



April 1, 2016

Mr. Henry Rodrique
Director of Facilities
Ocean City Public Schools
501 Atlantic Avenue
Ocean City, NJ 08226

RE: Lead in Drinking Water Screening
Ocean City Public Schools
Epic Project Number: 16-1052

Dear Mr. Rodrique:

Epic Environmental Services, LLC recently performed lead in drinking water screening for the Ocean City Public Schools. The purpose of the sampling was to evaluate locations in each school used to provide drinking water for students and staff for the presence of lead. These sources included water fountains and kitchen sinks. Epic performed the sampling on March 31, 2016.

The New Jersey Department of Environmental Protection (NJDEP) action level for lead in drinking water is 15 parts per billion (ppb). If a drinking water outlet contains lead levels at or above the 15 ppb action level, corrective action is required. These actions may include changing plumbing/fixtures or removing the outlet from service.

Random locations were selected in each school. The number of samples collected in each facility is listed below.

| <u>Facility</u> | <u>Sample Locations</u> | <u>Total Samples</u> |
|--------------------------------|-------------------------|----------------------|
| Ocean City High School | 2 | 4 |
| Ocean City Intermediate School | 5 | 10 |
| Ocean City Primary School | 5 | 10 |

Sampling in each school was performed as follows:

- All samples were collected after each location had been idle for at least eight hours. It was assumed the outlets were purged 8-18 hours prior to sampling.
- A "First Draw" sample was collected from each location.
- A "30 Second Draw" sample was collected from each location.
- Samples were analyzed by Graphite Furnace Atomic Absorption (AA), EPA Method 200.9.

No water outlet samples contained lead levels at or above the 3 ppb detection limit. At this time, no corrective actions are recommended.

Sample results are listed on the attached Sample Data Summary Tables.

HEALTH

Epic Environmental Services, LLC
Tele: 856.205.1077

SAFETY

1930 Brown Road
www.epic-env.com

ENVIRONMENT

Newfield, New Jersey 08344
Fax: 856.205.0413

Epic Environmental Services, LLC would be pleased to manage your environmental health & safety programs, and we are confident that our presence will ensure your district's full compliance with the New Jersey & federal regulations. Please feel free to call me at 856-205-1077 should you have any questions.

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Regards,



James Eberts
President
Epic Environmental Services, LLC

HEALTH

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Sample Data Summary

Facility: Ocean City High School
Sampling Date: March 31, 2016

| SAMPLE LOCATION | SAMPLE TIMES 1 ST DRAW / 30 SECOND | LEAD CONCENTRATION 1ST DRAW (ppb) | LEAD CONCENTRATION 30 SECOND (ppb) |
|---------------------------------|--|---|--|
| LEFT WATER FOUNTAIN BY RM A-101 | 0808 / 0809 | <3.0 | <3.0 |
| LEFT WATER FOUNTAIN BY RM A-223 | 0813 / 0814 | <3.0 | <3.0 |

Facility: Ocean City Intermediate School
Sampling Date: March 31, 2016

| SAMPLE LOCATION | SAMPLE TIMES 1 ST DRAW / 30 SECOND | LEAD CONCENTRATION 1ST DRAW (ppb) | LEAD CONCENTRATION 30 SECOND (ppb) |
|--------------------------------------|--|---|--|
| WATER FOUNTAIN, RM 103 | 0736 / 0737 | <3.0 | <3.0 |
| WATER FOUNTAIN BETWEEN RMS 111 & 112 | 0739 / 0740 | <3.0 | <3.0 |
| WATER FOUNTAIN, RM 407 | 0743 / 0744 | <3.0 | <3.0 |
| RIGHT WATER FOUNTAIN BY GYM | 0747 / 0748 | <3.0 | <3.0 |
| WATER FOUNTAIN BY CST CONF ROOM | 0751 / 0752 | <3.0 | <3.0 |

