



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER QUALITY PARAMETER MONITORING FORM 20679

Completed by PWS (or Agent)				Completed by Laboratory			
Sunchase Meadows - Aqua Texas				Fort Worth Centralized Water & Wastewater Laboratory			
PWS Name:		Laboratory Name:		TCEQ Lab ID #:		48135	
PWS ID#:		TX1110087		2600 SE Loop 820			
PWS Address:		9450 Silver Creek, Fort Worth, TX 76108		Fort Worth, TX 76140		108538	
PWS Contact:		Steve Blackhurst		David Nelson			
PWS Contact Phone #:		972-750-6954		Laboratory Contact Phone #:		[817] 392-5900	
Inhibitor or Stabilizer Used (✓):		Alkalinity Dosage Rate:		Silica		Calcium carbonate	
TREATMENT		Inhibitor Dosage Rate:		Non-compliance		Public Water System	
Sample Type (✓):		Compliance		Accredited Lab		3rd Party Contractor --> LAB ID	
Sample Collector (✓):		Public Water System		Accredited Lab		3rd Party Contractor --> LAB ID	
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?			
Sample Point ID (e.g., DSTWQP, EWQP)		Sample Location		Date (MMDDYY)		Time - 24 hr (HHMM)	
PBCU001		5497 S. Meadows Cir		11/10/22		12:14	
PBCU002		5514 Sunchase Ct.		11/10/22		11:37	
PBCU003		200 Industrial Ave.		11/10/22		Not in Service	
PSC1		5703 N. Sunchase Dr.		11/10/22		12:59	
Field Measurements		pH		Temp (°C)		Replacement?	
		8.67		21.6			
		8.64		22.9			
		8.65		20.9			
Sample Conditions Upon Receipt (✓)		Alkalinity (1927)		Calcium (1919)		Chloride (1017)	
		✓		✓		✓	
		Conductivity (1064)		Hardness (1915)		Iron (1028)	
		✓		✓		✓	
		Manganese (1032)		Sulfate (1055)		TDS (1930)	
		✓		✓		✓	
		Silica (1049)		O-Phosphate (1044)		Silica (1049)	
		✓		✓		✓	
Name of Authorized PWS Representative (Print)		Signature		Organization		Date	
Steve Blackhurst		[Signature]		Ind Contractor		11/10/22	
Chain of Custody		Relinquished By (Signature)		Relinquished By Courier (Signature)		Date/Time	
[Signature]		[Signature]		[Signature]		11/10/22	
Received By Courier (Signature)		Received By Lab (Signature)		Received By Lab (Signature)		Date/Time	
[Signature]		[Signature]		[Signature]		11/10/22	
Laboratory Comments:		Date & Time of Sample Preservation (if applicable):		Thermometer ID #:			
11-10-22 15:45		11-10-22 15:45		P			



2600 S.E. Loop 820 Fort Worth, TX 76140 Phone (817) 392-5900 Fax (817) 392-5920

Please print legibly

Client Contact Information				State (of sample origin)		Project Name		Sampler (Printed) Name of Sampler:	
				TX		Sunchase Meadows PWS TX110087		Steve Blackhorse 972-750-6954	
								Work Order ID: SunchaseMts PWS110087 111022	
Sample ID #	Collection Date	Collection Time	Sampling Site	Test Name	Sample Remarks	# of Containers	Matrix Code	Sample Type	
PBCU001 EWQP	11/10/22	12:14 AM PM	5497 Sun Meadow Cir.	2320B-TALK, 3500-CALC, 3500CaHard, 2510-COND, 2340C-HARD, 200.8MNDW, 300.0-SO4, 300.0-CL, 2540C-TDS, [CONAB]; 365.4-TPO4, WQPACID	10853801	4	DW	G	
PBCU002 EWQP	11/10/22	11:37 AM PM	5514 Sunchase Ct.	2320B-TALK, 3500-CALC, 3500CaHard, 2510-COND, 2340C-HARD, 200.8MNDW, 300.0-SO4, 300.0-CL, 2540C-TDS, [CONAB]; 365.4-TPO4, WQPACID	10853802	4	DW	G	
PBCU003 EWQP	11/10/22	— AM PM	209 Industrial Ave Not In Service	2320B-TALK, 3500-CALC, 3500CaHard, 2510-COND, 2340C-HARD, 200.8MNDW, 300.0-SO4, 300.0-CL, 2540C-TDS, [CONAB]; 365.4-TPO4, WQPACID		4	DW	G	
D501 DSTVQSP	11/10/22	12:59 AM PM	5703 N. Sunchase Pr.	2320B-TALK, 3500-CALC, 3500CaHard, 2510-COND, 2340C-HARD, 200.8MNDW, 300.0-SO4, 300.0-CL, 2540C-TDS, [CONAB]; 365.4-TPO4, WQPACID	10853803	4	DW	G	

