

**ANALYTICAL REPORT FOR SAMPLES**

Laboratory ID : 2211096-01  
Sample Name : 2009 Hillcrest 1038  
Sample Alias :  
Sample Type : Grab  
Sampled Begin : 2022-03-08 10:55  
Sampled Ended : 2022-03-08 10:55  
Matrix : Aqueous; (Water)  
Outfall :  
Sampler A : Claudio Garcia  
Sampler B :  
Job Info :

Laboratory ID : 2211096-02  
Sample Name : 2105 Hillcrest 114  
Sample Alias :  
Sample Type : Grab  
Sampled Begin : 2022-03-08 11:24  
Sampled Ended : 2022-03-08 11:24  
Matrix : Aqueous; (Water)  
Outfall :  
Sampler A : Claudio Garcia  
Sampler B :  
Job Info :

North Texas Municipal Water District



Kevin Frantz For Kelly Harden, Laboratory Manager



*The results in this report apply to the samples analyzed in accordance with the chain of custody document.*

North Texas Municipal Water District Laboratory  
201 E Brown St.  
Wylie, TX 75098  
PMR-4 01/26/2012

**ANALYTICAL REPORT FOR SAMPLES**

**2009 Hillcrest 1038 (2211096-01)**

Total Metals by EPA 200.8

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Silver	lmg	ND	0.500	0.250	0.500	ug/L	1	2206730	2022-03-10	2022-03-14	EPA 200.8	
<b>Arsenic</b>	lmg	<b>0.583</b>	0.500	0.250	0.500	ug/L	1	"	2022-03-10	2022-03-14	"	
Cadmium	lmg	ND	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	
Chromium	lmg	ND	2.50	1.25	2.50	ug/L	1	"	2022-03-10	2022-03-14	"	
<b>Nickel</b>	lmg	<b>7.77</b>	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	
<b>Lead</b>	lmg	<b>3.97</b>	0.500	0.250	0.500	ug/L	1	"	2022-03-10	2022-03-14	"	
Selenium	lmg	ND	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	CCBJ
<b>Zinc</b>	lmg	<b>16.1</b>	2.50	1.25	2.50	ug/L	1	"	2022-03-10	2022-03-14	"	

Total Mercury by EPA 245.1

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Mercury	ran	ND	0.100	0.0500	0.100	ug/L	1	2208010	2022-03-21	2022-03-22	EPA 245.1	

**2009 Hillcrest 1038 (2211096-01RE1)**

Total Metals by EPA 200.8

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
<b>Copper</b>	lmg	<b>326</b>	10.0	0.500	1.00	ug/L	10	2206730	2022-03-10	2022-03-14	EPA 200.8	

**2105 Hillcrest 114 (2211096-02)**

Total Metals by EPA 200.8

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Silver	lmg	ND	0.500	0.250	0.500	ug/L	1	2206730	2022-03-10	2022-03-14	EPA 200.8	
<b>Arsenic</b>	lmg	<b>0.612</b>	0.500	0.250	0.500	ug/L	1	"	2022-03-10	2022-03-14	"	
Cadmium	lmg	ND	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	
Chromium	lmg	ND	2.50	1.25	2.50	ug/L	1	"	2022-03-10	2022-03-14	"	
<b>Nickel</b>	lmg	<b>7.94</b>	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	
Lead	lmg	ND	0.500	0.250	0.500	ug/L	1	"	2022-03-10	2022-03-14	"	
Selenium	lmg	ND	1.00	0.500	1.00	ug/L	1	"	2022-03-10	2022-03-14	"	CCBJ
<b>Zinc</b>	lmg	<b>28.1</b>	2.50	1.25	2.50	ug/L	1	"	2022-03-10	2022-03-14	"	

Total Mercury by EPA 245.1

North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
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North Texas Municipal Water District

City of Mesquite  
1101 East Main  
Mesquite, TEXAS 75149

Project: **Special Request**  
Project Number: Metals  
Project Manager: Claudio Garcia

