

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 17-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO: 09-206

Project Description: 09-206 Lansdowne

Client ID:	MW5	-	-	-
Sample Date:	16-Sep-09	-	-	-
Sample ID:	0938195-01	-	-	-
MDL/Units	Water	-	-	-

Microbiological Parameters in Water

E. coli	1 CFU/100 mL	<2 [2]	-	-	-
Total Coliforms	1 CFU/100 mL	<2 [2]	-	-	-
Heterotrophic Plate Count	10 CFU/ml	510	-	-	-

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 17-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO: 09-206

Project Description: 09-206 Lansdowne

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Microbiological Parameters in Water									
E. coli	ND	1	CFU/100 mL						
Total Coliforms	ND	1	CFU/100 mL						
Heterotrophic Plate Count	ND	10	CFU/ml						

P: 1-800-749-1947
E: PARACEL@PARACELLABS.COM

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 Ottawa, ON K1G 4J8

MISSISSAUGA
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 Mississauga, ON L5N 6J3

NIAGARA FALLS
 5415 Morning Glory Cr.
 Niagara Falls, ON L2J 0A3

SARNIA
 123 Christina St. N.
 Sarnia, ON N7T 5T7

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 17-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO: 09-206

Project Description: 09-206 Lansdowne

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Microbiological Parameters in Water									
E. coli	ND	1	CFU/100 mL	ND				30	
Total Coliforms	ND	1	CFU/100 mL	ND				30	
Heterotrophic Plate Count	10	10	CFU/ml	30			100.0	30	BAC04

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Client: **INTERA Engineering Ltd.**

Client PO: 09-206

Project Description: 09-206 Lansdowne

Sample and QC Qualifiers Notes

- 1- BAC04 : Duplicate QC data falls within method prescribed 95% confidence limits.
- 2- BAC09 : Bacteria sample was diluted due to suspended particulate matter.

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

Company Name: <u>INTERA ENGINEERING LTD.</u>	Project Ref: <u>09-206 Lansdowne</u>	Date Required: _____
Contact Name: <u>SEAN STERLING</u>	PO# <u>09-206</u>	Turn Around Time: [] 1-day [] 2-day [] Regular
Address: <u>1 RAYMOND ST. SUITE #200</u>	Quote # _____ <input checked="" type="checkbox"/> Not Quoted	Regulatory/Guideline Requirements
Tel: <u>613-232-2525</u> Cell: <u>613-858-0185</u>	Preservative to be added by Paracel? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Email: <u>ssterling@intera.ca</u>		

Matrix Types: S-Soil/Sed GW-Ground Water SW-Surface Water SS-Storm/Sanitary Sewer A-Air O-Other RDW-Regulated Drinking Water

Sample Information					Analysis Required																	
Paracel Order #	Matrix	Air Volume	# Containers	Date Sampled dd/mm/yy	E.Coli	TC	HPC														Hazardous? (Y/N)	
0938195																						
Sample Identification																						
1	MW5	W	1	16 Sept/08	✓	✓	✓															
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Comments: NOT DED as per Sean

Relinquished By: <u>Sean Sterling</u> Date: <u>17-Sept-09</u> Time: <u>09</u>	Received at Depot: Date: _____ Time: _____	Received at Lab: <u>K. Davis</u> Date: <u>Sep 17/09</u> Time: <u>2:30</u>	Verified By: <u>J. West</u> Date: <u>9/19/09</u> Time: <u>15:15</u>
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Please refer to the back page for Locations and Sample Preservation, Container and Hold Time Requirements.

WHITE - Lab Copy, PINK - Client Copy

Certificate of Analysis

INTERA Engineering Ltd.

Suite 200, 1 Raymond St.
Ottawa, ON K1R 1A2
Attn: Sean Sterling

Phone: (613) 232-2525
Fax: (613) 232-7149

Client PO:

Project: 09-205

Custody: 61093

Report Date: 22-Sep-2009

Order Date: 18-Sep-2009

Order #: 0938237

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
0938237-01	MW3-L
0938237-02	3604741

Approved By:



Dale Robertson, BSc
Laboratory Director

Any use of these results implies your agreement that our total liability in connection with this work, however arising shall be limited to the amount paid by you for this work, and that our employees or agents shall not under circumstances be liable to you in connection with this work

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 18-Sep-2009

Client: **INTERA Engineering Ltd.**

Client PO:

Project Description: 09-205

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
E. coli	MOE E3407	18-Sep-09	18-Sep-09
Heterotrophic Plate Count	SM 9215C	18-Sep-09	18-Sep-09
Total Coliform	MOE E3407	18-Sep-09	18-Sep-09

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 18-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO:

Project Description: 09-205

Client ID:	MW3-L	3604741	-	-
Sample Date:	17-Sep-09	17-Sep-09	-	-
Sample ID:	0938237-01	0938237-02	-	-
MDL/Units	Water	Water	-	-

Microbiological Parameters in Water

E. coli	1 CFU/100 mL	ND	ND [1]	-	-
Total Coliforms	1 CFU/100 mL	4	ND [1]	-	-
Heterotrophic Plate Count	10 CFU/ml	10	-	-	-

Certificate of Analysis

Report Date: 22-Sep-2009

Order Date: 18-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO:

Project Description: 09-205

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Microbiological Parameters in Water									
E. coli	ND	1	CFU/100 mL						
Total Coliforms	ND	1	CFU/100 mL						
Heterotrophic Plate Count	ND	10	CFU/ml						

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Order Date: 18-Sep-2009

 Client: **INTERA Engineering Ltd.**

Client PO:

Project Description: 09-205

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Microbiological Parameters in Water									
E. coli	ND	1	CFU/100 mL	ND				30	
Total Coliforms	ND	1	CFU/100 mL	ND				30	
Heterotrophic Plate Count	10	10	CFU/ml	10			0.0	30	

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Client: **INTERA Engineering Ltd.**

Client PO:

Project Description: 09-205

Sample and QC Qualifiers Notes

1- Z-01 : Drinking water - subcontracted to a licensed lab.

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

n/a: not applicable

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.