Facility: Ocean City Primary School
Sampling Date: March 31, 2016

| SAMPLE LOCATION | SAMPLE TIMES 1 ST DRAW / 30 SECOND | LEAD CONCENTRATION 1ST DRAW (ppb) | LEAD CONCENTRATION 30 SECOND (ppb) |
|------------------------------------|--|---|--|
| LEFT WATER FOUNTAIN BY CUST CL. 3 | 0707 / 0708 | <3.0 | <3.0 |
| WATER FOUNTAIN, RM 408 | 0711 / 0712 | <3.0 | <3.0 |
| WATER FOUNTAIN, RM 403 | 0715 / 0716 | <3.0 | <3.0 |
| RIGHT WATER FOUNTAIN BY CUST CL. 4 | 0719 / 0720 | <3.0 | <3.0 |
| CAFETERIA WATER FOUNTAIN | 0721 / 0722 | <3.0 | <3.0 |

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Fax: 856.205.0413

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 201603426

CustomerID: EPIC62

CustomerPO:


ProjectID:

Attn: **Jim Eberts**
Epic Environmental Services, LLC
1930 Brown Road
Newfield, NJ 08344

Phone: (856) 205-1077
Fax: (856) 205-0413
Received: 03/31/16 1:00 PM
Collected: 3/31/2016

Project: **Ocean City BOE****Test Report: Lead in Water by Furnace AAS (EPA 200.9)**

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Lead Concentration</i> |
|--|----------------|------------------|-----------------|---------------------------|
| OCPS-01 | 201603426-0001 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Left Water Fountain by Custod. C1.3 | | | | |
| OCPS-02 | 201603426-0002 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Left Water Fountain by Custod. C1.3 | | | | |
| OCPS-03 | 201603426-0003 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Water Fountain Room 408 | | | | |
| OCPS-04 | 201603426-0004 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Water Fountain Room 408 | | | | |
| OCPS-05 | 201603426-0005 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Water Fountain Room 403 | | | | |
| OCPS-06 | 201603426-0006 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Water Fountain Room 403 | | | | |
| OCPS-07 | 201603426-0007 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Right Water Fountain by Custod. C1.4 | | | | |
| OCPS-08 | 201603426-0008 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Right Water Fountain by Custod. C1.4 | | | | |
| OCPS-09 | 201603426-0009 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Cafeteria Water Fountain | | | | |
| OCPS-10 | 201603426-0010 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Primary School Cafeteria Water Fountain | | | | |
| OCIS-01 | 201603426-0011 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Room 103 | | | | |
| OCIS-02 | 201603426-0012 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Room 103 | | | | |
| OCIS-03 | 201603426-0013 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Between Rooms 111 & 112 | | | | |
| OCIS-04 | 201603426-0014 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Between Rooms 111 & 112 | | | | |
| OCIS-05 | 201603426-0015 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Room 407 | | | | |


Phillip Worby, Lead Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NJ-NELAP 03036

Report Amended: 04/08/2016 14:01:12 Replaces the Initial Report 04/08/2016 11:46:47. Reason Code: Data Entry-Change to Sample ID

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 201603426

CustomerID: EPIC62

CustomerPO:

ProjectID:

Attn: **Jim Eberts**
Epic Environmental Services, LLC
1930 Brown Road
Newfield, NJ 08344

Phone: (856) 205-1077
Fax: (856) 205-0413
Received: 03/31/16 1:00 PM
Collected: 3/31/2016

Project: Ocean City BOE

Test Report: Lead in Water by Furnace AAS (EPA 200.9)

