211036

Vol - 1

ICM LABORATORIES
1152 ROUTE 10
RANDOLPH, NJ 07869
201-584-0330
FAX 201-584-0515

ANALYTICAL DATA REPORT PACKAGE

December 24, 1997

ROY F. WESTON, INC.

RFP#2272

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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INDUSTRIAL CORROSION MANAGEMENT, INC.
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201-584-0330

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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330

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PPPPNS2	Lab #278230
PPPPND1	Lab #278231
PPPPND2	Lab #278232
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QQQQNS3	Lab #278235
QQQQND1	Lab #278236
QQQQND2	Lab #278237
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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
201-584-0330

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ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 201-584-0330 FAX: 201-584-0515

DECEMBER 24, 1997
11:41:23

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT--FOOTNOTE PAGE

U = Indicates a compound was analyzed for but not detected.
For results marked U, the numerical value is the compound MDL or PQL.

J = Indicates an estimated value. It is utilized when a reported value meets the identification.
criteria but the result is less than the specified detection limit and greater than zero.

B = Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.

W = Analytical Spike recovery for furnace AA analysis was not within control limits but was greater than or equal to 40%.

NA = Not Applicable; P = Positive; N = Negative

IND = Indeterminable - compound decomposes in water.

+ = Indicates that an MDL was not available for this compound. PQL was reported.
++ = Sample boiled at 100 degree C with no flash

NOTES
ROBIN

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:38:24

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	CCCCNS1		CCCCNS2		CCCCNS3		CCCCND1		CCCCND2		CCCCSS1		CCCCSS2		CCCCSD1		CCCCSD2	
ICM Sample Number	278120		278121		278122		278123		278124		278125		278126		278127		278128	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	230	U	250	U	230	U	45	U	490	U	45	U	42	U	63	U	42	U
Aroclor-1221	460	U	490	U	460	U	90	U	980	U	90	U	84	U	130	U	85	U
Aroclor-1232	230	U	250	U	230	U	45	U	490	U	45	U	42	U	63	U	42	U
Aroclor-1242	230	U	250	U	230	U	45	U	490	U	45	U	42	U	63	U	42	U
Aroclor-1248	230	U	250	U	230	U	45	U	490	U	45	U	42	U	63	U	42	U
Aroclor-1254	4600		4100		3900		640		11000		140		42	U	1300		460	
Aroclor-1260	230	U	250	U	230	U	45	U	490	U	45	U	42	U	63	U	42	U

002

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:38:32

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	DDDDNS1		DDDDNS2		DDDDND1		DDDDND2		DDDDSS1		DDDDSS2		DDDDSD1		DDDDSD2		EEEENS1	
ICM Sample Number	278129		278130		278131		278132		278133		278134		278135		278136		278137	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	460	U	470	U	1300	U	540	U	470	U	44	U	41	U	46	U	42	U
Aroclor-1221	930	U	940	U	2700	U	1100	U	940	U	88	U	82	U	91	U	84	U
Aroclor-1232	460	U	470	U	1300	U	540	U	470	U	44	U	41	U	46	U	42	U
Aroclor-1242	460	U	470	U	1300	U	540	U	470	U	44	U	41	U	46	U	42	U
Aroclor-1248	460	U	470	U	1300	U	540	U	470	U	44	U	41	U	46	U	42	U
Aroclor-1254	7500		5400		26000		8200		6800		96		120		310		1500	
Aroclor-1260	460	U	470	U	1300	U	540	U	470	U	44	U	41	U	46	U	42	U

003

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:38:45

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	EEEENS2		EEEENS3		EEEEND1		EEEEND2		EEEESS1		EEEESS2		EEEESD1		EEEESD2		FFFFSS1	
ICM Sample Number	278138		278139		278140		278141		278142		278143		278144		278145		278146	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	38	U	41	U	44	U	42	U	220	U	220	U	290	U	440	U	310	U
Aroclor-1221	75	U	83	U	87	U	83	U	440	U	440	U	580	U	890	U	630	U
Aroclor-1232	38	U	41	U	44	U	42	U	220	U	220	U	290	U	440	U	310	U
Aroclor-1242	38	U	41	U	44	U	42	U	220	U	220	U	290	U	440	U	310	U
Aroclor-1248	38	U	41	U	44	U	42	U	220	U	220	U	290	U	440	U	310	U
Aroclor-1254	38	U	1100		1800		42	U	4500		5200		4000		7900		4400	
Aroclor-1260	38	U	41	U	44	U	42	U	220	U	220	U	290	U	440	U	310	U

004

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
11:12:04

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	FFFFSS2		FFFFSD1		FFFFSD2		FFFFNS1		FFFFNS2		FFFFND1		FFFFND2		GGGGNS1		GGGGNS2	
ICM Sample Number	278147		278148		278149		278150		278151		278152		278153		278154		278155	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	280	U	870	U	800	U	300	U	42	U	43	U	41	U	49	U	50	U
Aroclor-1221	570	U	1700	U	1600	U	600	U	85	U	86	U	83	U	98	U	100	U
Aroclor-1232	280	U	870	U	800	U	300	U	42	U	43	U	41	U	49	U	50	U
Aroclor-1242	280	U	870	U	800	U	300	U	42	U	43	U	41	U	49	U	50	U
Aroclor-1248	280	U	870	U	800	U	300	U	42	U	43	U	41	U	49	U	50	U
Aroclor-1254	5300		16000		13000		4300		780		400		240		2000		1700	
Aroclor-1260	280	U	870	U	800	U	300	U	42	U	43	U	41	U	49	U	50	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
11:12:09

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	GGGGNS3		GGGGND1		GGGGND2		GGGGSS1	
ICM Sample Number	278156		278157		278158		278159	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG	
PCBs								
Aroclor-1016	49	U	530	U	690	U	61	U
Aroclor-1221	98	U	1100	U	1400	U	120	U
Aroclor-1232	49	U	530	U	690	U	61	U
Aroclor-1242	49	U	530	U	690	U	61	U
Aroclor-1248	49	U	530	U	690	U	61	U
Aroclor-1254	1800		5300		11000		1300	
Aroclor-1260	49	U	530	U	690	U	61	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:20:37

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	GGGGSS2		GGGGSD1		HHHHNS1		HHHHNS2		HHHHND1		HHHHND2		HHHHSS1		HHHHSS2		HHHHSD1	
ICM Sample Number	278160		278161		278162		278163		278164		278165		278166		278167		278168	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	74	U	800	U	260	U	53	U	330	U	1200	U	48	U	50	U	48	U
Aroclor-1221	150	U	1600	U	520	U	100	U	660	U	2400	U	96	U	99	U	96	U
Aroclor-1232	74	U	800	U	260	U	53	U	330	U	1200	U	48	U	50	U	48	U
Aroclor-1242	74	U	800	U	260	U	53	U	330	U	1200	U	48	U	50	U	48	U
Aroclor-1248	74	U	7500		260	U	53	U	330	U	1200	U	48	U	50	U	48	U
Aroclor-1254	1400		10000		3400		2400		4700		26000		150		200		720	
Aroclor-1260	74	U	800	U	260	U	53	U	330	U	1200	U	48	U	50	U	48	U

AMENDED REPORT JUN 0 2 1998

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ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:20:40

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	HHHHSD2		IIIISS1		IIIISS2		IIIISD1		IIIISD2		IIIINS1		IIIINS2		IIIINS3		IIIIND2	
ICM Sample Number	278169		278170		278171		278172		278173		278174		278175		278176		278177	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	47	U	41	U	38	U	39	U	36	U	88	U	590	U	91	U	67	U
Aroclor-1221	95	U	83	U	76	U	78	U	73	U	180	U	1200	U	180	U	130	U
Aroclor-1232	47	U	41	U	38	U	39	U	36	U	88	U	590	U	91	U	67	U
Aroclor-1242	47	U	41	U	38	U	39	U	36	U	88	U	590	U	91	U	67	U
Aroclor-1248	47	U	41	U	38	U	39	U	36	U	88	U	590	U	91	U	67	U
Aroclor-1254	150		280		150		79		36	U	2800		6800		2500		1800	
Aroclor-1260	47	U	41	U	38	U	39	U	36	U	88	U	590	U	91	U	67	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:20:44

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	JJJJSS1		JJJJSS2		JJJJSD1		JJJJSD2		JJJJNS1		JJJJNS2		JJJJND1		JJJJND2		CCCCSED(S)	
ICM Sample Number	278178		278179		278180		278181		278182		278183		278184		278185		278186	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	590	U	550	U	59	U	65	U	37	U	43	U	64	U	44	U	53	U
Aroclor-1221	1200	U	1100	U	120	U	130	U	74	U	86	U	130	U	88	U	100	U
Aroclor-1232	590	U	550	U	59	U	65	U	37	U	43	U	64	U	44	U	53	U
Aroclor-1242	590	U	550	U	59	U	65	U	37	U	43	U	64	U	44	U	53	U
Aroclor-1248	590	U	550	U	59	U	65	U	37	U	43	U	64	U	44	U	53	U
Aroclor-1254	8500		6600		1300		1200		840		630		170		1500		620	
Aroclor-1260	590	U	550	U	59	U	65	U	37	U	43	U	64	U	44	U	53	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:20:47

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	CCCCSED(D)		DDDDSED(S)		DDDDSED(D)		EEEESED(S)		FFFFSED(S)		GGGGSED(S)		GGGGSED(D)		HHHHSED(S)		HHHHSED(D)	
ICM Sample Number	278187		278188		278189		278190		278191		278192		278193		278194		278195	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	43	U	42	U	39	U	40	U	41	U	47	U	890	U	51	U	220	U
Aroclor-1221	85	U	85	U	77	U	81	U	82	U	95	U	1800	U	100	U	450	U
Aroclor-1232	43	U	42	U	39	U	40	U	41	U	47	U	890	U	51	U	220	U
Aroclor-1242	43	U	42	U	39	U	40	U	41	U	47	U	890	U	51	U	220	U
Aroclor-1248	43	U	42	U	39	U	40	U	41	U	47	U	890	U	51	U	220	U
Aroclor-1254	280		1100		50		450		1200		1600		9500		1700		3600	
Aroclor-1260	43	U	42	U	39	U	40	U	41	U	47	U	890	U	51	U	220	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:40:18

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	IIIISED(S)		IIIISED(D)		JJJJSED(S)		JJJJSED(D)	
ICM Sample Number	278196		278197		278198		278199	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG	
PCBs								
Aroclor-1016	40	U	40	U	41	U	39	U
Aroclor-1221	81	U	80	U	81	U	78	U
Aroclor-1232	40	U	40	U	41	U	39	U
Aroclor-1242	40	U	40	U	41	U	39	U
Aroclor-1248	40	U	40	U	41	U	39	U
Aroclor-1254	200		62		70		28	J
Aroclor-1260	40	U	40	U	41	U	39	U

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:40:53

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	KKKKSS1		KKKKSS2		KKKKSD1		LLLLSS1		LLLLSS2		MMMMSS1		MMMMSS2		KKKKNS1		KKKKNS2	
ICM Sample Number	278200		278201		278202		278203		278204		278205		278206		278207		278208	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	260	U	55	U	480	U	57	U	45	U	230	U	44	U	280	U	68	U
Aroclor-1221	520	U	110	U	960	U	110	U	90	U	460	U	89	U	560	U	140	U
Aroclor-1232	260	U	55	U	480	U	57	U	45	U	230	U	44	U	280	U	68	U
Aroclor-1242	260	U	55	U	480	U	57	U	45	U	230	U	44	U	280	U	68	U
Aroclor-1248	260	U	55	U	480	U	57	U	45	U	230	U	44	U	280	U	68	U
Aroclor-1254	3700		980		5400		190		180		3600		170		4900		2800	
Aroclor-1260	260	U	55	U	480	U	57	U	45	U	230	U	44	U	280	U	68	U

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:20:57

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	KKKKNS3		KKKKND1		KKKKND2		LLLLNS1		LLLLNS2		LLLLND1		LLLLND2		MMMMNS1		MMMMNS2	
ICM Sample Number	278209		278210		278211		278212		278213		278214		278215		278216		278217	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	290	U	670	U	300	U	49	U	54	U	620	U	860	U	44	U	40	U
Aroclor-1221	580	U	1300	U	610	U	98	U	110	U	1200	U	1700	U	88	U	80	U
Aroclor-1232	290	U	670	U	300	U	49	U	54	U	620	U	860	U	44	U	40	U
Aroclor-1242	290	U	670	U	300	U	49	U	54	U	620	U	860	U	44	U	40	U
Aroclor-1248	290	U	670	U	300	U	49	U	54	U	620	U	860	U	44	U	40	U
Aroclor-1254	6100		12000		4800		2300		1700		7100		14000		2000		1200	
Aroclor-1260	290	U	670	U	300	U	49	U	54	U	620	U	860	U	44	U	40	U

13 44
~~12~~ 6/2/98

AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:21:00

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	MMMMND1		MMMMND2		NNNNNS1		NNNNNS2		NNNNNS3		NNNNND1		NNNNND2		OOOONS1		OOOONS2	
ICM Sample Number	278218		278219		278220		278221		278222		278223		278224		278225		278226	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	230	U	330	U	290	U	270	U	270	U	61	U	52	U	40	U	240	U
Aroclor-1221	470	U	660	U	580	U	530	U	550	U	120	U	100	U	80	U	480	U
Aroclor-1232	230	U	330	U	290	U	270	U	270	U	61	U	52	U	40	U	240	U
Aroclor-1242	230	U	330	U	290	U	270	U	270	U	61	U	52	U	40	U	240	U
Aroclor-1248	230	U	330	U	290	U	270	U	270	U	61	U	52	U	40	U	240	U
Aroclor-1254	2600		4700		4200		3900		4100		2800		250		1300		3200	
Aroclor-1260	230	U	330	U	290	U	270	U	270	U	61	U	52	U	40	U	240	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

