



**United States Environmental Protection Agency
Region 9 Laboratory**

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: 2/24/2016

Subject: Analytical Testing Results - Project R16E02
SDG: 16036A

From: Duane James, Acting Director
EPA Region 9 Laboratory
MTS-2

To: Molly Smith
EPA Region 5 Air and Radiation Division
R5 - ARD

Attached are the results from the analysis of samples from the **L'Anse Warden Electric Company Investigation** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Sabrina Argentieri, EPA Region 5 ORC
Michael Compher, Air and Radiation Div.

Analyses included in this report:

Metals by ICP



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

| | | |
|---|--|---------------------------------|
| Project Manager: Molly Smith | EPA Region 5 Air and Radiation Division | SDG: 16036A |
| Project Number: R16E02 | 77 West Jackson Blvd, AE-17J | Reported: 02/24/16 15:32 |
| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Collected | Date Received |
|-----------|---------------|--------|----------------|----------------|
| L-1M | 1602005-01 | Wipe | 02/01/16 13:55 | 02/05/16 09:30 |
| L-2M | 1602005-02 | Wipe | 02/01/16 14:10 | 02/05/16 09:30 |
| L-3M | 1602005-03 | Wipe | 02/01/16 15:40 | 02/05/16 09:30 |
| L-4M | 1602005-04 | Wipe | 02/01/16 15:50 | 02/05/16 09:30 |
| L-5M | 1602005-05 | Wipe | 02/01/16 16:15 | 02/05/16 09:30 |

SDG ID 16036A

Work Order(s)

1602005



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| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---------|----------------------|--------|-----------------------|--------------------|-------|-------|----------|----------|--------|
|---------|----------------------|--------|-----------------------|--------------------|-------|-------|----------|----------|--------|

Lab ID: 1602005-01 **Wipe - Sampled: 02/01/16 13:55**

Sample ID: L-1M **Metals by EPA 6000/7000 Series Methods**

| | | | | | | | | | |
|-----------|--|---------|-------|---------|---------|---------|----------|----------|-------|
| Aluminum | | 0.75 | | 0.05 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Antimony | | 0.002 | C1, J | 0.005 | " | " | " | " | 6010C |
| Arsenic | | 0.005 | C1, J | 0.01 | " | " | " | " | 6010C |
| Barium | | 0.03 | | 0.003 | " | " | " | " | 6010C |
| Beryllium | | 0.00003 | C1, J | 0.00005 | " | " | " | " | 6010C |
| Cadmium | | 0.006 | | 0.0003 | " | " | " | " | 6010C |
| Calcium | | 1.5 | | 0.10 | " | " | " | " | 6010C |
| Chromium | | 0.004 | | 0.0005 | " | " | " | " | 6010C |
| Cobalt | | 0.002 | | 0.001 | " | " | " | " | 6010C |
| Copper | | 0.02 | | 0.002 | " | " | " | " | 6010C |
| Iron | | 3.3 | | 0.05 | " | " | " | " | 6010C |
| Lead | | 0.01 | | 0.002 | " | " | " | " | 6010C |
| Magnesium | | 0.74 | | 0.03 | " | " | " | " | 6010C |
| Manganese | | 0.12 | | 0.003 | " | " | " | " | 6010C |
| Nickel | | 0.003 | | 0.003 | " | " | " | " | 6010C |
| Potassium | | 0.32 | | 0.30 | " | " | " | " | 6010C |
| Selenium | | ND | U | 0.01 | " | " | " | " | 6010C |
| Silver | | ND | U | 0.001 | " | " | " | " | 6010C |
| Sodium | | 0.39 | | 0.30 | " | " | " | " | 6010C |
| Thallium | | ND | U | 0.005 | " | " | " | " | 6010C |
| Vanadium | | 0.002 | | 0.001 | " | " | " | " | 6010C |
| Zinc | | 0.37 | | 0.004 | " | " | " | " | 6010C |

