



11 February 2020

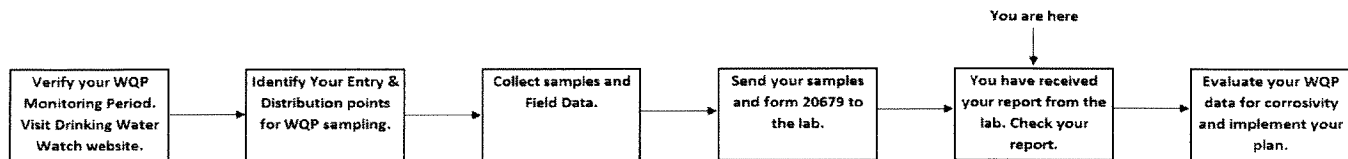
C0A6046

West Hardin WSC
West Hardin WSC
16707 FM 770
Saratoga, TX 77585

RE: West Hardin WSC WQP

Water Quality Parameters (WQP) Report

Enclosed, is your Water Quality Parameter (WQP) report with the necessary support data. Eastex Lab has reported your results to TCEQ in the following formats: 1. EDD of your data and 2. PDF of your report.



Here are your next actions:

1. Check your report for any errors, such as: Regulatory ID, site names. Please make sure all your sites are listed correctly.
2. Evaluate your WQP data for corrosivity and implement your plan.
3. Please retain all forms and reports from the lab for future field inspections.

If you have questions regarding any of the enclosed data, please call me at 936-653-3249. For compliance questions, please call TCEQ's WQP team at 512-239-4691.

Daniel Bowen
Operations Manager



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West Hardin WSC
16707 FM 770
Saratoga TX, 77585

TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-01**
Sampling Point: **DSTWQP**
Sample Location: **17608 Jerry Guedry Rd**
State Assigned ID: **DS01**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 08:55
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.5	std unit			P	B0A4189	01/31/2020 08:55	DCH	SM 4500 H + B	
Temp	19	degrees C			P	B0A4189	01/31/2020 08:55	DCH	SM 2550	
Alkalinity	108	mg CaCO3/L	20	9	P	B0B0132	02/04/2020 11:14	KMW	SM 2320 B	
Calcium, Total	49.5	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:42	LAN	EPA 200.7	
Chloride	25.3	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	331	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	100	mg CaCO3/L	5.00	1.50	A	B0B1123	02/10/2020 15:45	KMW	SM 2340 C	
Iron, Total	0.510	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:02	LAN	EPA 200.7	
Manganese, Total	0.127	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:02	LAN	EPA 200.7	
Orthophosphate as P	0.476	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	15.4	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:42	LAN	EPA 200.7	
Sulfate	<4.0	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	184	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-02**
Sampling Point: **DSTWQP**
Sample Location: **2788 Eason Rd**
State Assigned ID: **DS01**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 10:35
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.4	std unit			P	B0A4189	01/31/2020 10:35	DCH	SM 4500 H + B	
Temp	18	degrees C			P	B0A4189	01/31/2020 10:35	DCH	SM 2550	
Alkalinity	60	mg CaCO3/L	20	9	P	B0B0138	02/04/2020 12:15	KMW	SM 2320 B	
Calcium, Total	21.8	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:44	LAN	EPA 200.7	
Chloride	15.0	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	191.2	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	49.0	mg CaCO3/L	5.00	1.50	A	B0B1123	02/10/2020 15:45	KMW	SM 2340 C	
Iron, Total	<0.0500	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:06	LAN	EPA 200.7	
Manganese, Total	<0.0100	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:06	LAN	EPA 200.7	
Orthophosphate as P	0.248	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	15.4	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:44	LAN	EPA 200.7	
Sulfate	<4.0	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	104	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-03**
Sampling Point: **DSTWQP**
Sample Location: **7753 Turner Rd**
State Assigned ID: **DS01**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 09:55
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.6	std unit			P	B0A4189	01/31/2020 09:55	DCH	SM 4500 H + B	
Temp	19	degrees C			P	B0A4189	01/31/2020 09:55	DCH	SM 2550	
Alkalinity	130	mg CaCO3/L	20	9	P	B0B0132	02/04/2020 11:14	KMW	SM 2320 B	
Calcium, Total	58.5	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:46	LAN	EPA 200.7	
Chloride	27.0	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	371	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	143	mg CaCO3/L	5.00	1.50	A	B0B1123	02/10/2020 15:45	KMW	SM 2340 C	
Iron, Total	0.280	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:11	LAN	EPA 200.7	
Manganese, Total	<0.0100	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:11	LAN	EPA 200.7	
Orthophosphate as P	0.472	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	15.1	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:46	LAN	EPA 200.7	
Sulfate	<4.0	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	236	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-04**
Sampling Point: **EWQP**
Sample Location: **Thicket Plant**
State Assigned ID: **PBCU001**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 10:15
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.2	std unit			P	B0A4189	01/31/2020 10:15	DCH	SM 4500 H + B	
Temp	19	degrees C			P	B0A4189	01/31/2020 10:15	DCH	SM 2550	
Alkalinity	62	mg CaCO3/L	20	9	P	B0B0132	02/04/2020 11:14	KMW	SM 2320 B	
Calcium, Total	21.4	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:48	LAN	EPA 200.7	
Chloride	15.0	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	192	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	45.0	mg CaCO3/L	5.00	1.50	A	B0B1053	02/10/2020 11:40	KMW	SM 2340 C	
Iron, Total	0.0742	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:16	LAN	EPA 200.7	
Manganese, Total	<0.0100	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:16	LAN	EPA 200.7	
Orthophosphate as P	0.306	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	16.0	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:48	LAN	EPA 200.7	
Sulfate	<4.0	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	136	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-05**
Sampling Point: **EWQP**
Sample Location: **Honey Island Plant**
State Assigned ID: **PBCU002**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 10:05
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.5	std unit			P	B0A4189	01/31/2020 10:05	DCH	SM 4500 H + B	
Temp	19	degrees C			P	B0A4189	01/31/2020 10:05	DCH	SM 2550	
Alkalinity	126	mg CaCO3/L	20	9	P	B0B0132	02/04/2020 11:14	KMW	SM 2320 B	
Calcium, Total	58.1	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:50	LAN	EPA 200.7	
Chloride	27.2	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	372	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	131	mg CaCO3/L	5.00	1.50	A	B0B1053	02/10/2020 11:40	KMW	SM 2340 C	
Iron, Total	<0.0500	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:21	LAN	EPA 200.7	
Manganese, Total	<0.0100	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:21	LAN	EPA 200.7	
Orthophosphate as P	0.478	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	14.9	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:50	LAN	EPA 200.7	
Sulfate	<4.0	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	248	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Project: **West Hardin WSC WQP**
Laboratory Sample ID: **C0A6046-06**
Sampling Point: **EWQP**
Sample Location: **Baston Plant**
State Assigned ID: **PBCU003**

Sample Received Date and Time: 01/31/2020 14:20
Sample Date and Time: 01/31/2020 08:40
Sample Matrix: Potable
Sample Type: Grab
Collector: DCH

