

Service Request No:R1610137

Mr. Jim Nugent Monroe County Water Authority Shorement Water Treatment Plant P.O. Box 12697 Rochester, NY 14612-0697

Laboratory Results for: WCSD-State Road

Dear Mr. Nugent,

Enclosed are the results of the sample(s) submitted to our laboratory September 23, 2016 For your reference, these analyses have been assigned our service request number **R1610137**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Lisa.Reyes@alsglobal.com.

Respectfully submitted,

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ALS Group USA, Corp. dba ALS Environmental

Lisa Reyes

Project Manager



Narrative Documents

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



Client: Monroe County Water Authority

Project: WCSD-State Road Sample Matrix: Drinking Water

Service Request:R1610137 Date Received: 9/23/16

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Sixty four drinking water samples were received for analysis at ALS Environmental on 9/23/16. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Metals Analyses:

No significant anomalies were noted with this analysis.

Approved by Date 10/24/2016



CLIENT ID: MCWA#ST-Kitchen-N-F	Lab ID: R1610	137-001			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	5.1	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Kitchen-S-F	Lab ID: R1610	137-002			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	2.8	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Kitchen-P-F	Lab ID: R1610	137-003			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	3.1	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Cafe-P-F	Lab ID: R1610	137-004			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	1.4	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Nurse-P-F	Lab ID: R1610	137-005			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	2.3	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-M.OF	Lab ID: R1610	137-006			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	18.9	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Boys Locker-DF	Lab ID: R1610	137-007			
Analyte		ag MDL	PQL	Units	Method
Lead, Total	2.1	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Girls Locker-DF	Lab ID: R1610	137-008			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	1.6	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Lib-F	Lab ID: R1610	137-009			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	70.3	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Art-N-L-F	Lab ID: R1610	137-010			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	4.5	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Art-N-R-F	Lab ID: R1610	137-011			
Analyte	Results FI	ag MDL	PQL	Units	Method
Lead, Total	6.0	0.10	1.0	ug/L	200.8
CLIENT ID: MCWA#ST-Art-S-F	Lab ID: R1610	137-012			
Analyte		ag MDL	PQL	Units	Method
Lead, Total	3.9	0.10	1.0	ug/L	200.8



CLIENT ID: MCWA#ST-101-East-F	Lab ID: R1610137-013										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	5.7 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-101-West-F	Lab ID: R1610137-014										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	7.9 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-101-DF	Lab ID: R1610137-015										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	2.7 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-102-West-F	Lab ID: R1610137-016										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	13.7 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-102-East-F	Lab ID: R1610137-017										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	59.4 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-103-F	Lab ID: R1610137-018										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	30.4 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-103-DF	Lab ID: R1610137-019										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	7.2 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-104-F	Lab ID: R1610137-020										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	5.9 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-104-DF	Lab ID: R1610137-021										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	10.8 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-105-F	Lab ID: R1610137-022										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	5.2 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-105-DF	Lab ID: R1610137-023										
Analyte	Results Flag MDL F	PQL Units Method									
Lead, Total	3.5 0.10	1.0 ug/L 200.8									
CLIENT ID: MCWA#ST-106-F	Lab ID: R1610137-024										
Analyte		PQL Units Method									
Lead, Total	10.6 0.10	1.0 ug/L 200.8									



CLIENT ID: MCWA#ST-106-DF	Lab ID: R1610137-025	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	4.6 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-107-F	Lab ID: R1610137-026	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	16.4 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-107-DF	Lab ID: R1610137-027	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	3.5 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-108-8	Lab ID: R1610137-028	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	62.1 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-108-DF	Lab ID: R1610137-029	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	9.9 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-109-F	Lab ID: R1610137-030	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	9.2 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-109-DF	Lab ID: R1610137-031	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	11.5 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-111-F	Lab ID: R1610137-032	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	14.9 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-111-DF	Lab ID: R1610137-033	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	3.6 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-112-F	Lab ID: R1610137-034	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	31.3 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-114-F	Lab ID: R1610137-035	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	3.5 0.10 1.0	ug/L 200.8
CLIENT ID: MCWA#ST-115-F	Lab ID: R1610137-036	
Analyte	Results Flag MDL PQL	Units Method
Lead, Total	10.7 0.10 1.0	ug/L 200.8



CLIENT ID: MCWA#ST-118-DF	Lab ID: R1610137-037										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	3.3 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-118-F	Lab ID: R1610137-038										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	7.5 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-120-DF	Lab ID: R1610137-039										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	2.6 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-120-F	Lab ID: R1610137-040										
Analyte	Results Flag MDL PQL Units	Method									
Lead, Total	5.1 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-121-DF	Lab ID: R1610137-041										
Analyte	Results Flag MDL PQL Units	Method									
Lead, Total	7.0 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-121-F	Lab ID: R1610137-042										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	5.7 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-122-DF	Lab ID: R1610137-043										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	2.5 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-122-F	Lab ID: R1610137-044										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	6.7 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-123-F	Lab ID: R1610137-045										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	8.2 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-201-DF	Lab ID: R1610137-046										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	4.2 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-201-F	Lab ID: R1610137-047										
Analyte	Results Flag MDL PQL Units I	Method									
Lead, Total	9.5 0.10 1.0 ug/L	200.8									
CLIENT ID: MCWA#ST-202-DF	Lab ID: R1610137-048										
Analyte		Method									
Lead, Total	4.9 0.10 1.0 ug/L	200.8									



CLIENT ID: MCWA#ST-202-F	Lab ID: R1610137-049
Analyte	Results Flag MDL PQL Units Metho
Lead, Total	11.0 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-210-F	Lab ID: R1610137-050
Analyte	Results Flag MDL PQL Units Metho
Lead, Total	25.3 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-204-F	Lab ID: R1610137-051
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	11.9 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-204-DF	Lab ID: R1610137-052
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	3.3 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-205-F	Lab ID: R1610137-053
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	5.7 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-205-DF	Lab ID: R1610137-054
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	7.6 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-206-F	Lab ID: R1610137-055
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	29.0 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-206-DF	Lab ID: R1610137-056
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	5.4 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-207-F	Lab ID: R1610137-057
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	5.7 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-207-DF	Lab ID: R1610137-058
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	7.4 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-208-F	Lab ID: R1610137-059
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	12.6 0.10 1.0 ug/L 200.
CLIENT ID: MCWA#ST-208-DF	Lab ID: R1610137-060
Analyte	Results Flag MDL PQL Units Meth
Lead, Total	5.3 0.10 1.0 ug/L 200.



