		10:55	Site: 10	00075	
Customer:	EWQP EP		1	Matrix: Drink	ing Water			
Test		Method	Result	Units	RDL	Qualifier	Analy	sis Information
Manganese,	Total	EPA 200.8 Rev 5.4	67.8	µg/L	0.5		rsundet	7/25/2022 2:38:00 PM
Hardness, To	otal, Titrimetric	SM 2340C-97	140.0	mg/L as Ca	a 5		ltipton	7/25/2022 10:25:00 AM
Sample #:	202207341-003	Collected:	7/19/2022		10:55	Site: 10	00075	
Customer:	EWQP EP		٩	Matrix: Drink	ing Water			
Test		Method	Result	Units	RDL	Qualifier	Analy	sis Information
Subcontract		Subcontract	Attached				Eurofins	
Sample #:	202207341-004	Collected:	7/19/2022		10:40	Site: 10	00075	
Customer:	LCR 15		1	Matrix: Drink	ing Water			

Test	Method	Result	Units	RDL	Qualifier	Analys	sis Information
Sulfate	EPA 300.0 Rev. 2.1	<5	mg/L	5		bedgerly	7/20/2022 5:29:00 PM
Residue, Total Dissolved Solids	SM 2540C-97	263	mg/L	10		ltipton	7/22/2022 10:06:00 AM
Conductivity, Temperature	SM 2510B-97	24.9000000	°C			cbarbore	7/27/2022 10:30:00 AM
Conductivity	SM 2510B-97	431	µmhos/cm	1		cbarbore	7/27/2022 10:30:00 AM
Chloride	EPA 300.0 Rev. 2.1	46.1	mg/L	5		bedgerly	7/20/2022 5:29:00 PM
Alkalinity, Total	SM 2320B-97	151.0	mg/L	20		rsundet	7/20/2022 12:50:00 PM
Alkalinity pH End Point	SM 2320B-97	4.50	pH Units			rsundet	7/20/2022 12:50:00 PM

Prepared For:	Southeast Texas Water	Conditioning Inc.		Red	ceive Date:	7/19/2022 12	2:20:00 PM		
Project Name:	Southeast Texas Water	Conditioning Inc		Col	lector:	SUMMER M	IORSE		
Sample #:	202207341-005	Collected:	7/19/2022		10:40	Site: 10	00075		
Customer:	LCR 15		I	Matrix: Drir	nking Water				
Test		Method	Result	Units	RDL	Qualifier	Analys	sis Information	
Manganese,	Total	EPA 200.8 Rev 5.4	64.6	µg/L	0.5		rsundet	7/25/2022 2:43:00	PM
Hardness, To	otal, Titrimetric	SM 2340C-97	148.0	mg/L as (Ca 5		ltipton	7/25/2022 10:25:00	D AM
Sample #:	202207341-006	Collected:	7/19/2022		10:40	Site: 10	00075		
Customer:	LCR 15		I	Matrix: Drir	nking Water				
Test		Method	Result	Units	RDL	Qualifier	Analys	sis Information	
Subcontract		Subcontract	Attached				Eurofins		

Prepared For: Southeast Texas Water Conditioning Inc. Project Name: Southeast Texas Water Conditioning Inc Receive Date: 7/19/2022 12:20:00 PM

Collector: SUMMER MORSE

QUALITY CONTROL DATA: BLANKS

Sample Number

202207341-001

Alkalinity, Total

	QCType	QCBatchID	Result	Qualifier
	Method Blank	LB051796	4.5	
	Method Blank	LB051796	0.0	
Chloride				

QCType	QCBatchID	Result	Qualifier
ССВ	LB051803	<5.0	
CCB01	LB051803	<5.0	
Method Blank	LB051803	<5.0	

Conductivity, Lab

QCType	QCBatchID	Result	Qualifier
Method Blank	LB051862	25.1	
Method Blank	LB051862	0.725	

Residue, Total Dissolved Solids

QCType	QCBatchID	Result	Qualifier
Method Blank	LB051830	1.00	

Sulfate

QCType	QCBatchID	Result	Qualifier
ССВ	LB051807	<5.0	
CCB01	LB051807	<5.0	
Method Blank	LB051807	<5.0	

Sample Number

Hardness, Total, Titrimetric

QCType	QCBatchID	Result	Qualifier
Method Blank	LB051835	<5	
Manganese, Total			
QCType	QCBatchID	Result	Qualifier

202207341-002

Prepared For: Project Name:	Southeast Texas Water Co Southeast Texas Water Co	nditioning Inc. nditioning Inc		Receive Date: Collector:	7/19/2022 12:20:00 PM SUMMER MORSE
	ССВ	LB051849	<1		
	CCB01	LB051849	<1		
	CCB02	LB051849	<1		
	CCB03	LB051849	<1		
	CCB04	LB051849	<1		
	CCB05	LB051849	<1		
	Method Blank	LB051849	-0.00		

Sample Number

Alkalinity, Total

<i>QCType</i>	QCBatchID	Result	Qualifier
Method Blank	LB051796	4.5	
Method Blank	LB051796	0.0	

202207341-004

Chloride

QCType	QCBatchID	Result	Qualifier
ССВ	LB051803	<5.0	
CCB01	LB051803	<5.0	
Method Blank	LB051803	<5.0	

Conductivity, Lab

QCType	QCBatchID	Result	Qualifier
Method Blank	LB051862	25.1	
Method Blank	LB051862	0.725	

Residue, Total Dissolved Solids

QCType	QCBatchID	Result	Qualifier
Method Blank	LB051830	1.00	

Sulfate

QCType	QCBatchID	Result	Qualifier
ССВ	LB051807	<5.0	
CCB01	LB051807	<5.0	
Method Blank	LB051807	<5.0	

Sample Number 202207341-005

Hardness, Total, Titrimetric

	QCType	QCBatchID	Result	Qualifier	
Report Date	Thursday, Jul	y 28, 2022			Page

<5

Receive Date:	7/19/2
Collector:	SUMM

7/19/2022 12:20:00 PM SUMMER MORSE

Method Blank

Prepared For: Southeast Texas Water Conditioning Inc.

