



November 04, 2016

Service Request No:R1611469

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

**Laboratory Results for: WCSD-Spry Middle School**

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 **R1611469**.

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](mailto: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](http://www.alsglobal.com)



**Client:** Monroe County Water Authority  
**Project:** WCSD-Spry Middle School  
**Sample Matrix:** Drinking Water

**Service Request:**R1611469  
**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 three 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](http://www.alsglobal.com)

**Client:** Monroe County Water Authority  
**Project:** WCSD-Spry Middle School

**Service Request:**R1611469

**SAMPLE CROSS-REFERENCE**

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1611469-001	MCWA#SPRY-129-F-L	10/10/2016	
R1611469-002	MCWA#SPRY-129-F-M	10/10/2016	
R1611469-003	MCWA#SPRY-129-F-R	10/10/2016	
R1611469-004	MCWA#SPRY-MO-DF	10/10/2016	
R1611469-005	MCWA#SPRY-Nurse-DF	10/10/2016	
R1611469-006	MCWA#SPRY-224-DF	10/10/2016	
R1611469-007	MCWA#SPRY-131-F-L	10/10/2016	
R1611469-008	MCWA#SPRY-131-F-M	10/10/2016	
R1611469-009	MCWA#SPRY-131-F-R	10/10/2016	
R1611469-010	MCWA#SPRY-Nurse-F-P	10/10/2016	
R1611469-011	MCWA#SPRY-Kitchen-Hand-F	10/10/2016	
R1611469-012	MCWA#SPRY-Kitchen-F-R	10/10/2016	
R1611469-013	MCWA#SPRY-Kitchen-F-L	10/10/2016	
R1611469-014	MCWA#SPRY-ConfA-F	10/10/2016	
R1611469-015	MCWA#SPRY-SPNT-F	10/10/2016	
R1611469-016	MCWA#SPRY-326-F #5	10/10/2016	
R1611469-017	MCWA#SPRY-123-DF	10/10/2016	
R1611469-018	MCWA#SPRY-125-DF	10/10/2016	
R1611469-019	MCWA#SPRY-236-DF-N	10/10/2016	
R1611469-020	MCWA#SPRY-236-DF-S	10/10/2016	
R1611469-021	MCWA#SPRY-W23-DF	10/10/2016	
R1611469-022	MCWA#SPRY-217-F	10/10/2016	
R1611469-023	MCWA#SPRY-244-F	10/10/2016	
R1611469-024	MCWA#SPRY-325-DF	10/10/2016	
R1611469-025	MCWA#SPRY-Conf B-F	10/10/2016	
R1611469-026	MCWA#SPRY-Lib-F	10/10/2016	
R1611469-027	MCWA#SPRY-Cafe-F	10/10/2016	
R1611469-028	MCWA#SPRY-3rd FL Faculty-F	10/10/2016	
R1611469-029	MCWA#SPRY-Finance-DF	10/10/2016	
R1611469-030	MCWA#SPRY-W-Cafe-DF	10/10/2016	
R1611469-031	MCWA#SPRY-W-13-DF	10/10/2016	
R1611469-032	MCWA#SPRY-243-DF-W	10/10/2016	
R1611469-033	MCWA#SPRY-236-F	10/10/2016	
R1611469-034	MCWA#SPRY-215-DF	10/10/2016	
R1611469-035	MCWA#SPRY-243-DF-E	10/10/2016	
R1611469-036	MCWA#SPRY-208-F	10/10/2016	
R1611469-037	MCWA#SPRY-326-F #1	10/10/2016	
R1611469-038	MCWA#SPRY-326-F #2	10/10/2016	
R1611469-039	MCWA#SPRY-326-F #3	10/10/2016	
R1611469-040	MCWA#SPRY-326-F #4	10/10/2016	
R1611469-041	MCWA#SPRY-140-F	10/10/2016	
R1611469-042	MCWA#SPRY-117-F	10/10/2016	

