

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark LaRose
LaRose & Bosco Ltd
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Oak Park, Illinois 60301
Generated 10/6/2023 3:00:10 PM

JOB DESCRIPTION

Environmental Testing - SMM MRP-P-2

JOB NUMBER

500-239994-1

Eurofins Chicago

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



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Case Narrative

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Job ID: 500-239994-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-239994-1

Receipt

The sample was received on 9/22/2023 12:42 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270E: Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 1 analyte to recover outside criteria for this method when utilizing this list of analytes. The LCS associated with preparation batch 500-735140 and analytical batch 500-735251 had 1 analyte outside control limits: Hexachlorobenzene. These results have been reported and qualified.

Method 8270E: The continuing calibration verification (CCV) analyzed in 500-735251 was outside the method criteria for the following analyte(s): Pentachlorophenol, Hexachlorobenzene, 2,4-Dinitrotoluene and 2,4,6-Tribromophenol (Surr). As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270E: The following samples contained one acid surrogate outside acceptance limits: (LCS 500-735140/2-A). The laboratory's SOP allows one acid and one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method 8270E: The following sample was diluted due to the nature of the sample matrix: SMM MRP-P-2 (500-239994-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Method 9066: The method blank for preparation batch 500-734499 and analytical batch 500-734753 contained Phenolics, Total Recoverable above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were less than the reporting limit.

Method 9066: The method blank(MB) recovered greater than the reporting limit for phenol. The following samples associated with the MB recovered at a concentration less than the RL. Therefore, the samples have been reported. SMM MRP-P-2 (500-239994-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: LaRose & Bosco Ltd

Job ID: 500-239994-1

Project/Site: Environmental Testing - SMM MRP-P-2

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1232	3500		830	410	ug/Kg	5		☼	8082A	Total/NA
Barium	0.22	J	0.50	0.050	mg/L	1			6010D	TCLP
Cadmium	0.0075		0.0050	0.0020	mg/L	1			6010D	TCLP
Lead	0.55		0.050	0.0075	mg/L	1			6010D	TCLP
Cyanide, Total	0.21		0.21	0.11	mg/Kg	1		☼	9012B	Total/NA
pH	7.9		0.2	0.2	SU	1			9045D	Total/NA
Phenolics, Total Recoverable	0.33	J B	0.41	0.33	mg/Kg	1		☼	9066	Total/NA
Free Liquid	PASS				No Unit	1			9095B	Total/NA
Flashpoint	>200		99.0	99.0	Degrees F	1			D92	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CHI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CHI
6010D	Metals (ICP)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
9012B	Cyanide, Total and/or Amenable	SW846	EET CHI
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	EET CHI
9045D	pH	SW846	EET CHI
9066	Phenolics, Total Recoverable	SW846	EET CHI
9095B	Paint Filter	SW846	EET CHI
D92	Flashpoint	ASTM	EET CHI
Moisture	Percent Moisture	EPA	EET CHI
1311	TCLP Extraction	SW846	EET CHI
3010A	Preparation, Total Metals	SW846	EET CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CHI
3550C	Ultrasonic Extraction	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI
9010C	Cyanide, Distillation	SW846	EET CHI
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	EET CHI
Distill/Phenol	Distillation, Phenolics	None	EET CHI

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-239994-1	SMM MRP-P-2	Solid	09/21/23 07:15	09/22/23 12:42

1

2

3

4

5

6

7

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9

10

11

12

13

14

15

Client Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Date Collected: 09/21/23 07:15