Project Name: Southeast Texas Water Conditioning Inc

Manga	Manganese, Total							
	QCType	QCBatchID	Result	Qualifier				
	ССВ	LB051849	<1					
	CCB01	LB051849	<1					
	CCB02	LB051849	<1					
	CCB03	LB051849	<1					
	CCB04	LB051849	<1					
	CCB05	LB051849	<1					
	Method Blank	LB051849	-0.00					

LB051835

QUALITY CONTROL DATA: STANDARDS

SampleNumber		202207.	341-001				
Alkalinity	v, Total			QC Batch ID	: LB0517	96	
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL
	LCS	70.4	80		88.0	80.0	120.0
	QCS INV#112124	55.0	56.1		98.0	90.6	108.0
	CheckStandard	18.1	20		90.5	70.0	130.0
Chloride				QC Batch ID	: LB0518	03	
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL
	CCV	20.0	20		100.0		
	CCV01	20.0	20		100.0		
	CheckStandard	4.94	5		98.8		
	ICV	19.8	20		99.0		
	LCS	20.1	20		100.5		
Conducti	vity, Lab			QC Batch ID	: LB0518	62	
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL

gerype	псзии	эрікентойт	Qualifier	1 creenthecovery	LUL	UCL	
LCS	10.40	10.08		103.2	92.4	111.4	
QCS INV#112124	413	422		97.9	94.8	106.0	
Standard	100	100		100.0	98.0	101.2	

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Prepared For: Project Name	r: Southeast Texas Water Conditioning Inc.e: Southeast Texas Water Conditioning Inc			Red Co	Receive Date: 7/19/2022 12:20:00 PM Collector: SUMMER MORSE			
Residue,	Total Dissolved	Total Dissolved Solids			QC Batch ID: LB051830			
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL	
	LCS INV#112093	286	294		97.3	85.0	110.0	
Sulfate				QC Batch IL	D: LB0518	307		
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL	
	CCV01	19.7	20		98.5			
	LCS	19.7	20		98.5			
	CheckStandard	4.97	5		99.4			
	CCV	19.7	20		98.5			
	ICV	19.6	20		98.0			
SampleNi	umber	202207	341-002					
Hardnes	s, Total, Titrime	tric		QC Batch IL	D: LB0518	335		
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL	
	LCS	20	20		100.0	100.0	100.0	
	QCS INV#111859	160	153		104.6	91.5	107.0	
	Standard	100	100		100.0	80.0	120.0	
Mangano	ese, Total			QC Batch ID: LB051849				
	QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL	
	CheckStandard	0.92	1		92.0	70.0	130.0	
	ICV	97.6	100		97.6	90.0	110.0	
	CCV	97.8	100		97.8	85.0	115.0	
	CCV01	98.0	100		98.0	85.0	115.0	
	CCV02	97.3	100		97.3	85.0	115.0	
	CCV03	98.2	100		98.2	85.0	115.0	
	CCV03 CCV04	98.2 99.0	100 100		98.2 99.0	85.0 85.0	115.0 115.0	
	CCV03 CCV04 CCV05	98.2 99.0 99.1	100 100 100		98.2 99.0 99.1	85.0 85.0 85.0	115.0 115.0 115.0	
SampleNu	CCV03 CCV04 CCV05 umber	98.2 99.0 99.1 202207	100 100 100 341-004		98.2 99.0 99.1	85.0 85.0 85.0	115.0 115.0 115.0	
SampleNu <i>Alkalinit</i>	CCV03 CCV04 CCV05 umber ty, Total	98.2 99.0 99.1 202207	100 100 100 341-004	QC Batch IL	98.2 99.0 99.1): LB0517	85.0 85.0 85.0 796	115.0 115.0 115.0	
SampleNu Alkalinit	CCV03 CCV04 CCV05 umber ty, Total QCType	98.2 99.0 99.1 202207 <i>Result</i>	100 100 100 341-004 SpikeAmount	QC Batch IL Qualifier	98.2 99.0 99.1 D: LB0517 PercentRecovery	85.0 85.0 85.0 796 <i>LCL</i>	115.0 115.0 115.0 <i>UCL</i>	

			20	Order ID 02207341				
Prepared For: Project Name:	Southeast Texas \ Southeast Texas \	Water Condit Water Condit	tioning Inc. tioning Inc	R	eceive Date: 7 ollector: 5	7/19/2022 12:20:0 SUMMER MORS	00 PM E	
	QCS INV#112124	55.0	56.1		98.0	90.6	108.0	
	CheckStandard	18.1	20		90.5	70.0	130.0	
Chloride				QC Batch I	<i>D:</i> L	B051803		
	QCType	Result	SpikeAmount	Qualifier	PercentRec	overy LCL	UCL	
	CCV	20.0	20		100.0			
	CCV01	20.0	20		100.0			
	CheckStandard	4.94	5		98.8			
	ICV	19.8	20		99.0			
	LCS	20.1	20		100.5			
Conducti	vity, Lab			QC Batch I	<i>D:</i> L	B051862		
	QCType	Result	SpikeAmount	Qualifier	PercentRec	overy LCL	UCL	
	LCS	10.40	10.08		103.2	92.4	111.4	
	QCS INV#112124	413	422		97.9	94.8	106.0	
	Standard	100	100		100.0	98.0	101.2	
Residue,	Total Dissolved	Total Dissolved Solids		QC Batch ID: LB0518		B051830	30	
	QCType	Result	SpikeAmount	Qualifier	PercentRec	overy LCL	UCL	
	LCS INV#112093	286	294		97.3	85.0	110.0	
Sulfate				QC Batch ID: LB051807				
	QCType	Result	SpikeAmount	Qualifier	PercentRec	overy LCL	UCL	
	CCV01	19.7	20		98.5			
	LCS	19.7	20		98.5			
	CheckStandard	4.97	5		99.4			
	CCV	19.7	20		98.5			
	ICV	19.6	20		98.0			
SampleNu	ımber	202207	341-005					
Hardness	s, Total, Titrime	tric		QC Batch I	<i>D</i> : L	B051835		
	QCType	Result	SpikeAmount	Qualifier	PercentRec	overy LCL	UCL	
	LCS	20	20		100.0	100.0	100.0	

