



November 04, 2016

Service Request No:R1611470

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

Laboratory Results for: WCSD Thomas HS

Dear Mr.Nugent,

Enclosed are the results of the sample(s) submitted to our laboratory October 18, 2016
For your reference, these analyses have been assigned our service request number **R1611470**.

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,

ALS Group USA, Corp. dba ALS Environmental

Lisa Reyes
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | **FAX** +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



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 Thomas HS
Sample Matrix: Drinking Water

Service Request:R1611470
Date Received:10/18/16

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

Forty five drinking water samples were received for analysis at ALS Environmental on 10/18/2016. 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.

Subcontracted Analytical Parameters:

One or more samples were subcontracted to another laboratory for testing. The certified analytical report from the subcontractor has been included in its entirety at the end of this report and includes the name and address of the subcontracted laboratory.

Approved by  Date 11/4/2016



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

Client: Monroe County Water Authority
Project: WCSO Thomas HS

Service Request:R1611470

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1611470-001	MCWA# THS-432-S	10/10/2016	
R1611470-002	MCWA# THS-CUSTODIAL-S	10/10/2016	
R1611470-003	MCWA# THS-430-S-L	10/10/2016	
R1611470-004	MCWA# THS-430-S-R	10/10/2016	
R1611470-005	MCWA# THS-428-S	10/10/2016	
R1611470-006	MCWA# THS-426-S	10/10/2016	
R1611470-007	MCWA# THS-NURSE #2-S	10/10/2016	
R1611470-008	MCWA# THS-S-CAFE-DF-L	10/10/2016	
R1611470-009	MCWA# THS-WEST CAFE-S	10/10/2016	
R1611470-010	MCWA# THS-KITCHEN-S-SE	10/10/2016	
R1611470-011	MCWA# THS-KITCHEN ISLAND-S-N	10/10/2016	
R1611470-012	MCWA# THS-KITCHEN ISLAND-S-S	10/10/2016	
R1611470-013	MCWA# THS-S.GYM-DF	10/10/2016	
R1611470-014	MCWA# THS-F.H. CONCESSION-S	10/10/2016	
R1611470-015	MCWA# THS-WT F.H. DF-R	10/10/2016	
R1611470-016	MCWA# THS-WRESTLING-DF-R	10/10/2016	
R1611470-017	MCWA# THS-WRESTLING-DF-L	10/10/2016	
R1611470-018	MCWA# THS-329-S	10/10/2016	
R1611470-019	MCWA# THS-329-DF	10/10/2016	
R1611470-020	MCWA# THS-332-S	10/10/2016	
R1611470-021	MCWA# THS-334-S-S	10/10/2016	
R1611470-022	MCWA# THS-334-S-N	10/10/2016	
R1611470-023	MCWA# THS-336-S-E	10/10/2016	
R1611470-024	MCWA# THS-336-S-W	10/10/2016	
R1611470-025	MCWA# THS-338-S-E	10/10/2016	
R1611470-026	MCWA# THS-340-S-SW	10/10/2016	
R1611470-027	MCWA# THS-340-S-E	10/10/2016	
R1611470-028	MCWA# THS-340-S-W	10/10/2016	
R1611470-029	MCWA# THS-338-S-W	10/10/2016	
R1611470-030	MCWA# THS-338 BACK-S	10/10/2016	
R1611470-031	MCWA# THS-216-S-W	10/10/2016	
R1611470-032	MCWA# THS-216-DF-L	10/10/2016	
R1611470-033	MCWA# THS-216-DF-R	10/10/2016	
R1611470-034	MCWA# THS-216 S-PUMP	10/10/2016	
R1611470-035	MCWA# THS-216-S-M	10/10/2016	
R1611470-036	MCWA# THS-216-S-E	10/10/2016	
R1611470-037	MCWA# THS-145-S	10/10/2016	
R1611470-038	MCWA# THS-FACULTY-S	10/10/2016	
R1611470-039	MCWA# THS-MO-S	10/10/2016	
R1611470-040	MCWA# THS-248-S	10/10/2016	
R1611470-041	MCWA# THS-TRACK CONCESSION-S	10/10/2016	
R1611470-042	MCWA# THS-TURF CONCESSION-S	10/10/2016	

Client: Monroe County Water Authority
Project: WCSD Thomas HS

Service Request:R1611470

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1611470-043	MCWA# THS-251-S	10/10/2016	
R1611470-044	MCWA# THS-236-S	10/10/2016	
R1611470-045	MCWA# THS-236-DF	10/10/2016	



Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:		of
ALS Quote #:	38416	

Client Name: Monroe County Water Authority
 Address: Po Box 12697
 Rochester, NY 14612-0697
 Contact: James Nugent
 Phone#: 585-442-2000 Ext 531
 Project Name#: WCSD Thomas H.S.
 Bill To: MCWA
 TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved?
 Email? -Y Jim.nugent@mcwa.com
 Fax? -Y No.:

Container Type																			
Container Size	250 ml																		
Preservative	none																		

