

L" T i m e s N e w R o m a n , B o l d I t a l i c " 1 8

CLIENT INFORMATION

Attention:

Client Name:

Project:

Project Desc:

Address:

Fax Number:

Phone Number:

NOTES:

Methods used by PSC Analytical Services are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', Nineteenth Edition. Other methods are based on the principles of MISA or EPA methodologies. New York State: ELAP Identification Number 10756.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at PSC Analytical Services for a period of three weeks from receipt of data or as per contract.

COMMENTS:

L" T i m e s N e w R o m a n , B o l d I t a l i c " 1 2
C e r t i

L" T i m e s N e w R o m a n , B o l d I t a l i c " 1 8

Michael Salum
Philip Analytical Services Inc
Misc.

4418 Pottsville Pike
Reading, Pennsylvania
19605
610 921-9667
610 921-8833

*"-" = not analysed "<" = less than Method Detection Limit (MDL) 'NA' = no data available
LOQ can be determined for all analytes by multiplying the appropriate MDL X 3.33
Blank correction is only performed on oil and grease, BTEX, total purgeable hydrocarbons
and VOC analyses when Canadian methods are utilized.
Solids data is based on dry weight except for biota analyses.
Organic analyses are not corrected for extraction recovery standards except for isotope
dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)
The enclosed copy of the Chain of Custody Record may contain information necessary for the
interpretation of the data.*

L" T i m e s N e w R o m a n , B o l d I t a l i c " 1 2
C e r t i

L"Timess New Romann, Bold Italic"18

LABORATORY INFORMATION

Contact:	Ada Blythe, B.Sc., C.Chem.
Project:	AN023026
Date Received:	17-Sep-2002
Date Reported:	22-Oct-2002
Submission No.:	2I0211
Sample No.:	060285-065479

L"Timess New Romann, Bold Italic"12
 Clear

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		R02090957	R02090957	R02090957
	Client ID:	01A	02A	03A
	Lab No.:	060285 02	060286 02	060287 02
	Date Sampled:	12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	100	270	150
Total Pentachlorodibenzofurans	"	250	97	65
Total Hexachlorodibenzofurans	"	70	32	20
Total Heptachlorodibenzofurans	"	13	<20	<15
Octachlorodibenzofuran	"	17	13	13
Total Tetrachlorodibenzo-p-dioxins	"	940	310	150
Total Pentachlorodibenzo-p-dioxins	"	370	130	28
Total Hexachlorodibenzo-p-dioxins	"	110	55	29
Total Heptachlorodibenzo-p-dioxins	"	74	66	58
Octachlorodibenzo-p-dioxin	"	290	230	220
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		86	83	85
2,3,7,8-T4CDD-13C12		91	85	85
1,2,3,7,8-P5CDF-13C12		90	88	90
1,2,3,7,8-P5CDD-13C12		93	92	94
1,2,3,4,7,8-H6CDF-13C12		91	83	90
1,2,3,6,7,8-H6CDD-13C12		96	88	92
1,2,3,4,6,7,8-H7CDF-13C12		85	81	85
1,2,3,4,6,7,8-H7CDD-13C12		88	87	90
OCDD-13C12		93	88	97
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<70	<42	<21
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<2.8	<2.1	<3.2
1,2,3,7,8-Cl5-Dibenzofuran	"	<14	<5.9	<3.3
2,3,4,7,8-Cl5-Dibenzofuran	"	<19	9.8	6.9
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<4.0	<2.6	<2.6
1,2,3,4,7,8-Cl6-Dibenzofuran	"	19	10	7.9
1,2,3,6,7,8-Cl6-Dibenzofuran	"	7.4	<3.5	<3.7
2,3,4,6,7,8-Cl6-Dibenzofuran	"	7.0	<4.2	<4.4
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<3.5	<4.4	<4.7
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<5.2	<4.7	<6.9
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<4.7	<4.2	<6.2
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<4.3	<3.8	<5.6
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<19	<18	<14
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<11	<23	<17
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	40	34	32
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	17	13	13
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	290	230	220
2,3,7,8-TCDF (DB225)	pg	10	5.4	4.4
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		97	90	92
TEQ based on Nato Factors		13	10	9.3

