NYC 9/11 Public Portal Document

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', Twentieth 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:

NYC-WTC_000433339

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Vaughan O'Neill
Philip Analytical Services Inc
JLC Environmental

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 by 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.

NYC-WTC_000433340

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LABORATORY INFORMATION

Contact:
Project:
Date Received:
Date Reported:

Submission No.:
Sample No.:

NYC-WTC_000433341

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Julius Fulop, M.Sc., C.Chem.
AN030286
06-Mar-2003
19-Mar-2003

3C0148
009192-009222

NYC-WTC_000433342

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Component	MDL	Units	Method Blank *Client ID:* *Lab No.:* *Date Sampled:*	Blank Spike 009192 03 05-Mar-2003	% Recovery
				009192 03 05-Mar-2003	
Total Tetrachlorodibenzofurans		pg	<1.2	1100	-
Total Pentachlorodibenzofurans		"	<1.5	5400	-
Total Hexachlorodibenzofurans		"	<1.5	11000	-
Total Heptachlorodibenzofurans		"	<2.8	5200	-
Octachlorodibenzofuran		"	<5.3	5400	-
Total Tetrachlorodibenzo-p-dioxins		"	<1.5	940	-
Total Pentachlorodibenzo-p-dioxins		"	<1.4	2700	-
Total Hexachlorodibenzo-p-dioxins		"	<1.6	7700	-
Total Heptachlorodibenzo-p-dioxins		"	12	2600	-
Octachlorodibenzo-p-dioxin		"	38	5300	-
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			80	77	-
2,3,7,8-T4CDD-13C12			88	82	-
1,2,3,7,8-P5CDF-13C12			86	92	-
1,2,3,7,8-P5CDD-13C12			85	83	-
1,2,3,4,7,8-H6CDF-13C12			100	91	-
1,2,3,6,7,8-H6CDD-13C12			97	88	-
1,2,3,4,6,7,8-H7CDF-13C12			114	101	-
1,2,3,4,6,7,8-H7CDD-13C12			111	97	-
OCDD-13C12			96	87	-
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<1.2	1100	107
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<1.5	940	111
1,2,3,7,8-Cl5-Dibenzofuran		"	<1.5	2800	107
2,3,4,7,8-Cl5-Dibenzofuran		"	<1.5	2700	103
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<1.4	2700	102
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<1.4	2600	105
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.4	2500	111
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<1.6	2600	104
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<1.9	2800	104
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.5	2600	107
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<1.7	2500	94
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<1.6	2600	107
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<2.5	2600	102
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<3.3	2600	101
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	6.0	2600	103
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<5.3	5400	102
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	38	5300	106
2,3,7,8-TCDF (DB225)		pg	<5.4	-	-
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			69	-	-

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			3rd	3rd	3rd
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009193 03	009194 03	009195 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	<2.4	<1.4	<2.2
Total Pentachlorodibenzofurans		"	<1.3	<1.7	<1.9
Total Hexachlorodibenzofurans		"	<2.6	<1.5	<1.9
Total Heptachlorodibenzofurans		"	<6.8	4.2	<3.1
Octachlorodibenzofuran		"	14	6.2	6.3
Total Tetrachlorodibenzo-p-dioxins		"	2.2	<1.6	<2.9
Total Pentachlorodibenzo-p-dioxins		"	<6.0	<1.4	<1.9
Total Hexachlorodibenzo-p-dioxins		"	4.6	<2.1	<6.8
Total Heptachlorodibenzo-p-dioxins		"	31	5.9	15
Octachlorodibenzo-p-dioxin		"	130	41	43
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			80	81	83
2,3,7,8-T4CDD-13C12			86	93	94
1,2,3,7,8-P5CDF-13C12			76	81	88
1,2,3,7,8-P5CDD-13C12			72	75	85
1,2,3,4,7,8-H6CDF-13C12			91	97	102
1,2,3,6,7,8-H6CDD-13C12			84	91	97
1,2,3,4,6,7,8-H7CDF-13C12			89	100	109
1,2,3,4,6,7,8-H7CDD-13C12			82	96	105
OCDD-13C12			73	84	85
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<3.5	<1.4	<2.2
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.4	<1.6	<2.5
1,2,3,7,8-Cl5-Dibenzofuran		"	<1.3	<1.7	<1.8
2,3,4,7,8-Cl5-Dibenzofuran		"	2.0	<1.7	<1.9
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<1.6	<1.4	<1.9
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<2.4	<1.4	<1.7
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.2	<1.3	<1.7
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<1.4	<1.5	<1.9
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<1.6	<1.8	<2.3
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.3	<2.0	<1.8
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<1.5	<2.2	<2.0
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<1.4	<2.0	<1.8
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<6.0	4.5	<2.8
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<7.2	<2.8	<1.9
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	14	5.9	6.8
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	14	6.2	6.3
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	130	41	43
2,3,7,8-TCDF (DB225)		pg	<6.9	<2.8	<2.9
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			71	73	73