Receipt Information (completed by Receiving Lab)
 Cooler Temp: _____ Therm ID: _____
 No. of Coolers: _____ Y N Initial
 Custody Seals Present? Y N
 (If present) Seals Intact? Y N
 Received on Ice? Y N
 COC Labels Complete/Accurate? Y N
 Cont. in Good Cond.? Y N
 Correct Containers? Y N
 Correct Sample Volumes? Y N
 Correct Preservation? Y N
 Headspace/Volatiles? Y N

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C	Matrix	ANALYSES/METHOD REQUESTED															
					1	2	3	4	5	6	7	8	9	10						
MCWA# <u>THS-432-S</u>	<u>10/10/16</u>		G	DW	Pb															
MCWA# <u>THS-Custodial-S</u>			G	DW	Pb															
MCWA# <u>THS-430-S-2</u>			G	DW	Pb															
MCWA# <u>THS-430-S-R</u>			G	DW	Pb															
MCWA# <u>THS-428-S</u>			G	DW	Pb															
MCWA# <u>THS-426-S</u>			G	DW	Pb															
MCWA# <u>THS-NURSE #2-S</u>			G	DW	Pb															
MCWA# <u>THS-S-CAFE-DF L</u>			G	DW	Pb															
MCWA# <u>THS-WEST CAFE-S</u>			G	DW	Pb															
MCWA# <u>THS-Kitchen-S-SE</u>			G	DW	Pb															

Enter Number of Containers Per Sample or Field Results Below.

Courier/Tracking #: _____
 Sample/COC Comments: _____
 ALS Field Services: Pickup Labor
 Composite Sampling Rental Equipment
 Other: _____

Project Comments: _____

LOGGED BY (signature): _____	DATE: _____
REVIEWED BY (signature): _____	DATE: _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>Sharon York</u>	<u>10/18/16</u>	<u>1340</u>	<u>[Signature] ALS</u>	<u>10/18/16</u>	<u>1340</u>

Data Deliverables: Standard CLP-like USACE

Special Processing: USACE Navy State Samples Collected In: NY NJ PA NC

Reportable to PADEP? Yes

Sample Disposal: Lab Special

PWSID # _____
 EDDS: Form 8

* G=Grab, C=Composite ** Matrix - A=Air, DW=Drinking Water, GW=Groundwater, OI=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP=Wet
 ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057
 7 of 78

R1611470
 Monroe County Water Authority
 Drinking Water Lead
5



Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:		of
ALS Quote #:	38416	

Client Name: Monroe County Water Authority
 Address: Po Box 12697
 Rochester, NY 14612-0697
 Contact: James Nugent
 Phone#: 585-442-2000 Ext 531
 Project Name#: WKSD Thomas H.S.
 Bill To: MCWA
 TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved?
 Email? -Y jlm.nugent@mcwa.com
 Fax? -Y No.:

Container Type	Container Size	Preservative
250 ml		none

Receipt Information (completed by Receiving Lab)
 Cooler Temp: _____ Therm ID: _____
 No. of Coolers: _____ Y N Initial
 Custody Seals Present?
 (if present) Seals Intact?
 Received on Ice?
 COC Labels Complete/Accurate?
 Cont. In Good Cond.?
 Correct Containers?
 Correct Sample Volumes?
 Correct Preservation?
 Headspace/Volatiles?
 Courier/Tracking #:

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C	Matrix	ANALYSES/METHOD REQUESTED															
					Enter Number of Containers Per Sample or Field Results Below.															
MCWA# <u>THS</u> Kitchen Island-S	<u>10/10/16</u>		G	DW	Pb															
MCWA# <u>THS</u> Kitchen Island-S			G	DW	Pb															
MCWA# <u>THS</u> S. Gym - DF			G	DW	Pb															
MCWA# <u>THS</u> F.H. Concession - S			G	DW	Pb															
MCWA# <u>THS</u> WT F.H. DF R			G	DW	Pb															
MCWA# <u>THS</u> Wrestling-DF-R			G	DW	Pb															
MCWA# <u>THS</u> Wrestling-DF-L			G	DW	Pb															
MCWA# <u>THS</u> 329-S			G	DW	Pb															
MCWA# <u>THS</u> 329-DF			G	DW	Pb															
MCWA# <u>THS</u> 332 S			G	DW	Pb															

Project Comments:

LOGGED BY (signature): _____ DATE: _____

REVIEWED BY (signature): _____ DATE: _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>James Nugent</u>	<u>10/18/16</u>	<u>1340</u>	<u>ALS</u>	<u>10/18/16</u>	<u>1340</u>

Data Deliverables: Standard CLP-like USACE

Special Processing: USACE Navy

State Samples Collected In: NY NJ PA NC

Reportable to PADEP? Yes

Sample Disposal: Lab

PWSID # **R1611470**

5

2
5





Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:		of
ALS Quote #:	38416	

Client Name: Monroe County Water Authority
 Address: Po Box 12697
 Rochester, NY 14612-0697
 Contact: James Nugent
 Phone#: 585-442-2000 Ext 531
 Project Name#: NCS Thomas High School
 Bill To: MCWA
 TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved?
 Email? -Y jm.nugent@mcwa.com
 Fax? -Y No.:

Container Type	Container Size	Preservative									
	250 ml	none									

Receipt Information (completed by Receiving Lab)

Cooler Temp: _____ Therm ID: _____
 No. of Coolers: _____ Y N Initial
 Custody Seals Present? Y N Initial
 (If present) Seals Intact? Y N Initial
 Received on Ice? Y N Initial
 COC Labels Complete/Accurate? Y N Initial
 Cont. In Good Cond.? Y N Initial
 Correct Containers? Y N Initial
 Correct Sample Volumes? Y N Initial
 Correct Preservation? Y N Initial
 Headspace/Volatiles? Y N Initial

Courier/Tracking #: _____
 Sample/COC Comments

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C	Matrix	ANALYSES/METHOD REQUESTED															
					Enter Number of Containers Per Sample or Field Results Below.															
MCWA# <u>THS 334-S-S</u>	<u>10/16/16</u>		G	DW	Pb															
MCWA# <u>THS 334-S-N</u>			G	DW	Pb															
MCWA# <u>THS 336-S-E</u>			G	DW	Pb															
MCWA# <u>THS 336-S-W</u>			G	DW	Pb															
MCWA# <u>THS 338 S-E</u>			G	DW	Pb															
MCWA# <u>THS 340-S-SW</u>			G	DW	Pb															
MCWA# <u>THS 340-S-E</u>			G	DW	Pb															
MCWA# <u>THS 340-S-W</u>			G	DW	Pb															
MCWA# <u>THS 338 S-W</u>			G	DW	Pb															
MCWA# <u>THS 338 Back-S</u>			G	DW	Pb															

Project Comments: _____

LOGGED BY (signature): _____

REVIEWED BY (signature): _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <u>Raven York</u>	<u>10/19/16</u>	<u>1340</u>	2 <u>ALS</u>	<u>10/18/16</u>	<u>1346</u>
3			4		
5			6		
7			8		
9			10		

ALS Field Services: Pickup Labor
 Composite Sampling Rental Equipment
 Other: _____

Data Deliverables: Standard CLP-like USACE

Special Processing: USACE Navy State Samples Collected In: NY NJ PA NC

Reportable to PADEP? Yes

PWSID # _____

EDDS: Fr _____

Sample Disposal: Lab Special

* G=Grab, C=Composite ** Matrix - A=Air, DW=Drinking Water, GW=Groundwater, OI=Oil, OL=Other Liquid, SL=Sludge, SO=Soil, WP

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

9 of 78

R1611470
 Monroe County Water Authority
 Drinking Water Lead

5



Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:		of
ALS Quote #:	38416	

Client Name: Monroe County Water Authority
 Address: Po Box 12697
 Rochester, NY 14612-0697
 Contact: James Nugent
 Phone#: 585-442-2000 Ext 531
 Project Name#: WCSD Thomas High School
 Bill To: MCWA
 TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved?
 Email? -Y jim.nugent@mcwa.com
 Fax? -Y No.:

Container Type	Container Size	Preservative
	250 ml	none

Receipt Information (completed by Receiving Lab)
 Cooler Temp: _____ Therm ID: _____
 No. of Coolers: _____ Y N Initial
 Custody Seals Present? Y N
 (If present) Seals Intact? Y N
 Received on Ice? Y N
 COC Labels Complete/Accurate? Y N
 Cont. in Good Cond.? Y N
 Correct Containers? Y N
 Correct Sample Volumes? Y N
 Correct Preservation? Y N
 Headspace/Volatiles? Y N

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	G or C	Matrix	ANALYSES/METHOD REQUESTED	Enter Number of Containers Per Sample or Field Results Below.
MCWA# <u>THS-216-S-W</u>	<u>10/10/16</u>		G	DW	Pb	
MCWA# <u>THS-216-DF-L</u>			G	DW	Pb	
MCWA# <u>THS-216-DF-R</u>			G	DW	Pb	
MCWA# <u>THS-216-S-Pump</u>			G	DW	Pb	
MCWA# <u>THS-216-S-W</u>			G	DW	Pb	
MCWA# <u>THS-216-S-E</u>			G	DW	Pb	
MCWA# <u>THS-145-S</u>			G	DW	Pb	
MCWA# <u>THS-Faculty-S</u>			G	DW	Pb	
MCWA# <u>THS-MO-S</u>			G	DW	Pb	
MCWA# <u>THS-248-S</u>			G	DW	Pb	

Courier/Tracking #: _____
 Sample/COC Comments
 ALS Field Services: Pickup Labor
 Composite Sampling Rental Equipment
 Other: _____

Project Comments: _____

LOGGED BY (signature):		DATE	TIME		

REVIEWED BY (signature):		DATE	TIME		

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>Janeen Yehl</u>	<u>10/18/16</u>	<u>1340</u>	<u>[Signature]</u>	<u>10/18</u>	<u>1340</u>
			<u>ALS</u>		

