NYC 9/11 Public Portal Document

Certificate of Analysis

CLIENT INFORMATION

Attention:	Michael Salum
Client Name:	Philip Analytical Services Inc
Project:	Misc.
Project Desc:	
Address:	4418 Pottsville Pike Reading, Pennsylvania 19605
Fax Number:	610 921-9667
Phone Number:	610 921-8833

LABORATORY INFORMATION

Contact:	Ada Blythe, B.Sc., C.Chem.
Project:	AN023026
Date Received:	17-Sep-2002
Date Reported:	15-Oct-2002
Submission No.:	2I0647
Sample No.:	060266-060284

NOTES:

''-' = 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.

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:

Certified by:_____

CITY_21MC100_003240809

NYC-WTC_000445866

NYC 9/11 Public Portal Document

PASC - Certificate of Analysis

		Method			Blank	Blank
	Client ID:	Blank			Spike#1	Spike#1
	Lab No.:	060266 02			060266 02	%Recoveries
	Date Sampled:	12-Sep-2002			12-Sep-2002	
Apartment No. & Location						
Component	**Units**			**Unit**		
				Ng/m²		
Total Tetrachlorodibenzofurans	pg	<3.9	<	0.3744	1100	-
Total Pentachlorodibenzofurans	"	17		1.632	6400	-
Total Hexachlorodibenzofurans	"	52		4.992	10000	-
Total Heptachlorodibenzofurans	"	42		4.032	5100	-
Octachlorodibenzofuran	"	67		6.432	4400	-
Total Tetrachlorodibenzo-p-dioxins	"	4.3		0.4128	1100	-
Total Pentachlorodibenzo-p-dioxins	"	12		1.152	2700	-
Total Hexachlorodibenzo-p-dioxins	"	35		3.36	7900	-
Total Heptachlorodibenzo-p-dioxins	"	26		2.496	2600	-
Octachlorodibenzo-p-dioxin	"	65		6.24	4900	-
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12		65			70	70
2,3,7,8-T4CDD-13C12		74			84	84
1,2,3,7,8-P5CDF-13C12		43			70	70
1,2,3,7,8-P5CDD-13C12		48			76	76
1,2,3,4,7,8-H6CDF-13C12		72			85	85
1,2,3,6,7,8-H6CDD-13C12		74			88	88
1,2,3,4,6,7,8-H7CDF-13C12		82			86	86
1,2,3,4,6,7,8-H7CDD-13C12		75			89	89
OCDD-13C12		84			108	108
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<3.9	<	0.3744	1100	105
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	4.3		0.4128	1100	109
1,2,3,7,8-Cl5-Dibenzofuran	"	<9.6	<	0.9216	2900	114
2,3,4,7,8-Cl5-Dibenzofuran	"	17		1.632	3500	139
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	12		1.152	2700	110
1,2,3,4,7,8-Cl6-Dibenzofuran	"	11		1.056	2400	97
1,2,3,6,7,8-Cl6-Dibenzofuran	"	14		1.344	2600	102
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<14	<	1.344	2500	100
1,2,3,7,8,9-Cl6-Dibenzofuran	"	29		2.784	2500	98
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<9.1	<	0.8736	2700	108
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	14		1.344	2600	105
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	22		2.112	2600	102
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	18		1.728	2600	104
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	25		2.4	2400	97
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	26		2.496	2600	103
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	67		6.432	4400	87
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	65		6.24	4900	99
2,3,7,8-TCDF (DB225)	pg	-			-	
Internal Recoveries	%					
2,3,7,8-TCDF-13C12		-			-	

Client:Philip Analytical Services Inc Project:Misc.