CLIENT ID: MCWA#ST-209-DF	1610137-061									
Analyte	Results	Flag	MDL	PQL	Units	Method				
Lead, Total	12.8		0.10	1.0	ug/L	200.8				
CLIENT ID: MCWA#ST-209-F	Lab ID: R1610137-062									
Analyte	Results	Flag	MDL	PQL	Units	Method				
Lead, Total	7.2		0.10	1.0	ug/L	200.8				
CLIENT ID: MCWA#ST-214-DF	Lab ID: R1	610137-	063							
Analyte	Results	Flag	MDL	PQL	Units	Method				
Lead, Total	14.9		0.10	1.0	ug/L	200.8				
CLIENT ID: MCWA#ST-214-F	Lab ID: R1	610137-	064							
Analyte	Results	Flag	MDL	PQL	Units	Method				
Lead, Total	23.9		0.10	1.0	ug/L	200.8				



Sample Receipt Information

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com Monroe County Water Authority

Project: WCSD-State Road

Client:

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u>	<u>TIME</u>
R1610137-001	MCWA#ST-Kitchen-N-F	9/21/2016	
R1610137-002	MCWA#ST-Kitchen-S-F	9/21/2016	
R1610137-003	MCWA#ST-Kitchen-P-F	9/21/2016	
R1610137-004	MCWA#ST-Cafe-P-F	9/21/2016	
R1610137-005	MCWA#ST-Nurse-P-F	9/21/2016	
R1610137-006	MCWA#ST-M.OF	9/21/2016	
R1610137-007	MCWA#ST-Boys Locker-DF	9/21/2016	
R1610137-008	MCWA#ST-Girls Locker-DF	9/21/2016	
R1610137-009	MCWA#ST-Lib-F	9/21/2016	
R1610137-010	MCWA#ST-Art-N-L-F	9/21/2016	
R1610137-011	MCWA#ST-Art-N-R-F	9/21/2016	
R1610137-012	MCWA#ST-Art-S-F	9/21/2016	
R1610137-013	MCWA#ST-101-East-F	9/21/2016	
R1610137-014	MCWA#ST-101-West-F	9/21/2016	
R1610137-015	MCWA#ST-101-DF	9/21/2016	
R1610137-016	MCWA#ST-102-West-F	9/21/2016	
R1610137-017	MCWA#ST-102-East-F	9/21/2016	
R1610137-018	MCWA#ST-103-F	9/21/2016	
R1610137-019	MCWA#ST-103-DF	9/21/2016	
R1610137-020	MCWA#ST-104-F	9/21/2016	
R1610137-021	MCWA#ST-104-DF	9/21/2016	
R1610137-022	MCWA#ST-105-F	9/21/2016	
R1610137-023	MCWA#ST-105-DF	9/21/2016	
R1610137-024	MCWA#ST-106-F	9/21/2016	
R1610137-025	MCWA#ST-106-DF	9/21/2016	
R1610137-026	MCWA#ST-107-F	9/21/2016	
R1610137-027	MCWA#ST-107-DF	9/21/2016	
R1610137-028	MCWA#ST-108-8	9/21/2016	
R1610137-029	MCWA#ST-108-DF	9/21/2016	
R1610137-030	MCWA#ST-109-F	9/21/2016	
R1610137-031	MCWA#ST-109-DF	9/21/2016	
R1610137-032	MCWA#ST-111-F	9/21/2016	
R1610137-033	MCWA#ST-111-DF	9/21/2016	
R1610137-034	MCWA#ST-112-F	9/21/2016	
R1610137-035	MCWA#ST-114-F	9/21/2016	
R1610137-036	MCWA#ST-115-F	9/21/2016	
R1610137-037	MCWA#ST-118-DF	9/21/2016	
R1610137-038	MCWA#ST-118-F	9/21/2016	
R1610137-039	MCWA#ST-120-DF	9/21/2016	
R1610137-040	MCWA#ST-120-F	9/21/2016	
R1610137-041	MCWA#ST-121-DF	9/21/2016	
R1610137-042	MCWA#ST-121-F	9/21/2016	

Monroe County Water Authority Service Request:R1610137

Project: WCSD-State Road

Client:

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	<u>DATE</u> <u>TIME</u>
R1610137-043	MCWA#ST-122-DF	9/21/2016
R1610137-044	MCWA#ST-122-F	9/21/2016
R1610137-045	MCWA#ST-123-F	9/21/2016
R1610137-046	MCWA#ST-201-DF	9/21/2016
R1610137-047	MCWA#ST-201-F	9/21/2016
R1610137-048	MCWA#ST-202-DF	9/21/2016
R1610137-049	MCWA#ST-202-F	9/21/2016
R1610137-050	MCWA#ST-210-F	9/21/2016
R1610137-051	MCWA#ST-204-F	9/21/2016
R1610137-052	MCWA#ST-204-DF	9/21/2016
R1610137-053	MCWA#ST-205-F	9/21/2016
R1610137-054	MCWA#ST-205-DF	9/21/2016
R1610137-055	MCWA#ST-206-F	9/21/2016
R1610137-056	MCWA#ST-206-DF	9/21/2016
R1610137-057	MCWA#ST-207-F	9/21/2016
R1610137-058	MCWA#ST-207-DF	9/21/2016
R1610137-059	MCWA#ST-208-F	9/21/2016
R1610137-060	MCWA#ST-208-DF	9/21/2016
R1610137-061	MCWA#ST-209-DF	9/21/2016
R1610137-062	MCWA#ST-209-F	9/21/2016
R1610137-063	MCWA#ST-214-DF	9/21/2016
R1610137-064	MCWA#ST-214-F	9/21/2016



CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT

COC #:		
ALS Quote #:	38416	of

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Client Name: Monroe County Water Author	rity			Container		SAWIPL	ER. INS	STRUCT!	IONS ON	THE BA	ACK.					3 π. 30+10		
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Rochester, NY 14612-0697				Size eservative	-	 	 	+		 	4				Coole	er Temp: Therm I	ID:	
Contact: James Nugent			+		None	<u></u>	1	1		<u></u>	<u></u>					Coolers:	Y N	lnitial
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Date Required:	Approved?			'	1 '	1 1			'							Correct € ontainers?	٦L	
Email? X -Y jim.nugent@mcwa	com			'	'	1	1		!							Correct Sample Volumes?		
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Sample Description/Location	Sample	ı	9 6	**Matrix	1	1	1 '	1	1 1	1 '						Headspace/Volatiles?		
(as it will appear on the lab report)	Date	Time	ပ္	_		E,	nter Numi	ber of Con	ntainers Per	r Sample (or Field R	ocults Re	<u></u>	<u></u>	Courier/	Tracking #:		<u> </u>
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		REVIEWED BY	Y(sign/	ature):					T			y	Data Deliverables	CLP-		1		Samples
Relinquished By / Company Name	<u> </u>	Date	Tim	ne	//	Receive	ed Bv / C	ompany N	Name		- Tarks	4	Data verab	USAC		USACE	≓1	lected in
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CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS
ALLSHADED AREAS MUST BELCOMPLETED BY

COC #:		T
ALS Quote #:	38416	of

Environmental						CAME	IVENO IVI	יסו פבו	COMPLE	HED BY	THE C	LIENT	٠.	ALS	Quote	0 #1 20/	140		1 0
Client Name: Monroe County Water Auth	ority		T	Container	A CALLED	SAMP	LER. IN	STRUCT	ONS ON	THE B	AĆK,	se ande	is 26	[ALS	Guote	e#: 384	16		<u></u>
Address: Po Box 12697			+	Type Container	250 ml	 	 			ļ	<u> </u>				Rece	elpt Information	(completed	by Rece	iving Lat
Rochester, NY 14612-0697				Size reservative	 		 	 	ļ							er Temp:			
Contact: James Nugent			+		попе	L	<u> </u>				<u> </u>					Coolers:		Y N	Initial
Phone#: 585-442-2000 Ext 531			+	T-	Т	<u> </u>	T AN	ALYSES/	METHOD	REQUES	TED				1	Custody Seals		7 🗂]
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Date Required:	Approve	d?					1] .						j		. Correct €or	ntainers?	1	
Email? X-Y jim.nugent@mcwa	.com															Correct Sample V	olumes?	117	
Fax?Y No.:	·	-],,								ĺ					Correct Prese	rvation?	1	
Sample Description/Location	Sample	e	75								}				1	Headspace/V	olatiles?	117	
(as it will appear on the lab report)	Date	Time	ဗု	Σ		E	nter Numb	er of Cont	ainers Per	Sample o	r Field F	Populte D			Courier/	Tracking #:	<u> </u>		
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MCWA#_ST-161-DF		1	G	DW	Pb							+	┪	 				<u>'</u>	•11
MCWA# <u>57-</u> 102-West-F			G	DW	Pb							┼							<i>e</i> 16
MCWA#ST-102-East F			_	DW								ļ							e 15
1CWA# <u>\$T-103</u> -F			_	DW	Pb							<u> </u>							.10
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1CWA# <u>ST-104-</u> F	- }		+	DW	Pb									16	ALS	S Field Services	:Picku	pLa	hor
roject Comments:				DW	Pb									11	Con Oth	mposite Samplii	ngRenf	al Equip	ment
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1		REVIEWED E	BY(sign	nature):			- Extraordinates		g.	-14-17-1-10-1-11	-	w	ges			Special Pro			Samples
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CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / COC #: of ALS Quote #

Client Name: Monroe County Water Author	nritv	·····	C	ontainer	أما لعطو	SAMPL	ER. INS	TRUCT	IONS ON	THE BA	CK.	uci (vi-lui	i de	[ALS	Guote	:#: 384	116		
Address: Po Box 12697	<i></i>			Type	 	ļ	<u> </u>	<u> </u>	<u> </u>						Recei	pt Information	(completed	by Rec	eiving Lahi
Rochester, NY 14612-0697			-	Size	250 ml														orong cub,
Contact: James Nugent			Pro	eservative	none	<u> </u>								1		Coolers:	Therm ID		1.144.4
Phone#: 585-442-2000 Ext 531	·		4			·	AN	ALYSES/	METHOD	REQUES	TED			<u> </u>	- "0.010	Custody Seals	E Processo T	<u> </u>	Initial
Project Name/#: WCSD-Stale	Road	, 	4	1								T	T	T	1	(if present) Se	Ł	┨┝	+
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Date Required:	Approved	-						İ				1	1			Correct €o	· —	┨┞╌	
Email? X-Y jim.nugent@mcwa.	.com							ļ ·				ļ				Correct Sample \		11-	
Fax? No.:			1									1				Correct Pres	<u> </u>	┨├─	
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(as it will appear on the lab report)	Date	Time	ပ္ခ်	**Matrix			nter Numb	or of Con	lala ana Da	<u> </u>		<u> </u>			Courler/1	racking #:		<u>ا</u> ا	<u> </u>
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MCWA#_ST-106 - F			<u> </u>	DW								 	<u> </u>						\$ j ?
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roject Comments:		LOGGED BY(s			Pb								1	.16	Othe	er:	gKent	aı Equ	ipment
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Relinquished By / Company Name		Date	Tin	ne	//	Receive	ed By / Co	ompany i	Vame		Date	Time	Data Iverat	USAC). E		Navy	X	
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Lat Day)	\$	1/28/16		6			-X	<u> </u>					Yes	7		Sample L	risposai		PA
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				10)			······································		-+			EDDS: 1	Monro WCSD	e County W -State Roa	Vater Authority d			
* G≃Grab; (C=Composite		ix - A	\l=Air; (D\V≃Drinki	ng Water;	GW=Gro	undwater:	Ol=Oil; OL	=Other Lin	uid: SI =	Sludge: S							. 1
		ALS ENVI	RON	MEN.	TAL SHIF	PING A	DDRESS	: 34 DO	GWOOD	LANE, N	IDDLE	TOWN.	PA 17057	1 18416	.IR 181 1181 1		41 11111 1 6 - 1	(88) 	