JUNE 2, 1998
12:21:04

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	OOOOND1		OOOOND2		PPPPNS1		PPPPNS2		PPPPND1		PPPPND2		QQQQNS1		QQQQNS2		QQQQNS3	
ICM Sample Number	278227		278228		278229		278230		278231		278232		278233		278234		278235	
Sampling Date	12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
PCBs																		
Aroclor-1016	270	U	580	U	230	U	570	U	52	U	630	U	240	U	240	U	240	U
Aroclor-1221	530	U	1200	U	460	U	1100	U	100	U	1200	U	490	U	480	U	480	U
Aroclor-1232	270	U	580	U	230	U	570	U	52	U	630	U	240	U	240	U	240	U
Aroclor-1242	270	U	580	U	230	U	570	U	52	U	630	U	240	U	240	U	240	U
Aroclor-1248	270	U	580	U	230	U	570	U	52	U	630	U	240	U	240	U	240	U
Aroclor-1254	3300		11000		3600		5800		2200		11000		4100		4000		4100	
Aroclor-1260	270	U	580	U	230	U	570	U	52	U	630	U	240	U	240	U	240	U

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AMENDED REPORT JUN 0 2 1998

ICM Laboratories
Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

DECEMBER 24, 1997
11:41:22

Client:
ROY F. WESTON, INC.
Source:
RFP#2272

ANALYTICAL DATA SUMMARY REPORT

Client ID	QQQQND1		QQQQND2		RB-1	
ICM Sample Number	278236		278237		278238	
Sampling Date	12/03/97		12/03/97		12/03/97	
Units	UG/KG		UG/KG		UG/L	
PCBs						
Aroclor-1016	720	U	880	U	0.5	U
Aroclor-1221	1400	U	1800	U	1.4	U
Aroclor-1232	720	U	880	U	0.8	U
Aroclor-1242	720	U	880	U	0.5	U
Aroclor-1248	720	U	880	U	0.6	U
Aroclor-1254	11000		12000		0.7	U
Aroclor-1260	720	U	880	U	0.8	U

INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
CCCCNS1	Soil	278120	12/03/97 09:55	12/04/97
CCCCNS2	Soil	278121	12/03/97 09:55	12/04/97
CCCCNS3	Soil	278122	12/03/97 09:55	12/04/97
CCCCND1	Soil	278123	12/03/97 10:00	12/04/97
CCCCND2	Soil	278124	12/03/97 10:00	12/04/97
CCCCSS1	Soil	278125	12/03/97 09:40	12/04/97
CCCCSS2	Soil	278126	12/03/97 09:40	12/04/97
CCCCSD1	Soil	278127	12/03/97 09:42	12/04/97
CCCCSD2	Soil	278128	12/03/97 09:46	12/04/97
DDDDNS1	Soil	278129	12/03/97 10:23	12/04/97
DDDDNS2	Soil	278130	12/03/97 10:20	12/04/97
DDDDND1	Soil	278131	12/03/97 10:28	12/04/97
DDDDND2	Soil	278132	12/03/97 10:24	12/04/97
DDDDSS1	Soil	278133	12/03/97 09:50	12/04/97
DDDDSS2	Soil	278134	12/03/97 09:50	12/04/97
DDDDSD1	Soil	278135	12/03/97 10:55	12/04/97
DDDDSD2	Soil	278136	12/03/97 09:55	12/04/97
EEEENS1	Soil	278137	12/03/97 10:40	12/04/97
EEEENS2	Soil	278138	12/03/97 10:40	12/04/97
EEEENS3	Soil	278139	12/03/97 10:40	12/04/97
EEEEND1	Soil	278140	12/03/97 10:50	12/04/97
EEEEND2	Soil	278141	12/03/97 10:45	12/04/97
EEEESS1	Soil	278142	12/03/97 10:04	12/04/97
EEEESS2	Soil	278143	12/03/97 10:04	12/04/97
EEEESD1	Soil	278144	12/03/97 10:06	12/04/97
EEEESD2	Soil	278145	12/03/97 10:08	12/04/97
FFFFSS1	Soil	278146	12/03/97 10:26	12/04/97
FFFFSS2	Soil	278147	12/03/97 10:26	12/04/97
FFFFSD1	Soil	278148	12/03/97 10:30	12/04/97
FFFFSD2	Soil	278149	12/03/97 10:33	12/04/97
FFFFNS1	Soil	278150	12/03/97 11:05	12/04/97
FFFFNS2	Soil	278151	12/03/97 11:05	12/04/97
FFFFND1	Soil	278152	12/03/97 11:10	12/04/97
FFFFND2	Soil	278153	12/03/97 11:10	12/04/97
GGGGNS1	Soil	278154	12/03/97 11:20	12/04/97

Continued on next page.

INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
GGGGNS2	Soil	278155	12/03/97 11:20	12/04/97
GGGGNS3	Soil	278156	12/03/97 11:20	12/04/97
GGGGND1	Soil	278157	12/03/97 11:30	12/04/97
GGGGND2	Soil	278158	12/03/97 11:25	12/04/97
GGGGSS1	Soil	278159	12/03/97 10:45	12/04/97

Supervisor/Manager Signature:

Sunil Tripathi/Thomas J. Mancuso

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INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
GGGGSS2	Soil	278160	12/03/97 10:45	12/04/97
GGGGSD1	Soil	278161	12/03/97 10:50	12/04/97
HHHHNS1	Soil	278162	12/03/97 11:45	12/04/97
HHHHNS2	Soil	278163	12/03/97 11:45	12/04/97
HHHHND1	Soil	278164	12/03/97 11:50	12/04/97
HHHHND2	Soil	278165	12/03/97 11:48	12/04/97
HHHHSS1	Soil	278166	12/03/97 11:00	12/04/97
HHHHSS2	Soil	278167	12/03/97 11:00	12/04/97
HHHHSD1	Soil	278168	12/03/97 11:02	12/04/97
HHHHSD2	Soil	278169	12/03/97 11:04	12/04/97
IIIISS1	Soil	278170	12/03/97 11:12	12/04/97
IIIISS2	Soil	278171	12/03/97 11:11	12/04/97
IIIISD1	Soil	278172	12/03/97 11:15	12/04/97
IIIISD2	Soil	278173	12/03/97 11:18	12/04/97
IIIINS1	Soil	278174	12/03/97 11:58	12/04/97
IIIINS2	Soil	278175	12/03/97 11:58	12/04/97
IIIINS3	Soil	278176	12/03/97 11:58	12/04/97
IIIIND2	Soil	278177	12/03/97 12:05	12/04/97
JJJJSS1	Soil	278178	12/03/97 11:30	12/04/97
JJJJSS2	Soil	278179	12/03/97 11:30	12/04/97
JJJJSD1	Soil	278180	12/03/97 11:35	12/04/97
JJJJSD2	Soil	278181	12/03/97 11:56	12/04/97
JJJJNS1	Soil	278182	12/03/97 12:10	12/04/97
JJJJNS2	Soil	278183	12/03/97 12:09	12/04/97
JJJJND1	Soil	278184	12/03/97 12:12	12/04/97
JJJJND2	Soil	278185	12/03/97 12:15	12/04/97
CCCCSED(S)	Soil	278186	12/03/97 15:03	12/04/97
CCCCSED(D)	Soil	278187	12/03/97 15:05	12/04/97
DDDDSED(S)	Soil	278188	12/03/97 14:50	12/04/97
DDDDSED(D)	Soil	278189	12/03/97 15:00	12/04/97
EEEESED(S)	Soil	278190	12/03/97 14:45	12/04/97
FFFFSED(S)	Soil	278191	12/03/97 14:35	12/04/97
GGGGSED(S)	Soil	278192	12/03/97 14:30	12/04/97
GGGGSED(D)	Soil	278193	12/03/97 14:31	12/04/97
HHHHSED(S)	Soil	278194	12/03/97 14:16	12/04/97

Continued on next page.

INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
HHHHSED(D)	Soil	278195	12/03/97 14:25	12/04/97
IIIISED(S)	Soil	278196	12/03/97 14:07	12/04/97
IIIISED(D)	Soil	278197	12/03/97 14:15	12/04/97
JJJJSED(S)	Soil	278198	12/03/97 14:00	12/04/97
JJJJSED(D)	Soil	278199	12/03/97 14:05	12/04/97

Supervisor/Manager Signature:

Sunil Tripathi/Thomas J. Mancuso

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INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
KKKKSS1	Soil	278200	12/03/97 15:40	12/04/97
KKKKSS2	Soil	278201	12/03/97 15:40	12/04/97
KKKKSD1	Soil	278202	12/03/97 15:45	12/04/97
LLLLSS1	Soil	278203	12/03/97 15:55	12/04/97
LLLLSS2	Soil	278204	12/03/97 14:56	12/04/97
MMMMSS1	Soil	278205	12/03/97 14:15	12/04/97
MMMMSS2	Soil	278206	12/03/97 16:14	12/04/97
KKKKNS1	Soil	278207	12/03/97 14:00	12/04/97
KKKKNS2	Soil	278208	12/03/97 14:00	12/04/97
KKKKNS3	Soil	278209	12/03/97 14:00	12/04/97
KKKKND1	Soil	278210	12/03/97 14:10	12/04/97
KKKKND2	Soil	278211	12/03/97 14:05	12/04/97
LLLLNS1	Soil	278212	12/03/97 14:18	12/04/97
LLLLNS2	Soil	278213	12/03/97 14:18	12/04/97
LLLLND1	Soil	278214	12/03/97 14:23	12/04/97
LLLLND2	Soil	278215	12/03/97 14:23	12/04/97
MMMMNS1	Soil	278216	12/03/97 14:38	12/04/97
MMMMNS2	Soil	278217	12/03/97 14:38	12/04/97
MMMMND1	Soil	278218	12/03/97 14:45	12/04/97
MMMMND2	Soil	278219	12/03/97 14:45	12/04/97
NNNNNS1	Soil	278220	12/03/97 14:53	12/04/97
NNNNNS2	Soil	278221	12/03/97 14:53	12/04/97
NNNNNS3	Soil	278222	12/03/97 14:53	12/04/97
NNNNND1	Soil	278223	12/03/97 14:57	12/04/97
NNNNND2	Soil	278224	12/03/97 14:58	12/04/97
OOOONS1	Soil	278225	12/03/97 15:10	12/04/97
OOOONS2	Soil	278226	12/03/97 15:10	12/04/97
OOOOND1	Soil	278227	12/03/97 15:15	12/04/97
OOOOND2	Soil	278228	12/03/97 15:15	12/04/97
PPPPNS1	Soil	278229	12/03/97 15:25	12/04/97
PPPPNS2	Soil	278230	12/03/97 15:25	12/04/97
PPPPND1	Soil	278231	12/03/97 15:32	12/04/97
PPPPND2	Soil	278232	12/03/97 15:30	12/04/97
QQQQNS1	Soil	278233	12/03/97 15:40	12/04/97
QQQQNS2	Soil	278234	12/03/97 15:40	12/04/97

Continued on next page.

INDUSTRIAL CORROSION MANAGEMENT, Inc.
1152 Route 10
Randolph, NJ 07869
973-584-0330
December 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

ANALYTICAL DATA REPORT PACKAGE

Client: ROY F. WESTON, INC.
Sampled By: Customer

SAMPLE ID:	MATRIX	LAB NUMBER	DATE & TIME COLLECTED	AT LAB DATE
QQQQNS3	Soil	278235	12/03/97 15:40	12/04/97
QQQQND1	Soil	278236	12/03/97 15:46	12/04/97
QQQQND2	Soil	278237	12/03/97 15:45	12/04/97
RB-1	Aqueous	278238	12/03/97 16:30	12/04/97

Supervisor/Manager Signature:

Sunil Tripathi/Thomas J. Mancuso

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INDUSTRIAL CORROSION MANAGEMENT, INC
1152 Route 10
Randolph, NJ 07869
Phone: 973-584-0330 FAX: 973-584-0515

THIS FORM MUST BE COMPLETED BY THE LABORATORY OR ENVIRONMENTAL CONSULTANT AND ACCOMPANY ALL DATA SUBMISSIONS

The following laboratory deliverables shall be included in the data submissions. All deviations from the accepted methodology and procedures or performance values outside acceptable ranges shall be summarized in the Non-Conformance statement. The NJDEP "Technical Requirements for Site Remediation" rules, effective June 7, 1993 and readopted February 18,1997 (operative date - July 18, 1997), provides further details. The document shall be bound and paginated, contain a table of contents, and all pages shall be legible. Incomplete packages will be returned or held without review until the data package is completed.

It is recommended that the analytical results &summary sheets listing all targeted and non-targeted compounds with the method detection limits be included in one section of the data package and in the main body of the report.