Standard

QCS INV#111859

160

100

153

100

107.0

120.0

91.5

80.0

104.6

100.0

Prepared For:	Southeast Texas Water Conditioning Inc.	Receive Date:	7/19/2022 12:20:00 PM
Project Name:	Southeast Texas Water Conditioning Inc	Collector:	SUMMER MORSE

ese, Total			QC Batch I	D: LB0518	349	
QCType	Result	SpikeAmount	Qualifier	PercentRecovery	LCL	UCL
ICV	97.6	100		97.6	90.0	110.0
CCV	97.8	100		97.8	85.0	115.0
CCV01	98.0	100		98.0	85.0	115.0
CCV02	97.3	100		97.3	85.0	115.0
CCV03	98.2	100		98.2	85.0	115.0
CCV04	99.0	100		99.0	85.0	115.0
CCV05	99.1	100		99.1	85.0	115.0
CheckStandard	0.92	1		92.0	70.0	130.0

QUALITY CONTROL DATA: SPIKES

Sample Number 202207341-001

Alkalinit	y, Total			QC Ba	atch ID:	LB()51796	
QCType	QCSamples.	Result	Qualifier	% Recovery	RPD	LCL	UCL	RPD CL
Replicate	202207029-002							
LCSD		70.8		88.5	0.6			7.3
Replicate	202207029-002	30.0			0.3			20.0

LCSD

Chloride				QC Ba	atch ID:	LB(051803	
QCType	QCSamples.	Result	Qualifier	% Recovery	RPD	LCL	UCL	RPD CL
LCSD		20.1		100.5	0.0			
LFM	202207083-007	23.8		96.0				
LFM01	202207212-003	23.8		95.0				
LFMD	202207083-007	23.8		96.0	0.0			
LFMD01	202207212-003	23.8		95.0	0.0			