NYC-WTC_000445867

NYC 9/11 Public Portal Document

PASC - Certificate of Analysis

		R02090951			R02090951	
	D:	01A			02A	
	ɔ.:	060267 02			060268 02	
	d:	12-Sep-2002			12-Sep-2002	
Apartment No. & Location		3S-W			3S-H	
Component	**Units**			**Unit**		
				Ng/m²		
Total Tetrachlorodibenzofurans	pg	<2.0	<	0.192	130	
Total Pentachlorodibenzofurans	"	<2.2	<	0.2112	55	
Total Hexachlorodibenzofurans	"	<1.6	<	0.1536	45	
Total Heptachlorodibenzofurans	"	<2.1	<	0.096	46	
Octachlorodibenzofuran	"	3.5		0.336	33	
Total Tetrachlorodibenzo-p-dioxins	"	4.3		0.4128	110	
Total Pentachlorodibenzo-p-dioxins	"	<2.9	<	0.2784	16	
Total Hexachlorodibenzo-p-dioxins	"	<8.9	<	0.8544	<35	<
Total Heptachlorodibenzo-p-dioxins	"	3.9		0.3744	88	
Octachlorodibenzo-p-dioxin	"	16		1.536	390	
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12		82			72	
2,3,7,8-T4CDD-13C12		79			75	
1,2,3,7,8-P5CDF-13C12		88			61	
1,2,3,7,8-P5CDD-13C12		105			67	
1,2,3,4,7,8-H6CDF-13C12		86			73	
1,2,3,6,7,8-H6CDD-13C12		91			76	
1,2,3,4,6,7,8-H7CDF-13C12		83			71	
1,2,3,4,6,7,8-H7CDD-13C12		81			68	
OCDD-13C12		94			75	
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<2.0	<	0.192	20	
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<2.6	<	0.2496	<2.5	<
1,2,3,7,8-Cl5-Dibenzofuran	"	<2.1	<	0.2016	4.0	
2,3,4,7,8-Cl5-Dibenzofuran	"	<2.3	<	0.2208	<5.0	<
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<2.9	<	0.2784	<3.6	<
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<1.4	<	0.1344	8.2	
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<1.4	<	0.1344	4.5	
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<1.7	<	0.1632	10	
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<2.0	<	0.192	<2.5	<
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<4.6	<	0.4416	<2.4	<
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<4.5	<	0.432	<3.4	<
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<4.4	<	0.4224	<2.3	<
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<1.8	<	0.1728	21	
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<2.5	<	0.24	<3.1	<
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	3.9		0.3744	48	
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	3.5		0.336	33	
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	16		1.536	390	
2,3,7,8-TCDF (DB225)	pg	-			Pending	
Internal Recoveries	%					
2,3,7,8-TCDF-13C12		-			Pending	

