

Workorder: Q2341795

Workorder Description: ANTEAGOFORTH_HARDNESS_0929202
3

Client: ANTEA GROUP

Profile: GOFORTH NON COMPLIANCE

Sampled By: MIRIAHA CADDIE

Report To: CHARLES MEDINA
ANTEA GROUP-PFOAS
9009 MOUNTAIN RIDGE DR.
SUITE 110
Austin, TX 78759

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
Q2341795001	PLANT A FLUSH VALVE	DW	E200.7 Metals, Trace Elements	09/29/2023 09:15	09/29/2023 10:32	2
Q2341795001	PLANT A FLUSH VALVE	DW	SM2340B, Hardness Calc.	09/29/2023 09:15	09/29/2023 10:32	1
Q2341795002	PLANT I FLUSH VALVE	DW	E200.7 Metals, Trace Elements	09/29/2023 09:39	09/29/2023 10:32	2
Q2341795002	PLANT I FLUSH VALVE	DW	SM2340B, Hardness Calc.	09/29/2023 09:39	09/29/2023 10:32	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

Analytical Results

Client ID: ANTEA GROUP	Date Collected: 09/29/2023 09:15	Matrix: Drinking Water
Lab ID: Q2341795001	Date Received: 09/29/2023 10:32	Sample Type: SAMPLE
Sample ID: PLANT A FLUSH VALVE	Location:	
Project ID: GOFORTH NON COMPLIANCE	Facility:	
	Sample Point:	

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

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium Total	75.5	mg/L	0.200	0.0700		1	10/03/2023 13:07	MAB	10/04/2023 16:05	FM	N
Magnesium Total	35.4	mg/L	0.200	0.0700		1	10/03/2023 13:07	MAB	10/04/2023 16:05	FM	

INORGANICS (SM2340B, Hardness Calc.)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Hardness (as CaCO3)	334	mg/L				1	10/05/2023 07:44	CW	10/05/2023 07:44	CW	N

Analytical Results

Client ID: ANTEA GROUP	Date Collected: 09/29/2023 09:39	Matrix: Drinking Water
Lab ID: Q2341795002	Date Received: 09/29/2023 10:32	Sample Type: SAMPLE
Sample ID: PLANT I FLUSH VALVE	Location:	
Project ID: GOFORTH NON COMPLIANCE	Facility:	
	Sample Point:	

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

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Calcium Total	58.9	mg/L	0.200	0.0700		1	10/03/2023 13:07	MAB	10/04/2023 16:07	FM	N
Magnesium Total	19.3	mg/L	0.200	0.0700		1	10/03/2023 13:07	MAB	10/04/2023 16:07	FM	

INORGANICS (SM2340B, Hardness Calc.)

Parameter	Results	Units	MRL	LOD	ML	DF	Prepared	By	Analyzed	By	Qualifier
Total Hardness (as CaCO ₃)	227	mg/L				1	10/05/2023 07:44	CW	10/05/2023 07:44	CW	N

Quality Control Results

QC Batch: MET/10022
Preparation Method: E200.7 Metals, Trace Elements
Associated Lab IDs: Q2341795001, Q2341795002

Analysis Method: E200.7 Metals, Trace Elements

Method Reporting Limit Check (1978769)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery%	Control Limits %	Qualifier
Calcium Total	mg/L	0.2	0.231	115.0	50 - 150	
Magnesium Total	mg/L	0.2	0.231	116.0	50 - 150	

Quality Control Results

QC Batch: MET/10022 **Analysis Method:** E200.7 Metals, Trace Elements
Preparation Method: E200.7 Prep
Associated Lab IDs: Q2341795001, Q2341795002

Laboratory Fortified Matrix (1978570); Lab Fortified Matrix Duplicate (1978571); Original: Q2341608024

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Calcium Total	mg/L	10.0	12.8	106.0	70 - 130	12.5	104.0	2.37	20	
Magnesium Total	mg/L	10.0	10.5	100.0	70 - 130	10.5	101.0	0.0	20	

Laboratory Fortified Blank (1978567); Lab Fortified Blank Duplicate (1978568)

Parameter	Units	Spiked Amount	Spike Result	%Spike Recovery	Control Limits %	Duplicate Result	%Duplicate Recovery	RPD	RPD Limit	Qualifier
Calcium Total	mg/L	10.0	10.3	103.0	85 - 115	10.4	104.0	0.96 6	20	
Magnesium Total	mg/L	10.0	10.3	103.0	85 - 115	10.3	103.0	0.0	20	

Laboratory Reagent Blank(1978569)

Parameter	Units	Results	MRL	LOD	Qualifier
Calcium Total	mg/L	<0.200	0.2	0.07	
Magnesium Total	mg/L	<0.200	0.2	0.07	

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MET/10022 - E200.7 Metals, Trace Elements			
Q2341795001	PLANT A FLUSH VALVE	MEP/13135	E200.7 Prep
Q2341795002	PLANT I FLUSH VALVE	MEP/13135	E200.7 Prep