ALS LABORATORY GROUP ANALYTICAL REPORT

Sample ID	L917373-1	L917373-2	L917373-3	L917373-4	L917373-5
Description					
Sampled Date	26-JUL-10	26-JUL-10	27-JUL-10	27-JUL-10	26-JUL-10
Sampled Time	10:30	10:30	11:00	11:00	10:15
Client ID	DF-1-TM	DF-1-TP	DF-2-TM	DF-2-TP	DF-3-TM
Grouping / **Analyte**					
DUSTFALL					
Particulates Total Dustfall (mg/dm2.day)		0.44		0.19	
Total Insoluble Dustfall (mg/dm2.day)		0.24		<0.10	
Total Soluble Dustfall (mg/dm2.day)		0.20		0.15	
Anions and Nutrients Ammonia as N (mg/dm2.day)		0.00587		0.00359	
Chloride (Cl) (mg/dm2.day)		<0.0060		<0.0050	
Nitrate (as N) (mg/dm2.day)		0.00170		0.00265	
Sulfate (SO4) (mg/dm2.day)		<0.0060		0.0072	
Metals Aluminum (Al)-Total (mg/dm2.day)	0.00120		0.000464		0.000329
Antimony (Sb)-Total (mg/dm2.day)	<0.00000080		<0.00000090		<0.0000020
Arsenic (As)-Total (mg/dm2.day)	<0.00000080		<0.00000090		<0.0000020
Barium (Ba)-Total (mg/dm2.day)	0.0000166		0.0000294		0.0000195
Beryllium (Be)-Total (mg/dm2.day)	<0.0000040		<0.0000050		<0.0000090
Bismuth (Bi)-Total (mg/dm2.day)	<0.0000040		<0.0000050		<0.0000090
Boron (B)-Total (mg/dm2.day)	<0.000080		<0.000090		<0.00020
Cadmium (Cd)-Total (mg/dm2.day)	<0.00000040		0.00000059		<0.00000090
Calcium (Ca)-Total (mg/dm2.day)	0.00533		0.00340		0.00324
Chromium (Cr)-Total (mg/dm2.day)	0.0000083		0.0000135		<0.0000090
Cobalt (Co)-Total (mg/dm2.day)	0.00000127		<0.00000090		<0.0000020
Copper (Cu)-Total (mg/dm2.day)	0.0000834		0.000266		0.0000727
Iron (Fe)-Total (mg/dm2.day)	0.00194		0.00048		<0.00060
Lead (Pb)-Total (mg/dm2.day)	0.00000161		0.00000598		0.00000691
Lithium (Li)-Total (mg/dm2.day)	<0.000040		<0.000050		<0.000090
Magnesium (Mg)-Total (mg/dm2.day)	0.00174		<0.00090		<0.0020
Manganese (Mn)-Total (mg/dm2.day)	0.0000846		0.0000845		0.0000993
Mercury (Hg)-Total (mg/dm2.day)	<0.00000040		<0.00000050		<0.00000090
Molybdenum (Mo)-Total (mg/dm2.day)	<0.00000040		<0.00000050		<0.00000090
Nickel (Ni)-Total (mg/dm2.day)	0.0000082		0.0000141		0.0000235
Phosphorus (P)-Total (mg/dm2.day)	<0.0030		<0.0030		<0.0060
Potassium (K)-Total (mg/dm2.day)	<0.020		<0.020		<0.040
Selenium (Se)-Total (mg/dm2.day)	<0.0000080		<0.0000090		<0.000020
Silicon (Si)-Total (mg/dm2.day)	0.00187		0.00080		<0.00090
Silver (Ag)-Total (mg/dm2.day)	<0.000000080		<0.000000090		<0.00000020
Sodium (Na)-Total (mg/dm2.day)	<0.020		<0.020		<0.040
Strontium (Sr)-Total (mg/dm2.day)	0.00000766		0.00000918		0.0000146
Thallium (Tl)-Total (mg/dm2.day)	<0.00000080		<0.00000090		<0.0000020
Tin (Sn)-Total (mg/dm2.day)	<0.00000080		<0.00000090		0.0000023
Titanium (Ti)-Total (mg/dm2.day)	<0.000080		<0.000090		<0.00020