Field Comments:		Carrier	Airbill No	Cooler No.	Date Shipped
Relinquished By: (Signature) <i>[Signature]</i>	Date 11/10/22	Time 3:02 AM PM	Received By: (Signature) <i>[Signature]</i>	Date 11-10-22	Time 1:52 PM
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time

LAB COMMENTS	Project Information Update: 12/08/14
IR Thermometer: P	
CONDITIONS UPON RECEIPT (Check One) ☒ Ice Ambient 11.1 °C Upon Receipt	

Matrix Codes:	Container Types	Sample Types
DW=Drinking Water	V=VOA Vials	C=Composite
NP=Non-Potable Water	AG=Amber Glass	G=Grab
S=Solid Waste	CG=Clear Glass	
WW=Wastewater	P=Plastic	

WMS-003

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT

Rev. 2

Issue Date: 12/23/2014

Effective Date: 01/01/2015



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Monday, November 21, 2022

Steve Blackhurst
Aqua Texas - Fort Worth
9450 Silver Creek
Fort Worth, TX 76108

RE: 108538 SunchaseMea PWS1110087 111022

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, November 10, 2022. Results reported herein conform to the 2016 TNi Standards, where applicable, unless otherwise narrated in the body of the report. All results being reported under this Report Identification Number apply only to the samples analyzed and properly identified with a Sample ID number.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by The City of Fort Worth Water Department Centralized Water and Wastewater Laboratory. This report will be filed for at least 10 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The sample(s) received, and described as recorded in this report will be stored up to 30 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample size exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting The City of Fort Worth Water Department Centralized Water and Wastewater Laboratory to serve your analytical needs. If you have any questions concerning this report, please feel free to contact the Laboratory at (817) 392-5900 any time.

Sincerely,

David Nelson
Laboratory Manager



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

Sample Summary

Lab ID	Sample ID	Date Collected	Date Received	Sampler	Matrix
10853801	5497 Sun Meadow Cir - EWQP	11/10/2022 12:14	11/10/2022 15:02	S Blackhurst	DW
10853802	5514 Sunchase Ct - EWQP	11/10/2022 11:37	11/10/2022 15:02	S Blackhurst	DW
10853803	5703 N Sunchase Dr - DSTWQP	11/10/2022 12:59	11/10/2022 15:02	S Blackhurst	DW



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

Workorder Summary

Analysis Results Comments

10853801 (5497 Sun Meadow Cir) - Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

10853801 (5497 Sun Meadow Cir) - Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

10853802 (5514 Sunchase Ct) - Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

10853802 (5514 Sunchase Ct) - Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

10853803 (5703 N Sunchase Dr) - Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

10853803 (5703 N Sunchase Dr) - Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