		Check if Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address$_1$ and date of report	✓
2.	Table of Contents	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds	✓
4	Summary Table cross-referencing field ID #'s vs. Lab ID #'s.	✓
5.	Document bound, paginated and legible	✓
6.	Chain of Custody	✓
7.	Methodology Summary	✓
6.	Laboratory Chronicle and Holding Time Check	✓
9.	Results submitted on a dry weight basis (if applicable)	✓
10.	Method Detection Limits	✓
11.	Lab certified by NJDEPE for parameters or appropriate category of parameters or a member of the USEPA CLP	✓
12.	Non-Conformance Summary	✓

ICM LABORATORIES
Quality Assurance Officer

Date

RFP No.: 0272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
CCCNS1	12/03/97/0955	5	L	G	6				X						MS/MSD 278120
NS2	0955								X						278121
NS3	0955								X						122
ND1	1000								X						123
ND2	1000								X						124
SS1	0940								X						125
SS2	0940								X						126
SD1	0942								X						127
SD2	0946								X						128
DDDDNS1	1023								X						129
NS2	1020								X						130

Comments:

Person Assuming Responsibility for Sample: M. Mahly — Time: 1730 — Date (MM/DD/YY): 12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahly	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

CHAIN OF CUSTODY RECORD

RFP No.: 2272

PO No.: 37961

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
DDDDND1	12/3/97/1028	5	L	G	6				X						278131
ND2	1024								X						132
SS1	0950								X						133
SS2	0950								X						134
SD1	1055								X						135
SD2	0955								X						136
EEEE NS1	1040								X						MS/MSD 137
NS2	1040								X						138
NS3	1040								X						139
ND1	1050								X						140
ND2	1045								X						141

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Malhotra	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Malhotra	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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CHAIN OF CUSTODY RECORD

RFP No.: 0272

PO No.: 37961

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-5116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
EEEE SS1	12/3/97 1004	5	L	G	6				X						278142
SS2	1004								X						143
SD1	1006								X						144
SD2	1008								X						145
FFFF SS1	1026								X						146
SS2	1026								X						147
SD1	1030								X						148
SD2	1033								X						149
NS1	1105								X						150
NS2	1105								X						151
ND1	1110								X						152

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahl	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahl	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 2272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-5116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
FFF ND2	12/3/97/1110	5	L	G	6				X						278153
GGGG NS1	1120								X						MS/MSD 154
NS2	1120								X						155
NS3	1120								X						156
ND1	1130								X						157
ND2	1125								X						158
SS1	1045								X						159
SS2	1045								X						160
SD1	1050								X						161
HHHH NS1	1145								X						162
NS2	1145								X						163

Comments:

Person Assuming Responsibility for Sample: M Mahoney — Time: 1730 — Date (MM/DD/YY): 12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M Mahoney	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

REF No.: 272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaiy, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL/CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
HHH ND1	12/3/97/1150	5	L	G	6				X					278164
ND2	1148								X					165
SS1	1100								X					166
SS2	1100								X					167
SD1	1102								X					168
SD2	1104								X					169
III SS1	1112								X					170
SS2	1111								X					171
SD1	1115								X					172
SD2	1118								X					173
NS1	1158								X					MS/MSD 174

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahfood	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahfood	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 2272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-5116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KEN	COR	REAC	OTHER
III NS2	12/03/97/1158	5	L	G	6				X						278175
NS3	1158								X						176
ND2	1205								X						177
JJJ SS1	1130								X						178
SS2	1130								X						179
SD1	1135								X						180
SD2	1156								X						181
NS1	1210								X						182
NS2	1209								X						183
ND1	1212								X						184
ND2	1215								X						185

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahrkas	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahrkas	1830	12/3/97	FEDEX 4811729580	DELIVER TO LAB
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

CHAIN OF CUSTODY RECORD

RFP No.: 2272

PO No.: 37961

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KIN	COR	REAC	OTHER
CCCSED(S)	12/03/97/1503	5	L	G	6				X						278186
↓ SED(D)	1505								X						187
DDDSED(S)	1450								X						188
↓ SED(D)	1500								X						189
EEEESED(S)	1445								X						190
FFFSED(S)	1435								X						191
GGGGSED(S)	1430								X						192
↓ SED(D)	1431								X						193
HHHHSED(S)	1416								X						194
↓ SED(D)	1425								X						195
IIISED(S)	1407								X						196

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Malinkay	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Malinkay	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

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RFP No.: 2272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
IIISED(D)	12/03/97/1415	5	L	G	6				X						278197
JJJSED(S)	1400								X						198
SED(D)	1405								X						199
KKKKSS1	1540								X						200
SS2	1540								X						201
SD1	1545								X						202
LLLSS1	1555								X						203
SS2	1456								X						204
mmmSS1	1415								X						205
SS2	1614								X						206
KKKKNS1	1400								X						MS/MSD 207

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Malhotra	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Malhotra	1830	12/3/97	FEDEX 4811729580	DELIVER TO LAB

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 4811729580	950	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 2272

PO No.: 37961

CHAIN OF CUSTODY RECORD

WESTON
MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaiy, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
XXX NS2	12/03/97/1400	5	L	G	6				X						278 208
NS3	1400								X						209
ND1	1410								X						210
ND2	1405								X						211
LLL NS1	1418								X						212
NS2	1418								X						213
ND1	1423								X						214
ND2	1423								X						215
MMMMNS1	1438								X						216
NS2	1438								X						217
ND1	@ 1445								X						218

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Malinkad	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Malinkad	1800	12/3/97	FEDEX 4811729580	DELIVER TO LAB
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 9272

PO No.: 8796

CHAIN OF CUSTODY RECORD

WESTON
MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-5116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
mmmm ND2	12/03/97/1445	5	L	G	6				X						278219
NNNN NS1	1453								X						MS/MSD 220
NS2	1453								X						221
NS3	1453								X						222
ND1	1457								X						223
ND2	1458								X						224
0000 NS1	1510								X						225
NS2	1510								X						226
ND1	1515								X						227
ND2	1515								X						228
~~PPPP NS1~~	~~1525~~								X						D

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahnkey	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahnkey	1830	12/3/97	FEDEX 4811729580	DELIVER TO LAB

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 4811729580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.: 2272

PO No.: 8796

CHAIN OF CUSTODY RECORD

WESTON
MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #s)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
PPPPNS1	12/03/97/1525	5	L	G	6				X						278229
NS2	1525								X						230
ND1	1532								X						231
ND2	1530								X						232
QQQQNS1	1540								X						MS/MSD 233
NS2	1540								X						234
NS3	1540								X						235
ND1	1546								X						236
ND2	1545								X						237
RB-1	12/03/97 1630								X						238 Rinsate Blank
									X						

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahfood	1730	12/3/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahfood	1800	12/3/97	FEDEX 481172 9580	DELIVER TO LAB
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	FEDEX 481172 9580	9:50	12/4/97	SHANNON CHARTERS	RECEIPT AT LAB 2.8°C
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

ICM Laboratories, Inc.
Internal Chain-of-Custody

BNK: 278120-278159

Account number: WA2513 ROY F. WESTON, INC.
Project: RFP#2272
Tier Level: Regulatory

Laboratory Person Breaking Seal on Shuttle: Shannon Charters

Title: Login

Lab Number	Relinq. By	Recd By	Date	Time	Reason for Transfer	Aliquot ID
All	[illegible]	JL	12/04/97	12/14 ~~9:54~~ 16:51	STORAGE	ALL
120-139,140-159	JL	ATY	12-5-97	9:30	PCB	841
120-139,140-159	ATY	JL	12-10-97	1300	storage	841
137,154	JL	ATY	12-11-97	8:30	PCB	843
137,154	ATY	PS	12-12-97	16:00	storage	843

ICM Laboratories, Inc.
Internal Chain-of-Custody

INK: 278160-278199

Account number: WA2513 ROY F. WESTON, INC.
Project: RFP#2272
Tier Level: Regulatory

Laboratory Person Breaking Seal on Shuttle: Shannon Charters
Title: Logi

Lab Number	Relinq. By	Recd. By	Date	Time	Reason for Transfer	Aliquot ID
All	[illegible]	[illegible]	12/04/97	15:15	STORAGE	ALL
all	JL	ATV	12-5-97	1600	PCB	BU1
all	ATV	JL	12-10-97	1300	Storage	8u1

ICM Laboratories, Inc.
Internal Chain-of-Custody

INK: 278200-278238

Account number: WA2513 ROY F. WESTON, INC.
Project: RFP#2272
Tier Level: Regulatory

Laboratory Person Breaking Seal on Shuttle: Shannon Charters

Title: Logic

Lab Number	Relinq. By	Recd. By	Date	Time	Reason for Transfer	Aliquot ID
All	[illegible]	JL	12/04/97	16:41	STORAGE	ALL 238/[illegible]
all	JL	AP	12-4-97	1600	PcB	8 u/, V1
all	AP	JL	12-10-97	1300	Storage	8 u/,

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278120
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278121
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278122
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278123
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278124
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278125
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278126
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278127
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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LABORATORY CHRONICLE

LAB #:	278128
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278129
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278130
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

04

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278131
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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LABORATORY CHRONICLE

LAB #:	278132
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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LABORATORY CHRONICLE

LAB #:	278133
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LABORATORY CHRONICLE

LAB #:	278134
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278135
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278136
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/05/97
PCB Analyzed:	12/08/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278137
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278138
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278139
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278140
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278141
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278142
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278143
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278144
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278145
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278146
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278147
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278148
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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DECEMBER 24, 1997

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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278149
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278150
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278151
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

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1152 Route 10
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278152
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

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1152 Route 10
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278153
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/11/97

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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278154
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278155
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278156
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/08/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278157
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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LABORATORY CHRONICLE

LAB #:	278158
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/10/97

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LABORATORY CHRONICLE

LAB #:	278159
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/09/97

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1152 Route 10
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LABORATORY CHRONICLE

LAB #:	278160
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
PCB Analyzed:	12/09/97

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LABORATORY CHRONICLE

LAB #:	278161
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278162
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278163
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278164
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278165
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278166
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LAB #:	278167
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LABORATORY CHRONICLE

LAB #:	278171
SOURCE:	RFP#2272
MATRIX:	Soil
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/06/97
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LABORATORY CHRONICLE

LAB #:	278172
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

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LABORATORY CHRONICLE

LAB #:	278173
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LABORATORY CHRONICLE

LAB #:	278174
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/09/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278175
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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1152 Route 10
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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
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LABORATORY CHRONICLE

LAB #:	278176
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278177
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/10/97

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278178
SOURCE:	RFP#2272
MATRIX:	Soil
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LAB #:	278179
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LABORATORY CHRONICLE

LAB #:	278180
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278181
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
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DECEMBER 24, 1997

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LABORATORY CHRONICLE

LAB #:	278182
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LABORATORY CHRONICLE

LAB #:	278183
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LAB #:	278184
SOURCE:	RFP#2272
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LABORATORY CHRONICLE

LAB #:	278185
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/10/97

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LABORATORY CHRONICLE

LAB #:	278186
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/10/97

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LABORATORY CHRONICLE

LAB #:	278187
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/10/97

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LABORATORY CHRONICLE

LAB #:	278188
SOURCE:	RFP#2272
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
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LABORATORY CHRONICLE

LAB #:	278189
SOURCE:	RFP#2272
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/11/97

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LAB #:	278190
SOURCE:	RFP#2272
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PCB Extracted:	12/08/97
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

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LABORATORY CHRONICLE

LAB #:	278193
SOURCE:	RFP#2272
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*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/08/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278194
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278195
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278196
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278197
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278198
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278199
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278200
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278201
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278202
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278203
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278204
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278205
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278206
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
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DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278207
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278208
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278209
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278210
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/14/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278211
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/14/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278212
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278213
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278214
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278215
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278216
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278217
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278218
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278219
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278220
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278221
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278222
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278223
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278224
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278225
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/11/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278226
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278227
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278228
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278229
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278230
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278231
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/12/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278232
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278233
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

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LABORATORY CHRONICLE

LAB #:	278234
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

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US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278235
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

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DECEMBER 24, 1997

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NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278236
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

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DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278237
SOURCE:	RFP#2272
MATRIX:	Soil
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/13/97

INDUSTRIAL CORROSION MANAGEMENT, INC.
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973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

LABORATORY CHRONICLE

LAB #:	278238
SOURCE:	RFP#2272
MATRIX:	Liquid (Aqueous)
DATE SAMPLED:	12/03/97
DATE RECEIPT:	12/04/97

*** GC PESTICIDES/PCB'S/HERBICIDES: ***

PCB Extracted:	12/09/97
PCB Analyzed:	12/14/97

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT

	NO	YES
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks)	____	____
2. Standards Summary Submitted	____	____
3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis	____	____

4. Blank Contamination - If yes, list compounds and concentrations in each blank:

a. VOA Fraction _____
b. B/N Fraction _____
c. Acid Fraction _____
d. Pesticides/PCB's _____
e. Other _____

5. Surrogate Recoveries Meet Criteria (if applicable) ____ ✓*

If not met, list those compounds and their recoveries which fall outside the acceptable range:

a. VOA Fraction _____
b. B/N Fraction _____
c. Acid Fraction _____
d. *Pesticides/PCB's The following samples had 1 surrogate outside QC limits: 278120 S,
e. Other 278124, 278129, 278137, 278178 and 278216

If not met, were the calculations checked and the results qualified as "estimated?" ____ N/A

6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria (if applicable) ____ ✓**

(If not met, list those compounds and their recoveries which fall outside the acceptable range)

a. VOA Fraction _____
b. B/N Fraction _____
c. Acid Fraction _____
d.** Pesticides/PCB's All the soil samples failed in the recoveries for Aroclor 1260, MS
e. Other is due to the interference of 1254 peaks in the samples.