Matrix: Solid

Date Received: 09/22/23 12:42

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Benzene	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Chlorobenzene	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Chloroform	<0.040		0.040	0.020	mg/L			10/02/23 12:51	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			10/02/23 12:51	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Trichloroethene	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			10/02/23 12:51	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		10/02/23 12:51	20
4-Bromofluorobenzene (Surr)	106		72 - 124		10/02/23 12:51	20
Dibromofluoromethane	96		75 - 120		10/02/23 12:51	20
Toluene-d8 (Surr)	93		75 - 120		10/02/23 12:51	20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.10		0.10	0.10	mg/L		10/03/23 12:43	10/04/23 17:52	5
2,4,5-Trichlorophenol	<0.50		0.50	0.50	mg/L		10/03/23 12:43	10/04/23 17:52	5
2,4,6-Trichlorophenol	<0.25		0.25	0.25	mg/L		10/03/23 12:43	10/04/23 17:52	5
2,4-Dinitrotoluene	<0.050		0.050	0.050	mg/L		10/03/23 12:43	10/04/23 17:52	5
2-Methylphenol	<0.10		0.10	0.10	mg/L		10/03/23 12:43	10/04/23 17:52	5
3 & 4 Methylphenol	<0.10		0.10	0.10	mg/L		10/03/23 12:43	10/04/23 17:52	5
Hexachloro-1,3-butadiene	<0.25		0.25	0.25	mg/L		10/03/23 12:43	10/04/23 17:52	5
Hexachlorobenzene	<0.025	++	0.025	0.025	mg/L		10/03/23 12:43	10/04/23 17:52	5
Hexachloroethane	<0.25		0.25	0.25	mg/L		10/03/23 12:43	10/04/23 17:52	5
Nitrobenzene	<0.050		0.050	0.050	mg/L		10/03/23 12:43	10/04/23 17:52	5
Pentachlorophenol	<1.0		1.0	1.0	mg/L		10/03/23 12:43	10/04/23 17:52	5
Pyridine	<1.0		1.0	1.0	mg/L		10/03/23 12:43	10/04/23 17:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		40 - 145	10/03/23 12:43	10/04/23 17:52	5
2-Fluorobiphenyl	85		34 - 110	10/03/23 12:43	10/04/23 17:52	5
2-Fluorophenol	40		27 - 110	10/03/23 12:43	10/04/23 17:52	5
Nitrobenzene-d5	80		36 - 120	10/03/23 12:43	10/04/23 17:52	5
Phenol-d5	26		20 - 100	10/03/23 12:43	10/04/23 17:52	5
Terphenyl-d14	93		40 - 145	10/03/23 12:43	10/04/23 17:52	5

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/23 18:53	10/03/23 14:23	1
Barium	0.22	J	0.50	0.050	mg/L		10/02/23 18:53	10/03/23 14:23	1
Cadmium	0.0075		0.0050	0.0020	mg/L		10/02/23 18:53	10/03/23 14:23	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/23 18:53	10/03/23 14:23	1
Lead	0.55		0.050	0.0075	mg/L		10/02/23 18:53	10/03/23 14:23	1
Selenium	<0.050		0.050	0.020	mg/L		10/02/23 18:53	10/03/23 14:23	1
Silver	<0.025		0.025	0.010	mg/L		10/02/23 18:53	10/03/23 14:23	1

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Client Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Date Collected: 09/21/23 07:15

Matrix: Solid

Date Received: 09/22/23 12:42

Method: SW846 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/23 10:45	10/05/23 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	7.9		0.2	0.2	SU			09/26/23 10:51	1
Flashpoint (ASTM D92)	>200		99.0	99.0	Degrees F			10/03/23 01:00	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid (SW846 9095B)	PASS				No Unit			10/02/23 22:00	1

Client Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Date Collected: 09/21/23 07:15

Matrix: Solid

Date Received: 09/22/23 12:42

Percent Solids: 99.0

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1221	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1232	3500		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1242	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1248	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1254	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5
PCB-1260	<830		830	410	ug/Kg	☼	10/05/23 08:54	10/06/23 13:37	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		49 - 129	10/05/23 08:54	10/06/23 13:37	5
DCB Decachlorobiphenyl	63		37 - 121	10/05/23 08:54	10/06/23 13:37	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.21		0.21	0.11	mg/Kg	☼	10/03/23 10:50	10/04/23 11:56	1
Sulfide (SW846 9034)	<9.8		9.8	4.6	mg/Kg	☼	10/05/23 09:30	10/05/23 12:25	1
Phenolics, Total Recoverable (SW846 9066)	0.33	J B	0.41	0.33	mg/Kg	☼	09/28/23 15:55	09/30/23 10:02	1

Definitions/Glossary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

GC/MS VOA

Leach Batch: 734702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	1311	
LB 500-734702/1-A	Method Blank	TCLP	Solid	1311	
LCS 500-734702/2-A	Lab Control Sample	TCLP	Solid	1311	