**Client:** Monroe County Water Authority  
**Project:** WCSD-Spry Middle School

**Service Request:**R1611469

**SAMPLE CROSS-REFERENCE**

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1611469-043	MCWA#SPRY-134-F	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#: *WCS D-SPRY Middle 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	250 ml																			
Preservative	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	Enter Number of Containers Per Sample or Field Results Below.	Sample/COC Comments
MCWA# <i>SPRY-129-F-L</i>	<i>10/10/16</i>		G	DW	Pb	
MCWA# <i>SPRY-129-F-M</i>			G	DW	Pb	
MCWA# <i>SPRY-129-F-R</i>			G	DW	Pb	
MCWA# <i>SPRY-MO-DF</i>			G	DW	Pb	
MCWA# <i>SPRY-NURSE-DF</i>			G	DW	Pb	
MCWA# <i>SPRY-224-DF</i>			G	DW	Pb	
MCWA# <i>SPRY-131-F-L</i>			G	DW	Pb	
MCWA# <i>SPRY-131-F-M</i>			G	DW	Pb	
MCWA# <i>SPRY-131-F-R</i>			G	DW	Pb	
MCWA# <i>SPRY-NURSE F-P</i>			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
<i>Dinner Yehl</i>	<i>10/18/16</i>	<i>1340</i>	<i>[Signature] ALS</i>	<i>10/18/16</i>	<i>1340</i>

Data Deliverables:  Standard  
 CLP-like  
 USACE

Special Processing: USACE   
 Navy   NY  
 NJ  
 PA  
 NC  
 Special

Reportable to PADEP? Yes

PWSID: \_\_\_\_\_  
 EDD: \_\_\_\_\_

**R1611469**  
 Monroe County Water Authority  
 WCS D-Spry Middle School

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-S PRY Middle 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	Preservatives
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# SPRY-Kitchen-hand-F	10/10/16		G	DW	Pb										
MCWA# SPRY-Kitchen-F-R			G	DW	Pb										
MCWA# SPRY-Kitchen-F-L			G	DW	Pb										
MCWA# SPRY-CONF A-F			G	DW	Pb										
MCWA# SPRY-SPNT-F			G	DW	Pb										
MCWA# SPRY-326 F # 5			G	DW	Pb										
MCWA# SPRY-123-DF			G	DW	Pb										
MCWA# SPRY-125-DF			G	DW	Pb										
MCWA# SPRY-236 DF-N			G	DW	Pb										
MCWA# SPRY-236-DF-S			G	DW	Pb										

Sample/COC Comments

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

Project Comments: \_\_\_\_\_

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 <i>Diana Yan</i>	10/18	1340	2 <i>JES ALS</i>	10/18	1340
3			4		
5			6		
7			8		
9			10		

LOGGED BY (signature): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

REVIEWED BY (signature): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

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 # \_\_\_\_\_ EDDS: Fo \_\_\_\_\_

**K1611469**  
Monroe County Water Authority  
WCSD-Spry Middle School







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-SPRY Middle 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	250 ml																			
Preservative	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										Sample/COC Comments						
					Enter Number of Containers Per Sample or Field Results Below.																
MCWA# <i>SPRY-W23-DF</i>	<i>10/16/16</i>		G	DW	Pb																
MCWA# <i>SPRY-217-F</i>			G	DW	Pb																
MCWA# <i>SPRY-244-F</i>			G	DW	Pb																
MCWA# <i>SPRY-325-DF</i>			G	DW	Pb																
MCWA# <i>SPRY-CONF B-F</i>			G	DW	Pb																
MCWA# <i>SPRY LIB-F</i>			G	DW	Pb																
MCWA# <i>SPRY-CAFE-F</i>			G	DW	Pb																
MCWA# <i>SPRY-3RD FL FACILITY-F</i>			G	DW	Pb																
MCWA# <i>SPRY-FINANCE-DF</i>			G	DW	Pb																
MCWA# <i>SPRY W-CAFE-DF</i>			G	DW	Pb																

Project Comments:

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

LOGGED BY (signature): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

REVIEWED BY (signature): \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

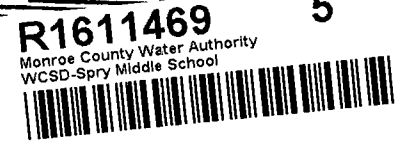
Data Deliverables:  Standard  CLP-like  USACE

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

Reportable to PADEP? Yes

PWSID # \_\_\_\_\_

EDDS # **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 - SPRY Middle 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	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  
 Courier/Tracking #: \_\_\_\_\_

Sample Description/Location (as it will appear on the lab report)	Sample Date	Time	*G or C	**Matrix	ANALYSES/METHOD REQUESTED															
MCWA# <i>SPRY-W-13-DF</i>	<i>10/16/16</i>		G	DW	Pb															
MCWA# <i>SPRY-243-DF-W</i>			G	DW	Pb															
MCWA# <i>SPRY-236-F</i>			G	DW	Pb															
MCWA# <i>SPRY-215-DF</i>			G	DW	Pb															
MCWA# <i>SPRY-243-DF-E</i>			G	DW	Pb															
MCWA# <i>SPRY-208-F</i>			G	DW	Pb															
MCWA# <i>SPRY-326 F#1</i>			G	DW	Pb															
MCWA# <i>SPRY-326 F#2</i>			G	DW	Pb															
MCWA# <i>SPRY-326 F#3</i>			G	DW	Pb															
MCWA# <i>SPRY-326-F #4</i>			G	DW	Pb															

Enter Number of Containers Per Sample or Field Results Below.