CITY_21MC100_003240811

NYC-WTC_000445868

NYC 9/11 Public Portal Document

PASC - Certificate of Analysis

			R02090951			R02090951
	D:		03A			04A
	ɔ.:		060269 02			060270 02
	d:		12-Sep-2002			12-Sep-2002
Apartment No. & Location			3S-F			2N-W
Component	**Units**	**Unit**			**Unit**	
		Ng/m²			**Ng/m²**	
Total Tetrachlorodibenzofurans	pg	12.48	27		1.19808	<1.9
Total Pentachlorodibenzofurans	"	5.28	<8.8	<	0.50688	<1.9
Total Hexachlorodibenzofurans	"	4.32	21		0.41472	<1.5
Total Heptachlorodibenzofurans	"	4.416	57		0.42394	<1.9
Octachlorodibenzofuran	"	3.168	53		0.30413	<2.7
Total Tetrachlorodibenzo-p-dioxins	"	10.56	56		1.01376	<3.7
Total Pentachlorodibenzo-p-dioxins	"	1.536	5.1		0.14746	<3.4
Total Hexachlorodibenzo-p-dioxins	"	3.36	2.9		0.32256	<8.0
Total Heptachlorodibenzo-p-dioxins	"	8.448	62		0.81101	<3.3
Octachlorodibenzo-p-dioxin	"	37.44	320		3.59424	16
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12			68			65
2,3,7,8-T4CDD-13C12			76			73
1,2,3,7,8-P5CDF-13C12			76			60
1,2,3,7,8-P5CDD-13C12			93			67
1,2,3,4,7,8-H6CDF-13C12			79			79
1,2,3,6,7,8-H6CDD-13C12			80			77
1,2,3,4,6,7,8-H7CDF-13C12			78			85
1,2,3,4,6,7,8-H7CDD-13C12			79			82
OCDD-13C12			91			100
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	1.92	11		0.18432	<1.9
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	0.24	<3.7	<	0.3552	<2.7
1,2,3,7,8-Cl5-Dibenzofuran	"	0.384	<6.5	<	0.624	<1.8
2,3,4,7,8-Cl5-Dibenzofuran	"	0.48	<7.1	<	0.6816	<1.9
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	0.3456	<4.2	<	0.4032	<3.4
1,2,3,4,7,8-Cl6-Dibenzofuran	"	0.7872	5.2		0.4992	<1.3
1,2,3,6,7,8-Cl6-Dibenzofuran	"	0.432	3.0		0.288	<1.4
2,3,4,6,7,8-Cl6-Dibenzofuran	"	0.96	<2.7	<	0.2592	<1.6
1,2,3,7,8,9-Cl6-Dibenzofuran	"	0.24	<3.3	<	0.3168	<2.0
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	0.2304	<2.6	<	0.2496	<3.2
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	0.3264	<2.6	<	0.2496	<3.1
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	0.2208	<2.5	<	0.24	<3.1
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	2.016	33		3.168	<1.6
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	0.2976	<2.8	<	0.2688	<2.3
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	4.608	35		3.36	<3.3
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	3.168	53		5.088	<2.7
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	37.44	320		30.72	16
2,3,7,8-TCDF (DB225)	pg		Pending			-
Internal Recoveries	%					
2,3,7,8-TCDF-13C12			Pending			-

CITY_21MC100_003240812

NYC-WTC_000445869

NYC 9/11 Public Portal Document

				R02090951		
	D:			05A		
	ɔ.:			060271 02		
	d:			12-Sep-2002		
Apartment No. & Location				2N-H		
Component	**Units**		**Unit**			**Unit**
			Ng/m²			**Ng/m²**
Total Tetrachlorodibenzofurans	pg	<	0.1824	<2.0	<	0.2592
Total Pentachlorodibenzofurans	"	<	0.1824	<3.4	<	0.3264
Total Hexachlorodibenzofurans	"	<	0.144	<1.2	<	0.1152
Total Heptachlorodibenzofurans	"	<	0.1824	<1.8	<	0.1728
Octachlorodibenzofuran	"	<	0.2592	<2.2	<	0.2112
Total Tetrachlorodibenzo-p-dioxins	"	<	0.3552	<3.4	<	0.3264
Total Pentachlorodibenzo-p-dioxins	"	<	0.3264	<5.8	<	0.5568
Total Hexachlorodibenzo-p-dioxins	"	<	0.768	<11	<	1.056
Total Heptachlorodibenzo-p-dioxins	"	<	0.3168	7.0		0.03041
Octachlorodibenzo-p-dioxin	"		0.34505	13		0.03312
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12				81		
2,3,7,8-T4CDD-13C12				85		
1,2,3,7,8-P5CDF-13C12				86		
1,2,3,7,8-P5CDD-13C12				96		
1,2,3,4,7,8-H6CDF-13C12				96		
1,2,3,6,7,8-H6CDD-13C12				94		
1,2,3,4,6,7,8-H7CDF-13C12				97		
1,2,3,4,6,7,8-H7CDD-13C12				91		
OCDD-13C12				115		
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<	0.1824	<2.0	<	0.192
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<	0.2592	<2.5	<	0.24
1,2,3,7,8-Cl5-Dibenzofuran	"	<	0.1728	<3.2	<	0.3072
2,3,4,7,8-Cl5-Dibenzofuran	"	<	0.1824	<3.5	<	0.336
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<	0.3264	<3.0	<	0.288
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<	0.1248	<1.1	<	0.1056
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<	0.1344	<1.1	<	0.1056
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<	0.1536	<1.3	<	0.1248
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<	0.192	<1.6	<	0.1536
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<	0.3072	<3.3	<	0.3168
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<	0.2976	<3.3	<	0.3168
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<	0.2976	<3.2	<	0.3072
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<	0.1536	<1.5	<	0.144
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<	0.2208	<2.2	<	0.2112
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	<	0.3168	4.7		0.03041
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	<	0.2592	<2.2	<	0.2112
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"		2.94912	13		0.28312
2,3,7,8-TCDF (DB225)	pg			-		
Internal Recoveries	%					
2,3,7,8-TCDF-13C12				-		