Lab ID: 1602005-02 **Wipe - Sampled: 02/01/16 14:10**

Sample ID: L-2M **Metals by EPA 6000/7000 Series Methods**

| | | | | | | | | | |
|-----------|--|-------|-------|---------|---------|---------|----------|----------|-------|
| Aluminum | | 0.07 | | 0.05 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Antimony | | 0.002 | C1, J | 0.005 | " | " | " | " | 6010C |
| Arsenic | | ND | U | 0.01 | " | " | " | " | 6010C |
| Barium | | 0.003 | | 0.003 | " | " | " | " | 6010C |
| Beryllium | | ND | U | 0.00005 | " | " | " | " | 6010C |
| Cadmium | | ND | U | 0.0003 | " | " | " | " | 6010C |
| Calcium | | 0.47 | | 0.10 | " | " | " | " | 6010C |
| Chromium | | 0.001 | | 0.0005 | " | " | " | " | 6010C |
| Cobalt | | ND | U | 0.001 | " | " | " | " | 6010C |
| Copper | | 0.004 | | 0.002 | " | " | " | " | 6010C |
| Iron | | 0.78 | | 0.05 | " | " | " | " | 6010C |
| Lead | | 0.001 | C1, J | 0.002 | " | " | " | " | 6010C |
| Magnesium | | 0.26 | | 0.03 | " | " | " | " | 6010C |
| Manganese | | 0.01 | | 0.003 | " | " | " | " | 6010C |
| Nickel | | ND | U | 0.003 | " | " | " | " | 6010C |



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| Project Manager: Molly Smith | EPA Region 5 Air and Radiation Division | SDG: 16036A |
| Project Number: R16E02 | 77 West Jackson Blvd, AE-17J | Reported: 02/24/16 15:32 |
| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|---------|----------------------|--------|-----------------------|--------------------|-------|-------|----------|----------|--------|
|---------|----------------------|--------|-----------------------|--------------------|-------|-------|----------|----------|--------|

Lab ID: 1602005-02 **Wipe - Sampled: 02/01/16 14:10**

Sample ID: L-2M **Metals by EPA 6000/7000 Series Methods**

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|-----------|--------|-----------------------|--------------------|---------|---------|----------|----------|--------|
| Potassium | ND | U | 0.30 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Selenium | ND | U | 0.01 | " | " | " | " | 6010C |
| Silver | ND | U | 0.001 | " | " | " | " | 6010C |
| Sodium | 0.41 | | 0.30 | " | " | " | " | 6010C |
| Thallium | ND | U | 0.005 | " | " | " | " | 6010C |
| Vanadium | ND | U | 0.001 | " | " | " | " | 6010C |
| Zinc | 0.26 | | 0.004 | " | " | " | " | 6010C |

Lab ID: 1602005-03 **Wipe - Sampled: 02/01/16 15:40**

Sample ID: L-3M **Metals by EPA 6000/7000 Series Methods**

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|-----------|--------|-----------------------|--------------------|---------|---------|----------|----------|--------|
| Aluminum | 0.04 | C1, J | 0.05 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Antimony | ND | U | 0.005 | " | " | " | " | 6010C |
| Arsenic | ND | U | 0.01 | " | " | " | " | 6010C |
| Barium | ND | U | 0.003 | " | " | " | " | 6010C |
| Beryllium | ND | U | 0.00005 | " | " | " | " | 6010C |
| Cadmium | ND | U | 0.0003 | " | " | " | " | 6010C |
| Calcium | 0.17 | | 0.10 | " | " | " | " | 6010C |
| Chromium | 0.0003 | C1, J | 0.0005 | " | " | " | " | 6010C |
| Cobalt | ND | U | 0.001 | " | " | " | " | 6010C |
| Copper | 0.001 | C1, J | 0.002 | " | " | " | " | 6010C |
| Iron | 0.13 | | 0.05 | " | " | " | " | 6010C |
| Lead | ND | U | 0.002 | " | " | " | " | 6010C |
| Magnesium | 0.17 | | 0.03 | " | " | " | " | 6010C |
| Manganese | 0.002 | C1, J | 0.003 | " | " | " | " | 6010C |
| Nickel | ND | U | 0.003 | " | " | " | " | 6010C |
| Potassium | ND | U | 0.30 | " | " | " | " | 6010C |
| Selenium | ND | U | 0.01 | " | " | " | " | 6010C |
| Silver | ND | U | 0.001 | " | " | " | " | 6010C |
| Sodium | 0.39 | | 0.30 | " | " | " | " | 6010C |
| Thallium | ND | U | 0.005 | " | " | " | " | 6010C |
| Vanadium | ND | U | 0.001 | " | " | " | " | 6010C |
| Zinc | 0.14 | | 0.004 | " | " | " | " | 6010C |

