

Analytical Report For

Monroe 1 BOCES

For Lab Project ID

164071

Referencing

Drinking Water Retest

Prepared

Friday, October 07, 2016

The enclosed reports reflect an analysis that has been subcontracted and are presented in their original form.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



ANALYTICAL REPORT

Job Number: 420-110628-1

Job Description: Paradigm Environmental, Inc.

For:

Paradigm Environmental Services, Inc. 179 Lake Avenue Rochester, NY 14608

Attention: Rebecca Ross

Meredith W Ruthven

Meredith Ruthven

Customer Service Manager

mruthven@envirotestlaboratories.com

10/07/2016

cc: Joni Deutscher
Paradigm Reporting

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554



METHOD SUMMARY

Client: Paradigm Environmental Services, Inc.

Description	Lab Location	Method	Preparation Method	
Matrix: Water				
ICPMS Metals by 200.8	EnvTest	EPA 200.8 Re	ev.5.4	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200	

Lab References:

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Paradigm Environmental Services, Inc. Job Number: 420-110628-1

Method	Analyst	Analyst ID	
EPA 200.8 Rev.5.4	Sirico, Derek	DS	

SAMPLE SUMMARY

Client: Paradigm Environmental Services, Inc.

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
420-110628-1	B-910 RM J-8 HAND SINK	Drinking Water	09/20/2016 0649	09/21/2016 1135
420-110628-2	B-910 RM D-3	Drinking Water	09/20/2016 0654	09/21/2016 1135
420-110628-3	B-910 RM D-10 A	Drinking Water	09/20/2016 0656	09/21/2016 1135
420-110628-4	B-910 RM D-10 B	Drinking Water	09/20/2016 0656	09/21/2016 1135
420-110628-5	B910 RM FILL	Drinking Water	09/20/2016 0658	09/21/2016 1135
420-110628-6	B910 RM A-4	Drinking Water	09/20/2016 0701	09/21/2016 1135
420-110628-7	B910 RM A-9	Drinking Water	09/20/2016 0704	09/21/2016 1135
420-110628-8	B456 RM X-9 A	Drinking Water	09/20/2016 0710	09/21/2016 1135
420-110628-9	B456 RM X-9 B	Drinking Water	09/20/2016 0710	09/21/2016 1135
420-110628-10	B456 RM X-9 C	Drinking Water	09/20/2016 0714	09/21/2016 1135
420-110628-11	B456 RM-X10 A	Drinking Water	09/20/2016 0714	09/21/2016 1135
420-110628-12	B456 RM-X10 B	Drinking Water	09/20/2016 0714	09/21/2016 1135
420-110628-13	B456 RM-X10 C	Drinking Water	09/20/2016 0718	09/21/2016 1135
420-110628-14	B456 RM-Y11 A	Drinking Water	09/20/2016 0718	09/21/2016 1135
420-110628-15	B456 RM-Y11 B	Drinking Water	09/20/2016 0718	09/21/2016 1135
420-110628-16	B456 RM-Y11 C	Drinking Water	09/20/2016 0724	09/21/2016 1135
420-110628-17	B456 RM-Y8 A	Drinking Water	09/20/2016 0724	09/21/2016 1135
420-110628-18	B456 RM-Y8 B	Drinking Water	09/20/2016 0724	09/21/2016 1135
420-110628-19	B456 RM-Y8 C	Drinking Water	09/20/2016 0724	09/21/2016 1135
420-110628-20	B123 RM J-17 L SINK	Drinking Water	09/20/2016 0733	09/21/2016 1135
420-110628-21	B123 RM P-2 SINK	Drinking Water	09/20/2016 0737	09/21/2016 1135

Rebecca Ross Job Number: 420-110628-1 Paradigm Environmental Services, Inc.