7. Retention Time Shift Meet Criteria (if applicable) ____ ____

GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY FORMAT (CONTINUED)

	NO	YES
8. Extraction Holding Time Met	____	____

If not met, list number of days exceeded for each sample: _____

	NO	YES
9. Analysis Holding Time Met	____	____

If not met, list number of days exceeded for each sample: _____

Additional Comments: Aroclor 1254*3 run on 12/9/97 at 19:13 had 3 surrogates outside the windows - No samples were quantied to this standard and the standard run after fell back within the windows.

Quality Assurance Manager: Paula Koleno Blaze Date: _____

Organochlorine Pesticides and PCB's
*Test Methods for Evaluating Solid Wastes, SW846, 3rd edition
**Method 8080A

GC Extraction - Sonication Extraction
*Test Methods for Evaluating Solid Wastes, SW846, 3rd edition
**Method 3550A

* Indicates reference.
** Indicates method.

INDUSTRIAL CORROSION MANAGEMENT, INC.
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Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278120
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	28.18%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	230	120
Aroclor-1221	U	U	460	320
Aroclor-1232	U	U	230	180
Aroclor-1242	U	U	230	120
Aroclor-1248	U	U	230	140
Aroclor-1254	~~4600~~ 4800	U	230	160
Aroclor-1260	U	U	230	180

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD2B.CH
Acq On : 8 Dec 97 14:59 Operator:
Sample : 278120 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 16:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	133779	200698	9.724	10.091
Spiked Amount 40.000 Range 43 - 150 Recovery =					24.31%#	25.23%#
2) SA Decachlorobiphen	25.85f	21.41	218697	211078	9.399m	9.714
Spiked Amount 40.000 Range 24 - 154 Recovery =					23.50%#	24.29%
Target Compounds						
4) L1 Aroclor-1016{2}	9.34	7.58	36850	66120	54.353	75.924 #
5) L1 Aroclor-1016{3}	10.54	8.84	96003	134785	75.178	72.628
6) L1 Aroclor-1016{4}	0.00	9.19	0	242926	N.D.	288.021 #
7) L1 Aroclor-1016{5}	12.53	10.54	295247	492143	452.269	584.188 #
Sum Aroclor-1016			428100	935975	581.800	1020.761
Average Aroclor-1016					193.933	255.190
11) L2 Aroclor-1221{4}	0.00	8.84	0	134785	N.D.	981.341 #
Sum Aroclor-1221			0	134785	N.D.	981.341
Average Aroclor-1221					0.000	981.341
13) L3 Aroclor-1232{2}	9.34	7.58	36850	66120	118.660	180.132 #
14) L3 Aroclor-1232{3}	10.54	8.84	96003	134785	188.771	179.140
15) L3 Aroclor-1232{4}	12.53	9.19	295247	242926	936.104	720.077
16) L3 Aroclor-1232{5}	13.45	10.54	289271	492143	1275.220	1290.996
Sum Aroclor-1232			717371	935975	2518.756	2370.345
Average Aroclor-1232					629.689	592.586
18) L4 Aroclor-1242{2}	9.34	7.58	36850	66120	68.546	101.897 #
19) L4 Aroclor-1242{3}	10.54	8.84	96003	134785	98.766	96.635
21) L4 Aroclor-1242{5}	12.53	10.54	295247	492143	529.811	744.025 #
Sum Aroclor-1242			428100	693049	697.123	942.558
Average Aroclor-1242					232.374	314.186
22) L5 Aroclor-1248{1}	9.34	7.58	36850	66120	128.169	185.747 #
23) L5 Aroclor-1248{2}	10.54	8.84	96003	134785	114.444	111.161
24) L5 Aroclor-1248{3}	12.53	10.54	295247	492143	388.208	523.772 #
25) L5 Aroclor-1248{4}	13.45	10.81	289271	282149	407.260	325.295
26) L5 Aroclor-1248{5}	15.60	13.52	2716490	3265257	8183.151	9225.890

12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1602.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDATA\EA1602.D\ECD2B.CH
Acq On : 8 Dec 97 14:59 Operator:
Sample : 278120 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	137184	202382	9.645	9.347
Spiked Amount 40.000 Range 43 - 150 Recovery =					24.11%#	23.37%#
2) SA Decachlorobiphen	25.85	21.41	220622	224777	9.380	9.853
Spiked Amount 40.000 Range 24 - 154 Recovery =					23.45%#	24.63%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

161A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD2B.CH
Acq On : 8 Dec 97 14:59 Operator:
Sample : 278120 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 16:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1248			3433861	4240454	9221.231	10371.865
Average Aroclor-1248					1844.246	2074.373
27) L6 Aroclor-1254{1}	11.61	9.86	378612	1323669	1011.992	2147.471 #
28) L6 Aroclor-1254{2}	13.91	11.69	901363	1900796	~~1518.961~~	1538.880
29) L6 Aroclor-1254{3}	15.60	12.29	2716490	~~1215153~~	2090.675	~~1229.635~~ #
30) L6 Aroclor-1254{4}	16.52	13.52	1676887	3265257	2684.997	2331.976
31) L6 Aroclor-1254{5}	17.75	15.59	3084245	3895348	2542.890	2835.694
Sum Aroclor-1254			8757597	11600223	9849.516	10083.656
Average Aroclor-1254					~~1969.903~~ 2082.71	~~2016.731~~ 2220.98
32) L7 Aroclor-1260{1}	16.14	13.96	1198561	1805339	1233.701	1645.519 #
33) L7 Aroclor-1260{2}	16.52	14.60	1676887	1986896	1422.419	1364.710
34) L7 Aroclor-1260{3}	18.94	15.59	826989	3895348	996.805	2052.536 #
35) L7 Aroclor-1260{4}	19.48	17.42	713935	751601	372.498	337.069
36) L7 Aroclor-1260{5}	20.80	18.42	494555	591844	316.488	363.360
Sum Aroclor-1260			4910927	9031029	4341.911	5763.194
Average Aroclor-1260					868.382	1152.639

not the peak used for calibration

00 162

Drw 12/9/97

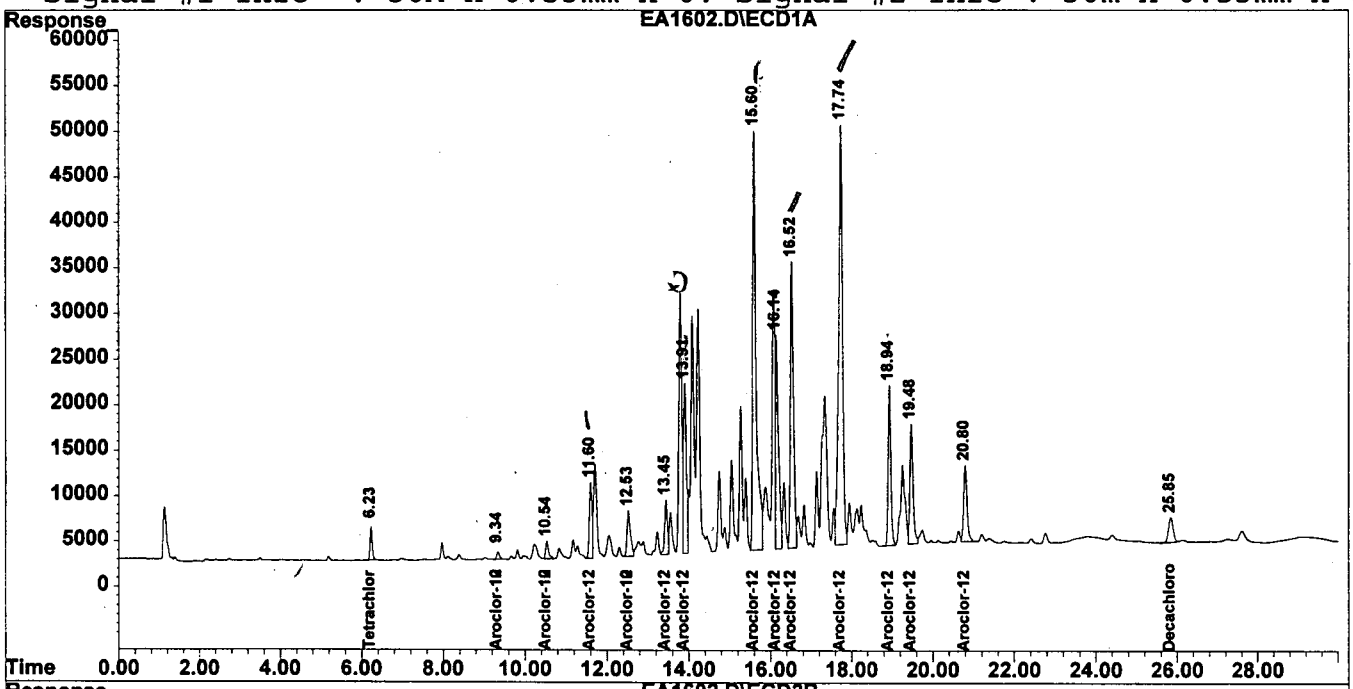
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

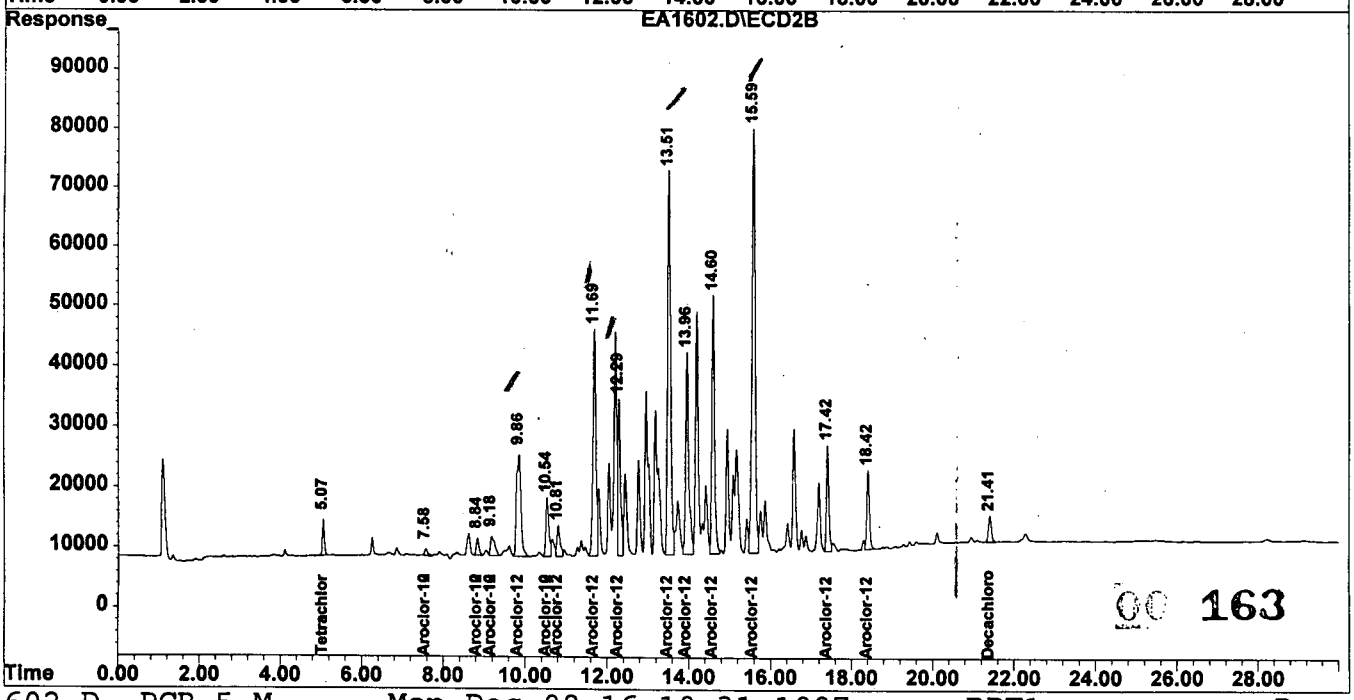
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_E\EA1602.D\ECD2B.CH
Acq On : 8 Dec 97 14:59 Operator:
Sample : 278120 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 16:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