Analyte	Result	Units	Reporting Limits	MDL	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory - Coldspring										
pH	7.8	std unit			P	B0A4189	01/31/2020 08:40	DCH	SM 4500 H + B	
Temp	21	degrees C			P	B0A4189	01/31/2020 08:40	DCH	SM 2550	
Alkalinity	136	mg CaCO3/L	20	9	P	B0B0132	02/04/2020 11:14	KMW	SM 2320 B	
Calcium, Total	61.1	mg/L	0.500	0.0879	P	B0B0298	02/05/2020 12:52	LAN	EPA 200.7	
Chloride	32.8	mg/L	5.0	1.9	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
Conductivity	397	µmhos/cm @25C	10	0.3	A	B0B0556	02/05/2020 14:44	ACW	SM 2510 B	
Hardness	151	mg CaCO3/L	5.00	1.50	A	B0B1053	02/10/2020 11:40	KMW	SM 2340 C	
Iron, Total	0.177	mg/L	0.0500	0.00255	A	B0B0300	02/10/2020 13:26	LAN	EPA 200.7	
Manganese, Total	0.156	mg/L	0.0100	0.00310	A	B0B0300	02/10/2020 13:26	LAN	EPA 200.7	
Orthophosphate as P	0.192	mg/L	0.02	0.006	P	B0A4191	01/31/2020 15:00	LAN	SM 4500 P E	
Sodium, Total	15.7	mg/L	0.500	0.111	A	B0B0298	02/05/2020 12:52	LAN	EPA 200.7	
Sulfate	4.3	mg/L	4.0	2.0	A	B0B0108	02/03/2020 15:00	LAN	EPA 300.0	
TDS	236	mg/L	10.0	10.0	A	B0B0044	02/03/2020 16:46	ACW	SM 2540 C	



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TCEQ Report ID: PWS_TX1000055_AC_20200131_WQP Analysis Report

SM 4500 P E - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
Batch B0A4191 - No Prep										
Blank (B0A4191-BLK1)				Prepared & Analyzed: 01/31/20						
Orthophosphate as P	ND	0.02	mg/L							
LCS (B0A4191-BS1)				Prepared & Analyzed: 01/31/20						
Orthophosphate as P	0.26		mg/L	0.250		104	90-110			
MRL Check (B0A4191-MRL1)				Prepared & Analyzed: 01/31/20						
Orthophosphate as P	0.037		mg/L	0.0400		92.5	70-130			
Matrix Spike (B0A4191-MS1)				Source: C0A6046-01		Prepared & Analyzed: 01/31/20				
Orthophosphate as P	0.705	0.02	mg/L	0.250	0.476	91.6	80-120			
Matrix Spike Dup (B0A4191-MSD1)				Source: C0A6046-01		Prepared & Analyzed: 01/31/20				
Orthophosphate as P	0.734	0.02	mg/L	0.250	0.476	103	80-120	4.03	20	
Batch B0B0044 - No Prep										
Blank (B0B0044-BLK1)				Prepared & Analyzed: 02/03/20						
TDS	ND	10.0	mg/L							
LCS (B0B0044-BS1)				Prepared & Analyzed: 02/03/20						
TDS	272		mg/L	300		90.7	80-120			
Duplicate (B0B0044-DUP1)				Source: C0A6045-01		Prepared & Analyzed: 02/03/20				
TDS	92.0	10.0	mg/L		100			8.33	10	25
MRL Check (B0B0044-MRL1)				Prepared & Analyzed: 02/03/20						
TDS	8.00		mg/L	10.0		80.0	70-130			



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TCEQ Report ID: PWS_TX1000055_AC_20200131_WQP Analysis Report

EPA 300.0 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0B0108 - No Prep

Blank (B0B0108-BLK1)

Prepared & Analyzed: 02/03/20

Chloride	ND	5.0	mg/L
Sulfate	ND	4.0	mg/L

LCS (B0B0108-BS1)

Prepared & Analyzed: 02/03/20

Chloride	25.0		mg/L	25.0		100	90-110
Sulfate	19.5		mg/L	20.0		97.3	90-110

MRL Check (B0B0108-MRL1)

Prepared & Analyzed: 02/03/20

Chloride	4.94		mg/L	5.00		98.7	70-130
Sulfate	3.99		mg/L	4.00		99.7	70-130

Matrix Spike (B0B0108-MS1)

Source: C0A6045-01

Prepared & Analyzed: 02/03/20

Chloride	646	5.0	mg/L	625	21.3	100	80-120
Sulfate	499	4.0	mg/L	500	12.3	97.4	80-120