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Lead Concentration</i> |
|---|----------------|------------------|-----------------|---------------------------|
| OCIS-06 | 201603426-0016 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain Room 407 | | | | |
| OCIS-07 | 201603426-0017 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Right Water Fountain by Gym | | | | |
| OCIS-08 | 201603426-0018 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Right Water Fountain by Gym | | | | |
| OCIS-09 | 201603426-0019 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain by CST Conf Room | | | | |
| OCIS-10 | 201603426-0020 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: Intermediate School Water Fountain by CST Conf Room | | | | |
| OCHS-01 | 201603426-0021 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: High School Left Water Fountain by Room A 101 | | | | |
| OCHS-02 | 201603426-0022 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: High School Left Water Fountain by Room A 101 | | | | |
| OCHS-03 | 201603426-0023 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: High School Left Water Fountain by Room A 223 | | | | |
| OCHS-04 | 201603426-0024 | 3/31/2016 | 4/7/2016 | <3.0 ppb |
| Site: High School Left Water Fountain by Room A 223 | | | | |

Phillip Worby, Lead Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP unless otherwise noted. This report relates only to those items tested. Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NJ-NELAP 03036

Report Amended: 04/08/2016 14:01:12 Replaces the Initial Report 04/08/2016 11:46:47. Reason Code: Data Entry-Change to Sample ID

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201603426

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

| | | | |
|--|---|---|---------------------|
| Company: <u>Epic Env. Sys.</u> | | EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** | |
| Street: <u>1900 Brown Rd</u> | | Third Party Billing requires written authorization from third party | |
| City: <u>Newfield</u> | State/Province: <u>NJ</u> | Zip/Postal Code: <u>08244</u> | Country: <u>USA</u> |
| Report To (Name): <u>James Ebert</u> | | Telephone #: <u>856-205-1077</u> | |
| Email Address: <u>jebert@epicenviro.com</u> | | Fax #: <u>856-205-0413</u> | Purchase Order: |
| Project Name/Number: <u>Ocean City BOE</u> | | Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email | |
| U.S. State Samples Taken: <u>NJ</u> | | CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt | |
| Turnaround Time (TAT) Options* - Please Check | | | |
| <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week | | | |
| *Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide | | | |
| Matrix | Method | Instrument | Reporting Limit |
| Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input type="checkbox"/> ppm | SW846-7000B | Flame Atomic Absorption | 0.01% |
| Air | NIOSH 7082 | Flame Atomic Absorption | 4 µg/filter |
| | NIOSH 7105 | Graphite Furnace AA | 0.03 µg/filter |
| | NIOSH 7300 modified | ICP-AES/ICP-MS | 0.5 µg/filter |
| Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *If no box is checked, non-ASTM Wipe is assumed | SW846-7000B | Flame Atomic Absorption | 10 µg/wipe |
| | SW846-6010B or C | ICP-AES | 1.0 µg/wipe |
| TCLP | SW846-1311/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) |
| | SW846-1131/SW846-6010B or C | ICP-AES | 0.1 mg/L (ppm) |
| Soil | SW846-7000B | Flame Atomic Absorption | 40 mg/kg (ppm) |
| | SW846-6010B or C | ICP-AES | 2 mg/kg (ppm) |
| Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | SM3111B/SW846-7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) |
| | EPA 200.7 | ICP-AES | 0.020 mg/L (ppm) |
| Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input checked="" type="checkbox"/> | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) |
| | EPA 200.8 | ICP-MS | 0.001 mg/L (ppm) |
| TSP/SPM Filter | 40 CFR Part 50 (2013) | ICP-MS | 1.2 µg/filter |
| Other: | | | |
| Name of Sampler: <u>James Ebert</u> | | Signature of Sampler: <u>James Ebert</u> | |
| Sample # | Location | Volume/Area | Date/Time Sampled |
| 1 DCPS-01 | Primary School Left water fountain by class | 250 mL | 3/31/16 0707 |
| 2 DCPS-02 | ↓ | ↓ | 0708 |
| 3 DCPS-03 | WF Rm 408 | ↓ | 0711 |
| 4 DCPS-04 | ↓ | ↓ | 0712 |
| 5 DCPS-05 | WF Rm 403 | ↓ | |
| Client Sample #'s <u>DCPS-01 → DCPS-04</u> | | Total # of Samples: <u>24</u> | |
| Relinquished (Client): <u>James Ebert</u> | Date: <u>3/31/16</u> | Time: <u>1227</u> | |
| Received (Lab): <u>DLB/MK</u> | Date: <u>3/31/16</u> | Time: <u>1pm</u> | <u>WL</u> |
| Comments: <u>WF = water fountain ph arrived c2 3:00pm 3/31/16</u> | | | |