Analytical Results

Lab ID:	10853801	Date Collected:						11/10/2022 12:14	Matrix:	Drinking Water		
Sample ID:	5497 Sun Meadow Cir - EWQP					Date Received:		11/10/2022 15:02				
Parameter	Results	Units	RDL	MDL	DF	Cert	Prepared		By	Analyzed	By	Qual
GENCHEM (SM 2320B Alkalinity)												
Alkalinity as CaCO3	339	mg/L	30	9.2	1	TX App	11/11/2022 13:20		JK	11/11/2022 13:20	JK	
GENCHEM (SM 2340C Hardness)												
Hardness as CaCO3	9.20	mg/L	5		1	TX	11/14/2022 10:00		JK	11/14/2022 10:00	JK	*
GENCHEM (SM 2510B Conductivity)												
Specific Conductance at 25 °C	962	umhos/cm	2		1	TX	11/11/2022 14:00		FR	11/11/2022 14:00	FR	
GENCHEM (SM 3500CaB Calcium)												
Calcium Hardness as CaCO3	7.80	mg/L	5.00		1	TX App	11/14/2022 10:25		JK	11/14/2022 10:25	JK	*
GRAV (SM 2540C TDS)												
Total Dissolved Solids	590	mg/L		6.00	1	TX	11/11/2022 16:00		FR	11/11/2022 16:00	FR	
IC (EPA 300.0 PartA Anions)												
Sulfate	91.7	mg/L	5.00	0.01	1	TX	11/11/2022 05:04		KB1	11/11/2022 05:04	KB1	
Chloride	45.8	mg/L	5.00	0.01	1	TX	11/11/2022 05:04		KB1	11/11/2022 05:04	KB1	
METALS (EPA 200.8 - ICP-MS Metals Prep/EPA 200.8, ICP-MS Metals)												
Manganese	<0.00500	mg/L	0.00500		1	TX	11/18/2022 12:15		MG	11/18/2022 13:20	MG	
METALS (None)												
Sample Acidification	Complete				1		11/10/2022 15:45		JK	11/10/2022 15:45	JK	

Analysis Results Comments

Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

Analytical Results

Lab ID:	10853802	Date Collected:	11/10/2022 11:37					Matrix:	Drinking Water		
Sample ID:	5514 Sunchase Ct - EWQP		Date Received:	11/10/2022 15:02							
Parameter	Results	Units	RDL	MDL	DF	Cert	Prepared	By	Analyzed	By	Qual
GENCHEM (SM 2320B Alkalinity)											
Alkalinity as CaCO3	341	mg/L	30	9.2	1	TX App	11/11/2022 13:20	JK	11/11/2022 13:20	JK	
GENCHEM (SM 2340C Hardness)											
Hardness as CaCO3	8.80	mg/L	5		1	TX	11/14/2022 10:00	JK	11/14/2022 10:00	JK	*
GENCHEM (SM 2510B Conductivity)											
Specific Conductance at 25 °C	960	umhos/cm	2		1	TX	11/11/2022 14:00	FR	11/11/2022 14:00	FR	
GENCHEM (SM 3500CaB Calcium)											
Calcium Hardness as CaCO3	7.60	mg/L	5.00		1	TX App	11/14/2022 10:25	JK	11/14/2022 10:25	JK	*
GRAV (SM 2540C TDS)											
Total Dissolved Solids	579	mg/L		6.00	1	TX	11/11/2022 16:00	FR	11/11/2022 16:00	FR	
IC (EPA 300.0 PartA Anions)											
Sulfate	91.0	mg/L	5.00	0.01	1	TX	11/11/2022 07:38	KB1	11/11/2022 07:38	KB1	
Chloride	45.9	mg/L	5.00	0.01	1	TX	11/11/2022 07:38	KB1	11/11/2022 07:38	KB1	
METALS (EPA 200.8 - ICP-MS Metals Prep/EPA 200.8, ICP-MS Metals)											
Manganese	<0.00500	mg/L	0.00500		1	TX	11/18/2022 12:15	MG	11/18/2022 13:25	MG	
METALS (None)											
Sample Acidification	Complete				1		11/10/2022 15:45	JK	11/10/2022 15:45	JK	

