



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client: Steve McCulloch
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Work Order Number: 534257
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500045631
Sampled By: Steve McCulloch

Date Order Received: 5/13/2024
Arrival Temperature: 10.3 C

Analysis Started: 5/14/2024
Analysis Completed: 5/15/2024

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 |
|--------------------|---------|--------|----------|----------|----------------|----------------|
| Standing -F1 | 2004334 | Water | Plumbing | | 5/11/2024 | 3:10 PM |
| Flushed -F1 | 2004335 | Water | Plumbing | | 5/11/2024 | 3:45 PM |
| Standing -F3 | 2004336 | Water | Plumbing | | 5/11/2024 | 3:15 PM |
| Flushed -F3 | 2004337 | Water | Plumbing | | 5/11/2024 | 3:50 PM |
| Standing -S2 | 2004338 | Water | Plumbing | | 5/11/2024 | 3:20 PM |
| Flushed -S2 | 2004339 | Water | Plumbing | | 5/11/2024 | 3:55 PM |
| Standing -S110 | 2004340 | Water | Plumbing | | 5/11/2024 | 3:25 PM |
| Flushed -S110 | 2004341 | Water | Plumbing | | 5/11/2024 | 4:00 PM |
| Standing -S217 | 2004342 | Water | Plumbing | | 5/11/2024 | 3:30 PM |
| Flushed -S217 | 2004343 | Water | Plumbing | | 5/11/2024 | 4:05 PM |

METHODS AND INSTRUMENTATION

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

| Method | Lab | Description | Reference |
|------------------------|--------|--|---------------------------|
| ICPMS Reg. Water (A13) | Garson | Determination of Metals in Water by ICP/MS | Modified from SW846-6020A |



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This report has been approved by:

Brad Halvorson, B.Sc.
Laboratory Director

WORK ORDER RESULTS

| Sample Description | Standing - F1 | | Flushed - F1 | | Standing - F3 | | Flushed - F3 | | | |
|--------------------|-------------------|-----|-------------------|-----|-------------------|-------------------------|-------------------|-----|-------|-------------------------|
| Sample Date | 5/11/2024 3:10 PM | | 5/11/2024 3:45 PM | | 5/11/2024 3:15 PM | | 5/11/2024 3:50 PM | | | |
| Lab ID | 2004334 | | 2004335 | | 2004336 | | 2004337 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | 0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | ug/L | 10 |
| Sample Description | Standing - S2 | | Flushed - S2 | | Standing - S110 | | Flushed - S110 | | | |
| Sample Date | 5/11/2024 3:20 PM | | 5/11/2024 3:55 PM | | 5/11/2024 3:25 PM | | 5/11/2024 4:00 PM | | | |
| Lab ID | 2004338 | | 2004339 | | 2004340 | | 2004341 | | | |
| Metals | Result | MDL | Result | MDL | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 |
| Lead | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | <0.1 | 0.1 | ug/L | 10 |
| Sample Description | Standing - S217 | | Flushed - S217 | | | | | | | |
| Sample Date | 5/11/2024 3:30 PM | | 5/11/2024 4:05 PM | | | | | | | |
| Lab ID | 2004342 | | 2004343 | | | | | | | |
| Metals | Result | MDL | Result | MDL | Units | Criteria: O.Reg. 243/07 | | | | |
| Lead | <0.1 | 0.1 | <0.1 | 0.1 | ug/L | 10 | | | | |



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LEGEND

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

MDL: Method detection limit or minimum reporting limit.

Organic Soil Analysis: Data reported for organic analysis in soils samples are corrected for moisture content.

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.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.

Reproduction of Report: Report shall not be reproduced, except in full, without the approval of Testmark Laboratories Ltd.

ICPMS Dustfall Insoluble: The ICPMS Dustfall Insoluble Portion method analyzes only the particulate matter from the Dustfall Sampler which is retained on the analysis filter during the Dustfall method.

Regulation Comparisons: Disclaimer: Please note that regulation criteria are provided for comparative purposes, however the onus on ensuring the validity of this comparison rests with the client.



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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 | | | | | | | |
|---|-----|-------|------|--------|------|-----------------|--|
| Method Blank: LRB-6 (Blank) (6) | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | 0.1 | ug/L | 0 | <0.1 | 0.3 | 20240515.A13.1B | |
| Positive Control: LFB-7 (N 100 µg/L) (7) | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % | 85 | 98.4 | 115 | 20240515.A13.1B | |
| Reference Sample: CRM-12 (EP-L-3) (12) | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | 1 | ug/L | 2.58 | 4.14 | 5.38 | 20240515.A13.1B | |
| Sample Spike: LFMS-9 (N 100 µg/L) (9) | | | | | | | |
| Parameter | MDL | Units | LCL | Result | UCL | QAQCID | |
| Lead | N/A | % Rec | 70 | 100 | 130 | 20240515.A13.1B | |

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

| Sample Description | Lab ID | Method | QAQCID | Prep QAQCID |
|--------------------|---------|------------------------|-----------------|-----------------|
| Flushed - F1 | 2004335 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Flushed - F3 | 2004337 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Flushed - S110 | 2004341 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Flushed - S2 | 2004339 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Flushed - S217 | 2004343 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Standing - F1 | 2004334 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Standing - F3 | 2004336 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Standing - S110 | 2004340 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Standing - S2 | 2004338 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |
| Standing - S217 | 2004342 | ICPMS Reg. Water (A13) | 20240515.A13.1B | 20240514.A52ZZF |