



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 498971
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500111593
Sampled By: Lisa Polano

Date Order Received: 5/15/2023
Arrival Temperature: 12 °C

Analysis Started: 5/16/2023
Analysis Completed: 5/17/2023

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 - F3 by N-182	1879672	Water	Plumbing		5/14/2023	6:00 AM
Flushing - F3 by N-182	1879673	Water	Plumbing		5/14/2023	6:35 AM
Standing - BF-07 S-165	1879674	Water	Plumbing		5/14/2023	6:05 AM
Flushing - BF-07 S-165	1879675	Water	Plumbing		5/14/2023	6:40 AM
Standing - T4 RM S-1000	1879676	Water	Plumbing		5/14/2023	6:10 AM
Flushing - T4 RM S-1000	1879677	Water	Plumbing		5/14/2023	6:45 AM
Standing - BF-06 by S-106	1879678	Water	Plumbing		5/14/2023	6:15 AM
Flushing - BF-06 by S-106	1879679	Water	Plumbing		5/14/2023	6:50 AM

METHODS AND INSTRUMENTATION

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

Method	Lab	Description	Reference
ICPMS Reg. Water (A13.1)	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



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WORK ORDER RESULTS

Sample Description	Standing - F3 by N - 182		Flushing - F3 by N - 182		Standing - BF - 07 S - 165		Flushing - BF - 07 S - 165			
Sample Date	5/14/2023 6:00 AM		5/14/2023 6:35 AM		5/14/2023 6:05 AM		5/14/2023 6:40 AM			
Lab ID	1879672		1879673		1879674		1879675			
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]	0.1	ug/L	10

Sample Description	Standing - T4 RM S - 1000		Flushing - T4 RM S - 1000		Standing - BF - 06 by S - 106		Flushing - BF - 06 by S - 106			
Sample Date	5/14/2023 6:10 AM		5/14/2023 6:45 AM		5/14/2023 6:15 AM		5/14/2023 6:50 AM			
Lab ID	1879676		1879677		1879678		1879679			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.9	0.1	1.0	0.1	<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.

[]: 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.

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	20230517.A13.1C
Lead	0.1	ug/L	0	<0.1	0.3	20230517.A13.1D

Positive Control: LFB-7 (N 100 µg/L) (7)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	85	110	115	20230517.A13.1D
Lead	N/A	%	85	111	115	20230517.A13.1C

Reference Sample: CRM-12 (EP-L-3) (12)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.58	4.43	5.38	20230517.A13.1D
Lead	1	ug/L	2.58	4.49	5.38	20230517.A13.1C

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	108	130	20230517.A13.1C
Lead	N/A	% Rec	70	109	130	20230517.A13.1D



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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
Flushing - BF - 06 by S - 106	1879679	ICPMS Reg. Water (A13.1)	20230517.A13.1D	20230516.A52ZO
Flushing - BF - 07 S - 165	1879675	ICPMS Reg. Water (A13.1)	20230517.A13.1C	20230516.A52ZN
Flushing - BF - 07 S - 165	1879675r	ICPMS Reg. Water (A13.1)	20230517.A13.1C	20230516.A52ZN
Flushing - F3 by N - 182	1879673	ICPMS Reg. Water (A13.1)	20230517.A13.1C	20230516.A52ZN
Flushing - T4 RM S - 1000	1879677	ICPMS Reg. Water (A13.1)	20230517.A13.1D	20230516.A52ZO
Standing - BF - 06 by S - 106	1879678	ICPMS Reg. Water (A13.1)	20230517.A13.1D	20230516.A52ZO
Standing - BF - 07 S - 165	1879674	ICPMS Reg. Water (A13.1)	20230517.A13.1C	20230516.A52ZN
Standing - F3 by N - 182	1879672	ICPMS Reg. Water (A13.1)	20230517.A13.1C	20230516.A52ZN
Standing - T4 RM S - 1000	1879676	ICPMS Reg. Water (A13.1)	20230517.A13.1D	20230516.A52ZO