April 25, 2016 Service Request No:R1603684

Mr. Jose Correa
East Rochester Schools
222 Woodbine Ave
East Rochester, NY 14445

Laboratory Results for: Bird/Morgan Lead Testing

Dear Mr.Correa,

Enclosed are the results of the sample(s) submitted to our laboratory April 12, 2016
For your reference, these analyses have been assigned our service request number **R1603684.**

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

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

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Lisa Reyes
Project Manager

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

CASE NARRATIVE

This report contains analytical results for the following samples:

Service Request Number: R1603684

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R1603684-001	Outside M04 WF	4/12/2016	0547
R1603684-002	Morgon Boiler Room Sink	4/12/2016	0548
R1603684-003	Outside A3 WF	4/12/2016	0551
R1603684-004	A5 Cafe Serving Line	4/12/2016	0552
R1603684-005	A3 Cafe Dish Station	4/12/2016	0553
R1603684-006	A3B Food prep Area	4/12/2016	0556
R1603684-007	B10 Sink	4/12/2016	0557
R1603684-008	Outside B10 WF	4/12/2016	0558
R1603684-009	Outside B9 WF	4/12/2016	0559
R1603684-010	B9 Sink	4/12/2016	0600
R1603684-011	B8 Sink	4/12/2016	0603
R1603684-012	B6 Sink	4/12/2016	0604
R1603684-013	A103 Office Sink	4/12/2016	0606
R1603684-014	B102 Sink	4/12/2016	0608
R1603684-015	B114 Sink	4/12/2016	0610
R1603684-016	B104 Sink	4/12/2016	0611
R1603684-017	Outside B115 WF	4/12/2016	0613
R1603684-018	B116 Sink	4/12/2016	0614
R1603684-019	B109 Sink	4/12/2016	0615
R1603684-020	B110 Sink	4/12/2016	0615
R1603684-021	B111 Sink	4/12/2016	0616
R1603684-022	B201 Sink	4/12/2016	0618

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by ALS personnel have been in accordance with “ALS Field Procedures and Measurements Manual” or by client specifications.

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the ñNotesò column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an ñimmediateò hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (Ó100% Difference between two GC columns).
X	See Case Narrative for discussion.
MRL LOQ	Method Reporting Limit. Also known as: Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Certifications[1]

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

[1] Analyses were performed according to our laboratoryôs 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

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.

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	East Rochester Schools	**Service Request:**	R1603684
Project:	Bird/Morgan Lead Testing	**Date Collected:**	04/12/16
Sample Matrix:	Drinking Water	**Date Received:**	04/12/16
Analysis Method:	200.8	**Units:**	ug/L
		Basis:	NA

Lead, Total

Sample Name	Lab Code	Result	MRL	Dil.	Date Analyzed	Q
Outside M04 WF	R1603684-001	1.0 U	1.0	1	04/21/16 19:55	
Morgon Boiler Room Sink	R1603684-002	**5.0**	1.0	1	04/21/16 19:58	
Outside A3 WF	R1603684-003	1.0 U	1.0	1	04/21/16 20:01	
A5 Cafe Serving Line	R1603684-004	1.0 U	1.0	1	04/21/16 20:04	
A3 Cafe Dish Station	R1603684-005	**2.8**	1.0	1	04/21/16 20:08	
A3B Food prep Area	R1603684-006	1.0 U	1.0	1	04/21/16 20:11	
B10 Sink	R1603684-007	**2.0**	1.0	1	04/21/16 20:14	
Outside B10 WF	R1603684-008	1.0 U	1.0	1	04/21/16 20:17	
Outside B9 WF	R1603684-009	1.0 U	1.0	1	04/21/16 20:27	
B9 Sink	R1603684-010	**2.2**	1.0	1	04/21/16 20:31	
B8 Sink	R1603684-011	**29.5**	1.0	1	04/21/16 20:40	
B6 Sink	R1603684-012	**1.3**	1.0	1	04/21/16 20:43	
A103 Office Sink	R1603684-013	**1.0**	1.0	1	04/21/16 20:46	
B102 Sink	R1603684-014	**1.5**	1.0	1	04/21/16 20:49	
B114 Sink	R1603684-015	**8.2**	1.0	1	04/21/16 20:52	
B104 Sink	R1603684-016	**1.2**	1.0	1	04/21/16 20:56	
Outside B115 WF	R1603684-017	1.0 U	1.0	1	04/21/16 21:06	
B116 Sink	R1603684-018	**2.6**	1.0	1	04/21/16 21:09	
B109 Sink	R1603684-019	1.0 U	1.0	1	04/21/16 21:12	
B110 Sink	R1603684-020	1.0 U	1.0	1	04/21/16 21:16	
B111 Sink	R1603684-021	1.0 U	1.0	1	04/21/16 16:47	
B201 Sink	R1603684-022	1.0 U	1.0	1	04/21/16 16:50	
Method Blank	R1603684-MB1	1.0 U	1.0	1	04/21/16 16:12	
Method Blank	R1603684-MB2	1.0 U	1.0	1	04/21/16 19:49	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

