Water Utility Services, Inc.

21615 Rhodes Rd
Spring, Texas 77388
281-290-0704

Client: Inframark
2002 West Grand Pkwy North, Ste 100
Katy, TX 77449
Zachary Willeford

Test Report

PROJECT LOCATION: New Fairview MUD
COLLECTION DATE: 07/25/24
SAMPLE TYPE: Grab
COLLECTED BY: RD
SAMPLE MATRIX: Potable Water

PARAMETER	WP1 GST	WP2 GST	157 Oak Grove	144 Ridge Top	METHOD	ANALYST	DATE
pH, s.u.	8.46	8.55	8.48	8.51	EPA 150.1	RD	07/25/24
Total Chlorine, mg/L	2.41	2.60	2.12	1.98	Hach 8021	RD	07/25/24
Hardness, mg$CaCO_3$/L	98	78	74	68	Hach 8226	TC	07/25/24
Slime Forming Bacteria, cfu/ml**	negative	negative	negative	negative	BART	RD	07/25/24
Iron Related Bacteria, cfu/ml **	2200	500	500	500	BART	RD	07/25/24
Sulfate Reducing Bacteria, cfu/ml**	negative	negative	negative	negative	BART	RD	07/25/24

** Approximate concentration

Steve Grychka

Steve Grychka
Laboratory Director

ANALYTICAL REPORT

September 26, 2024

Water Utility Services Inc

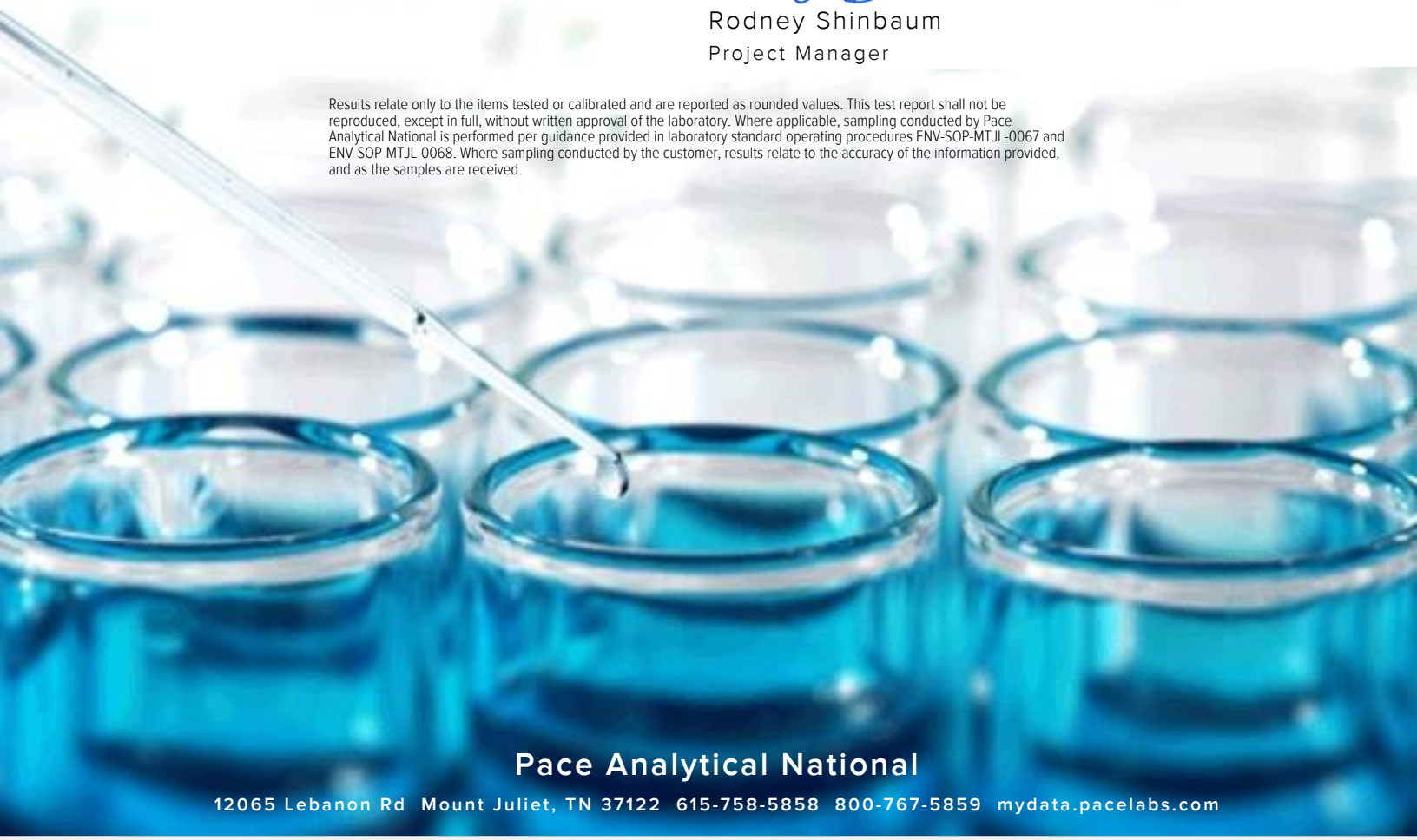
Sample Delivery Group:	L1761078
Samples Received:	07/27/2024
Project Number:	
Description:	New Fairview MUD 1