epared For:	Southeast Texas Wa	ter Conditio	ning Inc.	R	eceive Date	: 7/19/20	022 12:20:00) PM
oject Name:	Southeast Texas Wa	ter Conditio	ning Inc	C	collector:	SUMM	ER MORSE	
Conduct	ivity, Lab			QC Ba	utch ID:	LB()51862	
QCType	QCSamples.	Result	Qualifier	% Recovery	RPD	LCL	UCL	RPD CL
Replicate	202207341-001	25.0			0.4			
Replicate	202207341-001	431			0.0			1.4
Residue,	Total Dissolved	Solids		QC Ba	atch ID:	LB(051830	
QCType	QCSamples.	Result	Qualifier	% Recovery	RPD	LCL	UCL	RPD CL
Replicate	202207308-001	541			0.2			3.0
Sulfate				QC Ba	atch ID:	LB()51807	
QCType	QCSamples.	Result	Qualifier	% Recovery	RPD	LCL	UCL	RPD CL
LFMD	202207083-007	28.9		95.0	0.3			
				96.0				
LFM	202207083-007	29.0						
LFM LCSD Sample I	202207083-007 Number 2	29.0 19.7 2022073 4	41-002	98.5	0.0			
LFM LCSD Sample I <i>Hardnes</i>	202207083-007 Number 2 <i>s, Total, Titrime</i>	29.0 19.7 20220734 tric	41-002	98.5 <i>QC Ba</i>	0.0 atch ID:	LB)51835	
LFM LCSD Sample I Hardnes QCType	202207083-007 Number 2 s, Total, Titrime QCSamples.	29.0 19.7 20220734 tric <u>Result</u>	41-002 Qualifier	98.5 QC Ba % Recovery	0.0 atch ID: RPD	LB(LCL	051835 UCL	RPD CL
LFM LCSD Sample f Hardnes QCType Replicate	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006	29.0 19.7 20220734 tric <u>Result</u> 40	41-002 Qualifier	98.5 QC Ba % Recovery	0.0 <i>atch ID:</i> <i>RPD</i> 0.0	LB(LCL	051835 UCL	<i>RPD CL</i> 10.0
LFM LCSD Sample f Hardnes QCType Replicate MS	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006	29.0 19.7 20220734 tric <u>Result</u> 40 140	41-002 Qualifier	98.5 <i>QC Ba</i> % <i>Recovery</i> 100.0	0.0 utch ID: RPD 0.0	LB(<i>LCL</i> 80.0	051835 UCL 120.0	<i>RPD CL</i> 10.0
LFM LCSD Sample I Hardnes QCType Replicate MS LCSD	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006	29.0 19.7 2022073 <i>tric</i> Result 40 140 20	41-002 Qualifier	98.5 <i>QC Ba</i> % <i>Recovery</i> 100.0 100.0	0.0 atch ID: RPD 0.0	LB(<i>LCL</i> 80.0	051835 UCL 120.0	<i>RPD CL</i> 10.0
LFM LCSD Sample I Hardnes QCType Replicate MS LCSD Mangan	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006 ese, Total	29.0 19.7 20220734 tric <u>Result</u> 40 140 20	41-002 Qualifier	98.5 <i>QC Ba</i> % <i>Recovery</i> 100.0 100.0 <i>QC Ba</i>	0.0 atch ID: <u>RPD</u> 0.0 atch ID:	LB(<i>LCL</i> 80.0	051835 <u>UCL</u> 120.0	<i>RPD CL</i> 10.0 0.0
LFM LCSD Sample I Hardnes QCType Replicate MS LCSD Mangan QCType	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006 ese, Total QCSamples.	29.0 19.7 20220734 tric Result 40 140 20 Result	41-002 Qualifier Qualifier	98.5 <i>QC Ba</i> % <i>Recovery</i> 100.0 100.0 <i>QC Ba</i> % <i>Recovery</i>	0.0 atch ID: RPD 0.0 atch ID: RPD	LB(<i>LCL</i> 80.0 LB(<i>LCL</i>	051835 <u>UCL</u> 120.0 051849 <u>UCL</u>	RPD CL 10.0 0.0 RPD CL
LFM LCSD Sample 1 Hardnes QCType Replicate MS LCSD Mangan QCType LFMD	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006 202207029-006 ese, Total QCSamples. 202207341-002	29.0 19.7 20220734 tric Result 40 140 20 Result 169	41-002 Qualifier Qualifier	98.5 <i>QC Ba</i> % <i>Recovery</i> 100.0 100.0 <i>QC Ba</i> % <i>Recovery</i> 101.2	0.0 <i>utch ID:</i> <i>RPD</i> 0.0 <i>utch ID:</i> <i>RPD</i> 0.0	LB(<i>LCL</i> 80.0 LB(<i>LCL</i>	051835 UCL 120.0 051849 UCL	<i>RPD CL</i> 10.0 0.0 <i>RPD CL</i> 20.0
LFM LCSD Gample f Hardnes QCType Replicate MS LCSD Mangan QCType LFMD LFMD	202207083-007 Number 2 s, Total, Titrime QCSamples. 202207029-006 202207029-006 202207029-006 ese, Total QCSamples. 202207341-002 202207341-002	29.0 19.7 20220734 tric Result 40 140 20 Result 169 169	41-002 Qualifier Qualifier	98.5 QC Ba % Recovery 100.0 100.0 QC Ba % Recovery 101.2 101.2	0.0 atch ID: RPD 0.0 atch ID: RPD 0.0	LB(<i>LCL</i> 80.0 LB(<i>LCL</i> 70.0	051835 UCL 120.0 051849 UCL 130.0	RPD CL 10.0 0.0 RPD CL 20.0
LFM LCSD Sample 1 Hardnes QCType Replicate MS LCSD Mangan QCType LFMD LFMD	202207083-007 Number 2 s, Total, Titrime <u>QCSamples.</u> 202207029-006 202207029-006 ese, Total <u>QCSamples.</u> 202207341-002 202207341-002 202207341-002	29.0 19.7 20220734 tric Result 40 140 20 Result 169 169 20220734	41-002 <i>Qualifier</i> <i>Qualifier</i> 41-004	98.5 QC Ba % Recovery 100.0 100.0 QC Ba % Recovery 101.2 101.2	0.0 atch ID: RPD 0.0 atch ID: RPD 0.0	LB(<i>LCL</i> 80.0 LB(<i>LCL</i> 70.0	051835 UCL 120.0 051849 UCL 130.0	<i>RPD CL</i> 10.0 0.0 <i>RPD CL</i> 20.0
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Hardness QCType	s, Total, Titrime QCSamples.	tric Result	Qualifier	QC E % Recovery	Batch ID: RPD	LB()51835 UCL	RPD CI
Handerse	Total Titaire	tuia		007				
занные г	NUTIDEI 4	20220734	1-002					
Samplo M	Jumber	20220734	11-005					
LFM	202207083-007	29.0		96.0				
LFMD	202207083-007	28.9		95.0	0.3			
$\frac{2}{\text{LCSD}}$	~	19.7	~	98.5	0.0			
OCTvne	OCSamples.	Result	Oualifier	QC E % Recoverv	satch ID: RPD	LEL	$\frac{151807}{UCL}$	RPD CI
Sulfato				001	Datab ID	1.77	051007	-
Replicate	202207308-001	541	2	, , 1000701y	0.2		0.01	3.0
OCTvne	OCSamples	Result	Oualifier	% Recovery	RPD		<i>UCL</i>	RPD CI
Residue	Total Dissolved	Solids		OC I	Ratch ID.	ΙD)51820	
Replicate	202207341-001	25.0			0.4			
Replicate	202207341-001	431			0.0			1.4
QCType	QCSamples.	Result	Qualifier	× E	RPD		UCL	RPD CI
Conduct	ivity, Lab			OC H	Batch ID:	LR)51862	
LFM01	202207212-003	23.8		95.0				
LFMD01	202207212-003	23.8		95.0	0.0			
LFMD	202207083-007	23.8		96.0	0.0			
LFM	202207083-007	23.8		96.0				
LCSD		20.1		100.5	0.0			
QCType	QCSamples.	Result	Qualifier	~ % Recovery	RPD	LCL	UCL	RPD CI
Chloride				QC E	Batch ID:	LB()51803	
Replicate	202207029-002	30.0			0.3			20.0
LCSD		70.8		88.5	0.6			7.3
Replicate	202207029-002							
roject Name:	Southeast Texas Wa	ter Condition	ning Inc		Collector:	SUMMI	ER MORSI	=
repared i or.	Southoast Toxas Wa	ter Conditio	ning Inc		Receive Date:	7/10/20	122 12.20.0	
epared For:								

Prepared For: Project Name:	Southeast Texas Wa Southeast Texas Wa	ter Conditior ter Conditior	ning Inc. ning Inc		Receive Date: Collector:	7/19/202 SUMME	22 12:20:00 R MORSE) PM
MS	202207029-006	140		100.0		80.0	120.0	
Replicate	202207029-006	40			0.0			10.0
Marcoare	7 1			000			51040	
wangan	ese, Total			QC B	atch ID:	LB0	51849	
QCType	ese, Total QCSamples.	Result	Qualifier	QC B % Recovery	atch ID: RPD	LB0.	51849 UCL	RPD CL
<i>QCType</i>	<i>QCSamples.</i> 202207341-002	<i>Result</i> 169	Qualifier	<u>QC В</u> % Recovery 101.2	RPD 0.0	LB0.	51849 UCL	<i>RPD CL</i> 20.0

DATA QUALIFIERS

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Reporting limits are adjusted for sample size and dilutions.

3) According to 40 CFR Parts 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible when received by the laboratory.