Analysis Batch: 734818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	8260D	734702
LB 500-734702/1-A	Method Blank	TCLP	Solid	8260D	734702
MB 500-734818/6	Method Blank	Total/NA	Solid	8260D	
LCS 500-734702/2-A	Lab Control Sample	TCLP	Solid	8260D	734702
LCS 500-734818/4	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS Semi VOA

Leach Batch: 734672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	1311	
LB 500-734672/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 735140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	3510C	734672
LB 500-734672/1-C	Method Blank	TCLP	Solid	3510C	734672
MB 500-735140/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 500-735140/2-A	Lab Control Sample	Total/NA	Solid	3510C	

Analysis Batch: 735251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	8270E	735140
LB 500-734672/1-C	Method Blank	TCLP	Solid	8270E	735140
MB 500-735140/1-A	Method Blank	Total/NA	Solid	8270E	735140
LCS 500-735140/2-A	Lab Control Sample	Total/NA	Solid	8270E	735140

GC Semi VOA

Prep Batch: 735507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	3550C	
MB 500-735507/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 500-735507/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 500-735507/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 735587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-735507/1-A	Method Blank	Total/NA	Solid	8082A	735507
LCS 500-735507/2-A	Lab Control Sample	Total/NA	Solid	8082A	735507
LCSD 500-735507/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	735507

Analysis Batch: 735729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	8082A	735507

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QC Association Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Metals

Leach Batch: 734672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	1311	
LB 500-734672/1-B	Method Blank	TCLP	Solid	1311	
LB 500-734672/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 734985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	3010A	734672
LB 500-734672/1-B	Method Blank	TCLP	Solid	3010A	734672
LCS 500-734985/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 735332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	7470A	734672
LB 500-734672/1-D	Method Blank	TCLP	Solid	7470A	734672
MB 500-735332/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-735332/14-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 735342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	6010D	734985
LB 500-734672/1-B	Method Blank	TCLP	Solid	6010D	734985
LCS 500-734985/2-A	Lab Control Sample	Total/NA	Solid	6010D	734985

Analysis Batch: 735550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	TCLP	Solid	7470A	735332
LB 500-734672/1-D	Method Blank	TCLP	Solid	7470A	735332
MB 500-735332/12-A	Method Blank	Total/NA	Solid	7470A	735332
LCS 500-735332/14-A	Lab Control Sample	Total/NA	Solid	7470A	735332

General Chemistry

Analysis Batch: 734014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	Moisture	

Analysis Batch: 734029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9045D	
LCS 500-734029/5	Lab Control Sample	Total/NA	Solid	9045D	
LCSD 500-734029/6	Lab Control Sample Dup	Total/NA	Solid	9045D	

Prep Batch: 734499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	Distill/Phenol	
MB 500-734499/1-A	Method Blank	Total/NA	Solid	Distill/Phenol	
LCS 500-734499/2-A	Lab Control Sample	Total/NA	Solid	Distill/Phenol	

Analysis Batch: 734753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9066	734499

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QC Association Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

General Chemistry (Continued)

Analysis Batch: 734753 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-734499/1-A	Method Blank	Total/NA	Solid	9066	734499
LCS 500-734499/2-A	Lab Control Sample	Total/NA	Solid	9066	734499

Analysis Batch: 734990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9095B	

Analysis Batch: 734995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	D92	

Prep Batch: 735101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9010C	
MB 500-735101/1-A	Method Blank	Total/NA	Solid	9010C	
LCS 500-735101/2-A	Lab Control Sample	Total/NA	Solid	9010C	

Analysis Batch: 735355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9012B	735101
MB 500-735101/1-A	Method Blank	Total/NA	Solid	9012B	735101
LCS 500-735101/2-A	Lab Control Sample	Total/NA	Solid	9012B	735101

Prep Batch: 735379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9030B	
MB 500-735379/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 500-735379/2-A	Lab Control Sample	Total/NA	Solid	9030B	

Analysis Batch: 735561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-239994-1	SMM MRP-P-2	Total/NA	Solid	9034	735379
MB 500-735379/1-A	Method Blank	Total/NA	Solid	9034	735379
LCS 500-735379/2-A	Lab Control Sample	Total/NA	Solid	9034	735379

