

EMTEQUE

New York City Housing Authority

90 Church Street

Interim Site Assessment Report

November 14, 2001

ATTACHMENT A
ANALYTICAL DATA SUMMARY

Sample # Location	TAGM											
	M5-01	M5-02	M5-03	M5-04	M6-01	M6-02	M6-03	M6-04				
Metals	Antimony	mg/kg	ug/sf	ug/sf	ug/sf	mg/kg	ug/sf	ug/sf	ug/sf			
	14	5.41	10.9	3.28	13.1	14.9	18.4	3.34				7.5
	Arsenic	2.11	0.82	1.23	0.514	2.45	1.01	1.35				0.16
	Beryllium	0.835	0.0955	0.0945	0.01	0.793	0.003	0.0545	0.031			1
	Cadmium	2.58	0.686	1.22	0.452	1.63	0.664	1.02	0.492			10
	Chromium	49.4	6.25	10.2	1.21	39.6	3.92	5.22	3.81			25
	Copper	231	29.1	83.2	11.6	8480	30.3	39.2	25.3			13
	Lead	105	20.1	60.2	19.8	328	27.9	29.2	17.8			2
	Nickel	13.4	1.56	3.59	0.104	18.9	1.28	1.38	30.5			2
	Selenium	< 0.495	0.752	0.828	0.738	< 0.495	1.21	1.54	1.51			2
	Silver	1.2	0.183	0.45	0.0795	0.98	0.168	0.281	0.246			20
	Thallium	< 0.495	< 0.01	< 0.01	< 0.01	< 0.495	< 0.01	< 0.01	< 0.01			0.1
	Zinc	1160	176	499	118	678	220	238	121			0.1
	Mercury	0.439	NA	NA	NA	0.552	NA	NA	NA			0.1
Silica	Quartz	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %			
	Cristobalite	3.9	1.4	2.5	1.1	12	1.7	1.6	1.9			
	Tridymite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2			
	Total Crystalline Silica	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2			

	Sample # Location	M7-1	M7-2	M7-3	M7-4	M8-1	M8-2	M8-3	M8-4	M8-5	TAGM
Metals	Antimony	ug/sf 5.49	mg/kg 9.68	mg/kg 6.33	mg/kg 7	mg/kg 0.734	mg/kg 30.7	ug/sf 9.91	ug/sf 1.06	ug/sf 6.81	7.5
	Arsenic	1.3	2.25	2.04	3.26	0.95	2.68	1.6	0.998	1.48	0.16
	Beryllium	0.327	1.29	1.08	1.05	0.999	0.951	0.195	< 0.002	0.14	1
	Cadmium	1.45	3.99	2.67	5.46	0.556	5.72	2.08	0.32	0.982	10
	Chromium	14.4	52.9	57.2	52.3	23	72.9	14	0.725	8.41	25
	Copper	64.7	228	172	295	38.6	323	148	8.77	31.5	
	Lead	54.2	147	101	784	13.9	126	70.3	6.8	30	
	Nickel	4.14	14.9	14	19.2	13.4	22.5	4.43	1.56	2.16	13
	Selenium	0.965	< 0.495	< 0.49	< 0.581	< 0.495	< 0.735	0.864	1.45	1.57	2
	Silver	0.169	0.874	< 0.49	0.88	< 0.495	3.17	0.476	0.116	0.17	
	Thallium	< 0.01	< 0.495	< 0.49	< 0.581	< 0.495	< 0.735	< 0.01	< 0.01	< 0.01	20
	Zinc	820	1760	1180	3090	236	2790	541	39.2	223	0.1
	Mercury	NA	0.287	0.373	NA	0.256	NA	NA	NA	NA	
Silica	Quartz	Weight % 3.1	Weight % 4.9	Weight % 3.8	Weight % 3.5	Weight % 3.2	Weight % 3.8	Weight % 3.4	Weight % 2	Weight % 1.8	
	Cristobalite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
	Tridymite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
	Total Crystalline Silica	3.1	4.9	3.8	3.5	3.2	3.8	3.4	2	1.8	

										TAGM	
Sample #	M9-1	M9-2	M9-3	M9-4	M10-01	M10-2	M10-3	M10-4			
Location											
Metals		mg/kg	mg/kg	ug/sf	mg/kg	mg/kg	mg/kg	ug/sf	ug/sf		
	Antimony	13.4	19	9.46	17.7	12	11	5.29	2.12	7.5	
	Arsenic	1.82	2.36	1.62	3.77	2.22	2.95	0.987	0.598	0.16	
	Beryllium	1.15	1.93	0.252	1.35	1.55	1.68	0.022	0.0435		
	Cadmium	0.941	4.24	1.78	6.93	2.92	4.53	0.782	0.505	1	
	Chromium	37	53.5	14.4	73.6	42	56.4	3.1	3.26	10	
	Copper	42	118	72.1	225	166	176	20.8	13.3	25	
	Lead	27.7	65.5	51.2	186	73.3	106	20.7	13.7		
	Nickel	13.1	12.5	3.77	17	9.66	12.3	0.964	0.609	13	
	Selenium	< 0.481	< 0.485	1.38	< 0.633	< 0.49	< 0.485	1.32	0.734	2	
	Silver	2.7	< 0.485	0.302	1.32	< 0.49	0.658	0.116	0.085		
	Thallium	< 0.481	< 0.485	< 0.01	< 0.633	< 0.49	< 0.485	< 0.01	< 0.01	20	
	Zinc	278	801	408	1610	925	1130	135	127		
	Mercury	0.207	0.253	NA	NA	0.33	0.396	NA	NA	0.1	
	Silica		Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	
		Quartz	8.7	1.5	1.5	1.6	8.2	1.4	2	3.1	
		Cristobalite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
		Tridymite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Total Crystalline Silica		8.7	1.5	1.5	1.6	8.2	1.4	2	3.1		

Sample # Location	M12-1	M12-2	M12-3	M12-4	M11-1	M11-2	M11-3	M11-4	TAGM
Metals									
Antimony	7.41 mg/kg	7.21 mg/kg	1.58 ug/sf	5.08 ug/sf	11.1 mg/kg	11.3 mg/kg	13.6 mg/kg	2.92 ug/sf	7.5
Arsenic	1.56	2.11	3.5	1.01	1.84	2.62	2.82	0.664	0.16
Beryllium	1.56	1.29	0.046	0.008	1.11	1.65	1.79	0.016	1
Cadmium	1.07	2.8	0.472	0.654	2.7	4.12	4.32	0.576	10
Chromium	45.2	44.3	3.6	3.44	32.8	52.7	57.8	2.36	25
Copper	96.8	111	16.8	23.3	152	163	168	17.5	
Lead	28.5	56.1	19.5	20.3	72	98.3	101	17	
Nickel	20.2	10.8	6.09	1	7.79	11.1	12.3	1	13
Selenium	< 0.510	< 0.495	0.94	1.26	< 0.505	< 0.495	< 0.485	0.822	2
Silver	< 0.510	< 0.495	0.168	0.121	0.507	0.7	0.708	0.315	
Thallium	< 0.510	< 0.495	< 0.01	< 0.01	< 0.505	< 0.495	< 0.485	< 0.01	20
Zinc	376	720	217	129	827	988	1050	147	0.1
Mercury	0.423	0.376	NA	NA	0.325	0.366	0.378	NA	

Silica	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %
Quartz	4.9	5.7	1.1	1.8	2.3	1.3	1.9	2.5
Cristobalite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Tridymite	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Total Crystalline Silica	4.9	5.7	1.1	1.8	2.3	1.3	1.9	2.5

	Sample #	PCB5-01	PCB5-02	PCB5-03	PCB6-01	PCB6-02	PCB6-03	PCB6-04	PCB6-05	TAGM
	Location									
PCB	Aroclor 1016	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/sf	ug/sf	ug/sf	mg/kg
		< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1221	< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1232	< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1242	< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1248	< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1254	150	360	< 82	62	< 69	< 2	2.9	< 2	1
	Aroclor 1260	< 33	< 82	< 82	< 33	< 69	< 2	< 2	< 2	1
	Aroclor 1262	NA	NA	NA	NA	NA	NA	NA	< 2	1
	Aroclor 1268	NA	NA	NA	NA	NA	NA	< 2	< 2	1

[illegible]

											TAGM
Sample # Location	PCB8-01 PCB8-02 PCB8-03 PCB8-04 PCB8-05 PCB8-06 PCB8-07 PCB8-08								mg/kg		
	ug/kg	ug/sf	ug/sf	ug/kg	ug/kg	ug/sf	ug/sf	ug/kg			
PCB											
Aroclor 1016	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1221	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1232	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1242	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1248	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1254	290	< 2	< 2	1600	2000	< 2	< 2	1400	1		
Aroclor 1260	< 35	< 2	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1262	NA	NA	< 2	< 110	< 210	< 2	< 2	< 200	1		
Aroclor 1268	NA	NA	< 2	< 110	< 210	< 2	< 2	< 200	1		
Sample # Location	PCB8-09 PCB9-01 PCB9-07 PCB9-08 PCB9-10								mg/kg	TAGM	
	ug/sf	ug/kg				ug/kg	ug/kg	ug/sf			
PCB											
Aroclor 1016	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1221	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1232	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1242	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1248	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1254	< 2	130				620	1400	< 2	1		
Aroclor 1260	< 2	< 33				< 120	< 150	< 2	1		
Aroclor 1262	< 2	NA				< 120	< 150	< 2	1		
Aroclor 1268	< 2	NA				< 120	< 150	< 2	1		

TAGM										
Sample # Location	PCB10-01 PCB11-01 PCB12-01 PCB10-05 PCB10-06 PCB10-07									
	ug/kg	ug/kg	ug/kg	ug/kg	ug/sf	ug/sf	ug/sf	ug/sf	ug/sf	mg/kg
PCB	Aroclor 1016	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1221	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1232	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1242	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1248	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1254	1400	550	270	670	< 2	< 2	< 2	< 2	1
	Aroclor 1260	< 180	< 140	< 89	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1262	NA	NA	NA	< 130	< 2	< 2	< 2	< 2	1
	Aroclor 1268	NA	NA	NA	< 130	< 2	< 2	< 2	< 2	1

Sample # Location	PCB11-02 PCB11-03 PCB11-04 PCB11-05 PCB11-06 PCB11-07 PCB11-08 PCB11-09 PCB11-10 TAGM										mg/kg
	ug/sf	ug/sf	ug/sf	ug/sf	ug/sf	ug/sf	ug/sf	ug/sf	ug/kg	ug/sf	
Aroclor 1016	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1221	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1232	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1242	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1248	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1254	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	1100	< 2	1
Aroclor 1260	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1262	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1
Aroclor 1268	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 200	< 2	1

Sample # Location	PNA5-01	PNA5-02	PNA5-03	PNA6-01	PNA6-02	PNA6-03	PNA7-01	TAGM
PNA								
Acenaphthene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	50
Acenaphthylene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	41
Anthracene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	50
Benzo(a)anthracene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	0.224
Benzo(a)pyrene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	0.061
Benzo(b)fluoranthene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	1.1
Benzo(g,h,i)perylene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	50
Benzo(k)fluoranthene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	1.1
Chrysene	< 670	700	< 1200	< 670	< 1300	< 5	< 2100	0.4
Dibenzo(a,h)anthracene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	0.014
Fluoranthene	1400	2500	< 1200	1100	3700	< 5	5500	50
Fluorene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	50
Indeno(1,2,3-cd)pyrene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	3.2
Naphthalene	< 670	< 580	< 1200	< 670	< 1300	< 5	< 2100	13
Phenanthrene	1400	2500	< 1200	1600	3200	< 5	5400	50
Pyrene	1200	2000	< 1200	870	2700	< 5	4800	50

Sample # Location	PNA8-01	PNA8-02	PNA9-01	PNA10-01	PNA11-01	PNA12-01	TAGM
PNA	ug/kg	ug/st	ug/kg	ug/kg	ug/kg	ug/kg	mg/kg
Acenaphthene	< 1900	< 5	< 920	< 1800	< 850	< 580	50
Acenaphthylene	< 1900	< 5	< 920	< 1800	< 850	< 580	41
Anthracene	< 1900	< 5	< 920	< 1800	< 850	< 580	50
Benzo(a)anthracene	< 1900	< 5	< 920	< 1800	< 850	< 580	0.224
Benzo(a)pyrene	< 1900	< 5	< 920	< 1800	< 850	< 580	0.061
Benzo(b)fluoranthene	< 1900	< 5	< 920	< 1800	< 850	< 580	1.1
Benzo(g,h,i)perylene	< 1900	< 5	< 920	< 1800	< 850	< 580	50
Benzo(k)fluoranthene	< 1900	< 5	< 920	< 1800	< 850	< 580	1.1
Chrysene	< 1900	< 5	< 920	< 1800	< 850	< 580	0.4
Dibenzo(a,h)anthracene	< 1900	< 5	< 920	< 1800	< 850	< 580	0.014
Fluoranthene	< 1900	< 5	1200	1800	1800	1700	50
Fluorene	< 1900	< 5	< 920	< 1800	< 850	< 580	50
Indeno(1,2,3-cd)pyrene	< 1900	< 5	< 920	< 1800	< 850	< 580	3.2
Naphthalene	< 1900	< 5	< 920	< 1800	< 850	< 580	13
Phenanthrene	< 1900	< 5	1400	2000	1500	1400	50
Pyrene	< 1900	< 5	930	< 1800	1300	1100	50

Sample #	Location	D5-02	D5-03	D5-04	D5-05	D5-06	D5-07	D5-08	D5-09	D5-10	D5-11	D5-12
Dioxin TEQ		971.5	510.9	610.8 Prelim	662.8 Prelim	1443.5 Prelim	1625.9 Prelim	821.2 Prelim	628.0 Prelim	602.2 Prelim	243.1 Prelim	217.7 Prelim
Dioxin Compound				Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe
2,3,7,8-TCDD		61	29	27	32	150	95	49	21	22	6	8
1,2,3,7,8-PeCDD		97	49	160	170	330	360	180	140	140	63	51
1,2,3,4,7,8-HxCDD		76	38	100	130	230	250	120	110	110	65	52
1,2,3,7,8,9-HxCDD		130	66	190	210	360	520	230	210	220	110	100
1,2,3,6,7,8-HxCDD		210	20	200	200	380	490	240	210	220	110	99
1,2,3,4,6,7,8-HpCDD		750	420	730	760	1600	2400	960	860	810	410	380
1,2,3,4,6,7,8,9-OCDD		2000	1400	850	1000	3600	3500	1300	1100	920	460	530
2,3,7,8-TCDF		570	180	240	250	560	690	410	110	140	25	40
1,2,3,7,8-PeCDF		490	250	330	360	910	940	510	340	320	91	99
2,3,4,7,8-PeCDF		930	540	460	510	1100	1200	640	500	460	170	150
1,2,3,4,7,8-HxCDF		1000	510	370	370	710	1000	460	410	370	170	150
1,2,3,7,8,9-HxCDF		470	260	260	270	590	860	390	370	350	140	140
1,2,3,6,7,8-HxCDF		370	230	240	260	580	790	340	340	330	140	120
2,3,4,6,7,8-HxCDF		150	50	26	28	64	110	53	44	29	7.3	11
1,2,3,4,6,7,8-HpCDF		1300	820	640	730	160	2400	1100	940	790	340	330
1,2,3,4,7,8,9-HpCDF		560	240	88	93	250	440	160	140	120	28	34
1,2,3,4,6,7,8,9-OCDF		1100	630	270	290	900	1400	400	460	340	58	120

Sample # Location Dioxin TEQ	D6-01	D6-02	D6-03	D6-04	D6-05	D6-06	D6-07	D6-08	D6-9	D6-10	D6-11
Dioxin Compound											
2,3,7,8-TCDD	3.9	27	100	10	5.4	7.1	13	50	3.3	8	20
1,2,3,7,8-PeCDD	3.5	40	85	38	11	37	89	220	10	26	110
1,2,3,4,7,8-HxCDD	6.7	38	140	32	8.2	38	110	120	19	35	68
1,2,3,7,8,9-HxCDD	10	75	240	62	18	71	110	210	29	49	130
1,2,3,6,7,8-HxCDD	7.7	120	420	53	13	60	190	210	42	51	120
1,2,3,4,6,7,8-HpCDD	98	440	960	260	55	240	330	710	120	280	450
1,2,3,4,6,7,8,9-OCDD	1100	2300	2700	440	73	310	470	1100	200	550	690
2,3,7,8-TCDF	26	200	670	51	15	30	76	260	7	36	100
1,2,3,7,8-PeCDF	33	180	640	87	23	65	140	450	22	69	190
2,3,4,7,8-PeCDF	48	310	980	110	30	110	240	610	43	77	290
1,2,3,4,7,8-HxCDF	46	340	1100	100	24	100	160	390	40	90	200
1,2,3,7,8,9-HxCDF	26	150	470	82	21	72	36	340	24	47	150
1,2,3,6,7,8-HxCDF	40	150	450	65	17	76	39	320	28	37	150
2,3,4,6,7,8-HxCDF	3.3	53	150	6.4	2.6	7.8	12	34	3.3	4.3	13
1,2,3,4,6,7,8-HpCDF	83	450	1300	240	50	260	320	820	110	370	450
1,2,3,4,7,8,9-HpCDF	6.1	130	370	24	4.9	33	80	130	19	69	55
1,2,3,4,6,7,8,9-OCDF	91	460	1300	88	19	89	130	370	45	240	200

Sample #	D7-01	D7-02	D7-03	D7-04
Location				
Dioxin TEQ	459.0	164.6 Prelim	90.1 Prelim	12.3 Prelim
Dioxin Compound		Wipe	Wipe	Wipe
2,3,7,8-TCDD	33	9.1	7.2	2.6
1,2,3,7,8-PeCDD	52	36	24	4.4
1,2,3,4,7,8-HxCDD	68	42	15	3
1,2,3,7,8,9-HxCDD	110	67	23	2.9
1,2,3,6,7,8-HxCDD	140	76	44	3.8
1,2,3,4,6,7,8-HpCDD	710	440	140	27
1,2,3,4,6,7,8,9-OCDD	3400	920	340	140
2,3,7,8-TCDF	130	60	40	2.6
1,2,3,7,8-PeCDF	230	84	47	3.9
2,3,4,7,8-PeCDF	380	110	62	3.9
1,2,3,4,7,8-HxCDF	530	120	40	8.2
1,2,3,7,8,9-HxCDF	230	63	33	1.7
1,2,3,6,7,8-HxCDF	250	80	30	2.9
2,3,4,6,7,8-HxCDF	74	8	3.5	1.6
1,2,3,4,6,7,8-HpCDF	870	370	110	15
1,2,3,4,7,8,9-HpCDF	300	50	13	4
1,2,3,4,6,7,8,9-OCDF	1100	200	70	17

Sample # Location Dioxin TEQ	D8-01	D8-03	D8-04	D8-05	D8-06	D8-07	D8-08	D8-09	D8-10	D8-11
	114.4	531.3 Prelim	1103.4 Prelim	470.3 Prelim	1673.3 Prelim	2217.4 Prelim	1337.4 Prelim	915.1 Prelim	55.6 Prelim	34.0 Prelim
Dioxin Compound		Wipe			Wipe	Wipe		Wipe	Wipe	Wipe
2,3,7,8-TCDD	12	23	96	40	140	120	130	53	5	13
1,2,3,7,8-PeCDD	15	170	280	120	470	630	250	240	13	12
1,2,3,4,7,8-HxCDD	10	79	140	65	220	300	120	140	15	7.5
1,2,3,7,8,9-HxCDD	24	150	260	130	430	590	220	240	25	7.7
1,2,3,6,7,8-HxCDD	42	140	240	110	400	510	220	240	30	7
1,2,3,4,6,7,8-HpCDD	380	380	1000	600	1400	1800	850	870	75	13
1,2,3,4,6,7,8,9-OCDD	5000	390	2800	3700	1900	2400	2200	1300	160	46
2,3,7,8-TCDF	46	180	880	330	840	1200	790	480	11	3.1
1,2,3,7,8-PeCDF	57	270	680	280	1000	1300	720	530	22	6.4
2,3,4,7,8-PeCDF	81	400	790	330	1200	1700	1100	720	38	6.3
1,2,3,4,7,8-HxCDF	97	250	450	190	750	950	770	440	36	7.1
1,2,3,7,8,9-HxCDF	52	200	370	180	620	800	660	310	20	6.4
1,2,3,6,7,8-HxCDF	43	160	370	170	530	720	540	270	17	6.8
2,3,4,6,7,8-HxCDF	17	12	36	17	45	58	74	35	6.8	7.2
1,2,3,4,6,7,8-HpCDF	540	350	1200	500	1400	1900	1900	960	55	10
1,2,3,4,7,8,9-HpCDF	120	34	150	74	160	230	410	160	8.1	2.4
1,2,3,4,6,7,8,9-OCDF	340	98	590	270	580	700	1700	430	20	7.3

Sample # Location	D9-01	D9-01A	D9-02A	D9-02	D9-03	D9-04	D9-05	D9-07	D9-08	D9-09	D9-10
Dioxin TEQ	98.3	1589.2	209.0	382.6	273.5	819.8	987.7	685.4	1167.1	411.9	212.1
		Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim
Dioxin Compound		Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe
2,3,7,8-TCDD	7.7	59	7.3	19	7.6	38	51	70	100	27	6.9
1,2,3,7,8-PeCDD	11	460	47	100	69	210	250	140	260	120	62
1,2,3,4,7,8-HxCDD	10	260	51	76	62	110	200	98	150	85	45
1,2,3,7,8,9-HxCDD	20	500	98	110	110	240	260	160	260	120	83
1,2,3,6,7,8-HxCDD	28	500	100	130	110	170	310	160	250	130	78
1,2,3,4,6,7,8-HpCDD	120	1300	370	380	370	910	890	630	1000	350	240
1,2,3,4,6,7,8,9-OCDD	760	1400	520	480	350	1100	930	2200	2700	400	260
2,3,7,8-TCDF	58	410	44	100	51	200	340	490	900	140	38
1,2,3,7,8-PeCDF	48	870	92	200	120	390	560	400	760	230	74
2,3,4,7,8-PeCDF	92	1200	140	300	210	580	850	530	910	310	150
1,2,3,4,7,8-HxCDF	83	800	150	250	200	480	560	350	500	250	140
1,2,3,7,8,9-HxCDF	37	770	140	150	130	620	230	250	400	86	90
1,2,3,6,7,8-HxCDF	40	620	130	130	110	560	220	230	420	85	110
2,3,4,6,7,8-HxCDF	11	98	13	11	13	50	27	24	33	11	13
1,2,3,4,6,7,8-HpCDF	100	1500	340	360	310	920	850	660	1100	350	220
1,2,3,4,7,8,9-HpCDF	26	270	37	46	42	84	150	100	150	65	18
1,2,3,4,6,7,8,9-OCDF	74	460	100	140	130	350	380	410	600	130	90

Sample # Location Dioxin TEQ	D10-01	D10-01A	D10-02A	D10-02	D10-03	D10-04	D10-05	D10-06	D10-07	D10-08	D10-09	D10-10
Dioxin Compound												
2,3,7,8-TCDD	36	58	3.9	9.6	8.6	72	97	31	65	10	16	14
1,2,3,7,8-PeCDD	38	280	47	13	52	220	250	240	240	49	50	60
1,2,3,4,7,8-HxCDD	33	180	60	13	44	130	140	220	160	60	44	44
1,2,3,7,8,9-HxCDD	75	340	93	19	75	220	250	330	270	100	73	75
1,2,3,6,7,8-HxCDD	110	370	99	29	51	140	250	200	160	68	42	49
1,2,3,4,6,7,8-HpCDD	840	1000	340	82	230	730	930	980	850	470	240	250
1,2,3,4,6,7,8,9-OCDD	45000	1400	380	110	310	1200	2600	930	910	560	250	280
2,3,7,8-TCDF	180	460	25	5.9	49	430	590	120	370	44	53	61
1,2,3,7,8-PeCDF	180	700	75	15	90	500	570	370	540	100	87	99
2,3,4,7,8-PeCDF	310	840	130	27	140	610	700	670	810	120	150	170
1,2,3,4,7,8-HxCDF	310	620	140	35	130	480	460	660	550	220	140	140
1,2,3,7,8,9-HxCDF	150	520	110	19	64	280	400	320	290	120	76	100
1,2,3,6,7,8-HxCDF	150	500	130	17	54	230	400	270	250	97	65	87
2,3,4,6,7,8-HxCDF	11	55	13	5.5	7.4	22	26	47	34	12	7	7.7
1,2,3,4,6,7,8-HpCDF	450	1000	330	84	220	800	940	1100	970	540	35	240
1,2,3,4,7,8,9-HpCDF	100	160	47	11	22	130	110	180	190	89	350	32
1,2,3,4,6,7,8,9-OCDF	670	400	150	36	46	450	510	300	510	270	98	98

Sample # Location	D11-01	D11-1A	D11-2A	D11-2	D11-3	D11-4	D11-5	D11-6	D11-7	D11-8	D11-9	D11-10
Dioxin TEQ	466.8	559.2	450.3	272.6	140.9	790.7	622.0	476.4	1063.5	262.8	837.5	117.4
	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim
Dioxin Compound	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe
2,3,7,8-TCDD	42	9.8	22	11	8.1	54	19	19	87	15	87	13
1,2,3,7,8-PeCDD	57	140	110	86	45	190	180	150	320	81	200	31
1,2,3,4,7,8-HxCDD	43	130	92	65	29	130	140	100	150	57	110	24
1,2,3,7,8,9-HxCDD	88	240	170	110	41	260	260	190	280	99	200	35
1,2,3,6,7,8-HxCDD	140	250	170	100	78	240	240	130	200	79	190	36
1,2,3,4,6,7,8-HpCDD	430	660	600	320	150	880	740	520	880	290	870	140
1,2,3,4,6,7,8,9-OCDD	1500	650	710	320	160	1000	700	500	1200	280	2900	210
2,3,7,8-TCDF	290	110	140	54	27	290	94	89	480	60	590	24
1,2,3,7,8-PeCDF	210	250	250	110	53	440	230	220	560	110	460	47
2,3,4,7,8-PeCDF	420	400	300	180	85	580	440	320	760	180	570	73
1,2,3,4,7,8-HxCDF	420	370	330	160	76	430	370	300	410	140	360	72
1,2,3,7,8,9-HxCDF	190	360	260	120	65	400	320	230	420	110	330	57
1,2,3,6,7,8-HxCDF	170	320	230	110	65	370	320	190	350	98	360	54
2,3,4,6,7,8-HxCDF	18	43	26	20	15	31	21	28	19	11	92	16
1,2,3,4,6,7,8-HpCDF	560	710	690	270	140	920	680	490	770	270	920	120
1,2,3,4,7,8,9-HpCDF	130	82	100	22	15	140	74	54	91	25	110	13
1,2,3,4,6,7,8,9-OCDF	430	130	380	88	57	550	260	120	320	98	560	40

Sample #	D12-01	D12-1A	D12-2A	D12-2	D12-03	D12-05	D12-06	D12-07	D12-09	D12-10
Location										
Dioxin TEQ	158.0	515.6	13.7	1106.3	1862.2	1296.9	820.8	299.9	67.7	283.1
	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim	Prelim
Dioxin Compound	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe	Wipe
2,3,7,8-TCDD	13	39	2.3	66	190	63	29	15	3.7	5.6
1,2,3,7,8-PeCDD	19	120	3.5	350	440	390	200	72	12	72
1,2,3,4,7,8-HxCDD	11	87	3.1	230	210	300	200	65	19	120
1,2,3,7,8,9-HxCDD	23	150	4.2	410	420	480	270	92	26	130
1,2,3,6,7,8-HxCDD	35	140	8.1	280	230	300	390	120	53	220
1,2,3,4,6,7,8-HpCDD	190	640	26	1200	1300	1400	920	390	120	430
1,2,3,4,6,7,8,9-OCDD	2300	1900	61	1300	2700	1600	1100	520	170	440
2,3,7,8-TCDF	130	260	8.5	240	1200	380	260	100	12	38
1,2,3,7,8-PeCDF	89	280	3.6	540	1000	660	420	180	30	100
2,3,4,7,8-PeCDF	110	370	5.2	730	1500	900	680	220	49	210
1,2,3,4,7,8-HxCDF	150	320	7.8	730	800	850	500	220	67	230
1,2,3,7,8,9-HxCDF	120	230	6.8	400	610	470	230	120	31	55
1,2,3,6,7,8-HxCDF	65	210	4.7	410	520	460	220	120	32	61
2,3,4,6,7,8-HxCDF	21	26	1.3	36	40	41	37	15	2.8	11
1,2,3,4,6,7,8-HpCDF	700	750	32	1100	1400	1600	930	420	140	380
1,2,3,4,7,8,9-HpCDF	190	110	4.1	150	190	260	150	52	12	79
1,2,3,4,6,7,8,9-OCDF	520	640	22	460	710	680	370	180	53	180

Sample #	D10-05	D10-05-D	D11-9	D11-9-D
Laboratory	STL	PSC	STL	PSC
Dioxin TEQ	997.2	970.1	837.5	1961.6
	Prelim	Prelim	Prelim	Prelim
Dioxin Compound				
2,3,7,8-TCDD	97	52	87	120
1,2,3,7,8-PeCDD	250	100	200	220
1,2,3,4,7,8-HxCDD	140	71	110	140
1,2,3,7,8,9-HxCDD	250	130	200	230
1,2,3,6,7,8-HxCDD	250	180	190	350
1,2,3,4,6,7,8-HpCDD	930	570	870	980
1,2,3,4,6,7,8,9-OCDD	2600	1800	2900	2200
2,3,7,8-TCDF	590	2500 P	590	5900 P
1,2,3,7,8-PeCDF	570	490	460	780
2,3,4,7,8-PeCDF	700	700	570	1400
1,2,3,4,7,8-HxCDF	460	740	360	1100
1,2,3,7,8,9-HxCDF	400	310	330	410
1,2,3,6,7,8-HxCDF	400	230	360	370
2,3,4,6,7,8-HxCDF	26	71	92	100
1,2,3,4,6,7,8-HpCDF	940	890	920	980
1,2,3,4,7,8,9-HpCDF	110	360	110	230
1,2,3,4,6,7,8,9-OCDF	510	20000	560	5000

Sample # Location Dioxin TEQ	D12-01	D11-01	D10-01	D9-01	D8-01	D6-01	D6-02	D6-03	D7-01	D5-02	D5-03
Dioxin Compound											
2,3,7,8-TCDD	13	42	36	7.7	12	3.9	27	100	33	61	29
1,2,3,7,8-PeCDD	19	57	38	11	15	3.5	40	85	52	97	49
1,2,3,4,7,8-HxCDD	11	43	33	10	10	6.7	38	140	68	76	38
1,2,3,7,8,9-HxCDD	23	88	75	20	24	10	75	240	110	130	66
1,2,3,6,7,8-HxCDD	35	140	110	28	42	7.7	120	420	140	210	20
1,2,3,4,6,7,8-HpCDD	190	430	840	120	380	98	440	960	710	750	420
1,2,3,4,6,7,8,9-OCDD	2300	1500	45000	760	5000	1100	2300	2700	3400	2000	1400
2,3,7,8-TCDF	130	290	180	58	46	26	200	670	130	570	180
1,2,3,7,8-PeCDF	89	210	180	48	57	33	180	640	230	490	250
2,3,4,7,8-PeCDF	110	420	310	92	81	48	310	980	380	930	540
1,2,3,4,7,8-HxCDF	150	420	310	83	97	46	340	1100	530	1000	510
1,2,3,7,8,9-HxCDF	120	190	150	37	52	26	150	470	230	470	260
1,2,3,6,7,8-HxCDF	65	170	150	40	43	40	150	450	250	370	230
2,3,4,6,7,8-HxCDF	21	18	11	11	17	3.3	53	150	74	150	50
1,2,3,4,6,7,8-HpCDF	700	560	450	100	540	83	450	1300	870	1300	820
1,2,3,4,7,8,9-HpCDF	190	130	100	26	120	6.1	130	370	300	560	240
1,2,3,4,6,7,8,9-OCDF	520	430	670	74	340	91	460	1300	1100	1100	630

ATTACHMENT C
SAMPLE ANALYTICAL RESULTS

RJ LeeGroup, Inc.350 Hochberg Road Monroeville, PA 15146
Voice 724/325-1776 Fax 724/733-1799**LABORATORY REPORT**Emteque
505 8th Avenue, Suite 900
New York, NY 10018
ATTENTION: Mr. Neil Feldscher
TELEPHONE: (212) 631 - 9000REPORT DATE October 19, 2001
SAMPLES RECEIVED October 15, 2001
RJ LEE GROUP JOB NO. XRH110131
CLIENT JOB NO. 010496 90 Church St.
PURCHASE ORDER NO. N/A

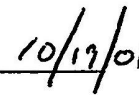
Table 1 of 3

ANALYSIS: Bulk Analysis Of Crystalline Free Silica
METHODS: X-ray Diffraction

A portion of each bulk sample was ground to a fine powder, mixed with calcium fluoride (CaF_2) as an internal standard, ground further, and backloaded into a standard XRD holder. The samples were then scanned using standard run parameters on a Philips XRD unit, equipped with graphite monochromatized copper radiation. The weight percentage of silica was calculated through the use of the internal standard and calibration coefficients derived from standards NBS - 1878 quartz, NBS - 1879 cristobalite, and NIOSH/IITRI TY27 tridymite mixed with CaF_2 . Samples weighing < 0.1 grams were deposited onto a silver membrane filter and analyzed according to a modified NIOSH 7500 method.

Sample Identification		Quartz (Weight %)	Cristobalite (Weight %)	Tridymite (Weight %)	Total Crystalline Silica (Weight %)	Detection Limit
Client I.D.	RJ Lee Group					
S12-01	0340771	4.9	*	*	4.9	0.2
S12-02	0340772	5.7	*	*	5.7	0.2
S12-03	0340773	1.1	*	*	1.1	0.2
S12-04	0340774	1.8	*	*	1.8	0.2
S11-01	0340775	2.3	*	*	2.3	0.2
S11-02	0340776	1.3	*	*	1.3	0.2
S11-03	0340777	1.9	*	*	1.9	0.2
S11-04	0340778	2.5	*	*	2.5	0.2
S10-01	0340779	8.2	*	*	8.2	0.2
S10-02	0340780	1.4	*	*	1.4	0.2

*No cristobalite or tridymite detected (< 0.2 wt. % detection limit).


Stephen A. Brown
Manager, X-ray Diffraction Group


Date

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

RJ LeeGroup, Inc.

350 Hochberg Road Monroeville, PA 15146
Voice 724/325-1776 Fax 724/733-1799

LABORATORY REPORT

Emteque
505 8th Avenue, Suite 900
New York, NY 10018
ATTENTION: Mr. Neil Feldscher
TELEPHONE: (212) 631 - 9000

REPORT DATE October 19, 2001
SAMPLES RECEIVED October 15, 2001
RJ LEE GROUP JOB NO. XRH110131
CLIENT JOB NO. 010496 90 Church St.
PURCHASE ORDER NO. N/A

Table 2 of 3

ANALYSIS: Bulk Analysis Of Crystalline Free Silica
METHODS: X - ray Diffraction

A portion of each bulk sample was ground to a fine powder, mixed with calcium fluoride (CaF_2) as an internal standard, ground further, and backloaded into a standard XRD holder. The samples were then scanned using standard run parameters on a Philips XRD unit, equipped with graphite mono-chromatized copper radiation. The weight percentage of silica was calculated through the use of the internal standard and calibration coefficients derived from standards NBS - 1878 quartz, NBS - 1879 cristobalite, and NIOSH/IITRI TY27 tridymite mixed with CaF_2 . Samples weighing < 0.1 grams were deposited onto a silver membrane filter and analyzed according to a modified NIOSH 7500 method.

Sample Identification		Quartz (Weight %)	Cristobalite (Weight %)	Tridymite (Weight %)	Total Crystalline Silica (Weight %)	Detection Limit
Client I.D.	RJ Lee Group					
S10-03	0340781	2.0	*	*	2.0	0.2
S10-04	0340782	3.1	*	*	3.1	0.2
S9-01	0340783	8.7	*	*	8.7	0.2
S9-02	0340784	1.5	*	*	1.5	0.2
S9-03	0340785	1.5	*	*	1.5	0.2
S9-04	0340786	1.6	*	*	1.6	0.2
S8-01	0340787	3.2	*	*	3.2	0.2
S8-02	0340788	3.8	*	*	3.8	0.2
S8-03	0340789	3.4	*	*	3.4	0.2
S8-04	0340790	2.0	*	*	2.0	0.3

*No cristobalite or tridymite detected (< 0.2 wt. % detection limit).


