NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-35D

Lot-Sample #...:	G2D230154 - 009	Work Order #...:	EX9721AC	Matrix...:	SOLID
Date Sampled...:	04/22/02	Date Received...:	04/23/02	Instrument:	7D5
Prep Date...:	04/25/02	Analysis Date...:	04/29/02	Units...:	pg/g
Prep Batch #...:	2115447	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	57			1.000	57.000000
1,2,3,7,8-PeCDD	120			0.500	60.000000
1,2,3,4,7,8-HxCDD	100			0.100	10.000000
1,2,3,6,7,8-HxCDD	160			0.100	16.000000
1,2,3,7,8,9-HxCDD	140			0.100	14.000000
1,2,3,4,6,7,8-HpCDD	1100			0.010	11.000000
OCDD	4200			0.001	4.200000
2,3,7,8-TCDF	320	CON		0.100	32.000000
1,2,3,7,8-PeCDF	270			0.050	14.000000
2,3,4,7,8-PeCDF	370			0.500	180.000000
1,2,3,4,7,8-HxCDF	270			0.100	27.000000
1,2,3,6,7,8-HxCDF	250			0.100	25.000000
2,3,4,6,7,8-HxCDF	240			0.100	24.000000
1,2,3,7,8,9-HxCDF	22			0.100	2.200000
1,2,3,4,6,7,8-HpCDF	880	JA		0.010	8.800000
1,2,3,4,7,8,9-HpCDF	120			0.010	1.200000
OCDF	510			0.001	0.510000
Total TEQ Concentration					486.910000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	76	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	70	40 - 135
13C-OCDD	80	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency. (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment Forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

JA *The analyte was positively identified, but the quantitation is an estimate.*

CITY_21MC100_002911412

NYC-WTC_000220055

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-12D-P

Lot-Sample #...:	G2D230154 - 012	Work Order #...:	EX9791AC	Matrix....:	SOLID
Date Sampled...:	04/22/02	Date Received..:	04/23/02	Instrument:	7D5
Prep Date.....:	04/25/02	Analysis Date..:	04/29/02	Units.....:	pg/g
Prep Batch #...:	2115447	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	380			1.000	380.000000
1,2,3,7,8-PeCDD	1200			0.500	600.000000
1,2,3,4,7,8-HxCDD	1300			0.100	130.000000
1,2,3,6,7,8-HxCDD	1900			0.100	190.000000
1,2,3,7,8,9-HxCDD	1700			0.100	170.000000
1,2,3,4,6,7,8-HpCDD	12000			0.010	120.000000
OCDD	35000			0.001	35.000000
2,3,7,8-TCDF	1700	CON		0.100	170.000000
1,2,3,7,8-PeCDF	2200			0.050	110.000000
2,3,4,7,8-PeCDF	3500			0.500	1,800.000000
1,2,3,4,7,8-HxCDF	4400			0.100	440.000000
1,2,3,6,7,8-HxCDF	3700			0.100	370.000000
2,3,4,6,7,8-HxCDF	4000			0.100	400.000000
1,2,3,7,8,9-HxCDF	260			0.100	26.000000
1,2,3,4,6,7,8-HpCDF	16000			0.010	160.000000
1,2,3,4,7,8,9-HpCDF	1900			0.010	19.000000
OCDF	8300			0.001	8.300000
Total TEQ Concentration					5,128.300000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	69	40 - 135
13C-OCDD	77	40 - 135
13C-2,3,7,8-TCDF	75	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	67	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC: EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911413

