



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 534233
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500141350
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 -FB3	2004191	Water	Plumbing		5/11/2024	6:05 AM
Flushed -FB3	2004192	Water	Plumbing		5/11/2024	6:40 AM
Standing -F8	2004193	Water	Plumbing		5/11/2024	6:10 AM
Flushed -F8	2004194	Water	Plumbing		5/11/2024	6:45 AM
Standing -S109A	2004195	Water	Plumbing		5/11/2024	6:15 AM
Flushed -S109A	2004196	Water	Plumbing		5/11/2024	6:50 AM
Standing -S109C	2004197	Water	Plumbing		5/11/2024	6:20 AM
Flushed -S109C	2004198	Water	Plumbing		5/11/2024	6:55 AM
Standing -S117A	2004199	Water	Plumbing		5/11/2024	6:25 AM
Flushed -S117A	2004200	Water	Plumbing		5/11/2024	7:00 AM
Standing -S135B	2004201	Water	Plumbing		5/11/2024	6:30 AM
Flushed -S135B	2004202	Water	Plumbing		5/11/2024	7:05 AM

METHODS AND INSTRUMENTATION

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



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

This report has been approved by:

Brad Halvorson, B.Sc.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - FB3		Flushed - FB3		Standing - F8		Flushed - F8			
Sample Date	5/11/2024 6:05 AM		5/11/2024 6:40 AM		5/11/2024 6:10 AM		5/11/2024 6:45 AM			
Lab ID	2004191		2004192		2004193		2004194			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.0	0.1	0.6	0.1	0.5	0.1	0.5	0.1	ug/L	10
Sample Description	Standing - S109A		Flushed - S109A		Standing - S109C		Flushed - S109C			
Sample Date	5/11/2024 6:15 AM		5/11/2024 6:50 AM		5/11/2024 6:20 AM		5/11/2024 6:55 AM			
Lab ID	2004195		2004196		2004197		2004198			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	1.3	0.1	0.6	0.1	1.1	0.1	0.6	0.1	ug/L	10
Sample Description	Standing - S117A		Flushed - S117A		Standing - S135B		Flushed - S135B			
Sample Date	5/11/2024 6:25 AM		5/11/2024 7:00 AM		5/11/2024 6:30 AM		5/11/2024 7:05 AM			
Lab ID	2004199		2004200		2004201		2004202			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.4	0.1	0.3	0.1	0.6	0.1	0.5 [0.4]	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.

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.A13.1C	
Positive Control: LFB-7 (N 100 µg/L) (7)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	85	98.1	115	20240515.A13.1C	
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.A13.1C	
Sample Spike: LFMS-9 (N 100 µg/L) (9)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	100	130	20240515.A13.1C	



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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
Flushed - F8	2004194	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - FB3	2004192	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - S109A	2004196	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - S109C	2004198	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - S117A	2004200	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - S135B	2004202	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Flushed - S135B	2004202r	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - F8	2004193	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - FB3	2004191	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - S109A	2004195	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - S109C	2004197	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - S117A	2004199	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB
Standing - S135B	2004201	ICPMS Reg. Water (A13)	20240515.A13.1C	20240514.A52ZZB