Data Deliverables
 Standard
 CLP-like
 USACE

Special Processing
 USACE
 Navy

State Samples Collected In
 NY
 NJ
 PA
 NC

Reportable to PADEP?
 Yes

Sample Disposal
 Lab
 Special

PWSID # _____
 EDDS: 5

* G=Grab, C=Composite **Matrix - A=Air, DW=Drinking Water, GW=Groundwater, OI=Oil, OL=Other Liquid, SL=Sludge, SO=Soil
 ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17
 10 of 78

R1611470
 Monroe County Water Authority
 Drinking Water Lead



Environmental

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

COC #:		of
ALS Quote #:	38416	

Client Name: Monroe County Water Authority
 Address: Po Box 12697
 Rochester, NY 14612-0697
 Contact: James Nugent
 Phone#: 585-442-2000 Ext 531
 Project Name#: WCSD Thomas H.S.
 Bill To: MCWA
 TAT Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved? _____
 Email? -Y jim.nugent@mcwa.com
 Fax? -Y No. _____

Container Type	Container Size	Preservatives																
	250 ml	none																

Receipt Information (completed by Receiving Lab)
 Cooler Temp: _____ Therm ID: _____
 No. of Coolers: _____ Y N Initial
 Custody Seals Present? Y N
 (if present) Seals Intact? Y N
 Received on Ice? Y N
 COC Labels Complete/Accurate? Y N
 Cont. in Good Cond.? Y N
 Correct Containers? Y N
 Correct Sample Volumes? Y N
 Correct Preservation? Y N
 Headspace/Volatiles? Y N
 Courier/Tracking #: _____

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	Matrix	ANALYSES/METHOD REQUESTED													
					Enter Number of Containers Per Sample or Field Results Below.													
MCWA# <u>THS Track Concessions</u>	<u>10/10/16</u>		G	DW	Pb													
MCWA# <u>THS Turf Concessions</u>			G	DW	Pb													
MCWA# <u>THS 251-S</u>			G	DW	Pb													
MCWA# <u>THS 236-S</u>			G	DW	Pb													
MCWA# <u>THS 236-DF</u>			G	DW	Pb													
MCWA# _____			G	DW	Pb													
MCWA# _____			G	DW	Pb													
MCWA# _____			G	DW	Pb													
MCWA# _____			G	DW	Pb													
MCWA# _____			G	DW	Pb													

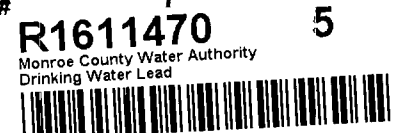
Project Comments:

LOGGED BY (signature): _____
 REVIEWED BY (signature): _____

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <u>Doreen Yeh</u>	<u>10/18/16</u>	<u>1340</u>	2 <u>ALS</u>	<u>10/18/16</u>	<u>1310</u>
3			4		
5			6		
7			8		
9			10		

Data Deliverables: Standard CLP-like USACE
 Reportable to PADEP? Yes
 PWSID # _____
 EDD: _____
 Special Processing: USACE Navy
 State Samples Collected In: NY NJ PA NC
 Sample Disposal: Lab
 5

* G=Grab, C=Composite ** Matrix: A=Air, DW=Drinking Water, GW=Groundwater, OI=Oil, OL=Other Liquid, SL=Sludge, SO=Soil
 ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 170
 11 of 78





Cooler Receipt and Preservation Check Form



Project/Client MCWA - WCSO Folder Number _____

Cooler received on 10-18-16 by TS

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <input checked="" type="radio"/> N
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="radio"/> N
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="radio"/> N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y <input checked="" type="radio"/> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y N <u>NA</u>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<u>NA</u>

8. Temperature Readings Date: 10-18 Time: 1340 ID: IR#7 IR#8 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>23.0</u>							
Correction Factor (°C)	<u>0</u>							
Corrected Temp (°C)	<u>23.0</u>							
Within 0-6°C?	Y <input checked="" type="radio"/> N	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted _____ Poorly Packed _____ Same Day Rule _____
& Client Approval to Run Samples: _____ Standing Approval _____ Client aware at drop-off _____ Client notified by: NA

All samples held in storage location: SNO by TS on 10-18-16 at 1340
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 10-28-16 Time: 1605 by: TS

- Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- Did all bottle labels and tags agree with custody papers? YES NO
- Were correct containers used for the tests indicated? YES NO
- Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- Air Samples: Cassettes / Tubes Intact _____ Canisters Pressurized _____ Tedlar® Bags Inflated NA

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO ₃		X	<u>none</u>		<u>del</u>	<u>1ml</u>	<u>13032656H</u>	<u>C2</u>
≤2	H ₂ SO ₄								
<4	NaHSO ₄								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
	Na ₂ S ₂ O ₃	-	-						
	ZnAcetate	-	-						
	HCl	**	**						

Yes=All samples OK
No=Samples were preserved at The lab as listed
PM OK to Adjust: _____

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: _____
Other Comments: _____

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

PC Secondary Review: TS

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



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

<p>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.</p> <p>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/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>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.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p>	<p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% (25% for CLP) difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\times 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>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).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p>
---	--



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/Life-Sciences/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.