Sample/COC Comments  
 ALS Field Services:  Pickup  Labor  
 Composite Sampling  Rental Equipment  
 Other: \_\_\_\_\_

Project Comments:		LOGGED BY (signature):		DATE	TIME
Relinquished By / Company Name		Date	Time	Received By / Company Name	
1	<i>James Yohl</i>	<i>10/18</i>	<i>1340</i>	<i>ALS</i>	<i>10-18 1340</i>
3					
5					
7					
9					

Data Deliverables  
 Standard  
 CLP-like  
 USACE  
 Other: \_\_\_\_\_  
 Reportable to PADEP? Yes   
 PWSID # \_\_\_\_\_  
 EDDS: Fr \_\_\_\_\_

Special Processing  
 USACE   
 Navy   
 Lab   
 Sample Disposal

State Samples Collected In  
 NY  
 NJ  
 PA  
 NC

\* G=Grab; C=Composite \*\* Matrix - AI=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Water  
 ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057  
 10 of 74

**R1611469**  
 Monroe County Water Authority  
 WCSD-Spry Middle School



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#:** WCS D SPRY Middle 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?		
(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# SPRY-140-F	10/10/16		G	DW	Pb															
MCWA# SPRY-117-F			G	DW	Pb															
MCWA# SPRY-134-F			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															
MCWA# _____			G	DW	Pb															

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
	10/18/16	1348	ALS	10/18	1348

Data Deliverables

Standard  
 CLP-like  
 USACE

Special Processing

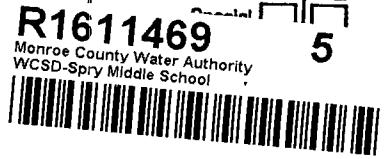
USACE   
 Navy

State Samples Collected In

NY  
 NJ  
 PA  
 NC

Reportable to PADEP? Yes

PWSID # \_\_\_\_\_  
 EDDS: Format \_\_\_\_\_





# Cooler Receipt and Preservation Check Form

R1611469  
Monroe County Water Authority  
WCSD-Spry Middle School

5



Project/Client MCWA 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="checkbox"/>	N <input type="checkbox"/>
2	Custody papers properly completed (ink, signed)?	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>
3	Did all bottles arrive in good condition (unbroken)?	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>
4	Circle: Wet Ice Dry Ice Gel packs present?	Y <input checked="" type="checkbox"/>	N <input type="checkbox"/>

5a	Perchlorate samples have required headspace?	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>
6	Where did the bottles originate?	<u>ALS/BOC</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="checkbox"/>	N <input type="checkbox"/>	Y <input type="checkbox"/>	N <input type="checkbox"/>	Y <input type="checkbox"/>	N <input type="checkbox"/>	Y <input type="checkbox"/>
If <0°C, were samples frozen?	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>	Y <input type="checkbox"/>	N <input checked="" type="checkbox"/>	Y <input type="checkbox"/>

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: 10-31-16 Time: 0958 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

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO <sub>3</sub>		<u>x</u>	<u>none</u>		<u>all</u>	<u>1ml</u>	<u>13DB2615611</u>	<u>&lt;2</u>
≤2	H <sub>2</sub> SO <sub>4</sub>								
<4	NaHSO <sub>4</sub>								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (CN), ascorbic (phenol).					
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	-	-						
	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: [Signature]