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			4th	4th	4th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009196 03	009197 03	009198 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	85	<1.7	31
Total Pentachlorodibenzofurans		"	66	<1.6	28
Total Hexachlorodibenzofurans		"	30	<1.8	14
Total Heptachlorodibenzofurans		"	2.9	2.3	4.2
Octachlorodibenzofuran		"	19	7.1	<11
Total Tetrachlorodibenzo-p-dioxins		"	120	<2.1	35
Total Pentachlorodibenzo-p-dioxins		"	30	<1.8	4.5
Total Hexachlorodibenzo-p-dioxins		"	57	<7.0	36
Total Heptachlorodibenzo-p-dioxins		"	53	20	36
Octachlorodibenzo-p-dioxin		"	160	56	100
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			93	86	84
2,3,7,8-T4CDD-13C12			101	94	97
1,2,3,7,8-P5CDF-13C12			88	93	89
1,2,3,7,8-P5CDD-13C12			79	86	80
1,2,3,4,7,8-H6CDF-13C12			107	105	106
1,2,3,6,7,8-H6CDD-13C12			91	99	98
1,2,3,4,6,7,8-H7CDF-13C12			106	111	113
1,2,3,4,6,7,8-H7CDD-13C12			97	105	109
OCDD-13C12			90	97	104
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<21	<2.3	<8.1
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.1	<2.1	<2.1
1,2,3,7,8-Cl5-Dibenzofuran		"	4.6	<1.6	<2.1
2,3,4,7,8-Cl5-Dibenzofuran		"	6.0	<1.7	4.2
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<2.1	<1.8	<2.0
1,2,3,4,7,8-Cl6-Dibenzofuran		"	8.9	<1.6	<2.8
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<4.8	<1.6	3.4
2,3,4,6,7,8-Cl6-Dibenzofuran		"	3.8	<1.9	2.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.7	<2.2	<2.5
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<2.1	<1.9	<2.2
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<2.3	<2.1	<2.5
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<2.1	<2.0	<2.2
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<15	<3.5	<8.7
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<2.9	<2.4	<2.5
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	23	8.0	16
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	19	7.1	<11
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	160	56	100
2,3,7,8-TCDF (DB225)		pg	14	<4.9	<5.7
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			82	75	78

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Component	MDL	Units	5th Floor-07	5th Floor-08	5th Floor-09
Client ID:			Floor-07	Floor-08	Floor-09
Lab No.:			009199 03	009200 03	009201 03
Date Sampled:			05-Mar-2003	05-Mar-2003	05-Mar-2003
Total Tetrachlorodibenzofurans		pg	100	<1.6	13
Total Pentachlorodibenzofurans		"	36	<2.2	27
Total Hexachlorodibenzofurans		"	17	<1.5	27
Total Heptachlorodibenzofurans		"	<14	<3.8	5.6
Octachlorodibenzofuran		"	19	8.2	20
Total Tetrachlorodibenzo-p-dioxins		"	91	<2.0	24
Total Pentachlorodibenzo-p-dioxins		"	24	<1.7	20
Total Hexachlorodibenzo-p-dioxins		"	37	<2.7	49
Total Heptachlorodibenzo-p-dioxins		"	45	20	46
Octachlorodibenzo-p-dioxin		"	170	61	97
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			95	64	97
2,3,7,8-T4CDD-13C12			97	65	101
1,2,3,7,8-P5CDF-13C12			94	91	98
1,2,3,7,8-P5CDD-13C12			89	71	85
1,2,3,4,7,8-H6CDF-13C12			99	78	107
1,2,3,6,7,8-H6CDD-13C12			92	74	95
1,2,3,4,6,7,8-H7CDF-13C12			105	85	112
1,2,3,4,6,7,8-H7CDD-13C12			97	80	103
OCDD-13C12			90	66	99
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<17	<1.6	<6.6
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<3.2	<2.0	<2.3
1,2,3,7,8-Cl5-Dibenzofuran		"	<2.9	<2.2	<3.3
2,3,4,7,8-Cl5-Dibenzofuran		"	5.4	<2.3	<3.8
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<2.2	<1.7	<4.1
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<4.0	<1.4	7.0
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<3.2	<1.3	4.0
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.2	<1.5	3.0
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<1.8	<1.8	<3.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<1.6	<1.4	<2.3
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	2.4	<1.6	<2.6
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	2.8	<1.4	<2.3
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<13	<3.3	<15
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<2.9	<2.3	<3.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	22	8.8	20
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	19	8.2	20
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	170	61	97
2,3,7,8-TCDF (DB225)		pg	11	<4.4	<2.9
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			85	53	80

