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07 December 2018

David Scott
Bullard PWS
P.O. Box 107
Bullard, TEXAS 75757

RE: Bullard PWS -WQP

Enclosed are the results of analyses for samples received by the laboratory on 11/15/18 17:50, with Lab ID Number N8K0732. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul D. Hughes". The signature is written in a cursive, flowing style.

Paul D. Hughes
Laboratory Director



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Bullard PWS
 P.O. Box 107
 Bullard TEXAS, 75757

TCEQ Report ID: **PWS_TX2120006_AC_20181115_WQP Analysis Report**

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-01
 Sampling Point: EWQP
 Sample Location: PBCU002 2804 Schoolhouse Rd
 State Assigned ID: PBCU002

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 15:35
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	147	20.0mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	350	10	µmhos/cm @25C	A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	<5.00	5.00mg	CaCO3/L	A	N807322	11/21/2018	TJL	SM 2340 C	
Orthophosphate as P	0.165	0.02	mg/L	P	N807156	11/16/2018	TJL	SM 4500-P E	
pH	8.27		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	210	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	18.3		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	0.633	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	9.5	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	<0.0500	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	80.3	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	12.5	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-02
 Sampling Point: EWQP
 Sample Location: PBCU004 305 N Rather St
 State Assigned ID: PBCU004

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 16:05
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	96.0	20.0mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	341	10	µmhos/cm @25C	A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	10.0	5.00mg	CaCO3/L	A	N807322	11/21/2018	TJL	SM 2340 C	
pH	7.33		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	214	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	20.2		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	2.62	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	11.5	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	0.601	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	72.9	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	48.5	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: **PWS_TX2120006_AC_20181115_WQP Analysis Report**

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-03
 Sampling Point: EWQP
 Sample Location: PBCU006 5000 CR 152
 State Assigned ID: PBCU006

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 16:30
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	390	20.0mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	874	10	µmhos/cm @25C	A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	6.00	5.00mg	CaCO3/L	A	N807322	11/21/2018	TJL	SM 2340 C	
Orthophosphate as P	0.463	0.02	mg/L	P	N807156	11/16/2018	TJL	SM 4500-P E	
pH	8.41		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	528	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	22.1		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	1.06	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	33.4	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	<0.0500	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	163	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	13.8	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TECEQ Report ID: **PWS_TX2120006_AC_20181115_WQP Analysis Report**

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-04
 Sampling Point: EWQP
 Sample Location: PBCU007 23544 FM 2137
 State Assigned ID: PBCU007

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 15:50
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	320	20.0 mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	815	10	µmhos/cm @25C	A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	6.00	5.00 mg	CaCO3/L	A	N807431	11/29/2018	TJL	SM 2340 C	
pH	8.42		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	490	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	18		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	0.958	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	28.1	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	0.175	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	144	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	10.8	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-05
 Sampling Point: DSTWQP
 Sample Location: DS01 706 Oak St
 State Assigned ID: DS01

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 16:00
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	364	20.0 mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	818	10	µmhos/cm @25C	A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	<5.00	5.00 mg	CaCO3/L	A	N807431	11/29/2018	TJL	SM 2340 C	
pH	8.41		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	500	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	19.2		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	0.998	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	28.6	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	<0.0500	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	152	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	12.0	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: **PWS_TX2120006_AC_20181115_WQP Analysis Report**

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-06
 Sampling Point: DSTWQP
 Sample Location: DS01 328 Water St
 State Assigned ID: DS01

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 16:15
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	358	20.0 mg CaCO3/L		A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	814	10 µmhos/cm @25C		A	N807189	11/29/2018	RAA	SM 2510 B	
Hardness	<5.00	5.00 mg CaCO3/L		A	N807431	11/29/2018	TJL	SM 2340 C	
pH	8.09	std unit		P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	502	10.0 mg/L		A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	14.8	degrees C		P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	1.14	0.500 mg/L		P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	28.6	5.0 mg/L		A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	<0.0500	0.0500 mg/L		A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100 mg/L		A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	156	0.500 mg/L		A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	12.4	5.0 mg/L		A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: **PWS_TX2120006_AC_20181115_WQP Analysis Report**

Project: Bullard PWS -WQP
 Laboratory Sample ID: N8K0732-07
 Sampling Point: DSTWQP
 Sample Location: DS01 215 Tyler St
 State Assigned ID: DS01