Matrix Spike Dup (B0B0108-MSD1)

Source: C0A6045-01

Prepared & Analyzed: 02/03/20

Chloride	647	5.0	mg/L	625	21.3	100	80-120	0.0687	20
Sulfate	500	4.0	mg/L	500	12.3	97.5	80-120	0.149	20

Batch B0B0132 - No Prep

Blank (B0B0132-BLK1)

Prepared & Analyzed: 02/04/20

Alkalinity	ND	20	mg CaCO3/L
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LCS (B0B0132-BS1)

Prepared & Analyzed: 02/04/20

Alkalinity	46		mg CaCO3/L	50.0		92.0	80-120
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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

SM 2320 B - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B0132 - No Prep										
Duplicate (B0B0132-DUP1)		Source: C0A3596-01		Prepared & Analyzed: 02/04/20						
Alkalinity	226	20	mg CaCO3/L		236			4.33	20	
MRL Check (B0B0132-MRL1)		Prepared & Analyzed: 02/04/20								
Alkalinity	20		mg CaCO3/L	20.0		100	70-130			
Batch B0B0138 - No Prep										
Blank (B0B0138-BLK1)		Prepared & Analyzed: 02/04/20								
Alkalinity	ND		20 mg CaCO3/L							
LCS (B0B0138-BS1)		Prepared & Analyzed: 02/04/20								
Alkalinity	42		mg CaCO3/L	50.0		84.0	80-120			
Duplicate (B0B0138-DUP1)		Source: C0A6045-01		Prepared & Analyzed: 02/04/20						
Alkalinity	18	20	mg CaCO3/L		20			10.5	20	
MRL Check (B0B0138-MRL1)		Prepared & Analyzed: 02/04/20								
Alkalinity	20		mg CaCO3/L	20.0		100	70-130			
Batch B0B0298 - EPA 200.7										
Blank (B0B0298-BLK1)		Prepared: 02/04/20 Analyzed: 02/05/20								
Calcium, Total	ND	0.500	mg/L							
Sodium, Total	ND	0.500	mg/L							
Blank (B0B0298-BLK2)		Prepared: 02/04/20 Analyzed: 02/05/20								
Calcium, Total	ND	0.500	mg/L							
Sodium, Total	ND	0.500	mg/L							



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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B0298 - EPA 200.7										
Blank (B0B0298-BLK3)										
Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	ND	0.500	mg/L							
Sodium, Total	ND	0.500	mg/L							
LCS (B0B0298-BS1)										
Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	25.7	0.500	mg/L	25.0		103	85-115			
Sodium, Total	28.0	0.500	mg/L	25.0		112	85-115			
LCS (B0B0298-BS2)										
Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	25.8	0.500	mg/L	25.0		103	85-115			
Sodium, Total	27.9	0.500	mg/L	25.0		112	85-115			
LCS (B0B0298-BS3)										
Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	25.9	0.500	mg/L	25.0		103	85-115			
Sodium, Total	27.9	0.500	mg/L	25.0		112	85-115			
MRL Check (B0B0298-MRL1)										
Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	0.499		mg/L	0.500		99.7	70-130			
Sodium, Total	0.477		mg/L	0.500		95.3	70-130			
Matrix Spike (B0B0298-MS1)										
Source: C0A5725-03 Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	35.8	0.500	mg/L	25.0	10.2	102	70-130			
Sodium, Total	46.2	0.500	mg/L	25.0	19.8	106	70-130			
Matrix Spike (B0B0298-MS2)										
Source: C0A6045-01 Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	31.3	0.500	mg/L	25.0	5.17	104	70-130			
Sodium, Total	47.8	0.500	mg/L	25.0	21.3	106	70-130			
Matrix Spike (B0B0298-MS3)										
Source: C0A6067-02 Prepared: 02/04/20 Analyzed: 02/05/20										
Calcium, Total	51.6	0.500	mg/L	25.0	26.1	102	70-130			
Sodium, Total	87.6	0.500	mg/L	25.0	63.5	96.2	70-130			