Report To:

Mr. Steve Grychka
PO Box 2628
Spring, TX 77383

Entire Report Reviewed By:

Rodney Shinbaum
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

WP1 GST L1761078-01 DW

Collected by: Ryan Deculus | Collected date/time: 07/25/24 10:30 | Received date/time: 07/27/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 200.7	WG2336422	1	08/07/24 11:52	08/07/24 13:24	DJS	Mt. Juliet, TN
Metals (ICPMS) by Method 200.8	WG2337086	1	08/12/24 15:02	08/13/24 17:21	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2332714	1	07/30/24 20:09	07/30/24 20:09	DWR	Mt. Juliet, TN

WP2 GST L1761078-02 DW

Collected by: Ryan Deculus | Collected date/time: 07/25/24 10:36 | Received date/time: 07/27/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 200.7	WG2357435	1	09/09/24 09:09	09/09/24 17:55	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 200.8	WG2348564	1	08/23/24 07:57	08/23/24 14:29	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2332714	1	07/30/24 20:33	07/30/24 20:33	DWR	Mt. Juliet, TN

157 OAK GROVE L1761078-03 DW

Collected by: Ryan Deculus | Collected date/time: 07/25/24 10:43 | Received date/time: 07/27/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 200.7	WG2357435	1	09/09/24 09:09	09/09/24 17:57	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 200.8	WG2348564	1	08/23/24 07:57	08/23/24 14:32	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2332714	1	07/30/24 20:56	07/30/24 20:56	DWR	Mt. Juliet, TN

144 RIDGE TOP L1761078-04 DW

Collected by: Ryan Deculus | Collected date/time: 07/25/24 10:51 | Received date/time: 07/27/24 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 200.7	WG2357435	1	09/09/24 09:13	09/09/24 17:31	ZSA	Mt. Juliet, TN
Metals (ICPMS) by Method 200.8	WG2348564	1	08/23/24 07:57	08/23/24 14:36	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 524.2	WG2332714	1	07/30/24 21:19	07/30/24 21:19	DWR	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Rodney Shinbaum
Project Manager

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Barium	0.189		0.00500	2	1	08/07/2024 13:24	WG2336422	DJS
Beryllium	ND		0.00200	0.0040	1	08/07/2024 13:24	WG2336422	DJS
Chromium	ND		0.0100	0.10	1	08/07/2024 13:24	WG2336422	DJS
Copper	ND		0.0100	1	1	08/07/2024 13:24	WG2336422	DJS
Iron	ND		0.0500	0.30	1	08/07/2024 13:24	WG2336422	DJS
Manganese	ND		0.0100	0.05	1	08/07/2024 13:24	WG2336422	DJS
Nickel	ND		0.0100	0.10	1	08/07/2024 13:24	WG2336422	DJS
Strontium	3.27		0.0100		1	08/07/2024 13:24	WG2336422	DJS
Zinc	ND		0.0500	5	1	08/07/2024 13:24	WG2336422	DJS

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Aluminum	ND		0.100	0.20	1	08/13/2024 17:21	WG2337086	JPD
Antimony	ND		0.00500	0.0060	1	08/13/2024 17:21	WG2337086	JPD
Arsenic	ND		0.00100	0.01	1	08/13/2024 17:21	WG2337086	JPD
Cadmium	ND		0.00100	0.0050	1	08/13/2024 17:21	WG2337086	JPD
Lead	ND		0.00200	0.0150	1	08/13/2024 17:21	WG2337086	JPD
Selenium	ND		0.00200	0.05	1	08/13/2024 17:21	WG2337086	JPD
Thallium	ND		0.00100	0.0020	1	08/13/2024 17:21	WG2337086	JPD

Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Chloroform	ND		0.00100		1	07/30/2024 20:09	WG2332714	DWR
Bromodichloromethane	ND		0.00100		1	07/30/2024 20:09	WG2332714	DWR
Chlorodibromomethane	ND		0.00100		1	07/30/2024 20:09	WG2332714	DWR
Bromoform	ND		0.00100		1	07/30/2024 20:09	WG2332714	DWR
Total Trihalomethanes	ND		0.00100	0.08	1	07/30/2024 20:09	WG2332714	DWR

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Barium	0.185		0.00500	2	1	09/09/2024 17:55	WG2357435	ZSA
Beryllium	ND		0.00200	0.0040	1	09/09/2024 17:55	WG2357435	ZSA
Chromium	ND		0.0100	0.10	1	09/09/2024 17:55	WG2357435	ZSA
Copper	ND		0.0100	1	1	09/09/2024 17:55	WG2357435	ZSA
Iron	0.128		0.0500	0.30	1	09/09/2024 17:55	WG2357435	ZSA
Manganese	0.0114		0.0100	0.05	1	09/09/2024 17:55	WG2357435	ZSA
Nickel	ND		0.0100	0.10	1	09/09/2024 17:55	WG2357435	ZSA
Strontium	2.60		0.0100		1	09/09/2024 17:55	WG2357435	ZSA
Zinc	ND		0.0500	5	1	09/09/2024 17:55	WG2357435	ZSA

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Aluminum	ND		0.100	0.20	1	08/23/2024 14:29	WG2348564	JPD
Antimony	ND		0.00500	0.0060	1	08/23/2024 14:29	WG2348564	JPD
Arsenic	ND		0.00100	0.01	1	08/23/2024 14:29	WG2348564	JPD
Cadmium	ND		0.00100	0.0050	1	08/23/2024 14:29	WG2348564	JPD
Lead	ND		0.00200	0.0150	1	08/23/2024 14:29	WG2348564	JPD
Selenium	ND		0.00200	0.05	1	08/23/2024 14:29	WG2348564	JPD
Thallium	ND		0.00100	0.0020	1	08/23/2024 14:29	WG2348564	JPD

Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Chloroform	ND		0.00100		1	07/30/2024 20:33	WG2332714	DWR
Bromodichloromethane	ND		0.00100		1	07/30/2024 20:33	WG2332714	DWR
Chlorodibromomethane	ND		0.00100		1	07/30/2024 20:33	WG2332714	DWR
Bromoform	ND		0.00100		1	07/30/2024 20:33	WG2332714	DWR
Total Trihalomethanes	ND		0.00100	0.08	1	07/30/2024 20:33	WG2332714	DWR

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Barium	0.188		0.00500	2	1	09/09/2024 17:57	WG2357435	ZSA
Beryllium	ND		0.00200	0.0040	1	09/09/2024 17:57	WG2357435	ZSA
Chromium	ND		0.0100	0.10	1	09/09/2024 17:57	WG2357435	ZSA
Copper	0.0158		0.0100	1	1	09/09/2024 17:57	WG2357435	ZSA
Iron	0.197		0.0500	0.30	1	09/09/2024 17:57	WG2357435	ZSA
Manganese	0.0119		0.0100	0.05	1	09/09/2024 17:57	WG2357435	ZSA
Nickel	ND		0.0100	0.10	1	09/09/2024 17:57	WG2357435	ZSA
Strontium	2.22		0.0100		1	09/09/2024 17:57	WG2357435	ZSA
Zinc	ND		0.0500	5	1	09/09/2024 17:57	WG2357435	ZSA

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Aluminum	ND		0.100	0.20	1	08/23/2024 14:32	WG2348564	JPD
Antimony	ND		0.00500	0.0060	1	08/23/2024 14:32	WG2348564	JPD
Arsenic	ND		0.00100	0.01	1	08/23/2024 14:32	WG2348564	JPD
Cadmium	ND		0.00100	0.0050	1	08/23/2024 14:32	WG2348564	JPD
Lead	ND		0.00200	0.0150	1	08/23/2024 14:32	WG2348564	JPD
Selenium	ND		0.00200	0.05	1	08/23/2024 14:32	WG2348564	JPD
Thallium	ND		0.00100	0.0020	1	08/23/2024 14:32	WG2348564	JPD

Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Chloroform	ND		0.00100		1	07/30/2024 20:56	WG2332714	DWR
Bromodichloromethane	ND		0.00100		1	07/30/2024 20:56	WG2332714	DWR
Chlorodibromomethane	ND		0.00100		1	07/30/2024 20:56	WG2332714	DWR
Bromoform	ND		0.00100		1	07/30/2024 20:56	WG2332714	DWR
Total Trihalomethanes	ND		0.00100	0.08	1	07/30/2024 20:56	WG2332714	DWR

Metals (ICP) by Method 200.7

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Barium	0.199		0.00500	2	1	09/09/2024 17:31	WG2357435	ZSA
Beryllium	ND		0.00200	0.0040	1	09/09/2024 17:31	WG2357435	ZSA
Chromium	ND		0.0100	0.10	1	09/09/2024 17:31	WG2357435	ZSA
Copper	ND		0.0100	1	1	09/09/2024 17:31	WG2357435	ZSA
Iron	0.165		0.0500	0.30	1	09/09/2024 17:31	WG2357435	ZSA
Manganese	0.0116		0.0100	0.05	1	09/09/2024 17:31	WG2357435	ZSA
Nickel	ND		0.0100	0.10	1	09/09/2024 17:31	WG2357435	ZSA
Strontium	2.29		0.0100		1	09/09/2024 17:31	WG2357435	ZSA
Zinc	ND		0.0500	5	1	09/09/2024 17:31	WG2357435	ZSA

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Aluminum	ND		0.100	0.20	1	08/23/2024 14:36	WG2348564	JPD
Antimony	ND		0.00500	0.0060	1	08/23/2024 14:36	WG2348564	JPD
Arsenic	ND		0.00100	0.01	1	08/23/2024 14:36	WG2348564	JPD
Cadmium	ND		0.00100	0.0050	1	08/23/2024 14:36	WG2348564	JPD
Lead	ND		0.00200	0.0150	1	08/23/2024 14:36	WG2348564	JPD
Selenium	ND		0.00200	0.05	1	08/23/2024 14:36	WG2348564	JPD
Thallium	ND		0.00100	0.0020	1	08/23/2024 14:36	WG2348564	JPD

Volatile Organic Compounds (GC/MS) by Method 524.2

Analyte	Result	Qualifier	Det. Limit	Reference Limit	Dilution	Analysis	Batch	Analyst
	mg/l		mg/l	mg/l		date / time		
Chloroform	ND		0.00100		1	07/30/2024 21:19	WG2332714	DWR
Bromodichloromethane	ND		0.00100		1	07/30/2024 21:19	WG2332714	DWR
Chlorodibromomethane	ND		0.00100		1	07/30/2024 21:19	WG2332714	DWR
Bromoform	ND		0.00100		1	07/30/2024 21:19	WG2332714	DWR
Total Trihalomethanes	ND		0.00100	0.08	1	07/30/2024 21:19	WG2332714	DWR

Method Blank (MB)

(MB) R4103830-1 08/07/24 13:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium	U		0.000795	0.00500
Beryllium	U		0.000401	0.00200
Chromium	U		0.00163	0.0100
Copper	U		0.00226	0.0100
Iron	U		0.0205	0.0500
Manganese	U		0.000855	0.0100
Nickel	U		0.00182	0.0100
Strontium	U		0.000683	0.0100
Zinc	U		0.00578	0.0500

Laboratory Control Sample (LCS)

(LCS) R4103830-2 08/07/24 13:22

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	1.00	1.02	102	85.0-115	
Beryllium	1.00	1.03	103	85.0-115	
Chromium	1.00	1.02	102	85.0-115	
Copper	1.00	1.02	102	85.0-115	
Iron	10.0	10.1	101	85.0-115	
Manganese	1.00	1.01	101	85.0-115	
Nickel	1.00	0.986	98.6	85.0-115	
Strontium	1.00	1.04	104	85.0-115	
Zinc	1.00	1.01	101	85.0-115	