179 Lake Avenue Rochester, NY 14608

 Client Sample ID:
 B-910 RM J-8 HAND SINK
 Date Sampled:
 09/20/2016 0649

 Lab Sample ID:
 420-110628-1
 Date Received:
 09/21/2016 1135

 Client Matrix:
 Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date Ar	nalyzed: 1	0/06/2016 1331	
Prep Method: 200		Date Pr	epared: 1	0/05/2016 1355	
Pb	1.76	ug/L	1.00	1.00	1.0

Rochester, NY 14608

Client Sample ID: B-910 RM D-3 Lab Sample ID: 420-110628-2

09/20/2016 0654 Date Sampled: Date Received: 09/21/2016 1135 Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Ar	nalyzed:	10/06/2016 1334	
Prep Method: 200		Date Prepared:			10/05/2016 1440	
Pb	16.5	9	ug/L	1.00	1.00	1.0

Client Sample ID: B-910 RM D-10 A
Lab Sample ID: 420-110628-3

Date Sampled: 09/20/2016 0656
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Quali	fier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Ar	nalyzed: 10/0	06/2016 1355	
Prep Method: 200			Date Pr	repared: 10/0)5/2016 1440	
Pb	1.00	U	ug/L	1.00	1.00	1.0

Rebecca Ross Job Number: 420-110628-1
Paradigm Environmental Services, Inc.

179 Lake Avenue Rochester, NY 14608

 Client Sample ID:
 B-910 RM D-10 B
 Date Sampled:
 09/20/2016 0656

 Lab Sample ID:
 420-110628-4
 Date Received:
 09/21/2016 1135

 Client Matrix:
 Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date An	alyzed:	10/06/2016 1359	
Prep Method: 200		Date Prepared:				
Pb	1.00	U	ua/L	1.00	1.00	1.0

1/9 Lake Avenue Rochester, NY 14608

Client Sample ID: B910 RM FILL Lab Sample ID: 420-110628-5

Date Sampled: 09/20/2016 0658
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date Ar	nalyzed:	10/06/2016 1402	
Prep Method: 200		Date Prep			
Pb	66.0 a	ua/L	1.00	1.00	1.0

179 Lake Avenue Rochester, NY 14608

Client Sample ID: B910 RM A-4
Lab Sample ID: 420-110628-6

Date Sampled: 09/20/2016 0701
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifi	er	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Ar	alyzed:	10/06/2016 1406	
Prep Method: 200			Date Pr	epared:	10/05/2016 1440	
Pb	1.00	U	ug/L	1.00	1.00	1.0

Client Sample ID: B910 RM A-9
Lab Sample ID: 420-110628-7

Date Sampled: 09/20/2016 0704
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed:	10/06/2016 1409	
Prep Method: 200		Date Prepared:			
Pb	7.99	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM X-9 A Lab Sample ID: 420-110628-8 Date Sampled: 09/20/2016 0710
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed:	10/06/2016 1413	
Prep Method: 200		Date Prepared:			
Pb	2.57	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM X-9 B Lab Sample ID: 420-110628-9 Date Sampled: 09/20/2016 0710
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed:	10/06/2016 1417	
Prep Method: 200		Date Prepared:			
Pb	3.13	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM X-9 C Lab Sample ID: 420-110628-10 Date Sampled: 09/20/2016 0714
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Quali	fier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date Ar	nalyzed: 10/	06/2016 1420	
Prep Method: 200			Date Pr	epared: 10/	05/2016 1440	
Pb	1.00	U	ug/L	1.00	1.00	1.0

Rochester, NY 14608

Client Sample ID: B456 RM-X10 A Lab Sample ID: 420-110628-11

09/20/2016 0714 Date Sampled: Date Received: 09/21/2016 1135 Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date .	Analyzed: 10/	06/2016 1424	
Prep Method: 200		Date	Prepared: 10/	/05/2016 1440	
Pb	31.0 g	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-X10 B Lab Sample ID: 420-110628-12 Date Sampled: 09/20/2016 0714
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed: 10	0/06/2016 1434	
Prep Method: 200		Date Pro	epared: 10	0/05/2016 1440	
Pb	5.50	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-X10 C Lab Sample ID: 420-110628-13 Date Sampled: 09/20/2016 0718
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	nalyzed: 10/0	06/2016 1438	
Prep Method: 200		Date Pr	epared: 10/0	05/2016 1440	
Pb	2.69	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y11 A Lab Sample ID: 420-110628-14 Date Sampled: 09/20/2016 0718
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date A	nalyzed:	10/06/2016 1441	
Prep Method: 200			Date Pi	epared:	10/05/2016 1440	
Pb	23.6	g	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y11 B Lab Sample ID: 420-110628-15 Date Sampled: 09/20/2016 0718
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed: 10	06/2016 1445	
Prep Method: 200		Date Pro	epared: 10	/05/2016 1440	
Pb	5.27	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y11 C Lab Sample ID: 420-110628-16 Date Sampled: 09/20/2016 0724
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed:	10/06/2016 1448	
Prep Method: 200		Date Pre	epared:	10/05/2016 1440	
Pb	8.57	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y8 A Lab Sample ID: 420-110628-17 Date Sampled: 09/20/2016 0724
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed: 10/	06/2016 1452	
Prep Method: 200		Date Pre	epared: 10/	05/2016 1440	
Pb	5.24	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y8 B Lab Sample ID: 420-110628-18 Date Sampled: 09/20/2016 0724
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed:	10/06/2016 1455	
Prep Method: 200		Date Pre	epared:	10/05/2016 1440	
Pb	6.19	ug/L	1.00	1.00	1.0