**Reported:**  
2022-03-23 15:09

**ANALYTICAL REPORT FOR SAMPLES**

**2105 Hillcrest 114 (2211096-02)**

Total Mercury by EPA 245.1  
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Mercury	ran	ND	0.100	0.0500	0.100	ug/L	1	2208010	2022-03-21	2022-03-22	EPA 245.1	

**2105 Hillcrest 114 (2211096-02RE1)**

Total Metals by EPA 200.8  
North Texas Municipal Water District

Analyte	Analyst	Result	SRL	MDL	MRL	Units	Prep Ratio	Batch	Prepared	Analyzed	Method	Notes
Copper	lmg	<b>180</b>	10.0	0.500	1.00	ug/L	10	2206730	2022-03-10	2022-03-14	EPA 200.8	

**ANALYTICAL REPORT FOR SAMPLES**

**Total Metals by EPA 200.8 - Quality Control**  
**North Texas Municipal Water District**

Analyte	Result	AQL	Units	Spike Level	MDL	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2206730 - [200.8 Digestion] Digested down to 10mL at 95°C**

**Blank (2206730-BLK1)**

Prepared: 2022-03-10 Analyzed: 2022-03-14

Arsenic	ND	0.500	ug/L		0.250						
Cadmium	ND	1.00	"		0.500						
Copper	ND	1.00	"		0.500						
Lead	ND	0.500	"		0.250						
Nickel	ND	1.00	"		0.500						
Selenium	ND	1.00	"		0.500						CCBJ
Silver	ND	0.500	"		0.250						
Zinc	ND	2.50	"		1.25						
Chromium	ND	2.50	"		1.25						

**LCS (2206730-BS1)**

Prepared: 2022-03-10 Analyzed: 2022-03-14

Arsenic	48.7	0.500	ug/L	50.0	0.250		97.3	85-115			
Cadmium	51.0	1.00	"	50.0	0.500		102	85-115			
Copper	50.1	1.00	"	50.0	0.500		100	85-115			
Lead	51.9	0.500	"	50.0	0.250		104	85-115			
Nickel	49.8	1.00	"	50.0	0.500		99.6	85-115			
Selenium	46.7	1.00	"	50.0	0.500		93.4	85-115			CCBJ
Silver	51.3	0.500	"	50.0	0.250		103	85-115			
Zinc	49.3	2.50	"	50.0	1.25		98.7	85-115			
Chromium	50.1	2.50	"	50.0	1.25		100	85-115			

**LCS Dup (2206730-BSD1)**

Prepared: 2022-03-10 Analyzed: 2022-03-14

Arsenic	49.2	0.500	ug/L	50.0	0.250		98.4	85-115	1.14	20	
Cadmium	51.9	1.00	"	50.0	0.500		104	85-115	1.67	20	
Copper	50.3	1.00	"	50.0	0.500		101	85-115	0.444	20	
Lead	51.8	0.500	"	50.0	0.250		104	85-115	0.111	20	
Nickel	49.4	1.00	"	50.0	0.500		98.8	85-115	0.825	20	
Selenium	50.2	1.00	"	50.0	0.500		100	85-115	7.11	20	CCBJ
Silver	51.9	0.500	"	50.0	0.250		104	85-115	1.26	20	
Zinc	50.3	2.50	"	50.0	1.25		101	85-115	1.96	20	
Chromium	50.0	2.50	"	50.0	1.25		100	85-115	0.156	20	

**LOQ Check Standard (2206730-MRL1)**

Prepared: 2022-03-10 Analyzed: 2022-03-14

Copper	0.974	1.00	ug/L	1.00	0.500		97.4	0-200			J
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**LCR Pb 0.5 ppb, Cu 0.50 ppb MRL Check (2206730-MRL)**

Prepared: 2022-03-10 Analyzed: 2022-03-14

Lead	0.505	0.500	ug/L	0.500	0.250		101	0-200			
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**Matrix Spike (2206730-MS1)**