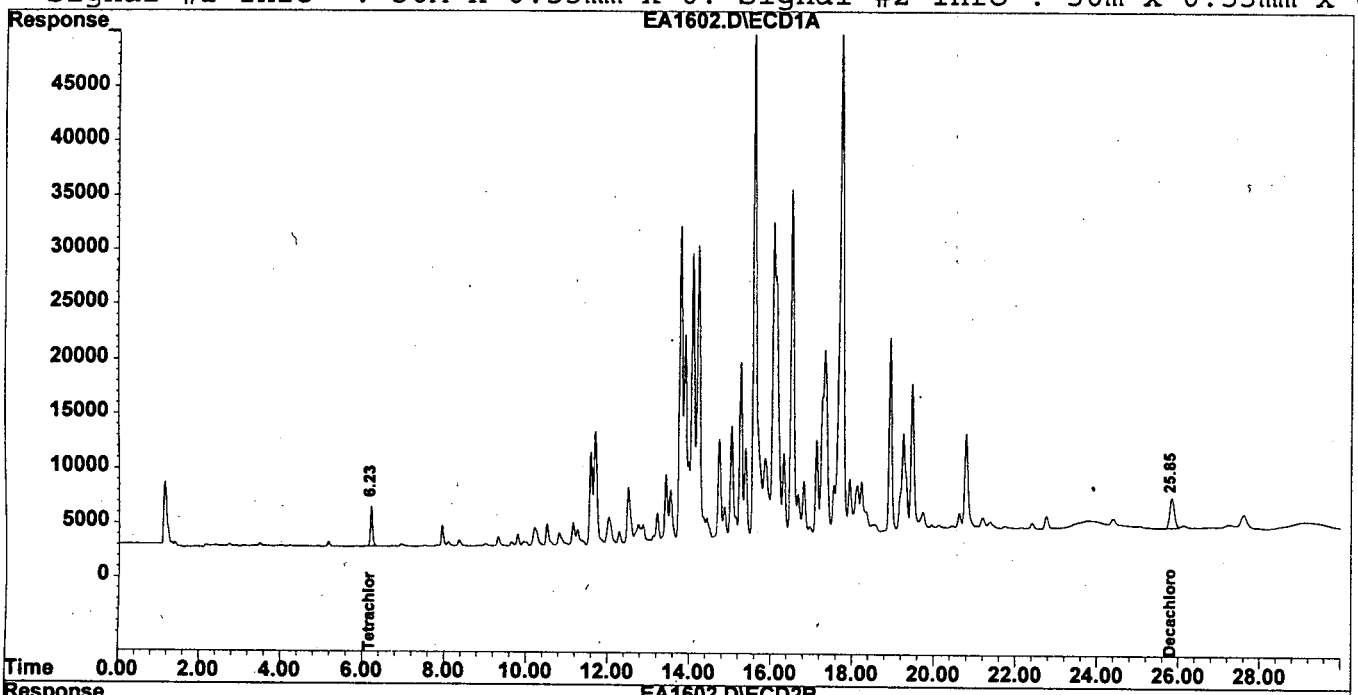
00 163

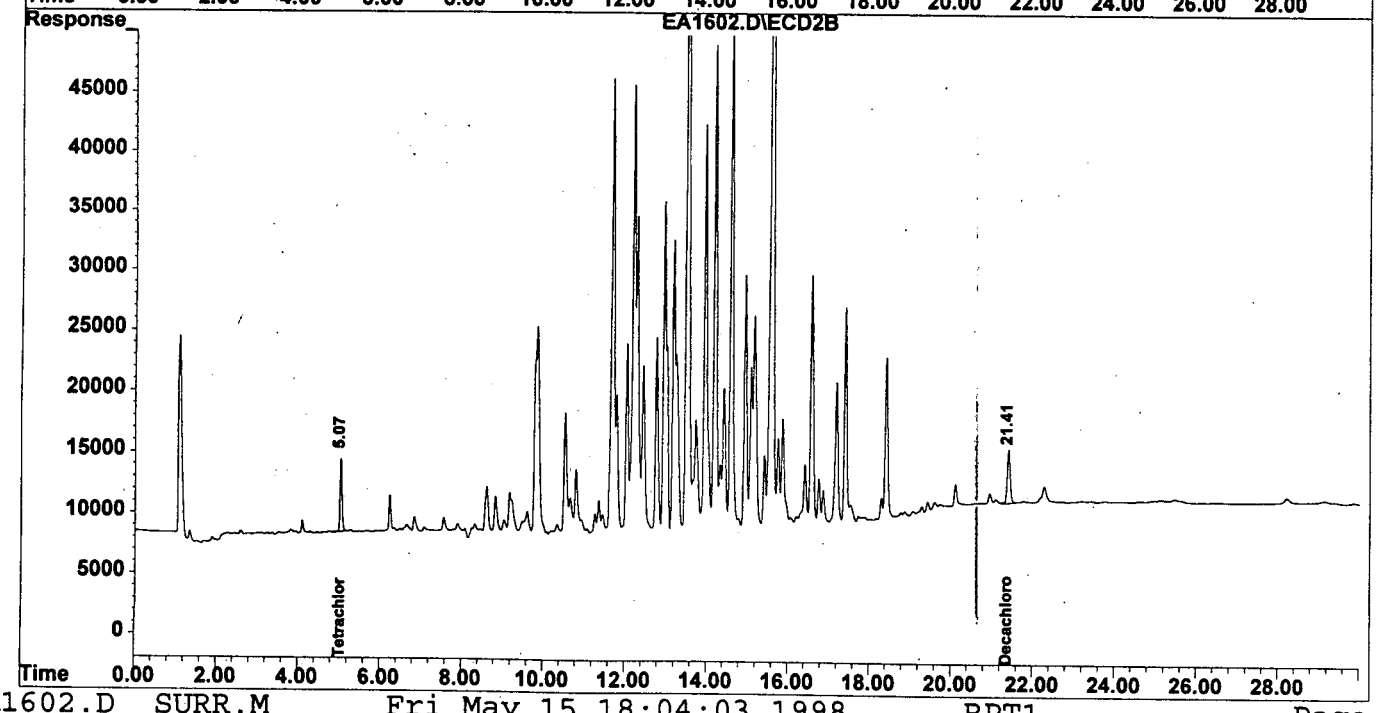
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1602.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDATA\EA1602.D\ECD2B.CH
Acq On : 8 Dec 97 14:59 Operator:
Sample : 278120 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278121
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	32.5%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	250	120
Aroclor-1221	U	U	490	340
Aroclor-1232	U	U	250	200
Aroclor-1242	U	U	250	120
Aroclor-1248	U	U	250	150
Aroclor-1254	4100	U	250	170
Aroclor-1260	U	U	250	200

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD2B.CH
Acq On : 8 Dec 97 15:33 Operator:
Sample : 278121 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:54 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	127673	186325	9.280	9.369
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.20%#	23.42%#
2) SA Decachlorobiphen	25.88	21.43	212063	194323	9.114m	8.943
Spiked Amount 40.000 Range 24 - 154 Recovery =					22.79%#	22.36%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	66732	0	200.518	N.D. #
4) L1 Aroclor-1016{2}	9.35	7.58	31717	39616	46.781	45.490
5) L1 Aroclor-1016{3}	10.55	8.85	93506	124221	73.223	66.936
6) L1 Aroclor-1016{4}	0.00	9.20	0	154171	N.D.	182.790 #
7) L1 Aroclor-1016{5}	12.54	10.55	208587	350191	319.520	415.687 #
Sum Aroclor-1016			400542	668200	640.041	710.903
Average Aroclor-1016					160.010 NP	177.726 NP
8) L2 Aroclor-1221{1}	5.20	0.00	15888	0	122.532	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.85	66732	124221	163.603	904.429 #
Sum Aroclor-1221			82620	124221	286.135	904.429
Average Aroclor-1221					143.068 NP	904.429 NP
12) L3 Aroclor-1232{1}	7.99	0.00	66732	0	230.275	N.D. #
13) L3 Aroclor-1232{2}	9.35	7.58	31717	39616	102.131	107.927
14) L3 Aroclor-1232{3}	10.55	8.85	93506	124221	183.862	165.100
15) L3 Aroclor-1232{4}	12.54	9.20	208587	154171	661.339	456.990 #
16) L3 Aroclor-1232{5}	13.46	10.55	233937	350191	1031.287	918.626
Sum Aroclor-1232			634479	668200	2208.894	1648.643
Average Aroclor-1232					441.779 NP	412.161 NP
18) L4 Aroclor-1242{2}	9.35	7.58	31717	39616	58.997	61.052
19) L4 Aroclor-1242{3}	10.55	8.85	93506	124221	96.197	89.061
20) L4 Aroclor-1242{4}	0.00	9.20	0	154171	N.D.	251.951 #
21) L4 Aroclor-1242{5}	12.54	10.55	208587	350191	374.301	529.421 #
Sum Aroclor-1242			333809	668200	529.496	931.486
Average Aroclor-1242					176.499 NP	232.871 NP
22) L5 Aroclor-1248{1}	9.35	7.58	31717	39616	110.314	111.291

00 165

RMW 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1603.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1603.D\ECD2B.CH
Acq On : 8 Dec 97 15:33 Operator:
Sample : 278121 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	129355	192491	9.095	8.890
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.74%#	22.23%#
2) SA Decachlorobiphen	25.88	21.43	201211	195053	8.555	8.550
Spiked Amount 40.000 Range 24 - 154 Recovery =					21.39%#	21.38%#
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

165A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD2B.CH
Acq On : 8 Dec 97 15:33 Operator:
Sample : 278121 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:54 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23)	L5 Aroclor-1248{2}	10.55	8.85	93506	124221	111.468	102.449	
24)	L5 Aroclor-1248{3}	12.54	10.55	208587	350191	274.261	372.697	#
25)	L5 Aroclor-1248{4}	13.46	10.83	233937	189498	329.356	218.476	#
26)	L5 Aroclor-1248{5}	15.62	13.53	2169614	2640225	6535.743	7459.881	
Sum	Aroclor-1248			2737361	3343752	7361.143	8264.794	
Average	Aroclor-1248					1472.229	1652.959	
27)	L6 Aroclor-1254{1}	11.62	9.87	287692	918714	768.974	1490.488	#
28)	L6 Aroclor-1254{2}	13.81	11.71	1120488	1559049	1888.228	1262.202	#
29)	L6 Aroclor-1254{3}	15.62	12.22	2169614	1400738	1669.786	1417.432	
30)	L6 Aroclor-1254{4}	16.54	13.53	1372347	2640225	2197.374	1885.592	
31)	L6 Aroclor-1254{5}	17.76	15.61	2470080	3171620	2036.525m	2308.842	
Sum	Aroclor-1254			7420222	9690347	8560.887	8364.557	
Average	Aroclor-1254					1712.177	1672.911	
32)	L7 Aroclor-1260{1}	16.15	13.98	996944	1510388	1026.173	1376.678	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1372347	1668175	1164.093	1145.795	
34)	L7 Aroclor-1260{3}	18.95	15.61	650544	3171620	784.128	1671.189	#
35)	L7 Aroclor-1260{4}	19.49	17.43	556145	603475	290.171	270.640	
36)	L7 Aroclor-1260{5}	20.82	18.43	386384	468639	247.264	287.719	
Sum	Aroclor-1260			3962364	7422298	3511.829	4752.021	
Average	Aroclor-1260					702.366	950.404	

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12/3/97

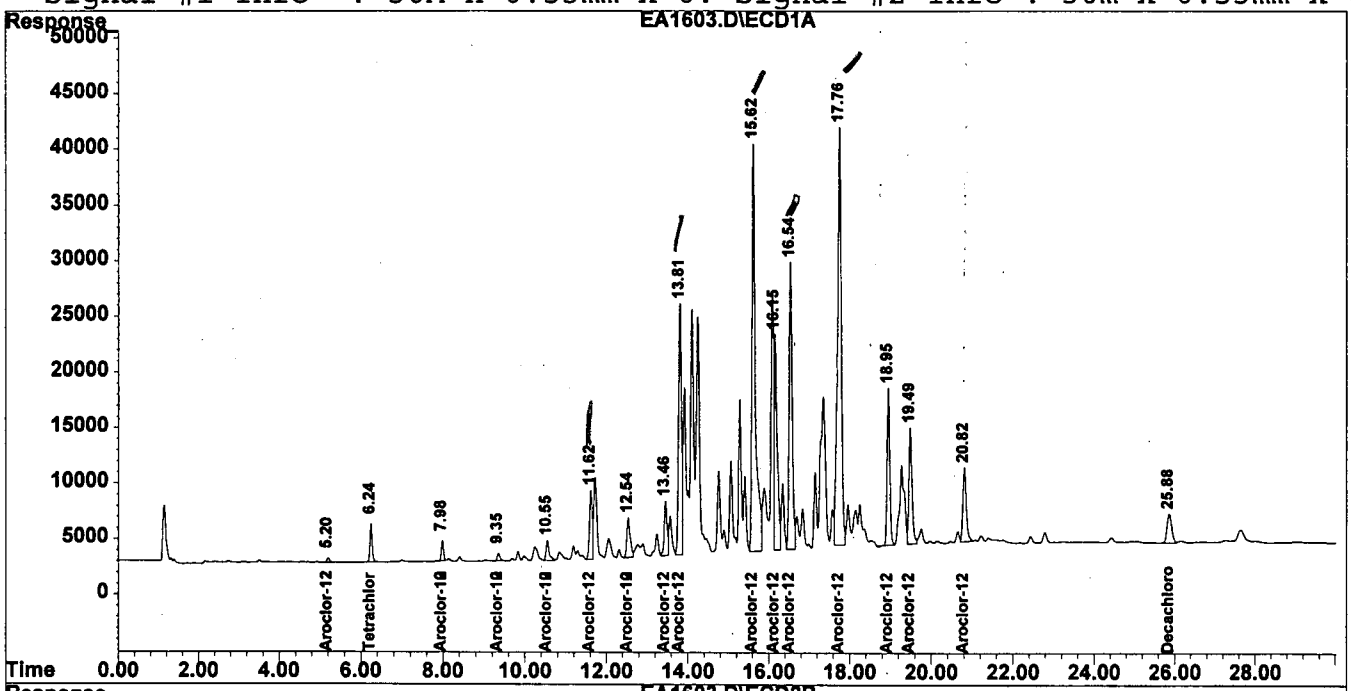
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