Stephen A. Brown
Manager, X-ray Diffraction Group

10/19/01
Date

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

RJ LeeGroup, Inc.350 Hochberg Road Monroeville, PA 15146
Voice 724/325-1776 Fax 724/733-1799**LABORATORY REPORT**Emteque
505 8th Avenue, Suite 900
New York, NY 10018
ATTENTION: Mr. Neil Feldscher
TELEPHONE: (212) 631 - 9000REPORT DATE October 19, 2001
SAMPLES RECEIVED October 15, 2001
RJ LEE GROUP JOB NO. XRH110131
CLIENT JOB NO. 010496 90 Church St.
PURCHASE ORDER NO. N/A

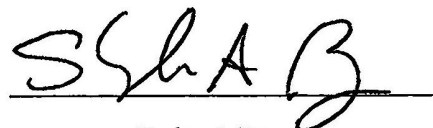
Table 3 of 3

ANALYSIS: Bulk Analysis Of Crystalline Free Silica
METHODS: X - ray Diffraction

A portion of each bulk sample was ground to a fine powder, mixed with calcium fluoride (CaF_2) as an internal standard, ground further, and backloaded into a standard XRD holder. The samples were then scanned using standard run parameters on a Philips XRD unit, equipped with graphite monochromatized copper radiation. The weight percentage of silica was calculated through the use of the internal standard and calibration coefficients derived from standards NBS - 1878 quartz, NBS - 1879 cristobalite, and NIOSH/IITRI TY27 tridymite mixed with CaF_2 . Samples weighing < 0.1 grams were deposited onto a silver membrane filter and analyzed according to a modified NIOSH 7500 method.

Sample Identification		Quartz (Weight %)	Cristobalite (Weight %)	Tridymite (Weight %)	Total Crystalline Silica (Weight %)	Detection Limit
Client I.D.	RJ Lee Group					
S8-05	0340791	1.8	*	*	1.8	0.2
S6-01	0340792	12.0	*	*	12.0	0.2
S6-02	0340793	1.7	*	*	1.7	0.2
S6-03	0340794	1.6	*	*	1.6	0.2
S6-04	0340795	1.9	*	*	1.9	0.2
S7-01	0340796	3.1	*	*	3.1	0.2
S7-02	0340797	4.9	*	*	4.9	0.2
S7-03	0340798	3.8	*	*	3.8	0.2
S7-04	0340799	3.5	*	*	3.5	0.2
S5-01	0340800	3.9	*	*	3.9	0.2
S5-02	0340801	1.4	*	*	1.4	0.2
S5-03	0340802	2.5	*	*	2.5	0.2
S5-04	0340803	1.1	*	*	1.1	0.2

*No cristobalite or tridymite detected (< 0.2 wt. % detection limit).



Stephen A. Brown
Manager, X-ray Diffraction Group

10/19/01
Date

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

EMTEQUE Corporation
505 Eighth Avenue, Suite 900
New York, New York 10018
Phone: (212) 631-9000
Fax: (212) 631-8066

SAMPLE LOG

Page 9 of 3

WORK AREA: Floors 12, 11, 10, 9

PROJECT SITE: 90 Church Street

010496

PROJECT #:

DATE: October 13, 2001

NAF/ET/RH/JS

TECHNICIAN:

Print

Neil Feldscher

PROJECT MGR.:

TAT: RUSH

FOR LABORATORY USE ONLY

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
S12-01	SE CORNER OFFICE #12193 : BAKANA AVALLO	SILICA
-02	SW CURBICLE #12107	
-03	N CENTRAL CURBICLE #12291	
-04	E. CENTRAL CURBICLE #12079	
S11-01	SE CORNER OFFICE #11201	
02	S. CENTRAL ADJACENT TO #11131	
03	S. CORNER CURBICLE #11120	
04	NE WINDOW SILL ADJACENT CURBICLE #11044	
S10-01	SW CORNER OFFICE #10210	
02	S. CENTRAL DOPY ROOM #10157	
03	SE SILICA CURBICLE #10014	
04	N CENTRAL PAINTRY #10029	
S9-01	SW CORNER OFFICE #9208	
02	S CENTRAL CURBICLE #9127	
03	E. SIDE CENTER CURBICLE #9070	
RELINQUISHED BY: RAY HERRERA	RECEIVED BY: S. L. A. J.	DATE: <u>10/13/01</u> TIME: <u>4:40 pm</u>
RELINQUISHED BY:	RECEIVED BY:	DATE: <u>10/15/01</u> TIME: <u>10:00 am</u>
RELINQUISHED BY:	RECEIVED BY:	DATE: <u>10/15/01</u> TIME: <u>10:00 am</u>

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SAMPLE LOG

Page 3 of 3

PROJECT # : 010496

PROJECT SITE: 90 Church Street

DATE: October 13, 2001

TECHNICIAN: NAF/ET/RH/S

TAT: RUSH

Print

PROJECT MGR.: Neil Feldscher

WORK AREA: Floors: 9, 8, 6, 7, 5

FOR LABORATORY USE ONLY

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
59-04	N. CENTRAL CUBICLE # 9314	GLUCA
58-01	SW CORNER OFFICE # 8176	
02	NW AREA CUBICLE # 8195	
03	SW CENTRAL CUBICLE # 8147	
04	N. CENTRAL AREA TECHNOLOGY CENTER ADJ PDU #3	
58-05	E SIDE CUBICLE # 8054	
56-01	SW CORNER CUBICLE # 6330	
02	SW CORNER CUBICLE # 6240	
03	S. CENTRAL AREA CUBICLE # 6380	
04	E. CENTRAL CAFETERIA	
57-01	N. SIDE ASSIST. DIRECTOR OFFICE WING DOWN STAIR	
02	N. SIDE BLDG STAIRCASES & RECEIVING ROOM FLOOR	
03	N.W. SIDE MAIL ROOM	
04	N.W. SIDE COPY ROOM	
55-01	SW CORNER AREA ADJ. # 5376	
RELINQUISHED BY: <u>Kay Hernandez</u>	DATE: <u>10/13/01</u> TIME: <u>4:40pm</u>	RECEIVED BY: <u>S. A. G.</u> DATE: <u>10/15/01</u> TIME: <u>10:00am</u>
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY: DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY: DATE: TIME:



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SAMPLE LOG

INDIAN

PROJECT #:

010496

PROJECT SITE:

90 Church Street

WORK AREA:

TECHNICIAN:

NAF/ET/RH/JS

Print

Neil Feldscher

TAT: RUSH

DATE: October 13, 2001

FOR LABORATORY USE ONLY

PROJECT MGR.:

FIELD SAMPLE
I.D. No.

SAMPLE DESCRIPTION
LOCATION/ACTIVITY

ANALYTICAL METHOD/ COMMENTS

4/27/67

ADJ Rm # 5409

ADJ OFFICE # 5289

405 WINDWARD GULL

2001

REFRESHED BY:

20000711

DATE: / /

TIME: 1.1/a

RECEIVED BY:

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RELINQUISHED BY:

DATE:

TIME:

RECEIVED BY:

Two

Abstract

RELINQUISHED BY:

DATE: _____

TIME:

RECEIVED BY:

11

EMSL**New York Lab**

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 2122900058 Email:

Attn: Emteque Corporation
505 Eighth Avenue
Suite 900
New York, NY 10018

Fax: (212) 631-8066

Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
A5-03 30106235-0001	Scentral area cubicle 5517	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Glass 23.00% Cellulose	14.60% Non-fibrous (other)	2.40% Chrysotile
A5-04 30106235-0002	SE corner area cubicle 5574	Gray Fibrous Homogeneous	Dissolved Teased	70.00% Glass	30.00% Non-fibrous (other)	None Detected
A5-05 030106235-0003	E side area cubicle 05077					Not Submitted
A5-06 030106235-0004	N Central area window sill (expansion area)	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Glass 30.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
A5-07 030106235-0005	N Central area window sill adj 5173	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Glass 25.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A5-08 30106235-0006	W side area cubicle 5295	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Glass 23.00% Cellulose	27.00% Non-fibrous (other)	None Detected
A5-09 30106235-0007	W side area cubicle 5292	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Glass 30.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A6-01 30106235-0008	SW corner office 6335	Gray/Brown Fibrous Heterogeneous	Dissolved Teased	20.00% Glass 10.00% Cellulose	45.00% Non-fibrous (other) 25.00% Mica	None Detected
A6-02 30106235-0009	S central carpet floor adj 6328	Gray Fibrous Heterogeneous	Dissolved Teased	38.00% Glass 22.00% Cellulose	40.00% Non-fibrous (other)	None Detected
A6-03 030106235-0010	S central carpet floor adj 6434	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Glass 20.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile

Ram Yallabandi

Analyst



 Laboratory Manager
or other approved signatory

LM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Point Count-1

EMSL**New York Lab**

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 2122900058 Email:

Attn: Emteque Corporation
505 Eighth Avenue
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New York, NY 10018

Fax: (212) 631-8066

Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
A6-04 30106235-0011	SE corner window ledge office 6480	Gray Fibrous Heterogeneous	Dissolved Teased	48.00% Glass 32.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
A6-05 30106235-0012	E side cafeteria carpet floor	Gray Fibrous Heterogeneous	Dissolved Teased	48.00% Glass 22.00% Cellulose	28.00% Non-fibrous (other)	2.00% Chrysotile
A6-06 030106235-0013	N side window sill adj 6147	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 35.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A6-07 30106235-0014	NW corner window sill adj 6244	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 30.00% Cellulose	25.00% Non-fibrous (other)	None Detected
A6-08 030106235-0015	WN side window sill adj 6245	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 35.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A6-09 30106235-0016	Central area reception counter	Beige Fibrous Homogeneous	Crushed Teased	65.00% Cellulose	35.00% Non-fibrous (other)	None Detected
A7-01 30106235-0017	N side assist director office window sill	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 35.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A7-02 30106235-0018	N side bldg services & receiving room	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 30.00% Cellulose	25.00% Non-fibrous (other)	None Detected
A7-03 30106235-0019	NW side mall room window sill	Gray Fibrous Heterogeneous	Dissolved Teased	48.00% Glass 30.00% Cellulose	22.00% Non-fibrous (other)	<1% Chrysotile
A5-01 030106235-0020	SW corner office 5377	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Glass 22.00% Cellulose	18.00% Non-fibrous (other)	<1% Chrysotile

Sam Yallabandi

Analyst

Eric B. B. B.
15 4 1

Laboratory Manager
or other approved signatory

It has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Point Count-1

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 2122900058 Email:

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Fax: (212) 631-8066

Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
A5-02 030106235-0021	SW corner office 5381	Gray Fibrous Heterogeneous	Dissolved Teased		00.00% Non-fibrous (other)	<1% Chrysotile
A9-03 030106235-0022	SE area cubicle 9110	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 40.00% Cellulose	30.00% Non-fibrous (other)	None Detected
A9-04 030106235-0023	SE corner office 9094	White Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 15.00% Cellulose	32.00% Non-fibrous (other)	33.00% Chrysotile
A9-05 030106235-0024	NE window ledge adj 9054	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 30.00% Cellulose	40.00% Non-fibrous (other)	None Detected
A9-06 030106235-0025	N central window ledge adj 9296	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 30.00% Cellulose	40.00% Non-fibrous (other)	None Detected
A9-07 030106235-0026	NE corner adj 9275	Tan Fibrous Heterogeneous	Teased Dissolved	40.00% Min. Wool 10.00% Cellulose	50.00% Non-fibrous (other)	None Detected
A9-08 030106235-0027	N central window sill adj 9318	Gray Fibrous Heterogeneous	Teased Dissolved	20.00% Min. Wool 10.00% Cellulose	70.00% Non-fibrous (other)	None Detected
A9-09 030106235-0028	N central window sill adj 9328	Gray Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 25.00% Cellulose	50.00% Non-fibrous (other)	None Detected
A8-01 030106235-0029	SW corner office 8173	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 35.00% Cellulose	32.20% Non-fibrous (other)	2.80% Chrysotile
A8-02 030106235-0030	SW corner office 8176	Gray Fibrous Heterogeneous	Teased Dissolved	40.00% Min. Wool 20.00% Cellulose	33.00% Non-fibrous (other)	7.00% Chrysotile

Jan Osborne

Analyst

Laboratory Manager
or other approved signatory

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Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Point Count-1

New York Lab

307 West 38th Street, New York, NY 10018

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EMSL

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505 Eighth Avenue
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Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos	
				%	Fibrous	% Non-Fibrous	% Type
A8-03 30106235-0031	S central corridor adj 8108	Gray Fibrous Heterogeneous	Teased Dissolved	40.00%	Min. Wool Cellulose	19.75% Non-fibrous (other)	0.25% Chrysotile
A8-04 30106235-0032	SW side window sill adj 8065	Gray Fibrous Heterogeneous	Teased Dissolved	35.00% 25.00%	Min. Wool Cellulose	39.75% Non-fibrous (other)	0.25% Chrysotile
A8-05 030106235-0033	SE area corner office 8092	Gray Fibrous Heterogeneous	Teased Dissolved	40.00% 30.00%	Min. Wool Cellulose	29.75% Non-fibrous (other)	0.25% Chrysotile
A8-06 30106235-0034	W side window ledge adj 8051	Gray Fibrous Heterogeneous	Teased Dissolved	40.00% 30.00%	Min. Wool Cellulose	30.00% Non-fibrous (other)	None Detected
7 030106235-0035	W central copy room 8191	Gray Fibrous Heterogeneous	Teased Dissolved	40.00% 30.00%	Min. Wool Cellulose	30.00% Non-fibrous (other)	None Detected
A8-08 30106235-0036	NW corner cubicle 8216	Gray Fibrous Heterogeneous	Teased Dissolved	40.00% 30.00%	Min. Wool Cellulose	30.00% Non-fibrous (other)	None Detected
A11-07 30106235-0037	N central cubicle 11332	Gray Fibrous Heterogeneous	Dissolved Teased	43.00% 22.00%	Glass Cellulose	35.00% Non-fibrous (other)	None Detected
A10-01 30106235-0038	SW corner office 10216	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% 20.00%	Min. Wool Cellulose	50.00% Non-fibrous (other)	None Detected
A10-02 30106235-0039	SW corner top copier #10226	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% 20.00%	Min. Wool Cellulose	70.00% Non-fibrous (other)	None Detected
A10-03 030106235-0040	SW corner cubicle #10223	Gray Fibrous Heterogeneous	Teased Dissolved	5.00% 20.00%	Min. Wool Cellulose	75.00% Non-fibrous (other)	None Detected



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Jan Osborne

Analyst

Laboratory Manager
or other approved signatory

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PLM Point Count-1

New York Lab

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Fax: (212) 631-8066

Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
A10-04 30106235-0041	SW area cubicle #10201	White/Gray Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 5.00% Cellulose	66.61% Non-fibrous (other)	3.39% Chrysotile
A10-05 30106235-0042	N central cubicle #10149	Tan Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 15.00% Cellulose	60.00% Non-fibrous (other)	None Detected
A10-06 030106235-0043	SE area cubicle #10122	White/Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Glass 35.00% Cellulose	20.00% Non-fibrous (other)	None Detected
A10-08 30106235-0044	E side window ledge adjacent to #conier	Gray Fibrous Heterogeneous	Teased Dissolved	25.00% Min. Wool 20.00% Cellulose	55.00% Non-fibrous (other)	None Detected
J-10 030106235-0045	N central window ledge #10317	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 40.00% Cellulose	30.00% Non-fibrous (other)	None Detected
A9-01 30106235-0046	SW corner office #9208	Gray Fibrous Heterogeneous	Teased Dissolved	45.00% Min. Wool 15.00% Cellulose	10.00% Non-fibrous (other)	30.00% Chrysotile
A9-02 30106235-0047	S central cubicle #9123	Gray Fibrous Heterogeneous	Teased Dissolved	30.00% Min. Wool 45.00% Cellulose	25.00% Non-fibrous (other)	None Detected
A12-01 30106235-0048	SE corner office #12189 Barbara Ocallo	White/Gray Fibrous Heterogeneous	Dissolved Teased	20.00% Cellulose	80.00% Non-fibrous (other)	None Detected
A12-03 30106235-0049	South East corner office Joanna Aniello	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Glass 25.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
A12-04 030106235-0050	SW area cubicle #12111	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Glass 25.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile

Ram Yallabandi

Analyst

*Eric BlazB*Laboratory Manager
or other approved signatory10 4 1
15 1

It has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none acted should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Point Count-1

5


EMTEQUE

EMTEQUE Corporation
505 Eighth Avenue, Suite 900
New York, New York 10018
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VJW00000 SAMPLE LOG

 Page 4 of 5

 PROJECT #: 010496

 PROJECT SITE: 90 Church Street

 WORK AREA: Floors: 8, 6, 7, 5

 TECHNICIAN: NAE/ET/RH/S

 DATE: October 13, 2001

FOR LABORATORY USE ONLY

 PROJECT MGR.: Neil Feldscher

 TAT: RUSH 2448H

FIELD SAMPLE ID. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
A8-04	N CENTRAL - TECHNOLOGY CENTER	ASBESTOS WIPES DIST.
A8-01	SW CORNER OFFICE #6335	ASBESTOS Bulk
02	S. CENTRAL corridor ^{ASBESTOS Bulk} ADJ. #6328	
03	S CENTRAL corridor ^{ASBESTOS Bulk} ADJ. #6434	
04	SE CORNER WINDOW ledge OFFICE #6480	
05	SE SIDE CATERING CAFE FLOOR	
06	N. SIDE WINDOW SILL ADJ. #6147	
07	NW CORNER WINDOW SILL ADJ. #6244	
08	W. N SIDE WINDOW SILL ADJ. #6245	
09	CENTRAL AREA RECEPTIONS counter.	
A7-01	N SIDE - ASSIST. DIRECTOR OFFICE WINDOW SILL	
A7-02	N SIDE - BLDG. SERVICES & RECEIVING ROOM	
A7-03	NW SIDE MAIL ROOM WINDOW SILL	
A5-01	SW CORNER OFFICE #5377	
A5-02	SW CORNER OFFICE #5381	
RELINQUISHED BY: <u>Ellis</u>	DATE: <u>10/3/01</u> TIME: <u>4:46pm</u>	RECEIVED BY: <u>WJ 13 2001</u> DATE: DATE: TIME: TIME:
RELINQUISHED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:

New York Lab

307 West 38th Street, New York, NY 10018

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EMSL

Attn: Emteque Corporation
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New York, NY 10018

Fax: (212) 631-8086

Phone: 212-631-9000

Project: 010496 90 Church Street

Customer ID: EMT51

Customer PO:

Received: 10/13/01 5:00 PM

EMSL Order: 030106235

EMSL Project ID:

Analysis Date: 10/15/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos % Type
				% Fibrous	% Non-Fibrous	
A12-05 30106235-0051	SW area cubicle #12103	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Glass 30.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
A12-06 30106235-0052	South Central office #12132	Gray Fibrous Heterogeneous	Dissolved Teased	35.00% Glass 25.00% Cellulose	40.00% Non-fibrous (other)	<1% Chrysotile
A11-01 030106235-0053	SE corner office #11201	Gray Fibrous Heterogeneous	Dissolved Teased	40.00% Glass 35.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
11-03 0106235-0054	S central adjacent to #11131	Gray Fibrous Heterogeneous	Dissolved Teased	38.00% Glass 22.00% Cellulose	40.00% Non-fibrous (other)	None Detected
11-04 030106235-0055	SW area cubicle #11123	Gray Fibrous Heterogeneous	Dissolved Teased	40.00% Glass 30.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
11-05 0106235-0056	SW area cubicle #11099	Gray Fibrous Heterogeneous	Dissolved Teased	40.00% Glass 35.00% Cellulose	25.00% Non-fibrous (other)	None Detected

56
Eric B. B.

Sam Yallabandi

Analyst

Laboratory Manager
or other approved signatory

It has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.
Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Print Count-1

PSC Analytical Services

Date: 22-Oct-01

CLIENT:	EMTEQUE	Lab Order:	R01100189
Project:	90 CHURCH STREET		

Lab ID:	R01100189-11	Collection Date:	10/13/01
Client Sample ID:	M8-01	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B				Analyst: AJB
Antimony	0.734	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Arsenic	0.950	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Beryllium	0.999	0.0495		mg/Kg	1	10/18/01 3:48:00 AM
Cadmium	0.556	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Chromium	23.0	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Copper	38.6	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Lead	13.9	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Nickel	13.4	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Selenium	BRL	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Silver	BRL	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Thallium	BRL	0.495		mg/Kg	1	10/18/01 3:48:00 AM
Zinc	236	0.990		mg/Kg	1	10/18/01 3:48:00 AM

Lab ID:	R01100189-12	Collection Date:	10/13/01
Client Sample ID:	M8-02	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B				Analyst: AJB
Antimony	30.7	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Arsenic	2.68	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Beryllium	0.951	0.0735		mg/Kg	1	10/18/01 3:52:00 AM
Cadmium	5.72	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Chromium	72.9	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Copper	323	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Lead	126	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Nickel	22.5	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Selenium	BRL	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Silver	3.17	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Thallium	BRL	0.735		mg/Kg	1	10/18/01 3:52:00 AM
Zinc	2790	1.47		mg/Kg	1	10/18/01 3:52:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE		Lab Order: R01100189		
Project: 90 CHURCH STREET				
Lab ID: R01100189-13		Collection Date: 10/13/01		
Client Sample ID: M6-01		Matrix: SOLID		
Analyses	Result	Limit Qual Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB
Antimony	13.1	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Arsenic	2.45	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Beryllium	0.793	0.0495	mg/Kg	1 10/18/01 3:55:00 AM
Cadmium	1.63	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Chromium	39.6	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Copper	8480	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Lead	328	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Nickel	18.9	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Selenium	BRL	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Silver	0.980	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Thallium	BRL	0.495	mg/Kg	1 10/18/01 3:55:00 AM
Zinc	678	0.990	mg/Kg	1 10/18/01 3:55:00 AM

Lab ID: R01100189-14		Collection Date: 10/13/01	
Client Sample ID: M7-02		Matrix: SOLID	
Analyses	Result	Limit Qual Units	DF Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B	Analyst: AJB
Antimony	9.68	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Arsenic	2.25	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Beryllium	1.29	0.0495 mg/Kg	1 10/18/01 4:07:00 AM
Cadmium	3.99	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Chromium	52.9	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Copper	228	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Lead	147	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Nickel	14.9	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Selenium	BRL	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Silver	0.874	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Thallium,	BRL	0.495 mg/Kg	1 10/18/01 4:07:00 AM
Zinc	1760	0.990 mg/Kg	1 10/18/01 4:07:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-15
Client Sample ID: M7-03

Collection Date: 10/13/01
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	6.33	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Arsenic	2.04	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Beryllium	1.08	0.0490		mg/Kg	1	10/18/01 4:10:00 AM
Cadmium	2.67	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Chromium	57.2	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Copper	172	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Lead	101	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Nickel	14.0	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Selenium	BRL	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Silver	BRL	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Thallium	BRL	0.490		mg/Kg	1	10/18/01 4:10:00 AM
Zinc	1180	0.980		mg/Kg	1	10/18/01 4:10:00 AM

Lab ID: R01100189-16
Client Sample ID: M7-04

Collection Date: 10/13/01
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	7.00	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Arsenic	3.26	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Beryllium	1.05	0.0581		mg/Kg	1	10/18/01 4:13:00 AM
Cadmium	5.46	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Chromium	52.3	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Copper	295	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Lead	784	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Nickel	19.2	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Selenium	BRL	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Silver	0.880	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Thallium	BRL	0.581		mg/Kg	1	10/18/01 4:13:00 AM
Zinc	3090	1.16		mg/Kg	1	10/18/01 4:13:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-17

Collection Date: 10/13/01

Client Sample ID: M5-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	14.0	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Arsenic	2.11	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Beryllium	0.835	0.0495		mg/Kg	1	10/18/01 4:16:00 AM
Cadmium	2.58	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Chromium	49.4	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Copper	231	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Lead	105	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Nickel	13.4	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Selenium	BRL	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Silver	1.20	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Thallium	BRL	0.495		mg/Kg	1	10/18/01 4:16:00 AM
Zinc	1160	0.990		mg/Kg	1	10/18/01 4:16:00 AM

Lab ID: R01100189-18

Collection Date: 10/13/01

Client Sample ID: M12-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	1.58	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Arsenic	3.50	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Beryllium	0.0460	0.0020		µg, Total	1	10/18/01 1:54:00 AM
Cadmium	0.472	0.0040		µg, Total	1	10/18/01 1:54:00 AM
Chromium	3.60	0.0040		µg, Total	1	10/18/01 1:54:00 AM
Copper	16.8	0.0040		µg, Total	1	10/18/01 1:54:00 AM
Lead	19.5	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Nickel	6.09	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Selenium	0.940	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Silver	0.168	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 1:54:00 AM
Zinc	217	0.0100		µg, Total	1	10/18/01 1:54:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-19
Client Sample ID: M12-04

Collection Date: 10/13/01
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	5.08	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Arsenic	1.01	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Beryllium	0.0080	0.0020		µg, Total	1	10/18/01 2:06:00 AM
Cadmium	0.654	0.0040		µg, Total	1	10/18/01 2:06:00 AM
Chromium	3.44	0.0040		µg, Total	1	10/18/01 2:06:00 AM
Copper	23.3	0.0040		µg, Total	1	10/18/01 2:06:00 AM
Lead	20.3	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Nickel	1.00	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Selenium	1.26	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Silver	0.121	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:06:00 AM
Zinc	129	0.0100		µg, Total	1	10/18/01 2:06:00 AM

Lab ID: R01100189-20
Client Sample ID: M11-04

Collection Date: 10/13/01
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	2.92	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Arsenic	0.664	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Beryllium	0.0160	0.0020		µg, Total	1	10/18/01 2:09:00 AM
Cadmium	0.576	0.0040		µg, Total	1	10/18/01 2:09:00 AM
Chromium	2.36	0.0040		µg, Total	1	10/18/01 2:09:00 AM
Copper	17.5	0.0040		µg, Total	1	10/18/01 2:09:00 AM
Lead	17.0	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Nickel	1.00	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Selenium	0.822	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Silver	0.315	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:09:00 AM
Zinc	147	0.0100		µg, Total	1	10/18/01 2:09:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE		Lab Order: R01100189	
Project: 90 CHURCH STREET			
Lab ID:	R01100189-21	Collection Date: 10/13/01	
Client Sample ID:	M10-03	Matrix: WIPE	
Analyses	Result	Limit Qual Units	DF Date Analyzed
NIOSH 7300		N7300	Analyst: AJB
Antimony	6.29	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Arsenic	0.987	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Beryllium	0.0220	0.0020 µg, Total	1 10/18/01 2:12:00 AM
Cadmium	0.782	0.0040 µg, Total	1 10/18/01 2:12:00 AM
Chromium	3.10	0.0040 µg, Total	1 10/18/01 2:12:00 AM
Copper	20.8	0.0040 µg, Total	1 10/18/01 2:12:00 AM
Lead	20.7	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Nickel	0.964	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Selenium	1.32	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Silver	0.116	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Thallium	BRL	0.0100 µg, Total	1 10/18/01 2:12:00 AM
Zinc	135	0.0100 µg, Total	1 10/18/01 2:12:00 AM

Lab ID:	R01100189-22	Collection Date: 10/13/01	
Client Sample ID:	M10-04	Matrix: WIPE	
Analyses	Result	Limit Qual Units	DF Date Analyzed
NIOSH 7300		N7300	Analyst: AJB
Antimony	2.12	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Arsenic	0.598	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Beryllium	0.0435	0.0020 µg, Total	1 10/18/01 2:15:00 AM
Cadmium	0.505	0.0040 µg, Total	1 10/18/01 2:15:00 AM
Chromium	3.26	0.0040 µg, Total	1 10/18/01 2:15:00 AM
Copper	13.3	0.0040 µg, Total	1 10/18/01 2:15:00 AM
Lead	13.7	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Nickel	0.609	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Selenium	0.734	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Silver	0.0850	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Thallium	BRL	0.0100 µg, Total	1 10/18/01 2:15:00 AM
Zinc	127	0.0100 µg, Total	1 10/18/01 2:15:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-23

Collection Date: 10/13/01

Client Sample ID: M9-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300				Analyst: AJB
Antimony	9.46	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Arsenic	1.62	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Beryllium	0.252	0.0020		µg, Total	1	10/18/01 2:19:00 AM
Cadmium	1.78	0.0040		µg, Total	1	10/18/01 2:19:00 AM
Chromium	14.4	0.0040		µg, Total	1	10/18/01 2:19:00 AM
Copper	72.1	0.0040		µg, Total	1	10/18/01 2:19:00 AM
Lead	51.2	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Nickel	3.77	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Selenium	1.38	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Silver	0.302	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:19:00 AM
Zinc	408	0.0100		µg, Total	1	10/18/01 2:19:00 AM

Lab ID: R01100189-24

Collection Date: 10/13/01

Client Sample ID: M8-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300				Analyst: AJB
Antimony	9.91	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Arsenic	1.60	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Beryllium	0.195	0.0020		µg, Total	1	10/18/01 2:22:00 AM
Cadmium	2.08	0.0040		µg, Total	1	10/18/01 2:22:00 AM
Chromium	14.0	0.0040		µg, Total	1	10/18/01 2:22:00 AM
Copper	148	0.0040		µg, Total	1	10/18/01 2:22:00 AM
Lead	70.3	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Nickel	4.43	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Selenium	0.864	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Silver	0.476	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:22:00 AM
Zinc	541	0.0100		µg, Total	1	10/18/01 2:22:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-25

Collection Date: 10/13/01

Client Sample ID: M8-04

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300				Analyst: AJB
Antimony	1.06	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Arsenic	0.998	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Beryllium	BRL	0.0020		µg, Total	1	10/18/01 2:25:00 AM
Cadmium	0.320	0.0040		µg, Total	1	10/18/01 2:25:00 AM
Chromium	0.725	0.0040		µg, Total	1	10/18/01 2:25:00 AM
Copper	8.77	0.0040		µg, Total	1	10/18/01 2:25:00 AM
Lead	6.80	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Nickel	1.56	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Selenium	1.45	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Silver	0.116	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:25:00 AM
Zinc	39.2	0.0100		µg, Total	1	10/18/01 2:25:00 AM

Lab ID: R01100189-26

Collection Date: 10/13/01

Client Sample ID: M8-05

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300				Analyst: AJB
Antimony	6.81	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Arsenic	1.48	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Beryllium	0.140	0.0020		µg, Total	1	10/18/01 2:28:00 AM
Cadmium	0.982	0.0040		µg, Total	1	10/18/01 2:28:00 AM
Chromium	8.41	0.0040		µg, Total	1	10/18/01 2:28:00 AM
Copper	31.5	0.0040		µg, Total	1	10/18/01 2:28:00 AM
Lead	30.0	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Nickel	2.16	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Selenium	1.57	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Silver	0.170	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:28:00 AM
Zinc	223	0.0100		µg, Total	1	10/18/01 2:28:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-27

Collection Date: 10/13/01

Client Sample ID: M6-02

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: AJB
NIOSH 7300	N7300					
Antimony	14.9	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Arsenic	1.01	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Beryllium	0.0030	0.0020		µg, Total	1	10/18/01 2:31:00 AM
Cadmium	0.664	0.0040		µg, Total	1	10/18/01 2:31:00 AM
Chromium	3.92	0.0040		µg, Total	1	10/18/01 2:31:00 AM
Copper	30.3	0.0040		µg, Total	1	10/18/01 2:31:00 AM
Lead	27.9	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Nickel	1.28	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Selenium	1.21	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Silver	0.168	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:31:00 AM
Zinc	220	0.0100		µg, Total	1	10/18/01 2:31:00 AM

Lab ID: R01100189-28

Collection Date: 10/13/01

Client Sample ID: M6-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: AJB
NIOSH 7300	N7300					
Antimony	18.4	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Arsenic	1.35	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Beryllium	0.0545	0.0020		µg, Total	1	10/18/01 2:35:00 AM
Cadmium	1.02	0.0040		µg, Total	1	10/18/01 2:35:00 AM
Chromium	5.22	0.0040		µg, Total	1	10/18/01 2:35:00 AM
Copper	39.2	0.0040		µg, Total	1	10/18/01 2:35:00 AM
Lead	29.2	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Nickel	1.38	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Selenium	1.54	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Silver	0.281	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:35:00 AM
Zinc	238	0.0100		µg, Total	1	10/18/01 2:35:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-29

Collection Date: 10/13/01

Client Sample ID: M6-04

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	3.34	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Arsenic	1.12	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Beryllium	0.0310	0.0020		µg, Total	1	10/18/01 2:46:00 AM
Cadmium	0.492	0.0040		µg, Total	1	10/18/01 2:46:00 AM
Chromium	3.81	0.0040		µg, Total	1	10/18/01 2:46:00 AM
Copper	25.3	0.0040		µg, Total	1	10/18/01 2:46:00 AM
Lead	17.8	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Nickel	3.05	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Selenium	1.51	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Silver	0.246	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:46:00 AM
Zinc	121	0.0100		µg, Total	1	10/18/01 2:46:00 AM

Lab ID: R01100189-30

Collection Date: 10/13/01

Client Sample ID: M7-01

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	5.49	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Arsenic	1.30	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Beryllium	0.327	0.0020		µg, Total	1	10/18/01 2:49:00 AM
Cadmium	1.45	0.0040		µg, Total	1	10/18/01 2:49:00 AM
Chromium	14.4	0.0040		µg, Total	1	10/18/01 2:49:00 AM
Copper	64.7	0.0040		µg, Total	1	10/18/01 2:49:00 AM
Lead	54.2	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Nickel	4.14	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Selenium	0.965	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Silver	0.169	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:49:00 AM
Zinc	820	0.0100		µg, Total	1	10/18/01 2:49:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-31

Collection Date: 10/13/01

Client Sample ID: M5-02

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	5.41	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Arsenic	0.820	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Beryllium	0.0955	0.0020		µg, Total	1	10/18/01 2:52:00 AM
Cadmium	0.686	0.0040		µg, Total	1	10/18/01 2:52:00 AM
Chromium	6.25	0.0040		µg, Total	1	10/18/01 2:52:00 AM
Copper	29.1	0.0040		µg, Total	1	10/18/01 2:52:00 AM
Lead	20.1	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Nickel	1.56	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Selenium	0.752	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Silver	0.183	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:52:00 AM
Zinc	176	0.0100		µg, Total	1	10/18/01 2:52:00 AM

Lab ID: R01100189-32

Collection Date: 10/13/01

Client Sample ID: M5-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	10.9	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Arsenic	1.23	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Beryllium	0.0945	0.0020		µg, Total	1	10/18/01 2:55:00 AM
Cadmium	1.22	0.0040		µg, Total	1	10/18/01 2:55:00 AM
Chromium	10.2	0.0040		µg, Total	1	10/18/01 2:55:00 AM
Copper	83.2	0.0040		µg, Total	1	10/18/01 2:55:00 AM
Lead	60.2	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Nickel	3.59	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Selenium	0.828	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Silver	0.450	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:55:00 AM
Zinc	499	0.0100		µg, Total	1	10/18/01 2:55:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET
Lab Order: R01100189

Lab ID: R01100189-33
Collection Date: 10/13/01
Client Sample ID: M5-04
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NIOSH 7300		N7300		Analyst: AJB		
Antimony	3.28	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Arsenic	0.514	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Beryllium	0.0100	0.0020		µg, Total	1	10/18/01 2:58:00 AM
Cadmium	0.452	0.0040		µg, Total	1	10/18/01 2:58:00 AM
Chromium	1.21	0.0040		µg, Total	1	10/18/01 2:58:00 AM
Copper	11.6	0.0040		µg, Total	1	10/18/01 2:58:00 AM
Lead	19.8	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Nickel	0.104	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Selenium	0.738	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Silver	0.0795	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Thallium	BRL	0.0100		µg, Total	1	10/18/01 2:58:00 AM
Zinc	118	0.0100		µg, Total	1	10/18/01 2:58:00 AM

Lab ID: R01100189-34
Collection Date: 10/13/01
Client Sample ID: PNA12-01
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Acenaphthylene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Anthracene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Benzo(a)anthracene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Benzo(a)pyrene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Benzo(b)fluoranthene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Benzo(g,h,i)perylene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Benzo(k)fluoranthene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Chrysene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Dibenzo(a,h)anthracene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Fluoranthene	1700	580		µg/Kg	5	10/18/01 1:46:00 AM
Fluorene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Indeno(1,2,3-cd)pyrene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Naphthalene	BRL	580		µg/Kg	5	10/18/01 1:46:00 AM
Phenanthrene	1400	580		µg/Kg	5	10/18/01 1:46:00 AM
Pyrene	1100	580		µg/Kg	5	10/18/01 1:46:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-35

Collection Date: 10/13/01

Client Sample ID: PNA11-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Acenaphthylene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Anthracene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Benzo(a)anthracene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Benzo(a)pyrene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Benzo(b)fluoranthene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Benzo(g,h,i)perylene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Benzo(k)fluoranthene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Chrysene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Dibenzo(a,h)anthracene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Fluoranthene	1800	850		µg/Kg	5	10/18/01 2:05:00 AM
Fluorene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Indeno(1,2,3-cd)pyrene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Naphthalene	BRL	850		µg/Kg	5	10/18/01 2:05:00 AM
Phenanthrene	1500	850		µg/Kg	5	10/18/01 2:05:00 AM
Pyrene	1300	850		µg/Kg	5	10/18/01 2:05:00 AM

