

Q2311861

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY WATER QUALITY PARAMETER MONITORING FORM 20679																							
Completed by PWS (or Agent)										Completed by Laboratory													
PWS Name: McCoy WSC					Laboratory Name: LCRA Environmental Laboratory Services																		
PWS ID#: TX 0070023					TCEQ Lab ID #: T104704218																		
PWS Address: 2125 FM 541					Laboratory Address: 3505 MONTOPOLIS DR, AUSTIN, TX 78744																		
PWS Contact: Robert Garza					Laboratory Contact: Bhanu Acharya																		
PWS Contact Phone #: (210) 722-0151					Laboratory Contact Phone #: 877-362-5272 / 512-730-6072																		
Inhibitor or Stabilizer Used (✓):		Phosphate		Silica		Calcium carbonate																	
TREATMENT		Alkalinity Dosage Rate:		Inhibitor Dosage Rate:		Laboratory Contact Phone #:																	
Sample Information Sample Type (✓): ☒ Compliance ☐ Non-compliance Sample Collector (✓): ☐ Public Water System ☒ Accredited Lab ☒ 3rd Party Contractor --> LAB ID AL 007274 Temperature and pH (Y or N): ☒ Are temperature and pH included on the sampling entity's Laboratory Approval Form on file at the TCEQ? ☒ Were temperature and pH measured in the field within 15 minutes of sample collection?																							
Facility ID (e.g. DS01, PBCU001)	Sample Point ID (e.g. DSTWQP, EWQP)	Sample Location	Sample Collection		Field Measurements		Replacement? (✓)	Original Sample ID #	Original Sample Date (MMDDYY)	Lab Sample ID	Alkalinity (1827)	Calcium (1819)	Chloride (1017)	Conductivity (1064)	Hardness (1915)	Iron (1028)	Manganese (1032)	Sodium (1052)	Sulfate (1055)	TDS (1930)	O-Phosphate (1044)	Silica (1049)	
			Date (MMDDYY)	Time - 24 hr (HHMM)	pH	Temp (°C)																	
PBCU005	EWQP	1631 CR 429, Pleasanton	03/29/23	0850	8.3	26				Q2311861-001	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
											✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
I acknowledge that information on this form is true and correct and sites selected for sampling follow the instructions in the TCEQ Monitoring and Sample Collection Guidance for Water Quality Parameters. This includes, but not limited to the measurement of pH and temperature immediately upon collection. Falsification of this form or tampering with water samples is a crime punishable under state and/or federal law. (Texas Penal Code, Title 8, Chapter 37.10)															Sample Conditions Upon Receipt (✓) ☒ Samples received unrefrigerated? ☒ Cold ☐ Ambient Rejection Code (if applicable): Actual / Corrected sample temperature: 2.6 / 2.7 Date & Time of Sample Preservation (Acidified): 3/31/23 @ 10:00 Thermometer ID #: 1211								
Name of Authorized PWS Representative (Print): Mike Soroldo					Signature: [Signature]		Organization: McCoy WSC			Date: 3/29/23													
Chain of Custody					Relinquished By (Signature): [Signature]		Relinquished By Courier (Signature): [Signature]			Date/Time: 3/29/23 0855													
Received By Courier (Signature): [Signature]					Date/Time: 3/29/23 0100		Received By Lab (Signature): [Signature]			Date/Time: 3/30/23 17:00													
TCEQ 20679 (Rev 01/2018)															Laboratory Comments: LSO = 2Y0 B2TLR.  02311861 581056								

By relinquishing sample(s) and signing the COC, client agrees to accept and is bound by the ELS Standard Terms and Conditions



PWS_0070023_AC_20230329_WQP Analysis Report
LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

April 10, 2023

LISA BROOKS
STRIKE WATER SERVICES
5042 GESSNER RD.
Houston, TX 77041
[REDACTED]

RE: Final Analytical Report Q2311861

Attn: LISA BROOKS

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. This final report provides results related only to the sample(s) as received for the above referenced work order.

Thank you for selecting ELS for your analytical needs. If you have any questions regarding this report, please contact us at (512) 730-6022 or environmental.lab@lcra.org. We look forward to assisting you again.