CITY_21MC100_003240813

NYC-WTC_000445870

NYC 9/11 Public Portal Document

		R02090951		R02090951		
	D:	06A		07A		
	ɔ.:	060272 02		060273 02		
	d:	12-Sep-2002		12-Sep-2002		
Apartment No. & Location		2N-I-		2S-W		
Component	**Units**		**Unit**			**Unit**
			Ng/m²			**Ng/m²**
Total Tetrachlorodibenzofurans	pg	5.8	0.5568	<1.7	<	0.1632
Total Pentachlorodibenzofurans	"	<1.5	< 0.144	<1.6	<	0.1536
Total Hexachlorodibenzofurans	"	2.5	0.24	<1.1	<	0.1056
Total Heptachlorodibenzofurans	"	11	1.056	<2.1	<	0.2016
Octachlorodibenzofuran	"	9.6	0.9216	4.2		0.4032
Total Tetrachlorodibenzo-p-dioxins	"	20	1.92	<1.3	<	0.1248
Total Pentachlorodibenzo-p-dioxins	"	<3.4	< 0.3264	<2.9	<	0.2784
Total Hexachlorodibenzo-p-dioxins	"	1.7	0.1632	<3.7	<	0.3552
Total Heptachlorodibenzo-p-dioxins	"	9.8	0.9408	<2.0	<	0.192
Octachlorodibenzo-p-dioxin	"	68	6.528	8.6		0.8256
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12		72		75		
2,3,7,8-T4CDD-13C12		85		92		
1,2,3,7,8-P5CDF-13C12		67		83		
1,2,3,7,8-P5CDD-13C12		76		91		
1,2,3,4,7,8-H6CDF-13C12		86		96		
1,2,3,6,7,8-H6CDD-13C12		90		95		
1,2,3,4,6,7,8-H7CDF-13C12		92		97		
1,2,3,4,6,7,8-H7CDD-13C12		93		97		
OCDD-13C12		104		112		
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	4.0	0.384	<1.7	<	0.1632
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<1.3	< 0.1248	<1.3	<	0.1248
1,2,3,7,8-Cl5-Dibenzofuran	"	<1.5	< 0.144	<1.5	<	0.144
2,3,4,7,8-Cl5-Dibenzofuran	"	<1.6	< 0.1536	<1.6	<	0.1536
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<2.8	< 0.2688	<2.9	<	0.2784
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<0.92	< 0.08832	<0.97	<	0.09312
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<0.94	< 0.09024	<0.99	<	0.09504
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<1.1	< 0.1056	<1.2	<	0.1152
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<1.4	< 0.1344	<1.4	<	0.1344
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<1.2	< 0.1152	<1.6	<	0.1536
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<1.2	< 0.1152	<1.6	<	0.1536
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<1.2	< 0.1152	<1.6	<	0.1536
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	5.0	0.48	<3.2	<	0.3072
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<2.2	< 0.2112	<4.5	<	0.432
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	9.8	0.9408	<2.7	<	0.2592
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	9.6	0.9216	4.2		0.4032
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	68	6.528	8.6		0.8256
2,3,7,8-TCDF (DB225)	pg	Pending		Pending		
Internal Recoveries	%					
2,3,7,8-TCDF-13C12		Pending		Pending		