А	Possible matrix interference present in sample.	
A1	Spike recovery outside of established control limits, indicating a possible matrix interference. Methor performance is demonstrated by acceptable LCS recoveries.	d
В	Sample value reported below RDL for spike (LFM) calculation.	
B1	Target analyte was found in the method blank.	
С	Poor RPD values observed due to the non-homogenous nature of the sample.	
D	Sample reported from a dilution.	
D1	Spike diluted.	
D2	Due to the nature of matrix interferences, sample was diluted prior to analysis.	
D3	50mL dilution was performed on sample prior to analysis.	
Е	The reported concentration exceeds the instrument calibration.	
F	Out of control QA/QC not associated with this sample.	
F1	Continuing Calibration verification (CCV) standard is not associated with the samples reported.	
G	Marginal outlier within 1% of acceptance criteria.	
Н	Analysis was performed in duplicate to validate result.	
Ι	Sample was filtered prior to analysis.	
Report Date	Thursday, July 28, 2022	Paç

Page 12 of 15

Prepared For:	Southeast Texas Water Conditioning Inc.	Receive Date:	7/19/2022 12:20:00 PM
Project Name:	Southeast Texas Water Conditioning Inc	Collector:	SUMMER MORSE
J	No volume filtered yielded an ideal plate count of 20-60 fe	ecal coliform colonies	per membrane.
К	Out of control QC does not affect the quality of reported re-	esults.	
L	BOD/CBOD LCS value is not within method acceptance c sample cannot be reanalyzed.	criteria. Due to the nat	ure of the test method,
L1	BOD result calculated as > due to final DO readings for al	l dilutions used being -	<1.0 mg/L.
L2	BOD result calculated as < due to none of the dilutions use	ed meeting the required	d depletion of 2.0 mg/L.
L3	BOD/CBOD dilution water blanks had a depletion > 0.2 m	ng/L.	
L4	BOD/CBOD seed correction is not within method acceptar method, the sample cannot be reanalyzed.	nce criteria. Due to the	e nature of the test
L5	BOD method blank was greater than 2, sample results my	be biased slightly high	
L6	% deviation between Winkler titration DO values and meter test method, the sample cannot be reanalyzed.	er values was >1.25%.	Due to the nature of the
L7	Sample result may be affected by potential toxicity. BOD and the results from the highest and lowest dilution differe	results increased as said by more than 30%.	mple dilutions increased
М	LCS analysis yielded high recoveries, indicating a potentia	al high bias.	
M1	RDL check standard had a high recovery. Result may be t	biased high.	
Ν	Laboratory not NELAC accredited for analyte.		
N1	No NELAC Accredition currently available for this analyte	е.	
N2	Analyte approved under the TCEQ Drinking Water Labora	atory program.	
0	Sample required dilution due to matrix interference.		
Р	Insufficient sample volume to perform chlorine check prio	r to analysis.	
Q	Equipment temperature fell outside of the required temperative incubation/storage of this sample. It is not known if this d	ature range at some po eviation affected samp	int during le results.
Q1	An equipment temperature reading was not documented at this sample. Temperature readings before and after were w	t some point during the vithin range.	incubation/storage of
R	RPD value is outside method acceptance criteria.		
S	Sample received in an unverified/inappropriate container r meet data quality standards.	not supplied by the lab	oratory and may not
S 1	Sample received in container inappropriate for analysis.		
S2	Sample received without preservation and was preserved a	t the lab upon receipt.	
Т	Analysis conducted outside of the required holding time ba	ased on client request.	
T1	Analysis was conducted outside of the required 15 minute	holding time.	
U	Sample was filtered upon receipt at lab, more than 15 minu	utes after collections.	
V	Analyte was detected in both the sample and the associated	d method blank	

Prepared For: Project Name:	Southeast Texas Water Conditioning Inc. Southeast Texas Water Conditioning Inc	Receive Date: Collector:	7/19/2022 12:20:00 PM SUMMER MORSE
W	The LFM/LFMD recoveries are outside QC acceptance than the amount found in the sample.	e criteria because the spike	amount is much less
Х	QCS/LCS failed to meet provider's acceptance criteria	a. Data accepted based on o	other QC.
Y	QC failed due to analyst technical error.		
Z	See case narrative.		

Prepared For:Southeast Texas Water Conditioning Inc.Project Name:Southeast Texas Water Conditioning Inc

Receive Date: 7/19/2022 12:20:00 PM

Collector: SUMMER MORSE

SAMPLE CONDITION RECORD

s there sufficient air space in bottle for bacteriological analysis?	N/A
s the volume of sample submitted sufficient for the requested test(s)?	Yes
Nere all samples within the holding time for the requested test(s)?	Yes
Nere samples received cold?	Yes
Nere samples received on ice?	Yes
Nere samples received with applicable perservative?	Yes
Are bottle caps tight and securely in place?	Yes
Are the number of samples the same as stated on the chain of custody?	Yes
Are samples submitted with a correct and complete chain of custody?	Yes