CHAIN OF CUSTODY/

COC #: REQUEST FOR ANALYSIS ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER, INSTRUCTIONS ON THE BACK. of Environmental ALS Quote #: 38416 Client Name: Monroe County Water Authority Containe Type Address: Po Box 12697 Receipt Information (completed by Receiving Lab) Containe 250 ml Size Rochester, NY 14612-0697 Cooler Temp: Therm ID: Preservative none Contact: James Nugent No. of Coolers: N Initial ANALYSES/METHOD REQUESTED Phone#: 585-442-2000 Ext 531 **Custody Seals Present?** Project Name/#: WCSD-State Rd. (if present) Seals Intact? Bill To: MCWA Received on Ice? X Normal-Standard TAT is 10-12 business days. COC/Labels Complete/Accurate? Rush-Subject to ALS approval and surcharges. Cont. in Good Cond.? Date Required: Correct €ontainers? Approved? Email? X-Y jim.nuqent@mcwa.com Correct Sample Volumes? Fax? Y No.: Correct Preservation? **Matrix Sample Description/Location Sample Headspace/Volatiles? ö (as it will appear on the lab report) ڨ Courier/Tracking #: Date Time Enter Number of Containers Per Sample or Field Results Below. MCWA#_5T-109-D,F 9/21/1 Sample/COC Comments G DW Pb MCWA# ST-111 - F G DW Pb MCWA# ST-111 - DF G DW Pb MCWA# 5 +112 -F G DW Pb MCWA# ST-114-F G DW , 16 Pb MCWA# ST-115-F 112 G DW Pb MCWA# ST-118 - DF G DW Pb MCWA#_57-118_F DW G Pb MCWA# ST-120 DF .00 G DW Pb ALS Field Services: __Pickup __Labor MCWA# 59-120 -F G DW __Composite Sampling __Rental Equipment **Project Comments:** __Other: LOGGED BY(signature): Standard Special Processing Data Deliverables State Samples REVIEWED BY(signature): CLP-like USACE Collected In Relinquished By / Company Name Date Time Received By / Company Name USACE Date Time Navy X NY 9/23 1:25 NJ Man 2110 9/23 1410 Reportable to PADEP? Sample Disposal PA 9/28/16 R1610137
Monroe County Water Authority NC 10 G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=S.

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057 16 of 109



CHAIN OF CUSTODY/

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Environmental				. /	ALL SH	AUEU AF	REAS MU	JST RE	COMPLE	TEND	V TUE A	LIENT./		ALS	Quote	#: 38416		of
Client Name: Monroe County Water Auth	ority		7	Container	1.00	SAMPL	ER, INS	SURVET	IONS ON	HIE	ACK.	فعالمنا أند	.).	1	adote	5#. 30416		<u> </u>
Address: Po Box 12697		····	٦,	Type Container	250 ml	 		 -	 	 					Recei	pt Information (completed	by Rece	lving Lal
Rochester, NY 14612-0697			-	Size eservative	 		ļ	 							Cooler	Temp: Therm	n.	
Contact: James Nugent		****	-	eservauve	none			<u></u>	<u> </u>	<u> </u>							y N	Initia
Phone#: 585-442-2000 Ext 531		· · · · · · · · · · · · · · · · · · ·		T-		т	T AN	ALYSES	METHOD	REQUE	STED					Custody Seals Present?	<u> </u>]
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rnall? X-Y jim.nugent@mcwa	a.com	_							}	·		1	1			Correct Sample Volumes?	717	
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Sample Description/Location	Sampl	e	ᄏ╏	**Matrix				l ·								Headspace/Volatiles?	111	
(as it will appear on the lab report)	Date	Time	ပ္	ξ		E	nter Numb	er of Con	lainers Per	Sample	or Field F	Populto De		<u>L</u>	Courier/1	racking #:		
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CWA# ST-202 F		 	_	DW							<u> </u>	ļ						.14
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Relinquished By / Company Nam	ne	Date	Ti	me	//	Receive	ed By / Co	ompany l	Vame	-	Date	Time	Data Deliverable	USAC		<u> </u>		
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ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057





CHAIN OF CUSTODY/

COC #: REQUEST FOR ANALYSIS
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK. of Environmenta! ALS Quote #: 38416 Client Name: Monroe County Water Authority Container Type Receipt Information (completed by Receiving Lab) Address: Po Box 12697 Containe 250 ml Size Rochester, NY 14612-0697 Cooler Temp: _____ Therm ID: none Contact: James Nugent No. of Coolers: Initial N ANALYSES/METHOD REQUESTED Phone#: 585-442-2000 Ext 531 **Custody Seals Present?** Project Name/#: 101(5) (if present) Seals Intact? BIII To: MCWA Received on Ice? X Normal-Standard TAT is 10-12 business days. COC/Labels Complete/Accurate? TAT Rush-Subject to ALS approval and surcharges. Cont. In Good Cond.? Date Required: Correct €ontainers? Approved? Email? X-Y jim.nugent@mcwa.com Correct Sample Volumes? Fax? -Y No.: Correct Preservation? **Matrix Sample Description/Location Sample ŏ Headspace/Volatiles? (as it will appear on the lab report) ā Date Courler/Tracking #: Time Enter Number of Containers Per Sample or Field Results Below. MCWA# ST. ZOY-F Sample/COC Comments 9/21/16 G DW Pb MCWA#__ST-204-DF G DW Pb MCWA#_ST-205-F G DW Рb MCWA#_ST-205-DF G DW Pb MCWA#_ST-206-F G DW Pb MCWA# ST-206 DF .09 G DW Pb MCWA# ST-207-F G DW Pb MCWA# ST-207-DF G DW Pb MCWA# ST-208-F .07 DW G Pb ALS Field Services: __Pickup __Labor MCWA# ST-208 DE G DW __Composite Sampling __Rental Equipment 07 Project Comments: Other: LOGGED BY(signature): Standard Special Processing Data Deliverables State Samples REVIEWED BY(signature): CLP-like USACE Collected In Relinquished By / Company Name Date Time Received By / Company Name Date **JUSACE** Time X NY Navv 9/23/1 1.25 MCWA 2:10 19/23 1410 Reportable to PADEP? Sample Disposal PA Yes PWS!" R1610137 10 EDI G=Grab; C=Composite **Matrix - Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=So