Lab ID: R01100189-36

Collection Date: 10/13/01

Client Sample ID: PNA10-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Acenaphthylene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Anthracene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Benzo(a)anthracene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Benzo(a)pyrene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Benzo(b)fluoranthene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Benzo(g,h,i)perylene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Benzo(k)fluoranthene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Chrysene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Dibenzo(a,h)anthracene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Fluoranthene	1800	1800		µg/Kg	10	10/18/01 2:24:00 AM
Fluorene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Indeno(1,2,3-cd)pyrene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Naphthalene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM
Phenanthrene	2000	1800		µg/Kg	10	10/18/01 2:24:00 AM
Pyrene	BRL	1800		µg/Kg	10	10/18/01 2:24:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE		Lab Order: R01100189		
Project: 90 CHURCH STREET				
Lab ID: R01100189-37		Collection Date: 10/13/01		
Client Sample ID: PNA9-01		Matrix: SOLID		
Analyses	Result	Limit Qual Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ
Acenaphthene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Acenaphthylene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Anthracene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Benzo(a)anthracene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Benzo(a)pyrene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Benzo(b)fluoranthene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Benzo(g,h,i)perylene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Benzo(k)fluoranthene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Chrysene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Dibenzo(a,h)anthracene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Fluoranthene	1200	920 µg/Kg	10	10/18/01 2:43:00 AM
Fluorene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Indeno(1,2,3-cd)pyrene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Naphthalene	BRL	920 µg/Kg	10	10/18/01 2:43:00 AM
Phenanthrene	1400	920 µg/Kg	10	10/18/01 2:43:00 AM
Pyrene	930	920 µg/Kg	10	10/18/01 2:43:00 AM

Lab ID: R01100189-38		Collection Date: 10/13/01			
Client Sample ID: PNA8-01		Matrix: SOLID			
Analyses	Result	Limit	Qual Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ	
Acenaphthene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Acenaphthylene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Anthracene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Benzo(a)anthracene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Benzo(a)pyrene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Benzo(b)fluoranthene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Benzo(g,h,i)perylene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Benzo(k)fluoranthene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Chrysene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Dibenzo(a,h)anthracene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Fluoranthene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Fluorene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Indeno(1,2,3-cd)pyrene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Naphthalene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Phenanthrene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM
Pyrene	BRL	1900	µg/Kg	20	10/18/01 3:01:00 AM

Qualifiers:
 BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-39

Collection Date: 10/13/01

Client Sample ID: PNA6-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Acenaphthylene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Anthracene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Benzo(a)anthracene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Benzo(a)pyrene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Benzo(b)fluoranthene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Benzo(g,h,i)perylene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Benzo(k)fluoranthene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Chrysene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Dibenzo(a,h)anthracene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Fluoranthene	1100	670		µg/Kg	10	10/18/01 3:20:00 AM
Fluorene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Indeno(1,2,3-cd)pyrene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Naphthalene	BRL	670		µg/Kg	10	10/18/01 3:20:00 AM
Phenanthrene	1600	670		µg/Kg	10	10/18/01 3:20:00 AM
Pyrene	870	670		µg/Kg	10	10/18/01 3:20:00 AM

Lab ID: R01100189-40

Collection Date: 10/13/01

Client Sample ID: PNA7-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Acenaphthylene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Anthracene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Benzo(a)anthracene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Benzo(a)pyrene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Benzo(b)fluoranthene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Benzo(g,h,i)perylene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Benzo(k)fluoranthene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Chrysene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Dibenzo(a,h)anthracene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Fluoranthene	5500	2100		µg/Kg	10	10/18/01 3:39:00 AM
Fluorene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Indeno(1,2,3-cd)pyrene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Naphthalene	BRL	2100		µg/Kg	10	10/18/01 3:39:00 AM
Phenanthrene	5400	2100		µg/Kg	10	10/18/01 3:39:00 AM
Pyrene	4800	2100		µg/Kg	10	10/18/01 3:39:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-41

Collection Date: 10/13/01

Client Sample ID: PNA5-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Acenaphthylene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Anthracene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Benzo(a)anthracene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Benzo(a)pyrene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Benzo(b)fluoranthene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Benzo(g,h,i)perylene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Benzo(k)fluoranthene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Chrysene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Dibenzo(a,h)anthracene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Fluoranthene	1400	670		µg/Kg	5	10/18/01 3:58:00 AM
Fluorene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Indeno(1,2,3-cd)pyrene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Naphthalene	BRL	670		µg/Kg	5	10/18/01 3:58:00 AM
Phenanthrene	1400	670		µg/Kg	5	10/18/01 3:58:00 AM
Pyrene	1200	670		µg/Kg	5	10/18/01 3:58:00 AM

Lab ID: R01100189-42

Collection Date: 10/13/01

Client Sample ID: PNA5-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Acenaphthylene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Anthracene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Benzo(a)anthracene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Benzo(a)pyrene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Benzo(b)fluoranthene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Benzo(g,h,i)perylene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Benzo(k)fluoranthene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Chrysene	700	580		µg/Kg	5	10/18/01 4:17:00 AM
Dibenzo(a,h)anthracene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Fluoranthene	2500	580		µg/Kg	5	10/18/01 4:17:00 AM
Fluorene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Indeno(1,2,3-cd)pyrene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Naphthalene	BRL	580		µg/Kg	5	10/18/01 4:17:00 AM
Phenanthrene	2500	580		µg/Kg	5	10/18/01 4:17:00 AM
Pyrene	2000	580		µg/Kg	5	10/18/01 4:17:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-43

Collection Date: 10/13/01

Client Sample ID: PNA5-03

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Acenaphthylene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Anthracene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Benzo(a)anthracene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Benzo(a)pyrene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Benzo(b)fluoranthene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Benzo(g,h,i)perylene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Benzo(k)fluoranthene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Chrysene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Dibenzo(a,h)anthracene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Fluoranthene	1500	1200		µg/Kg	5	10/18/01 4:36:00 AM
Fluorene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Indeno(1,2,3-cd)pyrene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Naphthalene	BRL	1200		µg/Kg	5	10/18/01 4:36:00 AM
Phenanthrene	1600	1200		µg/Kg	5	10/18/01 4:36:00 AM
Pyrene	1300	1200		µg/Kg	5	10/18/01 4:36:00 AM

Lab ID: R01100189-44

Collection Date: 10/13/01

Client Sample ID: PNA6-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Acenaphthylene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Anthracene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Benzo(a)anthracene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Benzo(a)pyrene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Benzo(b)fluoranthene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Benzo(g,h,i)perylene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Benzo(k)fluoranthene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Chrysene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Dibenzo(a,h)anthracene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Fluoranthene	3700	1300		µg/Kg	10	10/18/01 4:55:00 AM
Fluorene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Indeno(1,2,3-cd)pyrene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Naphthalene	BRL	1300		µg/Kg	10	10/18/01 4:55:00 AM
Phenanthrene	3200	1300		µg/Kg	10	10/18/01 4:55:00 AM
Pyrene	2700	1300		µg/Kg	10	10/18/01 4:55:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-45

Collection Date: 10/13/01

Client Sample ID: PNA8-02

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/17/01 8:49:00 PM

Lab ID: R01100189-46

Collection Date: 10/13/01

Client Sample ID: PNA6-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8270C, POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/17/01 9:08:00 PM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE **Lab Order:** R01100189
Project: 90 CHURCH STREET

Lab ID: R01100189-47 **Collection Date:** 10/13/01
Client Sample ID: PCB-12-01 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1221	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1232	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1242	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1248	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1254	270	89		µg/Kg	1	10/16/01 9:54:00 AM
Aroclor 1260	BRL	89		µg/Kg	1	10/16/01 9:54:00 AM

Lab ID: R01100189-48 **Collection Date:** 10/13/01
Client Sample ID: PCB-11-01 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1221	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1232	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1242	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1248	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1254	550	140		µg/Kg	1	10/16/01 10:24:00 AM
Aroclor 1260	BRL	140		µg/Kg	1	10/16/01 10:24:00 AM

Lab ID: R01100189-49 **Collection Date:** 10/13/01
Client Sample ID: PCB-10-01 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1221	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1232	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1242	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1248	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1254	1400	180		µg/Kg	1	10/16/01 10:53:00 AM
Aroclor 1260	BRL	180		µg/Kg	1	10/16/01 10:53:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-50

Collection Date: 10/13/01

Client Sample ID: PCB-9-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1221	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1232	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1242	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1248	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1254	130	33		µg/Kg	1	10/16/01 11:22:00 AM
Aroclor 1260	BRL	33		µg/Kg	1	10/16/01 11:22:00 AM

Lab ID: R01100189-51

Collection Date: 10/13/01

Client Sample ID: PCB-8-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1221	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1232	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1242	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1248	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1254	290	35		µg/Kg	1	10/16/01 11:52:00 AM
Aroclor 1260	BRL	35		µg/Kg	1	10/16/01 11:52:00 AM

Lab ID: R01100189-52

Collection Date: 10/13/01

Client Sample ID: PCB-6-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1221	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1232	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1242	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1248	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1254	62	33		µg/Kg	1	10/17/01 12:21:00 PM
Aroclor 1260	BRL	33		µg/Kg	1	10/17/01 12:21:00 PM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-53

Collection Date: 10/13/01

Client Sample ID: PCB-7-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B				Analyst: GIF
Aroclor 1016	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1221	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1232	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1242	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1248	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1254	540	99		µg/Kg	1	10/17/01 12:51:00 PM
Aroclor 1260	BRL	99		µg/Kg	1	10/17/01 12:51:00 PM

Lab ID: R01100189-54

Collection Date: 10/13/01

Client Sample ID: PCB-5-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B				Analyst: GIF
Aroclor 1016	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1221	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1232	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1242	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1248	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1254	150	33		µg/Kg	1	10/17/01 1:20:00 AM
Aroclor 1260	BRL	33		µg/Kg	1	10/17/01 1:20:00 AM

Lab ID: R01100189-55

Collection Date: 10/13/01

Client Sample ID: PCB-5-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B				Analyst: GIF
Aroclor 1016	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1221	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1232	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1242	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1248	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1254	360	82		µg/Kg	1	10/17/01 1:49:00 AM
Aroclor 1260	BRL	82		µg/Kg	1	10/17/01 1:49:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-56

Collection Date: 10/13/01

Client Sample ID: PCB-5-03

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1221	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1232	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1242	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1248	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1254	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM
Aroclor 1260	BRL	82		µg/Kg	1	10/17/01 2:19:00 AM

Lab ID: R01100189-57

Collection Date: 10/13/01

Client Sample ID: PCB-6-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1221	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1232	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1242	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1248	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1254	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM
Aroclor 1260	BRL	69		µg/Kg	1	10/17/01 2:48:00 AM

Lab ID: R01100189-58

Collection Date: 10/13/01

Client Sample ID: PCB-8-02

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/16/01 7:27:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-59

Collection Date: 10/13/01

Client Sample ID: PCB-6-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
8082, POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/16/01 7:57:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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SAMPLE LOG

Page 1 of 3



PROJECT #: 010496 PROJECT SITE: 90 Church Street WORK AREA: Floors: 12, 11, 10, 9

ECHNICIAN: NAF/ET/RH/JS DATE: October 13, 2001

PROJECT MGR.: Neil Feldscher TAT: RUSH

FOR LABORATORY USE ONLY
R01100189 (p-1/5)

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
112-01	SE CORNER OFFICE # 12193: DAKKA ANVILLO	METALS
-02	SE CORNER CURBICLE # 12107:	
-03	N CENTRAL CURBICLE # 12292	
-04	E. CENTRAL CURBICLE # 12075	
111-01	SE CORNER OFFICE # 11201	
02	S. CENTRAL ADJACENT # 11131	
03	SE CURBICLE # 11110	
04	NE CURBICLE # 11049	
110-01	SW CORNER OFFICE # 10210	
02	SCANNING ROOM # 10157	
03	S.E. CORNER CURBICLE # 10096	
04	N CENTRAL CURBICLE # 10331	
109-01	SW CORNER OFFICE # 9208	
-02	S CENTRAL CURBICLE # 9122	
-03	E SIDE CENTRAL CURBICLE # 9070	

RELINQUISHED BY: Ray Hernandez	DATE: 10.13.01	TIME: 4:41 pm	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY: Lace For	DATE: 10/15	TIME: 9:30

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SAMPLE LOG

Page

of

2



PROJECT #:

010496

PROJECT SITE:

90 Church Street

WORK AREA:

Floors: 9, 8, 6, 7, 5

TECHNICIAN:

NAF/ET/RH/JS

DATE: October 13, 2001

FOR LABORATORY USE ONLY

Ro1100189

(P-2/5)

PROJECT MGR.:

Neil Feldscher

TAT: RUSH

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
179-04	N CENTRAL CURBICLE #9314	METALS
178-01	SW CORNER OFFICE #8173	
02	NW AREA CURBICLE #8197	
03	SW CENTRAL CURBICLE #8147	
04	N CENTRAL AREA TECHNOLOGY CENTER ADJ. PDU #3	
18-05	E. SIDE CURBICLE #8054	
16-01	SW CORNER OFFICE #6330	
02	SW CORNER CURBICLE #6260	
03	S. CENTRAL AREA CURBICLE #6382	
04	E. CENTRAL CAPTERIA	
17-01	N. SIDE ASSIST. DIRECTOR OFFICE WINDOW SILL	
02	N. SIDE PLAIN SERVICES 1/2 RECEPTION ROOM FLOOR	
03	N.W. SIDE MAIL ROOM	
04	N.W. SIDE COPY ROOM	
15-01	SW CORNER AREA ADJ. #5376	
RELINQUISHED BY:	DATE: 10.13.01 TIME: 4:41 PM	RECEIVED BY:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:

Ray Henderson

RECEIVED BY: P-2/5

DATE: 10/15

TIME: 9:30

SAMPLE LOG

EMTEQUE Corporation
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[illegible]

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SAMPLE LOG

Page 1 of 1

WORK AREA: Floors 12, 11, 10, 9, 8

PROJECT SITE: 90 Church Street

PROJECT #:

PROJECT MGR.:

DATE: October 13, 2001

NAF/ET/RHJS

TECHNICIAN:

Print
Neil Feldscher

PROJECT MGR.:

TAT: RUSH

FOR LABORATORY USE ONLY

R01100189

P-415

ANALYTICAL METHOD/ COMMENTS

SAMPLE DESCRIPTION
LOCATION/ACTIVITY

FIELD SAMPLE
I.D. No.

PNA

NA 12-01 SE CORNER OFFICE #12193

NA 11-01 SE CORNER OFFICE #11201

NA 10-01 SW CORNER OFFICE #10216

NA 9-01 SW CORNER OFFICE #9208

NA 8-01 SW CORNER OFFICE #8173

NA 8-02 SW AREA CURBICLE #8170

NA 6-01 SW CORNER CURBICLE #6330

NA 7-01 N. SIDE BUILD SERVICES 3 RECEIVING ROOM AND HED #3 (#7002) PNA

NA 5-01 SW CORNER OFFICE #5377

NA 5-02 S.W. AREA OFFICE ADJ. #5379

NA 5-03 SW AREA CURBICLE ADJ #5351

NA 6-02 SW AREA CURBICLE #6326

NA 6-03 N CENTRAL SIDE AREA

ELINQUISHED BY:

Ray Hernandez

DATE: 10.13.01

TIME: 4:42pm

RECEIVED BY:

DATE:

TIME:

ELINQUISHED BY:

Paul E. [Signature]

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

ELINQUISHED BY:

[Signature]

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

20/11/01 13:5

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SAMPLE LOG

Page 1 of 1

PROJECT #:

010496

PROJECT SITE:

90 Church Street

WORK AREA: Floors 12, 11, 10, 9, 8, 6

TECHNICIAN:

NAR/ETRH/S

DATE: October 13, 2001

FOR LABORATORY USE ONLY

R01100189

P.515

PROJECT MGR.:

Neil Feldscher

TAT: RUSH

FIELD SAMPLE
I.D. No.

SAMPLE DESCRIPTION
LOCATION/ACTIVITY

ANALYTICAL METHOD/COMMENTS

PCB

SE CORNER OFFICE #12193; JERARNA ANIELLO

SE CORNER OFFICE #11201

SW CORNER OFFICE #10216

SW CORNER OFFICE #9208

SW CORNER OFFICE #8173

SW ANTA CUBICLE #8170

SW CORNER CUBICLE #6330

N. SIDE BLOB SERVICES & RECEIVING ROOM

SW CORNER OFFICE #5377

SW ANTA ADJ Room #5379

SW ANTA CUBICLE #5351

SW ANTA CUBICLE #6326

W SIDE CENTRAL

RELINQUISHED BY:

Ruby Hernandez No.

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

RELINQUISHED BY:

Feld

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

RELINQUISHED BY:

De

DATE:

TIME:

RECEIVED BY:

DATE:

TIME:

10/15

930



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U20106022 SAMPLE LOG

Page 1 of 5

PROJECT #:

010496

PROJECT SITE:

90 Church Street

WORK AREA: Floor # 12, 11

TECHNICIAN:

NAME/ETH/HS

Print

DATE: October 13, 2001

PROJECT MGR:

Neil Feldscher

TAT: RUSH

24484

FOR LABORATORY USE ONLY

FIELD SAMPLE ID, No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
A12-01	SE CORNER OFFICE #12189: BUREAU DESK	ASBESTOS Bulk
A12-02	SE CORNER OFFICE #12192: TRAINING ROOMS	
A12-03	SOUTH EAST CORNER OFFICE: JOANNA ANIELLO #12193	
A12-04	SW EAST CURBLES #12111	
A12-05	SW EAST CURBLES #12103	
A12-06	SOUTH CENTRAL OFFICE #12132	
A12-07	N CENTRAL CURBLES #12292	
A12-08	E CENTRAL CURBLES #12075	WIPE DUST
A12-09	E CENTRAL CURBLES #12079	WIPE DUST
A11-01	SE CORNER OFFICE #11201	ASBESTOS Bulk
A11-02	SE CORNER CURBLES #11188	WIPE DUST
-03	S CENTRAL CORNER TO #11131	ASBESTOS Bulk
-04	SW CORNER CURBLES #11123	
-05	SW AREA CURBLES #11099	
-06	SE AREA CURBLES #11055	
RELINQUISHED BY: <i>UC</i>	DATE: 10/3/01	TIME: 4:40pm
RECEIVED BY: <i>UC</i>	DATE: 10/13/2001	TIME: 1:30pm
RELINQUISHED BY:	DATE:	TIME:
RECEIVED BY: <i>UC</i>	DATE: 10/13/2001	TIME: 1:30pm



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0301004227 SAMPLE LOG

PROJECT #:

010496

PROJECT SITE:

90 Church Street

WORK AREA:

Floors: 11, 10, 9

TECHNICIAN:

NAF/ET/RH/JS

DATE: October 13, 2001

PROJECT MGR.:

Neil Feldscher

TAT: RUSH 2448H

FOR LABORATORY USE ONLY

FIELD SAMPLE ID No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/COMMENTS
A11-07	N CENTRAL CUBICLE # 11332	ASBESTO BULK
A11-08	N CENTRAL ADJACENT # 11320	WIBES DUST
A11-09	NW INSIDE OFFICE # 11280	WIBES DUST
A10-01	SW CORNER OFFICE # 10210	ASBESTOS BULK
02	SW CORNER TOP CORNER # 10220	
03	SW CORNER CUBICLE # 10223	
04	SW AREA CUBICLE # 10201	
05	N. CENTRAL CUBICLE # 10149	
06	SW AREA CUBICLE # 10122	
07	SE CORNER CUBICLE # 10092	
08	E SIDE WINDOW ADJACENT ADJACENT TO # 10092	WIFE DUST
09	N.E. AREA CORNER WINDOW SILL # 10037	ASBESTOS BULK
10	N CENTRAL WINDOW LEDGE # 10317	
A9-01	SW CORNER OFFICE # 9208	
02	S CENTRAL CUBICLE # 9123	
RELINQUISHED BY:	DATE: 10/13/2001 TIME: 4:40pm	RECEIVED BY: RECEIVED
RELINQUISHED BY:	DATE:	RECEIVED BY: 11/3/2001
RELINQUISHED BY:	DATE:	RECEIVED BY: Dr. spa
RELINQUISHED BY:	DATE:	RECEIVED BY:



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New York, New York 10018
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030106222 SAMPLE LOG

PROJECT #: 010496

PROJECT SITE: 90 Church Street

WORK AREA: Floor 8

TECHNICIAN: NAF/ET/RH/JS

DATE: October 13, 2001

FOR LABORATORY USE ONLY

PROJECT MGR: Neil Feldscher

TAT: RUSH

248H

FIELD SAMPLE ID No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
49-03	S.E. AREA CURBLES # 9110	Asbestos Bulk
04	S.E. CORNER OFFICE # 9094	
05	N.E. WINDOW LEDGE ADJ. # 9054	
06	N. CENTRAL WINDOW LEDGE ADJ. # 9290	
07	N.E. CORNER ADJ # 9275	
08	N. CENTRAL WINDOW SILL ADJ. # 9318	
09	N. CENTRAL WINDOW SILL ADJ. # 9328	
48-01	S.W. CORNER OFFICE # 8173	
02	S.W. CORNER OFFICE # 8176	
03	S. CENTRAL CORNER ADJ # 8108	
04	N. S. SIDE WINDOW SILL ADJ. # 8065	
05	S.E. AREA CORNER OFFICE # 8092	
06	N. SIDE WINDOW LEDGE ADJ. # 8051	
07	N. CENTRAL COPY ROOM # 8191	
08	N.W. CORNER CURBLES # 8216	
RELINQUISHED BY: <i>ELC</i>	DATE: 10/3/01	TIME: 4:45pm
RELINQUISHED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:
RECEIVED BY: RECEIVED	DATE: 10/13/2001	TIME:
RECEIVED BY: <i>EX: SW SPN</i>	DATE:	TIME:
RECEIVED BY:	DATE:	TIME:

11-08-2001 5:12PM

FROM PHILIP ANALYTICAL

610 921 8407

P. 1

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-02

Collection Date: 10/26/01

Client Sample ID: 6-05, Kitchen

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 7:42:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 10:13:00 PM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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11-08-2001 5:13PM

FROM PHILIP ANALYTICAL

610 921 8407

P. 2

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-03

Collection Date: 10/26/01

Client Sample ID: 6-06, C# 6496

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 8:10:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 10:34:00 PM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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11-28-2001 5:13PM

FROM PHILIP ANALYTICAL

610 921 8407

P.3

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-04

Collection Date: 10/26/01

Client Sample ID: 6-07, C# 6447

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 8:38:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 10:55:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
V - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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11-28-2001 5:14PM

FROM PHILIP ANALYTICAL

610 921 8407

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-05

Collection Date: 10/26/01

Client Sample ID: 6-08, C# 6398

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						Analyst: GIF
		SW8082B				
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
Aroclor 1266	BRL	2.0		µg, Total	1	10/30/01 9:07:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
		SW8270C				
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 11:16:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE**Lab Order:** R01100386**Project:** WTC Sampling, Rush TAT**Lab ID:** R01100386-06**Collection Date:** 10/26/01**Client Sample ID:** 6-09, C# 6224**Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 9:35:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 11:37:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTBQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386**Lab ID:** R01100386-07**Collection Date:** 10/26/01**Client Sample ID:** 6-10, C# 6251**Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 10:03:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Anthracene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Chrysene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Fluorene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Naphthalene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM
Pyrene	BRL	5.0		µg, Total	1	10/30/01 11:58:00 PM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-08

Collection Date: 10/26/01

Client Sample ID: 6-11, C# 6134

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 10:31:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 12:19:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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FROM PHILIP ANALYTICAL 610 921 8407

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-09

Collection Date: 10/26/01

Client Sample ID: 8-03, Cubicle 8040

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:00:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 12:40:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-10
Client Sample ID: 8-04, 8077

Collection Date: 10/26/01
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1221	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1232	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1242	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1248	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1254	1600	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1260	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1262	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
Aroclor 1268	BRL	110		µg/Kg	1	10/30/01 1:09:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	760	250		µg/Kg	1	11/7/01 6:08:00 AM
Acenaphthylene	BRL	250		µg/Kg	1	11/7/01 6:08:00 AM
Anthracene	2200	250		µg/Kg	1	11/7/01 6:08:00 AM
Benzo(a)anthracene	6100	250		µg/Kg	1	11/7/01 6:08:00 AM
Benzo(a)pyrene	4100	250		µg/Kg	1	11/7/01 6:08:00 AM
Benzo(b)fluoranthene	6300	250		µg/Kg	1	11/7/01 6:08:00 AM
Benzo(g,h,i)perylene	1500	250		µg/Kg	1	11/7/01 6:08:00 AM
Benzo(k)fluoranthene	5300	250		µg/Kg	1	11/7/01 6:08:00 AM
Chrysene	7700	250		µg/Kg	1	11/7/01 6:08:00 AM
Dibenzo(a,h)anthracene	BRL	250		µg/Kg	1	11/7/01 6:08:00 AM
Fluoranthene	11000	2500		µg/Kg	10	11/7/01 3:14:00 AM
Fluorene	930	250		µg/Kg	1	11/7/01 6:08:00 AM
Indeno(1,2,3-cd)pyrene	1400	250		µg/Kg	1	11/7/01 6:08:00 AM
Naphthalene	410	250		µg/Kg	1	11/7/01 6:08:00 AM
Phenanthrene	9000	250		µg/Kg	1	11/7/01 6:08:00 AM
Pyrene	6000	2500		µg/Kg	10	11/7/01 3:14:00 AM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-11

Collection Date: 10/26/01

Client Sample ID: 8-05, SE Side

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1221	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1232	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1242	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1248	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1254	2000	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1260	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1262	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
Aroclor 1268	BRL	210		µg/Kg	1	10/30/01 1:37:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	610		µg/Kg	1	11/7/01 6:30:00 AM
Acenaphthylene	BRL	610		µg/Kg	1	11/7/01 6:30:00 AM
Anthracene	1200	610		µg/Kg	1	11/7/01 6:30:00 AM
Benzo(a)anthracene	2400	610		µg/Kg	1	11/7/01 6:30:00 AM
Benzo(a)pyrene	2300	610		µg/Kg	1	11/7/01 6:30:00 AM
Benzo(b)fluoranthene	2300	610		µg/Kg	1	11/7/01 6:30:00 AM
Benzo(g,h,i)perylene	1400	610		µg/Kg	1	11/7/01 6:30:00 AM
Benzo(k)fluoranthene	1900	610		µg/Kg	1	11/7/01 6:30:00 AM
Chrysene	2800	610		µg/Kg	1	11/7/01 6:30:00 AM
Dibenzo(a,h)anthracene	BRL	610		µg/Kg	1	11/7/01 6:30:00 AM
Fluoranthene	9800	610		µg/Kg	1	11/7/01 6:30:00 AM
Fluorene	740	610		µg/Kg	1	11/7/01 6:30:00 AM
Indeno(1,2,3-cd)pyrene	1500	610		µg/Kg	1	11/7/01 6:30:00 AM
Naphthalene	BRL	610		µg/Kg	1	11/7/01 6:30:00 AM
Phenanthrene	4800	610		µg/Kg	1	11/7/01 6:30:00 AM
Pyrene	5200	610		µg/Kg	1	11/7/01 6:30:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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FROM PHILIP ANALYTICAL

610 921 8407

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-12

Collection Date: 10/26/01

Client Sample ID: 8-06, 8119

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:28:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 1:01:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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610 921 8407

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE

Lab Order: R01100386

Project: WTC Sampling, Rush TAT

Lab ID: R01100386-13

Collection Date: 10/26/01

Client Sample ID: 8-07, 8145

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:56:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 1:22:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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FROM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-14

Collection Date: 10/26/01

Client Sample ID: 8-08, 8188

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1221	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1232	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1242	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1248	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1254	1400	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1260	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1262	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
Aroclor 1268	BRL	200		µg/Kg	1	10/30/01 2:05:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	520		µg/Kg	1	11/7/01 6:52:00 AM
Acenaphthylene	BRL	520		µg/Kg	1	11/7/01 6:52:00 AM
Anthracene	940	520		µg/Kg	1	11/7/01 6:52:00 AM
Benzo(a)anthracene	2000	520		µg/Kg	1	11/7/01 6:52:00 AM
Benzo(a)pyrene	BRL	520		µg/Kg	1	11/7/01 6:52:00 AM
Benzo(b)fluoranthene	2300	520		µg/Kg	1	11/7/01 6:52:00 AM
Benzo(g,h,i)perylene	1100	520		µg/Kg	1	11/7/01 6:52:00 AM
Benzo(k)fluoranthene	1900	520		µg/Kg	1	11/7/01 6:52:00 AM
Chrysene	3500	520		µg/Kg	1	11/7/01 6:52:00 AM
Dibenzo(a,h)anthracene	BRL	520		µg/Kg	1	11/7/01 6:52:00 AM
Fluoranthene	8500	520		µg/Kg	1	11/7/01 6:52:00 AM
Fluorene	BRL	520		µg/Kg	1	11/7/01 6:52:00 AM
Indeno(1,2,3-cd)pyrene	1100	520		µg/Kg	1	11/7/01 6:52:00 AM
Naphthalene	560	520		µg/Kg	1	11/7/01 6:52:00 AM
Phenanthrene	3400	520		µg/Kg	1	11/7/01 6:52:00 AM
Pyrene	4300	520		µg/Kg	1	11/7/01 6:52:00 AM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-15

Collection Date: 10/26/01

Client Sample ID: 8-09, 8221

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 12:25:00 PM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 1:43:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-16
Client Sample ID: 8-10, Computer Rm

Collection Date: 10/26/01
Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 12:53:00 PM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 2:04:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE Lab Order: R01100386
 Project: WTC Sampling, Rush TAT

Lab ID: R01100386-17

Collection Date: 10/26/01

Client Sample ID: 8-11, 8038

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS		SW8082B				
Aroclor 1016	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1221	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1232	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1242	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1248	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1254	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1260	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1262	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
Aroclor 1268	BRL	2.0		µg. Total	1	10/30/01 1:21:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C				Analyst: MDJ
Acenaphthene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Acenaphthylene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Anthracene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Benzo(a)anthracene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Benzo(a)pyrene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Chrysene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Fluoranthene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Fluorene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Naphthalene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Phenanthrene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM
Pyrene	BRL	5.0		µg. Total	1	10/31/01 2:25:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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FROM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386**Lab ID:** R01100386-18**Collection Date:** 10/26/01**Client Sample ID:** 10-02, Cubicle #10043**Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 1:49:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 2:46:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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FROM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-19

Collection Date: 10/26/01

Client Sample ID: 10-03, East Side

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS		SW8082B				
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 2:18:00 AM
						Analyst: MDJ
POLY AROMATIC HYDROCARBONS		SW8270C				
Acenaphthene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Anthracene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Chrysene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Fluorene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Naphthalene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM
Pyrene	BRL	5.0		µg, Total	1	10/31/01 3:07:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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ANALYTICAL SERVICES

October 22, 2001

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

- EPA/NVLAP 101282-0
- AIHA ACCREDITATION NO. 100439
- NC DENR 599
- NY DOH/NELAC 10903
- PA DEP 06-353
- NJ DEP 77020
- CT DPH PH-0238

Neil A. Feldscher
EMTEQUE
505 Eighth Avenue
Suite 900
New York, NY 10018

TEL: (212) 631-9000

FAX: (212) 631-8066

RE: 90 CHURCH STREET / NYCHA #0104916

Order No.: R01100189

OCT 31 2001

Dear Neil A. Feldscher:

PSC Analytical Services received 59 samples on 10/15/01 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Fred Usbeck'.