Eastex Environmental Laboratory - Coldspring

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West Hardin WSC
16707 FM 770
Saratoga TX, 77585

TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B0298 - EPA 200.7										
Matrix Spike Dup (B0B0298-MSD1)		Source: C0A5725-03		Prepared: 02/04/20 Analyzed: 02/05/20						
Calcium, Total	36.4	0.500	mg/L	25.0	10.2	105	70-130	1.77	20	
Sodium, Total	47.4	0.500	mg/L	25.0	19.8	110	70-130	2.39	20	
Matrix Spike Dup (B0B0298-MSD2)		Source: C0A6045-01		Prepared: 02/04/20 Analyzed: 02/05/20						
Calcium, Total	31.3	0.500	mg/L	25.0	5.17	104	70-130	0.0185	20	
Sodium, Total	48.3	0.500	mg/L	25.0	21.3	108	70-130	1.12	20	
Matrix Spike Dup (B0B0298-MSD3)		Source: C0A6067-02		Prepared: 02/04/20 Analyzed: 02/05/20						
Calcium, Total	55.7	0.500	mg/L	25.0	26.1	118	70-130	7.61	20	
Sodium, Total	92.7	0.500	mg/L	25.0	63.5	117	70-130	5.72	20	
Batch B0B0300 - EPA 200.7										
Blank (B0B0300-BLK1)		Prepared: 02/04/20 Analyzed: 02/10/20								
Iron, Total	ND	0.0500	mg/L							
Manganese, Total	ND	0.0100	mg/L							
Blank (B0B0300-BLK2)		Prepared: 02/04/20 Analyzed: 02/10/20								
Iron, Total	ND	0.0500	mg/L							
Manganese, Total	ND	0.0100	mg/L							
Blank (B0B0300-BLK3)		Prepared: 02/04/20 Analyzed: 02/10/20								
Iron, Total	ND	0.0500	mg/L							
Manganese, Total	ND	0.0100	mg/L							
LCS (B0B0300-BS1)		Prepared: 02/04/20 Analyzed: 02/10/20								
Iron, Total	0.237	0.0500	mg/L	0.250		94.8	85-115			
Manganese, Total	0.213	0.0100	mg/L	0.250		85.2	85-115			

Eastex Environmental Laboratory - Coldspring

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West Hardin WSC
16707 FM 770
Saratoga TX, 77585

TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B0B0300 - EPA 200.7										
LCS (B0B0300-BS2) Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.254	0.0500	mg/L	0.250		101	85-115			
Manganese, Total	0.240	0.0100	mg/L	0.250		96.1	85-115			
LCS (B0B0300-BS3) Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.246	0.0500	mg/L	0.250		98.5	85-115			
Manganese, Total	0.234	0.0100	mg/L	0.250		93.6	85-115			
MRL Check (B0B0300-MRL1) Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.0415		mg/L	0.0500		83.0	70-130			
Manganese, Total	0.0130		mg/L	0.0100		130	70-130			
Matrix Spike (B0B0300-MS1) Source: C0A5725-03 Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.240	0.0500	mg/L	0.250	0.00658	93.4	70-130			
Manganese, Total	0.213	0.0100	mg/L	0.250	ND	85.2	70-130			
Matrix Spike (B0B0300-MS2) Source: C0A6045-01 Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.301	0.0500	mg/L	0.250	0.0333	107	70-130			
Manganese, Total	0.245	0.0100	mg/L	0.250	ND	98.1	70-130			
Matrix Spike (B0B0300-MS3) Source: C0A6067-02 Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.338	0.0500	mg/L	0.250	0.0910	99.0	70-130			
Manganese, Total	0.263	0.0100	mg/L	0.250	0.0325	92.2	70-130			
Matrix Spike Dup (B0B0300-MSD1) Source: C0A5725-03 Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.242	0.0500	mg/L	0.250	0.00658	94.0	70-130	0.673	20	
Manganese, Total	0.216	0.0100	mg/L	0.250	ND	86.5	70-130	1.47	20	
Matrix Spike Dup (B0B0300-MSD2) Source: C0A6045-01 Prepared: 02/04/20 Analyzed: 02/10/20										
Iron, Total	0.286	0.0500	mg/L	0.250	0.0333	101	70-130	5.25	20	
Manganese, Total	0.240	0.0100	mg/L	0.250	ND	96.1	70-130	2.04	20	