Lab ID: 1602005-04 **Wipe - Sampled: 02/01/16 15:50**

Sample ID: L-4M **Metals by EPA 6000/7000 Series Methods**

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|-----------|--------|-----------------------|--------------------|---------|---------|----------|----------|--------|
| Aluminum | ND | U | 0.05 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Antimony | ND | U | 0.005 | " | " | " | " | 6010C |
| Arsenic | ND | U | 0.01 | " | " | " | " | 6010C |
| Barium | ND | U | 0.003 | " | " | " | " | 6010C |
| Beryllium | ND | U | 0.00005 | " | " | " | " | 6010C |



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| Project Number: R16E02 | 77 West Jackson Blvd, AE-17J | Reported: 02/24/16 15:32 |
| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|-------------------|-------------------------|--------|--------------------------|-----------------------|---------|---------|----------|---|--------|
| Lab ID: | 1602005-04 | | | | | | | Wipe - Sampled: 02/01/16 15:50 | |
| Sample ID: | L-4M | | | | | | | Metals by EPA 6000/7000 Series Methods | |
| Cadmium | | ND | U | 0.0003 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Calcium | | 0.09 | C1, J | 0.10 | " | " | " | " | 6010C |
| Chromium | | ND | U | 0.0005 | " | " | " | " | 6010C |
| Cobalt | | ND | U | 0.001 | " | " | " | " | 6010C |
| Copper | | 0.001 | C1, J | 0.002 | " | " | " | " | 6010C |
| Iron | | ND | U | 0.05 | " | " | " | " | 6010C |
| Lead | | ND | U | 0.002 | " | " | " | " | 6010C |
| Magnesium | | 0.16 | | 0.03 | " | " | " | " | 6010C |
| Manganese | | ND | U | 0.003 | " | " | " | " | 6010C |
| Nickel | | ND | U | 0.003 | " | " | " | " | 6010C |
| Potassium | | ND | U | 0.30 | " | " | " | " | 6010C |
| Selenium | | ND | U | 0.01 | " | " | " | " | 6010C |
| Silver | | ND | U | 0.001 | " | " | " | " | 6010C |
| Sodium | | 0.37 | | 0.30 | " | " | " | " | 6010C |
| Thallium | | ND | U | 0.005 | " | " | " | " | 6010C |
| Vanadium | | ND | U | 0.001 | " | " | " | " | 6010C |
| Zinc | | 0.13 | | 0.004 | " | " | " | " | 6010C |

| | | | | | | | | | |
|-------------------|-------------------|-------|-------|---------|---------|---------|----------|---|-------|
| Lab ID: | 1602005-05 | | | | | | | Wipe - Sampled: 02/01/16 16:15 | |
| Sample ID: | L-5M | | | | | | | Metals by EPA 6000/7000 Series Methods | |
| Aluminum | | ND | U | 0.05 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Antimony | | ND | U | 0.005 | " | " | " | " | 6010C |
| Arsenic | | ND | U | 0.01 | " | " | " | " | 6010C |
| Barium | | ND | U | 0.003 | " | " | " | " | 6010C |
| Beryllium | | ND | U | 0.00005 | " | " | " | " | 6010C |
| Cadmium | | ND | U | 0.0003 | " | " | " | " | 6010C |
| Calcium | | 0.08 | C1, J | 0.10 | " | " | " | " | 6010C |
| Chromium | | ND | U | 0.0005 | " | " | " | " | 6010C |
| Cobalt | | ND | U | 0.001 | " | " | " | " | 6010C |
| Copper | | 0.001 | C1, J | 0.002 | " | " | " | " | 6010C |
| Iron | | 0.02 | C1, J | 0.05 | " | " | " | " | 6010C |
| Lead | | ND | U | 0.002 | " | " | " | " | 6010C |
| Magnesium | | 0.16 | | 0.03 | " | " | " | " | 6010C |
| Manganese | | ND | U | 0.003 | " | " | " | " | 6010C |
| Nickel | | ND | U | 0.003 | " | " | " | " | 6010C |
| Potassium | | ND | U | 0.30 | " | " | " | " | 6010C |
| Selenium | | ND | U | 0.01 | " | " | " | " | 6010C |
| Silver | | ND | U | 0.001 | " | " | " | " | 6010C |



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| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Sample Results

| Analyte | Reanalysis / Extract | Result | Qualifiers / Comments | Quantitation Limit | Units | Batch | Prepared | Analyzed | Method |
|-------------------|-------------------------|--------|--------------------------|-----------------------|---------|---------|----------|----------|---|
| Lab ID: | 1602005-05 | | | | | | | | Wipe - Sampled: 02/01/16 16:15 |
| Sample ID: | L-5M | | | | | | | | Metals by EPA 6000/7000 Series Methods |
| Sodium | | 0.38 | | 0.30 | mg/Wipe | B16B101 | 02/19/16 | 02/19/16 | 6010C |
| Thallium | | ND | U | 0.005 | " | " | " | " | 6010C |
| Vanadium | | ND | U | 0.001 | " | " | " | " | 6010C |
| Zinc | | 0.14 | | 0.004 | " | " | " | " | 6010C |