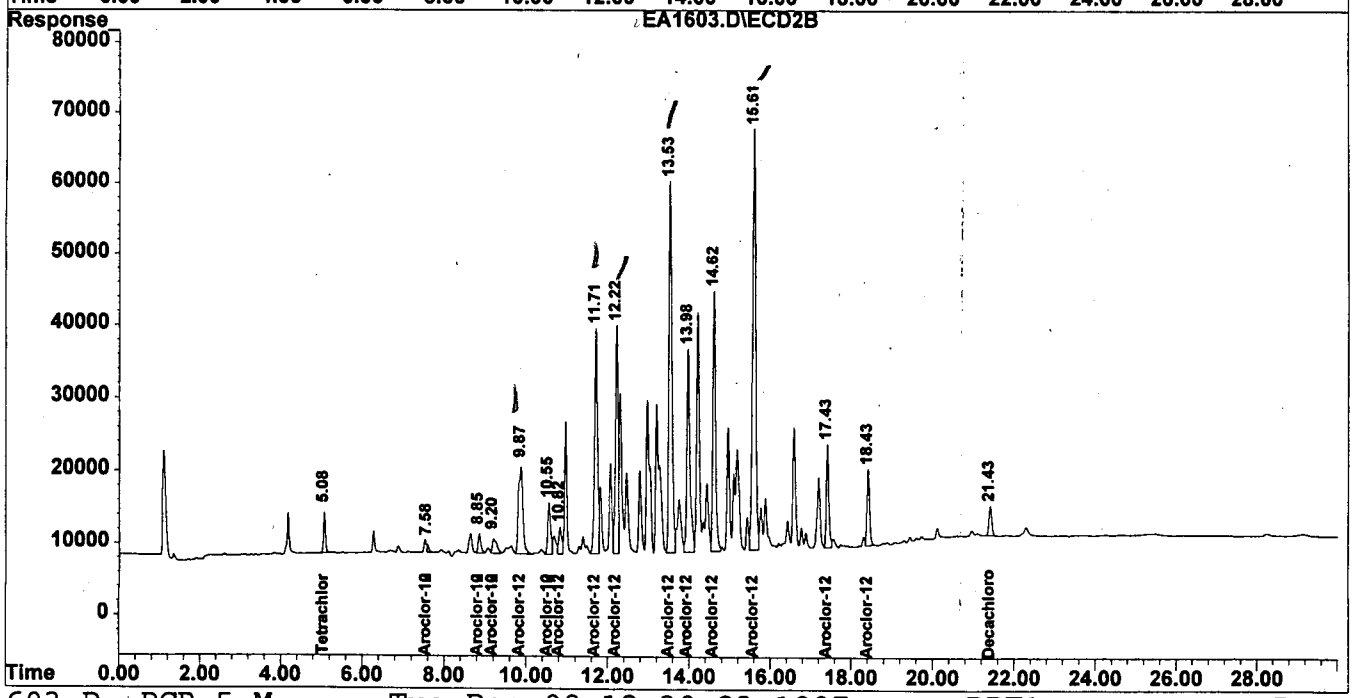
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1603.D\ECD2B.CH
Acq On : 8 Dec 97 15:33 Operator:
Sample : 278121 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:54 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





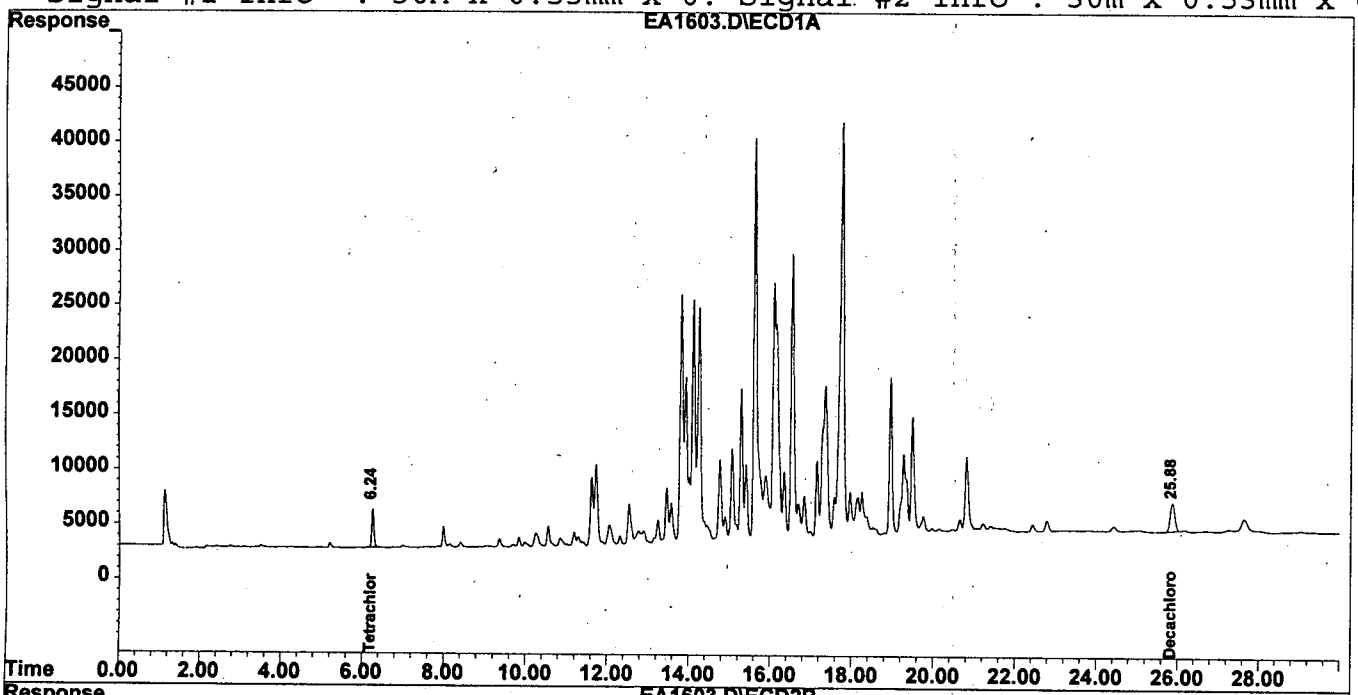
Quantitation Report

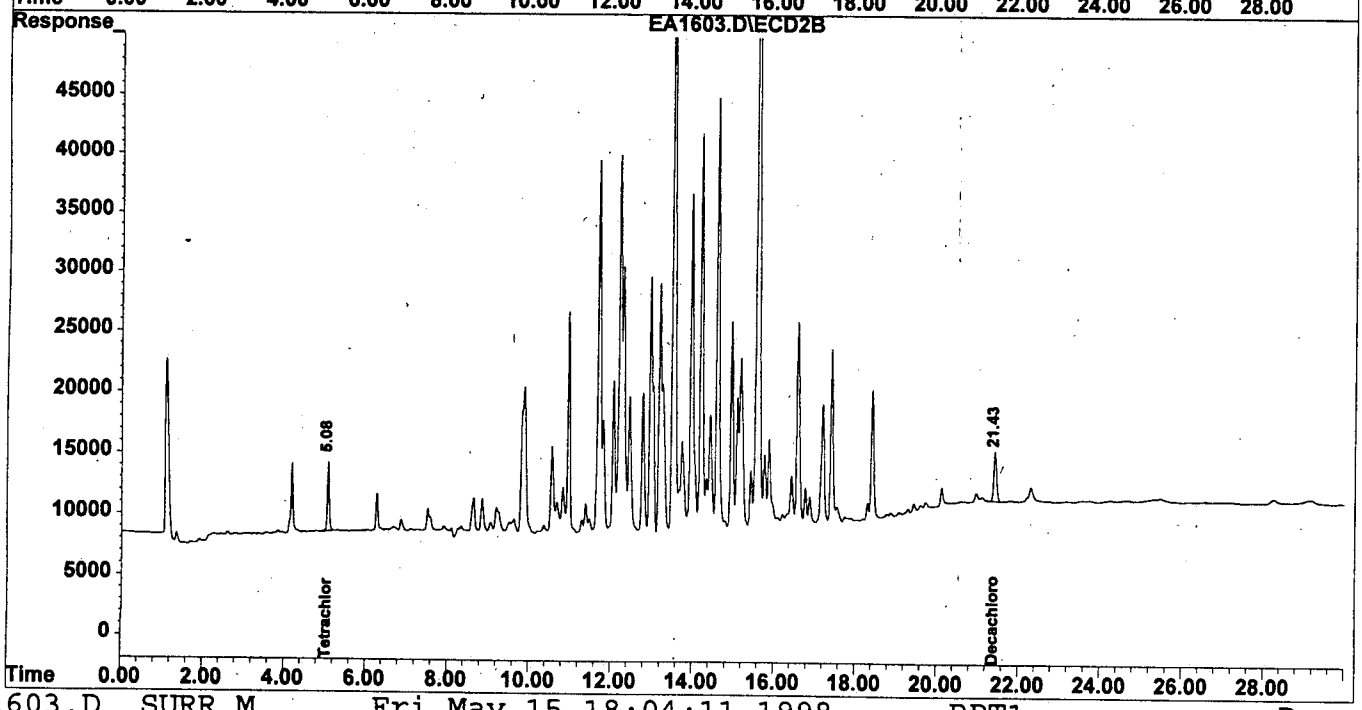
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1603.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDATA\EA1603.D\ECD2B.CH
Acq On : 8 Dec 97 15:33 Operator:
Sample : 278121 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278122
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCNS3
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	27.49%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	230	110
Aroclor-1221	U	U	460	320
Aroclor-1232	U	U	230	180
Aroclor-1242	U	U	230	110
Aroclor-1248	U	U	230	140
Aroclor-1254	3900	U	230	160
Aroclor-1260	U	U	230	180

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD2B.CH
Acq On : 8 Dec 97 16:07 Operator:
Sample : 278122 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:55 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	132755	191767	9.649	9.642
Spiked Amount 40.000 Range 43 - 150 Recovery =					24.12%#	24.11%#
2) SA Decachlorobiphen	25.87	21.43	243181	222371	10.452m	10.233
Spiked Amount 40.000 Range 24 - 154 Recovery =					26.13%	25.58%
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	54966	0	165.161	N.D. #
4) L1 Aroclor-1016{2}	9.35	7.58	37081	50416	54.693	57.891
5) L1 Aroclor-1016{3}	10.55	8.85	97767	133149	76.559	71.747
6) L1 Aroclor-1016{4}	0.00	9.20	0	200804	N.D.	238.080 #
7) L1 Aroclor-1016{5}	12.54	10.55	239526	403716	366.914	479.222 #
Sum Aroclor-1016			429339	788085	663.326	846.940
Average Aroclor-1016					165.832	211.735
11) L2 Aroclor-1221{4}	7.98	8.85	54966	133149	134.756	969.429 #
Sum Aroclor-1221			54966	133149	134.756	969.429
Average Aroclor-1221					134.756	969.429
12) L3 Aroclor-1232{1}	7.98	0.00	54966	0	189.671	N.D. #
13) L3 Aroclor-1232{2}	9.35	7.58	37081	50416	119.403	137.348
14) L3 Aroclor-1232{3}	10.55	8.85	97767	133149	192.240	176.965
15) L3 Aroclor-1232{4}	12.54	9.20	239526	200804	759.435	595.221
16) L3 Aroclor-1232{5}	13.46	10.55	235503	403716	1038.188	1059.032
Sum Aroclor-1232			664842	788085	2298.938	1968.566
Average Aroclor-1232					459.788	492.142
18) L4 Aroclor-1242{2}	9.35	7.58	37081	50416	68.975	77.695
19) L4 Aroclor-1242{3}	10.55	8.85	97767	133149	100.581	95.462
20) L4 Aroclor-1242{4}	0.00	9.20	0	200804	N.D.	328.161 #
21) L4 Aroclor-1242{5}	12.54	10.55	239526	403716	429.821	610.340 #
Sum Aroclor-1242			374374	788085	599.377	1111.658
Average Aroclor-1242					199.792	277.915
22) L5 Aroclor-1248{1}	9.35	7.58	37081	50416	128.971	141.629
23) L5 Aroclor-1248{2}	10.55	8.85	97767	133149	116.547	109.812

12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1604.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDATA\EA1604.D\ECD2B.CH
Acq On : 8 Dec 97 16:07 Operator:
Sample : 278122 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:24 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	134686	199928	9.469	9.234
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.67%#	23.09%#
2) SA Decachlorobiphen	25.87	21.43	241431	232996	10.265	10.213m
Spiked Amount 40.000 Range 24 - 154 Recovery =					25.66%	25.53%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD2B.CH
Acq On : 8 Dec 97 16:07 Operator:
Sample : 278122 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
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Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
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Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
24)	L5 Aroclor-1248{3}	12.54	10.55	239526	403716	314.942	429.661	#
25)	L5 Aroclor-1248{4}	13.46	10.82	235503	216121	331.560	249.171	
26)	L5 Aroclor-1248{5}	15.62	13.53	2151253	2648777	6480.433	7484.043	
	Sum Aroclor-1248			2761130	3452178	7372.454	8414.316	
	Average Aroclor-1248					1474.491	1682.863	
27)	L6 Aroclor-1254{1}	11.62	9.87	329309	1060015	880.211	1719.728	#
28)	L6 Aroclor-1254{2}	13.81	11.71	1144972	1564012	1929.488	1266.221	#
29)	L6 Aroclor-1254{3}	15.62	12.22	2151253	1348718	1655.655	1364.792	
30)	L6 Aroclor-1254{4}	16.54	13.53	1330481	2648777	2130.338	1891.699	
31)	L6 Aroclor-1254{5}	17.76	15.61	2449252	3114035	2019.353m	2266.922	
	Sum Aroclor-1254			7405267	9735557	8615.045	8509.363	
	Average Aroclor-1254					1723.009	1701.873	
32)	L7 Aroclor-1260{1}	16.15	13.98	985993	1477845	1014.901	1347.017	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1330481	1623545	1128.580	1115.141	
34)	L7 Aroclor-1260{3}	18.95	15.61	651544	3114035	785.333	1640.847	#
35)	L7 Aroclor-1260{4}	19.49	17.43	557066	591783	290.651	265.396	
36)	L7 Aroclor-1260{5}	20.82	18.43	387931	480674	248.255	295.108	
	Sum Aroclor-1260			3913015	7287882	3467.720	4663.508	
	Average Aroclor-1260					693.544	932.702	