Authorized for release by:

Bhanu Acharya
Account Manager
bhanu.acharya@lcra.org



Enclosures:

Workorder: Q2311861
Workorder Description: TX0070023_WQP_03312023
Client: MCCOY WSC
Profile: Water Quality Parameters
Sampled By: MIKE SOROLA

Report To: LISA BROOKS
STRIKE WATER SERVICES
5042 GESSNER RD.
Houston, TX 77041

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2311861001	PBCU005	DW	E200.7 Metals, Trace Elements	03/29/2023 08:50	03/30/2023 17:00	5
Q2311861001	PBCU005	DW	E300.0, Anions	03/29/2023 08:50	03/30/2023 17:00	2
Q2311861001	PBCU005	DW	SM2320B, Alkalinity	03/29/2023 08:50	03/30/2023 17:00	1
Q2311861001	PBCU005	DW	SM2340B, Hardness Calc.	03/29/2023 08:50	03/30/2023 17:00	1
Q2311861001	PBCU005	DW	SM2510B, Conductivity @ 25°C	03/29/2023 08:50	03/30/2023 17:00	1
Q2311861001	PBCU005	DW	SM2540C, TDS	03/29/2023 08:50	03/30/2023 17:00	1

Report Definitions

MRL - Minimum Reporting Limit
LOD - Limit of Detection
ML - Maximum Limit - Client Specified
MCL - Maximum Contaminant Level
LOQ - Limit of Quantitation - Client Specified
DF - Dilution Factor
(S) - Surrogate Spike
MDL - Method Detection Limit
RPD - Relative Percent Difference

Qualifier Definitions

J - Analyte detected below quantitation limit
R - RPD outside duplicate precision limit
S - Spike recovery outside limit
B - Analyte detected in method blank
N - Not Accredited
M - Analyte Detected Above Maximum Contaminant Level
SL - Spike Recovery Low
SH - Spike Recovery High
H - Analyzed Past Hold Time
CR - Confirmed Result
CH - Result confirmed by historical data



PWS_0070023_AC_20230329_WQP Analysis Report
LCRA Environmental Laboratory Services
3505 Montopolis Drive
Austin, TX 78744
Phone (512)730-6022
Fax (512)730-6021

Workorder Summary

Analytical Results

Client ID: TX0070023	Date Collected: 03/29/2023 08:50	Matrix: Drinking Water
Lab ID: Q2311861001	Date Received: 03/30/2023 17:00	Sample Type: SAMPLE
Sample ID: PBCU005	Location: 1631 CR 429, PLEASANTON	
Project ID: Water Quality Parameters	Facility: PBCU005	
	Sample Point: EWQP	

ALKALINITY (SM2320B, Alkalinity)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Total Alkalinity (CaCO ₃)	364	mg/L	20.0	20.0		1	04/05/2023 00:00	ML	04/05/2023 00:00	ML	N

Conductance @ 25°C (SM2510B, Conductivity @ 25°C)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Specific Conductance	931	umho/cm	10.0	10.0		1	04/05/2023 17:25	JLL	04/05/2023 17:25	JLL	

INORGANICS (E200.7 Prep/E200.7 Metals, Trace Elements)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Manganese Total	<0.0100	mg/L	0.0100	0.00400		1	04/04/2023 11:04	FO	04/05/2023 20:17	FM	
Calcium Total	1.52	mg/L	0.200	0.0700		1	04/04/2023 11:04	FO	04/05/2023 20:17	FM	N
Magnesium Total	0.391	mg/L	0.200	0.0700		1	04/04/2023 11:04	FO	04/05/2023 20:17	FM	
Iron Total	<0.0500	mg/L	0.0500	0.0200		1	04/04/2023 11:04	FO	04/05/2023 20:17	FM	
Sodium Total	199	mg/L	0.200	0.0700		1	04/04/2023 11:04	FO	04/05/2023 20:17	FM	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Chloride	83.4	mg/L	2.00	1.00		2	04/03/2023 19:05	ML	04/03/2023 19:05	ML	

INORGANICS (E300.0, Anions)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Sulfate	<1.00	mg/L	1.00	0.500		1	03/31/2023 23:54	ML	03/31/2023 23:54	ML	