Source: 2211073-01

Prepared: 2022-03-10 Analyzed: 2022-03-14

Arsenic	1570	16.7	ug/L	1670	8.33	26.0	92.7	70-130			
Cadmium	1620	33.3	"	1670	16.7	ND	97.3	70-130			
Copper	1680	33.3	"	1670	16.7	86.7	95.9	70-130			
Lead	1660	16.7	"	1670	8.33	ND	99.6	70-130			

**ANALYTICAL REPORT FOR SAMPLES**

**Total Metals by EPA 200.8 - Quality Control**  
**North Texas Municipal Water District**

Analyte	Result	AQL	Units	Spike Level	MDL	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2206730 - [200.8 Digestion] Digested down to 10mL at 95°C**

<b>Matrix Spike (2206730-MS1)</b>			<b>Source: 2211073-01</b>			<b>Prepared: 2022-03-10 Analyzed: 2022-03-14</b>					
Nickel	1570	33.3	ug/L	1670	16.7	ND	94.0	70-130			
Selenium	1510	33.3	"	1670	16.7	108	84.4	70-130			CCBJ
Silver	1620	16.7	"	1670	8.33	ND	96.9	70-130			
Zinc	1640	83.3	"	1670	41.7	72.6	94.0	70-130			
Chromium	1570	83.3	"	1670	41.7	ND	94.1	70-130			

<b>Matrix Spike (2206730-MS2)</b>			<b>Source: 2211073-02</b>			<b>Prepared: 2022-03-10 Analyzed: 2022-03-14</b>					
Arsenic	48.2	0.500	ug/L	50.0	0.250	0.644	95.1	70-130			
Cadmium	47.0	1.00	"	50.0	0.500	ND	93.9	70-130			
Copper	47.7	1.00	"	50.0	0.500	7.29	80.9	70-130			
Lead	43.9	0.500	"	50.0	0.250	ND	87.8	70-130			
Nickel	49.4	1.00	"	50.0	0.500	7.38	84.0	70-130			
Selenium	47.2	1.00	"	50.0	0.500	1.18	92.1	70-130			CCBJ
Zinc	66.1	2.50	"	50.0	1.25	25.9	80.4	70-130			
Chromium	43.4	2.50	"	50.0	1.25	ND	86.7	70-130			

<b>Matrix Spike Dup (2206730-MSD1)</b>			<b>Source: 2211073-01</b>			<b>Prepared: 2022-03-10 Analyzed: 2022-03-14</b>					
Arsenic	1630	16.7	ug/L	1670	8.33	26.0	96.2	70-130	3.65	20	
Cadmium	1680	33.3	"	1670	16.7	ND	101	70-130	3.72	20	
Copper	1720	33.3	"	1670	16.7	86.7	97.9	70-130	1.99	20	
Lead	1720	16.7	"	1670	8.33	ND	103	70-130	3.27	20	
Nickel	1590	33.3	"	1670	16.7	ND	95.5	70-130	1.56	20	
Selenium	1630	33.3	"	1670	16.7	108	91.6	70-130	7.65	20	CCBJ
Silver	1670	16.7	"	1670	8.33	ND	99.9	70-130	3.05	20	
Zinc	1670	83.3	"	1670	41.7	72.6	96.1	70-130	2.15	20	
Chromium	1600	83.3	"	1670	41.7	ND	96.1	70-130	2.14	20	