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			6th	6th	6th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009202 03	009203 03	009204 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	76	7.4	7.5
Total Pentachlorodibenzofurans		"	25	<3.1	10
Total Hexachlorodibenzofurans		"	18	2.9	8.3
Total Heptachlorodibenzofurans		"	<13	<7.0	<7.4
Octachlorodibenzofuran		"	29	10.0	11
Total Tetrachlorodibenzo-p-dioxins		"	62	14	27
Total Pentachlorodibenzo-p-dioxins		"	17	3.5	<14
Total Hexachlorodibenzo-p-dioxins		"	33	3.2	14
Total Heptachlorodibenzo-p-dioxins		"	41	32	24
Octachlorodibenzo-p-dioxin		"	120	84	73
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			96	94	83
2,3,7,8-T4CDD-13C12			103	107	99
1,2,3,7,8-P5CDF-13C12			94	101	84
1,2,3,7,8-P5CDD-13C12			80	88	70
1,2,3,4,7,8-H6CDF-13C12			109	118	107
1,2,3,6,7,8-H6CDD-13C12			99	106	95
1,2,3,4,6,7,8-H7CDF-13C12			110	123	108
1,2,3,4,6,7,8-H7CDD-13C12			100	112	99
OCDD-13C12			87	100	88
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<14	<4.5	<7.5
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.9	<2.5	<2.7
1,2,3,7,8-Cl5-Dibenzofuran		"	<3.8	<3.0	<3.2
2,3,4,7,8-Cl5-Dibenzofuran		"	<4.0	<3.1	<3.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<4.8	<2.9	<5.1
1,2,3,4,7,8-Cl6-Dibenzofuran		"	6.1	<1.7	3.2
1,2,3,6,7,8-Cl6-Dibenzofuran		"	3.9	<1.7	<2.3
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.8	<2.0	1.9
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<3.3	<2.3	<2.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<2.5	<2.0	<2.4
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<2.8	<2.3	<2.7
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<2.6	<2.1	<2.5
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<11	<6.2	<6.5
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<3.6	<2.6	<3.1
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	17	16	10
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	29	10.0	11
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	120	84	73
2,3,7,8-TCDF (DB225)		pg	<7.2	<6.1	<3.9
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			79	83	78

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			7th	7th	7th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009205 03	009206 03	009207 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	24	<2.1	<3.1
Total Pentachlorodibenzofurans		"	11	<3.2	<3.6
Total Hexachlorodibenzofurans		"	7.8	<1.7	<2.3
Total Heptachlorodibenzofurans		"	3.7	2.2	<3.0
Octachlorodibenzofuran		"	12	7.3	<4.7
Total Tetrachlorodibenzo-p-dioxins		"	36	3.3	<4.6
Total Pentachlorodibenzo-p-dioxins		"	26	<2.7	<4.8
Total Hexachlorodibenzo-p-dioxins		"	14	2.8	<5.3
Total Heptachlorodibenzo-p-dioxins		"	27	17	<5.6
Octachlorodibenzo-p-dioxin		"	86	55	13
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			102	84	69
2,3,7,8-T4CDD-13C12			112	105	92
1,2,3,7,8-P5CDF-13C12			100	86	74
1,2,3,7,8-P5CDD-13C12			85	79	78
1,2,3,4,7,8-H6CDF-13C12			111	112	105
1,2,3,6,7,8-H6CDD-13C12			100	102	99
1,2,3,4,6,7,8-H7CDF-13C12			108	112	99
1,2,3,4,6,7,8-H7CDD-13C12			96	105	101
OCDD-13C12			75	95	102
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<8.2	<2.1	<3.1
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<2.5	<2.4	<4.6
1,2,3,7,8-Cl5-Dibenzofuran		"	<2.6	<3.2	<3.5
2,3,4,7,8-Cl5-Dibenzofuran		"	2.9	<3.3	<3.6
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<3.1	<2.7	<4.8
1,2,3,4,7,8-Cl6-Dibenzofuran		"	3.7	<1.5	<2.0
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<1.7	<1.5	<2.0
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<1.8	<1.7	<2.4
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.1	<2.1	<2.8
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<2.1	<1.9	<5.3
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<2.3	<2.1	<5.6
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<2.1	<1.9	<5.2
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<6.5	<2.4	<2.6
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<2.9	<2.2	<3.5
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	11	7.5	<5.6
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	12	7.3	<4.7
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	86	55	13
2,3,7,8-TCDF (DB225)		pg	<5.3	<2.5	<4.0
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			86	85	73