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12/9/97

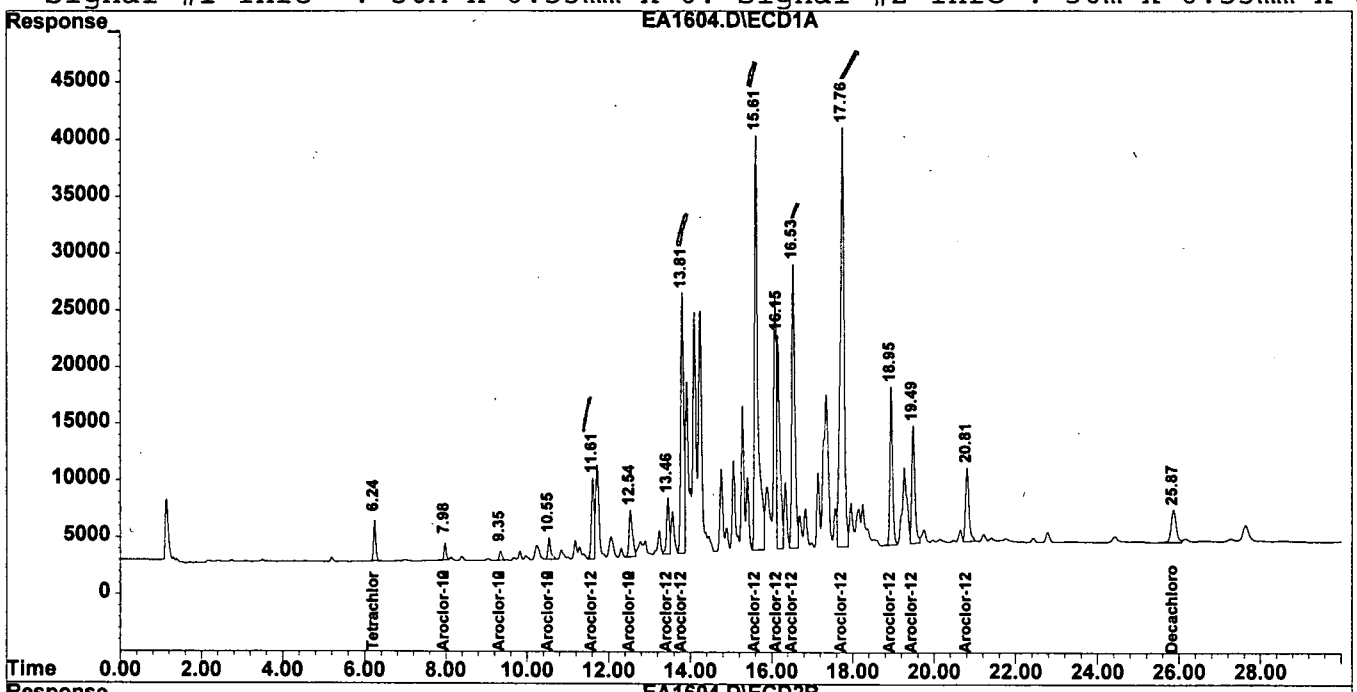
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

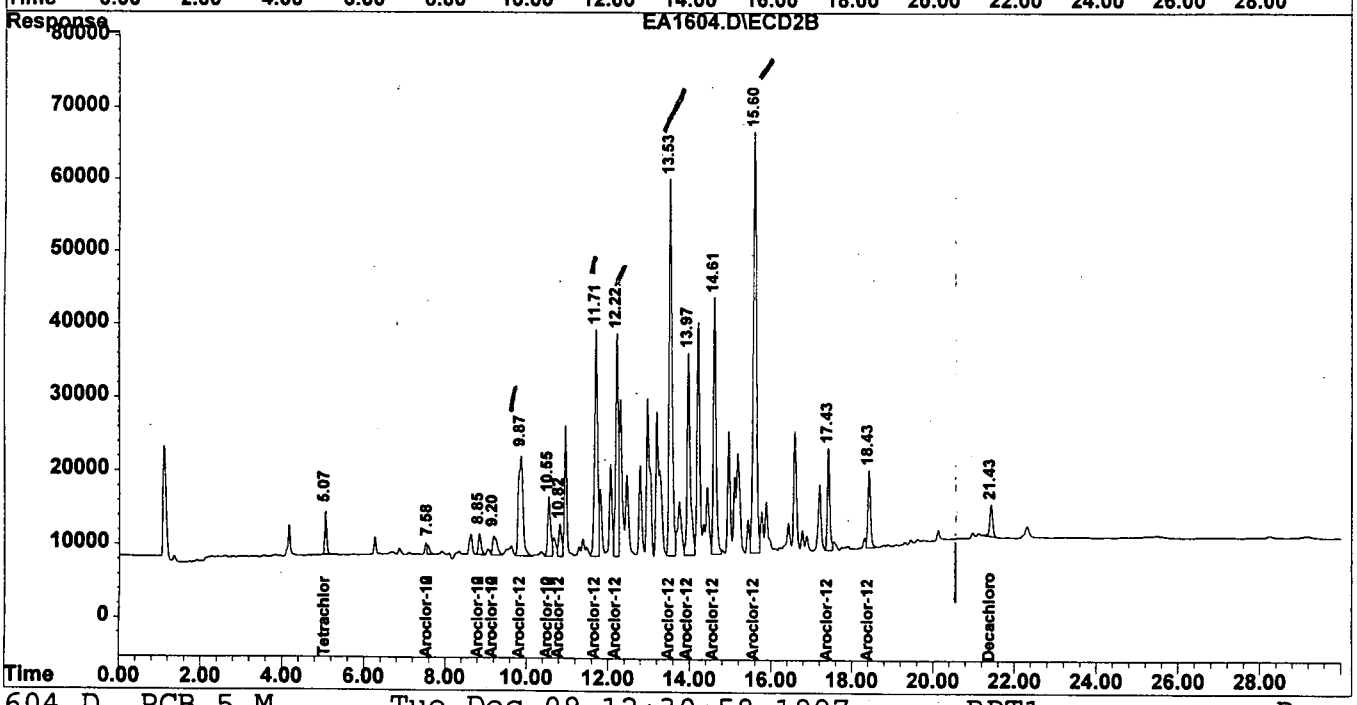
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1604.D\ECD2B.CH
Acq On : 8 Dec 97 16:07 Operator:
Sample : 278122 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:55 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





Quantitation Report

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1604.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDATA\EA1604.D\ECD2B.CH
Acq On : 8 Dec 97 16:07 Operator:
Sample : 278122 1:5 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
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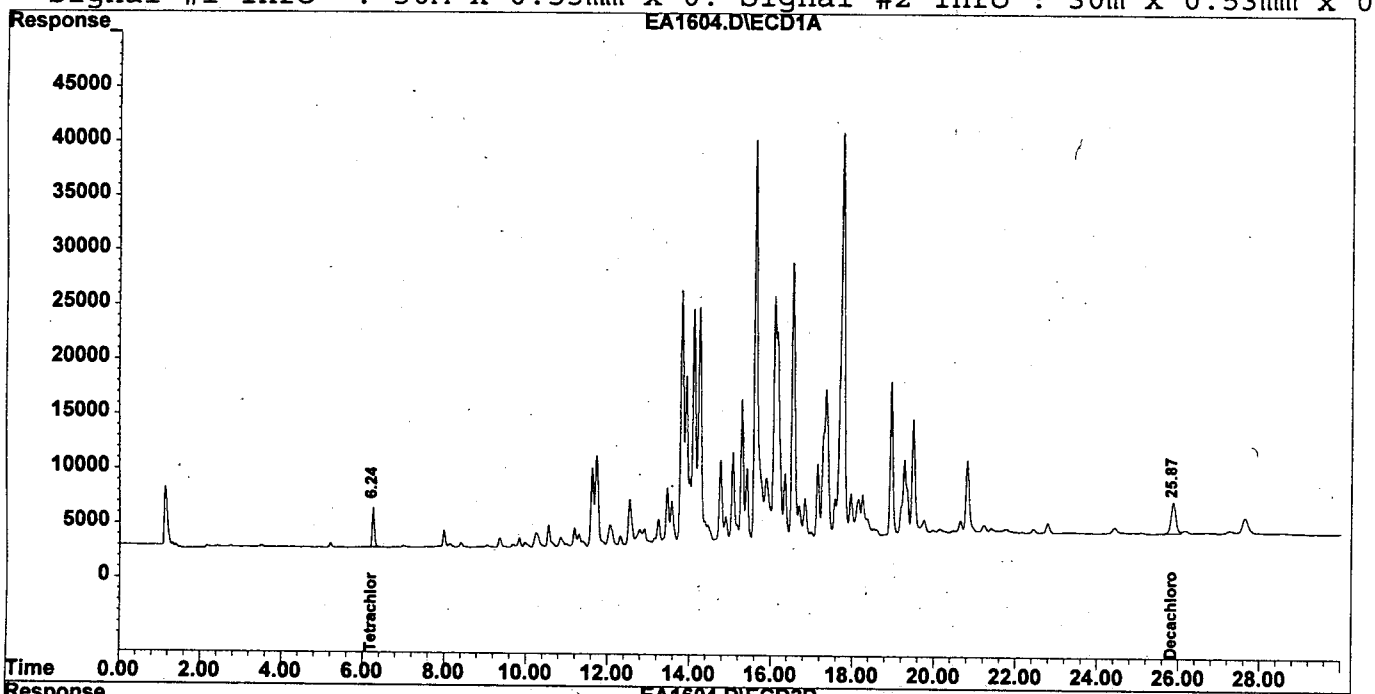
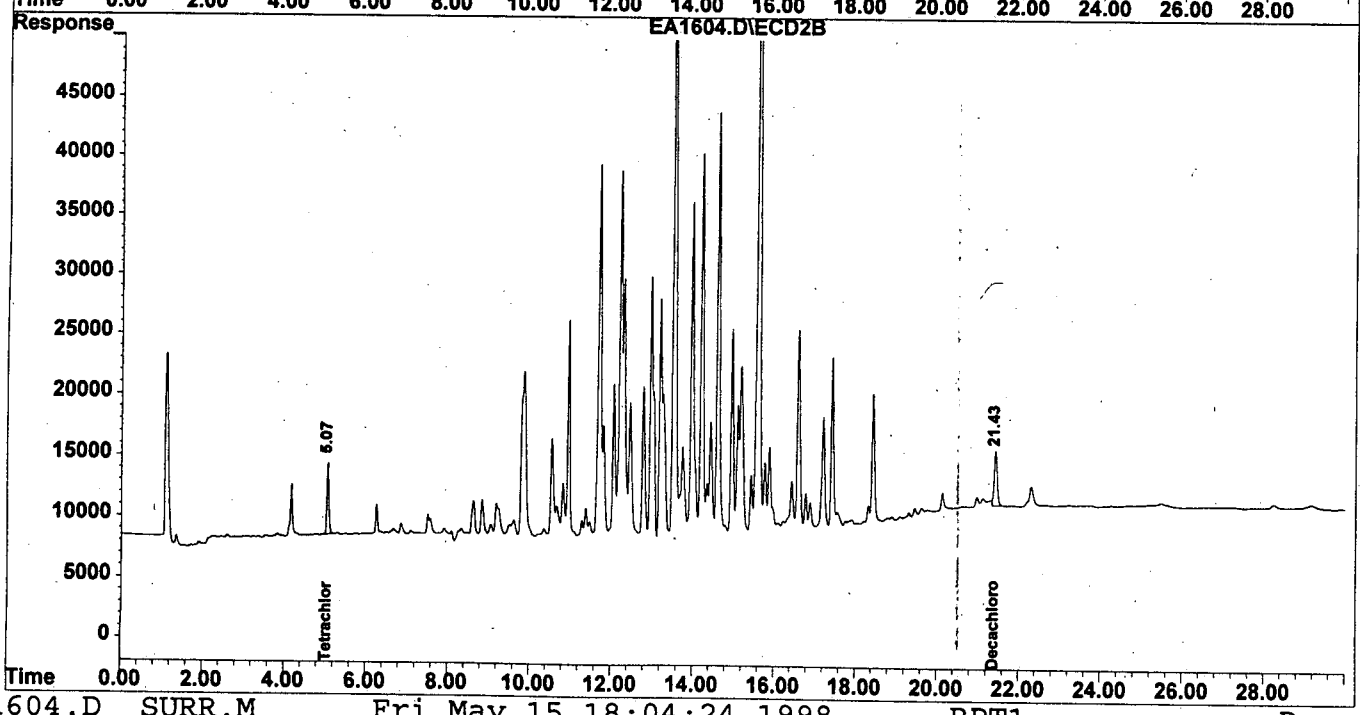
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





171A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278123
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	26.34%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	45	23
Aroclor-1221	U	U	90	63
Aroclor-1232	U	U	45	36
Aroclor-1242	U	U	45	23
Aroclor-1248	U	U	45	27
Aroclor-1254	640	U	45	32
Aroclor-1260	U	U	45	36