LEAD (Pb) CHAIN OF CUSTODY **EMSL ORDER ID (Lab Use Only):**

201603426

EMSL ANALYTICAL, INC.
 200 ROUTE 130 NORTH
 CINNAMINSON, NJ 08077
 PHONE: (800) 220-3675
 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

| Sample # | Location | Volume/Area | Date/Time Sampled |
|---|---|-------------|-------------------|
| 6 ACPS-06 | Primary School Left WF by Rm 403 WF Rm 403 | 250 mL | 3/31/16 0716 |
| 7 ACPS-07 | Right WF by Cust Cl. 4 | | 0719 |
| 8 ACPS-08 | | | 0720 |
| 9 ACPS-09 | Cafeteria WF | | 0721 |
| 10 ACPS-10 | | | 0722 |
| 11 OCTS-01 | Intermediate school WF Rm 103 | | 0736 |
| 12 OCTS-02 | | | 0737 |
| 13 OCTS-03 | WF between Rms 111 & 112 | | 0739 |
| 14 OCTS-04 | | | 0740 |
| 15 OCTS-05 | WF Rm 407 | | 0743 |
| 16 OCTS-06 | | | 0744 |
| 17 OCTS-07 | RT WF by Gym | | 0747 |
| 18 OCTS-08 | | | 0748 |
| 19 OCTS-09 | WF by CST Conf Rm | | 0751 |
| 20 OCTS-10 | | | 0752 |
| 21 OCHS-01 | High School Left WF by Rm A101 | | 0808 |
| 22 OCHS-02 | | | 0809 |
| 23 OCHS-03 | Left WF by Rm A223 | | 0813 |
| 24 OCHS-04 | | | 0814 |
| Comments/Special Instructions: See Page 1 WF = Water Fountain | | | |

State of New Jersey
Department of Environmental Protection
Certifies That

EMSL Analytical Inc
Laboratory Certification ID # 03036

is hereby approved as a
Nationally Accredited Environmental Laboratory
to perform the analyses as indicated on the Annual Certified Parameter List
which must accompany this certificate to be valid

having duly met the requirements of the
Regulations Governing the Certification of
Laboratories and Environmental Measurements N.J.A.C. 7:18 et. seq.
and
having been found compliant with the 2009 TNI Standard approved by the
The NELAC Institute

Expires June 30, 2016

Michael M. Poth for file

Joseph F. Aiello
Assistant Director



NJDEP is a NELAP Recognized Accreditation Body

This certificate is to be continuously displayed at the laboratory with the annual certified parameter list in a location on the premises visible to the public. Consumers are urged to verify the laboratory's current accreditation status with the State of NJ, NJDEP.

New Jersey Department of Environmental Protection
National Environmental Laboratory Accreditation Program
ANNUAL CERTIFIED PARAMETER LIST AND CURRENT STATUS
 Effective as of 02/02/2016 until 06/30/2016

Laboratory Name: EMSL ANALYTICAL INC Laboratory Number: 03036 Activity ID: NLC150006
 200 RT 130 NORTH
 Chatham, NJ 08077