NYC-WTC_000220056

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-17D-P

Lot-Sample #...:	G2D240206 - 001	Work Order #...:	E0C521AC	Matrix....:	SOLID
Date Sampled...:	04/23/02	Date Received..:	04/24/02	Instrument:	5D5
Prep Date.....:	04/25/02	Analysis Date..:	04/29/02	Units.....:	pg/g
Prep Batch #...:	2115451	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	290			1.000	290.000000
1,2,3,7,8-PeCDD	1300			0.500	650.000000
1,2,3,4,7,8-HxCDD	1800			0.100	180.000000
1,2,3,6,7,8-HxCDD	3500			0.100	350.000000
1,2,3,7,8,9-HxCDD	2700			0.100	270.000000
1,2,3,4,6,7,8-HpCDD	19000			0.010	190.000000
OCDD	44000			0.001	44.000000
2,3,7,8-TCDF	1700	CON		0.100	170.000000
1,2,3,7,8-PeCDF	2800			0.050	140.000000
2,3,4,7,8-PeCDF	5200			0.500	2,600.000000
1,2,3,4,7,8-HxCDF	4500			0.100	450.000000
1,2,3,6,7,8-HxCDF	4900			0.100	490.000000
2,3,4,6,7,8-HxCDF	7000			0.100	700.000000
1,2,3,7,8,9-HxCDF	420			0.100	42.000000
1,2,3,4,6,7,8-HpCDF	22000			0.010	220.000000
1,2,3,4,7,8,9-HpCDF	3000			0.010	30.000000
OCDF	15000			0.001	15.000000
Total TEQ Concentration					6,831.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	99	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	80	40 - 135
13C-2,3,7,8-TCDF	67	40 - 135
13C-1,2,3,7,8-PeCDF	82	40 - 135
13C-1,2,3,4,7,8-HxCDF	73	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911414

NYC-WTC_000220057

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-14D-P

Lot-Sample #...:	G2D230154 - 014	Work Order #...:	EX98D1AC	Matrix.....:	SOLID
Date Sampled...:	04/22/02	Date Received..:	04/23/02	Instrument:	7D5
Prep Date.....:	04/25/02	Analysis Date..:	04/29/02	Units.....:	pg/g
Prep Batch #...:	2115447	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	190			1.000	190.000000
1,2,3,7,8-PeCDD	700			0.500	350.000000
1,2,3,4,7,8-HxCDD	890			0.100	89.000000
1,2,3,6,7,8-HxCDD	1300			0.100	130.000000
1,2,3,7,8,9-HxCDD	1200			0.100	120.000000
1,2,3,4,6,7,8-HpCDD	10000			0.010	100.000000
OCDD	36000			0.001	36.000000
2,3,7,8-TCDF	910	CON		0.100	91.000000
1,2,3,7,8-PeCDF	1300			0.050	65.000000
2,3,4,7,8-PeCDF	2200			0.500	1,100.000000
1,2,3,4,7,8-HxCDF	2800			0.100	280.000000
1,2,3,6,7,8-HxCDF	2400			0.100	240.000000
2,3,4,6,7,8-HxCDF	2700			0.100	270.000000
1,2,3,7,8,9-HxCDF	170			0.100	17.000000
1,2,3,4,6,7,8-HpCDF	13000			0.010	130.000000
1,2,3,4,7,8,9-HpCDF	1500			0.010	15.000000
OCDF	7600			0.001	7.600000
Total TEQ Concentration					3,230.600000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	73	40 - 135
13C-OCDD	80	40 - 135
13C-2,3,7,8-TCDF	71	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington DC; EPA/625/3-89/016.

CON *Confirmation analysis.*

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-03D

Lot-Sample #...:	G2D190191 - 003	Work Order #...:	EX6VE1AA	Matrix....:	SOLID
Date Sampled...:	04/18/02	Date Received..:	04/19/02	Instrument:	5D5
Prep Date.....:	04/19/02	Analysis Date..:	04/24/02	Units.....:	pg/g
Prep Batch #...:	2109509	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	570			1.000	570.000000
1,2,3,7,8-PeCDD	1700			0.500	850.000000
1,2,3,4,7,8-HxCDD	1500			0.100	150.000000
1,2,3,6,7,8-HxCDD	2900			0.100	290.000000
1,2,3,7,8,9-HxCDD	2700			0.100	270.000000
1,2,3,4,6,7,8-HpCDD	19000			0.010	190.000000
OCDD	46000			0.001	46.000000
2,3,7,8-TCDF	3100	CON		0.100	310.000000
1,2,3,7,8-PeCDF	4300			0.050	220.000000
2,3,4,7,8-PeCDF	6500			0.500	3,200.000000
1,2,3,4,7,8-HxCDF	6200			0.100	620.000000
1,2,3,6,7,8-HxCDF	6500			0.100	650.000000
2,3,4,6,7,8-HxCDF	7000			0.100	700.000000
1,2,3,7,8,9-HxCDF	500			0.100	50.000000
1,2,3,4,6,7,8-HpCDF	35000			0.010	350.000000
1,2,3,4,7,8,9-HpCDF	4100			0.010	41.000000
OCDF	25000			0.001	25.000000
Total TEQ Concentration					8,532.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	40 - 135
13C-1,2,3,7,8-PeCDD	58	40 - 135
13C-1,2,3,6,7,8-HxCDD	55	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	73	40 - 135
13C-OCDD	92	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	69	40 - 135
13C-1,2,3,4,7,8-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	77	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911416