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		R02090957	R02090957	R02090957
<i>Client ID:</i>		04A	05A	06A
<i>Lab No.:</i>		060288 02	060289 02	060290 02
<i>Date Sampled:</i>		12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	860	160	69
Total Pentachlorodibenzofurans	"	720	77	19
Total Hexachlorodibenzofurans	"	350	33	9.7
Total Heptachlorodibenzofurans	"	32	<5.3	<13
Octachlorodibenzofuran	"	41	7.9	6.7
Total Tetrachlorodibenzo-p-dioxins	"	1200	160	89
Total Pentachlorodibenzo-p-dioxins	"	1400	9.6	23
Total Hexachlorodibenzo-p-dioxins	"	670	18	5.1
Total Heptachlorodibenzo-p-dioxins	"	200	59	38
Octachlorodibenzo-p-dioxin	"	550	140	210
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		87	94	106
2,3,7,8-T4CDD-13C12		91	82	91
1,2,3,7,8-P5CDF-13C12		76	102	119
1,2,3,7,8-P5CDD-13C12		80	99	118
1,2,3,4,7,8-H6CDF-13C12		95	92	98
1,2,3,6,7,8-H6CDD-13C12		93	87	94
1,2,3,4,6,7,8-H7CDF-13C12		86	89	93
1,2,3,4,6,7,8-H7CDD-13C12		93	87	89
OCDD-13C12		100	76	81
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<170	<25	13
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	6.9	<5.1	<3.3
1,2,3,7,8-Cl5-Dibenzofuran	"	37	<1.5	<5.2
2,3,4,7,8-Cl5-Dibenzofuran	"	<68	<1.6	<5.5
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<17	<1.1	<2.9
1,2,3,4,7,8-Cl6-Dibenzofuran	"	83	9.6	5.9
1,2,3,6,7,8-Cl6-Dibenzofuran	"	31	<4.6	3.1
2,3,4,6,7,8-Cl6-Dibenzofuran	"	30	4.0	<2.5
1,2,3,7,8,9-Cl6-Dibenzofuran	"	3.3	<3.8	<1.9
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	9.0	<4.8	<3.5
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	17	<3.5	<2.5
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	25	<3.8	<2.7
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<77	<13	<11
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<1.8	<6.2	<1.6
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	100	<3.3	38
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	41	7.9	6.7
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	550	140	210
2,3,7,8-TCDF (DB225)	pg	27	<6.1	<4.1
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		100	90	96
TEQ based on Nato Factors		55	6.2	6.3

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		R02090957	R02090957	R02090957
	<i>Client ID:</i>	07A	08A	09A
	<i>Lab No.:</i>	060291 02	060292 02	060293 02
	<i>Date Sampled:</i>	12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	<2.9	88	330
Total Pentachlorodibenzofurans	"	<4.3	38	340
Total Hexachlorodibenzofurans	"	<1.2	15	170
Total Heptachlorodibenzofurans	"	<1.8	<13	20
Octachlorodibenzofuran	"	<3.8	11	72
Total Tetrachlorodibenzo-p-dioxins	"	9.9	160	360
Total Pentachlorodibenzo-p-dioxins	"	<3.8	13	370
Total Hexachlorodibenzo-p-dioxins	"	<13	15	440
Total Heptachlorodibenzo-p-dioxins	"	<3.3	60	300
Octachlorodibenzo-p-dioxin	"	16	210	890
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		83	84	102
2,3,7,8-T4CDD-13C12		74	73	88
1,2,3,7,8-P5CDF-13C12		89	84	101
1,2,3,7,8-P5CDD-13C12		88	83	98
1,2,3,4,7,8-H6CDF-13C12		94	85	97
1,2,3,6,7,8-H6CDD-13C12		85	78	90
1,2,3,4,6,7,8-H7CDF-13C12		86	81	100
1,2,3,4,6,7,8-H7CDD-13C12		78	77	97
OCDD-13C12		68	68	84
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<2.9	<23	<56
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<4.8	<3.8	<4.7
1,2,3,7,8-Cl5-Dibenzofuran	"	<4.1	<6.8	12
2,3,4,7,8-Cl5-Dibenzofuran	"	<4.4	<7.2	32
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<3.8	<3.6	<6.0
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<1.2	7.4	51
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<0.99	2.9	20
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<1.3	<2.8	<14
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<1.4	<3.1	<4.6
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<4.0	<4.4	<6.1
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<2.9	<3.2	14
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<3.1	<3.4	24
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<1.6	<12	<89
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<1.7	<6.6	<2.8
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	<3.3	35	160
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	<3.8	11	72
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	16	210	890
2,3,7,8-TCDF (DB225)	pg	<4.2	<5.4	12
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		79	79	97
TEQ based on Nato Factors		5.6	7.6	24