INORGANICS (SM2340B, Hardness Calc.)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Total Hardness (as CaCO ₃)	5.41	mg/L				1	04/06/2023 13:04	CW	04/06/2023 13:04	CW	N

TOTAL DISSOLVED SOLIDS (SM2540C, TDS)

Parameter	Results	Units	MRL	LOD	MCL	DF	Prepared	By	Analyzed	By	Qualifier
Total Dissolved Solids(TDS)	528	mg/L	25.0	10.0		10	04/04/2023 13:01	SN	04/04/2023 13:01	SN	

Quality Control Results

QC Batch: MET/9714
Preparation Method: E200.7 Metals, Trace Elements
Associated Lab IDs: Q2311861001

Analysis Method: E200.7 Metals, Trace Elements

Method Reporting Limit Check (1881811)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Iron Total	mg/L	0.05	0.0553	111.0	50 - 150	
Manganese Total	mg/L	0.05	0.0548	110.0	50 - 150	

Method Reporting Limit Check (1881810)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Calcium Total	mg/L	0.2	0.222	111.0	50 - 150	
Magnesium Total	mg/L	0.2	0.236	118.0	50 - 150	
Sodium Total	mg/L	0.2	0.208	104.0	50 - 150	

Quality Control Results

QC Batch: MET/9714
Preparation Method: E200.7 Prep
Associated Lab IDs: Q2311861001

Analysis Method: E200.7 Metals, Trace Elements

Laboratory Reagent Blank(1881747)

Parameter	Units	Results	MRL	LOD	Qualifier
Calcium Total	mg/L	<0.200	0.2	0.07	
Iron Total	mg/L	<0.0500	0.05	0.02	
Magnesium Total	mg/L	<0.200	0.2	0.07	
Manganese Total	mg/L	<0.0100	0.01	0.004	
Sodium Total	mg/L	<0.200	0.2	0.07	

Laboratory Fortified Blank (1881748); Lab Fortified Blank Duplicate (1881749)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Calcium Total	mg/L	10.0	10.2	102.0	85 - 115	10.3	103.0	0.98	20	
Iron Total	mg/L	1.0	1.03	103.0	85 - 115	1.02	102.0	0.976	20	
Magnesium Total	mg/L	10.0	10.1	101.0	85 - 115	10.0	100.0	1.0	20	
Manganese Total	mg/L	1.0	1.04	104.0	85 - 115	1.03	103.0	0.97	20	
Sodium Total	mg/L	10.0	9.09	90.9	85 - 115	9.1	91.0	0.11	20	

Laboratory Fortified Matrix (1881750); Lab Fortified Matrix Duplicate (1881751); Original: Q2311704001

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Calcium Total	mg/L	10.0	113.0	768.0	70 - 130	114.0	779.0	0.88	20	SH
Iron Total	mg/L	1.0	1.08	108.0	70 - 130	1.06	106.0	1.87	20	
Magnesium Total	mg/L	10.0	109.0	1050.0	70 - 130	110.0	1050.0	0.91	20	SH
Manganese Total	mg/L	1.0	1.08	108.0	70 - 130	1.06	106.0	1.9	20	
Sodium Total	mg/L	10.0	68.6	368.0	70 - 130	68.3	366.0	0.438	20	SH

Quality Control Results

QC Batch: WET/28265
Preparation Method: E300.0, Anions
Associated Lab IDs: Q2311861001

Analysis Method: E300.0, Anions

Laboratory Fortified Blank (1881328)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Sulfate	mg/L	30.0	31.3	104.0	90 - 110	

Laboratory Reagent Blank(1881327)

Parameter	Units	Results	MRL	LOD	Qualifier
Sulfate	mg/L	<1.00	1.0	0.5	

Method Reporting Limit Check (1881276)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Sulfate	mg/L	1.0	0.857	85.7	50 - 150	

Limit of Quantitation Check (1881278)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Sulfate	mg/L	5.0	4.5	89.9	70 - 130	

Laboratory Fortified Matrix (1881329); Lab Fortified Matrix Duplicate (1881330); Original: Q2311779007