Analysis Results Comments

Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

Analytical Results

Lab ID:	10853803	Date Collected:	11/10/2022 12:59					Matrix:	Drinking Water		
Sample ID:	5703 N Sunchase Dr - DSTWQP		Date Received:	11/10/2022 15:02							
Parameter	Results	Units	RDL	MDL	DF	Cert	Prepared	By	Analyzed	By	Qual
GENCHEM (SM 2320B Alkalinity)											
Alkalinity as CaCO3	344	mg/L	30	9.2	1	TX App	11/11/2022 13:20	JK	11/11/2022 13:20	JK	
GENCHEM (SM 2340C Hardness)											
Hardness as CaCO3	8.40	mg/L	5		1	TX	11/14/2022 10:00	JK	11/14/2022 10:00	JK	*
GENCHEM (SM 2510B Conductivity)											
Specific Conductance at 25 °C	956	umhos/cm	2		1	TX	11/11/2022 14:45	FR	11/11/2022 14:45	FR	
GENCHEM (SM 3500CaB Calcium)											
Calcium Hardness as CaCO3	8.40	mg/L	5.00		1	TX App	11/14/2022 10:25	JK	11/14/2022 10:25	JK	*
GRAV (SM 2540C TDS)											
Total Dissolved Solids	588	mg/L		6.00	1	TX	11/11/2022 16:00	FR	11/11/2022 16:00	FR	
IC (EPA 300.0 PartA Anions)											
Sulfate	91.0	mg/L	5.00	0.01	1	TX	11/11/2022 08:30	KB1	11/11/2022 08:30	KB1	
Chloride	45.9	mg/L	5.00	0.01	1	TX	11/11/2022 08:30	KB1	11/11/2022 08:30	KB1	
METALS (EPA 200.8 - ICP-MS Metals Prep/EPA 200.8, ICP-MS Metals)											
Manganese	<0.00500	mg/L	0.00500		1	TX	11/18/2022 12:15	MG	11/18/2022 13:29	MG	
METALS (None)											
Sample Acidification	Complete				1		11/10/2022 15:45	JK	11/10/2022 15:45	JK	

Analysis Results Comments

Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88658
Preparation Method: SM 2510B Conductivity
Associated Lab IDs: 10853801, 10853802

Analysis Method: SM 2510B Conductivity

Method Blank(446380)

Parameter	Results	Units	RDL	MDL	Qual
Specific Conductance at 25 °C	<0.78	umhos/cm	0.78		

Lab Fortified Blank (446382)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Specific Conductance at 25 °C	umhos/cm	447	450	101	90 - 110	

Sample Duplicate (446384) Original (10844601)

Parameter	Result	Duplicate	Units	RPD	RPD Limit	Qual
Specific Conductance at 25 °C	447	437	umhos/cm	2	20	

Sample Duplicate (446385) Original (10844801)

Parameter	Result	Duplicate	Units	RPD	RPD Limit	Qual
Specific Conductance at 25 °C	328	327	umhos/cm	0	20	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88659
Preparation Method: SM 2510B Conductivity
Associated Lab IDs: 10853803

Analysis Method: SM 2510B Conductivity

Method Blank(446387)

Parameter	Results	Units	RDL	MDL	Qual
Specific Conductance at 25 °C	<0.78	umhos/cm	0.78		

Lab Fortified Blank (446389)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Specific Conductance at 25 °C	umhos/cm	447	448	100	90 - 110	

Sample Duplicate (446391) Original (10853803)

Parameter	Result	Duplicate	Units	RPD	RPD Limit	Qual
Specific Conductance at 25 °C	956	956	umhos/cm	0	20	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88666
Preparation Method: SM 2340C Hardness
Associated Lab IDs: 10853801, 10853802, 10853803

Analysis Method: SM 2340C Hardness

Method Blank(446415)

Parameter	Results	Units	RDL	MDL	Qual
Hardness as CaCO ₃	<2	mg/L	2		

Lab Fortified Blank (446417)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Hardness as CaCO ₃	mg/L	50	47.8	96	80 - 120	