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

# 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:** R1611469  
**Project Manager:** Lisa Reyes  
**QAP:** LAB QAP

Pb T UmD  
200.8

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID	
				Date	Time		
<del>R1611469-001</del>	MCWA#SPRY-129-F-L	1	Drinking Water	10/10/16		Middletown ALS	X
R1611469-002	MCWA#SPRY-129-F-M		Drinking Water	10/10/16		Middletown ALS	X
R1611469-003	MCWA#SPRY-129-F-R		Drinking Water	10/10/16		Middletown ALS	X
R1611469-004	MCWA#SPRY-MO-DF		Drinking Water	10/10/16		Middletown ALS	X
R1611469-005	MCWA#SPRY-Nurse-DF		Drinking Water	10/10/16		Middletown ALS	X
R1611469-006	MCWA#SPRY-224-DF		Drinking Water	10/10/16		Middletown ALS	X
R1611469-007	MCWA#SPRY-131-F-L		Drinking Water	10/10/16		Middletown ALS	X
R1611469-008	MCWA#SPRY-131-F-M		Drinking Water	10/10/16		Middletown ALS	X
R1611469-009	MCWA#SPRY-131-F-R		Drinking Water	10/10/16		Middletown ALS	X
R1611469-010	MCWA#SPRY-Nurse-F-P		Drinking Water	10/10/16		Middletown ALS	X
R1611469-011	MCWA#SPRY-Kitchen-Hand-F		Drinking Water	10/10/16		Middletown ALS	X
<del>R1611469-012</del>	MCWA#SPRY-Kitchen-F-R		Drinking Water	10/10/16		Middletown ALS	X

10/31/16

<b>Special Instructions/Comments</b>  H - Test is On Hold      P - Test is Authorized for Prep Only	<b>Turnaround Requirements</b> ___ RUSH (Surcharges Apply) <b>PLEASE CIRCLE WORK DAYS</b> 1   2   3   4   5 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: <u>11/08/16</u> ✓	<b>Report Requirements</b> ___ I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries ___ III. Results + QC and Calibration Summaries ___ IV. Data Validation Report with Raw Data PQL/MDL/J <u>  N  </u> EDD <u>  N  </u>	<b>Invoice Information</b> <hr/> PO# 58R1611469 <hr/> Bill to
---	---	--	--

Relinquished By: Michael 10/31/16/1633

Received By: \_\_\_\_\_

Airbill Number: \_\_\_\_\_



## 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](http://www.alsglobal.com)

## REPORT QUALIFIERS AND DEFINITIONS

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



### Rochester Lab ID # for State Certifications<sup>1</sup>

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

<sup>1</sup> 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](http://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: <b>Metals without J values</b>	Workorder: <b>2185822</b>
Purchase Order:	Workorder ID: <b>R1611469</b>

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.

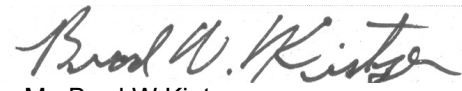
If you have any questions regarding this certificate of analysis, please contact Mr. Brad W Kintzer (Project Coordinator) at (717) 944-5541.

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](http://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: 2185822 R1611469

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2185822001	MCWA#SPRY-129-F-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822002	MCWA#SPRY-129-F-M	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822003	MCWA#SPRY-129-F-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822004	MCWA#SPRY-MO-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822005	MCWA#SPRY-Nurse-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822006	MCWA#SPRY-224-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822007	MCWA#SPRY-131-F-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822008	MCWA#SPRY-131-F-M	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822009	MCWA#SPRY-131-F-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822010	MCWA#SPRY-Nurse-F-P	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822011	MCWA#SPRY-Kitchen-Hand-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822012	MCWA#SPRY-Kitchen-F-R	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822013	MCWA#SPRY-Kitchen-F-L	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822014	MCWA#SPRY-ConfA-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822015	MCWA#SPRY-SPNT-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822016	MCWA#SPRY-326-F-#5	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822017	MCWA#SPRY-123-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822018	MCWA#SPRY-125-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822019	MCWA#SPRY-236-DF-N	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822020	MCWA#SPRY-236-DF-S	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822021	MCWA#SPRY-W23-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822022	MCWA#SPRY-217-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822023	MCWA#SPRY-244-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822024	MCWA#SPRY-325-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822025	MCWA#SPRY-Conf B-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822026	MCWA#SPRY-Lib-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822027	MCWA#SPRY-Cafe-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822028	MCWA#SPRY-3rd FL Faculty-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822029	MCWA#SPRY-Finance-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822030	MCWA#SPRY-W-Cafe-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822031	MCWA#SPRY-W-13-DF	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822032	MCWA#SPRY-243-DF-W	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822033	MCWA#SPRY-236-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822034	MCWA#SPRY-215-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: 2185822 R1611469