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		R02090957	R02090957	R02090957
	Client ID:	10A	11A	12A
	Lab No.:	060323 02	060324 02	060325 02
	Date Sampled:	12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	78	33	79
Total Pentachlorodibenzofurans	"	23	25	45
Total Hexachlorodibenzofurans	"	8.6	10	20
Total Heptachlorodibenzofurans	"	<9.7	<13	<15
Octachlorodibenzofuran	"	9.9	6.9	14
Total Tetrachlorodibenzo-p-dioxins	"	120	62	150
Total Pentachlorodibenzo-p-dioxins	"	23	19	31
Total Hexachlorodibenzo-p-dioxins	"	21	22	43
Total Heptachlorodibenzo-p-dioxins	"	21	34	100
Octachlorodibenzo-p-dioxin	"	47	110	250
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		93	90	94
2,3,7,8-T4CDD-13C12		87	83	86
1,2,3,7,8-P5CDF-13C12		99	88	104
1,2,3,7,8-P5CDD-13C12		98	87	100
1,2,3,4,7,8-H6CDF-13C12		96	94	97
1,2,3,6,7,8-H6CDD-13C12		92	93	91
1,2,3,4,6,7,8-H7CDF-13C12		91	89	91
1,2,3,4,6,7,8-H7CDD-13C12		93	90	90
OCDD-13C12		87	90	88
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<18	<14	<18
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<2.4	<2.4	<2.0
1,2,3,7,8-Cl5-Dibenzofuran	"	4.8	<4.1	<2.7
2,3,4,7,8-Cl5-Dibenzofuran	"	5.6	<4.2	5.2
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<2.2	<2.5	<3.2
1,2,3,4,7,8-Cl6-Dibenzofuran	"	4.8	4.1	5.9
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<2.8	<2.3	3.0
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<3.3	<2.7	<2.9
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<3.5	<2.9	<3.1
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<3.0	<2.9	<2.8
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<2.7	<2.6	3.2
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<2.4	<2.4	<2.3
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<8.7	<11	<13
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<11	<15	<17
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	12	18	59
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	9.9	6.9	14
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	47	110	250
2,3,7,8-TCDF (DB225)	pg	<3.6	<3.7	<4.3
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		97	93	99
TEQ based on Nato Factors		6.6	4.8	7.5

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		R02090957	R02090957	R02090957
	Client ID:	13A	14A	15A
	Lab No.:	060326 02	060327 02	060328 02
	Date Sampled:	12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	2.8	17	170
Total Pentachlorodibenzofurans	"	<3.5	39	40
Total Hexachlorodibenzofurans	"	<2.6	29	19
Total Heptachlorodibenzofurans	"	<10	<18	<20
Octachlorodibenzofuran	"	<4.5	17	16
Total Tetrachlorodibenzo-p-dioxins	"	5.7	83	160
Total Pentachlorodibenzo-p-dioxins	"	<2.0	65	37
Total Hexachlorodibenzo-p-dioxins	"	<2.6	69	41
Total Heptachlorodibenzo-p-dioxins	"	10	50	25
Octachlorodibenzo-p-dioxin	"	28	110	150
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		88	98	66
2,3,7,8-T4CDD-13C12		83	88	63
1,2,3,7,8-P5CDF-13C12		94	105	66
1,2,3,7,8-P5CDD-13C12		100	106	65
1,2,3,4,7,8-H6CDF-13C12		99	103	72
1,2,3,6,7,8-H6CDD-13C12		99	98	71
1,2,3,4,6,7,8-H7CDF-13C12		96	96	70
1,2,3,4,6,7,8-H7CDD-13C12		99	94	69
OCDD-13C12		93	96	70
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<2.8	<11	<25
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<2.3	<2.8	<3.3
1,2,3,7,8-Cl5-Dibenzofuran	"	<3.4	<5.6	<4.6
2,3,4,7,8-Cl5-Dibenzofuran	"	<3.6	<8.4	<4.8
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<2.0	<3.5	<3.0
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<2.4	9.3	7.9
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<2.3	<6.1	<4.5
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<2.7	7.0	<5.4
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<2.9	<2.9	<5.7
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<2.9	3.8	<3.2
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<2.6	4.2	<2.9
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<2.4	6.0	<2.6
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<9.2	<16	<18
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<12	<20	<22
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	6.6	28	<23
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	<4.5	17	16
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	28	110	150
2,3,7,8-TCDF (DB225)	pg	<4.2	<3.1	<8.8
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		94	99	73
TEQ based on Nato Factors		4	8.7	6.6