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L917373-6	L917373-7	L917373-8	L917373-9	L917373-10
	Description					
	Sampled Date	26-JUL-10	26-JUL-10	26-JUL-10	26-JUL-10	26-JUL-10
	Sampled Time	10:15	10:00	10:00	09:45	09:45
	Client ID	DF-3-TP	DF-4-TM	DF-4-TP	DF-5-TM	DF-5-TP
Grouping	Analyte					
DUSTFALL						
Particulates	Total Dustfall (mg/dm2.day)	0.15		0.20		<0.10
	Total Insoluble Dustfall (mg/dm2.day)	<0.10		<0.10		<0.10
	Total Soluble Dustfall (mg/dm2.day)	<0.10		0.16		<0.10
Anions and Nutrients	Ammonia as N (mg/dm2.day)	0.00152		0.00377		0.00287
	Chloride (Cl) (mg/dm2.day)	0.0050		<0.0040		0.0570
	Nitrate (as N) (mg/dm2.day)	0.00158		0.00247		0.00185
	Sulfate (SO4) (mg/dm2.day)	0.0044		0.0077		<0.0060
Metals	Aluminum (Al)-Total (mg/dm2.day)		0.00178		0.000421	
	Antimony (Sb)-Total (mg/dm2.day)		<0.00000080		<0.00000080	
	Arsenic (As)-Total (mg/dm2.day)		<0.00000080		<0.00000080	
	Barium (Ba)-Total (mg/dm2.day)		0.00000905		0.0000176	
	Beryllium (Be)-Total (mg/dm2.day)		<0.0000040		<0.0000040	
	Bismuth (Bi)-Total (mg/dm2.day)		<0.0000040		<0.0000040	
	Boron (B)-Total (mg/dm2.day)		<0.000080		<0.000080	
	Cadmium (Cd)-Total (mg/dm2.day)		0.00000080		0.00000088	
	Calcium (Ca)-Total (mg/dm2.day)		0.00813		0.00175	
	Chromium (Cr)-Total (mg/dm2.day)		0.0000311		0.0000274	
	Cobalt (Co)-Total (mg/dm2.day)		0.00000213		<0.00000080	
	Copper (Cu)-Total (mg/dm2.day)		0.000206		0.000121	
	Iron (Fe)-Total (mg/dm2.day)		0.00284		0.00049	
	Lead (Pb)-Total (mg/dm2.day)		0.00000480		0.00000280	
	Lithium (Li)-Total (mg/dm2.day)		<0.000040		<0.000040	
	Magnesium (Mg)-Total (mg/dm2.day)		0.00192		<0.00080	
	Manganese (Mn)-Total (mg/dm2.day)		0.0000905		0.0000784	
	Mercury (Hg)-Total (mg/dm2.day)		<0.00000040		<0.00000040	
	Molybdenum (Mo)-Total (mg/dm2.day)		0.00000086		0.00000050	
	Nickel (Ni)-Total (mg/dm2.day)		0.0000327		0.0000173	
	Phosphorus (P)-Total (mg/dm2.day)		<0.0020		<0.0030	
	Potassium (K)-Total (mg/dm2.day)		<0.020		<0.020	
	Selenium (Se)-Total (mg/dm2.day)		<0.0000080		<0.0000080	
	Silicon (Si)-Total (mg/dm2.day)		0.00235		0.00064	
	Silver (Ag)-Total (mg/dm2.day)		<0.000000080		<0.000000080	
	Sodium (Na)-Total (mg/dm2.day)		<0.020		<0.020	
	Strontium (Sr)-Total (mg/dm2.day)		0.00000825		0.00000591	
	Thallium (Tl)-Total (mg/dm2.day)		<0.00000080		<0.00000080	
	Tin (Sn)-Total (mg/dm2.day)		0.00000098		<0.00000080	
	Titanium (Ti)-Total (mg/dm2.day)		<0.000080		<0.000080	