L1761078-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1761078-01 08/07/24 13:24 • (MS) R4103830-3 08/07/24 13:26 • (MSD) R4103830-4 08/07/24 13:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1.00	0.189	1.12	1.12	93.5	93.4	1	75.0-125			0.0957	20
Beryllium	1.00	ND	0.980	0.983	98.0	98.3	1	75.0-125			0.329	20
Chromium	1.00	ND	0.909	0.925	90.9	92.5	1	75.0-125			1.75	20
Copper	1.00	ND	0.929	0.931	92.9	93.1	1	75.0-125			0.221	20
Iron	10.0	ND	9.51	9.56	94.7	95.2	1	75.0-125			0.523	20
Manganese	1.00	ND	0.910	0.923	90.2	91.5	1	75.0-125			1.44	20
Nickel	1.00	ND	0.971	0.962	97.1	96.2	1	75.0-125			0.998	20
Strontium	1.00	3.27	4.36	4.39	109	111	1	75.0-125			0.476	20
Zinc	1.00	ND	0.950	0.964	92.6	94.0	1	75.0-125			1.46	20

Method Blank (MB)

(MB) R4117433-1 09/09/24 17:41

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Barium	U		0.000795	0.00500
Beryllium	U		0.000401	0.00200
Chromium	U		0.00163	0.0100
Copper	U		0.00226	0.0100
Iron	U		0.0205	0.0500
Manganese	U		0.000855	0.0100
Nickel	U		0.00182	0.0100
Strontium	U		0.000683	0.0100
Zinc	U		0.00578	0.0500

Laboratory Control Sample (LCS)

(LCS) R4117433-3 09/09/24 17:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	1.00	0.984	98.4	85.0-115	
Beryllium	1.00	0.977	97.7	85.0-115	
Chromium	1.00	0.991	99.1	85.0-115	
Copper	1.00	1.01	101	85.0-115	
Iron	10.0	10.4	104	85.0-115	
Manganese	1.00	0.992	99.2	85.0-115	
Nickel	1.00	0.994	99.4	85.0-115	
Strontium	1.00	0.972	97.2	85.0-115	
Zinc	1.00	0.988	98.8	85.0-115	

L1762199-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1762199-01 09/09/24 17:47 • (MS) R4117433-5 09/09/24 17:50 • (MSD) R4117433-6 09/09/24 17:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	1.00	0.0402	1.04	1.06	99.5	102	1	75.0-125			2.00	20
Beryllium	1.00	ND	0.996	1.01	99.6	101	1	75.0-125			1.65	20
Chromium	1.00	ND	1.01	1.03	101	103	1	75.0-125			2.01	20
Copper	1.00	ND	1.03	1.04	103	104	1	75.0-125			1.77	20
Iron	10.0	2.52	12.8	12.9	103	104	1	75.0-125			0.918	20
Manganese	1.00	0.485	1.48	1.53	99.9	104	1	75.0-125			2.83	20
Nickel	1.00	ND	1.02	1.04	101	103	1	75.0-125			2.02	20
Strontium	1.00	0.0645	1.05	1.07	98.8	101	1	75.0-125			1.83	20
Zinc	1.00	ND	1.00	1.03	99.4	102	1	75.0-125			2.44	20

Method Blank (MB)

(MB) R4106307-1 08/13/24 16:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	U		0.0470	0.100
Antimony	U		0.00172	0.00500
Arsenic	U		0.000195	0.00100
Cadmium	U		0.000160	0.00100
Lead	U		0.000513	0.00200
Selenium	U		0.000437	0.00200
Thallium	U		0.000176	0.00100

Laboratory Control Sample (LCS)

(LCS) R4106307-2 08/13/24 17:01

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1.00	1.04	104	85.0-115	
Antimony	0.0500	0.0493	98.5	85.0-115	
Arsenic	0.0500	0.0511	102	85.0-115	
Cadmium	0.0500	0.0515	103	85.0-115	
Lead	0.0500	0.0437	87.3	85.0-115	
Selenium	0.0500	0.0496	99.3	85.0-115	
Thallium	0.0500	0.0484	96.7	85.0-115	

L1761062-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1761062-01 08/13/24 17:05 • (MS) R4106307-3 08/13/24 17:08 • (MSD) R4106307-4 08/13/24 17:11