Fred Usbeck
Manager, CIH

PSC Analytical Services

Date: 22-Oct-01

CLIENT:	EMTEQUE	Lab Order:	R01100189
Project:	90 CHURCH STREET		
Lab ID:	R01100189-01	Collection Date:	10/13/01
Client Sample ID:	M12-01	Matrix:	SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B				Analyst: AJB
Antimony	7.41	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Arsenic	1.56	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Beryllium	1.56	0.0510		mg/Kg	1	10/18/01 3:08:00 AM
Cadmium	1.07	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Chromium	45.2	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Copper	96.8	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Lead	28.5	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Nickel	20.2	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Selenium	BRL	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Silver	BRL	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Thallium	BRL	0.510		mg/Kg	1	10/18/01 3:08:00 AM
Zinc	376	1.02		mg/Kg	1	10/18/01 3:08:00 AM

Lab ID:	R01100189-02	Collection Date:	10/13/01			
Client Sample ID:	M12-02	Matrix:	SOLID			
Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B				Analyst: AJB
Antimony	7.21	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Arsenic	2.11	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Beryllium	1.29	0.0495		mg/Kg	1	10/18/01 3:11:00 AM
Cadmium	2.80	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Chromium	44.3	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Copper	111	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Lead	56.1	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Nickel	10.8	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Selenium	BRL	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Silver	BRL	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Thallium	BRL	0.495		mg/Kg	1	10/18/01 3:11:00 AM
Zinc	720	0.990		mg/Kg	1	10/18/01 3:11:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-03

Collection Date: 10/13/01

Client Sample ID: M11-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	11.1	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Arsenic	1.84	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Beryllium	1.11	0.0505		mg/Kg	1	10/18/01 3:14:00 AM
Cadmium	2.70	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Chromium	32.8	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Copper	152	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Lead	72.0	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Nickel	7.79	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Selenium	BRL	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Silver	0.507	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Thallium	BRL	0.505		mg/Kg	1	10/18/01 3:14:00 AM
Zinc	827	1.01		mg/Kg	1	10/18/01 3:14:00 AM

Lab ID: R01100189-04

Collection Date: 10/13/01

Client Sample ID: M11-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	11.3	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Arsenic	2.62	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Beryllium	1.65	0.0495		mg/Kg	1	10/18/01 3:26:00 AM
Cadmium	4.12	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Chromium	52.7	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Copper	163	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Lead	98.3	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Nickel	11.1	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Selenium	BRL	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Silver	0.700	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Thallium	BRL	0.495		mg/Kg	1	10/18/01 3:26:00 AM
Zinc	988	0.990		mg/Kg	1	10/18/01 3:26:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-05

Collection Date: 10/13/01

Client Sample ID: M11-03

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	13.6	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Arsenic	2.82	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Beryllium	1.79	0.0485		mg/Kg	1	10/18/01 3:29:00 AM
Cadmium	4.32	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Chromium	57.8	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Copper	168	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Lead	101	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Nickel	12.3	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Selenium	BRL	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Silver	0.708	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Thallium	BRL	0.485		mg/Kg	1	10/18/01 3:29:00 AM
Zinc	1050	0.971		mg/Kg	1	10/18/01 3:29:00 AM

Lab ID: R01100189-06

Collection Date: 10/13/01

Client Sample ID: M10-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	12.0	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Arsenic	2.22	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Beryllium	1.55	0.0490		mg/Kg	1	10/18/01 3:33:00 AM
Cadmium	2.92	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Chromium	42.0	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Copper	166	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Lead	73.3	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Nickel	9.66	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Selenium	BRL	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Silver	BRL	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Thallium	BRL	0.490		mg/Kg	1	10/18/01 3:33:00 AM
Zinc	925	0.980		mg/Kg	1	10/18/01 3:33:00 AM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-07

Collection Date: 10/13/01

Client Sample ID: M10-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	11.0	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Arsenic	2.95	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Beryllium	1.68	0.0485		mg/Kg	1	10/18/01 3:36:00 AM
Cadmium	4.53	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Chromium	56.4	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Copper	176	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Lead	106	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Nickel	12.3	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Selenium	BRL	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Silver	0.658	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Thallium	BRL	0.485		mg/Kg	1	10/18/01 3:36:00 AM
Zinc	1130	0.971		mg/Kg	1	10/18/01 3:36:00 AM

Lab ID: R01100189-08

Collection Date: 10/13/01

Client Sample ID: M9-01

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	13.4	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Arsenic	1.82	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Beryllium	1.15	0.0481		mg/Kg	1	10/18/01 3:39:00 AM
Cadmium	0.941	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Chromium	37.0	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Copper	42.0	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Lead	27.7	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Nickel	13.1	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Selenium	BRL	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Silver	2.70	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Thallium	BRL	0.481		mg/Kg	1	10/18/01 3:39:00 AM
Zinc	278	0.962		mg/Kg	1	10/18/01 3:39:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

PSC Analytical Services

Date: 22-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100189

Lab ID: R01100189-09

Collection Date: 10/13/01

Client Sample ID: M9-02

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	19.0	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Arsenic	2.36	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Beryllium	1.93	0.0485		mg/Kg	1	10/18/01 3:42:00 AM
Cadmium	4.24	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Chromium	53.5	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Copper	118	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Lead	65.5	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Nickel	12.5	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Selenium	BRL	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Silver	BRL	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Thallium	BRL	0.485		mg/Kg	1	10/18/01 3:42:00 AM
Zinc	801	0.971		mg/Kg	1	10/18/01 3:42:00 AM

Lab ID: R01100189-10

Collection Date: 10/13/01

Client Sample ID: M9-04

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
6010B, ICP METALS, TOTAL		SW6010B		Analyst: AJB		
Antimony	17.7	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Arsenic	3.77	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Beryllium	1.35	0.0633		mg/Kg	1	10/18/01 3:45:00 AM
Cadmium	6.93	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Chromium	73.6	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Copper	225	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Lead	186	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Nickel	17.0	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Selenium	BRL	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Silver	1.32	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Thallium	BRL	0.633		mg/Kg	1	10/18/01 3:45:00 AM
Zinc	1610	1.27		mg/Kg	1	10/18/01 3:45:00 AM

Qualifiers: BRL - Below Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE Lab Order: R01100386
 Project: WTC Sampling, Rush TAT

Lab ID: R01100386-31

Collection Date: 10/26/01

Client Sample ID: 12-06, 12178

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1018	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 10:56:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/5/01 6:54:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

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p.3

PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386**Lab ID:** R01100386-32**Collection Date:** 10/26/01**Client Sample ID:** 12-07, 12221**Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:26:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/5/01 7:15:00 PM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-33

Collection Date: 10/26/01

Client Sample ID: 12-08, 12261

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
	SW8082B					
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:55:00 AM
POLY AROMATIC HYDROCARBONS						
	SW8270C					
Acenaphthene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/5/01 7:36:00 PM

Analyst: GIF

Analyst: MDJ

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-34

Collection Date: 10/26/01

Client Sample ID: 12-09, North Side

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 12:25:00 PM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/5/01 7:57:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE Lab Order: R01100386
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-35 Collection Date: 10/26/01
Client Sample ID: 12-10, 12044 Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 2:08:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/6/01 10:33:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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Date: 08-Nov-01

PSC Analytical Services

CLIENT: EMTEQUE
 Project: WTC Sampling, Rush TAT
 Lab Order: R01100386

Lab ID: R01100386-36

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 7-02

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1221	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1232	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1242	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1248	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1254	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1260	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1262	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
Aroclor 1268	BRL	2.0		µg. Total	1	10/31/01 2:38:00 AM
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Acenaphthylene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Anthracene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Benzo(a)anthracene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Benzo(a)pyrene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Chrysene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Fluoranthene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Fluorene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Naphthalene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Phenanthrene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM
Pyrene	BRL	5.0		µg. Total	1	11/6/01 10:54:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-37

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 7-03

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
	SW8082B					
Aroclor 1018	BRL	2.0		µg, Total	1	Analyst: GIF 10/31/01 3:07:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 3:07:00 AM
POLY AROMATIC HYDROCARBONS						
	SW8270C					
Acenaphthene	BRL	5.0		µg, Total	1	Analyst: MDJ 11/6/01 11:16:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/6/01 11:16:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTBQUE
Project: WTC Sampling, Rush TAT

Collection Date: 10/26/01

Lab ID: R01100386-38

Matrix: WIPE

Client Sample ID: 7-04

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg. Total	1	Analyst: GIF 10/31/01 3:36:00 AM
Aroclor 1221	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1232	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1242	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1248	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1254	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1260	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1262	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
Aroclor 1268	BRL	2.0		µg. Total	1	10/31/01 3:36:00 AM
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	BRL	5.0		µg. Total	1	Analyst: MDJ 11/6/01 11:38:00 PM
Acenaphthylene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Anthracene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Benzo(a)anthracene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Benzo(a)pyrene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Chrysene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Fluoranthene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Fluorene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Naphthalene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Phenanthrene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM
Pyrene	BRL	5.0		µg. Total	1	11/6/01 11:38:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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Date: 08-Nov-01

PSC Analytical Services

PSC Analytical Services				Lab Order:	R01100386	
CLIENT:	EMTEQUE					
Project:	WTC Sampling, Rush TAT					
Lab ID:	R01100386-39	Collection Date: 10/26/01				
Client Sample ID:	9-02	Matrix: WIPE				
Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						SW8082B
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 4:06:00 AM
						Analyst: MDJ
POLY AROMATIC HYDROCARBONS						SW8270C
Acenaphthene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/6/01 11:59:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:45p

PSC Analytical Services

6109219667

P. 11

Date: 08-Nov-01

PSC Analytical Services

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-40

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 9-03

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						SW8082B
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 4:35:00 AM
						Analyst: MDJ
POLY AROMATIC HYDROCARBONS						SW8270C
Acenaphthene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Anthracene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Chrysene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Fluorene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Naphthalene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM
Pyrene	BRL	5.0		µg, Total	1	11/7/01 12:21:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:46p

PSC Analytical Services

6109219667

P.12

Date: 08-Nov-01

PSC Analytical Services

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-41

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 9-04

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1018	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1254	2.9	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 5:04:00 AM
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Anthracene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Chrysene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Fluorene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Naphthalene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM
Pyrene	BRL	5.0		µg, Total	1	11/7/01 12:43:00 AM

Analyst: GIF

Analyst: MDJ

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:46p

PSC Analytical Services

6109219667

p.13

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE

Project: WTC Sampling, Rush TAT

Lab ID: R01100386-42

Collection Date: 10/26/01

Client Sample ID: 9-05

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
		SW8082B				Analyst: GIF
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 5:34:00 AM
POLY AROMATIC HYDROCARBONS						
		SW8270C				Analyst: MDJ
Acenaphthene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Anthracene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Chrysene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Fluorene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Naphthalene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM
Pyrene	BRL	5.0		µg, Total	1	11/7/01 1:04:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:47p

PSC Analytical Services

6109219667

P.14

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-43

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 9-06

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 6:03:00 AM
						Analyst: MDJ
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Anthracene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Chrysene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Fluorene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Naphthalene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM
Pyrene	BRL	5.0		µg, Total	1	11/7/01 1:26:00 AM

Qualifiers:

BRL - Below Reporting Limit

I - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:48p

PSC Analytical Services

6109219667

p.15

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-44
Client Sample ID: 9-07

Collection Date: 10/26/01
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
		SW8082B				Analyst: GIF
Aroclor 1016	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1221	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1232	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1242	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1248	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1254	620	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1260	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1262	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
Aroclor 1268	BRL	120		µg/Kg	1	10/30/01 3:02:00 AM
POLY AROMATIC HYDROCARBONS						
		SW8270C				Analyst: MDJ
Acenaphthene	1100	380		µg/Kg	1	11/7/01 7:35:00 AM
Acenaphthylene	BRL	380		µg/Kg	1	11/7/01 7:35:00 AM
Anthracene	2600	380		µg/Kg	1	11/7/01 7:35:00 AM
Benzo(a)anthracene	7000	380		µg/Kg	1	11/7/01 7:35:00 AM
Benzo(a)pyrene	5200	380		µg/Kg	1	11/7/01 7:35:00 AM
Benzo(b)fluoranthene	7100	380		µg/Kg	1	11/7/01 7:35:00 AM
Benzo(g,h,i)perylene	1600	380		µg/Kg	1	11/7/01 7:35:00 AM
Benzo(k)fluoranthene	6600	380		µg/Kg	1	11/7/01 7:35:00 AM
Chrysene	7700	380		µg/Kg	1	11/7/01 7:35:00 AM
Dibenzo(a,h)anthracene	BRL	380		µg/Kg	10	11/7/01 4:41:00 AM
Fluoranthene	10000	3800		µg/Kg	1	11/7/01 7:35:00 AM
Fluorene	1300	380		µg/Kg	1	11/7/01 7:35:00 AM
Indeno(1,2,3-cd)pyrene	1600	380		µg/Kg	1	11/7/01 7:35:00 AM
Naphthalene	750	380		µg/Kg	1	11/7/01 7:35:00 AM
Phenanthrene	11000	380		µg/Kg	1	11/7/01 7:35:00 AM
Pyrene	15000	380		µg/Kg	1	11/7/01 7:35:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:48p

PSC Analytical Services

8109219667

P. 16

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-45

Collection Date: 10/26/01

Client Sample ID: 9-08

Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	150		µg/Kg	1	Analyst: GIF 10/30/01 3:30:00 AM
Aroclor 1221	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1232	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1242	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1248	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1254	1400	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1260	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1262	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
Aroclor 1268	BRL	150		µg/Kg	1	10/30/01 3:30:00 AM
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	340	240		µg/Kg	1	Analyst: MDJ 11/7/01 7:57:00 AM
Acenaphthylene	BRL	240		µg/Kg	1	11/7/01 7:57:00 AM
Anthracene	1100	240		µg/Kg	1	11/7/01 7:57:00 AM
Benzo(a)anthracene	3100	240		µg/Kg	1	11/7/01 7:57:00 AM
Benzo(a)pyrene	2200	240		µg/Kg	1	11/7/01 7:57:00 AM
Benzo(b)fluoranthene	3700	240		µg/Kg	1	11/7/01 7:57:00 AM
Benzo(g,h,i)perylene	860	240		µg/Kg	1	11/7/01 7:57:00 AM
Benzo(k)fluoranthene	3100	240		µg/Kg	1	11/7/01 7:57:00 AM
Chrysene	4500	240		µg/Kg	1	11/7/01 7:57:00 AM
Dibenzo(a,h)anthracene	BRL	240		µg/Kg	10	11/7/01 5:03:00 AM
Fluoranthene	8800	2400		µg/Kg	1	11/7/01 7:57:00 AM
Fluorene	450	240		µg/Kg	1	11/7/01 7:57:00 AM
Indeno(1,2,3-cd)pyrene	870	240		µg/Kg	1	11/7/01 7:57:00 AM
Naphthalene	270	240		µg/Kg	1	11/7/01 7:57:00 AM
Phenanthrene	4800	240		µg/Kg	1	11/7/01 7:57:00 AM
Pyrene	9000	240		µg/Kg	1	11/7/01 7:57:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:49p

PSC Analytical Services

6109219667

P.17

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab ID: R01100386-46

Collection Date: 10/26/01

Matrix: WIPE

Client Sample ID: 9-09

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 6:33:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Acenaphthylene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Anthracene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Chrysene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Fluoranthene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Fluorene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Naphthalene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Phenanthrene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM
Pyrene	BRL	5.0		µg, Total	1	11/7/01 1:48:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Nov 08 01 04:49p

PSC Analytical Services

6109219667

P.18

Date: 08-Nov-01

PSC Analytical Services

CLIENT: EMTEQUE
 Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-47

Collection Date: 10/26/01

Client Sample ID: 9-10

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						SW8082B
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 10:15:00 AM
POLY AROMATIC HYDROCARBONS						SW8270C
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 8:06:00 PM

Analyst: MDJ

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

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Date: 08-Nov-01

PSC Analytical Services

CLIENT: EMTEQUE
 Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-48

Collection Date: 10/26/01

Client Sample ID: 11-02

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 10:44:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 8:27:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
 Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-49

Collection Date: 10/26/01

Client Sample ID: 11-03

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:12:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
SW8270C						
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 8:48:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-50

Collection Date: 10/26/01

Client Sample ID: 11-04

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						Analyst: GIF
		SW8082B				
Aroclor 1016	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/30/01 11:40:00 AM
POLY AROMATIC HYDROCARBONS						Analyst: MDJ
		SW8270C				
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 9:09:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE**Lab Order:** R01100386**Project:** WTC Sampling, Rush TAT**Lab ID:** R01100386-51**Collection Date:** 10/26/01**Client Sample ID:** 11-05**Matrix:** WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 12:08:00 PM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 9:31:00 PM

Qualifiers: BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-52

Collection Date: 10/26/01

Client Sample ID: 11-06

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1018	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 12:36:00 PM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 9:52:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-53

Collection Date: 10/26/01

Client Sample ID: 11-07

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 1:05:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 10:13:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-54

Collection Date: 10/26/01

Client Sample ID: 11-08

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 1:33:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 10:34:00 PM

Qualifiers: BRL - Below Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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PSC Analytical Services

6109219867

P.26

Date: 08-Nov-01

PSC Analytical Services

Lab Order: R01100386
 CLIENT: EMTEQUE
 Project: WTC Sampling, Rush TAT

Lab ID: R01100386-55
 Collection Date: 10/26/01
 Client Sample ID: 11-09
 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS						
SW8082B						
Aroclor 1016	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1221	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1232	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1242	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1248	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1254	1100	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1260	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1262	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
Aroclor 1268	BRL	200		µg/Kg	1	10/30/01 3:58:00 AM
POLY AROMATIC HYDROCARBONS						
SW8270C						
Acenaphthene	400	330		µg/Kg	1	11/7/01 8:18:00 AM
Acenaphthylene	BRL	330		µg/Kg	1	11/7/01 8:18:00 AM
Anthracene	1100	330		µg/Kg	1	11/7/01 8:18:00 AM
Benzo(a)anthracene	3400	330		µg/Kg	1	11/7/01 8:18:00 AM
Benzo(a)pyrene	2300	330		µg/Kg	1	11/7/01 8:18:00 AM
Benzo(b)fluoranthene	4000	330		µg/Kg	1	11/7/01 8:18:00 AM
Benzo(g,h,i)perylene	1100	330		µg/Kg	1	11/7/01 8:18:00 AM
Benzo(k)fluoranthene	3500	330		µg/Kg	1	11/7/01 8:18:00 AM
Chrysene	4800	330		µg/Kg	1	11/7/01 8:18:00 AM
Dibenzo(a,h)anthracene	BRL	330		µg/Kg	1	11/7/01 8:18:00 AM
Fluoranthene	16000	330		µg/Kg	1	11/7/01 8:18:00 AM
Fluorene	520	330		µg/Kg	1	11/7/01 8:18:00 AM
Indeno(1,2,3-cd)pyrene	1000	330		µg/Kg	1	11/7/01 8:18:00 AM
Naphthalene	360	330		µg/Kg	1	11/7/01 8:18:00 AM
Phenanthrene	4800	330		µg/Kg	1	11/7/01 8:18:00 AM
Pyrene	10000	330		µg/Kg	1	11/7/01 8:18:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-56

Collection Date: 10/26/01

Client Sample ID: 11-10

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
						Analyst: GIF
POLYCHLORINATED BIPHENYLS		SW8082B				
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 2:01:00 AM
						Analyst: MDJ
POLY AROMATIC HYDROCARBONS		SW8270C				
Acenaphthene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/1/01 10:55:00 PM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Nov 08 01 04:54p

PSC Analytical Services

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PSC Analytical Services

Date: 08-Nov-01

CLIENT: EMTEQUE
Project: WTC Sampling, Rush TAT

Lab Order: R01100386

Lab ID: R01100386-57

Collection Date: 10/26/01

Client Sample ID: FB-2 Field Blank

Matrix: WIPE

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		SW8082B		Analyst: GIF		
Aroclor 1016	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1221	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1232	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1242	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1248	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1254	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1260	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1262	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
Aroclor 1268	BRL	2.0		µg, Total	1	10/31/01 2:30:00 AM
POLY AROMATIC HYDROCARBONS		SW8270C		Analyst: MDJ		
Acenaphthene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Acenaphthylene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Anthracene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Benzo(a)anthracene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Benzo(a)pyrene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Benzo(b)fluoranthene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Benzo(g,h,i)perylene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Benzo(k)fluoranthene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Chrysene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Dibenzo(a,h)anthracene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Fluoranthene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Fluorene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Indeno(1,2,3-cd)pyrene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Naphthalene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Phenanthrene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM
Pyrene	BRL	5.0		µg, Total	1	11/3/01 3:56:00 PM

Qualifiers: BRL - Below Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

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CCT-24-01 WED 4:54 PM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 24-Oct-01

CLIENT: EMTEQUE Lab Order: R01100289
Project: 90 CHURCH STREET

Lab ID: R01100289-01 Collection Date: 10/13/01
Client Sample ID: aka 189-01A, M12-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.423	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-02 Collection Date: 10/13/01
Client Sample ID: aka 189-02A, M12-02 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.376	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-03 Collection Date: 10/13/01
Client Sample ID: aka 189-03A, M11-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.325	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-04 Collection Date: 10/13/01
Client Sample ID: aka 189-04A, M11-02 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.366	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-05 Collection Date: 10/13/01
Client Sample ID: aka 189-05A, M11-03 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.378	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-06 Collection Date: 10/13/01
Client Sample ID: aka 189-06A, M10-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.330	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Qualifiers: BRL - Below Reporting Limit S - Spike Recovery outside accepted recovery limits
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank E - Value above quantitation range
* - Value exceeds Maximum Contaminant Level

OCT-24-01 WED 4:55 PM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 24-Oct-01

CLIENT: EMTEQUE Lab Order: R01100289
 Project: 90 CHURCH STREET

Lab ID: R01100289-07 Collection Date: 10/13/01
 Client Sample ID: aka 189-07A, M10-02 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.396	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-08 Collection Date: 10/13/01
 Client Sample ID: aka 189-08A, M9-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.207	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-09 Collection Date: 10/13/01
 Client Sample ID: aka 189-09A, M9-02 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.253	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-10 Collection Date: 10/13/01
 Client Sample ID: aka 189-011A, M8-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.256	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-11 Collection Date: 10/13/01
 Client Sample ID: aka 189-013A, M6-01 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.552	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Lab ID: R01100289-12 Collection Date: 10/13/01
 Client Sample ID: aka 189-014A, M7-02 Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
7471B, MERCURY, TOTAL		SW7471				Analyst: JDC
Mercury	0.287	0.040		mg/Kg	1	10/24/01 8:54:00 AM

Qualifiers:

BRL - Below Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

CCT-24-01 WED 4:56 PM PHILIP ANALYTICAL

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PSC Analytical Services

Date: 24-Oct-01

CLIENT: EMTEQUE
Project: 90 CHURCH STREET

Lab Order: R01100289

Lab ID:	R01100289-13	Collection Date:	10/13/01
Client Sample ID:	aka 189-015A, M7-03	Matrix:	SOLID
Analyses	Result	Limit Qual Units	DF Date Analyzed
7471B, MERCURY, TOTAL		SW7471	
Mercury	0.373	0.040 mg/Kg	1 10/24/01 8:54:00 AM

Lab ID:	R01100289-14	Collection Date:	10/13/01
Client Sample ID:	aka 189-017A, M5-01	Matrix:	SOLID
Analyses	Result	Limit Qual Units	DF Date Analyzed
7471B, MERCURY, TOTAL		SW7471	
Mercury	0.439	0.040 mg/Kg	1 10/24/01 8:54:00 AM

Qualifiers:

- BRL - Below Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level

- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range



ANALYTICAL SERVICES

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

- EPA/NVLAP 101262-0
- AIHA ACCREDITATION NO. 100439
- NC DENR 599
- NY DOH/NELAC 10903
- PA DEP 06-353
- NJ DEP 77020
- CT DPH PH-0238

ANALYTICAL REPORT

Client: Emteque
 Report to: Neil A. Feldscher
 Emteque
 505 Eighth Ave.
 Suite 900
 New York NY 10018

Project: 207720
 Received: 15-OCT-01
 Reported: 31-OCT-01

Project Description: 010496 - 90 Church St. - Floors 12,11,10,9,8
 Dioxins on Wipes Analysis

Sampled: 13-OCT-01

<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>D12-01</u> Lab Sample: 1467955 PCDD/PCDF See Attached Report				8290
<u>D11-01</u> Lab Sample: 1467956 PCDD/PCDF See Attached Report				8290
<u>D10-01</u> Lab Sample: 1467957 PCDD/PCDF See Attached Report				8290
<u>D9-01</u> Lab Sample: 1467958 PCDD/PCDF See Attached Report				8290

Nov 01 01 01:11p

PSC Analytical Services

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310CT01_1220_13_N1261_R.R



ANALYTICAL SERVICES
 Client: Emteque
 Project: 207720

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

- EPA/NVLAP 101262-0
- AIHA ACCREDITATION NO. 100439
- NC DENR 599
- NY DOH/NELAC 10903
- PA DEP 06-353
- NJ DEP 77020
- CT DPH PH-0238

	<u>RESULT</u>	<u>UNITS</u>	<u>CONCENTRATION</u>	<u>UNITS</u>	<u>METHOD</u>
<u>D8-01</u> Lab Sample: 1467959					8290
PCDD/PCDF See Attached Report					
<u>D8-02</u> Lab Sample: 1467960					8290
PCDD/PCDF See Attached Report					
<u>D6-01</u> Lab Sample: 1467961					8290
PCDD/PCDF See Attached Report					
<u>D7-01</u> Lab Sample: 1467962					8290
PCDD/PCDF See Attached Report					
<u>D5-01</u> Lab Sample: 1467963					8290
PCDD/PCDF See Attached Report					
<u>D5-02</u> Lab Sample: 1467964					8290
PCDD/PCDF See Attached Report					
<u>D5-03</u> Lab Sample: 1467965					8290
PCDD/PCDF See Attached Report					

Nov 01 01 01:12p

PSC Analytical Services

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31OCT01_1220_13_N1261_R.R



ANALYTICAL SERVICES
 Client: Emteque
 Project: 207720

INDUSTRIAL HYGIENE

ENVIRONMENTAL TESTING

- EPA/NVLAP 101262-0
- AIHA ACCREDITATION NO. 100439
- NC DENR 599
- NY DOH/NELAC 10903
- PA DEP 06-353
- NJ DEP 77020
- CT DPH PH-0238

D6-02

Lab Sample: 1467966

PCDD/PCDF

See Attached Report

RESULT

UNITS

CONCENTRATION

UNITS

METHOD

8290

D6-03

Lab Sample: 1467967

Final sample concentrations calculated from sample areas supplied on chain of custody.
 < Indicates less than the limit of quantitation.

Nov 01 01 01:12p

PSC Analytical Services

6109219667

P.4

OCT 26 2001 6:01 PM FR PHILP ANALYTICAL 905 332 9169 TO 16109219667

P.02/04

10/26/2001

PASC - Certificate of Analysis

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Component	MDL	Units	207720	207720	207720	207720	207720
			Philip Reading ID:	1467955	1467956	1467957	1467958
			Lab No.:	062395 01	062396 01	062397 01	062398 01
			Client ID	D12-01	D11-01	D10-01	D9-01
			Date Sampled:	13-Oct-2001	13-Oct-2001	13-Oct-2001	13-Oct-2001
Total Tetrachlorodibenzofurans	pg/g	4800	18000	11000	3100	3000	
Total Pentachlorodibenzofurans	"	1800	7400	4900	1300	1200	
Total Hexachlorodibenzofurans	"	820	2500	1900	470	520	
Total Heptachlorodibenzofurans	"	1200	340	460	59	98	
Octachlorodibenzofuran	"	520	430	670	74	340	
Total Tetrachlorodibenzo-p-dioxins	"	6200	22000	15000	3700	3600	
Total Pentachlorodibenzo-p-dioxins	"	740	6100	4300	1000	960	
Total Hexachlorodibenzo-p-dioxins	"	730	3300	2600	660	680	
Total Heptachlorodibenzo-p-dioxins	"	390	920	1800	250	730	
Octachlorodibenzo-p-dioxin	"	2300	1500	45000	760	5000	
Internal Recoveries	%						
2,3,7,8-T4CDF-13C12		73	64	63	62	56	
2,3,7,8-T4CDD-13C12		79	66	64	68	61	
1,2,3,7,8-P5CDF-13C12		64	53	52	60	54	
1,2,3,7,8-P5CDD-13C12		90	77	80	92	81	
1,2,3,4,7,8-H6CDF-13C12		73	56	54	72	48	
1,2,3,6,7,8-H6CDD-13C12		83	64	64	82	54	
1,2,3,4,6,7,8-H7CDF-13C12		76	59	56	92	45	
1,2,3,4,6,7,8-H7CDD-13C12		90	73	58	109	65	
OCDD-13C12		91	75	82	123	67	
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg/g	590	2000	1400	380	370	
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	13	42	36	7.7	12	
1,2,3,7,8-Cl5-Dibenzofuran	"	89	210	180	48	57	
2,3,4,7,8-Cl5-Dibenzofuran	"	110	420	310	92	81	
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	19	<57	<38	<11	15	
1,2,3,4,7,8-Cl6-Dibenzofuran	"	150	420	310	83	97	
1,2,3,6,7,8-Cl6-Dibenzofuran	"	120	190	150	37	52	
2,3,4,6,7,8-Cl6-Dibenzofuran	"	65	170	150	40	43	
1,2,3,7,8,9-Cl6-Dibenzofuran	"	21	<18	<11	<11	<17	
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	11	43	33	10	10	
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	23	88	75	20	24	
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	35	140	110	28	42	
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	700	<560	<450	<100	<540	
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	150	130	100	26	120	
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	190	430	840	120	380	
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	520	430	670	74	340	
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	2300	1500	45000	760	5000	
Dilution Factor		1.0	10	10	10	10	
2,3,7,8-TCDF (DB225)	pg/g	130	290	180	58	46	
Internal Recoveries	%						
2,3,7,8-TCDF-13C12		95	69	70	65	69	

Client: Philip Analytical Services Inc Project: Misc.

Nov 01 01 01:12p

PSC Analytical Services

6109219667

P.5

OCT 26 2001 6:02 PM FR PHILP ANALYTICAL 905 332 9169 TO 16109219667

P.03/04

10/26/2001

PASC - Certificate of Analysis

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			207720	207720	207720	207720	207720
			1467960	1467961	1467962	1467963	1467964
Phillip Reading ID:			062400 01	062401 01	062402 01	062403 01	062404 01
Lab No.:			D6-01	D7-01	D5-02	D5-03	D6-02
Client ID			13-Oct-2001	13-Oct-2001	13-Oct-2001	13-Oct-2001	13-Oct-2001
Date Sampled:							
Component	MDL	Units					
Total Tetrachlorodibenzofurans		pg/g	1500	11000	24000	14000	12000
Total Pentachlorodibenzofurans		"	610	6700	15000	8800	5000
Total Hexachlorodibenzofurans		"	230	3500	7900	4000	1900
Total Heptachlorodibenzofurans		"	62	730	1200	630	450
Octachlorodibenzofuran		"	91	1100	1100	630	460
Total Tetrachlorodibenzo-p-dioxins		"	1000	13000	21000	11000	14000
Total Pentachlorodibenzo-p-dioxins		"	190	4600	2800	3100	4100
Total Hexachlorodibenzo-p-dioxins		"	280	3900	4700	2400	2700
Total Heptachlorodibenzo-p-dioxins		"	190	1400	1600	950	920
Octachlorodibenzo-p-dioxin		"	1100	3400	2000	1400	2300
Internal Recoveries		%					
2,3,7,8-TCDF-13C12			54	57	42	62	62
2,3,7,8-TCDD-13C12			58	63	44	65	68
1,2,3,7,8-P5CDF-13C12			55	66	40	57	59
1,2,3,7,8-P5CDD-13C12			122	97	65	79	82
1,2,3,4,7,8-H6CDF-13C12			47	62	40	59	58
1,2,3,6,7,8-H6CDD-13C12			46	68	43	63	64
1,2,3,4,6,7,8-H7CDF-13C12			48	71	44	68	69
1,2,3,4,6,7,8-H7CDD-13C12			73	85	47	76	77
OCDD-13C12			54	75	52	79	80
2,3,7,8-Cl4-Dibenzofuran (DB5)		pg/g	170	1200	2400	1300	1400
2,3,7,8-Cl4-Dibenzo-p-dioxin		"	3.9	33	61	29	27
1,2,3,7,8-Cl5-Dibenzofuran		"	33	230	490	250	180
2,3,4,7,8-Cl5-Dibenzofuran		"	48	380	930	540	310
1,2,3,7,8-Cl5-Dibenzo-p-dioxin		"	<3.5	<52	<97	<49	<40
1,2,3,4,7,8-Cl6-Dibenzofuran		"	46	530	1000	510	340
1,2,3,6,7,8-Cl6-Dibenzofuran		"	<26	230	470	260	150
2,3,4,6,7,8-Cl6-Dibenzofuran		"	<40	250	370	230	150
1,2,3,7,8,9-Cl6-Dibenzofuran		"	<3.3	<74	150	50	<53
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin		"	<6.7	68	76	38	38
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin		"	<10	110	130	66	75
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin		"	<7.7	140	210	120	120
1,2,3,4,6,7,8-Cl7-Dibenzofuran		"	<83	<870	<1300	<820	<450
1,2,3,4,7,8,9-Cl7-Dibenzofuran		"	<6.1	300	560	240	130
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin		"	98	710	750	420	440
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran		"	91	1100	1100	630	460
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin		"	1100	3400	2000	1400	2300
Dilution Factor			10	10	10	10	10
2,3,7,8-TCDF (DB225)		pg/g	26	130	570	180	200
Internal Recoveries		%					
2,3,7,8-TCDF-13C12			60	68	47	75	74

Client: Phillip Analytical Services Inc Project: Misc.

Nov 01 01 01:12p PSC Analytical Services 6109219667 p.6
 OCT 26 2001 6:03 PM FR PHILP ANALYICAL 905 332 9169 TO 16109219667 P.04/04

10/26/2001

PASC - Certificate of Analysis

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		207720	207720
Philip Reading ID:		1467965	1467966
Lab No.:		062405 01	062406 01
Client ID		D6-03	13-Oct-2001
Date Sampled:		13-Oct-2001	13-Oct-2002
Component	MDL	Units	
Total Tetrachlorodibenzofurans	pg/g	27000	1500
Total Pentachlorodibenzofurans	"	15000	620
Total Hexachlorodibenzofurans	"	6800	290
Total Heptachlorodibenzofurans	"	820	21
Octachlorodibenzofuran	"	1300	83
Total Tetrachlorodibenzo-p-dioxins	"	41000	1700
Total Pentachlorodibenzo-p-dioxins	"	9000	850
Total Hexachlorodibenzo-p-dioxins	"	9200	820
Total Heptachlorodibenzo-p-dioxins	"	2200	640
Octachlorodibenzo-p-dioxin	"	2700	7300
Internal Recoveries	%		
2,3,7,8-TCDF-13C12		64	74
2,3,7,8-TCDD-13C12		63	82
1,2,3,7,8-P5CDF-13C12		63	65
1,2,3,7,8-P5CDD-13C12		130	77
1,2,3,4,7,8-H6CDF-13C12		41	67
1,2,3,6,7,8-H6CDD-13C12		43	70
1,2,3,4,6,7,8-H7CDF-13C12		44	73
1,2,3,4,6,7,8-H7CDD-13C12		57	77
OCDD-13C12		42	82
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg/g	4000	170
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	100	40
1,2,3,7,8-Cl5-Dibenzofuran	"	640	<38
2,3,4,7,8-Cl5-Dibenzofuran	"	980	49
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<85	43
1,2,3,4,7,8-Cl6-Dibenzofuran	"	1100	51
1,2,3,6,7,8-Cl6-Dibenzofuran	"	470	<27
2,3,4,6,7,8-Cl6-Dibenzofuran	"	450	38
1,2,3,7,8,9-Cl6-Dibenzofuran	"	150	<3.2
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	140	12
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	240	27
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	420	120
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<1300	<86
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	370	27
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	960	280
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	1300	83
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	2700	7300
Dilution Factor		10	10
2,3,7,8-TCDF (DB225)	pg/g	670	Pending
Internal Recoveries	%		
2,3,7,8-TCDF-13C12		71	Pending

Client: Philip Analytical Services Inc Project: Misc.

** TOTAL PAGE.04 **

**SEVERN
TRENT
SERVICES**

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500

Tel: 916 373 5600
Fax: 916 371 8420
www.stl-inc.com

October 30, 2001

STL SACRAMENTO PROJECT NUMBER: G1J260165
PO/CONTRACT:

Neil Feldscher
EMTEQUE Corporation
505 Eighth Avenue
Suite 900
New York, New York, 10018

Dear Mr. Feldscher,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on October 26, 2001. These samples are associated with your 010496 project.

The test results in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen M. Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G1J260165

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans

Samples: 3

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

WIPE, 8290, Dioxins/Furans

Samples: 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G1J260165

General Comments

The samples were received at ambient temperature.

There were no other anomalies associated with this project.

STL Sacramento
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: STL Sacramento Laboratory Quality Manual

STL Sacramento Certifications:

Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (NELAP # 01119CA) (ELAP #I-2439), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 107407), Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613)..