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 Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

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

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



Subcontracted Analytical Parameters

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

November 4, 2016

Reports and Invoices
ALS Environmental
1565 Jefferson Road
Building 300, Suite 360
Rochester, NY 14623

Certificate of Analysis

Project Name: Metals without J values	Workorder: 2185828
Purchase Order:	Workorder ID: R1611470

Dear Reports Invoices:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, November 1, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mr. Brad W Kintzer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Mr. Brad W Kintzer
Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

SAMPLE SUMMARY

Workorder: 2185828 R1611470

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2185828001	MCWA#THS-432-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828002	MCWA#THS-CUSTODIAL-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828003	MCWA#THS-430-S-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828004	MCWA#THS-430-S-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828005	MCWA#THS-428-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828006	MCWA#THS-426-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828007	MCWA#THS-NURSE #2-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828008	MCWA#THS-S-CAFE-DF-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828009	MCWA#THS-WEST CAFE-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828010	MCWA#THS-KITCHEN-S-SE	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828011	MCWA#THS-KITCHEN ISLAND-S-N	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828012	MCWA#THS-KITCHEN ISLAND-S-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828013	MCWA#THS-S.GYM-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828014	MCWA#THS-F.H. CONCESSION-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828015	MCWA#THS-WT F. H. DF-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828016	MCWA#THS-WRESTLING-DF-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828017	MCWA#THS-WRESTLING-DF-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828018	MCWA#THS-329-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828019	MCWA#THS-329-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828020	MCWA#THS-332-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828021	MCWA#THS-334-S-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828022	MCWA#THS-334-S-N	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828023	MCWA#THS-336-S-E	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828024	MCWA#THS-336-S-W	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828025	MCWA#THS-338-S-E	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828026	MCWA#THS-340-S-SW	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828027	MCWA#THS-340-S-E	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828028	MCWA#THS-340-S-W	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828029	MCWA#THS-338-S-W	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828030	MCWA#THS-338-BACK-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828031	MCWA#THS-216-S-W	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828032	MCWA#THS-216-DF-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828033	MCWA#THS-216-DF-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828034	MCWA#THS-216-S-PUMP	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

SAMPLE SUMMARY

Workorder: 2185828 R1611470

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2185828035	MCWA#THS-216-S-M	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828036	MCWA#THS-216-S-E	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828037	MCWA#THS-145-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828038	MCWA#THS-FACULTY-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828039	MCWA#THS-MO-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828040	MCWA#THS-248-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828041	MCWA#THS-TRACK CONCESSION-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828042	MCWA#THS-TRUF CONCESSION-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828043	MCWA#THS-251-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828044	MCWA#THS-236-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185828045	MCWA#THS-236-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife
United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York
Mexico: Monterrey

SAMPLE SUMMARY

Workorder: 2185828 R1611470

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828001** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-432-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0097		mg/L	0.0020	EPA 200.8	11/2/16 09:06 MO	11/2/16 12:28 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828002** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-CUSTODIAL-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:06	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828003** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-430-S-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0055		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 11:14 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828004** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-430-S-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0063		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 11:17 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828005** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-428-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.014		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:20	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828006** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-426-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 11:28 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828007** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-NURSE #2-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.014		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 11:30 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828008** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-S-CAFE-DF-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:33	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828009** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-WEST CAFE-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.044		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:36	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828010** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-KITCHEN-S-SE** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.010		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 11:38 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828011** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-KITCHEN ISLAND-S-N** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0033		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:41	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828012** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-KITCHEN ISLAND-S-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0036		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:44	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828013** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-S.GYM-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.012		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 11:52	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828014** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-F.H. CONCESSION-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0029		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 12:00	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828015** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-WT F. H. DF-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 12:03	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828016** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-WRESTLING-DF-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 12:05	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828017** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-WRESTLING-DF-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14	MO	11/2/16 12:08	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828018** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-329-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.70		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:34	ZMC	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828019** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-329-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 12:11 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828020** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-332-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0043		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 12:14 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828021** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-334-S-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0032		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 12:16 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828022** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-334-S-N** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0023		mg/L	0.0020	EPA 200.8	11/2/16 10:14 MO	11/2/16 12:19 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828023** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-336-S-E** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.013		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 12:22 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828024** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-336-S-W** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.015		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 12:35 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828025** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-338-S-E** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.012		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:38	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828026** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-340-S-SW** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.029		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:41	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828027** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-340-S-E** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.20		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:38	ZMC	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828028** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-340-S-W** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.039		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:43	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828029** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-338-S-W** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.012		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 12:46 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828030** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-338-BACK-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.026		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:49	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828031** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-S-W** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 12:52 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828032** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-DF-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:54	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828033** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-DF-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 12:57	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828034** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-S-PUMP** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 13:24	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828035** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-S-M** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0024		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 13:32 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828036** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-216-S-E** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0059		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 13:34	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828037** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-145-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 13:37 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828038** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-FACULTY-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.0065		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 13:40 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828039** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-MO-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.033		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 13:43	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828040** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-248-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.046		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 13:45	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828041** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-TRACK CONCESSION-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0091		mg/L	0.0020	EPA 200.8	11/2/16 10:16	MO	11/2/16 13:48	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828042** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-TRUF CONCESSION-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.012		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 13:56 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828043** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-251-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.013		mg/L	0.0020	EPA 200.8	11/2/16 10:16 MO	11/2/16 13:59 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828044** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-236-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
METALS								
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 12:02 MO	11/2/16 12:50 MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 2185828 R1611470