NYC-WTC_000220059

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-05D

Lot-Sample #...:	G2D190191 - 005	Work Order #...:	EX6VG1AA	Matrix....:	SOLID
Date Sampled...:	04/18/02	Date Received..:	04/19/02	Instrument:	5D5
Prep Date.....:	04/19/02	Analysis Date..:	04/24/02	Units.....:	pg/g
Prep Batch #...:	2109509	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	390			1.000	390.000000
1,2,3,7,8-PeCDD	1200			0.500	600.000000
1,2,3,4,7,8-HxCDD	1200			0.100	120.000000
1,2,3,6,7,8-HxCDD	2400			0.100	240.000000
1,2,3,7,8,9-HxCDD	1800			0.100	180.000000
1,2,3,4,6,7,8-HpCDD	14000			0.010	140.000000
OCDD	27000			0.001	27.000000
2,3,7,8-TCDF	2500	CON		0.100	250.000000
1,2,3,7,8-PeCDF	3500			0.050	180.000000
2,3,4,7,8-PeCDF	5500			0.500	2,800.000000
1,2,3,4,7,8-HxCDF	6000			0.100	600.000000
1,2,3,6,7,8-HxCDF	5400			0.100	540.000000
2,3,4,6,7,8-HxCDF	5800			0.100	580.000000
1,2,3,7,8,9-HxCDF	440			0.100	44.000000
1,2,3,4,6,7,8-HpCDF	26000			0.010	260.000000
1,2,3,4,7,8,9-HpCDF	3000			0.010	30.000000
OCDF	23000			0.001	23.000000
Total TEQ Concentration					7,004.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	76	40 - 135
13C-OCDD	97	40 - 135
13C-2,3,7,8-TCDF	66	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	70	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	98	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency. (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911417

NYC-WTC_000220060

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-10D

Lot-Sample #...:	G2D190191 - 010	Work Order #...:	EX6VM1AA	Matrix....:	SOLID
Date Sampled...:	04/18/02	Date Received...:	04/19/02	Instrument:	5D5
Prep Date.....:	04/19/02	Analysis Date..:	04/24/02	Units.....:	pg/g
Prep Batch #...:	2109509	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	840			1.000	840.000000
1,2,3,7,8-PeCDD	2200			0.500	1,100.000000
1,2,3,4,7,8-HxCDD	2000			0.100	200.000000
1,2,3,6,7,8-HxCDD	4200			0.100	420.000000
1,2,3,7,8,9-HxCDD	2600			0.100	260.000000
1,2,3,4,6,7,8-HpCDD	30000			0.010	300.000000
OCDD	72000			0.001	72.000000
2,3,7,8-TCDF	4600	CON		0.100	460.000000
1,2,3,7,8-PeCDF	5300			0.050	260.000000
2,3,4,7,8-PeCDF	6400			0.500	3,200.000000
1,2,3,4,7,8-HxCDF	13000			0.100	1,300.000000
1,2,3,6,7,8-HxCDF	8200			0.100	820.000000
2,3,4,6,7,8-HxCDF	10000			0.100	1,000.000000
1,2,3,7,8,9-HxCDF	510			0.100	51.000000
1,2,3,4,6,7,8-HpCDF	55000			0.010	550.000000
1,2,3,4,7,8,9-HpCDF	5200			0.010	52.000000
OCDF	45000			0.001	45.000000
Total TEQ Concentration					**10,930.000000**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	54	40 - 135
13C-1,2,3,7,8-PeCDD	53	40 - 135
13C-1,2,3,6,7,8-HxCDD	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	60	40 - 135
13C-OCDD	61	40 - 135
13C-2,3,7,8-TCDF	42	40 - 135
13C-1,2,3,7,8-PeCDF	54	40 - 135
13C-1,2,3,4,7,8-HxCDF	48	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	58	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC: EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911418