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			8th	8th	8th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009208 03	009209 03	009210 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	30	<3.6	5.4
Total Pentachlorodibenzofurans		"	12	<3.3	<5.1
Total Hexachlorodibenzofurans		"	6.9	<3.5	<4.0
Total Heptachlorodibenzofurans		"	<9.1	<4.3	<8.6
Octachlorodibenzofuran		"	<4.3	<4.9	<7.1
Total Tetrachlorodibenzo-p-dioxins		"	50	<5.6	7.6
Total Pentachlorodibenzo-p-dioxins		"	28	<7.3	<6.6
Total Hexachlorodibenzo-p-dioxins		"	6.2	<31	<58
Total Heptachlorodibenzo-p-dioxins		"	12	<4.7	9.1
Octachlorodibenzo-p-dioxin		"	44	9.9	33
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			77	69	74
2,3,7,8-T4CDD-13C12			102	91	95
1,2,3,7,8-P5CDF-13C12			86	77	81
1,2,3,7,8-P5CDD-13C12			92	81	87
1,2,3,4,7,8-H6CDF-13C12			101	91	98
1,2,3,6,7,8-H6CDD-13C12			100	93	99
1,2,3,4,6,7,8-H7CDF-13C12			93	93	96
1,2,3,4,6,7,8-H7CDD-13C12			98	96	96
OCDD-13C12			91	84	81
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	12	<3.6	5.4
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.8	<3.6	<5.0
1,2,3,7,8-Cl5-Dibenzofuran		"	<6.4	<3.3	<5.1
2,3,4,7,8-Cl5-Dibenzofuran		"	<6.6	<3.3	<5.2
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<7.5	<7.3	<6.6
1,2,3,4,7,8-Cl6-Dibenzofuran		"	6.0	<3.0	<3.4
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<3.1	<3.1	<3.6
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<3.6	<3.6	<4.1
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<4.3	<4.4	<5.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<5.3	<6.6	<5.3
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<5.6	<7.0	<5.6
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<5.2	<6.5	<5.2
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<7.9	<3.7	<7.4
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<4.8	<5.1	<5.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	12	<4.7	9.1
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<4.3	<4.9	<7.1
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	44	9.9	33
2,3,7,8-TCDF (DB225)		pg	7.1	<2.8	4.6
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			77	75	80