Lab ID: **2185828045** Date Collected: 10/10/2016 00:00 Matrix: Water
 Sample ID: **MCWA#THS-236-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
METALS										
Lead, Total	0.0033		mg/L	0.0020	EPA 200.8	11/2/16 12:02	MO	11/2/16 13:04	MO	A1



Mr. Brad W Kintzer
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

QUALITY CONTROL DATA

Workorder: 2185828 R1611470

QC Batch: MDIG/60594 **Analysis Method:** EPA 200.8

QC Batch Method: EPA ACIDT

Associated Lab Samples: 2185828002, 2185828003, 2185828004, 2185828005, 2185828006, 2185828007, 2185828008, 2185828009, 2185828010, 2185828011, 2185828012, 2185828013, 2185828014, 2185828015, 2185828016, 2185828017.

METHOD BLANK: 2433513

Parameter	Blank Result	Units	Reporting Limit
Lead, Total	ND	mg/L	0.0020

LABORATORY CONTROL SAMPLE: 2433514

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	93.4	mg/L	.005	0.0047	85 - 115

MATRIX SPIKE: 2433515 DUPLICATE: 2433516 ORIGINAL: 2185828002

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.00178	mg/L	.1	.09844	.1024	96.7	101	70 - 130	3.94	20

MATRIX SPIKE: 2433517 DUPLICATE: 2433518 ORIGINAL: 2185828012

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.00355	mg/L	.1	.10254	.10036	99	96.8	70 - 130	2.15	20

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

QUALITY CONTROL DATA

Workorder: 2185828 R1611470

QC Batch: MDIG/60595 **Analysis Method:** EPA 200.8

QC Batch Method: EPA ACIDT

Associated Lab Samples: 2185828023, 2185828024, 2185828025, 2185828026, 2185828028, 2185828029, 2185828030, 2185828031, 2185828032, 2185828033, 2185828034, 2185828035, 2185828036, 2185828037, 2185828038, 2185828039.

METHOD BLANK: 2433520

Parameter	Blank Result	Units	Reporting Limit
Lead, Total	ND	mg/L	0.0020

LABORATORY CONTROL SAMPLE: 2433521

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	91.9	mg/L	.005	0.0046	85 - 115

MATRIX SPIKE: 2433522 DUPLICATE: 2433523 ORIGINAL: 2185828023

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.01291	mg/L	.1	.11628	.11057	103	97.7	70 - 130	5.04	20

MATRIX SPIKE: 2433524 DUPLICATE: 2433525 ORIGINAL: 2185828034

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.00099	mg/L	.1	.09981	.10338	98.8	102	70 - 130	3.51	20

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

QUALITY CONTROL DATA

Workorder: 2185828 R1611470

QC Batch: MDIG/60597 **Analysis Method:** EPA 200.8

QC Batch Method: EPA ACIDT

Associated Lab Samples: 2185828044, 2185828045

METHOD BLANK: 2433605

Parameter	Blank Result	Units	Reporting Limit
Lead, Total	ND	mg/L	0.0020

LABORATORY CONTROL SAMPLE: 2433606

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	96.1	mg/L	.005	0.0048	85 - 115

MATRIX SPIKE: 2433607 DUPLICATE: 2433608 ORIGINAL: 2185828044

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.01146	mg/L	.1	.11159	.11427	100	103	70 - 130	2.37	20

MATRIX SPIKE: 2433609 DUPLICATE: 2433610 ORIGINAL: 2185831009

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Lead, Total	.08265	mg/L	.1	.18361	.18698	101	104	70 - 130	1.82	20

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

QUALITY CONTROL DATA

Workorder: 2185828 R1611470

QC Batch: MDIG/60620 **Analysis Method:** EPA 200.8

QC Batch Method: EPA TRMD

Associated Lab Samples: 2185828018, 2185828027

METHOD BLANK: 2434100

Parameter	Blank Result	Units	Reporting Limit
Lead, Total	ND	mg/L	0.0010

LABORATORY CONTROL SAMPLE: 2434101

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	99.6	mg/L	.05	0.050	85 - 115

