



## CERTIFICATE OF ANALYSIS

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Work Order Number: 382332  
PO #:   
Regulation: O.Reg. 243/07  
Project #:   
DWS #: 500046021  
Sampled By: Rick Auger

Date Order Received: 9/10/2019  
Arrival Temperature: 15 °C

Analysis Started: 9/16/2019  
Analysis Completed: 9/17/2019

### 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- FBS 19	1474442	Water	Plumbing		9/10/2019	6:30 AM
Flushed- FBS 19	1474443	Water	Plumbing		9/10/2019	7:05 AM
Standing F Gym U	1474444	Water	Plumbing		9/10/2019	6:30 AM
Flushing F Gym U	1474445	Water	Plumbing		9/10/2019	7:05 AM
Standing DayCare	1474446	Water	Plumbing		9/10/2019	6:00 AM
Flushing DayCare	1474447	Water	Plumbing		9/10/2019	6:35 AM
Standing F Gym L	1474448	Water	Plumbing		9/10/2019	6:30 AM
Flushing F Gym L	1474449	Water	Plumbing		9/10/2019	7:05 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



**TESTMARK Laboratories Ltd.**

*Committed to Quality and Service*

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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 - FBS 19		Flushed - FBS 19		Standing F Gym U		Flushing F Gym U			
Sample Date	09/10/2019		09/10/2019		09/10/2019		09/10/2019			
Lab ID	1474442		1474443		1474444		1474445			
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 DayCare		Flushing DayCare		Standing F Gym L		Flushing F Gym L			
Sample Date	09/10/2019		09/10/2019		09/10/2019		09/10/2019			
Lab ID	1474446		1474447		1474448		1474449			
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

### 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.

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) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20190917.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	92.5	120	20190917.A13.1C

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

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	3.82	5.44	20190917.A13.1C

##### Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	93.7	130	20190917.A13.1C

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 - FBS 19	1474443	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Flushing DayCare	1474447	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Flushing F Gym L	1474449	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Flushing F Gym U	1474445	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Standing - FBS 19	1474442	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Standing - FBS 19	1474442r	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Standing DayCare	1474446	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Standing F Gym L	1474448	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520
Standing F Gym U	1474444	ICPMS Reg. Water (A13)	20190917.A13.1C	20190916.A520