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17 18 of 109



CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /

COC#:		
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Email? X -Y jim.nugent@mcwa Fax? -Y No.:	.com															Correct Sample Volumes?	IJL		
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Sample Description/Location (as it will appear on the lab report)	Sample		5	**Matrix										1		Headspace/Volatiles?	٦٢	\top	
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		ALS ENVI				G M	~~153	f 11090°	3 AA CIOD	LANE, I	MIDDLE	TOWN,	PA 170	mm1#11#	at trail all		III -		



Cooler Receipt and Preservation Check Form

R1610137
Monroe County Water Authority WCSD-State Road

onroe Co CSD-Sta		hority	

Project/Clie	ent MC	WA		*		Fol	der l	Nun	iber_						***			
Cooler receive	<u> </u>	23/R		by:	m	_	(COU	RIER:	ALS	UPS	FEDI	EX VI	ELOC	ITY C L	IENT	•	
1 Were Cu	stody seals or	outsid	e of co	ooler?		Y 🚺	} [5a	Percl	nlorate	samples	have re	equired	heads	pace?	Y	N	(NA)
2 Custody	papers prope	rly com	pleted	(ink, s	igned)?	N		5b	Did V	/OA vi	ials, Alk,c	r Sulfi	de have	sig* b	oubbles?	Y	N	(NA)
3 Did all bo	ottles arrive in	good c	onditi	on (unb	oroken)?	Ø N	-	6	Wher	e did tl	he bottles	origina	ate?	(A)	LS/ROD	C	LIEN	T
4 Circle: V	Wet Ice Dry	Ice G	el pa	cks p	oresent?	YN		7	Soil V	VOA re	eceived as	: F	Bulk	Encor	e 503	5set	(N/	D
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PC Secondary Review:



Miscellaneous Forms

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the õNotesö column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an õimmediateö hold time criteria.
- # Spike was diluted out.

- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ)

 The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory¢s NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to http://www.alsglobal.com/en/Our-Services/Environmental/Downloads/North-America-Downloads

ALS Laboratory Group

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

MDL Method Detection Limit
MPN Most Probable Number
MRL Method Reporting Limit

NA Not Applicable NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but

greater than or equal to the MDL.

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Sample Name:

MCWA#ST-Kitchen-N-F **Date Collected:** 09/21/16 R1610137-001

Lab Code: Sample Matrix: Drinking Water **Date Received:** 09/23/16

Service Request: R1610137

Analyzed By Extracted/Digested By Analysis Method

200.8 **CKUTZER**

Date Collected: 09/21/16 Sample Name: MCWA#ST-Kitchen-S-F

Lab Code: R1610137-002 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Extracted/Digested By Analyzed By Analysis Method

200.8 **CKUTZER**

Sample Name: MCWA#ST-Kitchen-P-F **Date Collected:** 09/21/16

Lab Code: R1610137-003 **Date Received:** 09/23/16 Sample Matrix: **Drinking Water**

Analysis Method Extracted/Digested By Analyzed By

200.8 **CKUTZER**

Sample Name: MCWA#ST-Cafe-P-F **Date Collected:** 09/21/16

Lab Code: R1610137-004 **Date Received:** 09/23/16 Sample Matrix: Drinking Water

Analyzed By Analysis Method Extracted/Digested By

200.8 **CKUTZER**

Sample Name: MCWA#ST-Nurse-P-F **Date Collected:** 09/21/16

Lab Code: R1610137-005 **Date Received:** 09/23/16 Drinking Water Sample Matrix:

Analyzed By Extracted/Digested By Analysis Method 200.8 **CKUTZER**

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

Sample Name: MCWA#ST-M.O.-F **Date Collected:** 09/21/16 Lab Code: R1610137-006 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analyzed By Analysis Method Extracted/Digested By

200.8 **CKUTZER**

Sample Name: MCWA#ST-Boys Locker-DF **Date Collected:** 09/21/16

Lab Code: R1610137-007 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Extracted/Digested By Analyzed By Analysis Method

200.8 **CKUTZER**

Sample Name: MCWA#ST-Girls Locker-DF **Date Collected:** 09/21/16

Lab Code: R1610137-008 **Date Received:** 09/23/16 Sample Matrix: **Drinking Water**

Analysis Method Extracted/Digested By Analyzed By

200.8 **CKUTZER**

Sample Name: MCWA#ST-Lib-F **Date Collected:** 09/21/16 Lab Code: R1610137-009 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analyzed By Analysis Method Extracted/Digested By

200.8 **CKUTZER**

Sample Name: MCWA#ST-Art-N-L-F **Date Collected:** 09/21/16

Lab Code: R1610137-010 **Date Received:** 09/23/16 Drinking Water Sample Matrix:

Analyzed By Extracted/Digested By Analysis Method 200.8 **CKUTZER**

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

MCWA#ST-Art-N-R-F **Date Collected:** 09/21/16

Service Request: R1610137

Lab Code: R1610137-011 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Sample Name:

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-Art-S-F Date Collected: 09/21/16

Lab Code: R1610137-012 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Date Received: 09/23.