Surrogate Summary

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
LCS 500-734818/4	Lab Control Sample	90	98	94	93
MB 500-734818/6	Method Blank	93	100	91	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-239994-1	SMM MRP-P-2	97	106	96	93
LB 500-734702/1-A	Method Blank	92	104	92	95
LCS 500-734702/2-A	Lab Control Sample	96	100	99	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (40-145)	FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)
LCS 500-735140/2-A	Lab Control Sample	147 S1+	95	54	90	38	103
MB 500-735140/1-A	Method Blank	59	49	36	43	26	67

Surrogate Legend

TBP = 2,4,6-Tribromophenol

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (40-145)	FBP (34-110)	2FP (27-110)	NBZ (36-120)	PHL (20-100)	TPHL (40-145)
500-239994-1	SMM MRP-P-2	106	85	40	80	26	93
LB 500-734672/1-C	Method Blank	141	93	49	87	32	102

Surrogate Legend

TBP = 2,4,6-Tribromophenol

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Surrogate Summary

Client: LaRose & Bosco Ltd

Job ID: 500-239994-1

Project/Site: Environmental Testing - SMM MRP-P-2

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

PHL = Phenol-d5

TPHL = Terphenyl-d14

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	DCBP1
		(49-129)	(37-121)
500-239994-1	SMM MRP-P-2	59	63
LCS 500-735507/2-A	Lab Control Sample	80	82
MB 500-735507/1-A	Method Blank	94	98

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	DCBP1
		(49-129)	(37-121)
LCSD 500-735507/3-A	Lab Control Sample Dup		

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-734818/6

Matrix: Solid

Analysis Batch: 734818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
1,2-Dichloroethane	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Benzene	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Carbon tetrachloride	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Chlorobenzene	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Chloroform	<0.0020		0.0020	0.0010	mg/L			10/02/23 10:01	1
Methyl Ethyl Ketone	<0.0050		0.0050	0.0025	mg/L			10/02/23 10:01	1
Tetrachloroethene	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Trichloroethene	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1
Vinyl chloride	<0.0010		0.0010	0.00050	mg/L			10/02/23 10:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		10/02/23 10:01	1
4-Bromofluorobenzene (Surr)	100		72 - 124		10/02/23 10:01	1
Dibromofluoromethane	91		75 - 120		10/02/23 10:01	1
Toluene-d8 (Surr)	94		75 - 120		10/02/23 10:01	1

Lab Sample ID: LCS 500-734818/4

Matrix: Solid

Analysis Batch: 734818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	0.0500	0.0463		mg/L		93	67 - 122
1,2-Dichloroethane	0.0500	0.0452		mg/L		90	68 - 127
Benzene	0.0500	0.0455		mg/L		91	70 - 120
Carbon tetrachloride	0.0500	0.0470		mg/L		94	59 - 133
Chlorobenzene	0.0500	0.0455		mg/L		91	70 - 120
Chloroform	0.0500	0.0447		mg/L		89	70 - 120
Methyl Ethyl Ketone	0.0500	0.0434		mg/L		87	46 - 144
Tetrachloroethene	0.0500	0.0506		mg/L		101	70 - 128
Trichloroethene	0.0500	0.0494		mg/L		99	70 - 125
Vinyl chloride	0.0500	0.0532		mg/L		106	64 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		75 - 126
4-Bromofluorobenzene (Surr)	98		72 - 124
Dibromofluoromethane	94		75 - 120
Toluene-d8 (Surr)	93		75 - 120

Lab Sample ID: LB 500-734702/1-A

Matrix: Solid

Analysis Batch: 734818

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
1,2-Dichloroethane	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
Benzene	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
Carbon tetrachloride	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 500-734702/1-A

Matrix: Solid

Analysis Batch: 734818

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
Chloroform	<0.040		0.040	0.020	mg/L			10/02/23 10:25	20
Methyl Ethyl Ketone	<0.10		0.10	0.050	mg/L			10/02/23 10:25	20
Tetrachloroethene	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
Trichloroethene	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20
Vinyl chloride	<0.020		0.020	0.010	mg/L			10/02/23 10:25	20

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		75 - 126		10/02/23 10:25	20
4-Bromofluorobenzene (Surr)	104		72 - 124		10/02/23 10:25	20
Dibromofluoromethane	92		75 - 120		10/02/23 10:25	20
Toluene-d8 (Surr)	95		75 - 120		10/02/23 10:25	20

