

H. A. Bader, Consultants

TLI Project: 56392

Method 8290 PCDD/PCDF Analysis (b)

Client Sample: 610

Analysis File: W010208

Client Project:	NYC WTC area testing	Date Received:	01/12/2002	ICal:	WF56281
Sample Matrix:	WIPE	Date Extracted:	01/14/2002	Spike File:	SPMIT34W
TLI ID:	315-65-7	Date Analyzed:	01/16/2002	1st CCal:	W020100
				End CCal:	W020103
Sample Size:	1.000	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	S020226	% Lipid:	n/a
GC Column:	DB-5	Analyst:	JSY	% Solids:	n/a

Analytes	Amt. (ng)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	0.03			0.80	26:37	B__
1,2,3,7,8-PeCDD	0.07			1.34	30:54	J__
1,2,3,4,7,8-HxCDD	0.04			1.19	34:01	J__
1,2,3,6,7,8-HxCDD	0.06			1.09	34:06	J__
1,2,3,7,8,9-HxCDD	EMPC		0.10			___
1,2,3,4,6,7,8-HpCDD	0.37			1.08	37:19	___
1,2,3,4,6,7,8,9-OCDD	1.5			0.84	40:54	___
2,3,7,8-TCDF	1.1			0.73	25:56	___
1,2,3,7,8-PeCDF	EMPC		0.15			X__
2,3,4,7,8-PeCDF	0.14			1.33	30:33	___
1,2,3,4,7,8-HxCDF	0.25			1.22	33:18	___
1,2,3,6,7,8-HxCDF	0.10			1.35	33:25	___
1,2,3,4,6,7,8-HxCDF	0.11			1.15	33:54	___
1,2,3,7,8,9-HxCDF	0.04			1.21	34:40	J__
1,2,3,4,6,7,8-HpCDF	0.31			0.89	36:18	___
1,2,3,4,7,8,9-HpCDF	EMPC		0.05			J__
1,2,3,4,6,7,8,9-OCDF	0.16			0.94	41:06	J__

Totals	Amt. (ng)	Number	DL	EMPC	Flags
Total TCDD	8.4	12		8.4	___
Total PeCDD	4.7	8		5.0	___
Total HxCDD	2.3	5		2.5	___
Total HpCDD	0.81	2			___
Total TCDF	6.4	14		6.5	___
Total PeCDF	1.8	9		2.3	X__
Total HxCDF	0.78	8		0.86	___
Total HpCDF	0.44	3		0.49	___

Triangle Laboratories, Inc.
 801 Capitola Drive • Durham, North Carolina 27713
 Phone: (919) 544-5729 • Fax: (919) 544-5491

Printed: 14:35 01/17/2002

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Internal Standards	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -2,3,7,8-TCDF	3.3	82.2	40%-130%	0.75	25:54	—
¹³ C ₁₂ -2,3,7,8-TCDD	3.3	82.3	40%-130%	0.79	26:37	—
¹³ C ₁₂ -1,2,3,7,8-PeCDF	3.6	91.1	40%-130%	1.50	29:51	—
¹³ C ₁₂ -1,2,3,7,8-PeCDD	3.6	90.8	40%-130%	1.51	30:53	—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDF	3.1	76.9	40%-130%	0.50	33:25	—
¹³ C ₁₂ -1,2,3,6,7,8-HxCDD	3.3	83.3	40%-130%	1.19	34:05	—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDF	2.4	59.0	25%-130%	0.43	36:18	—
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDD	3.4	84.8	25%-130%	1.04	37:19	—
¹³ C ₁₂ -1,2,3,4,6,7,8,9-OCDD	5.3	65.8	25%-130%	0.88	40:53	—

Surrogate Standards (Type B)	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -2,3,4,7,8-PeCDF	3.9	97.3	40%-130%	1.53	30:33	—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDF	2.9	71.9	40%-130%	0.50	33:19	—
¹³ C ₁₂ -1,2,3,4,7,8-HxCDD	3.2	80.8	40%-130%	1.21	34:00	—
¹³ C ₁₂ -1,2,3,4,7,8,9-HpCDF	3.0	74.0	25%-130%	0.44	37:48	—

Other Standard	Amt. (ng)	% Recovery	QC Limits	RT	Flags
³⁷ Cl ₄ -2,3,7,8-TCDD	0.36	88.8	40%-130%	26:38	—

Alternate Standards (Type B)	Amt. (ng)	% Recovery	QC Limits	Ratio	RT	Flags
¹³ C ₁₂ -1,2,3,7,8,9-HxCDF	3.1	77.5	40%-130%	0.51	34:39	—
¹³ C ₁₂ -2,3,4,6,7,8-HxCDF	3.2	80.8	40%-130%	0.50	33:54	—

Recovery Standards	Ratio	RT	Flags
¹³ C ₁₂ -1,2,3,4-TCDD	0.83	26:27	—
¹³ C ₁₂ -1,2,3,7,8,9-HxCDD	1.27	34:24	—

Data Reviewer: KW 01/17/2002

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Phone: (919) 544-5729 • Fax: (919) 544-5491

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