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample ID	L917373-1	L917373-2	L917373-3	L917373-4	L917373-5
Description					
Sampled Date	26-JUL-10	26-JUL-10	27-JUL-10	27-JUL-10	26-JUL-10
Sampled Time	10:30	10:30	11:00	11:00	10:15
Client ID	DF-1-TM	DF-1-TP	DF-2-TM	DF-2-TP	DF-3-TM
Grouping **Analyte**					
DUSTFALL					
Metals Uranium (U)-Total (mg/dm2.day)	<0.000000080		<0.000000090		<0.00000020
Vanadium (V)-Total (mg/dm2.day)	<0.0000080		<0.0000090		<0.000020
Zinc (Zn)-Total (mg/dm2.day)	0.0000307		0.0000776		0.000128

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L917373-6	L917373-7	L917373-8	L917373-9	L917373-10
	Description					
	Sampled Date	26-JUL-10	26-JUL-10	26-JUL-10	26-JUL-10	26-JUL-10
	Sampled Time	10:15	10:00	10:00	09:45	09:45
	Client ID	DF-3-TP	DF-4-TM	DF-4-TP	DF-5-TM	DF-5-TP
Grouping	Analyte					
DUSTFALL						
Metals	Uranium (U)-Total (mg/dm2.day)		0.000000102		<0.000000080	
	Vanadium (V)-Total (mg/dm2.day)		<0.0000080		<0.0000080	
	Zinc (Zn)-Total (mg/dm2.day)		0.0000652		0.0000519	

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
CL-IC-VA	Dustfall	Dustfall Chloride by Ion Chromatography	BC LAB MAN. - PART. - SOLUBLE - ANIONS

The Dustfall analysis is carried out in accordance with the B.C. Laboratory Manual method 'Particulate - Total' and 'Particulate - Soluble - Anions and Cations by Ion Chromatography'. The chloride analysis is specifcially carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE DUSTFALLS

Dustfall analysis is carried out in accordance with procedures published by the B.C. Ministry of Environment Laboratory.

HG-DUST(DM2-CVAFS-VA	Dustfall	Total Mercury in Dustfalls by CVAFS	EPA 245.7

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry (EPA Method 245.7).

MET-DUST(DM2)-ICP-VA	Dustfall	Total Metals in Dustfalls by ICPOES	EPA 6010B

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). Instrumental analysis is by inductively coupled plasma - optical emission spectrophotometry (EPA Method 6010B).

MET-DUST(DM2)-MS-VA	Dustfall	Total Metals in Dustfalls by ICPMS	EPA 6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

NH3-COL-VA	Dustfall	Dustfall Ammonia by Colour	BC LAB MAN. - PART. - SOLUBLE - ANIONS

The Dustfall analysis is carried out in accordance with the B.C. Laboratory Manual method 'Particulate - Total' and 'Particulate - Soluble - Anions and Cations by Ion Chromatography'. The ammonia analysis is specifcially carried out using procedures adapted from APHA Method 4500-NH3 "Nitrogen (Ammonia)". Ammonia is determined using the phenate colourimetric method.

NO3-IC-VA	Dustfall	Dustfall Nitrate by Ion Chromatography	BC LAB MAN. - PART. - SOLUBLE - ANIONS

The Dustfall analysis is carried out in accordance with the B.C. Laboratory Manual method 'Particulate - Total' and 'Particulate - Soluble - Anions and Cations by Ion Chromatography'. The nitrate analysis is specifcially carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

SO4-IC-VA	Dustfall	Dustfall Sulphate by Ion Chromatography	BC LAB MAN. - PART. - SOLUBLE - ANIONS

The Dustfall analysis is carried out in accordance with the B.C. Laboratory Manual method 'Particulate - Total' and 'Particulate - Soluble - Anions and Cations by Ion Chromatography'. The sulphate analysis is specifcially carried out using procedures adapted from APHA Method 4110 "Determination of Anions by Ion Chromatography" and EPA Method 300.0 "Determination of Inorganic Anions by Ion Chromatography".