CITY_21MC100_003240814

NYC-WTC_000445871

NYC 9/11 Public Portal Document

		R02090951			R02090951	R02090951
	D:	08A			09A	10A
	ɔ.:	060274 02			060275 02	060276 02
	'd:	12-Sep-2002			12-Sep-2002	12-Sep-2002
Apartment No. & Location		2S-H			2S-F	4N-W
Component	**Units**			**Unit**		
				Ng/m²	Unvalidated	Unvalidated
Total Tetrachlorodibenzofurans	pg	<1.7	<	0.1632	Pending	Pending
Total Pentachlorodibenzofurans	"	<1.7	<	0.1632	Pending	Pending
Total Hexachlorodibenzofurans	"	1.8		0.1728	Pending	Pending
Total Heptachlorodibenzofurans	"	<3.8	<	0.3648	Pending	Pending
Octachlorodibenzofuran	"	<2.5	<	0.24	Pending	Pending
Total Tetrachlorodibenzo-p-dioxins	"	<2.0	<	0.192	Pending	Pending
Total Pentachlorodibenzo-p-dioxins	"	<2.6	<	0.2496	Pending	Pending
Total Hexachlorodibenzo-p-dioxins	"	1.9		0.1824	Pending	Pending
Total Heptachlorodibenzo-p-dioxins	"	4.2		0.4032	Pending	Pending
Octachlorodibenzo-p-dioxin	"	12		1.152	Pending	Pending
Internal Recoveries	%					
2,3,7,8-T4CDF-13C12		71			Pending	Pending
2,3,7,8-T4CDD-13C12		83			Pending	Pending
1,2,3,7,8-P5CDF-13C12		70			Pending	Pending
1,2,3,7,8-P5CDD-13C12		79			Pending	Pending
1,2,3,4,7,8-H6CDF-13C12		90			Pending	Pending
1,2,3,6,7,8-H6CDD-13C12		94			Pending	Pending
1,2,3,4,6,7,8-H7CDF-13C12		92			Pending	Pending
1,2,3,4,6,7,8-H7CDD-13C12		97			Pending	Pending
OCDD-13C12		114			Pending	Pending
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	<1.7	<	0.1632	Pending	Pending
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<2.0	<	0.192	Pending	Pending
1,2,3,7,8-Cl5-Dibenzofuran	"	<1.6	<	0.1536	Pending	Pending
2,3,4,7,8-Cl5-Dibenzofuran	"	<1.8	<	0.1728	Pending	Pending
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<2.6	<	0.2496	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzofuran	"	1.6		0.1536	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzofuran	"	<0.86	<	0.08256	Pending	Pending
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<1.0	<	0.096	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<1.2	<	0.1152	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<1.4	<	0.1344	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<1.4	<	0.1344	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<1.3	<	0.1248	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<3.3	<	0.3168	Pending	Pending
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<4.6	<	0.4416	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	4.2		0.4032	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	<2.5	<	0.24	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	12		1.152	Pending	Pending
2,3,7,8-TCDF (DB225)	pg	Pending			Pending	Pending
Internal Recoveries	%					
2,3,7,8-TCDF-13C12		Pending			Pending	Pending