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Sulfate	mg/L	200.0	745.0	227.0	80 - 120	745.0	227.0	0.0	20	SH

Quality Control Results

QC Batch: WET/28274
Preparation Method: E300.0, Anions
Associated Lab IDs: Q2311861001

Analysis Method: E300.0, Anions

Laboratory Reagent Blank(1881644)

Parameter	Units	Results	MRL	LOD	Qualifier
Chloride	mg/L	<1.00	1.0	0.5	

Method Reporting Limit Check (1881646)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Chloride	mg/L	1.0	0.731	73.1	50 - 150	

Laboratory Fortified Blank (1881647)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Chloride	mg/L	30.0	29.9	99.8	90 - 110	

Laboratory Fortified Matrix (1881649); Lab Fortified Matrix Duplicate (1881650); Original: Q2308594001

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Chloride	mg/L	20.0	44.9	97.8	80 - 120	44.9	97.9	0.0	20	

Limit of Quantitation Check (1881648)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Chloride	mg/L	5.0	4.2	84.0	70 - 130	

Quality Control Results

QC Batch: WET/28280
Preparation Method: SM2540C, TDS
Associated Lab IDs: Q2311861001

Analysis Method: SM2540C, TDS

Lab Control Sample (1882261)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Dissolved Solids(TDS)	mg/L	400.0	372.0	93.0	80 - 120	

Method Blank(1882260)

Parameter	Units	Results	MRL	LOD	Qualifier
Total Dissolved Solids(TDS)	mg/L	<25.0	25.0	10.0	

Duplicate (1882262); Original Q2311725003

Parameter	Units	Original	Duplicate	RPD	RPD Limit	Qualifier
Total Dissolved Solids(TDS)	mg/L	583.0	603.0	3.37	20	

Matrix Spike (1882263); Original: Q2311725003

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Dissolved Solids(TDS)	mg/L	400.0	996.0	103.0	70 - 130	

Quality Control Results

QC Batch: WET/28285
Preparation Method: SM2320B, Alkalinity
Associated Lab IDs: Q2311861001

Analysis Method: SM2320B, Alkalinity

Matrix Spike (1882498); Original: Q2311725002

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	100.0	259.0	66.2	70 - 130	SL

Method Reporting Limit Check (1882492)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	20.0	20.9	105.0	50 - 150	

Lab Control Sample (1882499)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	100.0	93.4	93.4	90 - 110	

Method Blank(1882500)

Parameter	Units	Results	MRL	LOD	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	<20.0	20.0	20.0	

Duplicate (1882497); Original Q2311725002

Parameter	Units	Original	Duplicate	RPD	RPD Limit	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	193.0	193.0	0.0	20	

Limit of Quantitation Check (1882491)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Total Alkalinity (CaCO ₃)	mg/L	20.0	21.0	105.0	70 - 130	

Quality Control Results

QC Batch: WET/28286
Preparation Method: SM2510B, Conductivity @ 25°C
Associated Lab IDs: Q2311861001

Analysis Method: SM2510B, Conductivity @ 25°C

Duplicate (1882506); Original Q2311725007

Parameter	Units	Original	Duplicate	RPD	RPD Limit	Qualifier
Specific Conductance	umho/cm	1390.0	1390.0	0.0	20	

Lab Control Sample (1882507)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Specific Conductance	umho/cm	1000.0	1000.0	100.0	70 - 130	

Method Blank(1882508)

Parameter	Units	Results	MRL	LOD	Qualifier
Specific Conductance	umho/cm	<10.0	10.0	10.0	

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
<i>MET/9714 - E200.7 Metals, Trace Elements</i>			
Q2311861001	PBCU005	MEP/12671	E200.7 Prep
<i>WET/28265 - E300.0, Anions</i>			
Q2311861001	PBCU005		
<i>WET/28274 - E300.0, Anions</i>			
Q2311861001	PBCU005		
<i>WET/28280 - SM2540C, TDS</i>			
Q2311861001	PBCU005		
<i>WET/28285 - SM2320B, Alkalinity</i>			
Q2311861001	PBCU005		
<i>WET/28286 - SM2510B, Conductivity @ 25°C</i>			
Q2311861001	PBCU005		

End of Report