Fortified Sample (446524); Fortified Sample Dup (446525) Original (10853701)

Parameter	Orig Result	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Dup Result	Dup Rec %	RPD	RPD Limit	Qual
Hardness as CaCO ₃	25.8	mg/L	50	71.2	91	80 - 120	71.4	91	0	20	

QC Analyte Comments

Fortified Sample - 446524 - Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

Fortified Sample Dup - 446525 - Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88678
Preparation Method: SM 2320B Alkalinity
Associated Lab IDs: 10853801, 10853802, 10853803

Analysis Method: SM 2320B Alkalinity

Method Blank(446482)

Parameter	Results	Units	RDL	MDL	Qual
Alkalinity as CaCO ₃	<9.2	mg/L	9.2	9.2	

Lab Fortified Blank (446484)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Alkalinity as CaCO ₃	mg/L	50	51.5	103	80 - 120	

Sample Duplicate (446486) Original (10853701)

Parameter	Result	Duplicate	Units	RPD	RPD Limit	Qual
Alkalinity as CaCO ₃	325	326	mg/L	0	20	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88679

Analysis Method: SM 2540C TDS

Preparation Method: SM 2540C TDS

Associated Lab IDs: 10853801, 10853802, 10853803

Method Blank(446492)

Parameter	Results	Units	RDL	MDL	Qual
Total Dissolved Solids	<17.0	mg/L	17.0	6.00	

Lab Fortified Blank (446493)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Total Dissolved Solids	mg/L	1000	996	100	80 - 120	

Sample Duplicate (446494) Original (10844703)

Parameter	Result	Duplicate	Units	RPD	RPD Limit	Qual
Total Dissolved Solids	266	258	mg/L	3	10	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: INOR/88697
Preparation Method: SM 3500CaB Calcium
Associated Lab IDs: 10853801, 10853802, 10853803

Analysis Method: SM 3500CaB Calcium

Method Blank(446552)

Parameter	Results	Units	RDL	MDL	Qual
Calcium Hardness as CaCO ₃	<1.54	mg/L	1.54		

Lab Fortified Blank (446554)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Calcium Hardness as CaCO ₃	mg/L	50	47.6	95	80 - 120	

Fortified Sample (446556); Fortified Sample Dup (446557) Original (10853701)

Parameter	Orig Result	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Dup Result	Dup Rec %	RPD	RPD Limit	Qual
Calcium Hardness as CaCO ₃	21.4	mg/L	50	70.2	98	80 - 120	70.2	98	0	20	

QC Analyte Comments

Fortified Sample - 446556 - Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.

Fortified Sample Dup - 446557 - Calcium Hardness as CaCO₃

SQ5|Sample received with inadequate chemical preservation, but preserved by the laboratory.



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: MET/8787

Analysis Method: EPA 200.8, ICP-MS Metals

Preparation Method: EPA 200.8 - ICP-MS Metals Prep

Associated Lab IDs: 10853801, 10853802, 10853803

Lab Reagent Blank(447071)

Parameter	Results	Units	RDL	MDL	Qual
Manganese	<0.000259	mg/L	0.000259	0.00	

Lab Fortified Blank (447072)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Manganese	mg/L	0.10	.104	104	85 - 115	

Fortified Sample (447074); Fortified Sample Dup (447075) Original (10853701)

Parameter	Orig Result	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Dup Result	Dup Rec %	RPD	RPD Limit	Qual
Manganese	0.002	mg/L	0.10	.104	103	70 - 130	.103	101	2	20	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Results

QC Batch: ORG/16039

Analysis Method: EPA 300.0 PartA Anions

Preparation Method: EPA 300.0 PartA Anions

Associated Lab IDs: 10853801, 10853802, 10853803

Method Blank Filtered(446346)

Parameter	Results	Units	RDL	MDL	Qual
Chloride	<0.81	mg/L	0.81	0.01	
Sulfate	<0.76	mg/L	0.76	0.01	