CITY_21MC100_003240815

NYC-WTC_000445872

NYC 9/11 Public Portal Document

		R02090951	R02090951	R02090951	R02090951
D:		11A	12A	13A	14A
o.:		060277 02	060278 02	060279 02	060280 02
d:		12-Sep-2002	12-Sep-2002	12-Sep-2002	12-Sep-2002
Apartment No. & Location		4N-H	4N-H	4S-W	4S-H
Component	**Units**				
		Unvalidated	Unvalidated	Unvalidated	Unvalidated
Total Tetrachlorodibenzofurans	pg	Pending	Pending	Pending	Pending
Total Pentachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Total Hexachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Total Heptachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Octachlorodibenzofuran	"	Pending	Pending	Pending	Pending
Total Tetrachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Pentachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Hexachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Heptachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Octachlorodibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
Internal Recoveries	%				
2,3,7,8-T4CDF-13C12		Pending	Pending	Pending	Pending
2,3,7,8-T4CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,7,8-P5CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,7,8-P5CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,4,7,8-H6CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,6,7,8-H6CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-H7CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-H7CDD-13C12		Pending	Pending	Pending	Pending
OCDD-13C12		Pending	Pending	Pending	Pending
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	Pending	Pending	Pending	Pending
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,7,8-Cl5-Dibenzofuran	"	Pending	Pending	Pending	Pending
2,3,4,7,8-Cl5-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
2,3,4,6,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
2,3,7,8-TCDF (DB225)	pg	Pending	Pending	Pending	Pending
Internal Recoveries	%				
2,3,7,8-TCDF-13C12		Pending	Pending	Pending	Pending

CITY_21MC100_003240816

NYC-WTC_000445873

NYC 9/11 Public Portal Document

		R02090951	R02090951	R02090951	R02090951
D:		15A	16A	17A	18A
ɔ.:		060281 02	060282 02	060283 02	060284 02
'd:		12-Sep-2002	12-Sep-2002	12-Sep-2002	12-Sep-2002
Apartment No. & Location		4S-F	3N-W	3N-H	3N-F
Component	**Units**				
		Unvalidated	Unvalidated	Unvalidated	Unvalidated
Total Tetrachlorodibenzofurans	pg	Pending	Pending	Pending	Pending
Total Pentachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Total Hexachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Total Heptachlorodibenzofurans	"	Pending	Pending	Pending	Pending
Octachlorodibenzofuran	"	Pending	Pending	Pending	Pending
Total Tetrachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Pentachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Hexachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Total Heptachlorodibenzo-p-dioxins	"	Pending	Pending	Pending	Pending
Octachlorodibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
Internal Recoveries	%				
2,3,7,8-T4CDF-13C12		Pending	Pending	Pending	Pending
2,3,7,8-T4CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,7,8-P5CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,7,8-P5CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,4,7,8-H6CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,6,7,8-H6CDD-13C12		Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-H7CDF-13C12		Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-H7CDD-13C12		Pending	Pending	Pending	Pending
OCDD-13C12		Pending	Pending	Pending	Pending
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg	Pending	Pending	Pending	Pending
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,7,8-Cl5-Dibenzofuran	"	Pending	Pending	Pending	Pending
2,3,4,7,8-Cl5-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
2,3,4,6,7,8-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	Pending	Pending	Pending	Pending
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	Pending	Pending	Pending	Pending
2,3,7,8-TCDF (DB225)	pg	Pending	Pending	Pending	Pending
Internal Recoveries	%				
2,3,7,8-TCDF-13C12		Pending	Pending	Pending	Pending

CITY_21MC100_003240817

NYC-WTC_000445874

NYC 9/11 Public Portal Document

PASC - Summary of Analysis Pre. Dates

Batch Code:	**1004HW01**	**1004HW01**
Total Tetrachlorodibenzofurans	060266 02	060272 02
	060267 02	060273 02
	060268 02	060274 02
	060269 02	
	060270 02	
	060271 02	
Date Analysed:	02/10/09	02/10/10
Date Prepared:	02/10/04	02/10/04

Batch Code:	**1004HW01**	**1004HW01**
2,3,7,8-Cl4-Dibenzofuran (DB5)	060266 02	060272 02
	060267 02	060273 02
	060268 02	060274 02
	060269 02	
	060270 02	
	060271 02	
Date Analysed:	02/10/09	02/10/10
Date Prepared:	02/10/04	02/10/04

Batch Code:		
Date Analysed:		
Date Prepared:		

CITY_21MC100_003240818

NYC-WTC_000445875