Sample Summary G1J260165

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
EMVJN	1	D-5-04	10/25/01	10/26/01 09:15 AM
EMVJ4	2	D-5-05	10/25/01	10/26/01 09:15 AM
EMVJ5	3	D-5-06	10/25/01	10/26/01 09:15 AM
EMVJ7	4	D-5-07	10/25/01	10/26/01 09:15 AM
EMVJ9	5	D-5-08	10/25/01	10/26/01 09:15 AM
EMVKA	6	D-5-09	10/25/01	10/26/01 09:15 AM
EMVKE	7	D-5-10	10/25/01	10/26/01 09:15 AM
EMVKF	8	D-5-11	10/25/01	10/26/01 09:15 AM
EMVKH	9	D-5-12	10/25/01	10/26/01 09:15 AM
EMVKJ	10	FB-1	10/25/01	10/26/01 09:15 AM
EMVKK	11	D-9-01A	10/25/01	10/26/01 09:15 AM
EMVKL	12	D-9-02A	10/25/01	10/26/01 09:15 AM
EMVKN	13	D-10-01A	10/25/01	10/26/01 09:15 AM
EMVKR	14	D-10-02A	10/25/01	10/26/01 09:15 AM
EMVKV	15	D-11-1A	10/25/01	10/26/01 09:15 AM
EMVK0	16	D-11-2A	10/25/01	10/26/01 09:15 AM
EMVK4	17	D-12-1A	10/25/01	10/26/01 09:15 AM
EMVK7	18	D-12-2A	10/25/01	10/26/01 09:15 AM
EMVK8	19	FB-2	10/25/01	10/26/01 09:15 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

XMTZQUE Corporation
505 Eighth Avenue, Suite 900
New York, New York 10018
Phone: (212) 631-9000
Fax: (212) 631-8066



ПОБЛИЖЕ

SAMPLE LOG

Page 2 of 2

WORK AREA: Floor 9-12

PROJECT SITE: 90 Chedy St

810496

PROJECT #:

TECHNICIAN:

DATE: 10/25/01

VF/JS

PROJECT MGE

Print
W. Feldman

TAT: Rob

Print

TAT: Ruh

FOR LABORATORY USE ONLY

TECHNICIAN: <u>NP/JS</u>		DATE: <u>10/25/01</u>
PROJECT MGR.: <u>Print M. Felder</u>		TAT: <u>Rob</u>
FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
7-9-01A	Location on Floor Plan	Drawn - 14-Pos
7-9-02A	↓ Wipe	
7-10-01A	Cable # 11160	
7-10-02A	Cable # 11368	
7-11-1A	Cable # 11144	
7-11-2A	# 11241	
7-12-1A	# 12131	
7-12-2A	# 12266	
FB-2	Fed Blank	

RECEIVED IN GOOD CONDITION
UNDER COC
OCT 26 2001
INI: SC

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
				10-26-01	0945



LOT RECEIPT CHECKLIST

STL Sacramento

CLIENT Entreque PM YD LOG # 12138
 LOT# (QUANTIMS ID) Q15260165 QUOTE# 44779 LOCATION WIA

DATE RECEIVED <u>10-26-01</u> TIME RECEIVED <u>0915</u>		Initials <u>GC</u>	Date <u>10-26-01</u>
DELIVERED BY	☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT ☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL ☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS ☐ STL COURIER ☐ B & B ☐ OTHER _____		
CUSTODY SEAL STATUS	☐ INTACT ☐ BROKEN ☒ N/A		
CUSTODY SEAL #(S)	_____		
SHIPPING CONTAINER(S)	☐ STL ☒ CLIENT ☐ N/A		
TEMPERATURE RECORD (IN °C)	IR 1 ☐ 2 ☐ ☒ OTHER <u>N/A</u>		
COC #(S)	_____		
TEMPERATURE BLANK	_____		
AMBIENT TEMPERATURE	_____		
COLLECTOR'S NAME:	☐ Verified from COC ☒ Not on COC		
pH MEASURED	☐ YES ☐ ANOMALY ☒ N/A		
LABELED BY.....	_____		
LABELS CHECKED BY.....	_____		
SHORT HOLD TEST NOTIFICATION	SAMPLE RECEIVING WETCHEM ☒ N/A		
☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL	☒ N/A		
☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES	☐ N/A		
☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °-6 °C)	☒ N/A		
☐ WET ICE ☐ BLUE ICE ☐ GEL PACK			
☐ PM NOTIFIED ☐ NO COOLING AGENTS USED			

Notes: _____

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
___AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
250AGBna																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
___PB/PJ																				
___PBn/PJn																				
500PB/PJ																				
500PBn/PJn																				
500PBna																				
500PBzn/na																				
250PB																				
250PBn																				
250PBna																				
250PBzn/na																				
___CT																				
Encore																				
Folder/Filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

* Number of VOA's with air bubbles present / total number of VOA's

SOLID, 8290, Dioxins/Furans

EMTEQUE CORPORATION

Client Sample ID: D-5-06

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-003 Work Order #....: EMVJ51AA Matrix.....: SOLID
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299419

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	150		pg/g	SW846 8290
Total TCDD	36000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	330		pg/g	SW846 8290
Total PeCDD	19000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	230		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	360		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	380		pg/g	SW846 8290
Total HxCDD	14000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1600		pg/g	SW846 8290
Total HpCDD	3600		pg/g	SW846 8290
OCDD	3600		pg/g	SW846 8290
2,3,7,8-TCDF	560 CON		pg/g	SW846 8290
Total TCDF	28000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	910		pg/g	SW846 8290
2,3,4,7,8-PeCDF	1100		pg/g	SW846 8290
Total PeCDF	14000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	710		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	590		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	580		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	64		pg/g	SW846 8290
Total HxCDF	5900		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	160		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	250		pg/g	SW846 8290
Total HpCDF	2800		pg/g	SW846 8290
OCDF	900		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	91	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S):

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

GLJ260165

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1299507	
002	WIPE	SW846 8290		1299507	
003	SOLID	SW846 8290		1299419	
004	WIPE	SW846 8290		1299507	
005	WIPE	SW846 8290		1299507	
006	WIPE	SW846 8290		1299507	
007	WIPE	SW846 8290		1299507	
008	WIPE	SW846 8290		1299507	
009	WIPE	SW846 8290		1299507	
010	WIPE	SW846 8290		1299507	
011	WIPE	SW846 8290		1299507	
012	WIPE	SW846 8290		1299507	
013	WIPE	SW846 8290		1299507	
014	WIPE	SW846 8290		1299507	
015	WIPE	SW846 8290		1299507	
016	WIPE	SW846 8290		1299507	
017	WIPE	SW846 8290		1299507	
018	WIPE	SW846 8290		1299507	
019	WIPE	SW846 8290		1299507	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J260165 Work Order #...: EMWDK1AA Matrix.....: SOLID
 MB Lot-Sample #: G1J260000-419
 Prep Date.....: 10/26/01
 Analysis Date...: 10/27/01 Prep Batch #...: 1299419
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.38	pg/g	SW846 8290
Total TCDD	ND	0.38	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.70	pg/g	SW846 8290
Total PeCDD	ND	0.70	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.25	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.24	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.23	pg/g	SW846 8290
Total HxCDD	ND	0.25	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.20	pg/g	SW846 8290
Total HpCDD	ND	0.20	pg/g	SW846 8290
OCDD	ND	0.39	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.47	pg/g	SW846 8290
Total TCDF	ND	0.47	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.37	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.37	pg/g	SW846 8290
Total PeCDF	ND	0.59	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.17	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.16	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.18	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.19	pg/g	SW846 8290
Total HxCDF	ND	0.19	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.20	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.24	pg/g	SW846 8290
Total HpCDF	ND	0.24	pg/g	SW846 8290
OCDF	ND	0.50	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	75	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1J260165 Work Order #...: EMWDK1AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J260000-419
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299419
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	17.3	pg/g	87	SW846 8290
1,2,3,7,8-PeCDD	100	86.3	pg/g	86	SW846 8290
1,2,3,4,7,8-HxCDD	100	105	pg/g	105	SW846 8290
1,2,3,6,7,8-HxCDD	100	91.6	pg/g	92	SW846 8290
1,2,3,7,8,9-HxCDD	100	99.5	pg/g	100	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	88.7	pg/g	89	SW846 8290
OCDD	200	187	pg/g	93	SW846 8290
2,3,7,8-TCDF	20.0	18.3	pg/g	91	SW846 8290
1,2,3,7,8-PeCDF	100	88.6	pg/g	89	SW846 8290
2,3,4,7,8-PeCDF	100	87.4	pg/g	87	SW846 8290
1,2,3,4,7,8-HxCDF	100	86.4	pg/g	86	SW846 8290
1,2,3,6,7,8-HxCDF	100	88.9	pg/g	89	SW846 8290
2,3,4,6,7,8-HxCDF	100	95.2	pg/g	95	SW846 8290
1,2,3,7,8,9-HxCDF	100	90.9	pg/g	91	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	85.2	pg/g	85	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	88.0	pg/g	88	SW846 8290
OCDF	200	185	pg/g	93	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1J260165 Work Order #...: EMWDK1AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J260000-419
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299419
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	87	(60 - 141)	SW846 8290
1,2,3,7,8-PeCDD	86	(65 - 140)	SW846 8290
1,2,3,4,7,8-HxCDD	105	(52 - 152)	SW846 8290
1,2,3,6,7,8-HxCDD	92	(62 - 138)	SW846 8290
1,2,3,7,8,9-HxCDD	100	(58 - 147)	SW846 8290
1,2,3,4,6,7,8-HpCDD	89	(65 - 137)	SW846 8290
OCDD	93	(64 - 143)	SW846 8290
2,3,7,8-TCDF	91	(59 - 140)	SW846 8290
1,2,3,7,8-PeCDF	89	(64 - 140)	SW846 8290
2,3,4,7,8-PeCDF	87	(61 - 141)	SW846 8290
1,2,3,4,7,8-HxCDF	86	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDF	89	(60 - 138)	SW846 8290
2,3,4,6,7,8-HxCDF	95	(65 - 148)	SW846 8290
1,2,3,7,8,9-HxCDF	91	(59 - 146)	SW846 8290
1,2,3,4,6,7,8-HpCDF	85	(64 - 138)	SW846 8290
1,2,3,4,7,8,9-HpCDF	88	(58 - 145)	SW846 8290
OCDF	93	(58 - 145)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WIPE, 8290, Dioxins/Furans

EMTEQUE CORPORATION

Client Sample ID: D-5-04

Trace Level Organic Compounds

Lot-Sample #...: G1J260165-001 Work Order #...: EMVJN1AA Matrix.....: WIPE
 Date Sampled...: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/27/01
 Prep Batch #...: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	27		pg	SW846 8290
Total TCDD	6900		pg	SW846 8290
1,2,3,7,8-PeCDD	160		pg	SW846 8290
Total PeCDD	9300		pg	SW846 8290
1,2,3,4,7,8-HxCDD	100		pg	SW846 8290
1,2,3,6,7,8-HxCDD	190		pg	SW846 8290
1,2,3,7,8,9-HxCDD	200		pg	SW846 8290
Total HxCDD	7700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	730		pg	SW846 8290
Total HpCDD	1700		pg	SW846 8290
OCDD	850		pg	SW846 8290
2,3,7,8-TCDF	240 CON		pg	SW846 8290
Total TCDF	4200		pg	SW846 8290
1,2,3,7,8-PeCDF	330		pg	SW846 8290
2,3,4,7,8-PeCDF	460		pg	SW846 8290
Total PeCDF	5300		pg	SW846 8290
1,2,3,4,7,8-HxCDF	370		pg	SW846 8290
1,2,3,6,7,8-HxCDF	260		pg	SW846 8290
2,3,4,6,7,8-HxCDF	240		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	26	pg	SW846 8290
Total HxCDF	2500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	640		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	88 J		pg	SW846 8290
Total HpCDF	1000		pg	SW846 8290
OCDF	270		pg	SW846 8290

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	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	83	(40 - 135)
13C-OCDD	91	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	71	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	63	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	78	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

KMTIQUE CORPORATION

Client Sample ID: D-5-05

Trace Level Organic Compounds

Lot-Sample #....: GLJ260165-002 Work Order #....: EMVJ41AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	32		pg	SW846 8290
Total TCDD	7500		pg	SW846 8290
1,2,3,7,8-PeCDD	170		pg	SW846 8290
Total PeCDD	13000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	130		pg	SW846 8290
1,2,3,6,7,8-HxCDD	210		pg	SW846 8290
1,2,3,7,8,9-HxCDD	200		pg	SW846 8290
Total HxCDD	8400		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	760		pg	SW846 8290
Total HpCDD	1800		pg	SW846 8290
OCDD	1000		pg	SW846 8290
2,3,7,8-TCDF	250 CON		pg	SW846 8290
Total TCDF	5400		pg	SW846 8290
1,2,3,7,8-PeCDF	360		pg	SW846 8290
2,3,4,7,8-PeCDF	510		pg	SW846 8290
Total PeCDF	7100		pg	SW846 8290
1,2,3,4,7,8-HxCDF	370		pg	SW846 8290
1,2,3,6,7,8-HxCDF	270		pg	SW846 8290
2,3,4,6,7,8-HxCDF	260		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	28	pg	SW846 8290
Total HxCDF	3000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	730		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	93 J		pg	SW846 8290
Total HpCDF	1100		pg	SW846 8290
OCDF	290		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	91	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	63	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	78	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

KMTQUE CORPORATION

Client Sample ID: D-5-07

Trace Level Organic Compounds

Lot-Sample #....: GLJ260165-004 Work Order #....: EMVJ71AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	95		pg	SW846 8290
Total TCDD	25000		pg	SW846 8290
1,2,3,7,8-PeCDD	360		pg	SW846 8290
Total PeCDD	21000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	250		pg	SW846 8290
1,2,3,6,7,8-HxCDD	520		pg	SW846 8290
1,2,3,7,8,9-HxCDD	490		pg	SW846 8290
Total HxCDD	19000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	2400		pg	SW846 8290
Total HpCDD	5600		pg	SW846 8290
OCDD	3500		pg	SW846 8290
2,3,7,8-TCDF	690 CON		pg	SW846 8290
Total TCDF	14000		pg	SW846 8290
1,2,3,7,8-PeCDF	940		pg	SW846 8290
2,3,4,7,8-PeCDF	1200		pg	SW846 8290
Total PeCDF	15000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	1000		pg	SW846 8290
1,2,3,6,7,8-HxCDF	860		pg	SW846 8290
2,3,4,6,7,8-HxCDF	790		pg	SW846 8290
1,2,3,7,8,9-HxCDF	110		pg	SW846 8290
Total HxCDF	8300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	2400		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	440		pg	SW846 8290
Total HpCDF	4300		pg	SW846 8290
OCDF	1400		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	76	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-5-08

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-005 Work Order #....: EMVJ91AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	49		pg	SW846 8290
Total TCDD	13000		pg	SW846 8290
1,2,3,7,8-PeCDD	180		pg	SW846 8290
Total PeCDD	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	120		pg	SW846 8290
1,2,3,6,7,8-HxCDD	230		pg	SW846 8290
1,2,3,7,8,9-HxCDD	240		pg	SW846 8290
Total HxCDD	8000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	960		pg	SW846 8290
Total HpCDD	2200		pg	SW846 8290
OCDD	1300		pg	SW846 8290
2,3,7,8-TCDF	410 CON		pg	SW846 8290
Total TCDF	9100		pg	SW846 8290
1,2,3,7,8-PeCDF	510		pg	SW846 8290
2,3,4,7,8-PeCDF	640		pg	SW846 8290
Total PeCDF	8000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	460		pg	SW846 8290
1,2,3,6,7,8-HxCDF	390		pg	SW846 8290
2,3,4,6,7,8-HxCDF	340		pg	SW846 8290
1,2,3,7,8,9-HxCDF	53 J		pg	SW846 8290
Total HxCDF	3700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	160		pg	SW846 8290
Total HpCDF	1700		pg	SW846 8290
OCDF	400		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	68	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-5-09

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-006 Work Order #....: EMVKALAA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	21		pg	SW846 8290
Total TCDD	3400		pg	SW846 8290
1,2,3,7,8-PeCDD	140		pg	SW846 8290
Total PeCDD	8300		pg	SW846 8290
1,2,3,4,7,8-HxCDD	110		pg	SW846 8290
1,2,3,6,7,8-HxCDD	210		pg	SW846 8290
1,2,3,7,8,9-HxCDD	210		pg	SW846 8290
Total HxCDD	7700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	860		pg	SW846 8290
Total HpCDD	2000		pg	SW846 8290
OCDD	1100		pg	SW846 8290
2,3,7,8-TCDF	110 CON		pg	SW846 8290
Total TCDF	2500		pg	SW846 8290
1,2,3,7,8-PeCDF	340		pg	SW846 8290
2,3,4,7,8-PeCDF	500		pg	SW846 8290
Total PeCDF	5600		pg	SW846 8290
1,2,3,4,7,8-HxCDF	410		pg	SW846 8290
1,2,3,6,7,8-HxCDF	370		pg	SW846 8290
2,3,4,6,7,8-HxCDF	340		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	44	pg	SW846 8290
Total HxCDF	3500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	940		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	140		pg	SW846 8290
Total HpCDF	1600		pg	SW846 8290
OCDF	460		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-5-10

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-007 Work Order #....: EMVKE1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	22		pg	SW846 8290
Total TCDD	3700		pg	SW846 8290
1,2,3,7,8-PeCDD	140		pg	SW846 8290
Total PeCDD	7500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	110		pg	SW846 8290
1,2,3,6,7,8-HxCDD	220		pg	SW846 8290
1,2,3,7,8,9-HxCDD	220		pg	SW846 8290
Total HxCDD	7600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	810		pg	SW846 8290
Total HpCDD	1900		pg	SW846 8290
OCDD	920		pg	SW846 8290
2,3,7,8-TCDF	140 CON		pg	SW846 8290
Total TCDF	3100		pg	SW846 8290
1,2,3,7,8-PeCDF	320		pg	SW846 8290
2,3,4,7,8-PeCDF	460		pg	SW846 8290
Total PeCDF	4800		pg	SW846 8290
1,2,3,4,7,8-HxCDF	370		pg	SW846 8290
1,2,3,6,7,8-HxCDF	350		pg	SW846 8290
2,3,4,6,7,8-HxCDF	330		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	29	pg	SW846 8290
Total HxCDF	2900		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	790		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	120		pg	SW846 8290
Total HpCDF	1200		pg	SW846 8290
OCDF	340		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	60	(40 - 135)
13C-1,2,3,7,8-PeCDD	56	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	54	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	70	(40 - 135)
13C-OCDD	71	(40 - 135)
13C-2,3,7,8-TCDF	58	(40 - 135)
13C-1,2,3,7,8-PeCDF	52	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	48	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	66	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-5-11

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-008 Work Order #....: EMVKF1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	6.0	pg	SW846 8290
Total TCDD	690		pg	SW846 8290
1,2,3,7,8-PeCDD	63 J		pg	SW846 8290
Total PeCDD	3300		pg	SW846 8290
1,2,3,4,7,8-HxCDD	65 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg	SW846 8290
1,2,3,7,8,9-HxCDD	110		pg	SW846 8290
Total HxCDD	4300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	410		pg	SW846 8290
Total HpCDD	990		pg	SW846 8290
OCDD	460		pg	SW846 8290
2,3,7,8-TCDF	25 CON		pg	SW846 8290
Total TCDF	460		pg	SW846 8290
1,2,3,7,8-PeCDF	91 J		pg	SW846 8290
2,3,4,7,8-PeCDF	170		pg	SW846 8290
Total PeCDF	1400		pg	SW846 8290
1,2,3,4,7,8-HxCDF	170		pg	SW846 8290
1,2,3,6,7,8-HxCDF	140		pg	SW846 8290
2,3,4,6,7,8-HxCDF	140		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.3	pg	SW846 8290
Total HxCDF	1100		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	340		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	28	pg	SW846 8290
Total HpCDF	340		pg	SW846 8290
OCDF	ND	58	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	95	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	68	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-5-12

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-009 Work Order #....: EMVKH1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	8.0	pg	SW846 8290
Total TCDD	1100		pg	SW846 8290
1,2,3,7,8-PeCDD	51 J		pg	SW846 8290
Total PeCDD	2800		pg	SW846 8290
1,2,3,4,7,8-HxCDD	52 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	100		pg	SW846 8290
1,2,3,7,8,9-HxCDD	99 J		pg	SW846 8290
Total HxCDD	3700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	380		pg	SW846 8290
Total HpCDD	880		pg	SW846 8290
OCDD	530		pg	SW846 8290
2,3,7,8-TCDF	40 CON		pg	SW846 8290
Total TCDF	810		pg	SW846 8290
1,2,3,7,8-PeCDF	99 J		pg	SW846 8290
2,3,4,7,8-PeCDF	150		pg	SW846 8290
Total PeCDF	1400		pg	SW846 8290
1,2,3,4,7,8-HxCDF	150		pg	SW846 8290
1,2,3,6,7,8-HxCDF	140		pg	SW846 8290
2,3,4,6,7,8-HxCDF	120		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg	SW846 8290
Total HxCDF	940		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	330		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	34	pg	SW846 8290
Total HpCDF	440		pg	SW846 8290
OCDF	120 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	77	(40 - 135)
13C-1,2,3,7,8-PeCDF	71	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: FB-1

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-010 Work Order #....: EMVKJ1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	4.0	pg	SW846 8290
Total TCDD	22		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	7.4	pg	SW846 8290
Total PeCDD	ND	23	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.8	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	4.2	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	3.8	pg	SW846 8290
Total HxCDD	ND	49	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	8.6	pg	SW846 8290
Total HpCDD	ND	12	pg	SW846 8290
OCDD	ND	13	pg	SW846 8290
2,3,7,8-TCDF	ND CON	6.7	pg	SW846 8290
Total TCDF	13		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	5.3	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	5.2	pg	SW846 8290
Total PeCDF	ND	11	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	6.6	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	3.6	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.9	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.1	pg	SW846 8290
Total HxCDF	ND	6.6	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	7.3	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.7	pg	SW846 8290
Total HpCDF	ND	7.3	pg	SW846 8290
OCDF	ND	4.5	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	62	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-01A

Trace Level Organic Compounds

Lot-Sample #...: G1J260165-011 Work Order #...: EMVKK1AA Matrix.....: WIPE
 Date Sampled...: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	59		pg	SW846 8290
Total TCDD	9000		pg	SW846 8290
1,2,3,7,8-PeCDD	460		pg	SW846 8290
Total PeCDD	24000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	260		pg	SW846 8290
1,2,3,6,7,8-HxCDD	500		pg	SW846 8290
1,2,3,7,8,9-HxCDD	500		pg	SW846 8290
Total HxCDD	19000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	1300		pg	SW846 8290
Total HpCDD	3100		pg	SW846 8290
OCDD	1400		pg	SW846 8290
2,3,7,8-TCDF	410 CON		pg	SW846 8290
Total TCDF	6500		pg	SW846 8290
1,2,3,7,8-PeCDF	870		pg	SW846 8290
2,3,4,7,8-PeCDF	1200		pg	SW846 8290
Total PeCDF	14000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	800		pg	SW846 8290
1,2,3,6,7,8-HxCDF	770		pg	SW846 8290
2,3,4,6,7,8-HxCDF	620		pg	SW846 8290
1,2,3,7,8,9-HxCDF	98 J		pg	SW846 8290
Total HxCDF	6700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1500		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	270		pg	SW846 8290
Total HpCDF	2400		pg	SW846 8290
OCDF	460		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	79	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	67	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-9-02A

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-012 Work Order #....: EMVKL1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.3	pg	SW846 8290
Total TCDD	1300		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	47	pg	SW846 8290
Total PeCDD	2100		pg	SW846 8290
1,2,3,4,7,8-HxCDD	51 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	98 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	100		pg	SW846 8290
Total HxCDD	3300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	370		pg	SW846 8290
Total HpCDD	870		pg	SW846 8290
OCDD	520		pg	SW846 8290
2,3,7,8-TCDF	44 CON		pg	SW846 8290
Total TCDF	880		pg	SW846 8290
1,2,3,7,8-PeCDF	92 J		pg	SW846 8290
2,3,4,7,8-PeCDF	140		pg	SW846 8290
Total PeCDF	1300		pg	SW846 8290
1,2,3,4,7,8-HxCDF	150		pg	SW846 8290
1,2,3,6,7,8-HxCDF	140		pg	SW846 8290
2,3,4,6,7,8-HxCDF	130		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg	SW846 8290
Total HxCDF	1000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	340		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	37	pg	SW846 8290
Total HpCDF	400		pg	SW846 8290
OCDF	100 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-01A

Trace Level Organic Compounds

Lot-Sample #...: G1J260165-013 Work Order #...: EMVKN1AA Matrix.....: WIPE
 Date Sampled...: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	58		pg	SW846 8290
Total TCDD	12000		pg	SW846 8290
1,2,3,7,8-PeCDD	280		pg	SW846 8290
Total PeCDD	16000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	180		pg	SW846 8290
1,2,3,6,7,8-HxCDD	340		pg	SW846 8290
1,2,3,7,8,9-HxCDD	370		pg	SW846 8290
Total HxCDD	13000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000		pg	SW846 8290
Total HpCDD	2300		pg	SW846 8290
OCDD	1400		pg	SW846 8290
2,3,7,8-TCDF	460 CON		pg	SW846 8290
Total TCDF	7000		pg	SW846 8290
1,2,3,7,8-PeCDF	700		pg	SW846 8290
2,3,4,7,8-PeCDF	840		pg	SW846 8290
Total PeCDF	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	620		pg	SW846 8290
1,2,3,6,7,8-HxCDF	520		pg	SW846 8290
2,3,4,6,7,8-HxCDF	500		pg	SW846 8290
1,2,3,7,8,9-HxCDF	55 J		pg	SW846 8290
Total HxCDF	4700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	160		pg	SW846 8290
Total HpCDF	1700		pg	SW846 8290
OCDF	400		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	87	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	109	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	77	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-10-02A

Trace Level Organic Compounds

Lot-Sample #...: G1J260165-014 Work Order #...: EMVKR1AA Matrix.....: WIPE
 Date Sampled...: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.9	pg	SW846 8290
Total TCDD	450		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	47	pg	SW846 8290
Total PeCDD	1500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	60 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	93 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	99 J		pg	SW846 8290
Total HxCDD	3600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	340		pg	SW846 8290
Total HpCDD	810		pg	SW846 8290
OCDD	380		pg	SW846 8290
2,3,7,8-TCDF	25 CON		pg	SW846 8290
Total TCDF	370		pg	SW846 8290
1,2,3,7,8-PeCDF	75 J		pg	SW846 8290
2,3,4,7,8-PeCDF	130		pg	SW846 8290
Total PeCDF	930		pg	SW846 8290
1,2,3,4,7,8-HxCDF	140		pg	SW846 8290
1,2,3,6,7,8-HxCDF	110		pg	SW846 8290
2,3,4,6,7,8-HxCDF	130		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg	SW846 8290
Total HxCDF	940		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	330		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	47	pg	SW846 8290
Total HpCDF	460		pg	SW846 8290
OCDF	150 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-1A

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-015 Work Order #....: EMVKV1AA Matrix.....: WIPE
 Date Sampled....: 10/25/01 Date Received...: 10/26/01
 Prep Date.....: 10/26/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	9.8	pg	SW846 8290
Total TCDD	1700		pg	SW846 8290
1,2,3,7,8-PeCDD	140		pg	SW846 8290
Total PeCDD	6000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	130		pg	SW846 8290
1,2,3,6,7,8-HxCDD	240		pg	SW846 8290
1,2,3,7,8,9-HxCDD	250		pg	SW846 8290
Total HxCDD	9900		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	660		pg	SW846 8290
Total HpCDD	1600		pg	SW846 8290
OCDD	650		pg	SW846 8290
2,3,7,8-TCDF	110 CON		pg	SW846 8290
Total TCDF	1500		pg	SW846 8290
1,2,3,7,8-PeCDF	250		pg	SW846 8290
2,3,4,7,8-PeCDF	400		pg	SW846 8290
Total PeCDF	3100		pg	SW846 8290
1,2,3,4,7,8-HxCDF	370		pg	SW846 8290
1,2,3,6,7,8-HxCDF	360		pg	SW846 8290
2,3,4,6,7,8-HxCDF	320		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	43	pg	SW846 8290
Total HxCDF	2600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	710		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	82 J		pg	SW846 8290
Total HpCDF	1000		pg	SW846 8290
OCDF	130 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	74	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	59	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	78	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	76	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-11-2A

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-016
 Date Sampled....: 10/25/01
 Prep Date.....: 10/26/01
 Prep Batch #....: 1299507

Work Order #....: EMVK01AA
 Date Received...: 10/26/01
 Analysis Date...: 10/28/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	22		pg	SW846 8290
Total TCDD	3000		pg	SW846 8290
1,2,3,7,8-PeCDD	110		pg	SW846 8290
Total PeCDD	4700		pg	SW846 8290
1,2,3,4,7,8-HxCDD	92 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	170		pg	SW846 8290
1,2,3,7,8,9-HxCDD	170		pg	SW846 8290
Total HxCDD	6700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	600		pg	SW846 8290
Total HpCDD	1400		pg	SW846 8290
OCDD	710		pg	SW846 8290
2,3,7,8-TCDF	140 CON		pg	SW846 8290
Total TCDF	2600		pg	SW846 8290
1,2,3,7,8-PeCDF	250		pg	SW846 8290
2,3,4,7,8-PeCDF	300		pg	SW846 8290
Total PeCDF	3300		pg	SW846 8290
1,2,3,4,7,8-HxCDF	330		pg	SW846 8290
1,2,3,6,7,8-HxCDF	260		pg	SW846 8290
2,3,4,6,7,8-HxCDF	230		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	26	pg	SW846 8290
Total HxCDF	2500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	690		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	100		pg	SW846 8290
Total HpCDF	1200		pg	SW846 8290
OCDF	380		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	89	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-1A

Trace Level Organic Compounds

Lot-Sample #...: G1J260165-017
 Date Sampled...: 10/25/01
 Prep Date...: 10/26/01
 Prep Batch #...: 1299507

Work Order #...: EMVK41AA
 Date Received...: 10/26/01
 Analysis Date...: 10/28/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	39		pg	SW846 8290
Total TCDD	6900		pg	SW846 8290
1,2,3,7,8-PeCDD	120		pg	SW846 8290
Total PeCDD	6500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	87 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	150		pg	SW846 8290
1,2,3,7,8,9-HxCDD	140		pg	SW846 8290
Total HxCDD	5800		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	640		pg	SW846 8290
Total HpCDD	1400		pg	SW846 8290
OCDD	1900		pg	SW846 8290
2,3,7,8-TCDF	260 CON		pg	SW846 8290
Total TCDF	5800		pg	SW846 8290
1,2,3,7,8-PeCDF	280		pg	SW846 8290
2,3,4,7,8-PeCDF	370		pg	SW846 8290
Total PeCDF	4500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	320		pg	SW846 8290
1,2,3,6,7,8-HxCDF	230		pg	SW846 8290
2,3,4,6,7,8-HxCDF	210		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	26	pg	SW846 8290
Total HxCDF	2200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	750		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	110		pg	SW846 8290
Total HpCDF	1200		pg	SW846 8290
OCDF	640		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	86	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-2A

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-018
 Date Sampled....: 10/25/01
 Prep Date.....: 10/26/01
 Prep Batch #....: 1299507

Work Order #....: EMVK71AA
 Date Received...: 10/26/01
 Analysis Date...: 10/28/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.3	pg	SW846 8290
Total TCDD	45		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	3.5	pg	SW846 8290
Total PeCDD	ND	39	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.1	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	4.2	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	8.1	pg	SW846 8290
Total HxCDD	120		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	26	pg	SW846 8290
Total HpCDD	ND	34	pg	SW846 8290
OCDD	ND	61	pg	SW846 8290
2,3,7,8-TCDF	ND CON	8.5	pg	SW846 8290
Total TCDF	16		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	3.6	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	5.2	pg	SW846 8290
Total PeCDF	ND	17	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	7.8	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	6.8	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	4.7	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.3	pg	SW846 8290
Total HxCDF	ND	21	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	32	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.1	pg	SW846 8290
Total HpCDF	ND	32	pg	SW846 8290
OCDF	ND	22	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	95	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	92	(40 - 135)
13C-1,2,3,7,8-PeCDF	94	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	99	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: FB-2

Trace Level Organic Compounds

Lot-Sample #....: G1J260165-019
 Date Sampled....: 10/25/01
 Prep Date.....: 10/26/01
 Prep Batch #....: 1299507

Work Order #....: EMVK81AA
 Date Received...: 10/26/01
 Analysis Date...: 10/28/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.3	pg	SW846 8290
Total TCDD	ND	2.3	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	4.1	pg	SW846 8290
Total PeCDD	ND	4.1	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.0	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	1.9	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.8	pg	SW846 8290
Total HxCDD	ND	2.4	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.94	pg	SW846 8290
Total HpCDD	ND	0.94	pg	SW846 8290
OCDD	ND	3.3	pg	SW846 8290
2,3,7,8-TCDF	ND	5.5	pg	SW846 8290
Total TCDF	ND	5.5	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	2.2	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	2.2	pg	SW846 8290
Total PeCDF	ND	3.3	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.1	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.0	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.2	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.2	pg	SW846 8290
Total HxCDF	ND	1.2	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.8	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.2	pg	SW846 8290
Total HpCDF	ND	1.8	pg	SW846 8290
OCDF	ND	3.8	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	85	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	92	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	96	(40 - 135)

QC DATA ASSOCIATION SUMMARY

G1J260165

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1299507	
002	WIPE	SW846 8290		1299507	
003	SOLID	SW846 8290		1299419	
004	WIPE	SW846 8290		1299507	
005	WIPE	SW846 8290		1299507	
006	WIPE	SW846 8290		1299507	
007	WIPE	SW846 8290		1299507	
008	WIPE	SW846 8290		1299507	
009	WIPE	SW846 8290		1299507	
010	WIPE	SW846 8290		1299507	
011	WIPE	SW846 8290		1299507	
012	WIPE	SW846 8290		1299507	
013	WIPE	SW846 8290		1299507	
014	WIPE	SW846 8290		1299507	
015	WIPE	SW846 8290		1299507	
016	WIPE	SW846 8290		1299507	
017	WIPE	SW846 8290		1299507	
018	WIPE	SW846 8290		1299507	
019	WIPE	SW846 8290		1299507	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J260165
 MB Lot-Sample #: G1J260000-507

Work Order #...: EMW0K1AA

Matrix.....: WIPE

Analysis Date...: 10/27/01
 Dilution Factor: 1

Prep Date.....: 10/26/01
 Prep Batch #...: 1299507

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.8	pg	SW846 8290
Total TCDD	ND	3.8	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	7.5	pg	SW846 8290
Total PeCDD	ND	7.5	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	4.0	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	4.4	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	4.0	pg	SW846 8290
Total HxCDD	ND	4.4	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	4.6	pg	SW846 8290
Total HpCDD	ND	4.9	pg	SW846 8290
OCDD	ND	6.8	pg	SW846 8290
2,3,7,8-TCDF	ND	3.3	pg	SW846 8290
Total TCDF	ND	3.3	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	5.3	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	5.2	pg	SW846 8290
Total PeCDF	ND	5.4	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	3.2	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	3.0	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.3	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.6	pg	SW846 8290
Total HxCDF	ND	3.6	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	4.0	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.7	pg	SW846 8290
Total HpCDF	ND	4.7	pg	SW846 8290
OCDF	ND	4.7	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	74	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	75	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G1J260165 Work Order #....: EMWOK1AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J260000-507
 Prep Date.....: 10/26/01 Analysis Date...: 10/27/01
 Prep Batch #....: 1299507
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	216	pg	108	SW846 8290
1,2,3,7,8-PeCDD	1000	962	pg	96	SW846 8290
1,2,3,4,7,8-HxCDD	1000	926	pg	93	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1050	pg	105	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1120	pg	112	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1070	pg	107	SW846 8290
OCDD	2000	2240	pg	112	SW846 8290
2,3,7,8-TCDF	200	201	pg	101	SW846 8290
1,2,3,7,8-PeCDF	1000	1110	pg	111	SW846 8290
2,3,4,7,8-PeCDF	1000	1060	pg	106	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1100	pg	110	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1230	pg	123	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1260	pg	126	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1380	pg	138	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1060	pg	106	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1140	pg	114	SW846 8290
OCDF	2000	2190	pg	109	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	86	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	84	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G1J260165 Work Order #....: EMWOK1AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J260000-507
 Prep Date.....: 10/26/01 Analysis Date...: 10/27/01
 Prep Batch #....: 1299507
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	108	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDD	96	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDD	93	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDD	105	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDD	112	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDD	107	(50 - 150)	SW846 8290
OCDD	112	(50 - 150)	SW846 8290
2,3,7,8-TCDF	101	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDF	111	(50 - 150)	SW846 8290
2,3,4,7,8-PeCDF	106	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDF	110	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDF	123	(50 - 150)	SW846 8290
2,3,4,6,7,8-HxCDF	126	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDF	138	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDF	106	(50 - 150)	SW846 8290
1,2,3,4,7,8,9-HpCDF	114	(50 - 150)	SW846 8290
OCDF	109	(50 - 150)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	86	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	84	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500

Tel: 916 373 5600
Fax: 916 371 8420
www.stl-inc.com

November 3, 2001

STL SACRAMENTO PROJECT NUMBER: G1J270138
PO/CONTRACT:

Neil Feldscher
Emteque Corporation
505 8th Avenue Suite 900
New York, NY 10018

Dear Mr. Feldscher,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on October 27, 2001. These samples are associated with your 010496 project.

The test results in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in cursive script that reads "Karen M. Dahl".

Karen M. Dahl
Project Manager

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Method Blank Reports

Laboratory QC Reports

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G1J270138

General Comments

Sample D-9-06 was not received by the laboratory. Sample FB-1 was labeled FB-2.

SOLID, 8290, Dioxins/Furans

The 1,2,3,4,6,7,8-HpCDF result in sample D-12-10 has been flagged with a 'JA' qualifier due to a matrix interference that caused the ion ratios to be outside limits. The analyst believes the analyte to be present, but the quantitation is estimated since it is based on theoretical ratios.

WIPE, 8290, Dioxins/Furans

The 1,2,3,4,6,7,8-HpCDF results in samples D-12-06, D-12-10, & D-7-03 have been flagged with 'JA' qualifiers due to a matrix interference that caused the ion ratios to be outside limits. The analyst believes the analyte to be present, but the quantitation is estimated since it is based on theoretical ratios.

Sample D-12-10 shows a matrix related interference that causes the suppression of several peaks. The sample was analyzed at a dilution on another instrument and the original results were confirmed. The internal standard recoveries for 13C-OCDD & 13C-1,2,3,4,7,8-HxCDF are outside control limits. The results for 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, total HxCDF, & total HpCDD may be biased low. The results for 1,2,3,4,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, total HxCDD, 1,2,3,4,7,8,9-HpCDF, & total HpCDF may be biased high.

There were no other anomalies associated with this project.

**STL Sacramento
Quality Control Definitions**

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: STL Sacramento Laboratory Quality Manual

STL Sacramento Certifications:

Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (NELAP # 01119CA) (ELAP #I-2439), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 107407), Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613)..