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2185828 R1611470

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2185828001	MCWA#THS-432-S	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185828002	MCWA#THS-CUSTODIAL-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828003	MCWA#THS-430-S-L	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828004	MCWA#THS-430-S-R	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828005	MCWA#THS-428-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828006	MCWA#THS-426-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828007	MCWA#THS-NURSE #2-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828008	MCWA#THS-S-CAFE-DF-L	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828009	MCWA#THS-WEST CAFE-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828010	MCWA#THS-KITCHEN-S-SE	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828011	MCWA#THS-KITCHEN ISLAND-S-N	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828012	MCWA#THS-KITCHEN ISLAND-S-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828013	MCWA#THS-S.GYM-DF	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828014	MCWA#THS-F.H. CONCESSION-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828015	MCWA#THS-WT F. H. DF-R	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828016	MCWA#THS-WRESTLING-DF-R	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828017	MCWA#THS-WRESTLING-DF-L	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828019	MCWA#THS-329-DF	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828020	MCWA#THS-332-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828021	MCWA#THS-334-S-S	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828022	MCWA#THS-334-S-N	EPA ACIDT	MDIG/60594	EPA 200.8	META/54818
2185828023	MCWA#THS-336-S-E	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828024	MCWA#THS-336-S-W	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828025	MCWA#THS-338-S-E	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828026	MCWA#THS-340-S-SW	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828028	MCWA#THS-340-S-W	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828029	MCWA#THS-338-S-W	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828030	MCWA#THS-338-BACK-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818

ALS Environmental Laboratory Locations Across North America
Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

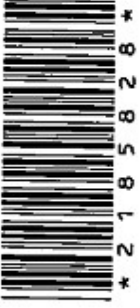
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2185828 R1611470

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2185828031	MCWA#THS-216-S-W	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828032	MCWA#THS-216-DF-L	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828033	MCWA#THS-216-DF-R	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828034	MCWA#THS-216-S-PUMP	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828035	MCWA#THS-216-S-M	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828036	MCWA#THS-216-S-E	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828037	MCWA#THS-145-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828038	MCWA#THS-FACULTY-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828039	MCWA#THS-MO-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828040	MCWA#THS-248-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828041	MCWA#THS-TRACK CONCESSION-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828042	MCWA#THS-TRUF CONCESSION-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828043	MCWA#THS-251-S	EPA ACIDT	MDIG/60595	EPA 200.8	META/54818
2185828044	MCWA#THS-236-S	EPA ACIDT	MDIG/60597	EPA 200.8	META/54820
2185828045	MCWA#THS-236-DF	EPA ACIDT	MDIG/60597	EPA 200.8	META/54820
2185828018	MCWA#THS-329-S	EPA TRMD	MDIG/60620	EPA 200.8	META/54852
2185828027	MCWA#THS-340-S-E	EPA TRMD	MDIG/60620	EPA 200.8	META/54852

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey



Project Number: R1611470
 Project Manager: Lisa Reyes
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID
				Date	Time	
R1611470-001	MCWA# THS-432-S	1	Drinking Water	10/10/16		Middletown ALS
R1611470-002	MCWA# THS-CUSTODIAL-S		Drinking Water	10/10/16		Middletown ALS
R1611470-003	MCWA# THS-430-S-L		Drinking Water	10/10/16		Middletown ALS
R1611470-004	MCWA# THS-430-S-R		Drinking Water	10/10/16		Middletown ALS
R1611470-005	MCWA# THS-428-S		Drinking Water	10/10/16		Middletown ALS
R1611470-006	MCWA# THS-426-S		Drinking Water	10/10/16		Middletown ALS
R1611470-007	MCWA# THS-NURSE #2-S		Drinking Water	10/10/16		Middletown ALS
R1611470-008	MCWA# THS-S-CAFE-DF-L		Drinking Water	10/10/16		Middletown ALS
R1611470-009	MCWA# THS-WEST CAFE-S		Drinking Water	10/10/16		Middletown ALS
R1611470-010	MCWA# THS-KITCHEN-S-SE		Drinking Water	10/10/16		Middletown ALS
R1611470-011	MCWA# THS-KITCHEN Island -S-N		Drinking Water	10/10/16		Middletown ALS
R1611470-012	MCWA# THS-KITCHEN Island -S-S		Drinking Water	10/10/16		Middletown ALS

2008
 11/11/16

Y N Initials Cooler Temp: AY-18 °C
 1 (if present) Seals Intact? Cooler #:
 Received on Ice? Therm ID: H350
 COC/Lbls Complete Ship Carrier: FedEx UPS
 Cont in Good Cond? DHL
 Correct Containers?
 Correct Samp Vol?
 Correct Preservation?
 Headspace/Volatiles?
 Tracking #: 6826 8076 9602

Special Instructions/Comments no EDS due 11/8	Turnaround Requirements <input type="checkbox"/> RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 11/08/16	Report Requirements <input type="checkbox"/> I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDUJ <u> N </u> EDD <u> N </u>	Invoice Information PO# 58R1611470 Bill to _____
	H - Test is On Hold P - Test is Authorized for Prep Only	Relinquished By: <i>John Miller</i> 10/31/16/1633 Received By: <i>[Signature]</i> 11/11/16 09:00 Airbill Number: _____	