Sample Received Date and Time: 11/15/2018 17:50
 Sample Date and Time: 11/15/2018 15:25
 Sample Matrix: Drinking
 Sample Type: Grab
 Collector: Bob Crain

Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Eastex Environmental Laboratory									
Alkalinity	278	20.0 mg	CaCO3/L	A	N807186	11/27/2018	RAA	SM 2320 B	40
Conductivity	623	10	µmhos/cm @25C	A	N807188	11/30/2018	RAA	SM 2510 B	
Hardness	<5.00	5.00 mg	CaCO3/L	A	N807431	11/29/2018	TJL	SM 2340 C	
pH	7.84		std unit	P	N807153	11/15/2018	RWC	SM 4500 H + B	
TDS	420	10.0	mg/L	A	N807120	11/16/2018	RWC	SM 2540 C	
Temp	19		degrees C	P	N807153	11/15/2018	RWC	SM 2550	
Eastex Environmental Laboratory - Coldspring									
Calcium, Total	1.74	0.500	mg/L	P	B8K3228	11/28/2018	MLJ	EPA 200.7	
Chloride	24.7	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs
Iron, Total	0.201	0.0500	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Manganese, Total	<0.100	0.100	mg/L	A	B8K3224	11/28/2018	MLJ	EPA 200.7	
Sodium, Total	140	0.500	mg/L	A	B8K3228	11/28/2018	MLJ	EPA 200.7	12
Sulfate	26.1	5.0	mg/L	A	B8K3126	11/26/2018	LAN	EPA 300.0	Cs

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

SM 2540 C - Quality Control
Eastex Environmental Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch N807120 - No Prep										
Blank (N807120-BLK1) Prepared & Analyzed: 11/16/18										
TDS	ND	10.0	mg/L							
LCS (N807120-BS1) Prepared & Analyzed: 11/16/18										
TDS	294		mg/L	300		98.0	80-120			
Duplicate (N807120-DUP1) Source: N8K0721-05 Prepared & Analyzed: 11/16/18										
TDS	330	10.0	mg/L		328			0.608	10	
Batch N807156 - No Prep										
Blank (N807156-BLK1) Prepared & Analyzed: 11/16/18										
Orthophosphate as P	ND	0.02	mg/L							
LCS (N807156-BS1) Prepared & Analyzed: 11/16/18										
Orthophosphate as P	0.927		mg/L	0.935		99.1	90-110			
Matrix Spike (N807156-MS1) Source: N8K0731-01 Prepared & Analyzed: 11/16/18										
Orthophosphate as P	0.381		mg/L	0.250	0.094	115	80-120			
Matrix Spike Dup (N807156-MSD1) Source: N8K0731-01 Prepared & Analyzed: 11/16/18										
Orthophosphate as P	0.391		mg/L	0.250	0.094	119	80-120	2.59	20	
Batch N807186 - No Prep										
Blank (N807186-BLK1) Prepared & Analyzed: 11/27/18										
Alkalinity	ND	20.0	mg CaCO3/L							40

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

SM 2320 B - Quality Control
Eastex Environmental Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch N807186 - No Prep

LCS (N807186-BS1)				Prepared & Analyzed: 11/27/18						
Alkalinity	100		mg CaCO3/L	100		100	80-120			40
Duplicate (N807186-DUP1)				Source: N8K0732-01 Prepared & Analyzed: 11/27/18						
Alkalinity	147		20.0 mg CaCO3/L		147			0.00	20	40

Batch N807188 - No Prep

Blank (N807188-BLK1)				Prepared & Analyzed: 11/30/18						
Conductivity	ND		10 µmhos/cm @25C							
LCS (N807188-BS1)				Prepared & Analyzed: 11/30/18						
Conductivity	1446		µmhos/cm @25C	1410		103	80-120			
Duplicate (N807188-DUP1)				Source: N8K0721-05 Prepared & Analyzed: 11/30/18						
Conductivity	515		10 µmhos/cm @25C		516			0.194	20	