Lab Fortified Blank - Filtered (446347)

Parameter	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Qual
Chloride	mg/L	60	59.8	100	90 - 110	
Sulfate	mg/L	60	60.1	100	90 - 110	

Fortified Sample (446348); Fortified Sample Dup (446349) Original (10853801)

Parameter	Orig Result	Units	Spiked Amount	Spike Result	Spike Rec %	Control Limits	Dup Result	Dup Rec %	RPD	RPD Limit	Qual
Chloride	45.8	mg/L	60	105	98	80 - 120	105	98	0	20	
Sulfate	91.7	mg/L	60	149	95	80 - 120	149	95	0	20	



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method	Analytical Batch	Analytical Method
INOR/88656 - None					
10853801	5497 Sun Meadow Cir			INOR/88656	None
10853802	5514 Sunchase Ct			INOR/88656	None
10853803	5703 N Sunchase Dr			INOR/88656	None
INOR/88658 - SM 2510B Conductivity					
10853801	5497 Sun Meadow Cir			INOR/88658	SM 2510B Conductivity
10853802	5514 Sunchase Ct			INOR/88658	SM 2510B Conductivity
INOR/88659 - SM 2510B Conductivity					
10853803	5703 N Sunchase Dr			INOR/88659	SM 2510B Conductivity
INOR/88666 - SM 2340C Hardness					
10853801	5497 Sun Meadow Cir			INOR/88666	SM 2340C Hardness
10853802	5514 Sunchase Ct			INOR/88666	SM 2340C Hardness
10853803	5703 N Sunchase Dr			INOR/88666	SM 2340C Hardness
INOR/88678 - SM 2320B Alkalinity					
10853801	5497 Sun Meadow Cir			INOR/88678	SM 2320B Alkalinity
10853802	5514 Sunchase Ct			INOR/88678	SM 2320B Alkalinity
10853803	5703 N Sunchase Dr			INOR/88678	SM 2320B Alkalinity
INOR/88679 - SM 2540C TDS					
10853801	5497 Sun Meadow Cir			INOR/88679	SM 2540C TDS
10853802	5514 Sunchase Ct			INOR/88679	SM 2540C TDS
10853803	5703 N Sunchase Dr			INOR/88679	SM 2540C TDS
INOR/88697 - SM 3500CaB Calcium					
10853801	5497 Sun Meadow Cir			INOR/88697	SM 3500CaB Calcium
10853802	5514 Sunchase Ct			INOR/88697	SM 3500CaB Calcium
10853803	5703 N Sunchase Dr			INOR/88697	SM 3500CaB Calcium



Centralized Water and Wastewater Laboratory

2600 SE Loop 820 Fort Worth, Texas 76140 Tel: 817-392-5900 Fax: 817-392-5920



T104704200

Certificate of Analysis

Workorder: 108538 SunchaseMea PWS1110087 111022

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method	Analytical Batch	Analytical Method
MET/8787 - EPA 200.8, ICP-MS Metals					
10853801	5497 Sun Meadow Cir	MET/8783	EPA 200.8 - ICP-MS Metals Prep	MET/8787	EPA 200.8, ICP-MS Metals
10853802	5514 Sunchase Ct	MET/8783	EPA 200.8 - ICP-MS Metals Prep	MET/8787	EPA 200.8, ICP-MS Metals
10853803	5703 N Sunchase Dr	MET/8783	EPA 200.8 - ICP-MS Metals Prep	MET/8787	EPA 200.8, ICP-MS Metals
ORG/16039 - EPA 300.0 PartA Anions					
10853801	5497 Sun Meadow Cir			ORG/16039	EPA 300.0 PartA Anions
10853802	5514 Sunchase Ct			ORG/16039	EPA 300.0 PartA Anions
10853803	5703 N Sunchase Dr			ORG/16039	EPA 300.0 PartA Anions