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d Lake Pd S	Silsbee, Te	xas 776	56		- 1 ₂ -	Isharate		1895 I-P Way													
Aorse						Labored	JIY MULIESS.	Orange,TX 7763	2												
5261						Laborat	orv Contact:	1													
hate	Silica		Calcium carb	onate	_	A week		Pollie Holtham													
8. 16 K	Inhibitor Dos	age Rate:				Laboratory Co	ntact Phone #:	409-746-3284										- 1			
	Sample Inforr	nation			-																
liance	Non-comp	liance /	-		1			Parameters Requested	: Ana	lyse	es a	Te T	equ.	lired	d fo	T tt	le p	-	2	aram	arame
Water System	Accredited	d Lab	3rd Party Con	tractor> LAB	ID A	F		checked. * If inhibitors of these parameters should	also	be a	pho	vze	d d	epe	ndi	ng	on	e	2 LS	vhich	vhich is
operature and pH include tory Approval Form on fil	ed on the sampling en le at the TCEO?	ntity's	Were temperatu collection?	ire and pH measu	ured in th	he lield within 15 m	inules of sample			S	ē	1									
	Sample C	ollection	Field Meas	urements	?					-	_	4)			2)		-				441.
Location	Date (MMDDYY)	Time - 24 hr (HHMM)	рн	Temp (°C)	Replacement (√)	briginal Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	Alkalinity (1927)	Calcium (1919)	Chlorida (1017)	Conductivity (106	Hardness (1915)	ron (1028)	Manganese (1032	Sodium (1052)	Sullate (1055)	and the second s		TDS (1930)	FDS (1930)
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wrect and sites selected	for sampling follow t	he instructions in on collection. Fals	the TCEQ Monito	oring and Sample	Collecti	ion Guidance for W	ater Quality	Sample	Condi	tions	S-	S.	Rece	lipt	3	11	11	1 1:	1 1	IT	
3, Chapter 37.10)	and the state of the		and a state of the	other of somporing		are samples is a p	time ponisitable	Samples received unprese	wed?	1	1	loed	5			A	nbie	1 D	-	1	
Signature		Org	anization		0	late		Rejection Code (if applicable):		-	San	iple i	emp	orrei	cled	£	-	-		1	1.1.
(Pla	MA	5	Ercu	vater	-	1(19/2	br	Date & Time of Sample Preservation (Acidited): 7/19/172 143/17			=	lerm	ome	ter l	0 #		- 1				
d	Date/Time:	Conceived	By tab (Signer	() M)	7/10/17		Hudual HANDANCONE	nd.	たっち	33 2	50	E	5		3			2		
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PO#		1	day		diue	l / SI	dî 9 2 bo							:		Γ
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	ج ج Filtered S	M mioheq 	lron (Meth M) muibo2						Ees S	ole Specific	Notes.	
202207341-003	7/19/2022	10:55 AM	Grab	MD	-	×	××									
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860-30067 Chain of Custody												┝			1338	
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Preservation Used: 1= Ice, 2= HCI, 3= H2SO4; 4=HNO3; 5	⊨NaOH; 6=	Other														
Possible Hazard Identification Are any samples from a listed EPA Hazardous Waste? Please Comments Section if the lab is to dispose of the sample	List any EF	A Waste C	odes for the	e sample	in the	Sample I	Disposal	(Afee	may be as	sessed if	samples	are retaiı	ned longer th	an 1 month	_	
Non-Hazard Flammable Skin Irritant	Doisor	8	🗌 Unkno	цv		Retu	m to Clien			l by Lab		Archive for	Mon	ths		Τ
Special instructions/GC Requirements & Comments																
Custody Seals Intact:	Custody S	ieal No					Cooler	Temp (°	C) Obs d.		Con'd.		_ Them ID N	0		
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			M	TEXAS CON	IMISSION OI LY PARAME	N ENVIRONM TER MONITC	ENTAL QUALITY DRING FORM 20	679					
		Ğ	npleted by PWS	(or Agent)					E	pleted by Lab	boratory		Π
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linh ibi	or or Stablizer Used (√):	Phosphate	Silica	H	Calcium carbo	onate	т-1		JULIA	<u>ک</u> ک	1 OCF	NNQZ	
Тя	EATMENT	Alkalinity Dosage Rate:	Inhibitor Dosa	ge Rate:			Laboratory C	ontact Phone #-	187	- 24	0- 47	୫	
			Sample Inform	ation									Γ
	Sample Type (v):	Compliance	Non-compli	ance				-	Parameters Requested checked. * If inhibitors of	d: Analyses are ontaining phos	e required for whate or silic	the paramet	ters hen
. i	Sample Collector (v):	Public Water System	Accredited	del	3rd Party Cont	ractor -> LAB I	D AL		these parameters should	d also be analy	zed dependin	g on which is	Ē
Тетр	erature and pH (Y or N):	Are temperature and pH include Laboratory Approval Form on fil	rd on the sampling entite at the TCEQ?	s,A	Were temperatur collection?	e and pH measure	bd in the field within 15 r	nimutes of sample		use.			
			Sample Co	llection	Field Measu	rements ^				(t)	5)		<u> </u>
Facility ID (e.g DS01 PBCU001)	Sample Point ID (e.g. DSTWQP EWQP)	Sample Location	Date (MMDDYY)	Time - 24 hr (HHMM)	Ha	C C Replacement	Soriginal Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	(1927) (1927) Calcium (1919) (7101) (1919) (7101) (191) (101) (192) (101) (192) (101) (192	Hardnese (1915) 11 Marganese (1038) 10 Manganese (103	(5201) mulbo2 Sulfate (1055) (0591) 201 (1) elegange (19	Silica (1049)
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Laconowieuge u Parameters, This under state and/o	at morniation on this form i includes, but not limited to i it federal law. (Texas Penal	be use and context and sites selected the measurement of pH and tempera (Code, Title 8, Chapter 37.10)	ture Immediately upon	collection. Falsifi	cation of this for	m or tampering w	rith water samples is a	crime punishable	Samples received unprese			Ambient	Π
Name of Author	ized PWS Representative	(Print) Signature		Orgar	lization		Date		Rejection Code (if applicable):	Act	tual / Corrected	पे। [प्]°	U
Chain of Custo									Date & Time of Sample Preservation (Acidified):	-	mometer ID #:	2	
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KCEQ 20079 (Re	01/2018)				\mathbb{R}								1

Environment Testing America

ANALYTICAL REPORT

Eurofins Houston 4147 Greenbriar Dr Stafford, TX 77477 Tel: (281)240-4200

Laboratory Job ID: 860-30067-1

Client Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

For:

··· LINKS ······

Review your project results through

S EOL

Have a Question?

www.eurofinsus.com/Env

Visit us at:

Ask— The Expert Sabine River Authority 1895 Owens-Illinois Road Orange, Texas 77632

Attn: Ms. Pollie Holtham

C. Lance -

Authorized for release by: 7/25/2022 2:00:27 PM

Lance Tigrett, Project Manager II (979)484-9088



Results relate only to the items tested and the sample(s) as received by the laboratory. Page 19 of 33

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Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
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Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Job ID: 860-30067-1

Qualifiers

QC

RER

RPD

TEF

TEQ TNTC

RL

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Metals		4
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	7
%R	Percent Recovery	
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	0
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	9
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	13
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	

Job ID: 860-30067-1

Laboratory: Eurofins Houston

Narrative

Job Narrative 860-30067-1

Case Narrative

Receipt

The samples were received on 7/20/2022 2:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.7°C