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Lisa Reyes

Project Number: R1611470
 Project Manager: Lisa Reyes
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID
				Date	Time	
R1611470-013	MCWA# THS-S.GYM-DF		Drinking Water	10/10/16		Middletown ALS
R1611470-014	MCWA# THS-F.H. <i>See notes</i>		Drinking Water	10/10/16		Middletown ALS
R1611470-015	MCWA# THS-WT F.H. DF-R		Drinking Water	10/10/16		Middletown ALS
R1611470-016	MCWA# THS-WRESTLING-DF-R		Drinking Water	10/10/16		Middletown ALS
R1611470-017	MCWA# THS-WRESTLING-DF-L		Drinking Water	10/10/16		Middletown ALS
R1611470-018	MCWA# THS-329-S		Drinking Water	10/10/16		Middletown ALS
R1611470-019	MCWA# THS-329-DF		Drinking Water	10/10/16		Middletown ALS
R1611470-020	MCWA# THS-332-S		Drinking Water	10/10/16		Middletown ALS
R1611470-021	MCWA# THS-334-S-S		Drinking Water	10/10/16		Middletown ALS
R1611470-022	MCWA# THS-334-S-N		Drinking Water	10/10/16		Middletown ALS
R1611470-023	MCWA# THS-336-S-E		Drinking Water	10/10/16		Middletown ALS
R1611470-024	MCWA# THS-336-S-W		Drinking Water	10/10/16		Middletown ALS

Pb T Und
200.8

Special Instructions/Comments H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements <input type="checkbox"/> RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 11/08/16	Report Requirements <input type="checkbox"/> I. Results Only <input type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/J <u> N </u> EDD <u> N </u>	Invoice Information PO# 58R1611470 Bill to _____
	Relinquished By: <u> Dip </u> 10/13/16/1633 Received By: <u> [Signature] </u> Airbill Number: _____		

ALS Environmental Chain of Custody

1565 Jefferson Rd. Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Lisa Reyes

Project Number: R1611470
 Project Manager: Lisa Reyes
 QAP: LAB QAP

Ph T Und
200.8

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID
				Date	Time	
R1611470-025	MCWA# THS-338-S-E	1	Drinking Water	10/10/16		Middletown ALS
R1611470-026	MCWA# THS-340-S-SW		Drinking Water	10/10/16		Middletown ALS
R1611470-027	MCWA# THS-340-S-E		Drinking Water	10/10/16		Middletown ALS
R1611470-028	MCWA# THS-340-S-W		Drinking Water	10/10/16		Middletown ALS
R1611470-029	MCWA# THS-338-S-W		Drinking Water	10/10/16		Middletown ALS
R1611470-030	MCWA# THS-338 BACK-S		Drinking Water	10/10/16		Middletown ALS
R1611470-031	MCWA# THS-216-S-W		Drinking Water	10/10/16		Middletown ALS
R1611470-032	MCWA# THS-216-DF-L		Drinking Water	10/10/16		Middletown ALS
R1611470-033	MCWA# THS-216-DF-R		Drinking Water	10/10/16		Middletown ALS
R1611470-034	MCWA# THS-216 S-PUMP		Drinking Water	10/10/16		Middletown ALS
R1611470-035	MCWA# THS-216-S-M		Drinking Water	10/10/16		Middletown ALS
R1611470-036	MCWA# THS-216-S-E		Drinking Water	10/10/16		Middletown ALS

Special Instructions/Comments H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 STANDARD Requested FAX Date: _____ Requested Report Date: 11/08/16	Report Requirements I. Results Only _____ II. Results + QC Summaries _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ PQL/MDL/J _____ N _____ EDD _____ N _____
		Invoice Information PO# 58R1611470 Bill to _____

Relinquished By: *[Signature]* 10/31/16/1035 Received By: *[Signature]* Airbill Number: _____

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Lisa Reyes

Project Number: R1611470
 Project Manager: Lisa Reyes
 QAP: LAB QAP

Pb T Und
 200.8

Lab Code	Sample ID	# of Cont.	Matrix	Sample Time		Lab ID
				Date	Time	
R1611470-037	MCWA# THS-145-S	1	Drinking Water	10/10/16		Middletown ALS
R1611470-078	MCWA# THS-FACULTY-S		Drinking Water	10/10/16		Middletown ALS
R1611470-039	MCWA# THS-MO-S		Drinking Water	10/10/16		Middletown ALS
R1611470-040	MCWA# THS-248-S		Drinking Water	10/10/16		Middletown ALS
R1611470-041	MCWA# THS-TRACK Concession-S		Drinking Water	10/10/16		Middletown ALS
R1611470-042	MCWA# THS-TURF Concession-S		Drinking Water	10/10/16		Middletown ALS
R1611470-043	MCWA# THS-251-S		Drinking Water	10/10/16		Middletown ALS
R1611470-044	MCWA# THS-236-S		Drinking Water	10/10/16		Middletown ALS
R1611470-045	MCWA# THS-236-DF		Drinking Water	10/10/16		Middletown ALS

Folder Comments:

MRL U; mail HC invoices to AP

Special Instructions/Comments H - Test is On Hold P - Test is Authorized for Prep Only	Turnaround Requirements RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 STANDARD Requested FAX Date: _____ Requested Report Date: 11/08/16	Report Requirements I. Results Only II. Results + QC Summaries III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data PQL/MDL/ EDD N N	Invoice Information PO# 58R1611470 Bill to
	Relinquished By: <i>Paul Mihal</i> 10/15/16/1633 Received By: <i>[Signature]</i> Airbill Number: _____		