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| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Quality Control

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|--------|-----------------------|--------------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|--------|-----------------------|--------------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch B16B101 - 3050B Sid Acid Dig - Metals by 6010

Prepared & Analyzed: 02/19/16

Metals by EPA 6000/7000 Series Methods - Quality Control

Blank (B16B101-BLK1)

| | | | | | | | | | | |
|-----------|----|---|---------|---------|--|--|--|--|--|--|
| Aluminum | ND | U | 0.05 | mg/Wipe | | | | | | |
| Antimony | ND | U | 0.005 | " | | | | | | |
| Arsenic | ND | U | 0.01 | " | | | | | | |
| Barium | ND | U | 0.003 | " | | | | | | |
| Beryllium | ND | U | 0.00005 | " | | | | | | |
| Cadmium | ND | U | 0.0003 | " | | | | | | |
| Calcium | ND | U | 0.1 | " | | | | | | |
| Chromium | ND | U | 0.0005 | " | | | | | | |
| Cobalt | ND | U | 0.001 | " | | | | | | |
| Copper | ND | U | 0.002 | " | | | | | | |
| Iron | ND | U | 0.05 | " | | | | | | |
| Lead | ND | U | 0.002 | " | | | | | | |
| Magnesium | ND | U | 0.03 | " | | | | | | |
| Manganese | ND | U | 0.003 | " | | | | | | |
| Nickel | ND | U | 0.003 | " | | | | | | |
| Potassium | ND | U | 0.3 | " | | | | | | |
| Selenium | ND | U | 0.01 | " | | | | | | |
| Silver | ND | U | 0.001 | " | | | | | | |
| Sodium | ND | U | 0.3 | " | | | | | | |
| Thallium | ND | U | 0.005 | " | | | | | | |
| Vanadium | ND | U | 0.001 | " | | | | | | |
| Zinc | ND | U | 0.004 | " | | | | | | |

LCS (B16B101-BS1)

| | | | | | | | | | | |
|-----------|-------|--|---------|---------|--------|--|-----|--------|-----|--|
| Aluminum | 0.412 | | 0.05 | mg/Wipe | 0.400 | | 103 | 80-120 | 200 | |
| Antimony | 0.11 | | 0.005 | " | 0.100 | | 110 | 80-120 | 200 | |
| Arsenic | 0.421 | | 0.01 | " | 0.400 | | 105 | 80-120 | 200 | |
| Barium | 0.426 | | 0.003 | " | 0.400 | | 106 | 80-120 | 200 | |
| Beryllium | 0.01 | | 0.00005 | " | 0.0100 | | 103 | 80-120 | 200 | |
| Cadmium | 0.01 | | 0.0003 | " | 0.0100 | | 101 | 80-120 | 200 | |
| Calcium | 1.97 | | 0.1 | " | 2.00 | | 98 | 80-120 | 200 | |
| Chromium | 0.042 | | 0.0005 | " | 0.0400 | | 106 | 80-120 | 200 | |
| Cobalt | 0.097 | | 0.001 | " | 0.100 | | 97 | 80-120 | 200 | |
| Copper | 0.047 | | 0.002 | " | 0.0500 | | 94 | 80-120 | 200 | |
| Iron | 0.195 | | 0.05 | " | 0.200 | | 97 | 80-120 | 200 | |
| Lead | 0.098 | | 0.002 | " | 0.100 | | 98 | 80-120 | 200 | |
| Magnesium | 1.82 | | 0.03 | " | 2.00 | | 91 | 80-120 | 200 | |
| Manganese | 0.098 | | 0.003 | " | 0.100 | | 98 | 80-120 | 200 | |
| Nickel | 0.1 | | 0.003 | " | 0.100 | | 100 | 80-120 | 200 | |
| Potassium | 1.97 | | 0.3 | " | 2.00 | | 99 | 80-120 | 200 | |
| Selenium | 0.418 | | 0.01 | " | 0.400 | | 105 | 80-120 | 200 | |
| Silver | 0.01 | | 0.001 | " | 0.0100 | | 101 | 80-120 | 200 | |