Lab Sample ID: LCS 500-734702/2-A

Matrix: Solid

Analysis Batch: 734818

Client Sample ID: Lab Control Sample

Prep Type: TCLP

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	1.00	0.929		mg/L		93	67 - 122
1,2-Dichloroethane	1.00	0.976		mg/L		98	68 - 127
Benzene	1.00	0.941		mg/L		94	70 - 120
Carbon tetrachloride	1.00	0.988		mg/L		99	59 - 133
Chlorobenzene	1.00	0.907		mg/L		91	70 - 120
Chloroform	1.00	0.947		mg/L		95	70 - 120
Methyl Ethyl Ketone	1.00	0.881		mg/L		88	46 - 144
Tetrachloroethene	1.00	0.981		mg/L		98	70 - 128
Trichloroethene	1.00	1.02		mg/L		102	70 - 125
Vinyl chloride	1.00	1.07		mg/L		107	64 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		75 - 126
4-Bromofluorobenzene (Surr)	100		72 - 124
Dibromofluoromethane	99		75 - 120
Toluene-d8 (Surr)	90		75 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-735140/1-A

Matrix: Solid

Analysis Batch: 735251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 735140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0020		0.0020	0.0020	mg/L		10/03/23 12:43	10/04/23 12:04	1
2,4,5-Trichlorophenol	<0.010		0.010	0.010	mg/L		10/03/23 12:43	10/04/23 12:04	1
2,4,6-Trichlorophenol	<0.0050		0.0050	0.0050	mg/L		10/03/23 12:43	10/04/23 12:04	1
2,4-Dinitrotoluene	<0.0010		0.0010	0.0010	mg/L		10/03/23 12:43	10/04/23 12:04	1
2-Methylphenol	<0.0020		0.0020	0.0020	mg/L		10/03/23 12:43	10/04/23 12:04	1
3 & 4 Methylphenol	<0.0020		0.0020	0.0020	mg/L		10/03/23 12:43	10/04/23 12:04	1

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-735140/1-A

Matrix: Solid

Analysis Batch: 735251

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 735140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	<0.0050		0.0050	0.0050	mg/L		10/03/23 12:43	10/04/23 12:04	1
Hexachlorobenzene	<0.00050		0.00050	0.00050	mg/L		10/03/23 12:43	10/04/23 12:04	1
Hexachloroethane	<0.0050		0.0050	0.0050	mg/L		10/03/23 12:43	10/04/23 12:04	1
Nitrobenzene	<0.0010		0.0010	0.0010	mg/L		10/03/23 12:43	10/04/23 12:04	1
Pentachlorophenol	<0.020		0.020	0.020	mg/L		10/03/23 12:43	10/04/23 12:04	1
Pyridine	<0.020		0.020	0.020	mg/L		10/03/23 12:43	10/04/23 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	59		40 - 145	10/03/23 12:43	10/04/23 12:04	1
2-Fluorobiphenyl	49		34 - 110	10/03/23 12:43	10/04/23 12:04	1
2-Fluorophenol	36		27 - 110	10/03/23 12:43	10/04/23 12:04	1
Nitrobenzene-d5	43		36 - 120	10/03/23 12:43	10/04/23 12:04	1
Phenol-d5	26		20 - 100	10/03/23 12:43	10/04/23 12:04	1
Terphenyl-d14	67		40 - 145	10/03/23 12:43	10/04/23 12:04	1

Lab Sample ID: LCS 500-735140/2-A

Matrix: Solid

Analysis Batch: 735251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 735140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	0.0400	0.0291		mg/L		73	23 - 110
2,4,5-Trichlorophenol	0.0400	0.0455		mg/L		114	63 - 124
2,4,6-Trichlorophenol	0.0400	0.0434		mg/L		108	62 - 121
2,4-Dinitrotoluene	0.0400	0.0498		mg/L		124	63 - 129
2-Methylphenol	0.0400	0.0310		mg/L		78	53 - 115
3 & 4 Methylphenol	0.0400	0.0303		mg/L		76	50 - 116
Hexachloro-1,3-butadiene	0.0400	0.0339		mg/L		85	20 - 100
Hexachlorobenzene	0.0400	0.0518	*+	mg/L		129	61 - 126
Hexachloroethane	0.0400	0.0276		mg/L		69	20 - 100
Nitrobenzene	0.0400	0.0348		mg/L		87	54 - 121
Pentachlorophenol	0.0800	0.108		mg/L		136	42 - 148
Pyridine	0.0800	<0.020		mg/L		17	15 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	147	S1+	40 - 145
2-Fluorobiphenyl	95		34 - 110
2-Fluorophenol	54		27 - 110
Nitrobenzene-d5	90		36 - 120
Phenol-d5	38		20 - 100
Terphenyl-d14	103		40 - 145