Client Sample ID: B456 RM-Y8 C Lab Sample ID: 420-110628-19 Date Sampled: 09/20/2016 0724
Date Received: 09/21/2016 1135
Client Matrix: Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date An	alyzed: 10	/06/2016 1459	
Prep Method: 200		Date Pro	epared: 10	/05/2016 1440	
Pb	5.13	ug/L	1.00	1.00	1.0

Rebecca Ross Job Number: 420-110628-1 Paradigm Environmental Services, Inc.

179 Lake Avenue Rochester, NY 14608

 Client Sample ID:
 B123 RM J-17 L SINK
 Date Sampled:
 09/20/2016 0733

 Lab Sample ID:
 420-110628-20
 Date Received:
 09/21/2016 1135

 Client Matrix:
 Drinking Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4		Date .	Analyzed: 10	/06/2016 1502	
Prep Method: 200		Date	Prepared: 10	/05/2016 1440	
Pb	1.00 L	l ua/L	1.00	1.00	1.0

Rebecca Ross Job Number: 420-110628-1 Paradigm Environmental Services, Inc.

179 Lake Avenue Rochester, NY 14608

 Client Sample ID:
 B123 RM P-2 SINK
 Date Sampled:
 09/20/2016 0737

 Lab Sample ID:
 420-110628-21
 Date Received:
 09/21/2016 1135

 Client Matrix:
 Drinking Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 200.8 Rev.5.4			Date An	alyzed:	10/06/2016 1506	
Prep Method: 200			Date Pre	epared:	10/05/2016 1440	
Pb	17.0	q	ug/L	1.00	1.00	1.0

DATA REPORTING QUALIFIERS

Client: Paradigm Environmental Services, Inc.

Job Number:

Lab Section	Qualifier	Description
Metals		
	_	Decult feile annlingble NIVO deinking water standards
	g	Result fails applicable NYS drinking water standards
	U	The analyte was analyzed for but not detected at or above the
		lowest stated limit.

Certification Information

Client: Paradigm Environmental Services, Inc. Job Number:

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Silicon, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Phenolpthalien Alkalinity, Solids (Fixed), Solids (Percent), Solids (Percent Moisture), Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), Total Inorganic Carbon, Volatile Acids as Acetic Acid, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, Iron Bacteria, Salmonella, & Sulfur Reducing Bacteria.

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Cobalt (200.7, 200.8), Tin (200.7), Strontium (200.7), Gold (200.7), Platinum (200.7), Palladium (200.7), Titanium (200.7), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), Naphthalene (502.2), o-Xylene (502.2, 524), & Fecal Coliform (9222D).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), & MCPA (8151A).

Definitions and Glossary

Client: Paradigm Environmental Services, Inc.