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2185822035	MCWA#SPRY-243-DF-E	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822036	MCWA#SPRY-208-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822037	MCWA#SPRY-326-F #1	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822038	MCWA#SPRY-326-F #2	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822039	MCWA#SPRY-326-F #3	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822040	MCWA#SPRY-326-F #4	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822041	MCWA#SPRY-140-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822042	MCWA#SPRY-117-F	Water	10/10/2016 00:00	11/1/2016 09:17	Collected by Client
2185822043	MCWA#SPRY-134-F	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: 2185822 R1611469

---

### 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: 2185822 R1611469

Lab ID: **2185822001** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-129-F-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.070		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:07	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: 2185822 R1611469

Lab ID: **2185822002** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-129-F-M** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.046		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 09:57	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: 2185822 R1611469

Lab ID: **2185822003** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-129-F-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	1.0		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:11	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: 2185822 R1611469

Lab ID: **2185822004** Date Collected: 10/10/2016 00:00 Matrix: Water  
Sample ID: **MCWA#SPRY-MO-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:05	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: 2185822 R1611469

Lab ID: **2185822005** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Nurse-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:07	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: 2185822 R1611469

Lab ID: **2185822006** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-224-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0033		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:10	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: 2185822 R1611469

Lab ID: **2185822007** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-131-F-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.029		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:18	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: 2185822 R1611469

Lab ID: **2185822008** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-131-F-M** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.088		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:15	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: 2185822 R1611469

Lab ID: **2185822009** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-131-F-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.058		mg/L	0.0010	EPA 200.8	11/3/16 09:16	TRR	11/4/16 05:30	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: 2185822 R1611469

Lab ID: **2185822010** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Nurse-F-P** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0040		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:20	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: 2185822 R1611469

Lab ID: **2185822011** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Kitchen-Hand-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0080		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:23 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: 2185822 R1611469

Lab ID: **2185822012** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Kitchen-F-R** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0072		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:26 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: 2185822 R1611469

Lab ID: **2185822013** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Kitchen-F-L** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.012		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:28 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: 2185822 R1611469

Lab ID: **2185822014** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-ConfA-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.018		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:31	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: 2185822 R1611469

Lab ID: **2185822015** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-SPNT-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.064		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:34	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: 2185822 R1611469

Lab ID: **2185822016** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-326-F-#5** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0028		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:42 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: 2185822 R1611469

Lab ID: **2185822017** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-123-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0030		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:50 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: 2185822 R1611469

Lab ID: **2185822018** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-125-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05 MO	11/2/16 10:52 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: 2185822 R1611469

Lab ID: **2185822019** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-236-DF-N** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:55	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: 2185822 R1611469

Lab ID: **2185822020** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-236-DF-S** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 10:58	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: 2185822 R1611469

Lab ID: **2185822021** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-W23-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 11:00	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: 2185822 R1611469

Lab ID: **2185822022** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-217-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 11:03	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: 2185822 R1611469

Lab ID: **2185822023** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-244-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0022		mg/L	0.0020	EPA 200.8	11/2/16 09:05	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: 2185822 R1611469

Lab ID: **2185822024** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-325-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:05	MO	11/2/16 11:08	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: 2185822 R1611469

Lab ID: **2185822025** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Conf B-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0077		mg/L	0.0020	EPA 200.8	11/2/16 09:06 MO	11/2/16 11:11 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: 2185822 R1611469

Lab ID: **2185822026** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Lib-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.0099		mg/L	0.0020	EPA 200.8	11/2/16 09:06 MO	11/2/16 11:24 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: 2185822 R1611469

Lab ID: **2185822027** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Cafe-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0064		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:27	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: 2185822 R1611469

Lab ID: **2185822028** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-3rd FL Faculty-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0041		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:29	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: 2185822 R1611469

Lab ID: **2185822029** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-Finance-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:32	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: 2185822 R1611469

Lab ID: **2185822030** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-W-Cafe-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:35	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: 2185822 R1611469

Lab ID: **2185822031** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-W-13-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:37	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: 2185822 R1611469

Lab ID: **2185822032** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-243-DF-W** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:40	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: 2185822 R1611469

Lab ID: **2185822033** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-236-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0059		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:43	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: 2185822 R1611469

Lab ID: **2185822034** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-215-DF** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:45	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: 2185822 R1611469

Lab ID: **2185822035** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-243-DF-E** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 11:53	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: 2185822 R1611469

Lab ID: **2185822036** Date Collected: 10/10/2016 00:00 Matrix: Water  
Sample ID: **MCWA#SPRY-208-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:01	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: 2185822 R1611469

Lab ID: **2185822037** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-326-F #1** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.023		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:04	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