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			9th	9th	9th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009211 03	009212 03	009213 03
	Date Sampled:		05-Mar-2003	05-Mar-2003	05-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	140	<2.7	100
Total Pentachlorodibenzofurans		"	64	<2.7	54
Total Hexachlorodibenzofurans		"	36	<2.6	25
Total Heptachlorodibenzofurans		"	<24	<2.4	<17
Octachlorodibenzofuran		"	5.9	<3.5	8.5
Total Tetrachlorodibenzo-p-dioxins		"	110	<4.0	130
Total Pentachlorodibenzo-p-dioxins		"	16	<7.0	28
Total Hexachlorodibenzo-p-dioxins		"	14	<35	10
Total Heptachlorodibenzo-p-dioxins		"	22	<4.9	33
Octachlorodibenzo-p-dioxin		"	120	9.8	52
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			73	65	78
2,3,7,8-T4CDD-13C12			90	86	102
1,2,3,7,8-P5CDF-13C12			79	72	83
1,2,3,7,8-P5CDD-13C12			83	82	94
1,2,3,4,7,8-H6CDF-13C12			78	92	91
1,2,3,6,7,8-H6CDD-13C12			77	94	90
1,2,3,4,6,7,8-H7CDF-13C12			76	89	87
1,2,3,4,6,7,8-H7CDD-13C12			76	94	92
OCDD-13C12			63	87	80
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	32	<2.7	31
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.9	<3.3	<4.3
1,2,3,7,8-Cl5-Dibenzofuran		"	6.6	<2.7	<5.8
2,3,4,7,8-Cl5-Dibenzofuran		"	6.8	<2.7	9.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<7.6	<7.0	<7.3
1,2,3,4,7,8-Cl6-Dibenzofuran		"	13	<2.3	10
1,2,3,6,7,8-Cl6-Dibenzofuran		"	6.7	<2.4	<3.1
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<6.9	<2.7	<3.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<8.4	<3.3	<4.3
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<4.2	<3.4	<5.1
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<4.5	<3.6	<5.4
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<4.2	<3.3	<5.0
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<20	<2.1	<15
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<7.1	<2.9	<4.0
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	<18	<4.9	16
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	20	<3.5	8.5
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	120	9.8	52
2,3,7,8-TCDF (DB225)		pg	15	<2.4	16
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			78	70	76

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			10th	10th	10th
	Client ID:		Floor-07	Floor-08	Floor-09
	Lab No.:		009214 03	009215 03	009216 03
	Date Sampled:		04-Mar-2003	04-Mar-2003	04-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	160	<3.8	36
Total Pentachlorodibenzofurans		"	15	<5.2	<14
Total Hexachlorodibenzofurans		"	12	<3.3	25
Total Heptachlorodibenzofurans		"	<14	<2.6	<15
Octachlorodibenzofuran		"	16	<3.4	11
Total Tetrachlorodibenzo-p-dioxins		"	180	<7.9	62
Total Pentachlorodibenzo-p-dioxins		"	30	<6.2	30
Total Hexachlorodibenzo-p-dioxins		"	<84	<29	8.4
Total Heptachlorodibenzo-p-dioxins		"	17	5.1	27
Octachlorodibenzo-p-dioxin		"	85	15	49
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			59	74	73
2,3,7,8-T4CDD-13C12			71	104	96
1,2,3,7,8-P5CDF-13C12			65	84	82
1,2,3,7,8-P5CDD-13C12			71	88	86
1,2,3,4,7,8-H6CDF-13C12			73	107	91
1,2,3,6,7,8-H6CDD-13C12			72	108	94
1,2,3,4,6,7,8-H7CDF-13C12			68	115	98
1,2,3,4,6,7,8-H7CDD-13C12			70	117	104
OCDD-13C12			53	116	94
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<37	<3.8	<23
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<5.8	<4.7	<4.6
1,2,3,7,8-Cl5-Dibenzofuran		"	<10.0	<5.2	<10
2,3,4,7,8-Cl5-Dibenzofuran		"	<10	<5.3	<10
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<7.6	<6.2	<6.8
1,2,3,4,7,8-Cl6-Dibenzofuran		"	11	<2.9	12
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<5.2	<3.0	<4.9
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<5.9	<3.5	<5.6
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<7.2	<4.2	<6.8
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<8.2	<5.0	<4.7
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<8.7	<5.3	<5.1
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<8.1	<4.9	<4.7
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<12	<2.3	<13
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<7.0	<3.1	<5.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	<14	5.1	13
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	16	<3.4	11
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	85	15	49
2,3,7,8-TCDF (DB225)		pg	17	<3.5	13
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			64	83	77