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-101-East-F Date Collected: 09/21/16

Lab Code:R1610137-013Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-101-West-F Date Collected: 09/21/16

Lab Code:R1610137-014Date Received:09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-101-DF
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-015
 Date Received:
 09/23/16

Lab Code: R1610137-015 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

MCWA#ST-102-West-F **Date Collected:** 09/21/16

Service Request: R1610137

Lab Code: R1610137-016 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Sample Name:

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-102-East-F Date Collected: 09/21/16

Lab Code: R1610137-017 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-103-F Date Collected: 09/21/16

Lab Code: R1610137-018 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-103-DF Date Collected: 09/21/16

Lab Code:R1610137-019Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-104-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-020
 Date Received:
 09/23/16

Lab Code: R1610137-020 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By
200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

Sample Name: MCWA#ST-104-DF

Lab Code: R1610137-021 **Sample Matrix:** Drinking Water **Date Collected:** 09/21/16 **Date Received:** 09/23/16

CKUTZER

Analyzed By Extracted/Digested By Analysis Method

200.8

Date Collected: 09/21/16 Sample Name: MCWA#ST-105-F

Lab Code: R1610137-022

Date Received: 09/23/16 **Sample Matrix:** Drinking Water

Extracted/Digested By Analyzed By Analysis Method

200.8 **CKUTZER**

Sample Name: MCWA#ST-105-DF **Date Collected:** 09/21/16

Lab Code: R1610137-023 **Date Received:** 09/23/16 Sample Matrix: **Drinking Water**

Analysis Method Extracted/Digested By Analyzed By

200.8 **CKUTZER**

Sample Name: MCWA#ST-106-F **Date Collected:** 09/21/16 Lab Code: R1610137-024 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analyzed By Analysis Method Extracted/Digested By

200.8 **CKUTZER**

Sample Name: MCWA#ST-106-DF **Date Collected:** 09/21/16

Lab Code: R1610137-025 **Date Received:** 09/23/16 Drinking Water Sample Matrix:

Analyzed By Extracted/Digested By Analysis Method 200.8 **CKUTZER**

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road Service Request: R1610137

Sample Name: MCWA#ST-107-F

Lab Code: R1610137-026

Sample Matrix: Drinking Water **Date Collected:** 09/21/16 **Date Received:** 09/23/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name: MCWA#ST-107-DF

Lab Code: R1610137-027

Sample Matrix: Drinking Water **Date Collected:** 09/21/16

Date Received: 09/23/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

MCWA#ST-108-8 Lab Code: R1610137-028 Sample Matrix: **Drinking Water**

Date Collected: 09/21/16

Date Received: 09/23/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

Lab Code:

MCWA#ST-108-DF R1610137-029 Drinking Water

Date Collected: 09/21/16

Date Received: 09/23/16

Analysis Method

Sample Matrix:

200.8

Extracted/Digested By

Analyzed By CKUTZER

Sample Name:

Lab Code:

MCWA#ST-109-F R1610137-030 Drinking Water

Date Collected: 09/21/16 **Date Received:** 09/23/16

Analysis Method

Sample Matrix:

200.8

Extracted/Digested By

Analyzed By CKUTZER

Printed 10/24/2016 11:02:29 AM

Superset Reference:16-0000397281 rev 00

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

MCWA#ST-109-DF **Date Collected:** 09/21/16

Service Request: R1610137

Superset Reference:16-0000397281 rev 00

Lab Code: R1610137-031 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Printed 10/24/2016 11:02:29 AM

Sample Name:

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-111-F Date Collected: 09/21/16

Lab Code:R1610137-032Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-111-DF Date Collected: 09/21/16

Lab Code: R1610137-033 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-112-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-034
 Date Received:
 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-114-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-035
 Date Received:
 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By
200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

Sample Name: MCWA#ST-115-F

Lab Code: R1610137-036 **Sample Matrix:** Drinking Water **Date Collected:** 09/21/16 **Date Received:** 09/23/16

CKUTZER

Date Received: 09/23/16

Analysis Method Extracted/Digested By Analyzed By

200.8

Sample Name: MCWA#ST-118-DF Date Collected: 09/21/16

Lab Code: R1610137-037

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-118-F
 Date Collected: 09/21/16

 Lab Code:
 R1610137-038
 Date Received: 09/23/16

Lab Code: R1610137-038
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-120-DF Date Collected: 09/21/16

Lab Code:R1610137-039Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-120-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-040
 Date Received:
 09/23/16

Lab Code: R1610137-040 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By
200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

MCWA#ST-121-DF **Date Collected:** 09/21/16 R1610137-041 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Sample Name:

Lab Code:

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-121-F Date Collected: 09/21/16

Lab Code: R1610137-042 **Date Received:** 09/23/16

Lab Code: R1610137-042 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-122-DF Date Collected: 09/21/16

Lab Code: R1610137-043 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-122-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-044
 Date Received:
 09/23/16

Sample Matrix: Drinking Water

Date Received: 09/23/16

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-123-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-045
 Date Received:
 09/23/16

Lab Code: R1610137-045 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By
200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

 Sample Name:
 MCWA#ST-201-DF
 Date Collected: 09/21/16

 Lab Code:
 R1610137-046
 Date Received: 09/23/16

Sample Matrix: Drinking Water

Date Received: 09/23/16

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-201-F Date Collected: 09/21/16

Lab Code: R1610137-047 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-202-DF Date Collected: 09/21/16

Lab Code: R1610137-048 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-202-F Date Collected: 09/21/16

Lab Code: R1610137-049 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-210-F
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-050
 Date Received:
 09/23/16

Lab Code: R1610137-050 Date Received: 09/23/16
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By
200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Service Request: R1610137

Sample Name: MCWA#ST-204-F

Lab Code: R1610137-051 **Sample Matrix:** Drinking Water

Date Collected: 09/21/16 **Date Received:** 09/23/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name: MCWA#ST-204-DF