### ANALYTICAL RESULTS

Workorder: 2185822 R1611469

Lab ID: **2185822038** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-326-F #2** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.032		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:33	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: 2185822 R1611469

Lab ID: **2185822039** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-326-F #3** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.0028		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:09	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: 2185822 R1611469

Lab ID: **2185822040** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-326-F #4** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.011		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:12	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: 2185822 R1611469

Lab ID: **2185822041** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-140-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	ND		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:15	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: 2185822 R1611469

Lab ID: **2185822042** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-117-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
<b>METALS</b>								
Lead, Total	0.014		mg/L	0.0020	EPA 200.8	11/2/16 09:06 MO	11/2/16 12:17 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: 2185822 R1611469

Lab ID: **2185822043** Date Collected: 10/10/2016 00:00 Matrix: Water  
 Sample ID: **MCWA#SPRY-134-F** Date Received: 11/1/2016 09:17

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>METALS</b>										
Lead, Total	0.010		mg/L	0.0020	EPA 200.8	11/2/16 09:06	MO	11/2/16 12:25	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: 2185822 R1611469

**QC Batch:** MDIG/60592 **Analysis Method:** EPA 200.8

**QC Batch Method:** EPA ACIDT

**Associated Lab Samples:** 2185822002, 2185822004, 2185822005, 2185822006, 2185822007, 2185822010, 2185822011, 2185822012, 2185822013, 2185822014, 2185822015, 2185822016, 2185822017, 2185822018, 2185822019, 2185822020.

METHOD BLANK: 2433464

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

LABORATORY CONTROL SAMPLE: 2433465

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	102	mg/L	.005	0.0051	85 - 115

MATRIX SPIKE: 2433466 DUPLICATE: 2433467 ORIGINAL: 2185822002

\*\*\*\*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	.04599	mg/L	.1	.14969	.1549	104	109	70 - 130	3.42	20

MATRIX SPIKE: 2433468 DUPLICATE: 2433469 ORIGINAL: 2185822015

\*\*\*\*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	.06399	mg/L	.1	.1671	.1681	103	104	70 - 130	.59	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: 2185822 R1611469

**QC Batch:** MDIG/60593 **Analysis Method:** EPA 200.8

**QC Batch Method:** EPA ACIDT

**Associated Lab Samples:** 2185822025, 2185822026, 2185822027, 2185822028, 2185822029, 2185822030, 2185822031, 2185822032, 2185822033, 2185822034, 2185822035, 2185822036, 2185822037, 2185822038, 2185822039, 2185822040.

METHOD BLANK: 2433474

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

LABORATORY CONTROL SAMPLE: 2433475

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Lead, Total	98.2	mg/L	.005	0.0049	85 - 115

MATRIX SPIKE: 2433476 DUPLICATE: 2433477 ORIGINAL: 2185822025

\*\*\*\*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	.0077	mg/L	.1	.1231	.11035	115	103	70 - 130	10.9	20

MATRIX SPIKE: 2433478 DUPLICATE: 2433479 ORIGINAL: 2185822035

\*\*\*\*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	.00033	mg/L	.1	.11393	.10708	114	107	70 - 130	6.2	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: 2185822 R1611469

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

**QC Batch Method:** EPA TRMD

**Associated Lab Samples:** 2185822001, 2185822003, 2185822008, 2185822009

**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: 2185822 R1611469

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2185822002	MCWA#SPRY-129-F-M	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822004	MCWA#SPRY-MO-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822005	MCWA#SPRY-Nurse-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822006	MCWA#SPRY-224-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822007	MCWA#SPRY-131-F-L	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822010	MCWA#SPRY-Nurse-F-P	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822011	MCWA#SPRY-Kitchen-Hand-F	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822012	MCWA#SPRY-Kitchen-F-R	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822013	MCWA#SPRY-Kitchen-F-L	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822014	MCWA#SPRY-ConfA-F	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822015	MCWA#SPRY-SPNT-F	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822016	MCWA#SPRY-326-F-#5	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822017	MCWA#SPRY-123-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822018	MCWA#SPRY-125-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822019	MCWA#SPRY-236-DF-N	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822020	MCWA#SPRY-236-DF-S	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822021	MCWA#SPRY-W23-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822022	MCWA#SPRY-217-F	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822023	MCWA#SPRY-244-F	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822024	MCWA#SPRY-325-DF	EPA ACIDT	MDIG/60592	EPA 200.8	META/54816
2185822025	MCWA#SPRY-Conf B-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822026	MCWA#SPRY-Lib-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822027	MCWA#SPRY-Cafe-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822028	MCWA#SPRY-3rd FL Faculty-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822029	MCWA#SPRY-Finance-DF	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822030	MCWA#SPRY-W-Cafe-DF	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822031	MCWA#SPRY-W-13-DF	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822032	MCWA#SPRY-243-DF-W	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822033	MCWA#SPRY-236-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822034	MCWA#SPRY-215-DF	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822035	MCWA#SPRY-243-DF-E	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816