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			11th Floor	11th Floor	11th Floor
	Client ID:		Down-07	Down-08	Down-09
	Lab No.:		009217 03	009218 03	009219 03
	Date Sampled:		04-Mar-2003	04-Mar-2003	04-Mar-2003
Component	**MDL**	**Units**			
Total Tetrachlorodibenzofurans		pg	<2.9	90	43
Total Pentachlorodibenzofurans		"	<4.2	21	68
Total Hexachlorodibenzofurans		"	<2.2	22	31
Total Heptachlorodibenzofurans		"	<3.6	<14	<35
Octachlorodibenzofuran		"	<4.5	12	19
Total Tetrachlorodibenzo-p-dioxins		"	<8.5	110	99
Total Pentachlorodibenzo-p-dioxins		"	<8.9	19	21
Total Hexachlorodibenzo-p-dioxins		"	<34	<59	22
Total Heptachlorodibenzo-p-dioxins		"	3.7	14	61
Octachlorodibenzo-p-dioxin		"	15	68	97
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			64	77	56
2,3,7,8-T4CDD-13C12			88	105	72
1,2,3,7,8-P5CDF-13C12			67	87	66
1,2,3,7,8-P5CDD-13C12			72	92	74
1,2,3,4,7,8-H6CDF-13C12			86	99	74
1,2,3,6,7,8-H6CDD-13C12			85	97	75
1,2,3,4,6,7,8-H7CDF-13C12			88	101	73
1,2,3,4,6,7,8-H7CDD-13C12			93	109	76
OCDD-13C12			84	105	60
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	<2.9	<22	<30
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<4.0	<4.0	<6.0
1,2,3,7,8-Cl5-Dibenzofuran		"	<4.1	<8.2	<9.4
2,3,4,7,8-Cl5-Dibenzofuran		"	<4.2	<8.3	15
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<8.9	<6.9	<8.8
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<1.9	7.8	19
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<2.0	<3.4	<12
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<2.3	<3.7	10
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<2.8	<4.5	<6.7
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<4.6	<5.1	<5.4
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<4.9	<5.4	<5.7
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<4.5	<5.0	<5.3
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<3.1	<12	<30
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<4.2	<2.9	<6.7
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	3.7	14	31
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	<4.5	12	19
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	15	68	97
2,3,7,8-TCDF (DB225)		pg	<4.2	<11	19
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			68	88	65

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Component	MDL	Units	11th Floor Up-07	11th Floor Up-08	11th Floor Up-09
Client ID:			Up-07	Up-08	Up-09
Lab No.:			009220 03	009221 03	009222 03
Date Sampled:			04-Mar-2003	04-Mar-2003	04-Mar-2003
Total Tetrachlorodibenzofurans		pg	29	<2.3	6.5
Total Pentachlorodibenzofurans		"	6.9	<3.5	<5.2
Total Hexachlorodibenzofurans		"	<3.4	<1.5	<3.3
Total Heptachlorodibenzofurans		"	<8.6	<3.1	<6.7
Octachlorodibenzofuran		"	7.6	<2.4	<5.3
Total Tetrachlorodibenzo-p-dioxins		"	51	<4.3	9.1
Total Pentachlorodibenzo-p-dioxins		"	<9.0	<7.6	<12
Total Hexachlorodibenzo-p-dioxins		"	<50	<36	<53
Total Heptachlorodibenzo-p-dioxins		"	16	<3.0	9.7
Octachlorodibenzo-p-dioxin		"	39	<11	34
Internal Recoveries		%			
2,3,7,8-T4CDF-13C12			75	71	71
2,3,7,8-T4CDD-13C12			99	98	95
1,2,3,7,8-P5CDF-13C12			82	80	79
1,2,3,7,8-P5CDD-13C12			88	86	87
1,2,3,4,7,8-H6CDF-13C12			88	94	93
1,2,3,6,7,8-H6CDD-13C12			92	96	93
1,2,3,4,6,7,8-H7CDF-13C12			91	97	95
1,2,3,4,6,7,8-H7CDD-13C12			101	109	103
OCDD-13C12			95	109	93
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg	13	<2.3	<6.5
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	<5.2	<2.4	<4.7
1,2,3,7,8-Cl5-Dibenzofuran		"	<5.2	<3.4	<5.2
2,3,4,7,8-Cl5-Dibenzofuran		"	<5.3	<3.5	<5.3
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<9.0	<7.6	<6.6
1,2,3,4,7,8-Cl6-Dibenzofuran		"	<2.9	<1.3	<2.9
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<3.0	<1.4	<3.0
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<3.5	<1.6	<3.5
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<4.2	<1.9	<4.2
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<3.4	<4.5	<4.0
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<3.7	<4.8	<4.3
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<3.4	<4.4	<4.0
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<7.5	<2.7	<5.8
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<4.6	<3.7	<4.6
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	9.6	<3.0	<9.5
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	7.6	<2.4	<5.3
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	39	<11	34
2,3,7,8-TCDF (DB225)		pg	6.6	<4.1	<4.5
Internal Recoveries		%			
2,3,7,8-TCDF-13C12			81	79	78