Lab Code:

R1610137-052 Drinking Water **Date Collected:** 09/21/16

Date Received: 09/23/16

Analysis Method

Sample Matrix:

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

Sample Matrix:

Lab Code:

MCWA#ST-205-F R1610137-053 Drinking Water **Date Collected:** 09/21/16 **Date Received:** 09/23/16

Analysis Method

200.8

Extracted/Digested By

Analyzed By

CKUTZER

Sample Name:

Sample Matrix:

Lab Code:

MCWA#ST-205-DF R1610137-054 Drinking Water **Date Collected:** 09/21/16

Date Received: 09/23/16

Analysis Method

200.8

Extracted/Digested By Analyzed By

CKUTZER

Sample Name:

Lab Code:

MCWA#ST-206-F R1610137-055 Drinking Water **Date Collected:** 09/21/16 **Date Received:** 09/23/16

Analysis Method

Sample Matrix:

200.8

Extracted/Digested By

Analyzed By CKUTZER

Printed 10/24/2016 11:02:29 AM

Superset Reference:16-0000397281 rev 00

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

Sample Name:

Service Request: R1610137

MCWA#ST-206-DF **Date Collected:** 09/21/16 R1610137-056 **Date Received:** 09/23/16

Lab Code: R1610137-056 Date Received: 09/23/1
Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-207-F Date Collected: 09/21/16

Lab Code:R1610137-057Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-207-DF Date Collected: 09/21/16

Lab Code:R1610137-058Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By 200.8 CKUTZER

Sample Name:MCWA#ST-208-FDate Collected: 09/21/16Lab Code:R1610137-059Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

 Sample Name:
 MCWA#ST-208-DF
 Date Collected:
 09/21/16

 Lab Code:
 R1610137-060
 Date Received:
 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By 200.8 CKUTZER

Analyst Summary report

Client: Monroe County Water Authority

Project: WCSD-State Road

MCWA#ST-209-DF **Date Collected:** 09/21/16

Lab Code: R1610137-061 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Sample Name:

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-209-F Date Collected: 09/21/16

Lab Code: R1610137-062 **Date Received:** 09/23/16

Sample Matrix: Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-214-DF Date Collected: 09/21/16

Lab Code:R1610137-063Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Sample Name: MCWA#ST-214-F Date Collected: 09/21/16

Lab Code:R1610137-064Date Received: 09/23/16Sample Matrix:Drinking Water

Analysis Method Extracted/Digested By Analyzed By

200.8 CKUTZER

Service Request: R1610137



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid	9030B
Soluble	
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation
	Method
6010C	3050B
6020A	3050B
6010C TCLP (1311)	3005A/3010A
extract	
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/	DI extraction
353.2/ SM 2320B/ SM	
5210B/ 9056A Anions	

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



Metals

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Kitchen-N-F Basis: NA

Lab Code: R1610137-001

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 17:28 Lead, Total 5.1 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Kitchen-S-F Basis: NA

Lab Code: R1610137-002

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 17:32 Lead, Total 2.8 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Kitchen-P-F Basis: NA

Lab Code: R1610137-003

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 17:36 Lead, Total 3.1 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Cafe-P-F Basis: NA

Lab Code: R1610137-004

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 17:39 Lead, Total 1.4 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Nurse-P-F Basis: NA

Lab Code: R1610137-005

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 17:51 Lead, Total 2.3 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-M.O.-F

Lab Code: R1610137-006

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 18.9 10/15/16 17:54 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Boys Locker-DF Basis: NA

Lab Code: R1610137-007

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 18:06 Lead, Total 2.1 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Girls Locker-DF Basis: NA

Lab Code: R1610137-008

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 18:10 Lead, Total 1.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-Lib-F

Lab Code: R1610137-009

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 70.3 10/15/16 18:13 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Art-N-L-F Basis: NA

Lab Code: R1610137-010

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 18:17 Lead, Total 4.5 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Art-N-R-F Basis: NA

Lab Code: R1610137-011

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 18:21 Lead, Total 6.0 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-Art-S-F Basis: NA

Lab Code: R1610137-012

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 18:25 Lead, Total 3.9 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-101-East-F Basis: NA

Lab Code: R1610137-013

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 5.7 10/15/16 18:48 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-101-West-F Basis: NA

Lab Code: R1610137-014

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 7.9 10/15/16 18:59 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-101-DF Basis: NA

Lab Code: R1610137-015

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 2.7 10/15/16 19:03 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-102-West-F Basis: NA

Lab Code: R1610137-016

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 13.7 10/15/16 19:07 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-102-East-F

Lab Code: R1610137-017

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 59.4 10/15/16 19:10 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

200.8

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-103-F Basis: NA

Lab Code: R1610137-018

Lead, Total

Inorganic Parameters

ug/L

1.0

Analysis **Analyte Name** Method Result Units MRL Dil. 30.4

Date Analyzed

10/15/16 19:14

Q

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-103-DF

Lab Code: R1610137-019

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 7.2 10/15/16 19:25 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-104-F

Lab Code: R1610137-020

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 5.9 10/15/16 19:29 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-104-DF

Lab Code: R1610137-021

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 19:33 Lead, Total 10.8 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-105-F Basis: NA

Lab Code: R1610137-022

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 19:37 Lead, Total 5.2 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-105-DF Basis: NA

Lab Code: R1610137-023

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 19:41 Lead, Total 3.5 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-106-F Basis: NA

Lab Code: R1610137-024

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 19:52 Lead, Total 10.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-106-DF

Lab Code: R1610137-025

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 19:56 Lead, Total 4.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-107-F Basis: NA

Lab Code: R1610137-026

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 20:00 Lead, Total 16.4 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-107-DF

Lab Code: R1610137-027

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 20:11 Lead, Total 3.5 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-108-8 Basis: NA

Lab Code: R1610137-028

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 20:15 Lead, Total 62.1 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-108-DF

Lab Code: R1610137-029

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 9.9 10/15/16 20:18 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-109-F