Sample Summary G1J270138

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
EMX31	1	D-12-06	10/26/01	10/27/01 09:30 AM
EMX32	2	D-12-07	10/26/01	10/27/01 09:30 AM
EMX33	3	D-12-09	10/26/01	10/27/01 09:30 AM
EMX36	4	D-12-10	10/26/01	10/27/01 09:30 AM
EMX37	5	D-7-02	10/26/01	10/27/01 09:30 AM
EMX4D	6	D-7-03	10/26/01	10/27/01 09:30 AM
EMX4F	7	D-7-04	10/26/01	10/27/01 09:30 AM
EMX4H	8	D-9-02	10/26/01	10/27/01 09:30 AM
EMX4J	9	D-9-03	10/26/01	10/27/01 09:30 AM
EMX4K	10	D-9-04	10/26/01	10/27/01 09:30 AM
EMX4M	11	D-9-05	10/26/01	10/27/01 09:30 AM
EMX4N	12	D-9-07	10/26/01	10/27/01 09:30 AM
EMX4P	13	D-9-08	10/26/01	10/27/01 09:30 AM
EMX4Q	14	D-9-09	10/26/01	10/27/01 09:30 AM
EMX4R	15	D-9-10	10/26/01	10/27/01 09:30 AM
EMX4T	16	D-11-02	10/26/01	10/27/01 09:30 AM
EMX4V	17	D-11-03	10/26/01	10/27/01 09:30 AM
EMX4W	18	D-11-04	10/26/01	10/27/01 09:30 AM
EMX4X	19	D-11-05	10/26/01	10/27/01 09:30 AM
EMX40	20	D-11-06	10/26/01	10/27/01 09:30 AM
EMX41	21	D-11-07	10/26/01	10/27/01 09:30 AM
EMX42	22	D-11-08	10/26/01	10/27/01 09:30 AM
EMX43	23	D-11-09	10/26/01	10/27/01 09:30 AM
EMX44	24	D-11-10	10/26/01	10/27/01 09:30 AM
EMX45	25	FB-1	10/26/01	10/27/01 09:30 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

SAMPLE LOG

EMTEQUE Corporation
505 Eighth Avenue, Suite 800
New York, New York 10018
Phone: (212) 631-9000
Fax: (212) 631-8086



EMTEQUE

PROJECT #: 010496 PROJECT SITE: 90 Church St. WORK AREA: 12 & 7-89

TECHNICIAN: JS/mf DATE: 10/26/01

PROJECT MGR.: W. Feldman TAT: Roh

FOR LABORATORY USE ONLY

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
D-12-06	Globe #12178	Wipe
D-12-07	12231	
D-12-09	North Side	
D-12-10	12044	
D-7-02	See Drawing for location	
D-7-03		
D-7-04		
D-9-02		
D-9-03		
D-9-04		
D-9-05		
D-9-06		
D-9-07		
D-9-08		
D-9-09		
RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>10/26/01</u> TIME: <u>1900</u>	RECEIVED BY: <u>[Signature]</u> DATE: <u>10-27-01</u> TIME: <u>940</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>10/26/01</u> TIME: <u>1900</u>	RECEIVED BY: <u>[Signature]</u> DATE: <u>10-27-01</u> TIME: <u>940</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>10/26/01</u> TIME: <u>1900</u>	RECEIVED BY: <u>[Signature]</u> DATE: <u>10-27-01</u> TIME: <u>940</u>

RECEIVED IN GOOD CONDITION UNDER COC
OCT 27 2001
INI: 10

x did not receive

EMTEQUE Corporation
505 Eighth Avenue, Suite 900
New York, New York 10018
Phone: (212) 631-8000
Fax: (212) 631-8086



INDEX

Page 4 of 4

SAMPLE LOG

PROJECT #: 010496
PROJECT SITE: 96 Chub
WORK AREA: 9 & 11

TECHNICIAN: NF/PT DATE: 11/26/67

PROJECT MGR.: Nickeldor
TAT: Nick

FOR LABORATORY USE ONLY

[illegible]

✓ 10/10/00 DB-2

**SEVERN
TRENT
SERVICES**

LOT RECEIPT CHECKLIST

STL Sacramento

CLIENT Emteque PM 10 LOG # 12170
 LOT# (QUANTIMS ID) G15270138 QUOTE# 44779 LOCATION W19E

DATE RECEIVED 10-27-01 TIME RECEIVED 930 Initials GP Date 10-27-01

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ STL COURIER ☐ B & B ☐ OTHER _____

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) ☐ STL ☒ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1 ☐ 2 ☒ ☐ OTHER _____

COC #(S) _____

TEMPERATURE BLANK _____

AMBIENT TEMPERATURE 6°

COLLECTOR'S NAME: ☐ Verified from COC ☒ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
WETCHEM ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☒ N/A

☒ Clouseau ☐ TEMPERATURE EXCEEDED (2 °-6 °C) ☐ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK

☒ PM NOTIFIED ☐ NO COOLING AGENTS USED

Notes:

Did not receive D-9-06

FB-1 labeled FB-2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
250AGBna																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
PB/PJ																				
PBn/PJn																				
500PB/PJ																				
500PBn/PJn																				
500PBna																				
500PBzn/na																				
250PB																				
250PBn																				
250PBna																				
250PBzn/na																				
CT																				
Encore																				
Folder/Filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

* Number of VOA's with air bubbles present / total number of VOA's

G1J270138

STL - Sacramento (916) 373 - 5600

7 of 47

SOLID, 8290, Dioxins/Furans

EMTEQUE CORPORATION

Client Sample ID: D-9-07

Trace Level Organic Compounds

Lot-Sample #....: GLJ270138-012 Work Order #....: EMX4N1AA Matrix.....: SOLID
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	70		pg/g	SW846 8290
Total TCDD	23000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	140		pg/g	SW846 8290
Total PeCDD	12000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	98		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	160		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	160		pg/g	SW846 8290
Total HxCDD	6800		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	630		pg/g	SW846 8290
Total HpCDD	1400		pg/g	SW846 8290
OCDD	2200		pg/g	SW846 8290
2,3,7,8-TCDF	490 CON		pg/g	SW846 8290
Total TCDF	19000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	400		pg/g	SW846 8290
2,3,4,7,8-PeCDF	530		pg/g	SW846 8290
Total PeCDF	8400		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	350		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	250		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	230		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	24 J		pg/g	SW846 8290
Total HxCDF	2800		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	660 JA		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	100		pg/g	SW846 8290
Total HpCDF	1100		pg/g	SW846 8290
OCDF	410		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	97	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	104	(40 - 135)
13C-OCDD	103	(40 - 135)
13C-2,3,7,8-TCDF	106	(40 - 135)
13C-1,2,3,7,8-PeCDF	104	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	108	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

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

EMTEQUE CORPORATION

Client Sample ID: D-9-08

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-013 Work Order #....: EMX4P1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

Matrix.....: SOLID

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	100		pg/g	SW846 8290
Total TCDD	37000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	260		pg/g	SW846 8290
Total PeCDD	20000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	150		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	260		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	250		pg/g	SW846 8290
Total HxCDD	11000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000		pg/g	SW846 8290
Total HpCDD	2300		pg/g	SW846 8290
OCDD	2700		pg/g	SW846 8290
2,3,7,8-TCDF	900 CON		pg/g	SW846 8290
Total TCDF	28000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	760		pg/g	SW846 8290
2,3,4,7,8-PeCDF	910		pg/g	SW846 8290
Total PeCDF	15000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	500		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	400		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	420		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	33		pg/g	SW846 8290
Total HxCDF	4400		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg/g	SW846 8290
Total HpCDF	1700		pg/g	SW846 8290
OCDF	600		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	67	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	96	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-09

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-023 Work Order #....: EMX431AA Matrix.....: SOLID
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	87		pg/g	SW846 8290
Total TCDD	26000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	200		pg/g	SW846 8290
Total PeCDD	17000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	110		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	200		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	190		pg/g	SW846 8290
Total HxCDD	7700		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	870		pg/g	SW846 8290
Total HpCDD	2000		pg/g	SW846 8290
OCDD	2900		pg/g	SW846 8290
2,3,7,8-TCDF	590 CON		pg/g	SW846 8290
Total TCDF	18000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	460		pg/g	SW846 8290
2,3,4,7,8-PeCDF	570		pg/g	SW846 8290
Total PeCDF	7700		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	360		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	330		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	360		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	92		pg/g	SW846 8290
Total HxCDF	3500		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	920		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	110		pg/g	SW846 8290
Total HpCDF	1500		pg/g	SW846 8290
OCDF	560		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	77	(40 - 135)
13C-OCDD	79	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	102	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	83	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1J270138

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1300163	
002	WIPE	SW846 8290		1300163	
003	WIPE	SW846 8290		1300163	
004	WIPE	SW846 8290		1300163	
005	WIPE	SW846 8290		1300163	
006	WIPE	SW846 8290		1300163	
007	WIPE	SW846 8290		1300163	
008	WIPE	SW846 8290		1300163	
009	WIPE	SW846 8290		1300163	
010	WIPE	SW846 8290		1300163	
011	WIPE	SW846 8290		1300163	
012	SOLID	SW846 8290		1300159	
013	SOLID	SW846 8290		1300159	
014	WIPE	SW846 8290		1300163	
015	WIPE	SW846 8290		1300163	
016	WIPE	SW846 8290		1300163	
017	WIPE	SW846 8290		1300163	
018	WIPE	SW846 8290		1300169	
019	WIPE	SW846 8290		1300169	
020	WIPE	SW846 8290		1300169	
021	WIPE	SW846 8290		1300169	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY**G1J270138****Sample Preparation and Analysis Control Numbers**

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	WIPE	SW846 8290		1300169	
023	SOLID	SW846 8290		1300159	
024	WIPE	SW846 8290		1300169	
025	WIPE	SW846 8290		1300169	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138
 MB Lot-Sample #: G1J270000-159

Work Order #...: EM0A41AA

Matrix.....: SOLID

Analysis Date...: 10/29/01
 Dilution Factor: 1

Prep Date.....: 10/27/01

Prep Batch #...: 1300159

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.40	pg/g	SW846 8290
Total TCDD	ND	0.40	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.70	pg/g	SW846 8290
Total PeCDD	ND	0.70	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.35	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.38	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.34	pg/g	SW846 8290
Total HxCDD	ND	0.38	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.41	pg/g	SW846 8290
Total HpCDD	ND	0.41	pg/g	SW846 8290
OCDD	ND	0.54	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.30	pg/g	SW846 8290
Total TCDF	ND	0.30	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.45	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.44	pg/g	SW846 8290
Total PeCDF	ND	0.52	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.23	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.22	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.24	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.26	pg/g	SW846 8290
Total HxCDF	ND	0.26	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.35	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.41	pg/g	SW846 8290
Total HpCDF	ND	0.41	pg/g	SW846 8290
OCDF	ND	0.87	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	84	(40 - 135)
13C-OCDD	100	(40 - 135)
13C-2,3,7,8-TCDF	78	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	84	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138 Work Order #...: EM0A41AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J270000-159
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300159
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	20.6	pg/g	103	SW846 8290
1,2,3,7,8-PeCDD	100	104	pg/g	104	SW846 8290
1,2,3,4,7,8-HxCDD	100	90.7	pg/g	91	SW846 8290
1,2,3,6,7,8-HxCDD	100	98.8	pg/g	99	SW846 8290
1,2,3,7,8,9-HxCDD	100	104	pg/g	104	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	92.4	pg/g	92	SW846 8290
OCDD	200	194	pg/g	97	SW846 8290
2,3,7,8-TCDF	20.0	19.4	pg/g	97	SW846 8290
1,2,3,7,8-PeCDF	100	99.9	pg/g	100	SW846 8290
2,3,4,7,8-PeCDF	100	104	pg/g	104	SW846 8290
1,2,3,4,7,8-HxCDF	100	97.4	pg/g	97	SW846 8290
1,2,3,6,7,8-HxCDF	100	102	pg/g	102	SW846 8290
2,3,4,6,7,8-HxCDF	100	108	pg/g	108	SW846 8290
1,2,3,7,8,9-HxCDF	100	109	pg/g	109	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	96.6	pg/g	97	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	98.0	pg/g	98	SW846 8290
OCDF	200	187	pg/g	93	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	53	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	57	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138 Work Order #...: EM0A41AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J270000-159
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300159
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	103	(60 - 141)	SW846 8290
1,2,3,7,8-PeCDD	104	(65 - 140)	SW846 8290
1,2,3,4,7,8-HxCDD	91	(52 - 152)	SW846 8290
1,2,3,6,7,8-HxCDD	99	(62 - 138)	SW846 8290
1,2,3,7,8,9-HxCDD	104	(58 - 147)	SW846 8290
1,2,3,4,6,7,8-HpCDD	92	(65 - 137)	SW846 8290
OCDD	97	(64 - 143)	SW846 8290
2,3,7,8-TCDF	97	(59 - 140)	SW846 8290
1,2,3,7,8-PeCDF	100	(64 - 140)	SW846 8290
2,3,4,7,8-PeCDF	104	(61 - 141)	SW846 8290
1,2,3,4,7,8-HxCDF	97	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDF	102	(60 - 138)	SW846 8290
2,3,4,6,7,8-HxCDF	108	(65 - 148)	SW846 8290
1,2,3,7,8,9-HxCDF	109	(59 - 146)	SW846 8290
1,2,3,4,6,7,8-HpCDF	97	(64 - 138)	SW846 8290
1,2,3,4,7,8,9-HpCDF	98	(58 - 145)	SW846 8290
OCDF	93	(58 - 145)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	53	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	57	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WIPE, 8290, Dioxins/Furans

EMTEQUE CORPORATION

Client Sample ID: D-12-06

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-001 Work Order #....: EMX311AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	29		pg	SW846 8290
Total TCDD	5200		pg	SW846 8290
1,2,3,7,8-PeCDD	200		pg	SW846 8290
Total PeCDD	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	200		pg	SW846 8290
1,2,3,6,7,8-HxCDD	270		pg	SW846 8290
1,2,3,7,8,9-HxCDD	390		pg	SW846 8290
Total HxCDD	13000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	920		pg	SW846 8290
Total HpCDD	2800		pg	SW846 8290
OCDD	1100		pg	SW846 8290
2,3,7,8-TCDF	260 CON		pg	SW846 8290
Total TCDF	6000		pg	SW846 8290
1,2,3,7,8-PeCDF	420		pg	SW846 8290
2,3,4,7,8-PeCDF	680		pg	SW846 8290
Total PeCDF	7900		pg	SW846 8290
1,2,3,4,7,8-HxCDF	500		pg	SW846 8290
1,2,3,6,7,8-HxCDF	230		pg	SW846 8290
2,3,4,6,7,8-HxCDF	220		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	37	pg	SW846 8290
Total HxCDF	3900		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	930 JA		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg	SW846 8290
Total HpCDF	1700		pg	SW846 8290
OCDF	370		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	56	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	72	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	69	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	66	(40 - 135)

NOTE(S):

CON Confirmation analysis.

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

EMTEQUE CORPORATION

Client Sample ID: D-12-07

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-002 Work Order #...: EMX321AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	15 J		pg	SW846 8290
Total TCDD	2600		pg	SW846 8290
1,2,3,7,8-PeCDD	72 J		pg	SW846 8290
Total PeCDD	4100		pg	SW846 8290
1,2,3,4,7,8-HxCDD	65 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	92 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	120		pg	SW846 8290
Total HxCDD	4300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	390		pg	SW846 8290
Total HpCDD	1000		pg	SW846 8290
OCDD	520		pg	SW846 8290
2,3,7,8-TCDF	100 CON		pg	SW846 8290
Total TCDF	2600		pg	SW846 8290
1,2,3,7,8-PeCDF	180		pg	SW846 8290
2,3,4,7,8-PeCDF	220		pg	SW846 8290
Total PeCDF	2800		pg	SW846 8290
1,2,3,4,7,8-HxCDF	220		pg	SW846 8290
1,2,3,6,7,8-HxCDF	120		pg	SW846 8290
2,3,4,6,7,8-HxCDF	120		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	15	pg	SW846 8290
Total HxCDF	1400		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	420		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	52 J		pg	SW846 8290
Total HpCDF	660		pg	SW846 8290
OCDF	180 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	97	(40 - 135)
13C-OCDD	113	(40 - 135)
13C-2,3,7,8-TCDF	91	(40 - 135)
13C-1,2,3,7,8-PeCDF	81	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	93	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-09

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-003 Work Order #....: EMX331AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.7	pg	SW846 8290
Total TCDD	280		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	12	pg	SW846 8290
Total PeCDD	680		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	19	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	26	pg	SW846 8290
1,2,3,7,8,9-HxCDD	53 J		pg	SW846 8290
Total HxCDD	1300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	120		pg	SW846 8290
Total HpCDD	350		pg	SW846 8290
OCDD	170 J		pg	SW846 8290
2,3,7,8-TCDF	12 J, CON		pg	SW846 8290
Total TCDF	260		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	30	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	49	pg	SW846 8290
Total PeCDF	290		pg	SW846 8290
1,2,3,4,7,8-HxCDF	57 J		pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	31	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	32	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.8	pg	SW846 8290
Total HxCDF	240		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	140		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	12	pg	SW846 8290
Total HpCDF	140		pg	SW846 8290
OCDF	ND	53	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	65	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	98	(40 - 135)
13C-OCDD	122	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	59	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	101	(40 - 135)

NOTE (S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-10

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-004 Work Order #....: EMX361AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.6	pg	SW846 8290
Total TCDD	590		pg	SW846 8290
1,2,3,7,8-PeCDD	72 J		pg	SW846 8290
Total PeCDD	3600		pg	SW846 8290
1,2,3,4,7,8-HxCDD	120		pg	SW846 8290
1,2,3,6,7,8-HxCDD	130		pg	SW846 8290
1,2,3,7,8,9-HxCDD	220		pg	SW846 8290
Total HxCDD	7700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	430		pg	SW846 8290
Total HpCDD	1500		pg	SW846 8290
OCDD	440		pg	SW846 8290
2,3,7,8-TCDF	38 CON		pg	SW846 8290
Total TCDF	510		pg	SW846 8290
1,2,3,7,8-PeCDF	100		pg	SW846 8290
2,3,4,7,8-PeCDF	210		pg	SW846 8290
Total PeCDF	1700		pg	SW846 8290
1,2,3,4,7,8-HxCDF	230		pg	SW846 8290
1,2,3,6,7,8-HxCDF	55 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	61 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg	SW846 8290
Total HxCDF	1200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	380 JA		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	79 J		pg	SW846 8290
Total HpCDF	780		pg	SW846 8290
OCDF	180 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	66	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	73	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	106	(40 - 135)
13C-OCDD	173 *	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	56	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	137 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

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

* Surrogate recovery is outside stated control limits.

EMTEQUE CORPORATION

Client Sample ID: D-7-02

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-005 Work Order #...: EMX371AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	9.1	pg	SW846 8290
Total TCDD	2800		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	36	pg	SW846 8290
Total PeCDD	1900		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	42	pg	SW846 8290
1,2,3,6,7,8-HxCDD	67 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	76 J		pg	SW846 8290
Total HxCDD	2500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	440		pg	SW846 8290
Total HpCDD	1100		pg	SW846 8290
OCDD	920		pg	SW846 8290
2,3,7,8-TCDF	60 CON		pg	SW846 8290
Total TCDF	2000		pg	SW846 8290
1,2,3,7,8-PeCDF	84 J		pg	SW846 8290
2,3,4,7,8-PeCDF	110		pg	SW846 8290
Total PeCDF	1300		pg	SW846 8290
1,2,3,4,7,8-HxCDF	120		pg	SW846 8290
1,2,3,6,7,8-HxCDF	63 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	80 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	8.0	pg	SW846 8290
Total HxCDF	690		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	370		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	50 J		pg	SW846 8290
Total HpCDF	580		pg	SW846 8290
OCDF	200		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	(40 - 135)
13C-1,2,3,7,8-PeCDD	95	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	109	(40 - 135)
13C-2,3,7,8-TCDF	105	(40 - 135)
13C-1,2,3,7,8-PeCDF	98	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-7-03

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-006 Work Order #....: EMX4D1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.2	pg	SW846 8290
Total TCDD	2000		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	24	pg	SW846 8290
Total PeCDD	1200		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	15	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	23	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	44	pg	SW846 8290
Total HxCDD	1000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	140		pg	SW846 8290
Total HpCDD	310		pg	SW846 8290
OCDD	340		pg	SW846 8290
2,3,7,8-TCDF	40 CON		pg	SW846 8290
Total TCDF	1400		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	47	pg	SW846 8290
2,3,4,7,8-PeCDF	62 J		pg	SW846 8290
Total PeCDF	680		pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	40	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	33	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	30	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.5	pg	SW846 8290
Total HxCDF	210		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	110 JA		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	13	pg	SW846 8290
Total HpCDF	110		pg	SW846 8290
OCDF	ND	70	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	(40 - 135)
13C-1,2,3,7,8-PeCDD	91	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	97	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	95	(40 - 135)
13C-1,2,3,7,8-PeCDF	96	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	105	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

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

EMTEQUE CORPORATION

Client Sample ID: D-7-04

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-007 Work Order #....: EMX4F1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.6	pg	SW846 8290
Total TCDD	35		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	4.4	pg	SW846 8290
Total PeCDD	ND	27	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.0	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.9	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	3.8	pg	SW846 8290
Total HxCDD	70		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	27	pg	SW846 8290
Total HpCDD	ND	31	pg	SW846 8290
OCDD	140 J		pg	SW846 8290
2,3,7,8-TCDF	ND CON	2.6	pg	SW846 8290
Total TCDF	13		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	3.9	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	3.9	pg	SW846 8290
Total PeCDF	ND	11	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	8.2	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.7	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.9	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.6	pg	SW846 8290
Total HxCDF	ND	10	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	15	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.0	pg	SW846 8290
Total HpCDF	ND	15	pg	SW846 8290
OCDF	ND	17	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	109	(40 - 135)
13C-2,3,7,8-TCDF	95	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	100	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-02

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-008 Work Order #....: EMX4H1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	19 J		pg	SW846 8290
Total TCDD	3000		pg	SW846 8290
1,2,3,7,8-PeCDD	100		pg	SW846 8290
Total PeCDD	6500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	76 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg	SW846 8290
1,2,3,7,8,9-HxCDD	130		pg	SW846 8290
Total HxCDD	5300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	380		pg	SW846 8290
Total HpCDD	920		pg	SW846 8290
OCDD	480		pg	SW846 8290
2,3,7,8-TCDF	100 CON		pg	SW846 8290
Total TCDF	2300		pg	SW846 8290
1,2,3,7,8-PeCDF	200		pg	SW846 8290
2,3,4,7,8-PeCDF	300		pg	SW846 8290
Total PeCDF	3500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	250		pg	SW846 8290
1,2,3,6,7,8-HxCDF	150		pg	SW846 8290
2,3,4,6,7,8-HxCDF	130		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg	SW846 8290
Total HxCDF	1500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	360		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	46	pg	SW846 8290
Total HpCDF	510		pg	SW846 8290
OCDF	140 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	(40 - 135)
13C-1,2,3,7,8-PeCDD	86	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	99	(40 - 135)
13C-OCDD	105	(40 - 135)
13C-2,3,7,8-TCDF	94	(40 - 135)
13C-1,2,3,7,8-PeCDF	92	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	110	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-03

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-009 Work Order #....: EMX4J1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.6	pg	SW846 8290
Total TCDD	1100		pg	SW846 8290
1,2,3,7,8-PeCDD	69 J		pg	SW846 8290
Total PeCDD	3900		pg	SW846 8290
1,2,3,4,7,8-HxCDD	62 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg	SW846 8290
1,2,3,7,8,9-HxCDD	110		pg	SW846 8290
Total HxCDD	4200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	370		pg	SW846 8290
Total HpCDD	880		pg	SW846 8290
OCDD	350		pg	SW846 8290
2,3,7,8-TCDF	51 CON		pg	SW846 8290
Total TCDF	1100		pg	SW846 8290
1,2,3,7,8-PeCDF	120		pg	SW846 8290
2,3,4,7,8-PeCDF	210		pg	SW846 8290
Total PeCDF	2000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	200		pg	SW846 8290
1,2,3,6,7,8-HxCDF	130		pg	SW846 8290
2,3,4,6,7,8-HxCDF	110		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg	SW846 8290
Total HxCDF	1200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	310		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	42	pg	SW846 8290
Total HpCDF	430		pg	SW846 8290
OCDF	130 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	95	(40 - 135)
13C-OCDD	102	(40 - 135)
13C-2,3,7,8-TCDF	92	(40 - 135)
13C-1,2,3,7,8-PeCDF	89	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	109	(40 - 135)

NOTE (S) :

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-04

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-010 Work Order #...: EMX4K1AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	38		pg	SW846 8290
Total TCDD	8000		pg	SW846 8290
1,2,3,7,8-PeCDD	210		pg	SW846 8290
Total PeCDD	13000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	110		pg	SW846 8290
1,2,3,6,7,8-HxCDD	240		pg	SW846 8290
1,2,3,7,8,9-HxCDD	170		pg	SW846 8290
Total HxCDD	9800		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	910		pg	SW846 8290
Total HpCDD	1600		pg	SW846 8290
OCDD	1100		pg	SW846 8290
2,3,7,8-TCDF	200 CON		pg	SW846 8290
Total TCDF	6300		pg	SW846 8290
1,2,3,7,8-PeCDF	390		pg	SW846 8290
2,3,4,7,8-PeCDF	580		pg	SW846 8290
Total PeCDF	7400		pg	SW846 8290
1,2,3,4,7,8-HxCDF	480		pg	SW846 8290
1,2,3,6,7,8-HxCDF	620		pg	SW846 8290
2,3,4,6,7,8-HxCDF	560		pg	SW846 8290
1,2,3,7,8,9-HxCDF	50 J		pg	SW846 8290
Total HxCDF	5000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	920		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	84 J		pg	SW846 8290
Total HpCDF	1200		pg	SW846 8290
OCDF	350		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	98	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	81	(40 - 135)
13C-OCDD	56	(40 - 135)
13C-2,3,7,8-TCDF	103	(40 - 135)
13C-1,2,3,7,8-PeCDF	126	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	55	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	101	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-9-05

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-011 Work Order #....: EMX4M1AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	51		pg	SW846 8290
Total TCDD	9600		pg	SW846 8290
1,2,3,7,8-PeCDD	250		pg	SW846 8290
Total PeCDD	19000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	200		pg	SW846 8290
1,2,3,6,7,8-HxCDD	260		pg	SW846 8290
1,2,3,7,8,9-HxCDD	310		pg	SW846 8290
Total HxCDD	13000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	890		pg	SW846 8290
Total HpCDD	2500		pg	SW846 8290
OCDD	930		pg	SW846 8290
2,3,7,8-TCDF	340 CON		pg	SW846 8290
Total TCDF	7600		pg	SW846 8290
1,2,3,7,8-PeCDF	560		pg	SW846 8290
2,3,4,7,8-PeCDF	850		pg	SW846 8290
Total PeCDF	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	560		pg	SW846 8290
1,2,3,6,7,8-HxCDF	230		pg	SW846 8290
2,3,4,6,7,8-HxCDF	220		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	27	pg	SW846 8290
Total HxCDF	3800		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	850		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg	SW846 8290
Total HpCDF	1500		pg	SW846 8290
OCDF	380		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	125	(40 - 135)
13C-2,3,7,8-TCDF	83	(40 - 135)
13C-1,2,3,7,8-PeCDF	76	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	116	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-09

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-014 Work Order #...: EMX4Q1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	27		pg	SW846 8290
Total TCDD	4200		pg	SW846 8290
1,2,3,7,8-PeCDD	120		pg	SW846 8290
Total PeCDD	6900		pg	SW846 8290
1,2,3,4,7,8-HxCDD	85 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	120		pg	SW846 8290
1,2,3,7,8,9-HxCDD	130		pg	SW846 8290
Total HxCDD	5600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	350		pg	SW846 8290
Total HpCDD	1000		pg	SW846 8290
OCDD	400		pg	SW846 8290
2,3,7,8-TCDF	140 CON		pg	SW846 8290
Total TCDF	2900		pg	SW846 8290
1,2,3,7,8-PeCDF	230		pg	SW846 8290
2,3,4,7,8-PeCDF	310		pg	SW846 8290
Total PeCDF	3600		pg	SW846 8290
1,2,3,4,7,8-HxCDF	250		pg	SW846 8290
1,2,3,6,7,8-HxCDF	86 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	85 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg	SW846 8290
Total HxCDF	1300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	350		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	65 J		pg	SW846 8290
Total HpCDF	600		pg	SW846 8290
OCDF	130 J		pg	SW846 8290

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	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	116	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	102	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	84	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-9-10

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-015 Work Order #....: EMX4R1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	6.9	pg	SW846 8290
Total TCDD	1100		pg	SW846 8290
1,2,3,7,8-PeCDD	62 J		pg	SW846 8290
Total PeCDD	4000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	45	pg	SW846 8290
1,2,3,6,7,8-HxCDD	83 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	78 J		pg	SW846 8290
Total HxCDD	3200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	240		pg	SW846 8290
Total HpCDD	620		pg	SW846 8290
OCDD	260		pg	SW846 8290
2,3,7,8-TCDF	38 CON		pg	SW846 8290
Total TCDF	790		pg	SW846 8290
1,2,3,7,8-PeCDF	74 J		pg	SW846 8290
2,3,4,7,8-PeCDF	150		pg	SW846 8290
Total PeCDF	1500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	140		pg	SW846 8290
1,2,3,6,7,8-HxCDF	90 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	110		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg	SW846 8290
Total HxCDF	850		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	220		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	18	pg	SW846 8290
Total HpCDF	220		pg	SW846 8290
OCDF	ND	90	pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	91	(40 - 135)		
13C-1,2,3,7,8-PeCDD	87	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)		
13C-OCDD	81	(40 - 135)		
13C-2,3,7,8-TCDF	97	(40 - 135)		
13C-1,2,3,7,8-PeCDF	95	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)		

NOTE(S) :

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-02

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-016 Work Order #...: EMX4T1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date...: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	11 J		pg	SW846 8290
Total TCDD	1300		pg	SW846 8290
1,2,3,7,8-PeCDD	86 J		pg	SW846 8290
Total PeCDD	4700		pg	SW846 8290
1,2,3,4,7,8-HxCDD	65 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg	SW846 8290
1,2,3,7,8,9-HxCDD	100 J		pg	SW846 8290
Total HxCDD	4200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	320		pg	SW846 8290
Total HpCDD	810		pg	SW846 8290
OCDD	320		pg	SW846 8290
2,3,7,8-TCDF	54 CON		pg	SW846 8290
Total TCDF	930		pg	SW846 8290
1,2,3,7,8-PeCDF	110		pg	SW846 8290
2,3,4,7,8-PeCDF	180		pg	SW846 8290
Total PeCDF	1900		pg	SW846 8290
1,2,3,4,7,8-HxCDF	160		pg	SW846 8290
1,2,3,6,7,8-HxCDF	120		pg	SW846 8290
2,3,4,6,7,8-HxCDF	110		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	20	pg	SW846 8290
Total HxCDF	1000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	270		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	22	pg	SW846 8290
Total HpCDF	330		pg	SW846 8290
OCDF	ND	88	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	74	(40 - 135)
13C-OCDD	71	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-03

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-017 Work Order #....: EMX4V1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	8.1	pg	SW846 8290
Total TCDD	800		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	45	pg	SW846 8290
Total PeCDD	2000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	29	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	41	pg	SW846 8290
1,2,3,7,8,9-HxCDD	78 J		pg	SW846 8290
Total HxCDD	1800		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	150		pg	SW846 8290
Total HpCDD	400		pg	SW846 8290
OCDD	160 J		pg	SW846 8290
2,3,7,8-TCDF	27 CON		pg	SW846 8290
Total TCDF	630		pg	SW846 8290
1,2,3,7,8-PeCDF	53 J		pg	SW846 8290
2,3,4,7,8-PeCDF	85 J		pg	SW846 8290
Total PeCDF	760		pg	SW846 8290
1,2,3,4,7,8-HxCDF	76 J		pg	SW846 8290
1,2,3,6,7,8-HxCDF	65 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	65 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	15	pg	SW846 8290
Total HxCDF	540		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	140		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	15	pg	SW846 8290
Total HpCDF	140		pg	SW846 8290
OCDF	ND	57	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	72	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	92	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE (S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-04

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-018 Work Order #....: EMX4W1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300169
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	54		pg	SW846 8290
Total TCDD	10000		pg	SW846 8290
1,2,3,7,8-PeCDD	190		pg	SW846 8290
Total PeCDD	14000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	130		pg	SW846 8290
1,2,3,6,7,8-HxCDD	260		pg	SW846 8290
1,2,3,7,8,9-HxCDD	240		pg	SW846 8290
Total HxCDD	9500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	880		pg	SW846 8290
Total HpCDD	2100		pg	SW846 8290
OCDD	1000		pg	SW846 8290
2,3,7,8-TCDF	290 CON		pg	SW846 8290
Total TCDF	7700		pg	SW846 8290
1,2,3,7,8-PeCDF	440		pg	SW846 8290
2,3,4,7,8-PeCDF	580		pg	SW846 8290
Total PeCDF	8200		pg	SW846 8290
1,2,3,4,7,8-HxCDF	430		pg	SW846 8290
1,2,3,6,7,8-HxCDF	400		pg	SW846 8290
2,3,4,6,7,8-HxCDF	370		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	31	pg	SW846 8290
Total HxCDF	4400		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	920		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	140		pg	SW846 8290
Total HpCDF	1600		pg	SW846 8290
OCDF	550		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	77	(40 - 135)
13C-OCDD	73	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-05

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-019 Work Order #...: EMX4X1AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300169
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	19 J		pg	SW846 8290
Total TCDD	3200		pg	SW846 8290
1,2,3,7,8-PeCDD	180		pg	SW846 8290
Total PeCDD	12000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	140		pg	SW846 8290
1,2,3,6,7,8-HxCDD	260		pg	SW846 8290
1,2,3,7,8,9-HxCDD	240		pg	SW846 8290
Total HxCDD	11000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	740		pg	SW846 8290
Total HpCDD	1900		pg	SW846 8290
OCDD	700		pg	SW846 8290
2,3,7,8-TCDF	94 CON		pg	SW846 8290
Total TCDF	2200		pg	SW846 8290
1,2,3,7,8-PeCDF	230		pg	SW846 8290
2,3,4,7,8-PeCDF	440		pg	SW846 8290
Total PeCDF	4500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	370		pg	SW846 8290
1,2,3,6,7,8-HxCDF	320		pg	SW846 8290
2,3,4,6,7,8-HxCDF	320		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	21	pg	SW846 8290
Total HxCDF	3200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	680		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	74 J		pg	SW846 8290
Total HpCDF	1000		pg	SW846 8290
OCDF	260		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	(40 - 135)
13C-1,2,3,7,8-PeCDD	87	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	89	(40 - 135)
13C-OCDD	81	(40 - 135)
13C-2,3,7,8-TCDF	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	103	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-06

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-020 Work Order #....: EMX401AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300169
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	19 J		pg	SW846 8290
Total TCDD	3400		pg	SW846 8290
1,2,3,7,8-PeCDD	150		pg	SW846 8290
Total PeCDD	10000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	100		pg	SW846 8290
1,2,3,6,7,8-HxCDD	190		pg	SW846 8290
1,2,3,7,8,9-HxCDD	130		pg	SW846 8290
Total HxCDD	7500		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	520		pg	SW846 8290
Total HpCDD	1400		pg	SW846 8290
OCDD	500		pg	SW846 8290
2,3,7,8-TCDF	89 CON		pg	SW846 8290
Total TCDF	2200		pg	SW846 8290
1,2,3,7,8-PeCDF	220		pg	SW846 8290
2,3,4,7,8-PeCDF	320		pg	SW846 8290
Total PeCDF	4000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	300		pg	SW846 8290
1,2,3,6,7,8-HxCDF	230		pg	SW846 8290
2,3,4,6,7,8-HxCDF	190		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	28	pg	SW846 8290
Total HxCDF	2200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	490		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	54 J		pg	SW846 8290
Total HpCDF	710		pg	SW846 8290
OCDF	120 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	50	(40 - 135)
13C-1,2,3,7,8-PeCDD	49	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	48	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	48	(40 - 135)
13C-OCDD	46	(40 - 135)
13C-2,3,7,8-TCDF	53	(40 - 135)
13C-1,2,3,7,8-PeCDF	58	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	52	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	54	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-07

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-021 Work Order #....: EMX411AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300169
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	87		pg	SW846 8290
Total TCDD	18000		pg	SW846 8290
1,2,3,7,8-PeCDD	320		pg	SW846 8290
Total PeCDD	26000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	150		pg	SW846 8290
1,2,3,6,7,8-HxCDD	280		pg	SW846 8290
1,2,3,7,8,9-HxCDD	200		pg	SW846 8290
Total HxCDD	13000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	880		pg	SW846 8290
Total HpCDD	2200		pg	SW846 8290
OCDD	1200		pg	SW846 8290
2,3,7,8-TCDF	480 CON		pg	SW846 8290
Total TCDF	11000		pg	SW846 8290
1,2,3,7,8-PeCDF	560		pg	SW846 8290
2,3,4,7,8-PeCDF	760		pg	SW846 8290
Total PeCDF	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	410		pg	SW846 8290
1,2,3,6,7,8-HxCDF	420		pg	SW846 8290
2,3,4,6,7,8-HxCDF	350		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	19	pg	SW846 8290
Total HxCDF	4100		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	770		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	91 J		pg	SW846 8290
Total HpCDF	1200		pg	SW846 8290
OCDF	320		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	83	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	100	(40 - 135)
13C-1,2,3,7,8-PeCDF	101	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-11-08

Trace Level Organic Compounds

Lot-Sample #...: G1J270138-022 Work Order #...: EMX421AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300169
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	15 J		pg	SW846 8290
Total TCDD	1800		pg	SW846 8290
1,2,3,7,8-PeCDD	81 J		pg	SW846 8290
Total PeCDD	5200		pg	SW846 8290
1,2,3,4,7,8-HxCDD	57 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	99 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	79 J		pg	SW846 8290
Total HxCDD	4200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	290		pg	SW846 8290
Total HpCDD	760		pg	SW846 8290
OCDD	280		pg	SW846 8290
2,3,7,8-TCDF	60 CON		pg	SW846 8290
Total TCDF	1300		pg	SW846 8290
1,2,3,7,8-PeCDF	110		pg	SW846 8290
2,3,4,7,8-PeCDF	180		pg	SW846 8290
Total PeCDF	2000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	140		pg	SW846 8290
1,2,3,6,7,8-HxCDF	110		pg	SW846 8290
2,3,4,6,7,8-HxCDF	98 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg	SW846 8290
Total HxCDF	980		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	270		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	25	pg	SW846 8290
Total HpCDF	270		pg	SW846 8290
OCDF	ND	98	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	(40 - 135)
13C-1,2,3,7,8-PeCDD	92	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	104	(40 - 135)
13C-1,2,3,7,8-PeCDF	110	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	96	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-11-10