37650

ALS Environmental
1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

Project Name: Bird/Morgan Lead Testing
Project Number:
Project Manager: Jose Correa
Report CC:
Company/Address: 108 East Ave East Rochester Schools
East Rochester, NY 14445
Phone #: 585-750-0981
Email:
Sampler's Signature:
Sampler's Printed Name: Kyle Lee

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs ○ 8260 ○ 624 ○ CLP	GC/MS SVOAs ○ 8270 ○ 625	GC VOAs ○ 8021 ○ 601/602	PESTICIDES ○ 8081 ○ 608	PCBs ○ 8082 ○ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	O.W. Lead							REMARKS/ ALTERNATE DESCRIPTION
															4/12/16	1351				~~52~~
Outside M04 W.F.		4/12/16	0547	DW	1								X		0.15 NTU					~~53~~ 52
Morgan Boiler Room Sink			0548		1								X		0.16 NTU					~~54~~ 53
Outside A3 W.F.			0551		1								X		0.11 NTU	KV 4/12				~~55~~ 54
A5 Cafe Serving Line			0552		1								X		0.09 NTU					~~56~~ 55
A3 Cafe dish Station			0553		1								X		0.15 NTU					~~57~~ 56
A3B Food prep Area			0556		1								X		0.10 NTU					~~58~~ 57
B10 Sink			0557		1								X		0.16 NTU					~~59~~ 58
Outside B10 W.F.			0558		1								X		0.25 NTU					59
Outside B9 W.F.			0559		1								X		0.20 NTU					60
B9 Sink			0600		1								X		0.14 NTU					61
B8 Sink			0603		1								X		0.22 NTU					62

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

STATE WHERE SAMPLES WERE COLLECTED

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Daniel Wirc	Signature	Signature	Signature	
Printed Name Kyle Lee	Printed Name ALS	Printed Name	Printed Name	Printed Name	
Firm ALS	Firm 4/12/16 / 1435	Firm	Firm	Firm	
Date/Time 4/12/16 1435	Date/Time	Date/Time	Date/Time	Date/Time	

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East Rochester Schools
East Rochester Schools

Distribution: White - Lab Copy; Yellow - Return to Originator

ALS Environmental

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

37651

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 | +1 585 288 5380 +1 585 288 8475 (fax)

Project Name: Bird/Morgan Lead Testing	Project Number:
Project Manager: Jose Correa	Report CC:
Company/Address: East Rochester Schools 108 East Ave East Rochester, NY 14445	
Phone #: 585-750-0981	Email:
Sampler's Signature:	Sampler's Printed Name: Kyle Lee

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

NUMBER OF CONTAINERS

GC/MS VOAs ◦ 8260 ◦ 624 ◦ CLP | GC/MS SVOAs ◦ 8270 ◦ 625 | GC VOAs ◦ 8021 ◦ 601/602 | PESTICIDES ◦ 8081 ◦ 608 | PCBs ◦ 8082 ◦ 608 | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | D.W. Lead

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

REMARKS/ ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	#	D.W. Lead	REMARKS/ ALTERNATE DESCRIPTION
						4/19/16	1601
B16 Sink		4/12/16	0604	P.W.	1	X	0.07 NTU 63
A103 office Sink			0606		1	X	0.09 NTU 64
B102 Sink			0608		1	X	0.12 NTU 65
B114 Sink			0610		1	X	0.16 NTU 66
B104 Sink			0611		1	X	0.09 NTU 67
outside B115 W.F.			0613		1	X	0.15 NTU 68
B116 Sink			0614		1	X	0.14 NTU 69
B109 Sink			0615		1	X	0.13 NTU 70
B110 Sink			0615		1	X	0.11 NTU 71
B111 Sink			0616		1	X	0.14 NTU 72
B201 Sink			0618		1	X	0.12 NTU 73

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 1 day _____ 2 day _____ 3 day
_____ 4 day _____ 5 day

REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data

Edata ____Yes ____No

INVOICE INFORMATION
PO #
BILL TO:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Daniel Ward	Signature	Signature	Signature	
Printed Name Kyle Lee	Printed Name ALS	Printed Name	Printed Name	Printed Name	
Firm ALS	Firm 4/12/16 / 1435	Firm	Firm	Firm	
Date/Time 4/12/16 1435	Date/Time	Date/Time	Date/Time	Date/Time	

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East Rochester Schools
East Rochester Schools

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

R1603684 5
East Rochester Schools
East Rochester Schools

Project/Client East Rochester Folder Number R16-3684

Cooler received on 4/12/16 by: DW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y N	5a	**Perchlorate** samples have required headspace?	Y N NA
2	**Custody papers** properly completed (ink, signed)?	Y N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: **Wet Ice Dry Ice Gel packs** present?	Y N	7	Soil VOA received as:	Bulk Encore 5035set NA

8. Temperature Readings Date: 4/12/16 Time: 1443 ID: IR#3 IR#5 From: Temp Blank Sample Bottle

Observed Temp (°C)	15.7						
Correction Factor (°C)	+0.0						
Corrected Temp (°C)	15.7						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

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: Rack by DW on 4/12/16 at 1443
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: [signature]

Cooler Breakdown: Date: 4/13/16 Time: 1055 by: DW

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3		✓			-001-7-022	1.0	M708000749	≤2
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**						

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

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 05115-ZAAC
Other Comments:

PC Secondary Review: [signature]

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