Lab Sample ID: LB 500-734672/1-C

Matrix: Solid

Analysis Batch: 735251

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 735140

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.020		0.020	0.020	mg/L		10/03/23 12:43	10/04/23 15:47	1
2,4,5-Trichlorophenol	<0.10		0.10	0.10	mg/L		10/03/23 12:43	10/04/23 15:47	1

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 500-734672/1-C

Matrix: Solid

Analysis Batch: 735251

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 735140

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	<0.050		0.050	0.050	mg/L		10/03/23 12:43	10/04/23 15:47	1
2,4-Dinitrotoluene	<0.010		0.010	0.010	mg/L		10/03/23 12:43	10/04/23 15:47	1
2-Methylphenol	<0.020		0.020	0.020	mg/L		10/03/23 12:43	10/04/23 15:47	1
3 & 4 Methylphenol	<0.020		0.020	0.020	mg/L		10/03/23 12:43	10/04/23 15:47	1
Hexachloro-1,3-butadiene	<0.050		0.050	0.050	mg/L		10/03/23 12:43	10/04/23 15:47	1
Hexachlorobenzene	<0.0050		0.0050	0.0050	mg/L		10/03/23 12:43	10/04/23 15:47	1
Hexachloroethane	<0.050		0.050	0.050	mg/L		10/03/23 12:43	10/04/23 15:47	1
Nitrobenzene	<0.010		0.010	0.010	mg/L		10/03/23 12:43	10/04/23 15:47	1
Pentachlorophenol	<0.20		0.20	0.20	mg/L		10/03/23 12:43	10/04/23 15:47	1
Pyridine	<0.20		0.20	0.20	mg/L		10/03/23 12:43	10/04/23 15:47	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	141		40 - 145	10/03/23 12:43	10/04/23 15:47	1
2-Fluorobiphenyl	93		34 - 110	10/03/23 12:43	10/04/23 15:47	1
2-Fluorophenol	49		27 - 110	10/03/23 12:43	10/04/23 15:47	1
Nitrobenzene-d5	87		36 - 120	10/03/23 12:43	10/04/23 15:47	1
Phenol-d5	32		20 - 100	10/03/23 12:43	10/04/23 15:47	1
Terphenyl-d14	102		40 - 145	10/03/23 12:43	10/04/23 15:47	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 500-735507/1-A

Matrix: Solid

Analysis Batch: 735587

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 735507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1221	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1232	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1242	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1248	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1254	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1
PCB-1260	<170		170	83	ug/Kg		10/05/23 08:54	10/05/23 14:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		49 - 129	10/05/23 08:54	10/05/23 14:51	1
DCB Decachlorobiphenyl	98		37 - 121	10/05/23 08:54	10/05/23 14:51	1

Lab Sample ID: LCS 500-735507/2-A

Matrix: Solid

Analysis Batch: 735587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 735507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1670	1540		ug/Kg		92	57 - 120
PCB-1260	1670	1460		ug/Kg		88	61 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	80		49 - 129

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 500-735507/2-A

Matrix: Solid

Analysis Batch: 735587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 735507

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	82		37 - 121

Lab Sample ID: LCSD 500-735507/3-A

Matrix: Solid

Analysis Batch: 735587

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 735507

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	1670	1690		ug/Kg					
PCB-1260	1670	1630		ug/Kg					
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
Tetrachloro-m-xylene									
DCB Decachlorobiphenyl									

Method: 6010D - Metals (ICP)

Lab Sample ID: LCS 500-734985/2-A

Matrix: Solid

Analysis Batch: 735342

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 734985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.115		mg/L		115	80 - 120
Barium	0.500	0.520		mg/L		104	80 - 120
Cadmium	0.0500	0.0538		mg/L		108	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Lead	0.100	0.0986		mg/L		99	80 - 120
Selenium	0.100	0.0937		mg/L		94	80 - 120
Silver	0.0500	0.0540		mg/L		108	80 - 120