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		R02090957	R02090957	R02090957
	Client ID:	16A	17A	18A
	Lab No.:	060329 02	060330 02	060331 02
	Date Sampled:	12-Sep-2002	12-Sep-2002	12-Sep-2002
Component	Units			
Total Tetrachlorodibenzofurans	pg	5.9	36	90
Total Pentachlorodibenzofurans	"	<3.9	13	39
Total Hexachlorodibenzofurans	"	<1.2	5.4	20
Total Heptachlorodibenzofurans	"	<1.8	<1.1	<2.0
Octachlorodibenzofuran	"	<3.1	<3.6	12
Total Tetrachlorodibenzo-p-dioxins	"	21	30	86
Total Pentachlorodibenzo-p-dioxins	"	5.7	<4.7	38
Total Hexachlorodibenzo-p-dioxins	"	<13	<19	6.0
Total Heptachlorodibenzo-p-dioxins	"	5.4	4.3	80
Octachlorodibenzo-p-dioxin	"	27	28	340
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		95	111	102
2,3,7,8-T4CDD-13C12		87	74	84
1,2,3,7,8-P5CDF-13C12		93	103	104
1,2,3,7,8-P5CDD-13C12		94	104	106
1,2,3,4,7,8-H6CDF-13C12		92	96	95
1,2,3,6,7,8-H6CDD-13C12		92	96	91
1,2,3,4,6,7,8-H7CDF-13C12		94	93	91
1,2,3,4,6,7,8-H7CDD-13C12		93	92	89
OCDD-13C12		81	81	79
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<3.4	11	17
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<3.6	<4.8	<3.3
1,2,3,7,8-Cl5-Dibenzofuran	"	<3.8	<5.5	<3.6
2,3,4,7,8-Cl5-Dibenzofuran	"	<4.1	<5.8	<4.4
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<3.7	<4.7	<4.9
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<1.2	2.1	7.1
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<0.98	<1.4	<2.8
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<1.3	<1.8	<3.6
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<1.4	<2.0	<4.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<3.6	<3.8	<4.4
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<2.6	<2.7	<3.3
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<2.8	<3.0	<3.5
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<1.6	<2.1	<15
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<2.1	<1.2	<2.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	5.4	4.3	41
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	<3.1	<3.6	12
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	27	28	340
2,3,7,8-TCDF (DB225)	pg	<4.1	<3.8	<3.9
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		102	92	98
TEQ based on Nato Factors		4.8	6.3	6.9

R0C0l0i0e0n0t0:0P0h0i0l0i0p0 0A0n0a0l0y0t0i0c0a0l0

L0D0C0"010im0e0s0 0N0e0w0 0R0o0m0a0n0,0B0o0l0d0 0l0t0a0l0i0c0"01040P0A0S0

	Method	Method	Blank	
<i>Client ID:</i>	Blank 10/08	Blank 10/09	Spike	
<i>Lab No.:</i>				
<i>Date Sampled:</i>	12-Sep-2002	12-Sep-2002		
Component	Units			
Total Tetrachlorodibenzofurans	pg	<4.4	<1.5	1100
Total Pentachlorodibenzofurans	"	<10	<1.8	5300
Total Hexachlorodibenzofurans	"	5.4	<3.0	9100
Total Heptachlorodibenzofurans	"	21	<3.3	5000
Octachlorodibenzofuran	"	33	<5.3	4700
Total Tetrachlorodibenzo-p-dioxins	"	<6.0	<1.8	1000
Total Pentachlorodibenzo-p-dioxins	"	<5.2	<2.5	2700
Total Hexachlorodibenzo-p-dioxins	"	<7.4	<2.7	7200
Total Heptachlorodibenzo-p-dioxins	"	21	10	2500
Octachlorodibenzo-p-dioxin	"	42	30	4800
Internal Recoveries	%			
2,3,7,8-T4CDF-13C12		74	86	86
2,3,7,8-T4CDD-13C12		77	80	81
1,2,3,7,8-P5CDF-13C12		75	86	88
1,2,3,7,8-P5CDD-13C12		80	87	90
1,2,3,4,7,8-H6CDF-13C12		74	100	93
1,2,3,6,7,8-H6CDD-13C12		78	100	95
1,2,3,4,6,7,8-H7CDF-13C12		69	98	95
1,2,3,4,6,7,8-H7CDD-13C12		80	100	95
OCDD-13C12		78	94	86
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<4.4	<1.5	1000
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<6.0	<1.8	1000
1,2,3,7,8-Cl5-Dibenzofuran	"	<10	<1.8	2600
2,3,4,7,8-Cl5-Dibenzofuran	"	<10	<1.9	2700
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<5.2	<2.5	2700
1,2,3,4,7,8-Cl6-Dibenzofuran	"	5.2	<2.8	2400
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<3.7	<2.6	2200
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<4.5	<3.2	2400
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<4.7	<3.4	2100
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<8.2	<3.0	2500
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<7.4	<2.7	2500
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<6.7	<2.5	2300
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	11	<3.0	2500
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<5.7	<3.8	2500
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	21	6.7	2400
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	33	<5.3	4700
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	42	30	4800
2,3,7,8-TCDF (DB225)	pg	-		
Internal Recoveries	%			
2,3,7,8-TCDF-13C12		-		
TEQ based on Nato Factors		10		