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| Project: L'Anse Warden Electric Company Investigation | Chicago IL, 60604-3507 | |

Quality Control

| Analyte | Result | Qualifiers / Comments | Quantitation Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---------|--------|-----------------------|--------------------|-------|-------------|---------------|------|-------------|-----|-----------|
|---------|--------|-----------------------|--------------------|-------|-------------|---------------|------|-------------|-----|-----------|

Batch B16B101 - 3050B Sld Acid Dig - Metals by 6010

Prepared & Analyzed: 02/19/16

Metals by EPA 6000/7000 Series Methods - Quality Control

LCS (B16B101-BS1)

| | | | | | | | | | | |
|----------|-------|--|-------|---|-------|--|-----|--------|--|-----|
| Sodium | 1.83 | | 0.3 | " | 2.00 | | 92 | 80-120 | | 200 |
| Thallium | 0.39 | | 0.005 | " | 0.400 | | 98 | 80-120 | | 200 |
| Vanadium | 0.108 | | 0.001 | " | 0.100 | | 108 | 80-120 | | 200 |
| Zinc | 0.1 | | 0.004 | " | 0.100 | | 100 | 80-120 | | 200 |

LCS Dup (B16B101-BSD1)

| | | | | | | | | | | |
|-----------|-------|--|---------|---------|--------|--|-----|--------|------|-----|
| Aluminum | 0.417 | | 0.05 | mg/Wipe | 0.400 | | 104 | 80-120 | 1 | 200 |
| Antimony | 0.109 | | 0.005 | " | 0.100 | | 109 | 80-120 | 0.7 | 200 |
| Arsenic | 0.423 | | 0.01 | " | 0.400 | | 106 | 80-120 | 0.3 | 200 |
| Barium | 0.429 | | 0.003 | " | 0.400 | | 107 | 80-120 | 0.7 | 200 |
| Beryllium | 0.01 | | 0.00005 | " | 0.0100 | | 104 | 80-120 | 0.6 | 200 |
| Cadmium | 0.01 | | 0.0003 | " | 0.0100 | | 102 | 80-120 | 0.6 | 200 |
| Calcium | 1.98 | | 0.1 | " | 2.00 | | 99 | 80-120 | 0.5 | 200 |
| Chromium | 0.042 | | 0.0005 | " | 0.0400 | | 106 | 80-120 | 0.2 | 200 |
| Cobalt | 0.098 | | 0.001 | " | 0.100 | | 98 | 80-120 | 0.5 | 200 |
| Copper | 0.047 | | 0.002 | " | 0.0500 | | 95 | 80-120 | 1 | 200 |
| Iron | 0.196 | | 0.05 | " | 0.200 | | 98 | 80-120 | 0.4 | 200 |
| Lead | 0.098 | | 0.002 | " | 0.100 | | 98 | 80-120 | 0.4 | 200 |
| Magnesium | 1.83 | | 0.03 | " | 2.00 | | 92 | 80-120 | 0.6 | 200 |
| Manganese | 0.099 | | 0.003 | " | 0.100 | | 99 | 80-120 | 0.6 | 200 |
| Nickel | 0.099 | | 0.003 | " | 0.100 | | 99 | 80-120 | 1 | 200 |
| Potassium | 1.99 | | 0.3 | " | 2.00 | | 99 | 80-120 | 0.9 | 200 |
| Selenium | 0.418 | | 0.01 | " | 0.400 | | 104 | 80-120 | 0.01 | 200 |
| Silver | 0.01 | | 0.001 | " | 0.0100 | | 101 | 80-120 | 0.1 | 200 |
| Sodium | 1.84 | | 0.3 | " | 2.00 | | 92 | 80-120 | 0.4 | 200 |
| Thallium | 0.391 | | 0.005 | " | 0.400 | | 98 | 80-120 | 0.02 | 200 |
| Vanadium | 0.109 | | 0.001 | " | 0.100 | | 109 | 80-120 | 0.4 | 200 |
| Zinc | 0.101 | | 0.004 | " | 0.100 | | 101 | 80-120 | 1 | 200 |



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1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Molly Smith

EPA Region 5 Air and Radiation Division

SDG: 16036A

Project Number: R16E02

77 West Jackson Blvd, AE-17J

Reported: 02/24/16 15:32

Project: L'Anse Warden Electric Company
Investigation

Chicago IL, 60604-3507

Qualifiers and Comments

J The reported result for this analyte should be considered an estimated value.

C1 The reported concentration for this analyte is below the quantitation limit.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.