<b>Matrix Spike Dup (2206730-MSD2)</b>			<b>Source: 2211073-02</b>			<b>Prepared: 2022-03-10 Analyzed: 2022-03-14</b>					
Arsenic	50.2	0.500	ug/L	50.0	0.250	0.644	99.2	70-130	4.16	20	
Cadmium	47.4	1.00	"	50.0	0.500	ND	94.8	70-130	0.928	20	
Copper	49.7	1.00	"	50.0	0.500	7.29	84.8	70-130	4.07	20	
Lead	45.3	0.500	"	50.0	0.250	ND	90.6	70-130	3.09	20	
Nickel	52.2	1.00	"	50.0	0.500	7.38	89.7	70-130	5.61	20	
Selenium	49.0	1.00	"	50.0	0.500	1.18	95.7	70-130	3.68	20	CCBJ
Zinc	68.9	2.50	"	50.0	1.25	25.9	86.0	70-130	4.16	20	
Chromium	44.9	2.50	"	50.0	1.25	ND	89.7	70-130	3.39	20	

**Total Mercury by EPA 245.1 - Quality Control**  
**North Texas Municipal Water District**

Analyte	Result	AQL	Units	Spike Level	MDL	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**ANALYTICAL REPORT FOR SAMPLES**

**Total Mercury by EPA 245.1 - Quality Control**  
**North Texas Municipal Water District**

Analyte	Result	AQL	Units	Spike Level	MDL	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2208010 - [245.1 Digestion]</b>											
<b>Blank (2208010-BLK1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	ND	0.100	ug/L		0.0500						
<b>LCS (2208010-BS1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.968	0.100	ug/L	1.00	0.0500		96.8	85-115			
<b>LCS Dup (2208010-BSD1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.974	0.100	ug/L	1.00	0.0500		97.4	85-115	0.682	20	
<b>MRL Check (2208010-MRL1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.0888	0.100	ug/L	0.100	0.0500		88.8	0-200			
<b>Matrix Spike (2208010-MS1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.937	0.100	ug/L	1.00	0.0500	ND	93.7	70-130			
<b>Matrix Spike (2208010-MS2)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.971	0.100	ug/L	1.00	0.0500	ND	97.1	70-130			
<b>Matrix Spike Dup (2208010-MSD1)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.943	0.100	ug/L	1.00	0.0500	ND	94.3	70-130	0.667	20	
<b>Matrix Spike Dup (2208010-MSD2)</b>											
						Prepared: 2022-03-21	Analyzed: 2022-03-22				
Mercury	0.974	0.100	ug/L	1.00	0.0500	ND	97.4	70-130	0.283	20	

## ANALYTICAL REPORT FOR SAMPLES

### General Notes and Definitions

DET	Analyte DETECTED
dry	Sample results reported on a dry weight basis
MDL	Method Detection Limit
MRL	Method Reporting Limit
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
SRL	Sample Reporting Limit
Note:	"Conductance at 25°C" is also known as Specific Conductance

### Report Notes and Definitions

CCBJ	CCB is $>1/2$ IMRL and $<IMRL$
CCVA	CCV acceptable at this range.
J	Estimated value. The analyte was positively identified but the quantitation is estimation. This estimated report value is between the MDL and MRL (PQL).

City of Mesquite  
 Contract: Claudio Garcia  
 Claudio Garcia  
 Work Order Number: 2211090  
 Project: Special Request  
 Reviewed By: EM

Comp. Sx. Bag/Fact. Date/Time  
 Sample Collector Name(s): Claudio Garcia

Date	Time	Type	Sx. Num	Sample Name	Metals	Other
3-8-22	10:55 AM	GYMB	1	2009 Hillcrest 1037	A	
3-8-22	11:24 AM	GYMB	2	2105 Hillcrest 114	A	

Relinquished by (Sampler): Claudio Garcia  
 Date: 3-8-22 Time: 12:34 PM  
 Received by: FANNY MCINTIRE  
 Date: [ ] Time: [ ]  
 Relinquished by: [ ] Date: [ ]  
 Received for Laboratory by: [ ] Date: [ ]  
 Remarks:

Legend: M=Mon, T=Tue, W=Wed, R=Thu, F=Fri, S=Sat, U=Sun, ALL=Sun through Sat, INT=Intact, LEG=Legible, AGR=Agree, COM=Complete, Obs.=Observed, Cor.=Corrected

C:36-293R.3L:070516