Lab Sample ID: LB 500-734672/1-B

Matrix: Solid

Analysis Batch: 735342

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 734985

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		10/02/23 18:53	10/03/23 14:00	1
Barium	<0.50		0.50	0.050	mg/L		10/02/23 18:53	10/03/23 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		10/02/23 18:53	10/03/23 14:00	1
Chromium	<0.025		0.025	0.010	mg/L		10/02/23 18:53	10/03/23 14:00	1
Lead	<0.050		0.050	0.0075	mg/L		10/02/23 18:53	10/03/23 14:00	1
Selenium	<0.050		0.050	0.020	mg/L		10/02/23 18:53	10/03/23 14:00	1
Silver	<0.025		0.025	0.010	mg/L		10/02/23 18:53	10/03/23 14:00	1

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-735332/12-A
Matrix: Solid
Analysis Batch: 735550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735332

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/23 10:45	10/05/23 09:03	1

Lab Sample ID: LCS 500-735332/14-A
Matrix: Solid
Analysis Batch: 735550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735332

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00203		mg/L		101	80 - 120

Lab Sample ID: LB 500-734672/1-D
Matrix: Solid
Analysis Batch: 735550

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 735332

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		10/04/23 10:45	10/05/23 09:55	1

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 500-735101/1-A
Matrix: Solid
Analysis Batch: 735355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735101

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.24		0.24	0.12	mg/Kg		10/03/23 10:50	10/04/23 11:29	1

Lab Sample ID: LCS 500-735101/2-A
Matrix: Solid
Analysis Batch: 735355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735101

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	2.40	2.29		mg/Kg		95	85 - 115

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 500-735379/1-A
Matrix: Solid
Analysis Batch: 735561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<10		10	4.7	mg/Kg		10/05/23 09:30	10/05/23 12:25	1

Lab Sample ID: LCS 500-735379/2-A
Matrix: Solid
Analysis Batch: 735561

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	166	172		mg/Kg		103	80 - 120

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QC Sample Results

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 500-734499/1-A
Matrix: Solid
Analysis Batch: 734753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 734499

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.540		0.50	0.41	mg/Kg		09/28/23 15:55	09/30/23 09:56	1

Lab Sample ID: LCS 500-734499/2-A
Matrix: Solid
Analysis Batch: 734753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 734499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenolics, Total Recoverable	10.0	9.88		mg/Kg		99	80 - 120

Lab Chronicle

Client: LaRose & Bosco Ltd
Project/Site: Environmental Testing - SMM MRP-P-2

Job ID: 500-239994-1

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Date Collected: 09/21/23 07:15

Matrix: Solid

Date Received: 09/22/23 12:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			734702	SP	EET CHI	09/29/23 13:54
TCLP	Analysis	8260D		20	734818	W1T	EET CHI	10/02/23 12:51
TCLP	Leach	1311			734672	SP	EET CHI	09/29/23 12:46 - 09/30/23 06:46 ¹
TCLP	Prep	3510C			735140	GM	EET CHI	10/03/23 12:43
TCLP	Analysis	8270E		5	735251	JSB	EET CHI	10/04/23 17:52
TCLP	Leach	1311			734672	SP	EET CHI	09/29/23 12:46 - 09/30/23 06:46 ¹
TCLP	Prep	3010A			734985	MC	EET CHI	10/02/23 18:53 - 10/02/23 23:53 ¹
TCLP	Analysis	6010D		1	735342	RN	EET CHI	10/03/23 14:23
TCLP	Leach	1311			734672	SP	EET CHI	09/29/23 12:46 - 09/30/23 06:46 ¹
TCLP	Prep	7470A			735332	MJG	EET CHI	10/04/23 10:45 - 10/04/23 12:45 ¹
TCLP	Analysis	7470A		1	735550	MJG	EET CHI	10/05/23 10:00
Total/NA	Analysis	9045D		1	734029	SO	EET CHI	09/26/23 10:51 - 09/26/23 10:57 ¹
Total/NA	Analysis	9095B		1	734990	CLB	EET CHI	10/02/23 22:00
Total/NA	Analysis	D92		1	734995	CLB	EET CHI	10/03/23 01:00 - 10/03/23 01:15 ¹
Total/NA	Analysis	Moisture		1	734014	LWN	EET CHI	09/26/23 10:06