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

10-044439

GLOSSARY OF REPORT TERMS

Surrogate A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
mg/kg milligrams per kilogram based on dry weight of sample.
mg/kg wwt milligrams per kilogram based on wet weight of sample.
mg/kg lwt milligrams per kilogram based on lipid-adjusted weight of sample.
mg/L milligrams per litre.
< - Less than.
D.L. The reported Detection Limit, also known as the Limit of Reporting (LOR).
N/A Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as receieved by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Short Holding Time

Rush Processing

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878
www.alsglobal.com

10-044439

Page ____ of ____

Report To		Report Format / Distribution		Service Requested: (Rush subject to availability)
Company:	Rescan Environmental Services Ltd.	Standard: ✓ Other (specify):		Regular (Standard Turnaround Times))
Contact:	Dan Jarratt	Select: PDF ✓ Excel ✓ Digital Fax		Priority, Date Req'd: (Surcharges apply)
Address:	6th Floor, 1111 West Hastings St. Vancouver, BC V6E 2J3	Email 1:	djarratt@rescan.com	Emergency (1 Business Day) - 100% Surcharge
		Email 2:	tolcay@rescan.com	For Emergency < 1 Day, ASAP or Weekend - Contact ALS
Phone:	Fax:			Analysis Request
Invoice To	Same as Report ? (circle) (Yes) or No (if No, provide details)	Client / Project Information		(Indicate Filtered or Preserved, F/P)
	Copy of Invoice with Report? (circle) (Yes) or No	Job #:	1009-002-02	
Company:		PO / AFE:		
Contact:		LSD:		
Address:				
Phone:	Fax:	Quote #:		
		ALS Contact:	Sampler:	

Sample Identification (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total, Soluble, Insoluble Particles	Cl, SO_4, NO_3, NH_3	Total Mg, Ca, K	Number of Containers
DF-1-TM	26/Jul/10	10:30 am	Water			X	
DF-1-TP	26/Jul/10	10:30 am	"	X	X		
DF-2-TM	27/Jul/10	11:00 am	"			X	
DF-2-TP	27/Jul/10	11:00 am	"	X	X		
DF-3-TM	26/Jul/10	10:15 am	"			X	
DF-3-TP	26/Jul/10	10:15 am	"	X	X		
DF-4-TM	26/Jul/10	10:00 am	"			X	
DF-4-TP	26/Jul/10	10:00 am	"	X	X		
DF-5-TM	26/Jul/10	09:45 am	"			X	
DF-5-TP	26/Jul/10	09:45 am	"	X	X		

Special Instructions / Regulations / Hazardous Details

Some jars were empty when retrieved, see notes on jars. Due to evaporation

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

Released by:	Date:	Time:	Received by:	Date:	Time:	Temperature:	Verified by:	Date:	Time:	Observations: Yes / No ? If Yes add SIF
				8/6	12:05	21 °C				

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

GENF 18.01 Front

Maxxam Analytics

Your Project #: 1009-002-02
Site: HOPE BAY (BOSTON/DORIS)

Attention: DAN JARRATT
RESCAN ENVIRONMENTAL SERVICES LTD.
SIXTH FLOOR
1111 WEST HASTINGS STREET
VANCOUVER, BC
CANADA V6E 2J3

Report Date: 2010/02/24

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B009099
Received: 2010/02/18, 13:43

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall	1	2010/02/21	2010/02/21	EINDSOP-00180	AMD 32020
Determination of Dustfall-mg/cm2/30 days	1	2010/02/21	2010/02/21		see departement
Exposure (Number of days)	1	2010/02/21	2010/02/21		see department

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Levi Manchak
24 Feb 2010 13:40:02 -07:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

LEVI MANCHAK,
Email:
Phone# (780) 378-8500

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CALA have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Analytics