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

RL

0.20

0.20

0.50

1.1

RL

0.20

0.20

0.50

1.1

MDL Unit

0.019 mg/L

0.15 mg/L

0.47 mg/L

0.12 mg/L

0.019 mg/L

0.15 mg/L

0.47 mg/L

MDL Unit

0.12 mg/L Dil Fac D

Dil Fac D

1

1

200.7 Rev 4.4

200.7 Rev 4.4

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Result

48

0.18 J

42

32

45

0.16 J

39

31

Result Qualifier

Qualifier

Client Sample ID: EWQP-EP

Client Sample ID: LCR-15

Analyte

Calcium

Sodium

Analyte

Calcium

Sodium

SiO2

Iron

SiO2

Iron

Total Recoverable

Total Recoverable

Total Recoverable

		Job ID	0: 860-30067-1	
La	ab	Sample ID: 8	860-30067-1	
ac	D	Method	Ргер Туре	
1	_	200.7 Rev 4.4	Total	
			Recoverable	5
1		200.7 Rev 4.4	Total	
			Recoverable	6
1		200.7 Rev 4.4	Total	U
			Recoverable	
1		200.7 Rev 4.4	Total	
			Recoverable	
La	ab	Sample ID:	860-30067-2	8
ac	D	Method	Prep Type	9
1		200.7 Rev 4.4	Total	
			Recoverable	
1		200.7 Rev 4.4	Total	

Client Sample Results

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Client Sample ID: EWQP-EP

Date Collected: 07/19/22 10:55

Date Received: 07/20/22 14:45

Matrix: Water

Lab Sample ID: 860-30067-1

5
7
8
9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	48		0.20	0.12	mg/L		07/22/22 09:15	07/22/22 14:46	1
Iron	0.18	J	0.20	0.019	mg/L		07/22/22 09:15	07/22/22 14:46	1
Sodium	42		0.50	0.15	mg/L		07/22/22 09:15	07/22/22 14:46	1
SiO2	32		1.1	0.47	mg/L		07/22/22 09:15	07/22/22 14:46	1
Client Sample ID: LC Date Collected: 07/19/22	CR-15 10:55						Lab Sam	ple ID: 860-3 Matrix	0067-2 k: Water
Date Received: 07/20/22	14:45								
Date Received: 07/20/22 Method: 200.7 Rev 4.4	14:45 - Metals (ICP) - Total Red	overable							
Date Received: 07/20/22 Method: 200.7 Rev 4.4 Analyte	14:45 - Metals (ICP) - Total Rec Result	coverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Date Received: 07/20/22 Method: 200.7 Rev 4.4 Analyte Calcium	14:45 - Metals (ICP) - Total Rec Result 45	coverable Qualifier	RL 0.20	MDL 0.12	Unit mg/L	<u>D</u>	Prepared 07/22/22 09:15	Analyzed 07/22/22 15:22	Dil Fac
Date Received: 07/20/22 Method: 200.7 Rev 4.4 Analyte Calcium Iron	14:45 - Metals (ICP) - Total Rec Result 45 0.16	Qualifier	RL 0.20 0.20	MDL 0.12 0.019	Unit mg/L mg/L	<u>D</u>	Prepared 07/22/22 09:15 07/22/22 09:15	Analyzed 07/22/22 15:22 07/22/22 15:22	Dil Fac
Date Received: 07/20/22 Method: 200.7 Rev 4.4 Analyte Calcium Iron Sodium	14:45 - Metals (ICP) - Total Rec Result 45 0.16 39	coverable Qualifier	RL 0.20 0.20 0.50	MDL 0.12 0.019 0.15	Unit mg/L mg/L mg/L	<u>D</u>	Prepared 07/22/22 09:15 07/22/22 09:15 07/22/22 09:15	Analyzed 07/22/22 15:22 07/22/22 15:22 07/22/22 15:22	Dil Fac 1 1 1

RL

0.20

0.20

0.50

1.1

Spike

Added

25.0

5.00

25.0

21.4

MDL Unit

0.12 mg/L

0.019 mg/L

0.15 mg/L

0.47 mg/L

Unit

mg/L

mg/L

mg/L

mg/L

LCS LCS

24.1

4.87

24.1

20.6

Result Qualifier

D

Prepared

07/22/22 09:15

07/22/22 09:15

07/22/22 09:15

07/22/22 09:15

%Rec

96

97

96

96

D

MB MB Result Qualifier

< 0.12

<0.019

<0.15

<0.47

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-62035/1-A

Lab Sample ID: LCS 860-62035/2-A

Matrix: Water

Matrix: Water

Analysis Batch: 62141

Analyte

Calcium

Sodium

Analyte

Calcium

Sodium

SiO2

Iron

SiO2

Iron

Analysis Batch: 62141

Prep Batch: 62035

Prep Batch: 62035

Dil Fac

1

1

1

1

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Analyzed

07/22/22 13:57

07/22/22 13:57

07/22/22 13:57

07/22/22 13:57

Prep Type: Total Recoverable

Prep Type: Total Recoverable

Client Sample ID: Lab Control Sample

%Rec

Limits

85 - 115

85 - 115

85 - 115

85 - 115

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Client Sample ID: EWQP-EP

Prep Type: Total Recoverable

Client Sample ID: Lab Control Sample Dup

2 3 4 5 6 7 8 9

Lab Sample ID: LCSD 860-62035	6/3-A
Matrix: Water	
Analysis Batch: 62141	

Analysis Batch: 62141						Prep Batch: 62035				
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Calcium	25.0	24.1		mg/L		96	85 - 115	0	20	
Iron	5.00	4.88		mg/L		98	85 - 115	0	20	
Sodium	25.0	24.1		mg/L		96	85 - 115	0	20	
SiO2	21.4	20.6		mg/L		96	85 - 115	0	20	

Lab Sample ID: LLCS 860-62035/4-A
Matrix: Water
Analysis Batch: 62141

Analysis Batch: 62141						Prep l	ep Batch: 6203	
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	0.200	0.243		mg/L		122	50 _ 150	
Iron	0.200	0.201		mg/L		100	50 _ 150	
Sodium	0.500	0.413	J	mg/L		83	50 - 150	
SiO2	1.07	1.07	J	mg/L		100	50 - 150	