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-024 Work Order #....: EMX441AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300169
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	13	pg	SW846 8290
Total TCDD	1100		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	31	pg	SW846 8290
Total PeCDD	2200		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	24	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	35	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	36	pg	SW846 8290
Total HxCDD	1600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	140		pg	SW846 8290
Total HpCDD	350		pg	SW846 8290
OCDD	210		pg	SW846 8290
2,3,7,8-TCDF	24 CON		pg	SW846 8290
Total TCDF	650		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	47	pg	SW846 8290
2,3,4,7,8-PeCDF	73 J		pg	SW846 8290
Total PeCDF	790		pg	SW846 8290
1,2,3,4,7,8-HxCDF	72 J		pg	SW846 8290
1,2,3,6,7,8-HxCDF	57 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	54 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	16	pg	SW846 8290
Total HxCDF	490		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	120		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	13	pg	SW846 8290
Total HpCDF	120		pg	SW846 8290
OCDF	ND	40	pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	92	(40 - 135)		
13C-1,2,3,7,8-PeCDD	90	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	97	(40 - 135)		
13C-OCDD	90	(40 - 135)		
13C-2,3,7,8-TCDF	102	(40 - 135)		
13C-1,2,3,7,8-PeCDF	107	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	98	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	110	(40 - 135)		

NOTE(S) :

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: FB-1

Trace Level Organic Compounds

Lot-Sample #....: G1J270138-025 Work Order #....: EMX451AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300169
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.8	pg	SW846 8290
Total TCDD	ND	5.8	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	20	pg	SW846 8290
Total PeCDD	ND	20	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	13	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	13	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	12	pg	SW846 8290
Total HxCDD	ND	13	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	13	pg	SW846 8290
Total HpCDD	ND	13	pg	SW846 8290
OCDD	ND	15	pg	SW846 8290
2,3,7,8-TCDF	ND	7.0	pg	SW846 8290
Total TCDF	ND	7.0	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	12	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	11	pg	SW846 8290
Total PeCDF	ND	12	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	12	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	11	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	12	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg	SW846 8290
Total HxCDF	ND	13	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	7.2	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	8.7	pg	SW846 8290
Total HpCDF	ND	8.7	pg	SW846 8290
OCDF	ND	21	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	89	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	122	(40 - 135)
13C-OCDD	90	(40 - 135)
13C-2,3,7,8-TCDF	104	(40 - 135)
13C-1,2,3,7,8-PeCDF	107	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	116	(40 - 135)

QC DATA ASSOCIATION SUMMARY

G1J270138

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1300163	
002	WIPE	SW846 8290		1300163	
003	WIPE	SW846 8290		1300163	
004	WIPE	SW846 8290		1300163	
005	WIPE	SW846 8290		1300163	
006	WIPE	SW846 8290		1300163	
007	WIPE	SW846 8290		1300163	
008	WIPE	SW846 8290		1300163	
009	WIPE	SW846 8290		1300163	
010	WIPE	SW846 8290		1300163	
011	WIPE	SW846 8290		1300163	
012	SOLID	SW846 8290		1300159	
013	SOLID	SW846 8290		1300159	
014	WIPE	SW846 8290		1300163	
015	WIPE	SW846 8290		1300163	
016	WIPE	SW846 8290		1300163	
017	WIPE	SW846 8290		1300163	
018	WIPE	SW846 8290		1300169	
019	WIPE	SW846 8290		1300169	
020	WIPE	SW846 8290		1300169	
021	WIPE	SW846 8290		1300169	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G1J270138

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	WIPE	SW846 8290		1300169	
023	SOLID	SW846 8290		1300159	
024	WIPE	SW846 8290		1300169	
025	WIPE	SW846 8290		1300169	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138
 MB Lot-Sample #: G1J270000-163

Work Order #...: EM0F81AA

Matrix.....: WIPE

Analysis Date...: 10/28/01
 Dilution Factor: 1

Prep Date.....: 10/27/01
 Prep Batch #...: 1300163

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.1	pg	SW846 8290
Total TCDD	ND	3.1	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	4.5	pg	SW846 8290
Total PeCDD	ND	4.5	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.3	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.2	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.2	pg	SW846 8290
Total HxCDD	ND	2.3	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.1	pg	SW846 8290
Total HpCDD	ND	1.1	pg	SW846 8290
OCDD	ND	3.5	pg	SW846 8290
2,3,7,8-TCDF	ND	6.7	pg	SW846 8290
Total TCDF	ND	6.7	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	3.1	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	3.1	pg	SW846 8290
Total PeCDF	ND	4.3	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.0	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.98	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.1	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.2	pg	SW846 8290
Total HxCDF	ND	1.2	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.1	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.3	pg	SW846 8290
Total HpCDF	ND	1.3	pg	SW846 8290
OCDF	ND	2.7	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	85	(40 - 135)
13C-OCDD	85	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	81	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138
 MB Lot-Sample #: G1J270000-169

Work Order #...: EM0GX1AA

Matrix.....: WIPE

Analysis Date...: 10/29/01
 Dilution Factor: 1

Prep Date.....: 10/27/01
 Prep Batch #...: 1300169

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	8.8	pg	SW846 8290
Total TCDD	ND	8.8	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	17	pg	SW846 8290
Total PeCDD	ND	17	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	9.5	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	9.6	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	8.8	pg	SW846 8290
Total HxCDD	ND	9.6	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	4.3	pg	SW846 8290
Total HpCDD	ND	4.3	pg	SW846 8290
OCDD	ND	12	pg	SW846 8290
2,3,7,8-TCDF	ND	6.0	pg	SW846 8290
Total TCDF	ND	6.0	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	10	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	10	pg	SW846 8290
Total PeCDF	ND	20	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	8.7	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	7.8	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	8.3	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	8.7	pg	SW846 8290
Total HxCDF	ND	8.7	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	2.5	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	3.0	pg	SW846 8290
Total HpCDF	ND	3.0	pg	SW846 8290
OCDF	ND	11	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	94	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	85	(40 - 135)
13C-OCDD	83	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138 Work Order #...: EM0F81AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-163
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	200	202	pg	101	SW846 8290
1,2,3,7,8-PeCDD	1000	953	pg	95	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1110	pg	111	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1010	pg	101	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1100	pg	110	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	997	pg	100	SW846 8290
OCDD	2000	2040	pg	102	SW846 8290
2,3,7,8-TCDF	200	199	pg	99	SW846 8290
1,2,3,7,8-PeCDF	1000	1070	pg	107	SW846 8290
2,3,4,7,8-PeCDF	1000	1050	pg	105	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1050	pg	105	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1070	pg	107	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1100	pg	110	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1130	pg	113	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1000	pg	100	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1060	pg	106	SW846 8290
OCDF	2000	2180	pg	109	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138 Work Order #...: EM0F81AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-163
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	101	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDD	95	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDD	111	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDD	101	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDD	110	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	(50 - 150)	SW846 8290
OCDD	102	(50 - 150)	SW846 8290
2,3,7,8-TCDF	99	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDF	107	(50 - 150)	SW846 8290
2,3,4,7,8-PeCDF	105	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDF	105	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDF	107	(50 - 150)	SW846 8290
2,3,4,6,7,8-HxCDF	110	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDF	113	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	(50 - 150)	SW846 8290
1,2,3,4,7,8,9-HpCDF	106	(50 - 150)	SW846 8290
OCDF	109	(50 - 150)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138 Work Order #...: EM0GX1AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-169
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300169
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	200	179	pg	90	SW846 8290
1,2,3,7,8-PeCDD	1000	932	pg	93	SW846 8290
1,2,3,4,7,8-HxCDD	1000	904	pg	90	SW846 8290
1,2,3,6,7,8-HxCDD	1000	961	pg	96	SW846 8290
1,2,3,7,8,9-HxCDD	1000	941	pg	94	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	951	pg	95	SW846 8290
OCDD	2000	1920	pg	96	SW846 8290
2,3,7,8-TCDF	200	185	pg	93	SW846 8290
1,2,3,7,8-PeCDF	1000	944	pg	94	SW846 8290
2,3,4,7,8-PeCDF	1000	1010	pg	101	SW846 8290
1,2,3,4,7,8-HxCDF	1000	963	pg	96	SW846 8290
1,2,3,6,7,8-HxCDF	1000	957	pg	96	SW846 8290
2,3,4,6,7,8-HxCDF	1000	944	pg	94	SW846 8290
1,2,3,7,8,9-HxCDF	1000	971	pg	97	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	968	pg	97	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	974	pg	97	SW846 8290
OCDF	2000	2030	pg	102	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	83	(40 - 135)
13C-2,3,7,8-TCDF	78	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270138
 LCS Lot-Sample#: G1J270000-169
 Prep Date.....: 10/27/01
 Prep Batch #...: 1300169
 Dilution Factor: 1

Work Order #...: EM0GX1AC
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	90	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDD	93	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDD	90	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDD	96	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDD	94	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDD	95	(50 - 150)	SW846 8290
OCDD	96	(50 - 150)	SW846 8290
2,3,7,8-TCDF	93	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDF	94	(50 - 150)	SW846 8290
2,3,4,7,8-PeCDF	101	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDF	96	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDF	96	(50 - 150)	SW846 8290
2,3,4,6,7,8-HxCDF	94	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDF	97	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDF	97	(50 - 150)	SW846 8290
1,2,3,4,7,8,9-HpCDF	97	(50 - 150)	SW846 8290
OCDF	102	(50 - 150)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	83	(40 - 135)
13C-2,3,7,8-TCDF	78	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



October 30, 2001

STL SACRAMENTO PROJECT NUMBER: G1J270136
PO/CONTRACT:

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500

Tel: 916 373 5600
Fax: 916 371 8420
www.stl-inc.com

Neil Feldscher
EMTEQUE Corporation
505 Eighth Avenue
Suite 900
New York, New York, 10018

Dear Mr. Feldscher,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on October 26, 2001. These samples are associated with your 010496 project.

The test results in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in cursive script that reads "Karen M. Dahl".

Karen M. Dahl
Project Manager

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CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G1J270136

SOLID, 8290, Dioxins/Furans

The total TCDD result for sample D-8-04 comes from a 10X dilution since it saturated the instrument detector on the 1X dilution.

WIPE, 8290, Dioxins/Furans

The 1,2,3,4,6,7,8-HpCDF result in sample D-6-07 has been flagged with a 'JA' qualifier due to a matrix interference that caused the ion ratios to be outside limits. The analyst believes the analyte to be present, but the quantitation is estimated since it is based on theoretical ratios.

Sample D-6-07 shows a matrix related interference that causes the suppression of several peaks. The sample was analyzed at a dilution on another instrument and the original results were confirmed. The internal standard recoveries for 13C-OCDD & 13C-1,2,3,4,7,8-HxCDF are outside control limits. The results for 1,2,3,6,7,8-HxCDF, 2,3,4,6,7,8-HxCDF, total HxCDF, & total HpCDD may be biased low. The results for 1,2,3,4,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, total HxCDD, 1,2,3,4,7,8,9-HpCDF, & total HpCDF may be biased high.

There were no other anomalies associated with this project.

STL Sacramento
Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: STL Sacramento Laboratory Quality Manual

STL Sacramento Certifications:

Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (NELAP # 01119CA) (ELAP #I-2439), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 107407), Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613)..

Sample Summary

G1J270136

<u>WQ#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
EMX2G	1	D-6-04	10/26/01	10/27/01 09:30 AM
EMX2L	2	D-6-05	10/26/01	10/27/01 09:30 AM
EMX2P	3	D-6-06	10/26/01	10/27/01 09:30 AM
EMX2Q	4	D-6-07	10/26/01	10/27/01 09:30 AM
EMX2R	5	D-6-08	10/26/01	10/27/01 09:30 AM
EMX2T	6	D-6-09	10/26/01	10/27/01 09:30 AM
EMX2V	7	D-6-10	10/26/01	10/27/01 09:30 AM
EMX2W	8	D-6-11	10/26/01	10/27/01 09:30 AM
EMX2X	9	D-8-03	10/26/01	10/27/01 09:30 AM
EMX20	10	D-8-04	10/26/01	10/27/01 09:30 AM
EMX22	11	D-8-05	10/26/01	10/27/01 09:30 AM
EMX23	12	D-8-06	10/26/01	10/27/01 09:30 AM
EMX26	13	D-8-07	10/26/01	10/27/01 09:30 AM
EMX29	14	D-8-08	10/26/01	10/27/01 09:30 AM
EMX3D	15	D-8-09	10/26/01	10/27/01 09:30 AM
EMX3E	16	D-8-10	10/26/01	10/27/01 09:30 AM
EMX3F	17	D-8-11	10/26/01	10/27/01 09:30 AM
EMX3G	18	D-10-02	10/26/01	10/27/01 09:30 AM
EMX3H	19	D-10-03	10/26/01	10/27/01 09:30 AM
EMX3J	20	D-10-04	10/26/01	10/27/01 09:30 AM
EMX3K	21	D-10-05	10/26/01	10/27/01 09:30 AM
EMX3L	22	D-10-06	10/26/01	10/27/01 09:30 AM
EMX3Q	23	D-10-07	10/26/01	10/27/01 09:30 AM
EMX3R	24	D-10-08	10/26/01	10/27/01 09:30 AM
EMX3T	25	D-10-09	10/26/01	10/27/01 09:30 AM
EMX3V	26	D-10-10	10/26/01	10/27/01 09:30 AM
EMX3W	27	D-12-02	10/26/01	10/27/01 09:30 AM
EMX3X	28	D-12-03	10/26/01	10/27/01 09:30 AM
EMX30	29	D-12-05	10/26/01	10/27/01 09:30 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

EMTEQUE Corporation
505 Eighth Avenue, Suite 900
New York, New York 10018
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Fax: (212) 631-8086

SAMPLE LOG

Page 1 of 4

PROJECT #: 010496 PROJECT SITE: 90 Church St. WORK AREA: 648

TECHNICIAN: JS/MP DATE: 10/26/01

PROJECT MGR.: Mr. Feldman TAT: Truck

FOR LABORATORY USE ONLY

FIELD SAMPLE I.D. No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/ COMMENTS
D-6-04	Cable	Wipe
D-6-05	Kitchen	
D-6-06	Cable 6496	
D-6-07	6447	
D-6-08	6398	
D-6-09	6224	
D-6-10	6251	
D-6-11	6134	
D-6-12	Not	
D-8-03	8040	
D-8-04	8077	Bulk
D-8-05	SE Side	
D-8-06	8119	Wipe
D-8-07	8145	
D-8-08	8188	Bulk
RELINQUISHED BY: [Signature]	DATE: 10/26/01 TIME: 1845	RECEIVED BY: [Signature] DATE: 10-27-01 TIME: 940
RELINQUISHED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:

RECEIVED IN GOOD CONDITION
UNDER 606
OCT 27 2001
INI: [Signature]

G1J270136



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505 Eighth Avenue, Suite 800
New York, New York 10018
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Fax: (212) 631-8088

SAMPLE LOG

Page 2 of 4

PROJECT #: 010496 PROJECT SITE: 90 Church St. WORK AREA: 88/108/12

TECHNICIAN: JS/mrp DATE: 10/26/01

PROJECT MGR.: Print N. Feldcher TAT: Rock

FOR LABORATORY USE ONLY

FIELD SAMPLE ID No.	SAMPLE DESCRIPTION LOCATION/ACTIVITY	ANALYTICAL METHOD/COMMENTS
D-8-09	8221 Wipe	Diagn
D-8-10	Computer Room	
D-8-11	8038	
D-10-02	10043 Wipe	
D-10-03	East Side	
D-10-04	10114	
D-10-05	10148 Bulk	
D-10-06	10177 Wipe	
D-10-07	10204	
D-10-08	10240	
D-10-09	10292	
D-10-10	10316	
D-12-02	12074 Wipe	
D-12-03	12100	
D-12-05	12178 12154	
RELINQUISHED BY:	DATE: <u>10/26/01</u> TIME: <u>1900</u>	RECEIVED BY: <u>Chyl</u> DATE: <u>10-27-01</u> TIME: <u>940</u>
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE: TIME:	RECEIVED BY:

RECEIVED IN GOOD CONDITION
UNDER COC
OCT 27 2001
PMI: AS

**SEVERN
TRENT
SERVICES**

LOT RECEIPT CHECKLIST

STL Sacramento

CLIENT Emteque PM KD LOG # 12169
 LOT# (QUANTIMS ID) G18270136 QUOTE# 44779 LOCATION W19E

DATE RECEIVED 10-27-01 TIME RECEIVED 930 Initials ds Date 10-27-01

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ STL COURIER ☐ B & B ☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) ☐ STL ☒ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR 1 ☐ 2 ☒ OTHER _____

COC #(S) _____

TEMPERATURE BLANK _____

AMBIENT TEMPERATURE 6°

COLLECTOR'S NAME: ☒ Verified from COC ☒ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °-6 °C) ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK

☐ PM NOTIFIED ☐ NO COOLING AGENTS USED

Notes: _____

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh	*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
___AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
250AGBna																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
___PB/PJ																				
___PBn/PJn																				
500PB/PJ																				
500PBn/PJn																				
500PBna																				
500PBzn/na																				
250PB																				
250PBn																				
250PBna																				
250PBzn/na																				
___CT																				
Encore																				
Folder/Filter																				
PUF																				
Petr/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

* Number of VOA's with air bubbles present / total number of VOA's

G1J270136

STI - Sacramento (916) 373 - 5800

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SOLID, 8290, Dioxins/Furans

EMTSQUE CORPORATION

Client Sample ID: D-8-04

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-010 Work Order #....: EMX201AA Matrix.....: SOLID
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	96		pg/g	SW846 8290
Total TCDD	54000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	280		pg/g	SW846 8290
Total PeCDD	25000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	140		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	260		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	240		pg/g	SW846 8290
Total HxCDD	10000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000		pg/g	SW846 8290
Total HpCDD	2400		pg/g	SW846 8290
OCDD	2800		pg/g	SW846 8290
2,3,7,8-TCDF	880 CON		pg/g	SW846 8290
Total TCDF	27000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	680		pg/g	SW846 8290
2,3,4,7,8-PeCDF	790		pg/g	SW846 8290
Total PeCDF	13000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	450		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	370		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	370		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	36		pg/g	SW846 8290
Total HxCDF	4200		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1200		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg/g	SW846 8290
Total HpCDF	1800		pg/g	SW846 8290
OCDF	590		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	72	(40 - 135)
13C-2,3,7,8-TCDF	105	(40 - 135)
13C-1,2,3,7,8-PeCDF	95	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	73	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-05

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-011 Work Order #...: EMX221AA Matrix.....: SOLID
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300159
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	40		pg/g	SW846 8290
Total TCDD	19000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	120		pg/g	SW846 8290
Total PeCDD	11000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	65		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	130		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	110		pg/g	SW846 8290
Total HxCDD	4800		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	600		pg/g	SW846 8290
Total HpCDD	1300		pg/g	SW846 8290
OCDD	3700		pg/g	SW846 8290
2,3,7,8-TCDF	330 CON		pg/g	SW846 8290
Total TCDF	13000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	280		pg/g	SW846 8290
2,3,4,7,8-PeCDF	330		pg/g	SW846 8290
Total PeCDF	5600		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	190		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	180		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	170		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	17 J		pg/g	SW846 8290
Total HxCDF	1900		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	500		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	74		pg/g	SW846 8290
Total HpCDF	820		pg/g	SW846 8290
OCDF	270		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	77	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	101	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	72	(40 - 135)

NOTE(S):

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-8-08

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-014 Work Order #....: EMX291AA Matrix.....: SOLID
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	130		pg/g	SW846 8290
Total TCDD	33000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	250		pg/g	SW846 8290
Total PeCDD	21000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	120		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	220		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	220		pg/g	SW846 8290
Total HxCDD	8500		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	850		pg/g	SW846 8290
Total HpCDD	2000		pg/g	SW846 8290
OCDD	2200		pg/g	SW846 8290
2,3,7,8-TCDF	790 CON		pg/g	SW846 8290
Total TCDF	32000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	720		pg/g	SW846 8290
2,3,4,7,8-PeCDF	1100		pg/g	SW846 8290
Total PeCDF	19000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	770		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	660		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	540		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	74		pg/g	SW846 8290
Total HxCDF	8800		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1900		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	410		pg/g	SW846 8290
Total HpCDF	4200		pg/g	SW846 8290
OCDF	1700		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	83	(40 - 135)
13C-OCDD	85	(40 - 135)
13C-2,3,7,8-TCDF	101	(40 - 135)
13C-1,2,3,7,8-PeCDF	111	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-05

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-021
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

Work Order #....: EMX3K1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: SOLID

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	97		pg/g	SW846 8290
Total TCDD	32000		pg/g	SW846 8290
1,2,3,7,8-PeCDD	250		pg/g	SW846 8290
Total PeCDD	21000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	140		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	250		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	250		pg/g	SW846 8290
Total HxCDD	10000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	930		pg/g	SW846 8290
Total HpCDD	2200		pg/g	SW846 8290
OCDD	2600		pg/g	SW846 8290
2,3,7,8-TCDF	590 CON		pg/g	SW846 8290
Total TCDF	21000		pg/g	SW846 8290
1,2,3,7,8-PeCDF	570		pg/g	SW846 8290
2,3,4,7,8-PeCDF	700		pg/g	SW846 8290
Total PeCDF	11000		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	460		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	400		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	400		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	26		pg/g	SW846 8290
Total HxCDF	4200		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	940		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	110		pg/g	SW846 8290
Total HpCDF	1500		pg/g	SW846 8290
OCDF	510		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	86	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	81	(40 - 135)
13C-OCDD	81	(40 - 135)
13C-2,3,7,8-TCDF	92	(40 - 135)
13C-1,2,3,7,8-PeCDF	102	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1J270136

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1300162	
002	WIPE	SW846 8290		1300162	
003	WIPE	SW846 8290		1300162	
004	WIPE	SW846 8290		1300162	
005	WIPE	SW846 8290		1300162	
006	WIPE	SW846 8290		1300162	
007	WIPE	SW846 8290		1300162	
008	WIPE	SW846 8290		1300162	
009	WIPE	SW846 8290		1300162	
010	SOLID	SW846 8290		1300159	
011	SOLID	SW846 8290		1300159	
012	WIPE	SW846 8290		1300162	
013	WIPE	SW846 8290		1300162	
014	SOLID	SW846 8290		1300159	
015	WIPE	SW846 8290		1300162	
016	WIPE	SW846 8290		1300162	
017	WIPE	SW846 8290		1300162	
018	WIPE	SW846 8290		1300162	
019	WIPE	SW846 8290		1300162	
020	WIPE	SW846 8290		1300162	
021	SOLID	SW846 8290		1300159	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G1J270136

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	WIPE	SW846 8290		1300162	
023	WIPE	SW846 8290		1300162	
024	WIPE	SW846 8290		1300162	
025	WIPE	SW846 8290		1300163	
026	WIPE	SW846 8290		1300163	
027	WIPE	SW846 8290		1300163	
028	WIPE	SW846 8290		1300163	
029	WIPE	SW846 8290		1300163	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136
 MB Lot-Sample #: G1J270000-159

Work Order #....: EM0A41AA

Matrix.....: SOLID

Analysis Date...: 10/29/01
 Dilution Factor: 1

Prep Date.....: 10/27/01
 Prep Batch #....: 1300159

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.40	pg/g	SW846 8290
Total TCDD	ND	0.40	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.70	pg/g	SW846 8290
Total PeCDD	ND	0.70	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.35	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.38	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.34	pg/g	SW846 8290
Total HxCDD	ND	0.38	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.41	pg/g	SW846 8290
Total HpCDD	ND	0.41	pg/g	SW846 8290
OCDD	ND	0.54	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.30	pg/g	SW846 8290
Total TCDF	ND	0.30	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.45	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.44	pg/g	SW846 8290
Total PeCDF	ND	0.52	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.23	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.22	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.24	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.26	pg/g	SW846 8290
Total HxCDF	ND	0.26	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.35	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.41	pg/g	SW846 8290
Total HpCDF	ND	0.41	pg/g	SW846 8290
OCDF	ND	0.87	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	84	(40 - 135)
13C-OCDD	100	(40 - 135)
13C-2,3,7,8-TCDF	78	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	84	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136 Work Order #....: EM0A41AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J270000-159
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300159
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,3,7,8-TCDD	20.0	20.6	pg/g	103	SW846 8290
1,2,3,7,8-PeCDD	100	104	pg/g	104	SW846 8290
1,2,3,4,7,8-HxCDD	100	90.7	pg/g	91	SW846 8290
1,2,3,6,7,8-HxCDD	100	98.8	pg/g	99	SW846 8290
1,2,3,7,8,9-HxCDD	100	104	pg/g	104	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	92.4	pg/g	92	SW846 8290
OCDD	200	194	pg/g	97	SW846 8290
2,3,7,8-TCDF	20.0	19.4	pg/g	97	SW846 8290
1,2,3,7,8-PeCDF	100	99.9	pg/g	100	SW846 8290
2,3,4,7,8-PeCDF	100	104	pg/g	104	SW846 8290
1,2,3,4,7,8-HxCDF	100	97.4	pg/g	97	SW846 8290
1,2,3,6,7,8-HxCDF	100	102	pg/g	102	SW846 8290
2,3,4,6,7,8-HxCDF	100	108	pg/g	108	SW846 8290
1,2,3,7,8,9-HxCDF	100	109	pg/g	109	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	96.6	pg/g	97	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	98.0	pg/g	98	SW846 8290
OCDF	200	187	pg/g	93	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	53	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	57	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270136 Work Order #...: EM0A41AC Matrix.....: SOLID
 LCS Lot-Sample#: G1J270000-159
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300159
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,3,7,8-TCDD	103	(60 - 141)	SW846 8290
1,2,3,7,8-PeCDD	104	(65 - 140)	SW846 8290
1,2,3,4,7,8-HxCDD	91	(52 - 152)	SW846 8290
1,2,3,6,7,8-HxCDD	99	(62 - 138)	SW846 8290
1,2,3,7,8,9-HxCDD	104	(58 - 147)	SW846 8290
1,2,3,4,6,7,8-HpCDD	92	(65 - 137)	SW846 8290
OCDD	97	(64 - 143)	SW846 8290
2,3,7,8-TCDF	97	(59 - 140)	SW846 8290
1,2,3,7,8-PeCDF	100	(64 - 140)	SW846 8290
2,3,4,7,8-PeCDF	104	(61 - 141)	SW846 8290
1,2,3,4,7,8-HxCDF	97	(66 - 137)	SW846 8290
1,2,3,6,7,8-HxCDF	102	(60 - 138)	SW846 8290
2,3,4,6,7,8-HxCDF	108	(65 - 148)	SW846 8290
1,2,3,7,8,9-HxCDF	109	(59 - 146)	SW846 8290
1,2,3,4,6,7,8-HpCDF	97	(64 - 138)	SW846 8290
1,2,3,4,7,8,9-HpCDF	98	(58 - 145)	SW846 8290
OCDF	93	(58 - 145)	SW846 8290

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	53	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	57	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

WIPE, 8290, Dioxins/Furans

EMTEQUE CORPORATION

Client Sample ID: D-6-04

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-001 Work Order #...: EMX2G1AA Matrix.....: WIPE
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #...: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	10 J		PG	SW846 8290
Total TCDD	2000		PG	SW846 8290
1,2,3,7,8-PeCDD	ND	38	PG	SW846 8290
Total PeCDD	2800		PG	SW846 8290
1,2,3,4,7,8-HxCDD	ND	32	PG	SW846 8290
1,2,3,6,7,8-HxCDD	62 J		PG	SW846 8290
1,2,3,7,8,9-HxCDD	53 J		PG	SW846 8290
Total HxCDD	2300		PG	SW846 8290
1,2,3,4,6,7,8-HpCDD	260		PG	SW846 8290
Total HpCDD	590		PG	SW846 8290
OCDD	440		PG	SW846 8290
2,3,7,8-TCDF	51 CON		PG	SW846 8290
Total TCDF	1200		PG	SW846 8290
1,2,3,7,8-PeCDF	87 J		PG	SW846 8290
2,3,4,7,8-PeCDF	110		PG	SW846 8290
Total PeCDF	1300		PG	SW846 8290
1,2,3,4,7,8-HxCDF	100		PG	SW846 8290
1,2,3,6,7,8-HxCDF	82 J		PG	SW846 8290
2,3,4,6,7,8-HxCDF	65 J		PG	SW846 8290
1,2,3,7,8,9-HxCDF	ND	6.4	PG	SW846 8290
Total HxCDF	660		PG	SW846 8290
1,2,3,4,6,7,8-HpCDF	240		PG	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	24	PG	SW846 8290
Total HpCDF	240		PG	SW846 8290
OCDF	ND	88	PG	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	75	(40 - 135)		
13C-1,2,3,7,8-PeCDD	86	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)		
13C-OCDD	91	(40 - 135)		
13C-2,3,7,8-TCDF	84	(40 - 135)		
13C-1,2,3,7,8-PeCDF	89	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)		

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-05

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-002 Work Order #....: EMX2L1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.4	pg	SW846 8290
Total TCDD	830		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	11	pg	SW846 8290
Total PeCDD	690		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	8.2	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	18	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	13	pg	SW846 8290
Total HxCDD	530		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	55 J		pg	SW846 8290
Total HpCDD	130		pg	SW846 8290
OCDD	ND	73	pg	SW846 8290
2,3,7,8-TCDF	15 J, CON		pg	SW846 8290
Total TCDF	610		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	23	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	30	pg	SW846 8290
Total PeCDF	100		pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	24	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	21	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	17	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.6	pg	SW846 8290
Total HxCDF	ND	44	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	50 J		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.9	pg	SW846 8290
Total HpCDF	50		pg	SW846 8290
OCDF	ND	19	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	100	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	106	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	83	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-06

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-003
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Work Order #....: EMX2P1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/28/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.1	pg	SW846 8290
Total TCDD	880		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	37	pg	SW846 8290
Total PeCDD	2200		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	38	pg	SW846 8290
1,2,3,6,7,8-HxCDD	71 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	60 J		pg	SW846 8290
Total HxCDD	2600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	240		pg	SW846 8290
Total HpCDD	590		pg	SW846 8290
OCDD	310		pg	SW846 8290
2,3,7,8-TCDF	30 CON		pg	SW846 8290
Total TCDF	740		pg	SW846 8290
1,2,3,7,8-PeCDF	65 J		pg	SW846 8290
2,3,4,7,8-PeCDF	110		pg	SW846 8290
Total PeCDF	1100		pg	SW846 8290
1,2,3,4,7,8-HxCDF	100		pg	SW846 8290
1,2,3,6,7,8-HxCDF	72 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	76 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.8	pg	SW846 8290
Total HxCDF	690		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	260		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	33	pg	SW846 8290
Total HpCDF	260		pg	SW846 8290
OCDF	ND	89	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	87	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	78	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-07

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-004 Work Order #....: EMX2Q1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	13 J		pg	SW846 8290
Total TCDD	2100		pg	SW846 8290
1,2,3,7,8-PeCDD	89 J		pg	SW846 8290
Total PeCDD	5500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	110		pg	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg	SW846 8290
1,2,3,7,8,9-HxCDD	190		pg	SW846 8290
Total HxCDD	6300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	330		pg	SW846 8290
Total HpCDD	1200		pg	SW846 8290
OCDD	470		pg	SW846 8290
2,3,7,8-TCDF	76 CON		pg	SW846 8290
Total TCDF	1500		pg	SW846 8290
1,2,3,7,8-PeCDF	140		pg	SW846 8290
2,3,4,7,8-PeCDF	240		pg	SW846 8290
Total PeCDF	2800		pg	SW846 8290
1,2,3,4,7,8-HxCDF	160		pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	36	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	39	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	12	pg	SW846 8290
Total HxCDF	780		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	320 JA		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	80 J		pg	SW846 8290
Total HpCDF	810		pg	SW846 8290
OCDF	130 J		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	74	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	106	(40 - 135)
13C-OCDD	180 *	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	67	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	160 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	66	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

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

* Surrogate recovery is outside stated control limits.