**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: 2185822 R1611469

---

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
2185822036	MCWA#SPRY-208-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822037	MCWA#SPRY-326-F #1	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822038	MCWA#SPRY-326-F #2	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822039	MCWA#SPRY-326-F #3	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822040	MCWA#SPRY-326-F #4	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822041	MCWA#SPRY-140-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822042	MCWA#SPRY-117-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822043	MCWA#SPRY-134-F	EPA ACIDT	MDIG/60593	EPA 200.8	META/54816
2185822001	MCWA#SPRY-129-F-L	EPA TRMD	MDIG/60620	EPA 200.8	META/54852
2185822003	MCWA#SPRY-129-F-R	EPA TRMD	MDIG/60620	EPA 200.8	META/54852
2185822008	MCWA#SPRY-131-F-M	EPA TRMD	MDIG/60620	EPA 200.8	META/54852
2185822009	MCWA#SPRY-131-F-R	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

# ALS Environmental Chain of Custody

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

Project Number: R1611469  
 Project Manager: Lisa Reyes  
 QAP: LAB QAP



Lab Code	Sample ID	# of Cont.	Matrix	Date	Time	Lab ID
<del>R1611469-001</del>	<del>MCWA#SPRY-129-F-L</del>	<del>1</del>	<del>Drinking Water</del>	<del>10/10/16</del>	<del></del>	<del>Middletown ALS</del>
R1611469-002	MCWA#SPRY-129-F-M		Drinking Water	10/10/16		Middletown ALS
R1611469-003	MCWA#SPRY-129-F-R		Drinking Water	10/10/16		Middletown ALS
R1611469-004	MCWA#SPRY-MO-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-005	MCWA#SPRY-Nurse-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-006	MCWA#SPRY-224-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-007	MCWA#SPRY-131-F-L		Drinking Water	10/10/16		Middletown ALS
R1611469-008	MCWA#SPRY-131-F-M		Drinking Water	10/10/16		Middletown ALS
R1611469-009	MCWA#SPRY-131-F-R		Drinking Water	10/10/16		Middletown ALS
R1611469-010	MCWA#SPRY-Nurse-F-P		Drinking Water	10/10/16		Middletown ALS
R1611469-011	MCWA#SPRY-Kitchen-Hand-F		Drinking Water	10/10/16		Middletown ALS
R1611469-012	MCWA#SPRY-Kitchen-F-R		Drinking Water	10/10/16		Middletown ALS

Pb T Und  
200.8

Y M Initials Cooler Temp: AY-18 °C  
 Custody Seals Present? (if present) Seals Intact? Received on Ice? AY-18  
 Cooler #: AY-18  
 COC/Lbls Complete Therm ID: 177352  
 Conti in Good Cond? Ship Carrier: fedEx UPS  
 Correct Containers? DHL  
 Correct Samp Vol? DHL  
 Correct Preservation? DHL  
 Headspace/Volatiles? DHL  
 Tracking #: 682680169624  
 JTW 11/11/15

Special Instructions/Comments	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: <u>11/08/16</u> ✓	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 PQUMDLJ <u>N</u> EDD <u>N</u>	Invoice Information PO# 58R1611469 Bill to _____
HI - Test is On Hold	P - Test is Authorized for Prep Only		

Relinquished By: [Signature] 10/31/16 16:53 Received By: [Signature] 11/16/16 09:17 Airbill Number: \_\_\_\_\_