Maxxam Job #: B009099
Report Date: 2010/02/24

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		S86109		
Sampling Date		2010/01/14		
	Units	**10DORISDF-010**	**RDL**	**QC Batch**
Industrial				
Exposure	days	29	1	3759899
Dustfall Determination				
Total Dustfall	mg	2	1	3759896
Total Dustfall (30 day)	mg/cm2/30day	0.023	0.001	3759897
Total Fixed Dustfall	mg	2	1	3759896
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.023	0.001	3759897

RDL = Reportable Detection Limit

Maxxam Analytics

Maxxam Job #: B009099
Report Date: 2010/02/24

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

General Comments

Exposure Dates: 2010/01/14 - 2010/02/12

Results relate only to the items tested.

Maxxam Analytics

RESCAN ENVIRONMENTAL SERVICES LTD.
Attention: DAN JARRATT
Client Project #: 1009-002-02
P.O. #:
Site Reference: HOPE BAY (BOSTON/DORIS)

Quality Assurance Report

Maxxam Job Number: PB009099

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3759896 OZ	Calibration Check	Total Dustfall	2010/02/21		102	%	N/A
	Method Blank	Total Dustfall	2010/02/21	<1		mg	
		Total Fixed Dustfall	2010/02/21	<1		mg	
	RPD [S86109-01]	Total Dustfall	2010/02/21	NC		%	N/A
		Total Fixed Dustfall	2010/02/21	NC		%	N/A

N/A = Not Applicable
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Calibration Check: A calibration standard analyzed at different times to evaluate on-going calibration accuracy.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Maxxam Analytics

Validation Signature Page

Maxxam Job #: B009099

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

LINDA LIN, Supervisor, Centre for Passive Sampling Technology

---

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CALA have approved this reporting process and electronic report format.

Maxxam Analytics

Your Project #: 1009-002-02
Site: HOPE BAY (BOSTON/DORIS)

Attention: DAN JARRATT
RESCAN ENVIRONMENTAL SERVICES LTD.
SIXTH FLOOR
1111 WEST HASTINGS STREET
VANCOUVER, BC
CANADA V6E 2J3

Report Date: 2010/03/19

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B015110
Received: 2010/03/16, 10:51

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall	1	2010/03/19	2010/03/19	EINDSOP-00180	AMD 32020
Determination of Dustfall-mg/cm2/30 days	1	2010/03/19	2010/03/19		see departement
Exposure (Number of days)	1	2010/03/19	2010/03/19		see department

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Levi Manchak
22 Mar 2010 09:55:52 -06:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

LEVI MANCHAK,
Email:
Phone# (780) 378-8500

==========

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CALA have approved this reporting process and electronic report format.

For Service Group specific validation please refer to the Validation Signature Page

Total cover pages: 1

Maxxam Analytics

Maxxam Job #: B015110
Report Date: 2010/03/19

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		T22244		
Sampling Date		2010/02/11		
	Units	**10DORISDF-002**	**RDL**	**QC Batch**
Industrial				
Exposure	days	18	1	3825288
Dustfall Determination				
Total Dustfall	mg	1	1	3825285
Total Dustfall (30 day)	mg/cm2/30day	0.024	0.001	3825286
Total Fixed Dustfall	mg	<1	1	3825285
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.012	0.001	3825286
RDL = Reportable Detection Limit				

Maxxam Analytics

Maxxam Job #: B015110
Report Date: 2010/03/19

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

General Comments

Results relate only to the items tested.

Maxxam Analytics

RESCAN ENVIRONMENTAL SERVICES LTD.
Attention: DAN JARRATT
Client Project #: 1009-002-02
P.O. #:
Site Reference: HOPE BAY (BOSTON/DORIS)

Quality Assurance Report

Maxxam Job Number: PB015110

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3825285 OZ	Calibration Check	Total Dustfall	2010/03/19		104	%	N/A
	Method Blank	Total Dustfall	2010/03/19	<1		mg	
		Total Fixed Dustfall	2010/03/19	<1		mg	
	RPD [T22244-01]	Total Dustfall	2010/03/19	NC		%	N/A
		Total Fixed Dustfall	2010/03/19	NC		%	N/A

N/A = Not Applicable
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Calibration Check: A calibration standard analyzed at different times to evaluate on-going calibration accuracy.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Maxxam Analytics

Validation Signature Page

Maxxam Job #: B015110

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

LINDA LIN, Supervisor, Centre for Passive Sampling Technology

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. SCC and CALA have approved this reporting process and electronic report format.