NYC-WTC_000220061

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-11D

Lot-Sample #...:	G2D190191 - 011	Work Order #...:	EX6VN1AA	Matrix...:	SOLID
Date Sampled...:	04/18/02	Date Received..:	04/19/02	Instrument:	5D5
Prep Date.....:	04/19/02	Analysis Date..:	04/24/02	Units.....:	pg/g
Prep Batch #...:	2109509	Dilution Factor:	1	% Moisture:	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	530			1.000	530.000000
1,2,3,7,8-PeCDD	1500			0.500	750.000000
1,2,3,4,7,8-HxCDD	1100			0.100	110.000000
1,2,3,6,7,8-HxCDD	2600			0.100	260.000000
1,2,3,7,8,9-HxCDD	1800			0.100	180.000000
1,2,3,4,6,7,8-HpCDD	18000			0.010	180.000000
OCDD	56000	E		0.001	56.000000
2,3,7,8-TCDF	3700	CON		0.100	370.000000
1,2,3,7,8-PeCDF	4000			0.050	200.000000
2,3,4,7,8-PeCDF	6100			0.500	3,000.000000
1,2,3,4,7,8-HxCDF	6900			0.100	690.000000
1,2,3,6,7,8-HxCDF	5400			0.100	540.000000
2,3,4,6,7,8-HxCDF	5900			0.100	590.000000
1,2,3,7,8,9-HxCDF	430			0.100	43.000000
1,2,3,4,6,7,8-HpCDF	32000	E		0.010	320.000000
1,2,3,4,7,8,9-HpCDF	4000			0.010	40.000000
OCDF	26000			0.001	26.000000
Total TEQ Concentration					7,885.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	59	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	62	40 - 135
13C-OCDD	65	40 - 135
13C-2,3,7,8-TCDF	59	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	60	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency. (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

E Estimated result. Result concentration exceeds the calibration range.

CITY_21MC100_002911419

NYC-WTC_000220062

NYC 9/11 Public Portal Document

AMBIENT GROUP

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: 211909-12D

Lot-Sample #...:	G2D190191 - 012	**Work Order #...:**	EX6VP1AA	**Matrix...:**	SOLID
Date Sampled...:	04/18/02	**Date Received...:**	04/19/02	**Instrument:**	5D5
Prep Date.....:	04/19/02	**Analysis Date...:**	04/24/02	**Units.....:**	pg/g
Prep Batch #...:	2109509	**Dilution Factor:**	1	**% Moisture:**	

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	1100			1.000	1,100.000000
1,2,3,7,8-PeCDD	4000			0.500	2,000.000000
1,2,3,4,7,8-HxCDD	3100			0.100	310.000000
1,2,3,6,7,8-HxCDD	5000			0.100	500.000000
1,2,3,7,8,9-HxCDD	4800			0.100	480.000000
1,2,3,4,6,7,8-HpCDD	27000			0.010	270.000000
OCDD	52000			0.001	52.000000
2,3,7,8-TCDF	5600	CON		0.100	560.000000
1,2,3,7,8-PeCDF	6900			0.050	340.000000
2,3,4,7,8-PeCDF	8900			0.500	4,400.000000
1,2,3,4,7,8-HxCDF	11000			0.100	1,100.000000
1,2,3,6,7,8-HxCDF	9600			0.100	960.000000
2,3,4,6,7,8-HxCDF	8800			0.100	880.000000
1,2,3,7,8,9-HxCDF	840			0.100	84.000000
1,2,3,4,6,7,8-HpCDF	38000			0.010	380.000000
1,2,3,4,7,8,9-HpCDF	4400			0.010	44.000000
OCDF	20000			0.001	20.000000
Total TEQ Concentration					13,480.000000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	57	40 - 135
13C-1,2,3,7,8-PeCDD	55	40 - 135
13C-1,2,3,6,7,8-HxCDD	50	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	63	40 - 135
13C-OCDD	69	40 - 135
13C-2,3,7,8-TCDF	43	40 - 135
13C-1,2,3,7,8-PeCDF	61	40 - 135
13C-1,2,3,4,7,8-HxCDF	52	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	63	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency. (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

CON Confirmation analysis.

CITY_21MC100_002911420

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