Project Number: RI1611469  
 Project Manager: Lisa Reyes  
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID
				Date	Time	
<del>RI1611469-013</del>	MCWA#SPRY-Kitchen-F-L	1	Drinking Water	10/10/16		Middletown ALS
RI1611469-014	MCWA#SPRY-ConfA-F		Drinking Water	10/10/16		Middletown ALS
RI1611469-015	MCWA#SPRY-SPNT-F		Drinking Water	10/10/16		Middletown ALS
RI1611469-016	MCWA#SPRY-326-F #5		Drinking Water	10/10/16		Middletown ALS
RI1611469-017	MCWA#SPRY-123-DF		Drinking Water	10/10/16		Middletown ALS
RI1611469-018	MCWA#SPRY-125-DF		Drinking Water	10/10/16		Middletown ALS
RI1611469-019	MCWA#SPRY-236-DF-N		Drinking Water	10/10/16		Middletown ALS
RI1611469-020	MCWA#SPRY-236-DF-S		Drinking Water	10/10/16		Middletown ALS
RI1611469-021	MCWA#SPRY-W23-DF		Drinking Water	10/10/16		Middletown ALS
RI1611469-022	MCWA#SPRY-217-F		Drinking Water	10/10/16		Middletown ALS
RI1611469-023	MCWA#SPRY-244-F		Drinking Water	10/10/16		Middletown ALS
<del>RI1611469-024</del>	MCWA#SPRY-325-DF		Drinking Water	10/10/16		Middletown ALS

Pb T Ltd  
200.8

10/31/16

Special Instructions/Comments	Turnaround Requirements 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 I. Results Only _____ II. Results + QC Summaries <input checked="" type="checkbox"/> III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ PQL/MDL/ EDD <u>  N  </u> <u>  N  </u>	Invoice Information PO# 58R1611469 Bill to _____
H - Test is On Hold P - Test is Authorized for Prep Only			

Relinquished By: *[Signature]* 10/31/16 Received By: *[Signature]* Airbill Number: \_\_\_\_\_  
 Page 2



# 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: R1611469  
 Project Manager: Lisa Reyes  
 QAP: LAB QAP

Lab Code	Sample ID	# of Cont.	Matrix	Sample		Lab ID
				Date	Time	
<del>R1611469-025</del>	MCWA#SPRY-Conf B-F	1	Drinking Water	10/10/16		Middletown ALS
R1611469-026	MCWA#SPRY-Lib-F		Drinking Water	10/10/16		Middletown ALS
R1611469-027	MCWA#SPRY-Cafe-F		Drinking Water	10/10/16		Middletown ALS
R1611469-028	MCWA#SPRY-3rd FL Faculty-F		Drinking Water	10/10/16		Middletown ALS
R1611469-029	MCWA#SPRY-Finance-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-030	MCWA#SPRY-W-Cafe-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-031	MCWA#SPRY-W-13-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-032	MCWA#SPRY-243-DF-W		Drinking Water	10/10/16		Middletown ALS
R1611469-033	MCWA#SPRY-236-F		Drinking Water	10/10/16		Middletown ALS
R1611469-034	MCWA#SPRY-215-DF		Drinking Water	10/10/16		Middletown ALS
R1611469-035	MCWA#SPRY-243-DF - E		Drinking Water	10/10/16		Middletown ALS
<del>R1611469-036</del>	MCWA#SPRY-208-F		Drinking Water	10/10/16		Middletown ALS

Pb T Und  
200.8

LR10/21/16

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 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 11/08/16	Report Requirements I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data PQL/MDL/ EDD <u>N</u> <u>N</u> Bill to	Invoice Information PO# 58R1611469
	Airbill Number: _____		

Received By: *[Signature]*  
 10/31/16 1633

Relinquished By: *[Signature]*  
 10/31/16 1633

Airbill Number: \_\_\_\_\_

Project Number: R1611469  
 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	
<del>R1611469-037</del>	MCWA#SPRY-326-F #1	1	Drinking Water	10/10/16		Middletown ALS
R1611469-038	MCWA#SPRY-326-F #2		Drinking Water	10/10/16		Middletown ALS
R1611469-039	MCWA#SPRY-326-F #3		Drinking Water	10/10/16		Middletown ALS
R1611469-040	MCWA#SPRY-326-F #4		Drinking Water	10/10/16		Middletown ALS
R1611469-041	MCWA#SPRY-140-F		Drinking Water	10/10/16		Middletown ALS
R1611469-042	MCWA#SPRY-117-F		Drinking Water	10/10/16		Middletown ALS
<del>R1611469-043</del>	MCWA#SPRY-134-F		Drinking Water	10/10/16		Middletown ALS

LR 10/31/16

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 <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/MDL/1 <u>N</u> EDD <u>N</u>	Invoice Information PO# 58R1611469 Bill to _____
	Relinquished By: <u>Bill Muel</u> 10/31/16/1633 Received By: <u>[Signature]</u> Airbill Number: _____		