Batch N807189 - No Prep

Blank (N807189-BLK1)				Prepared & Analyzed: 11/29/18						
Conductivity	ND		10 µmhos/cm @25C							
LCS (N807189-BS1)				Prepared & Analyzed: 11/29/18						
Conductivity	1428		µmhos/cm @25C	1410		101	80-120			
Duplicate (N807189-DUP1)				Source: N8K0731-01 Prepared & Analyzed: 11/29/18						
Conductivity	212.1		10 µmhos/cm @25C		198			6.88	20	

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

SM 2340 C - Quality Control

Eastex Environmental Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch N807322 - No Prep

Blank (N807322-BLK1)		Prepared & Analyzed: 11/21/18								
Hardness	ND	5.00mg CaCO3/L								
LCS (N807322-BS1)		Prepared & Analyzed: 11/21/18								
Hardness	100	mg CaCO3/L	100		100		80-120			
Matrix Spike (N807322-MS1)		Source: N8K0711-01		Prepared & Analyzed: 11/21/18						
Hardness	105	mg CaCO3/L	100	5.00	100		80-120			
Matrix Spike Dup (N807322-MSD1)		Source: N8K0711-01		Prepared & Analyzed: 11/21/18						
Hardness	105	mg CaCO3/L	100	5.00	100		80-120	0.00	20	

Batch N807431 - No Prep

Blank (N807431-BLK1)		Prepared & Analyzed: 11/29/18								
Hardness	ND	5.00mg CaCO3/L								
LCS (N807431-BS1)		Prepared & Analyzed: 11/29/18								
Hardness	100	mg CaCO3/L	100		100		80-120			
Matrix Spike (N807431-MS1)		Source: N8K0732-04		Prepared & Analyzed: 11/29/18						
Hardness	106	mg CaCO3/L	100	6.00	100		80-120			
Matrix Spike Dup (N807431-MSD1)		Source: N8K0732-04		Prepared & Analyzed: 11/29/18						
Hardness	106	mg CaCO3/L	100	6.00	100		80-120	0.00	20	

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TCEQ Report ID: PWS_TX2120006_AC_20181115_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 B8K3126 - No Prep

Prepared & Analyzed: 11/26/18										
Blank (B8K3126-BLK1)										
Chloride	ND	5.0	mg/L							
Sulfate	ND	5.0	mg/L							

Prepared & Analyzed: 11/26/18										
LCS (B8K3126-BS1)										
Chloride	127		mg/L	125		102	90-110			
Sulfate	101		mg/L	100		101	90-110			

Prepared & Analyzed: 11/26/18										
Matrix Spike (B8K3126-MS1) Source: C8K4790-01										
Chloride	140	5.0	mg/L	125	10.6	103	80-120			
Sulfate	112	5.0	mg/L	100	7.71	104	80-120			

Prepared & Analyzed: 11/26/18										
Matrix Spike Dup (B8K3126-MSD1) Source: C8K4790-01										
Chloride	140	5.0	mg/L	125	10.6	104	80-120	0.249	20	
Sulfate	112	5.0	mg/L	100	7.71	105	80-120	0.0691	20	

Batch B8K3224 - EPA 200.7

Prepared: 11/27/18 Analyzed: 11/28/18										
Blank (B8K3224-BLK1)										
Iron, Total	ND	0.0500	mg/L							
Manganese, Total	ND	0.100	mg/L							

Prepared: 11/27/18 Analyzed: 11/28/18										
Blank (B8K3224-BLK2)										
Iron, Total	ND	0.0500	mg/L							
Manganese, Total	ND	0.100	mg/L							

Prepared: 11/27/18 Analyzed: 11/28/18										
LCS (B8K3224-BS1)										
Iron, Total	0.250	0.0500	mg/L	0.250		99.9	85-115			
Manganese, Total	0.225	0.100	mg/L	0.250		90.1	85-115			

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Bullard PWS
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TCEQ Report ID: PWS_TX2120006_AC_20181115_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 B8K3224 - EPA 200.7

LCS (B8K3224-BS2)		Prepared: 11/27/18 Analyzed: 11/28/18								
Iron, Total	0.238	0.0500	mg/L	0.250		95.2	85-115			
Manganese, Total	0.221	0.100	mg/L	0.250		88.4	85-115			

Matrix Spike (B8K3224-MS1)		Source: C8K4790-01		Prepared: 11/27/18 Analyzed: 11/28/18						
Iron, Total	0.605	0.0500	mg/L	0.250	0.299	122	70-130			
Manganese, Total	0.256	0.100	mg/L	0.250	0.0105	98.2	70-130			