Lab Code: R1610137-030

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 9.2 10/15/16 20:22 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-109-DF Basis: NA

Lab Code: R1610137-031

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 20:26 Lead, Total 11.5 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-111-F Basis: NA

Lab Code: R1610137-032

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 20:30 Lead, Total 14.9 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-111-DF

Lab Code: R1610137-033

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q Lead, Total 200.8 10/20/16 15:34 3.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-112-F

Lab Code: R1610137-034

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 15:46 Lead, Total 31.3 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-114-F

Lab Code: R1610137-035

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 3.5 10/20/16 15:49 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-115-F

Lab Code: R1610137-036

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 15:53 Lead, Total 10.7 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-118-DF

Lab Code: R1610137-037

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 15:57 Lead, Total 3.3 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-118-F Basis: NA

Lab Code: R1610137-038

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q Lead, Total 200.8 7.5 10/20/16 16:08 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-120-DF

Lab Code: R1610137-039

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:12 Lead, Total 2.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-120-F

Lab Code: R1610137-040

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:16 Lead, Total 5.1 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-121-DF

Lab Code: R1610137-041

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:19 Lead, Total 7.0 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-121-F

Lab Code: R1610137-042

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 5.7 10/20/16 16:23 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Project: WCSD-State Road

Sample Matrix: Drinking Water Date Received: 09/23/16 14:09

Sample Name: MCWA#ST-122-DF Basis: NA

Lab Code: R1610137-043

Inorganic Parameters

 Analyte Name
 Method
 Result
 Units
 MRL
 Dil.
 Date Analyzed
 Q

 Lead, Total
 200.8
 2.5
 ug/L
 1.0
 1
 10/20/16 16:27

Service Request: R1610137 **Date Collected:** 09/21/16

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-122-F

Lab Code: R1610137-044

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:31 Lead, Total 6.7 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-123-F

Lab Code: R1610137-045

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:35 Lead, Total 8.2 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-201-DF

Lab Code: R1610137-046

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 16:53 Lead, Total 4.2 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-201-F

Lab Code: R1610137-047

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 9.5 10/20/16 16:57 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-202-DF

Lab Code: R1610137-048

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 17:01 Lead, Total 4.9 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-202-F

Lab Code: R1610137-049

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 17:05 Lead, Total 11.0 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-210-F

Lab Code: R1610137-050

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 25.3 10/20/16 17:08 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-204-F

Lab Code: R1610137-051

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 17:12 Lead, Total 11.9 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-204-DF

Lab Code: R1610137-052

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 17:16 Lead, Total 3.3 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-205-F

Lab Code: R1610137-053

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 5.7 10/20/16 17:42 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-205-DF

Lab Code: R1610137-054

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 17:53 Lead, Total 7.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-206-F

Lab Code: R1610137-055

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 29.0 10/20/16 17:57 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-206-DF

Lab Code: R1610137-056

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 18:01 Lead, Total 5.4 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-207-F

Lab Code: R1610137-057

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 5.7 10/20/16 18:05 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-207-DF Basis: NA

Lab Code: R1610137-058

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 18:16 Lead, Total 7.4 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-208-F

Lab Code: R1610137-059

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 18:20 Lead, Total 12.6 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-208-DF

Lab Code: R1610137-060

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 18:24 Lead, Total 5.3 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-209-DF

Lab Code: R1610137-061

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 12.8 10/20/16 18:28 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: MCWA#ST-209-F Basis: NA

Lab Code: R1610137-062

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 7.2 10/20/16 18:31 Lead, Total ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-214-DF

Lab Code: R1610137-063

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/20/16 18:43 Lead, Total 14.9 ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

Service Request: R1610137 **Date Collected:** 09/21/16 **Project:** WCSD-State Road

Date Received: 09/23/16 14:09 **Sample Matrix:** Drinking Water

Sample Name: Basis: NA MCWA#ST-214-F

Lab Code: R1610137-064

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 23.9 10/20/16 18:46 Lead, Total ug/L 1.0



QC Summary Forms

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com



Metals

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com

Analytical Report

Client: Monroe County Water Authority

Date Collected: NA WCSD-State Road Date Received: NA **Sample Matrix:** Drinking Water

Sample Name: Method Blank Basis: NA

Lab Code: R1610137-MB1

Project:

Inorganic Parameters

Analysis **Analyte Name** Method Result Units MRL Dil. **Date Analyzed** Q 200.8 10/15/16 16:35 Lead, Total 1.0 U ug/L 1.0

Analytical Report

Client: Monroe County Water Authority

WCSD-State Road
Drinking Water
Date Collected: NA
Date Received: NA

Sample Name: Method Blank Basis: NA

Lab Code: R1610137-MB2

Project:

Sample Matrix:

Inorganic Parameters

 Analyte Name
 Method
 Result
 Units
 MRL
 Dil.
 Date Analyzed
 Q

 Lead, Total
 200.8
 1.0 U
 ug/L
 1.0
 1
 10/15/16 18:40

Analytical Report

Client: Monroe County Water Authority

Project:

Sample Matrix:

WCSD-State Road

Drinking Water

Date Collected: NA

Date Received: NA

Sample Name: Method Blank Basis: NA

Lab Code: R1610137-MB3

Inorganic Parameters

 Analyte Name
 Method
 Result
 Units
 MRL
 Dil.
 Date Analyzed
 Q

 Lead, Total
 200.8
 1.0 U
 ug/L
 1.0
 1
 10/20/16 15:27

Analytical Report

Client: Monroe County Water Authority

Project:

Sample Matrix:

WCSD-State Road

Drinking Water

Date Collected: NA

Date Received: NA

Sample Name: Method Blank Basis: NA

Lab Code: R1610137-MB4

Inorganic Parameters

 Analyte Name
 Method
 Result
 Units
 MRL
 Dil.
 Date Analyzed
 Q

 Lead, Total
 200.8
 1.0 U
 ug/L
 1.0
 1
 10/20/16 17:35