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Sample ID	Client ID	TEQ (pg)	EMPC (pg)	EMPC ND= 1/2 (pg)
009192 03	Method Blank	0.097	4.456	2.277
009193 03	3rd Floor-07	1.290	6.075	3.682
009194 03	3rd Floor-08	0.151	4.841	2.496
009195 03	3rd Floor-09	0.118	6.147	3.132
009196 03	4th Floor-07	4.934	11.769	8.351
009197 03	4th Floor-08	0.142	5.639	2.891
009198 03	4th Floor-09	2.928	8.274	5.601
009199 03	5th Floor-07	3.653	11.202	7.428
009200 03	5th Floor-08	0.157	5.453	2.805
009201 03	5th Floor-09	1.716	9.935	5.826
009202 03	6th Floor-07	1.327	11.722	6.524
009203 03	6th Floor-08	0.258	7.800	4.029
009204 03	6th Floor-09	0.693	9.846	5.269
009205 03	7th Floor-07	2.025	8.353	5.189
009206 03	7th Floor-08	0.137	7.183	3.660
009207 03	7th Floor-09	0.013	11.991	6.002
009208 03	8th Floor-07	2.012	17.001	9.506
009209 03	8th Floor-08	0.010	13.018	6.514
009210 03	8th Floor-09	0.668	15.137	7.902
009211 03	9th Floor-07	9.096	21.094	15.080
009212 03	9th Floor-08	0.010	10.734	5.372
009213 03	9th Floor-09	8.975	20.045	14.510
009214 03	10th Floor-07	1.187	24.744	12.966
009215 03	10th Floor-08	0.066	13.994	7.030
009216 03	10th Floor-09	1.434	20.804	11.119
009217 03	11th Floor Down-07	0.052	13.494	6.773
009218 03	11th Floor Down-08	1.003	18.149	9.576
009219 03	11th Floor Down-09	10.901	28.664	19.782
009220 03	11th Floor Up-07	1.464	16.582	9.023
009221 03	11th Floor Up-08	0.000	10.512	5.256
009222 03	11th Floor Up-09	0.034	14.451	7.218

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Batch Code:	**0307FB01**	**0309FB01**	**0307FB01**	**0307FB01**
Total Tetrachlorodibenzofurans	009192 03	009199 03	009207 03	009215 03
	009193 03	009200 03	009208 03	009216 03
	009194 03	009201 03	009209 03	009217 03
	009195 03	009202 03	009210 03	009218 03
	009196 03	009203 03	009211 03	009219 03
	009197 03	009204 03	009212 03	009220 03
	009198 03	009205 03	009213 03	009221 03
		009206 03	009214 03	009222 03
Date Analysed:	03/03/14	03/03/14	03/03/14	03/03/15
Date Prepared:	03/03/07	03/03/09	03/03/07	03/03/07

Batch Code:	**0307FB01**	**0309FB01**	**0307FB01**	**0307FB01**
2,3,7,8-Cl4-Dibenzofuran (DB5)	009192 03	009199 03	009207 03	009215 03
	009193 03	009200 03	009208 03	009216 03
	009194 03	009201 03	009209 03	009217 03
	009195 03	009202 03	009210 03	009218 03
	009196 03	009203 03	009211 03	009219 03
	009197 03	009204 03	009212 03	009220 03
	009198 03	009205 03	009213 03	009221 03
		009206 03	009214 03	009222 03
Date Analysed:	03/03/14	03/03/14	03/03/14	03/03/15
Date Prepared:	03/03/07	03/03/09	03/03/07	03/03/07

Batch Code:	**0307FB01**	**0307FB01**
2,3,7,8-TCDF (DB225)	009192 03	009206 03
	009193 03	009207 03
	009194 03	009208 03
	009195 03	009209 03
	009196 03	009210 03
	009197 03	009211 03
	009198 03	009212 03
	009199 03	009213 03
	009200 03	009214 03
	009201 03	009215 03
	009202 03	009216 03
	009203 03	009217 03
	009204 03	009218 03
	009205 03	009219 03
		009220 03
		009221 03
		009222 03
Date Analysed:	03/03/12	03/03/13
Date Prepared:	03/03/07	03/03/07