



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 374911
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500044448
Sampled By: Lisa Polano

Date Order Received: 6/14/2019
Arrival Temperature: 14 °C

Analysis Started: 6/19/2019
Analysis Completed: 6/20/2019

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 - Daycare	1447429	Water	Plumbing		6/14/2019	6:00 AM
Flushed - Daycare	1447430	Water	Plumbing		6/14/2019	6:35 AM
Standing F003 by 205	1447431	Water	Plumbing		6/14/2019	6:05 AM
Flush F003 by 205	1447432	Water	Plumbing		6/14/2019	6:40 AM
St F-004 by 219	1447433	Water	Plumbing		6/14/2019	6:10 AM
FI F-004 by 219	1447434	Water	Plumbing		6/14/2019	6:45 AM

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:

Khaled Omari, Ph.D.

Laboratory Director



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WORK ORDER RESULTS

Sample Description	Standing - Daycare		Flushed - Daycare		Standing F003 by 205		Flush F003 by 205		Units	Criteria: O.Reg. 243/07
Lab ID	1447429		1447430		1447431		1447432			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL		
Lead	0.2	0.1	<0.1	0.1	<0.1	0.1	0.2	0.1	ug/L	10

Sample Description	St F - 004 by 219		FI F - 004 by 219		Units	Criteria: O.Reg. 243/07
Lab ID	1447433		1447434			
Metals	Result	MDL	Result	MDL		
Lead	<0.1	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.

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.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Benzo(b)fluoranthene: Results for benzo(b)fluoranthene may include contributions from benzo(j)fluoranthene.

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.



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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- µg/L) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20190620.A13.1B
Lead	1	ug/L	0	<1	1	20190620.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	85.3	120	20190620.A13.1C
Lead	N/A	%	80	86.2	120	20190620.A13.1B

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.8	4.35	20190620.A13.1C
Lead	1	ug/L	3.65	3.87	4.35	20190620.A13.1B

Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	0	20	20190620.A13.1B

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	90.3	130	20190620.A13.1C
Lead	N/A	% Rec	70	92.2	130	20190620.A13.1B



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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
FI F - 004 by 219	1447434	ICPMS Reg. Water (A13)	20190620.A13.1C	20190619.A52J
Flush F003 by 205	1447432	ICPMS Reg. Water (A13)	20190620.A13.1C	20190619.A52J
Flushed - Daycare	1447430	ICPMS Reg. Water (A13)	20190620.A13.1B	20190619.A52O
St F - 004 by 219	1447433	ICPMS Reg. Water (A13)	20190620.A13.1C	20190619.A52J
Standing - Daycare	1447429	ICPMS Reg. Water (A13)	20190620.A13.1B	20190619.A52O
Standing F003 by 205	1447431	ICPMS Reg. Water (A13)	20190620.A13.1C	20190619.A52J