Lab Sample ID: 860-30067-1 MS Matrix: Water

Analysis Batch: 62141									Prep l	Batch: 62035
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	48		25.0	73.1		mg/L		101	70 - 130	
Iron	0.18	J	5.00	5.87		mg/L		114	70 - 130	
Sodium	42		25.0	67.4		mg/L		103	70 - 130	
SiO2	32		21.4	55.4		mg/L		108	70 - 130	

QC Association Summary

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Method

200.7 200.7 200.7 200.7 200.7 200.7 200.7

5 9

12 13 14

Prep Batch

Eurofins Houston

7/25/2022

Metals

Prep Batch: 62035

Lab Sample ID	Client Sample ID	Prep Type	Matrix
860-30067-1	EWQP-EP	Total Recoverable	Water
860-30067-2	LCR-15	Total Recoverable	Water
MB 860-62035/1-A	Method Blank	Total Recoverable	Water
LCS 860-62035/2-A	Lab Control Sample	Total Recoverable	Water
LCSD 860-62035/3-A	Lab Control Sample Dup	Total Recoverable	Water
LLCS 860-62035/4-A	Lab Control Sample	Total Recoverable	Water
860-30067-1 MS	EWQP-EP	Total Recoverable	Water

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
860-30067-1	EWQP-EP	Total Recoverable	Water	200.7 Rev 4.4	62035
860-30067-2	LCR-15	Total Recoverable	Water	200.7 Rev 4.4	62035
MB 860-62035/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	62035
LCS 860-62035/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	62035
LCSD 860-62035/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	62035
LLCS 860-62035/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	62035
860-30067-1 MS	EWQP-EP	Total Recoverable	Water	200.7 Rev 4.4	62035

Lab Chronicle

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

10

Client Sample	ID: EWQP	P-EP						Lab Samp	ole ID: 8	60-30067-1
Date Collected: 0	7/19/22 10:5	5							I	Matrix: Water
Date Received: 07	7/20/22 14:4	5								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	62035	07/22/22 09:15	MD	XEN STF
Total Recoverable	Analysis	200.7 Rev 4.4		1			62141	07/22/22 14:46	DP	XEN STF
Client Sample	ID: LCR-1	5						Lab Samp	ole ID: 8	60-30067-2
Date Collected: 0	7/19/22 10:5	5							I	Matrix: Water
Date Received: 0	7/20/22 14:4	5								

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	62035	07/22/22 09:15	MD	XEN STF
Total Recoverable	Analysis	200.7 Rev 4.4		1			62141	07/22/22 15:22	DP	XEN STF

Laboratory References:

XEN STF = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	21-038-0	08-04-22
Florida	NELAP	E871002	06-30-23
Louisiana	NELAP	03054	06-30-23
Oklahoma	State	2021-168	08-31-22
Texas	NELAP	T104704215-22-47	06-30-23
Texas	TCEQ Water Supply	T104704215	12-31-22
USDA	US Federal Programs	P330-22-00025	03-02-23

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	XEN STF
200.7	Preparation, Total Recoverable Metals	EPA	XEN STF

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

XEN STF = Eurofins Houston, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Client: Sabine River Authority Project/Site: PWS_1000075_AC_20220719_WQP_Analysis Report

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-30067-1	EWQP-EP	Water	07/19/22 10:55	07/20/22 14:45
860-30067-2	LCR-15	Water	07/19/22 10:55	07/20/22 14:45

Client: Sabine River Authority

Login Number: 30067 List Number: 1 Creator: Rubio, Yuri

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

List Source: Eurofins Houston

Login Sample Receipt Checklist

Client: Sabine River Authority

Login Number: 30067 List Number: 2

Creator: Rubio, Yuri

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Job Number: 860-30067-1

List Source: Eurofins Houston

Contact: Pollie Holtham Preservation Code (I applicable): Prime: Laboratory Comments: Laboratory Comment	Laboratory Contac Laboratory Contac ed in the field within 15 minutes or original Sample Sam ID # (MM Date Olection Guidance for Water Quitty water samples is a crime pu with water samples is a crime pu	Surements surements surements Sureme	Calcium card Grid Party Cor Were temperat collection? Field Mea: Field Mea: PH PH Co.Co Co Co.Co Co Co.Co Co Co.Co Co Co Co.Co Co Co Co Co Co Co Co Co Co Co Co Co C	age Rate: mation mation d Lab d Lab d Lab d Lab collection (HHMM) 1065 l040 l040 l040 l040 s org	Silica Inhibitor Do: Sample Infor Sample Infor e at the Sample of Date (MMDDYY) 7(MDYY) 7(MDY	838-6261 Phosphate Alkalinity Dosage Rate: Public Water System Public Water System Laboratory Approval Form on fil Laboratory Approval Form on fil E W& P - E P 2.R - 15 2.R - 15 True and correct and sites selected to the measurement of pH and temperation code, Title 8. Chapter 37.10) Signature	Phone #: 409- r Stablizer Used (v): Sample Collector (v): ample Collector (v): (e.g. (e.g. (e.g. (e.g. (e.g. (e.g. (e.g. (e.g. (e.g. (e.g. (f.g.)))))))))))))))))))))))))))))))))))	PWS Contact Inhibitor o TREAT TREAT Facility ID (e.g. DS01, PBCU001), PBCU001), DS01 P PACLUOOI Chain of Custody Chain of Custody Name of Authorized Name of Authorized
Orange,TX 77632	Laboratory A		, c	ATTAC 1 1 1		mer Morse	contact: Sum	PWS
ab ID #: 48155 1895 I-P Way	TCEQ La		56	Xas 776	Silsbee, To	000075 Villard Lake P.d S	Address: 580 V	рws Р
Completed by Laboratory y Name: Sabine River Authority	DRING FORM 20679	ETER MONIT	ITY PARAM	ATER QUAL 5 (or Agent)	M mpleted by PW	on Products	vs Name: Drag	PV BOX