Category: DW06 - Metals

| Eligible to Report | | Matrix | | Technique Description | | Approved Method | | Parameter Description | |
|--------------------|---------|--------|------------|-----------------------|-----------------------|-----------------|-----------------------|-----------------------|--|
| Status | NJ Data | State | Code | Matrix | Technique Description | Approved Method | Parameter Description | | |
| Applied | No | NJ | DW06.00240 | DW | Ion Chromatography | [EPA 218.6] | Chromium (VI) | | |
| Certified | Yes | NJ | DW06.00360 | DW | AA, Platform Furnace | [EPA 200.9] | Lead | | |
| Certified | Yes | NJ | DW06.00480 | DW | Manual Cold Vapor | [EPA 245.1] | Mercury | | |
| Certified | Yes | NJ | DW06.00490 | DW | Manual Cold Vapor | [SM 3112 B] | Mercury | | |

Category: DW07 - Metals - ICP, ICP/MS and DCP

| Eligible to Report | | Matrix | | Technique Description | | Approved Method | | Parameter Description | |
|--------------------|---------|--------|------------|-----------------------|-----------------------|-----------------|-----------------------|-----------------------|--|
| Status | NJ Data | State | Code | Matrix | Technique Description | Approved Method | Parameter Description | | |
| Certified | Yes | NJ | DW07.00001 | DW | ICP | [EPA 200.7] | Aluminum | | |
| Certified | Yes | NJ | DW07.00010 | DW | ICP | [SM 3120 B] | Aluminum | | |
| Certified | Yes | NJ | DW07.00020 | DW | ICP/MS | [EPA 200.8] | Aluminum | | |
| Certified | Yes | NJ | DW07.00050 | DW | ICP/MS | [EPA 200.8] | Antimony | | |
| Certified | Yes | NJ | DW07.00070 | DW | ICP/MS | [EPA 200.8] | Arsenic | | |
| Certified | Yes | NJ | DW07.00080 | DW | ICP | [EPA 200.7] | Barium | | |
| Certified | Yes | NJ | DW07.00090 | DW | ICP | [SM 3120 B] | Barium | | |
| Certified | Yes | NJ | DW07.00110 | DW | ICP/MS | [EPA 200.8] | Barium | | |
| Applied | No | NJ | DW07.00120 | DW | ICP | [EPA 200.7] | Beryllium | | |
| Certified | Yes | NJ | DW07.00150 | DW | ICP/MS | [EPA 200.8] | Beryllium | | |
| Certified | Yes | NJ | DW07.00170 | DW | ICP | [EPA 200.7] | Beryllium | | |
| Certified | Yes | NJ | DW07.00190 | DW | ICP/MS | [EPA 200.8] | Cadmium | | |
| Certified | Yes | NJ | DW07.00200 | DW | ICP | [EPA 200.7] | Cadmium | | |
| Certified | Yes | NJ | DW07.00230 | DW | Ca as Carbonate | [EPA 200.7] | Calcium | | |
| Certified | Yes | NJ | DW07.00240 | DW | ICP | [EPA 200.7] | Calcium-hardness | | |
| Certified | Yes | NJ | DW07.00250 | DW | ICP | [EPA 200.7] | Chromium | | |
| Certified | Yes | NJ | DW07.00270 | DW | ICP/MS | [SM 3120 B] | Chromium | | |
| Certified | Yes | NJ | DW07.00300 | DW | ICP | [EPA 200.8] | Chromium | | |
| Certified | Yes | NJ | DW07.00330 | DW | ICP/MS | [EPA 200.7] | Copper | | |
| Certified | Yes | NJ | DW07.00340 | DW | ICP | [EPA 200.8] | Copper | | |
| Certified | Yes | NJ | DW07.00350 | DW | ICP | [EPA 200.7] | Iron | | |
| Certified | Yes | NJ | DW07.00380 | DW | ICP/MS | [SM 3120 B] | Iron | | |
| Certified | Yes | NJ | DW07.00390 | DW | ICP/MS | [EPA 200.8] | Lead | | |

KEY: AB = Air and Emissons, BT = Biological Tissues, DW = Drinking Water, NPW = Non-Potable Water, SCM = Solid and Chemical Materials