Matrix Spike (B8K3224-MS2)		Source: C8K4792-02		Prepared: 11/27/18 Analyzed: 11/28/18						
Iron, Total	0.282	0.0500	mg/L	0.250	0.0410	96.3	70-130			
Manganese, Total	0.229	0.100	mg/L	0.250	0.00118	91.0	70-130			

Matrix Spike Dup (B8K3224-MSD1)		Source: C8K4790-01		Prepared: 11/27/18 Analyzed: 11/28/18						
Iron, Total	0.586	0.0500	mg/L	0.250	0.299	115	70-130	3.18	20	
Manganese, Total	0.246	0.100	mg/L	0.250	0.0105	94.4	70-130	3.73	20	

Matrix Spike Dup (B8K3224-MSD2)		Source: C8K4792-02		Prepared: 11/27/18 Analyzed: 11/28/18						
Iron, Total	0.294	0.0500	mg/L	0.250	0.0410	101	70-130	4.44	20	
Manganese, Total	0.237	0.100	mg/L	0.250	0.00118	94.2	70-130	3.44	20	

Batch B8K3228 - EPA 200.7

Blank (B8K3228-BLK1)		Prepared: 11/27/18 Analyzed: 11/28/18								
Calcium, Total	ND	0.500	mg/L							
Sodium, Total	ND	0.500	mg/L							

Blank (B8K3228-BLK2)		Prepared: 11/27/18 Analyzed: 11/28/18								
Calcium, Total	ND	0.500	mg/L							
Sodium, Total	ND	0.500	mg/L							

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TCEQ Report ID: PWS_TX2120006_AC_20181115_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 B8K3228 - EPA 200.7										
LCS (B8K3228-BS1)										
				Prepared: 11/27/18 Analyzed: 11/28/18						
Calcium, Total	23.9	0.500	mg/L	25.0		95.7	85-115			
Sodium, Total	26.4	0.500	mg/L	25.0		106	85-115			
LCS (B8K3228-BS2)										
				Prepared: 11/27/18 Analyzed: 11/28/18						
Calcium, Total	24.7	0.500	mg/L	25.0		98.7	85-115			
Sodium, Total	27.4	0.500	mg/L	25.0		110	85-115			
Matrix Spike (B8K3228-MS1)										
				Source: C8K4790-01			Prepared: 11/27/18 Analyzed: 11/28/18			
Calcium, Total	26.7	0.500	mg/L	25.0	0.804	103	70-130			
Sodium, Total	67.1	0.500	mg/L	25.0	40.2	108	70-130			
Matrix Spike (B8K3228-MS2)										
				Source: C8K4792-02			Prepared: 11/27/18 Analyzed: 11/28/18			
Calcium, Total	24.6	0.500	mg/L	25.0	0.282	97.3	70-130			
Sodium, Total	144	0.500	mg/L	25.0	125	75.5	70-130			
Matrix Spike Dup (B8K3228-MSD1)										
				Source: C8K4790-01			Prepared: 11/27/18 Analyzed: 11/28/18			
Calcium, Total	27.3	0.500	mg/L	25.0	0.804	106	70-130	2.18	20	
Sodium, Total	69.2	0.500	mg/L	25.0	40.2	116	70-130	3.11	20	
Matrix Spike Dup (B8K3228-MSD2)										
				Source: C8K4792-02			Prepared: 11/27/18 Analyzed: 11/28/18			
Calcium, Total	25.2	0.500	mg/L	25.0	0.282	99.7	70-130	2.49	20	
Sodium, Total	146	0.500	mg/L	25.0	125	85.0	70-130	1.64	20	

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TCEQ Report ID: PWS_TX2120006_AC_20181115_WQP Analysis Report

Notes and Definitions

- Cs Analyses performed at Coldspring Laboratory.
 - 40 Alkalinity titrated to pH 4.5 endpoint.
 - 12 CCV associated with sample batch did not meet acceptance criteria.
 - DET Analyte DETECTED
 - ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - dry Sample results reported on a dry weight basis
 - RPD Relative Percent Difference
- *All Metals Analyses performed at Coldspring Laboratory, unless otherwise indicated.*