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1.00	ND	0.981	0.940	98.1	94.0	1	70.0-130			4.30	20
Antimony	0.0500	ND	0.0510	0.0495	102	99.1	1	70.0-130			2.79	20
Arsenic	0.0500	0.00211	0.0516	0.0537	98.9	103	1	70.0-130			4.07	20
Cadmium	0.0500	ND	0.0489	0.0486	97.7	97.2	1	70.0-130			0.536	20
Lead	0.0500	ND	0.0449	0.0457	89.8	91.5	1	70.0-130			1.91	20
Selenium	0.0500	ND	0.0502	0.0507	100	101	1	70.0-130			0.997	20
Thallium	0.0500	ND	0.0450	0.0485	90.0	96.9	1	70.0-130			7.39	20

Method Blank (MB)

(MB) R4110829-1 08/23/24 14:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Aluminum	U		0.0470	0.100
Antimony	U		0.00172	0.00500
Arsenic	U		0.000195	0.00100
Cadmium	U		0.000160	0.00100
Lead	U		0.000513	0.00200
Selenium	U		0.000437	0.00200
Thallium	U		0.000176	0.00100

Laboratory Control Sample (LCS)

(LCS) R4110829-3 08/23/24 14:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1.00	1.03	103	85.0-115	
Antimony	0.0500	0.0537	107	85.0-115	
Arsenic	0.0500	0.0523	105	85.0-115	
Cadmium	0.0500	0.0524	105	85.0-115	
Lead	0.0500	0.0491	98.2	85.0-115	
Selenium	0.0500	0.0497	99.5	85.0-115	
Thallium	0.0500	0.0495	99.0	85.0-115	

L1762277-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1762277-03 08/23/24 14:20 • (MS) R4110829-4 08/23/24 14:23 • (MSD) R4110829-5 08/23/24 14:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1.00	ND	1.05	1.05	105	105	1	70.0-130			0.717	20
Antimony	0.0500	ND	0.0557	0.0549	111	110	1	70.0-130			1.46	20
Arsenic	0.0500	0.00534	0.0579	0.0568	105	103	1	70.0-130			2.02	20
Cadmium	0.0500	0.00112	0.0531	0.0537	104	105	1	70.0-130			1.24	20
Lead	0.0500	0.0310	0.0804	0.0803	98.7	98.7	1	70.0-130			0.0260	20
Selenium	0.0500	ND	0.0512	0.0509	101	100	1	70.0-130			0.588	20
Thallium	0.0500	ND	0.0499	0.0496	99.7	99.2	1	70.0-130			0.556	20

Method Blank (MB)

(MB) R4100900-2 07/30/24 16:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloroform	U		0.0000800	0.00100
Bromodichloromethane	U		0.0000810	0.00100
Chlorodibromomethane	U		0.0000930	0.00100
Bromoform	U		0.0000800	0.00100
Total Trihalomethanes	U		0.000334	0.00100

Laboratory Control Sample (LCS)

(LCS) R4100900-1 07/30/24 15:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroform	0.00500	0.00492	98.4	70.0-130	
Bromodichloromethane	0.00500	0.00473	94.6	70.0-130	
Chlorodibromomethane	0.00500	0.00567	113	70.0-130	
Bromoform	0.00500	0.00559	112	70.0-130	
Total Trihalomethanes	0.0200	0.0209	105	70.0-130	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Water Utility Services, Inc

21615 Rhodes Rd.
Spring, TX 77388

Billing Information:

Water Utility Services
P.O. Box 2628
Spring, TX 77383

Report to: Steve Grychka

Email To: steve@waterutilityservice.com

Project Description: New Fairview MUD 1

City/State Collected: TX

Phone: 281-290-0704
Fax:

Client Project #

Lab Project #

Collected by (print): Ryan Deculus

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TTHMs	As, Cd, Cr, Cu, Ni, Pb, Zn, Fe, Mn	Sb, Ba, Be, Se, Tl, Sr, Al							Remarks	Sample # (lab only)
WP1 GST	G	DW		7-25-24	1030	4/3	✓	✓	✓								-01
WP2 GST	G	DW		"	1036	4/3	✓	✓	✓								-02
157 Oak Grove	G	DW		"	1043	4/3	✓	✓	✓								-03
144 Ridge top	G	DW		"	1057	4/3	✓	✓	✓								-04

07-20-24 JE

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1761078
B028

Acctnum: WATERSTX01
Template:
Prelogin:
TSR: Rodney Shinbaum
PB:
Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	7.26.24	1310		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.3,0.3,2.6 °C Bottles Received: 16
	7.26.24	80		EDA9
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 07.27.24 Time: 0800

PH-10BDH0941
TRC-3223A228
: Date/Time

Hold:

Condition: NCF / OK