

**WELLINGTON
LABORATORIES INC.**

*Environmental Contaminant Analysis
Analytical Reference Standards*

SAMPLE RECEIPT FORM/CHEMICAL ANALYSIS REPORT

FILE #: 2004-200-BT **CLIENT:** Bodycote Essais de Matériaux Canada Inc. / SCOTT CRABTREE
 1818 rte l'Aéroport
 Ste-Foy, Quebec
 G2G 2P8
 tel. (418) 871-8722
 fax. (418) 871-9556

CLIENT #S: PO # CT-05083

RECEIVED BY: F. Utley **DATE/TIME:** May 14/2004 (11:30 am)
CHECKED BY: F. Utley **DATE/TIME:** May 14/2004 (11:30 am)

CONDITION: INTACT
LABELLING: NO ANOMOLIES

# of Samples	Sample Type	Sample (Client Codes)	Lab Codes
1	sludge	102120-477547, 5/10-05-04	2004200-547

STORAGE: Refrigerated at 4°C in the dark until processed
ANALYTES: HRGC/HRMS analysis for PCDD/PCDF analysis
SPECIAL INSTRUCTIONS: fax results to Mathieu Mongrain by May 20/2004

METHODOLOGY:

Reference Method: Environment Canada EPS 1/RM/19

Data summarized in Table A (attached)

Data faxed to: Mathieu Mongrain Date: June 3/2004
 Report sent to: Mathieu Mongrain Date: June 14/2004

Comments: Surrogate recoveries, the lab blank and all other QA/QC data associated with this analysis were acceptable according to the reference method.

Approved by: Skinner Date: June 14/04

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Table A (cont.)

102120-477547
5/10-05-04

% Recovery
of Surrogates:

13C-2378-TCDF	112
13C-2378-TCDD	85
13C-12378-PeCDF	72
13C-23478-PeCDF	72
13C-12378-PeCDD	81
13C-123478-HxCDF	93
13C-123678-HxCDF	100
13C-234678-HxCDF	96
13C-123789-HxCDF	96
13C-123478-HxCDD	104
13C-123678-HxCDD	97
13C-1234678-HpCDF	98
13C-1234789-HpCDF	97
13C-1234678-HpCDD	95
13C-OCDD	86

ND - none detected (detection limits in brackets)

NDR - none detected based on peak ratio

NDS - none detected based on peak shape

DPE - diphenyl ether interference

C. Tashiro
Analyst

June 3, 2004
Date

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Table A: Dioxins and Furans: Sludge Sample (ppt)

	102120-477547 5/10-05-04	# of pks
Furans:		
2378-TCDF	17.0	
Total TCDFs	30.2	7
12378-PeCDF	0.7	
23478-PeCDF	1.1	
Total PeCDFs	3.1	3
123478-HxCDF	NDR (0.8)	
123678-HxCDF	NDR (0.5)	
234678-HxCDF	ND (0.2)	
123789-HxCDF	ND (0.3)	
Total HxCDFs	8.5	3
1234678-HpCDF	13.1	
1234789-HpCDF	0.7	
Total HpCDFs	40.6	3
OCDF	42.5	1
Dioxins:		
2378-TCDD	NDR (0.7)	
Total TCDDs	ND (0.7)	
12378-PeCDD	ND (0.4)	
Total PeCDDs	ND (0.4)	
123478-HxCDD	ND (0.3)	
123678-HxCDD	4.1	
123789-HxCDD	1.7	
Total HxCDDs	16.4	3
1234678-HpCDD	73.4	
Total HpCDDs	134	2
OCDD	843	1
Toxic Equivalent (TEQ)	4.62 ppt	

E. Tashiro
Analyst

June 3, 2004
Date