R0C0l0i0e0n0t0:0P0h0i0i0i0p0 0A0n0a0l0y0t0i0c0a0l0

L0D0C0"0T0i0m0e0s0 0N0e0w0 0R0o0m0a0n0,0B0o0l0d0 0l0t0a0l0i0c0"01040P0A0S0

Component	Client ID: Lab No.: Date Sampled:		Blank Spike %Recoveries
	Units		
Total Tetrachlorodibenzofurans	pg	-	
Total Pentachlorodibenzofurans	"	-	
Total Hexachlorodibenzofurans	"	-	
Total Heptachlorodibenzofurans	"	-	
Octachlorodibenzofuran	"	-	
Total Tetrachlorodibenzo-p-dioxins	"	-	
Total Pentachlorodibenzo-p-dioxins	"	-	
Total Hexachlorodibenzo-p-dioxins	"	-	
Total Heptachlorodibenzo-p-dioxins	"	-	
Octachlorodibenzo-p-dioxin	"	-	
Internal Recoveries	%		
2,3,7,8-T4CDF-13C12		86	
2,3,7,8-T4CDD-13C12		81	
1,2,3,7,8-P5CDF-13C12		88	
1,2,3,7,8-P5CDD-13C12		90	
1,2,3,4,7,8-H6CDF-13C12		93	
1,2,3,6,7,8-H6CDD-13C12		95	
1,2,3,4,6,7,8-H7CDF-13C12		95	
1,2,3,4,6,7,8-H7CDD-13C12		95	
OCDD-13C12		86	
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	104	
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	102	
1,2,3,7,8-Cl5-Dibenzofuran	"	102	
2,3,4,7,8-Cl5-Dibenzofuran	"	107	
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	108	
1,2,3,4,7,8-Cl6-Dibenzofuran	"	94	
1,2,3,6,7,8-Cl6-Dibenzofuran	"	88	
2,3,4,6,7,8-Cl6-Dibenzofuran	"	95	
1,2,3,7,8,9-Cl6-Dibenzofuran	"	85	
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	98	
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	98	
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	92	
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	100	
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	99	
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	97	
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	95	
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	96	
2,3,7,8-TCDF (DB225)	pg		
Internal Recoveries	%		
2,3,7,8-TCDF-13C12			

TEQ based on Nato Factors

R0C0l0i0e0n0t0:P0h0i0l0i0p0 0A0n0a0l0y0t0i0c0a0l0

LDDC "T i m e s N e w R o m a n , B o l d I t a l i c " 1 4 P A S C -
S u

Batch Code:	1008HW01	1008HW01	1009NZ01
PCDD/F(DB5)	060285 02	060288 02	060289 02
	060286 02		060290 02
	060287 02		060291 02
			060292 02
			060293 02
			060323 02
			060324 02
			060325 02
			060326 02
			060327 02
			060328 02
			060329 02
			060330 02
			060331 02
Date Analysed:	02/10/21	02/10/22	02/10/19
Date Prepared:	02/10/08	02/10/08	02/10/09

Batch Code:	1008HW01	1009NZ01	1009NZ01	1009NZ01
2,3,7,8-TCDF (DB225)	060285 02	060289 02	060323 02	060329 02
	060286 02	060290 02	060324 02	
	060287 02	060291 02	060325 02	
	060288 02	060292 02	060326 02	
		060293 02	060327 02	
		060330 02	060328 02	
		060331 02		
Date Analysed:	02/10/22	02/10/21	02/10/20	02/10/20
Date Prepared:	02/10/08	02/10/09	02/10/09	02/10/09

R C I n e n t : P h i p A n a l y t i c a l