



CERTIFICATE OF ANALYSIS

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Work Order Number: 313909
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500053418
Sampled By: Mark Bocy

Date Order Received: 8/16/2017
Arrival Temperature: 22 °C

Analysis Started: 8/22/2017
Analysis Completed: 8/24/2017

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

| Sample Description | Lab ID | Matrix | Type | Comments | Date Collected | Time Collected |
|------------------------|--------|--------|----------|----------|----------------|----------------|
| Rm 204 Sink (Standing) | 906188 | Water | Plumbing | | 8/16/2017 | 6:45 AM |
| Rm 204 Sink (Flushed) | 906189 | Water | Plumbing | | 8/16/2017 | 7:20 AM |
| 104 Bottle Spout (S) | 906190 | Water | Plumbing | | 8/16/2017 | 6:55 AM |
| 104 Bottle Spout (F) | 906191 | Water | Plumbing | | 8/16/2017 | 7:30 AM |
| Rm 184 DAY CARE (S) | 906192 | Water | Plumbing | | 8/16/2017 | 7:05 AM |
| Rm 184 DAY CARE (F) | 906193 | Water | Plumbing | | 8/16/2017 | 7:40 AM |
| Rm 104 sink (S) | 906194 | Water | Plumbing | | 8/16/2017 | 7:15 AM |
| Rm 104 sink (F) | 906195 | Water | Plumbing | | 8/16/2017 | 7:50 AM |

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method | Lab | Description | Reference |
|--------------------------|--------|--|----------------------|
| ICPMS Reg. Water (R13.1) | Garson | Determination of Metals in Water by ICP/MS | Based on SW846-6020A |



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This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

| Sample Description | Rm 204 Sink (Standing) | | Rm 204 Sink (Flushed) | | 104 Bottle Spout (S) | | 104 Bottle Spout (F) | | | |
|--------------------|------------------------|-----|-----------------------|-----|----------------------|-----|----------------------|-----|-------|-------------------------|
| Lab ID | 906188 | | 906189 | | 906190 | | 906191 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 0.23 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | ug/L | 10 |

| Sample Description | Rm 184 DAY CARE (S) | | Rm 184 DAY CARE (F) | | Rm 104 sink (S) | | Rm 104 sink (F) | | | |
|--------------------|---------------------|-----|---------------------|-----|-----------------|-----|-----------------|-----|-------|-------------------------|
| Lab ID | 906192 | | 906193 | | 906194 | | 906195 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | <0.1 | 0.1 | <0.1 | 0.1 | 0.19 [0.19] | 0.1 | <0.1 | 0.1 | ug/L | 10 |

LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

[]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.



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QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.
QAQC details include only values where sufficient sample data allowed measurement.

| Metals | | | | | | | |
|-------------------------|-----|-------|-----|--------|-----|------------------|--|
| %RPD | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % | 0 | 0 | 20 | 20170823.R13-5o3 | |
| Method Blank | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | 1 | ug/L | 0 | <1 | 1 | 20170822.R13-6o1 | |
| Lead | 1 | ug/L | 0 | <1 | 1 | 20170823.R13-5o | |
| Lead | 1 | ug/L | 0 | <1 | 1 | 20170823.R13-5o3 | |
| Positive Control | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % | 80 | 92 | 120 | 20170822.R13-6o1 | |
| Lead | N/A | % | 80 | 92.7 | 120 | 20170823.R13-5o | |
| Lead | N/A | % | 80 | 96.6 | 120 | 20170823.R13-5o3 | |
| Reference Sample | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % Rec | 80 | 101 | 120 | 20170823.R13-5o | |
| Lead | N/A | % Rec | 80 | 96 | 120 | 20170822.R13-6o1 | |
| Lead | N/A | % Rec | 80 | 98.2 | 120 | 20170823.R13-5o3 | |
| Sample Spike | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % Rec | 70 | 79.4 | 130 | 20170823.R13-5o3 | |
| Lead | N/A | % Rec | 70 | 89.3 | 130 | 20170822.R13-6o1 | |
| Lead | N/A | % Rec | 70 | 92.7 | 130 | 20170823.R13-5o | |



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THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

| Sample Description | Lab ID | Method | QAQCID | Prep QAQCID |
|------------------------|---------|--------------------------|------------------|---------------|
| 104 Bottle Spout (F) | 906191 | ICPMS Reg. Water (R13.1) | 20170822.R13-6o1 | 20170822.R52P |
| 104 Bottle Spout (S) | 906190 | ICPMS Reg. Water (R13.1) | 20170822.R13-6o1 | 20170822.R52P |
| Rm 104 sink (F) | 906195 | ICPMS Reg. Water (R13.1) | 20170823.R13-5o | 20170823.R52K |
| Rm 104 sink (S) | 906194 | ICPMS Reg. Water (R13.1) | 20170823.R13-5o | 20170823.R52K |
| Rm 104 sink (S) | 906194r | ICPMS Reg. Water (R13.1) | 20170823.R13-5o | 20170823.R52K |
| Rm 184 DAY CARE (F) | 906193 | ICPMS Reg. Water (R13.1) | 20170823.R13-5o3 | 20170823.R52I |
| Rm 184 DAY CARE (S) | 906192 | ICPMS Reg. Water (R13.1) | 20170823.R13-5o3 | 20170823.R52I |
| Rm 204 Sink (Flushed) | 906189 | ICPMS Reg. Water (R13.1) | 20170822.R13-6o1 | 20170822.R52P |
| Rm 204 Sink (Standing) | 906188 | ICPMS Reg. Water (R13.1) | 20170822.R13-6o1 | 20170822.R52P |