Eastex Environmental Laboratory - Coldspring

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West Hardin WSC
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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

EPA 200.7 - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B0B0300 - EPA 200.7

Matrix Spike Dup (B0B0300-MSD3)

Source: C0A6067-02

Prepared: 02/04/20 Analyzed: 02/10/20

Iron, Total	0.342	0.0500	mg/L	0.250	0.0910	100	70-130	0.918	20	
Manganese, Total	0.265	0.0100	mg/L	0.250	0.0325	93.1	70-130	0.816	20	

Batch B0B0556 - No Prep

Blank (B0B0556-BLK1)

Prepared & Analyzed: 02/05/20

Conductivity	ND	10	µmhos/cm @25C							
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LCS (B0B0556-BS1)

Prepared & Analyzed: 02/05/20

Conductivity	987		µmhos/cm @25C	1000		98.7	80-120			
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Duplicate (B0B0556-DUP1)

Source: C0A6045-01

Prepared & Analyzed: 02/05/20

Conductivity	153.9	10	µmhos/cm @25C		152.7			0.783	20	
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Batch B0B1053 - No Prep

Blank (B0B1053-BLK1)

Prepared & Analyzed: 02/10/20

Hardness	ND	5.00	mg CaCO3/L							
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LCS (B0B1053-BS1)

Prepared & Analyzed: 02/10/20

Hardness	102		mg CaCO3/L	100		102	80-120			
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MRL Check (B0B1053-MRL1)

Prepared & Analyzed: 02/10/20

Hardness	5.20		mg CaCO3/L	5.00		104	70-130			
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Matrix Spike (B0B1053-MS1)

Source: C0A5720-01

Prepared & Analyzed: 02/10/20

Hardness	560	5.00	mg CaCO3/L	500	110	90.0	80-120			
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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

SM 2340 C - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B0B1053 - No Prep									
Matrix Spike Dup (B0B1053-MSD1)		Source: C0A5720-01		Prepared & Analyzed: 02/10/20					
Hardness	581	5.00	mg CaCO ₃ /L	500	110	94.2	80-120	3.68	20
Batch B0B1123 - No Prep									
Blank (B0B1123-BLK1)		Prepared & Analyzed: 02/10/20							
Hardness	ND	5.00	mg CaCO ₃ /L						
LCS (B0B1123-BS1)		Prepared & Analyzed: 02/10/20							
Hardness	100		mg CaCO ₃ /L	100		100	80-120		
MRL Check (B0B1123-MRL1)		Prepared & Analyzed: 02/10/20							
Hardness	5.00		mg CaCO ₃ /L	5.00		100	70-130		
Matrix Spike (B0B1123-MS1)		Source: C0A6045-01		Prepared & Analyzed: 02/10/20					
Hardness	500	5.00	mg CaCO ₃ /L	500	44.0	91.2	80-120		
Matrix Spike Dup (B0B1123-MSD1)		Source: C0A6045-01		Prepared & Analyzed: 02/10/20					
Hardness	500	5.00	mg CaCO ₃ /L	500	44.0	91.2	80-120	0.00	20



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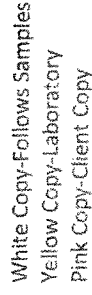
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TCEQ Report ID: **PWS_TX1000055_AC_20200131_WQP Analysis Report**

Qualifiers and Notes

25 Residue not in the method range of 2.5-200 mg.



Eastex Environmental Laboratory, Inc.