Client Sample ID: SMM MRP-P-2

Lab Sample ID: 500-239994-1

Date Collected: 09/21/23 07:15

Matrix: Solid

Date Received: 09/22/23 12:42

Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			735507	DAK	EET CHI	10/05/23 08:54
Total/NA	Analysis	8082A		5	735729	MS	EET CHI	10/06/23 13:37
Total/NA	Prep	9010C			735101	KF	EET CHI	10/03/23 10:50 - 10/03/23 11:20 ¹
Total/NA	Analysis	9012B		1	735355	KF	EET CHI	10/04/23 11:56
Total/NA	Prep	9030B			735379	DM	EET CHI	10/05/23 09:30 - 10/05/23 11:00 ¹
Total/NA	Analysis	9034		1	735561	DM	EET CHI	10/05/23 12:25
Total/NA	Prep	Distill/Phenol			734499	KF	EET CHI	09/28/23 15:55 - 09/28/23 16:55 ¹
Total/NA	Analysis	9066		1	734753	KF	EET CHI	09/30/23 10:02

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: LaRose & Bosco Ltd

Job ID: 500-239994-1

Project/Site: Environmental Testing - SMM MRP-P-2

Laboratory: Eurofins Chicago

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2903	04-29-24
Georgia	State	N/A	04-29-24
Georgia (DW)	State	939	04-29-24
Hawaii	State	NA	04-29-24
Illinois	NELAP	IL00035	04-29-24
Indiana	State	C-IL-02	04-29-24
Iowa	State	082	05-01-24
Kansas	NELAP	E-10161	10-31-23
Kentucky (UST)	State	AI # 108083	04-29-24
Kentucky (WW)	State	KY90023	12-31-23
Louisiana (All)	NELAP	02046	06-30-23 *
Mississippi	State	NA	04-29-24
North Carolina (WW/SW)	State	291	12-31-23
North Dakota	State	R-194	04-29-24
South Carolina	State	77001003	04-29-24
USDA	US Federal Programs	P330-18-00018	02-11-24
Wisconsin	State	999580010	08-31-24
Wyoming	State	8TMS-Q	04-29-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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Chain of Custody Record



n e n t i s



Client Contact		Project Manager:		Site Contact:		Date:	
LaRose & Bosco, Ltd.		Tel/Fax:		Lab Contact:		Carrier:	
Address : 1011 Lake Street, Suite 100		Analysis Turnaround Time		Job No		COC No	
City/State/Zip: Oak Park, IL 60301		Calendar (C) or Work Days (W)		SDG No		of	
(312) 642-4414		TAT if different from Below		See attached		COCs	
(312) 858-1829		<input type="checkbox"/> 2 weeks		by		Job No	
Project Name		<input type="checkbox"/> 1 week		10-6-2023		SDG No	
Site		<input type="checkbox"/> 2 days		1 day		500-239994	
P O #		<input type="checkbox"/> 1 day		Sample Date		Sample Specific Notes	
Sample Identification		Sample Time		Sample Type		Matrix	
SMM MRP-P-2		9:21 7:15am		3		3	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other		Sample Date		Sample Time		Sample Type	
Possible Hazard Identification		Sample Date		Sample Time		Sample Type	
<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B	
<input type="checkbox"/> Unknown		<input type="checkbox"/> Unknown		<input type="checkbox"/> Unknown		<input type="checkbox"/> Unknown	
Special Instructions/QC Requirements & Comments:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client		Disposal By Lab	
		<input type="checkbox"/> Return To Client		<input type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For	
		<input type="checkbox"/> Months		<input type="checkbox"/> Months		<input type="checkbox"/> Months	
Relinquished by		Company		Received by		Date/Time	
Relinquished by		Company		Received by		Date/Time	
Relinquished by		Company		Received by		Date/Time	

Login Sample Receipt Checklist

Client: LaRose & Bosco Ltd

Job Number: 500-239994-1

Login Number: 239994

List Number: 1

Creator: James, Jeff A

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	