EMTEQUE CORPORATION

Client Sample ID: D-6-08

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-005 Work Order #....: EMX2R1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	50		PG	SW846 8290
Total TCDD	8000		PG	SW846 8290
1,2,3,7,8-PeCDD	220		PG	SW846 8290
Total PeCDD	13000		PG	SW846 8290
1,2,3,4,7,8-HxCDD	120		PG	SW846 8290
1,2,3,6,7,8-HxCDD	210		PG	SW846 8290
1,2,3,7,8,9-HxCDD	210		PG	SW846 8290
Total HxCDD	8300		PG	SW846 8290
1,2,3,4,6,7,8-HpCDD	710		PG	SW846 8290
Total HpCDD	1600		PG	SW846 8290
OCDD	1100		PG	SW846 8290
2,3,7,8-TCDF	260 CON		PG	SW846 8290
Total TCDF	6200		PG	SW846 8290
1,2,3,7,8-PeCDF	450		PG	SW846 8290
2,3,4,7,8-PeCDF	610		PG	SW846 8290
Total PeCDF	7600		PG	SW846 8290
1,2,3,4,7,8-HxCDF	390		PG	SW846 8290
1,2,3,6,7,8-HxCDF	340		PG	SW846 8290
2,3,4,6,7,8-HxCDF	320		PG	SW846 8290
1,2,3,7,8,9-HxCDF	ND	34	PG	SW846 8290
Total HxCDF	3500		PG	SW846 8290
1,2,3,4,6,7,8-HpCDF	820		PG	SW846 8290
1,2,3,4,7,8,9-HpCDF	130		PG	SW846 8290
Total HpCDF	1400		PG	SW846 8290
OCDF	370		PG	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	93	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	99	(40 - 135)
13C-OCDD	104	(40 - 135)
13C-2,3,7,8-TCDF	96	(40 - 135)
13C-1,2,3,7,8-PeCDF	102	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-09

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-006
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Work Order #....: EMX2T1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.3	pg	SW846 8290
Total TCDD	180		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	10	pg	SW846 8290
Total PeCDD	570		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	19	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	29	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	42	pg	SW846 8290
Total HxCDD	880		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	120		pg	SW846 8290
Total HpCDD	300		pg	SW846 8290
OCDD	200		pg	SW846 8290
2,3,7,8-TCDF	ND CON	7.0	pg	SW846 8290
Total TCDF	98		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	22	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	43	pg	SW846 8290
Total PeCDF	130		pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	40	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	24	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	28	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.3	pg	SW846 8290
Total HxCDF	85		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	110		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	19	pg	SW846 8290
Total HpCDF	110		pg	SW846 8290
OCDF	ND	45	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	106	(40 - 135)
13C-2,3,7,8-TCDF	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	95	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-10

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-007 Work Order #....: EMX2V1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	8.0	PG	SW846 8290
Total TCDD	1700		PG	SW846 8290
1,2,3,7,8-PeCDD	ND	26	PG	SW846 8290
Total PeCDD	1700		PG	SW846 8290
1,2,3,4,7,8-HxCDD	ND	35	PG	SW846 8290
1,2,3,6,7,8-HxCDD	ND	49	PG	SW846 8290
1,2,3,7,8,9-HxCDD	51 J		PG	SW846 8290
Total HxCDD	2200		PG	SW846 8290
1,2,3,4,6,7,8-HpCDD	280		PG	SW846 8290
Total HpCDD	810		PG	SW846 8290
OCDD	550		PG	SW846 8290
2,3,7,8-TCDF	36 CON		PG	SW846 8290
Total TCDF	1400		PG	SW846 8290
1,2,3,7,8-PeCDF	69 J		PG	SW846 8290
2,3,4,7,8-PeCDF	77 J		PG	SW846 8290
Total PeCDF	1200		PG	SW846 8290
1,2,3,4,7,8-HxCDF	90 J		PG	SW846 8290
1,2,3,6,7,8-HxCDF	ND	47	PG	SW846 8290
2,3,4,6,7,8-HxCDF	ND	37	PG	SW846 8290
1,2,3,7,8,9-HxCDF	ND	4.3	PG	SW846 8290
Total HxCDF	530		PG	SW846 8290
1,2,3,4,6,7,8-HpCDF	370		PG	SW846 8290
1,2,3,4,7,8,9-HpCDF	69 J		PG	SW846 8290
Total HpCDF	730		PG	SW846 8290
OCDF	240		PG	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	91	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	77	(40 - 135)
13C-OCDD	99	(40 - 135)
13C-2,3,7,8-TCDF	97	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	59	(40 - 135)

NOTE(S):

1 Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-6-11

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-008 Work Order #....: EMX2W1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	20		P9	SW846 8290
Total TCDD	3500		P9	SW846 8290
1,2,3,7,8-PeCDD	110		P9	SW846 8290
Total PeCDD	7300		P9	SW846 8290
1,2,3,4,7,8-HxCDD	68 J		P9	SW846 8290
1,2,3,6,7,8-HxCDD	130		P9	SW846 8290
1,2,3,7,8,9-HxCDD	120		P9	SW846 8290
Total HxCDD	5000		P9	SW846 8290
1,2,3,4,6,7,8-HpCDD	450		P9	SW846 8290
Total HpCDD	1100		P9	SW846 8290
OCDD	690		P9	SW846 8290
2,3,7,8-TCDF	100 CON		P9	SW846 8290
Total TCDF	2500		P9	SW846 8290
1,2,3,7,8-PeCDF	190		P9	SW846 8290
2,3,4,7,8-PeCDF	290		P9	SW846 8290
Total PeCDF	3500		P9	SW846 8290
1,2,3,4,7,8-HxCDF	200		P9	SW846 8290
1,2,3,6,7,8-HxCDF	150		P9	SW846 8290
2,3,4,6,7,8-HxCDF	150		P9	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	P9	SW846 8290
Total HxCDF	1600		P9	SW846 8290
1,2,3,4,6,7,8-HpCDF	450		P9	SW846 8290
1,2,3,4,7,8,9-HpCDF	55 J		P9	SW846 8290
Total HpCDF	690		P9	SW846 8290
OCDF	200 J		P9	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	98	(40 - 135)
13C-1,2,3,7,8-PeCDF	99	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	81	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-03

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-009
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Work Order #....: EMX2X1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	23		pg	SW846 8290
Total TCDD	4500		pg	SW846 8290
1,2,3,7,8-PeCDD	170		pg	SW846 8290
Total PeCDD	10000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	79 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	150		pg	SW846 8290
1,2,3,7,8,9-HxCDD	140		pg	SW846 8290
Total HxCDD	6200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	380		pg	SW846 8290
Total HpCDD	900		pg	SW846 8290
OCDD	390		pg	SW846 8290
2,3,7,8-TCDF	180 CON		pg	SW846 8290
Total TCDF	3400		pg	SW846 8290
1,2,3,7,8-PeCDF	270		pg	SW846 8290
2,3,4,7,8-PeCDF	400		pg	SW846 8290
Total PeCDF	4500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	250		pg	SW846 8290
1,2,3,6,7,8-HxCDF	200		pg	SW846 8290
2,3,4,6,7,8-HxCDF	160		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	12	pg	SW846 8290
Total HxCDF	1600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	350		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	34	pg	SW846 8290
Total HpCDF	460		pg	SW846 8290
OCDF	ND	98	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	78	(40 - 135)
13C-1,2,3,7,8-PeCDD	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	94	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	91	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-06

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-012 Work Order #....: EMX231AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	140		PG	SW846 8290
Total TCDD	38000		PG	SW846 8290
1,2,3,7,8-PeCDD	470		PG	SW846 8290
Total PeCDD	40000		PG	SW846 8290
1,2,3,4,7,8-HxCDD	220		PG	SW846 8290
1,2,3,6,7,8-HxCDD	430		PG	SW846 8290
1,2,3,7,8,9-HxCDD	400		PG	SW846 8290
Total HxCDD	18000		PG	SW846 8290
1,2,3,4,6,7,8-HpCDD	1400		PG	SW846 8290
Total HpCDD	3100		PG	SW846 8290
OCDD	1900		PG	SW846 8290
2,3,7,8-TCDF	840 CON		PG	SW846 8290
Total TCDF	25000		PG	SW846 8290
1,2,3,7,8-PeCDF	1000		PG	SW846 8290
2,3,4,7,8-PeCDF	1200		PG	SW846 8290
Total PeCDF	20000		PG	SW846 8290
1,2,3,4,7,8-HxCDF	750		PG	SW846 8290
1,2,3,6,7,8-HxCDF	620		PG	SW846 8290
2,3,4,6,7,8-HxCDF	530		PG	SW846 8290
1,2,3,7,8,9-HxCDF	ND	45	PG	SW846 8290
Total HxCDF	6300		PG	SW846 8290
1,2,3,4,6,7,8-HpCDF	1400		PG	SW846 8290
1,2,3,4,7,8,9-HpCDF	160		PG	SW846 8290
Total HpCDF	2100		PG	SW846 8290
OCDF	580		PG	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	91	(40 - 135)
13C-2,3,7,8-TCDF	96	(40 - 135)
13C-1,2,3,7,8-PeCDF	100	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-07

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-013
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Work Order #....: EMX261AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	120		PG	SW846 8290
Total TCDD	46000		PG	SW846 8290
1,2,3,7,8-PeCDD	630		PG	SW846 8290
Total PeCDD	49000		PG	SW846 8290
1,2,3,4,7,8-HxCDD	300		PG	SW846 8290
1,2,3,6,7,8-HxCDD	590		PG	SW846 8290
1,2,3,7,8,9-HxCDD	510		PG	SW846 8290
Total HxCDD	24000		PG	SW846 8290
1,2,3,4,6,7,8-HpCDD	1800		PG	SW846 8290
Total HpCDD	4200		PG	SW846 8290
OCDD	2400		PG	SW846 8290
2,3,7,8-TCDF	1200 CON		PG	SW846 8290
Total TCDF	30000		PG	SW846 8290
1,2,3,7,8-PeCDF	1300		PG	SW846 8290
2,3,4,7,8-PeCDF	1700		PG	SW846 8290
Total PeCDF	25000		PG	SW846 8290
1,2,3,4,7,8-HxCDF	950		PG	SW846 8290
1,2,3,6,7,8-HxCDF	800		PG	SW846 8290
2,3,4,6,7,8-HxCDF	720		PG	SW846 8290
1,2,3,7,8,9-HxCDF	58 J		PG	SW846 8290
Total HxCDF	8200		PG	SW846 8290
1,2,3,4,6,7,8-HpCDF	1900		PG	SW846 8290
1,2,3,4,7,8,9-HpCDF	230		PG	SW846 8290
Total HpCDF	2800		PG	SW846 8290
OCDF	700		PG	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	76	(40 - 135)
13C-1,2,3,7,8-PeCDD	82	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	82	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	91	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	77	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

EMTEQUE CORPORATION

Client Sample ID: D-8-09

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-015
 Date Sampled...: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #...: 1300162
 Dilution Factor: 1

Work Order #...: EMX3D1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	53		pg	SW846 8290
Total TCDD	16000		pg	SW846 8290
1,2,3,7,8-PeCDD	240		pg	SW846 8290
Total PeCDD	19000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	140		pg	SW846 8290
1,2,3,6,7,8-HxCDD	240		pg	SW846 8290
1,2,3,7,8,9-HxCDD	240		pg	SW846 8290
Total HxCDD	9900		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	870		pg	SW846 8290
Total HpCDD	2200		pg	SW846 8290
OCDD	1300		pg	SW846 8290
2,3,7,8-TCDF	480 CON		pg	SW846 8290
Total TCDF	12000		pg	SW846 8290
1,2,3,7,8-PeCDF	530		pg	SW846 8290
2,3,4,7,8-PeCDF	720		pg	SW846 8290
Total PeCDF	10000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	440		pg	SW846 8290
1,2,3,6,7,8-HxCDF	310		pg	SW846 8290
2,3,4,6,7,8-HxCDF	270		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	35	pg	SW846 8290
Total HxCDF	3700		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	960		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	160		pg	SW846 8290
Total HpCDF	1700		pg	SW846 8290
OCDF	430		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	99	(40 - 135)
13C-1,2,3,7,8-PeCDF	94	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	70	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-10

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-016 Work Order #...: EMX3E1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date...: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300162
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.0	pg	SW846 8290
Total TCDD	440		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	13	pg	SW846 8290
Total PeCDD	700		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	15	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	25	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	30	pg	SW846 8290
Total HxCDD	710		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	75 J		pg	SW846 8290
Total HpCDD	180		pg	SW846 8290
OCDD	160 J		pg	SW846 8290
2,3,7,8-TCDF	11 J, CON		pg	SW846 8290
Total TCDF	330		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	22	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	38	pg	SW846 8290
Total PeCDF	210		pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	36	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	20	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	17	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	6.8	pg	SW846 8290
Total HxCDF	51		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	55 J		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	8.1	pg	SW846 8290
Total HpCDF	55		pg	SW846 8290
OCDF	ND	20	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	89	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	84	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	80	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-8-11

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-017
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Work Order #....: EMX3F1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	13	pg	SW846 8290
Total TCDD	43		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	12	pg	SW846 8290
Total PeCDD	ND	26	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	7.5	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	7.6	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	7.0	pg	SW846 8290
Total HxCDD	ND	42	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	13	pg	SW846 8290
Total HpCDD	ND	13	pg	SW846 8290
OCDD	ND	46	pg	SW846 8290
2,3,7,8-TCDF	ND CON	3.1	pg	SW846 8290
Total TCDF	12		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	6.4	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	6.3	pg	SW846 8290
Total PeCDF	ND	15	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	7.1	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	6.4	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	6.8	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.2	pg	SW846 8290
Total HxCDF	ND	7.1	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	10	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.4	pg	SW846 8290
Total HpCDF	ND	10	pg	SW846 8290
OCDF	ND	7.3	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	84	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	86	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-02

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-018 Work Order #....: EMX3G1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	9.6	pg	SW846 8290
Total TCDD	150		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	13	pg	SW846 8290
Total PeCDD	360		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	13	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	19	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	29	pg	SW846 8290
Total HxCDD	610		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	82 J		pg	SW846 8290
Total HpCDD	210		pg	SW846 8290
OCDD	110 J		pg	SW846 8290
2,3,7,8-TCDF	ND CON	5.9	pg	SW846 8290
Total TCDF	95		pg	SW846 8290
1,2,3,7,8-PeCDF	ND	15	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	27	pg	SW846 8290
Total PeCDF	ND	41	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	35	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	19	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	17	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	5.5	pg	SW846 8290
Total HxCDF	ND	46	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	84 J		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	11	pg	SW846 8290
Total HpCDF	84		pg	SW846 8290
OCDF	ND	36	pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	83	(40 - 135)		
13C-1,2,3,7,8-PeCDD	73	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	73	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	75	(40 - 135)		
13C-OCDD	82	(40 - 135)		
13C-2,3,7,8-TCDF	72	(40 - 135)		
13C-1,2,3,7,8-PeCDF	64	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	70	(40 - 135)		

NOTE(S):

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-03

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-019 Work Order #...: EMX3H1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300162
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	8.6	pg	SW846 8290
Total TCDD	1400		pg	SW846 8290
1,2,3,7,8-PeCDD	52 J		pg	SW846 8290
Total PeCDD	3100		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	44	pg	SW846 8290
1,2,3,6,7,8-HxCDD	75 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	51 J		pg	SW846 8290
Total HxCDD	3000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	230		pg	SW846 8290
Total HpCDD	600		pg	SW846 8290
OCDD	310		pg	SW846 8290
2,3,7,8-TCDF	49 CON		pg	SW846 8290
Total TCDF	1200		pg	SW846 8290
1,2,3,7,8-PeCDF	90 J		pg	SW846 8290
2,3,4,7,8-PeCDF	140		pg	SW846 8290
Total PeCDF	1600		pg	SW846 8290
1,2,3,4,7,8-HxCDF	130		pg	SW846 8290
1,2,3,6,7,8-HxCDF	64 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	54 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.4	pg	SW846 8290
Total HxCDF	670		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	220		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	22	pg	SW846 8290
Total HpCDF	220		pg	SW846 8290
OCDF	ND	46	pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	73	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	77	(40 - 135)
13C-1,2,3,7,8-PeCDF	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	67	(40 - 135)

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-04

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-020 Work Order #....: EMX3J1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	.72		pg	SW846 8290
Total TCDD	20000		pg	SW846 8290
1,2,3,7,8-PeCDD	220		pg	SW846 8290
Total PeCDD	18000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	130		pg	SW846 8290
1,2,3,6,7,8-HxCDD	220		pg	SW846 8290
1,2,3,7,8,9-HxCDD	140		pg	SW846 8290
Total HxCDD	9200		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	730		pg	SW846 8290
Total HpCDD	1700		pg	SW846 8290
OCDD	1200		pg	SW846 8290
2,3,7,8-TCDF	430 CON		pg	SW846 8290
Total TCDF	15000		pg	SW846 8290
1,2,3,7,8-PeCDF	500		pg	SW846 8290
2,3,4,7,8-PeCDF	610		pg	SW846 8290
Total PeCDF	10000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	480		pg	SW846 8290
1,2,3,6,7,8-HxCDF	280		pg	SW846 8290
2,3,4,6,7,8-HxCDF	230		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	22	pg	SW846 8290
Total HxCDF	3400		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	800		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	130		pg	SW846 8290
Total HpCDF	1400		pg	SW846 8290
OCDF	450		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	88	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-06

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-022 Work Order #....: EMX3L1AA Matrix.....: WIPE
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	31		pg	SW846 8290
Total TCDD	3500		pg	SW846 8290
1,2,3,7,8-PeCDD	240		pg	SW846 8290
Total PeCDD	15000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	220		pg	SW846 8290
1,2,3,6,7,8-HxCDD	330		pg	SW846 8290
1,2,3,7,8,9-HxCDD	200		pg	SW846 8290
Total HxCDD	14000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	980		pg	SW846 8290
Total HpCDD	2700		pg	SW846 8290
OCDD	930		pg	SW846 8290
2,3,7,8-TCDF	120 CON		pg	SW846 8290
Total TCDF	3200		pg	SW846 8290
1,2,3,7,8-PeCDF	370		pg	SW846 8290
2,3,4,7,8-PeCDF	670		pg	SW846 8290
Total PeCDF	6700		pg	SW846 8290
1,2,3,4,7,8-HxCDF	660		pg	SW846 8290
1,2,3,6,7,8-HxCDF	320		pg	SW846 8290
2,3,4,6,7,8-HxCDF	270		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	47	pg	SW846 8290
Total HxCDF	4100		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	180		pg	SW846 8290
Total HpCDF	1800		pg	SW846 8290
OCDF	300		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	70	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	77	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	75	(40 - 135)
13C-1,2,3,7,8-PeCDF	67	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	68	(40 - 135)

NOTE(S):

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-07

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-023 Work Order #....: EMX3Q1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	65		pg	SW846 8290
Total TCDD	10000		pg	SW846 8290
1,2,3,7,8-PeCDD	240		pg	SW846 8290
Total PeCDD	18000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	160		pg	SW846 8290
1,2,3,6,7,8-HxCDD	270		pg	SW846 8290
1,2,3,7,8,9-HxCDD	160		pg	SW846 8290
Total HxCDD	11000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	850		pg	SW846 8290
Total HpCDD	2200		pg	SW846 8290
OCDD	910		pg	SW846 8290
2,3,7,8-TCDF	370 CON		pg	SW846 8290
Total TCDF	8400		pg	SW846 8290
1,2,3,7,8-PeCDF	540		pg	SW846 8290
2,3,4,7,8-PeCDF	810		pg	SW846 8290
Total PeCDF	11000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	550		pg	SW846 8290
1,2,3,6,7,8-HxCDF	290		pg	SW846 8290
2,3,4,6,7,8-HxCDF	250		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	34	pg	SW846 8290
Total HxCDF	4100		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	970		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	190		pg	SW846 8290
Total HpCDF	1800		pg	SW846 8290
OCDF	510		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	71	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	77	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	67	(40 - 135)
13C-1,2,3,7,8-PeCDF	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	65	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-08

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-024 Work Order #...: EMX3R1AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300162
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	10 J		pg	SW846 8290
Total TCDD	1400		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	49	pg	SW846 8290
Total PeCDD	3100		pg	SW846 8290
1,2,3,4,7,8-HxCDD	60 J		pg	SW846 8290
1,2,3,6,7,8-HxCDD	100		pg	SW846 8290
1,2,3,7,8,9-HxCDD	68 J		pg	SW846 8290
Total HxCDD	4300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	470		pg	SW846 8290
Total HpCDD	1100		pg	SW846 8290
OCDD	560		pg	SW846 8290
2,3,7,8-TCDF	44 CON		pg	SW846 8290
Total TCDF	1200		pg	SW846 8290
1,2,3,7,8-PeCDF	100		pg	SW846 8290
2,3,4,7,8-PeCDF	120		pg	SW846 8290
Total PeCDF	1500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	220		pg	SW846 8290
1,2,3,6,7,8-HxCDF	120		pg	SW846 8290
2,3,4,6,7,8-HxCDF	97 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	12	pg	SW846 8290
Total HxCDF	1300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	540		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	89 J		pg	SW846 8290
Total HpCDF	940		pg	SW846 8290
OCDF	270		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	105	(40 - 135)
13C-OCDD	107	(40 - 135)
13C-2,3,7,8-TCDF	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	100	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-09

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-025
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Work Order #....: EMX3T1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	16 J		pg	SW846 8290
Total TCDD	1900		pg	SW846 8290
1,2,3,7,8-PeCDD	ND	50	pg	SW846 8290
Total PeCDD	3100		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	44	pg	SW846 8290
1,2,3,6,7,8-HxCDD	73 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	42	pg	SW846 8290
Total HxCDD	2800		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	240		pg	SW846 8290
Total HpCDD	600		pg	SW846 8290
OCDD	250		pg	SW846 8290
2,3,7,8-TCDF	53 CON		pg	SW846 8290
Total TCDF	1500		pg	SW846 8290
1,2,3,7,8-PeCDF	87 J		pg	SW846 8290
2,3,4,7,8-PeCDF	150		pg	SW846 8290
Total PeCDF	1600		pg	SW846 8290
1,2,3,4,7,8-HxCDF	140		pg	SW846 8290
1,2,3,6,7,8-HxCDF	76 J		pg	SW846 8290
2,3,4,6,7,8-HxCDF	65 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.0	pg	SW846 8290
Total HxCDF	750		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	230		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	35	pg	SW846 8290
Total HpCDF	350		pg	SW846 8290
OCDF	ND	98	pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	92	(40 - 135)		
13C-1,2,3,7,8-PeCDD	93	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	83	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	85	(40 - 135)		
13C-OCDD	96	(40 - 135)		
13C-2,3,7,8-TCDF	84	(40 - 135)		
13C-1,2,3,7,8-PeCDF	79	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	75	(40 - 135)		

NOTE(S) :

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-10-10

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-026
 Date Sampled....: 10/26/01
 Prep Date.....: 10/27/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Work Order #....: EMX3V1AA
 Date Received...: 10/27/01
 Analysis Date...: 10/29/01

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	14 J		pg	SW846 8290
Total TCDD	2000		pg	SW846 8290
1,2,3,7,8-PeCDD	60 J		pg	SW846 8290
Total PeCDD	3500		pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	44	pg	SW846 8290
1,2,3,6,7,8-HxCDD	75 J		pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	49	pg	SW846 8290
Total HxCDD	2900		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	250		pg	SW846 8290
Total HpCDD	620		pg	SW846 8290
OCDD	280		pg	SW846 8290
2,3,7,8-TCDF	61 CON		pg	SW846 8290
Total TCDF	1400		pg	SW846 8290
1,2,3,7,8-PeCDF	99 J		pg	SW846 8290
2,3,4,7,8-PeCDF	170		pg	SW846 8290
Total PeCDF	1800		pg	SW846 8290
1,2,3,4,7,8-HxCDF	140		pg	SW846 8290
1,2,3,6,7,8-HxCDF	100		pg	SW846 8290
2,3,4,6,7,8-HxCDF	87 J		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.7	pg	SW846 8290
Total HxCDF	830		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	240		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	32	pg	SW846 8290
Total HpCDF	300		pg	SW846 8290
OCDF	ND	98	pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	97	(40 - 135)		
13C-1,2,3,7,8-PeCDD	91	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	101	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)		
13C-OCDD	94	(40 - 135)		
13C-2,3,7,8-TCDF	88	(40 - 135)		
13C-1,2,3,7,8-PeCDF	84	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	94	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)		

NOTE(S) :

J Estimated result. Result is less than the reporting limit.
 CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-02

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-027 Work Order #....: EMX3W1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	66		pg	SW846 8290
Total TCDD	6900		pg	SW846 8290
1,2,3,7,8-PeCDD	350		pg	SW846 8290
Total PeCDD	17000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	230		pg	SW846 8290
1,2,3,6,7,8-HxCDD	410		pg	SW846 8290
1,2,3,7,8,9-HxCDD	280		pg	SW846 8290
Total HxCDD	16000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	1200		pg	SW846 8290
Total HpCDD	2900		pg	SW846 8290
OCDD	1300		pg	SW846 8290
2,3,7,8-TCDF	240 CON		pg	SW846 8290
Total TCDF	4400		pg	SW846 8290
1,2,3,7,8-PeCDF	540		pg	SW846 8290
2,3,4,7,8-PeCDF	730		pg	SW846 8290
Total PeCDF	8500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	730		pg	SW846 8290
1,2,3,6,7,8-HxCDF	400		pg	SW846 8290
2,3,4,6,7,8-HxCDF	410		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	36	pg	SW846 8290
Total HxCDF	4600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg	SW846 8290
Total HpCDF	1800		pg	SW846 8290
OCDF	460		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	(40 - 135)
13C-1,2,3,7,8-PeCDD	99	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	98	(40 - 135)
13C-2,3,7,8-TCDF	107	(40 - 135)
13C-1,2,3,7,8-PeCDF	88	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-03

Trace Level Organic Compounds

Lot-Sample #....: G1J270136-028 Work Order #....: EMX3X1AA
 Date Sampled....: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	190		pg	SW846 8290
Total TCDD	61000		pg	SW846 8290
1,2,3,7,8-PeCDD	440		pg	SW846 8290
Total PeCDD	34000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	210		pg	SW846 8290
1,2,3,6,7,8-HxCDD	420		pg	SW846 8290
1,2,3,7,8,9-HxCDD	230		pg	SW846 8290
Total HxCDD	16000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	1300		pg	SW846 8290
Total HpCDD	2900		pg	SW846 8290
OCDD	2700		pg	SW846 8290
2,3,7,8-TCDF	1200 CON		pg	SW846 8290
Total TCDF	38000		pg	SW846 8290
1,2,3,7,8-PeCDF	1000		pg	SW846 8290
2,3,4,7,8-PeCDF	1500		pg	SW846 8290
Total PeCDF	22000		pg	SW846 8290
1,2,3,4,7,8-HxCDF	800		pg	SW846 8290
1,2,3,6,7,8-HxCDF	610		pg	SW846 8290
2,3,4,6,7,8-HxCDF	520		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	40	pg	SW846 8290
Total HxCDF	6300		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1400		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	190		pg	SW846 8290
Total HpCDF	2200		pg	SW846 8290
OCDF	710		pg	SW846 8290
INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS		
13C-2,3,7,8-TCDD	85	(40 - 135)		
13C-1,2,3,7,8-PeCDD	85	(40 - 135)		
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)		
13C-OCDD	83	(40 - 135)		
13C-2,3,7,8-TCDF	88	(40 - 135)		
13C-1,2,3,7,8-PeCDF	73	(40 - 135)		
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)		
13C-1,2,3,4,6,7,8-HpCDF	83	(40 - 135)		

NOTE(S) :

CON Confirmation analysis.

EMTEQUE CORPORATION

Client Sample ID: D-12-05

Trace Level Organic Compounds

Lot-Sample #...: G1J270136-029 Work Order #...: EMX301AA
 Date Sampled...: 10/26/01 Date Received...: 10/27/01
 Prep Date.....: 10/27/01 Analysis Date...: 10/29/01
 Prep Batch #...: 1300163
 Dilution Factor: 1

Matrix.....: WIPE

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	63		pg	SW846 8290
Total TCDD	7900		pg	SW846 8290
1,2,3,7,8-PeCDD	390		pg	SW846 8290
Total PeCDD	21000		pg	SW846 8290
1,2,3,4,7,8-HxCDD	300		pg	SW846 8290
1,2,3,6,7,8-HxCDD	480		pg	SW846 8290
1,2,3,7,8,9-HxCDD	300		pg	SW846 8290
Total HxCDD	19000		pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	1400		pg	SW846 8290
Total HpCDD	3700		pg	SW846 8290
OCDD	1600		pg	SW846 8290
2,3,7,8-TCDF	380 CON		pg	SW846 8290
Total TCDF	6500		pg	SW846 8290
1,2,3,7,8-PeCDF	660		pg	SW846 8290
2,3,4,7,8-PeCDF	900		pg	SW846 8290
Total PeCDF	9500		pg	SW846 8290
1,2,3,4,7,8-HxCDF	850		pg	SW846 8290
1,2,3,6,7,8-HxCDF	470		pg	SW846 8290
2,3,4,6,7,8-HxCDF	460		pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	41	pg	SW846 8290
Total HxCDF	5600		pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	1600		pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	260		pg	SW846 8290
Total HpCDF	2700		pg	SW846 8290
OCDF	680		pg	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	85	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	69	(40 - 135)
13C-1,2,3,7,8-PeCDF	65	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	75	(40 - 135)

NOTE(S):

CON Confirmation analysis.

QC DATA ASSOCIATION SUMMARY

G1J270136

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WIPE	SW846 8290		1300162	
002	WIPE	SW846 8290		1300162	
003	WIPE	SW846 8290		1300162	
004	WIPE	SW846 8290		1300162	
005	WIPE	SW846 8290		1300162	
006	WIPE	SW846 8290		1300162	
007	WIPE	SW846 8290		1300162	
008	WIPE	SW846 8290		1300162	
009	WIPE	SW846 8290		1300162	
010	SOLID	SW846 8290		1300159	
011	SOLID	SW846 8290		1300159	
012	WIPE	SW846 8290		1300162	
013	WIPE	SW846 8290		1300162	
014	SOLID	SW846 8290		1300159	
015	WIPE	SW846 8290		1300162	
016	WIPE	SW846 8290		1300162	
017	WIPE	SW846 8290		1300162	
018	WIPE	SW846 8290		1300162	
019	WIPE	SW846 8290		1300162	
020	WIPE	SW846 8290		1300162	
021	SOLID	SW846 8290		1300159	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G1J270136

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
022	WIPE	SW846 8290		1300162	
023	WIPE	SW846 8290		1300162	
024	WIPE	SW846 8290		1300162	
025	WIPE	SW846 8290		1300163	
026	WIPE	SW846 8290		1300163	
027	WIPE	SW846 8290		1300163	
028	WIPE	SW846 8290		1300163	
029	WIPE	SW846 8290		1300163	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270136
 MB Lot-Sample #: G1J270000-162

Work Order #...: EM0F41AA

Matrix.....: WIPE

Analysis Date...: 10/28/01
 Dilution Factor: 1

Prep Date.....: 10/27/01
 Prep Batch #...: 1300162

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	5.4	pg	SW846 8290
Total TCDD	ND	6.8	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	9.1	pg	SW846 8290
Total PeCDD	ND	9.1	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	4.4	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	4.8	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	4.3	pg	SW846 8290
Total HxCDD	ND	4.8	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	3.5	pg	SW846 8290
Total HpCDD	ND	3.5	pg	SW846 8290
OCDD	ND	7.0	pg	SW846 8290
2,3,7,8-TCDF	ND	4.7	pg	SW846 8290
Total TCDF	ND	4.7	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	5.8	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	5.7	pg	SW846 8290
Total PeCDF	ND	5.9	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.4	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.3	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.5	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.7	pg	SW846 8290
Total HxCDF	ND	2.7	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	3.8	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.5	pg	SW846 8290
Total HpCDF	ND	4.5	pg	SW846 8290
OCDF	ND	5.3	pg	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	57	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	63	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G1J270136
 MB Lot-Sample #: G1J270000-163

Work Order #...: EM0F81AA

Matrix.....: WIPE

Analysis Date...: 10/28/01
 Dilution Factor: 1

Prep Date.....: 10/27/01

Prep Batch #...: 1300163

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.1	pg	SW846 8290
Total TCDD	ND	3.1	pg	SW846 8290
1,2,3,7,8-PeCDD	ND	4.5	pg	SW846 8290
Total PeCDD	ND	4.5	pg	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.3	pg	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.2	pg	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.2	pg	SW846 8290
Total HxCDD	ND	2.3	pg	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.1	pg	SW846 8290
Total HpCDD	ND	1.1	pg	SW846 8290
OCDD	ND	3.5	pg	SW846 8290
2,3,7,8-TCDF	ND	6.7	pg	SW846 8290
Total TCDF	ND	6.7	pg	SW846 8290
1,2,3,7,8-PeCDF	ND	3.1	pg	SW846 8290
2,3,4,7,8-PeCDF	ND	3.1	pg	SW846 8290
Total PeCDF	ND	4.3	pg	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.0	pg	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.98	pg	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.1	pg	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.2	pg	SW846 8290
Total HxCDF	ND	1.2	pg	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.1	pg	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.3	pg	SW846 8290
Total HpCDF	ND	1.3	pg	SW846 8290
OCDF	ND	2.7	pg	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	74	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	85	(40 - 135)
13C-OCDD	85	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	81	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136 Work Order #....: EM0F41AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-162
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	222	PG	111	SW846 8290
1,2,3,7,8-PeCDD	1000	985	PG	99	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1000	PG	100	SW846 8290
1,2,3,6,7,8-HxCDD	1000	989	PG	99	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1010	PG	101	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	968	PG	97	SW846 8290
OCDD	2000	1890	PG	94	SW846 8290
2,3,7,8-TCDF	200	198	PG	99	SW846 8290
1,2,3,7,8-PeCDF	1000	1000	PG	100	SW846 8290
2,3,4,7,8-PeCDF	1000	1050	PG	105	SW846 8290
1,2,3,4,7,8-HxCDF	1000	981	PG	98	SW846 8290
1,2,3,6,7,8-HxCDF	1000	952	PG	95	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1010	PG	101	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1040	PG	104	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	962	PG	96	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	967	PG	97	SW846 8290
OCDF	2000	1750	PG	87	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	69	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136 Work Order #....: EM0F41AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-162
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300162
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	111	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDD	99	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDD	100	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDD	99	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDD	101	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDD	97	(50 - 150)	SW846 8290
OCDD	94	(50 - 150)	SW846 8290
2,3,7,8-TCDF	99	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDF	100	(50 - 150)	SW846 8290
2,3,4,7,8-PeCDF	105	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDF	98	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDF	95	(50 - 150)	SW846 8290
2,3,4,6,7,8-HxCDF	101	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDF	104	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDF	96	(50 - 150)	SW846 8290
1,2,3,4,7,8,9-HpCDF	97	(50 - 150)	SW846 8290
OCDF	87	(50 - 150)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	69	(40 - 135)
13C-1,2,3,7,8-PeCDD	90	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	78	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136 Work Order #....: EM0F81AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-163
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	202	pg	101	SW846 8290
1,2,3,7,8-PeCDD	1000	953	pg	95	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1110	pg	111	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1010	pg	101	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1100	pg	110	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	997	pg	100	SW846 8290
OCDD	2000	2040	pg	102	SW846 8290
2,3,7,8-TCDF	200	199	pg	99	SW846 8290
1,2,3,7,8-PeCDF	1000	1070	pg	107	SW846 8290
2,3,4,7,8-PeCDF	1000	1050	pg	105	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1050	pg	105	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1070	pg	107	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1100	pg	110	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1130	pg	113	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1000	pg	100	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1060	pg	106	SW846 8290
OCDF	2000	2180	pg	109	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G1J270136 Work Order #....: EM0F81AC Matrix.....: WIPE
 LCS Lot-Sample#: G1J270000-163
 Prep Date.....: 10/27/01 Analysis Date...: 10/28/01
 Prep Batch #....: 1300163
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	101	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDD	95	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDD	111	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDD	101	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDD	110	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	(50 - 150)	SW846 8290
OCDD	102	(50 - 150)	SW846 8290
2,3,7,8-TCDF	99	(50 - 150)	SW846 8290
1,2,3,7,8-PeCDF	107	(50 - 150)	SW846 8290
2,3,4,7,8-PeCDF	105	(50 - 150)	SW846 8290
1,2,3,4,7,8-HxCDF	105	(50 - 150)	SW846 8290
1,2,3,6,7,8-HxCDF	107	(50 - 150)	SW846 8290
2,3,4,6,7,8-HxCDF	110	(50 - 150)	SW846 8290
1,2,3,7,8,9-HxCDF	113	(50 - 150)	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	(50 - 150)	SW846 8290
1,2,3,4,7,8,9-HpCDF	106	(50 - 150)	SW846 8290
OCDF	109	(50 - 150)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	77	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	76	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



ANALYTICAL SERVICES

Certificate of Analysis

CLIENT INFORMATION

Attention: Fred Usbeck
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: AN970416
Date Received: 31-Oct-2001
Date Reported: 05-Nov-2001

Submission No.: 1J1257
Sample No.: 067368-067370

NOTES:

"-" - 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)

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:

cc: Neil Feldscher 212-631-8066

Certified by:

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P.02/03

11/6/2001

PASC - Certificate of Analysis

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Component	Client ID:		Method	Blank	% Recovery	D	D
	Lab No.:		Blank	Spike		10-05-D	11-09-D
	Date Sampled:		067368 01	067368 01	067368 02	067369 01	067370 01
	MDL	Units	26-Oct-2001	26-Oct-2001	26-Oct-2002	26-Oct-2001	26-Oct-2001
Total Tetrachlorodibenzofurans	pg/g	<0.21	130	-	16000	39000	
Total Pentachlorodibenzofurans	"	<0.46	800	-	8700	19000	
Total Hexachlorodibenzofurans	"	0.27	1200	-	4000	6100	
Total Heptachlorodibenzofurans	"	0.32	630	-	550	430	
Octachlorodibenzofuran	"	1.3	540	-	20000	5000	
Total Tetrachlorodibenzo-p-dioxins	"	<0.23	140	-	26000	72000	
Total Pentachlorodibenzo-p-dioxins	"	<0.23	300	-	5200	12000	
Total Hexachlorodibenzo-p-dioxins	"	<0.87	930	-	5200	10000	
Total Heptachlorodibenzo-p-dioxins	"	<0.30	320	-	1300	2200	
Octachlorodibenzo-p-dioxin	"	0.70	610	-	1800	2200	
Internal Recoveries	%						
2,3,7,8-T4CDF-13C12		75	75	75	64	71	
2,3,7,8-T4CDD-13C12		84	77	77	69	73	
1,2,3,7,8-P5CDF-13C12		63	66	66	57	61	
1,2,3,7,8-P5CDD-13C12		98	100	100	83	90	
1,2,3,4,7,8-H6CDF-13C12		75	77	77	61	62	
1,2,3,6,7,8-H6CDD-13C12		92	89	89	72	71	
1,2,3,4,6,7,8-H7CDF-13C12		88	82	82	68	71	
1,2,3,4,6,7,8-H7CDD-13C12		104	100	100	76	75	
OCDD-13C12		118	115	115	88	92	
2,3,7,8-Cl4-Dibenzofuran (DB5)	pg/g	<0.21	130	100	2500	5900	
2,3,7,8-Cl4-Dibenzo-p-dioxin	"	<0.23	140	104	52	120	
1,2,3,7,8-Cl5-Dibenzofuran	"	<0.45	370	115	490	780	
2,3,4,7,8-Cl5-Dibenzofuran	"	<0.48	430	131	700	1400	
1,2,3,7,8-Cl5-Dibenzo-p-dioxin	"	<0.23	300	92	100	220	
1,2,3,4,7,8-Cl6-Dibenzofuran	"	<0.27	300	93	740	1100	
1,2,3,6,7,8-Cl6-Dibenzofuran	"	0.24	310	94	310	410	
2,3,4,6,7,8-Cl6-Dibenzofuran	"	<0.21	330	101	230	370	
1,2,3,7,8,9-Cl6-Dibenzofuran	"	<0.23	280	86	71	100	
1,2,3,4,7,8-Cl6-Dibenzo-p-dioxin	"	<0.24	300	92	71	140	
1,2,3,6,7,8-Cl6-Dibenzo-p-dioxin	"	<0.25	330	101	130	230	
1,2,3,7,8,9-Cl6-Dibenzo-p-dioxin	"	<0.23	300	93	180	350	
1,2,3,4,6,7,8-Cl7-Dibenzofuran	"	<0.29	310	94	<890	<980	
1,2,3,4,7,8,9-Cl7-Dibenzofuran	"	<0.28	330	103	360	230	
1,2,3,4,6,7,8-Cl7-Dibenzo-p-dioxin	"	<0.30	320	98	570	980	
1,2,3,4,6,7,8,9-Cl8-Dibenzofuran	"	1.3	540	84	20000	5000	
1,2,3,4,6,7,8,9-Cl8-Dibenzo-p-dioxin	"	0.70	610	94	1800	2200	
Dilution Factor		1.0	1.0	-	10	10	
2,3,7,8-TCDF (DB225)	pg/g	Pending	-		Pending	Pending	
Internal Recoveries	%						
2,3,7,8-TCDF-13C12		Pending	-		Pending	Pending	

Client: Philip Analytical Services Inc Project: Misc.

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11/6/2001

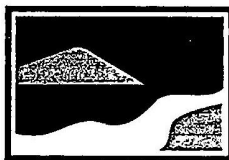
PASC - Summary of Analysis Pre. Dates

Page MS-3 of 3

Batch Code: 1031MG01
Total Tetrachlorodibenzofurans 067368 01
067369 01
067370 01
Date Analysed: 01/11/02
Date Prepared: 01/10/31

Batch Code: 1031MG01
2,3,7,8-Cl4-Dibenzofuran (DB5) 067368 01
067369 01
067370 01
Date Analysed: 01/11/02
Date Prepared: 01/10/31

Client:Philip Analytical Services Inc Project:Misc.



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