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

Job Number:

CHAIN OF CUSTODY

110628	lof3
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CHAIN OF CUSTODY

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CHAIN OF CUSTODY

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Sample Conditi	on: Per NELA Receipt Par		11/242/24		ompliance																			- Auto-	_
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LOGIN SAMPLE RECEIPT CHECK LIST

Client: Paradigm Environmental Services, Inc. Job Number: 420-110628-1

Login Number: 110628

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	20.8 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

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CHAIN C

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4608 Office (585) 647-2530 Fax (585) 647-3311	1053
OF CUSTODY	1064

PΔR	ADIG	М			REPORT TO):					INVOICE	TO:						
CHAIRCHE	INTAL SERVICES.	INC.		CLIENT: MOSI	SDE #1 BOCE	5		CLIENT:	20-8	ne					LAB PROJ	ECT ID		
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77	- Contraction			PHONE: 580	- 387-38	840		PHONE:							Email:			
PROJEC	CT REFER	ENCE		ATTN: Barl	para Cafiso	n		ATTN:							b. CAF!	SOA- faci	lities	@ mail.com
Drinking	e Waste	V RAI	ha(+	Matrix Code	s: queous Liquid	WA-	Nater		D	N-Drinki	ing Water		O - Soil		SD - Solid	WP - Wip) A	OL - Oil
DITTE	3	a rej	C3 1		on-Aqueous Liquid		Groundwa	ater		W - Wast			L - Sludge	•	PT - Paint	CK - Cau		AR - Air
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ush 1 day			,			Recei	ved @ L	UCU ab By	<u>U</u> _	4/0	10116	Date/Time	39 e					SC 33
ther ease indicate date need	ed:	Other please indi	icate packa	ge needed:	Other EDD please indicate EDD needed] 33 ° By si	C 9 gning t	/20 / his for	/ _{(ζ} m, clie	o9:3 nt agree	22 es to Par	adigm	Terms a	nd Con	litions (rev	verse).		

See additional page for sample conditions.



CHAIN C

4608 Office (585) 647-2530 Fax (585) 647-3311	2043
OF CUSTODY	264

PAR	ADIG	M		HEATER SER	REPORT TO:		FOR MEN		No. of the last	II	NVOICE	10:				
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				ATTN:				ATTN:					-	Email:		
PROJEC	CT REFER	ENCE					2. 2	ATTN.				A				
Drinking	water	Re to	eS+		es: queous Liquid on-Aqueous Liquid	WA - W WG - G	ater roundwa	iter		/ - Drinking V - Waste		SO - S SL - S		SD - Solid PT - Paint	WP - Wipe CK - Caulk	OL - Oil AR - Air
	ENERTON								RE	QUESTE	ED ANA	LYSIS				
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	0733			B-123	RM J-17 1	LSINK	4	X	1							20
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Rush 3 day		Catego	ry A		NYSDEC EDD											
Rush 2 day		Catego	n/ B			Receiv	ed By	1.	= 1			Date/Time			P.I.F.	
Rush 1 day		Catego	., 5			Receiv	ed @ La	/// o By	ÚL.	9/20	1/6	Date/Time	Ĵ			
Other please indicate date need	ded:	Other please inc	dicate pack	age needed:	Other EDD please indicate EDD needed :	By sig	gning t	his for	m, clie	nt agree	s to Par	adigm Ter	ms and Coi	nditions (re	everse).	

See additional page for sample conditions.

CHAIN OF CUSTODY

(PARADIGM

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PARADIGM					INVOICE TO:										C			
ENVIRONMENTAL SERVICES, INC.				CLIENT: Same		CLIENT			Same					LAB PROJECT ID				
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				Matrix Code	es:											7		-
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ether ease indicate date need	led:	Other please indi	icate pack	ge needed:	Other EDD please indicate EDD needed :	By si	gning tl	nis fori	m, cli	ent agre	es to Para	digm Term	s and Cor	idition	s (revei	rse).		

See additional page for sample conditions.



Chain of Custody Supplement

Client:	Boces #/	Completed by:	molyail			
Lab Project ID:	164071	Date:	9/20/16			
	Sample Condi Per NELAC/ELAP	tion Requirements 210/241/242/243/244				
Condition	NELAC compliance with the samp Yes	le condition requirements upo No	on receipt N/A			
Container Type Comments						
Transferred to method- compliant container			L¥			
Headspace (<1 mL) Comments			<u> </u>			
Preservation Comments	added int of 400 during shipout	5 () to pM.	12, Mold 24hs			
Chlorine Absent (<0.10 ppm per test strip) Comments						
Holding Time Comments	X					
Temperature Comments	23°C 9/20//	6 0922	TX			
Sufficient Sample Quantity Comments						
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