Maxxam Analytics

Your Project #: 1009-002-02
Site: HOPE BAY (BOSTON/DORIS)

Attention: DAN JARRATT
RESCAN ENVIRONMENTAL SERVICES LTD.
SIXTH FLOOR
1111 WEST HASTINGS STREET
VANCOUVER, BC
CANADA V6E 2J3

Report Date: 2010/05/07
This report supersedes all previous reports with the same Maxxam job number

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B027675
Received: 2010/04/30, 10:37

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Determination of Dustfall	2	2010/05/05	2010/05/06	EINDSOP-00180	AMD 32020
Determination of Dustfall-mg/cm2/30 days	2	2010/05/05	2010/05/06		see departement
Exposure (Number of days)	2	2010/05/05	2010/05/05		see department

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Levi Manchak
07 May 2010 09:42:16 -06:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

LEVI MANCHAK,
Email:
Phone# (780) 378-8500

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Total cover pages: 1

Maxxam Analytics

Maxxam Job #: B027675
Report Date: 2010/05/07

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

RESULTS OF CHEMICAL ANALYSES OF AIR

Maxxam ID		T86858	T86859		
Sampling Date		2010/03/01	2009/10/22		
	Units	**10DORISDF-003**	**09BOSTONDF-010**	**RDL**	**QC Batch**
Industrial					
Exposure	days	33	150	1	3932298
Dustfall Determination					
Total Dustfall	mg	4	10	1	3932295
Total Dustfall (30 day)	mg/cm2/30day	0.040	0.024	0.001	3932296
Total Fixed Dustfall	mg	2	8	1	3932295
Total Fixed Dustfall (30 day)	mg/cm2/30day	0.027	0.020	0.001	3932296

RDL = Reportable Detection Limit

Maxxam Analytics

Maxxam Job #: B027675
Report Date: 2010/05/07

RESCAN ENVIRONMENTAL SERVICES LTD.
Client Project #: 1009-002-02
Site Reference: HOPE BAY (BOSTON/DORIS)
Sampler Initials: JT

General Comments

Exposure Dates:
10DorisDF-003: 2010/03/03 - 2010/04/03
09BostonDF-010: 2009/10/22 - 2010/03/21

Results relate only to the items tested.

Maxxam Analytics

RESCAN ENVIRONMENTAL SERVICES LTD.
Attention: DAN JARRATT
Client Project #: 1009-002-02
P.O. #:
Site Reference: HOPE BAY (BOSTON/DORIS)

Quality Assurance Report

Maxxam Job Number: PB027675

QA/QC Batch Num Init	QC Type	Parameter	Date Analyzed yyyy/mm/dd	Value	Recovery	Units	QC Limits
3932295 OZ	Calibration Check	Total Dustfall	2010/05/06		102	%	N/A
	Method Blank	Total Dustfall	2010/05/06	<1		mg	
		Total Fixed Dustfall	2010/05/06	<1		mg	
	RPD [T86858-01]	Total Dustfall	2010/05/06	NC		%	N/A
		Total Fixed Dustfall	2010/05/06	NC		%	N/A

N/A = Not Applicable
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.
Calibration Check: A calibration standard analyzed at different times to evaluate on-going calibration accuracy.
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.
NC (RPD): The RPD was not calculated. The level of analyte detected in the parent sample and its duplicate was not sufficiently significant to permit a reliable calculation.

Maxxam Analytics

Validation Signature Page

Maxxam Job #: B027675

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

LINDA LIN, Supervisor, Centre for Passive Sampling Technology

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