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD2B.CH
Acq On : 8 Dec 97 2:43 Operator:
Sample : 278123 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	596150	909509	43.332	45.731
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.33%	114.33%
2) SA Decachlorobiphen	25.91	21.45	973146	1114771	41.825	51.302m
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.56%	128.26%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	25006	0	75.138	N.D. #
5) L1 Aroclor-1016{3}	0.00	8.87	0	31540	N.D.	16.995 #
6) L1 Aroclor-1016{4}	0.00	9.21	0	36156	N.D.	42.867 #
7) L1 Aroclor-1016{5}	12.55	10.57	127415	292969	195.179	347.762 #
Sum Aroclor-1016			152421	360665	270.316	407.625
Average Aroclor-1016					135.158 NP	136.875 NP
11) L2 Aroclor-1221{4}	7.99	8.87	25006	31540	61.305	229.637 #
Sum Aroclor-1221			25006	31540	61.305	229.637
Average Aroclor-1221					61.305 NP	229.637 NP
12) L3 Aroclor-1232{1}	7.99	0.00	25006	0	86.288	N.D. #
14) L3 Aroclor-1232{3}	0.00	8.87	0	31540	N.D.	41.919 #
15) L3 Aroclor-1232{4}	12.55	9.21	127415	36156	403.980	107.172 #
16) L3 Aroclor-1232{5}	13.47	10.57	245845	292969	1083.780	768.520 #
Sum Aroclor-1232			398266	360665	1574.048	917.611
Average Aroclor-1232					524.683 NP	305.870 NP
17) L4 Aroclor-1242{1}	7.99	0.00	25006	0	95.948	N.D. #
19) L4 Aroclor-1242{3}	0.00	8.87	0	31540	N.D.	22.613 #
20) L4 Aroclor-1242{4}	0.00	9.21	0	36156	N.D.	59.087 #
21) L4 Aroclor-1242{5}	12.55	10.57	127415	292969	228.642	442.912 #
Sum Aroclor-1242			152421	360665	324.590	524.612
Average Aroclor-1242					162.295 NP	174.871 NP
23) L5 Aroclor-1248{2}	0.00	8.87	0	31540	N.D.	26.012 #
24) L5 Aroclor-1248{3}	12.55	10.57	127415	292969	167.533	311.797 #
25) L5 Aroclor-1248{4}	13.47	10.84	245845	108292	346.121	124.852 #
26) L5 Aroclor-1248{5}	15.63	13.54	1959939	2406212	5904.118	6798.685

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12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1582.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1582.D\ECD2B.CH
Acq On : 8 Dec 97 2:43 Operator:
Sample : 278123 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:19 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	599627	922844	42.158	42.621
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.40%	106.55%
2) SA Decachlorobiphen	25.91	21.45	1052593	1017170	44.753	44.586m
Spiked Amount 40.000 Range 24 - 154 Recovery =					111.88%	111.47%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

173A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD2B.CH
Acq On : 8 Dec 97 2:43 Operator:
Sample : 278123 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
Sum	Aroclor-1248			2333199	2839013	6417.771	7261.346	
Average	Aroclor-1248					2139.257 NP	1815.336 NP	
27) L6	Aroclor-1254{1}	11.63	9.83	305131	772363	815.585	1253.053	#
28) L6	Aroclor-1254{2}	13.83	11.72	800761	1333059	1349.429	1079.242	
29) L6	Aroclor-1254{3}	15.63	12.24	1959939	1335413	1508.415	1351.328	
30) L6	Aroclor-1254{4}	16.55	13.54	1104062	2406212	1767.801	1718.465	
31) L6	Aroclor-1254{5}	17.77	15.62	2057166	2567423	1696.087	1869.005	
Sum	Aroclor-1254			6227058	8414471	7137.317	7271.093	
Average	Aroclor-1254					1427.463	1454.219	
32) L7	Aroclor-1260{1}	0.00	13.99	0	1345815	N.D.	1226.675	#
33) L7	Aroclor-1260{2}	16.55	14.63	1104062	1458113	936.520	1001.512	
34) L7	Aroclor-1260{3}	18.97	15.62	532568	2567423	641.927	1352.826	#
35) L7	Aroclor-1260{4}	0.00	17.45	0	416861	N.D.	186.949	#
36) L7	Aroclor-1260{5}	20.83	18.45	257675	348063	164.898	213.692	#
Sum	Aroclor-1260			1894305	6136274	1743.345	3981.653	
Average	Aroclor-1260					581.115 NP	796.331 NP	

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12/8/97

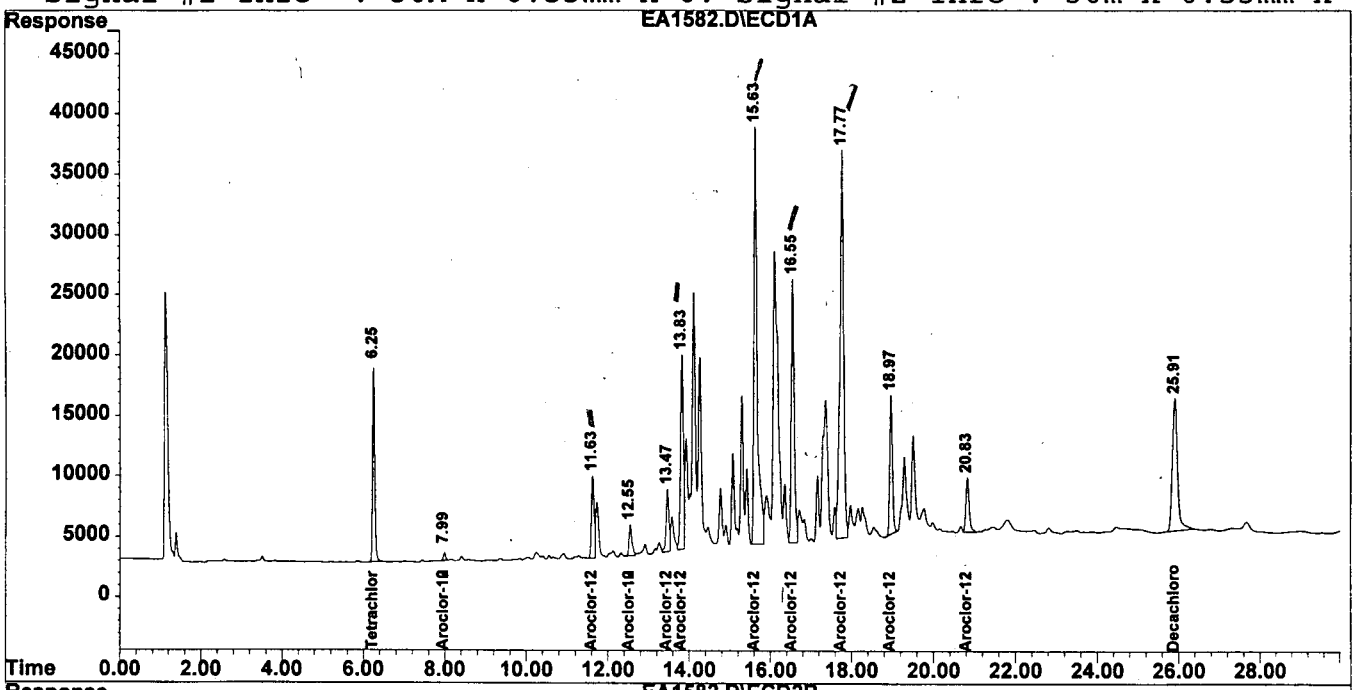
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

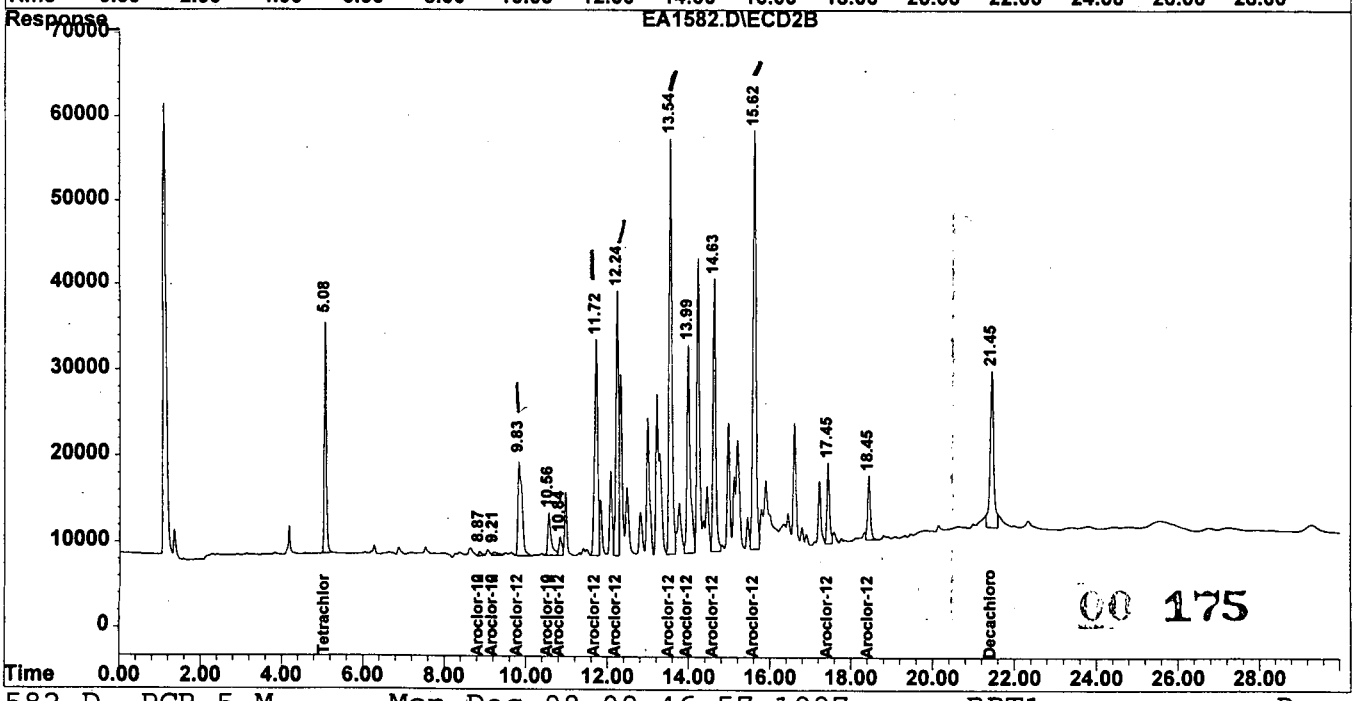
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1582.D\ECD2B.CH
Acq On : 8 Dec 97 2:43 Operator:
Sample : 278123 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





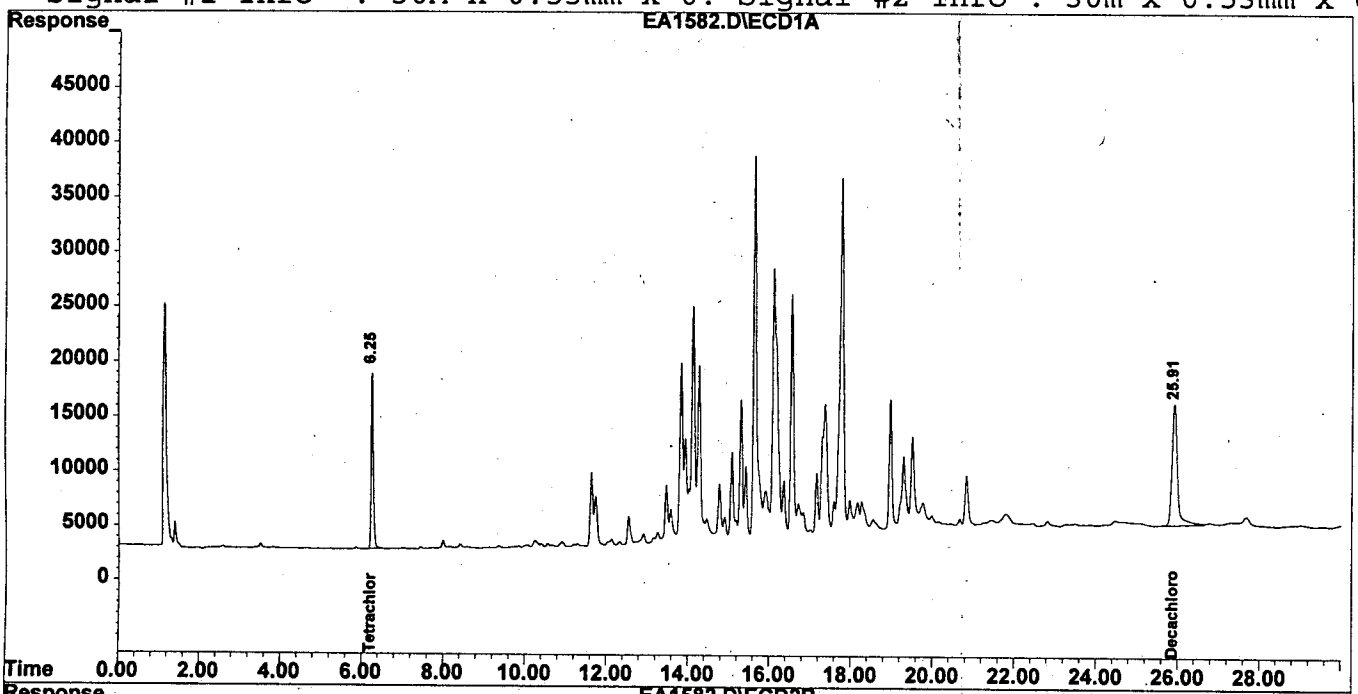
00 175

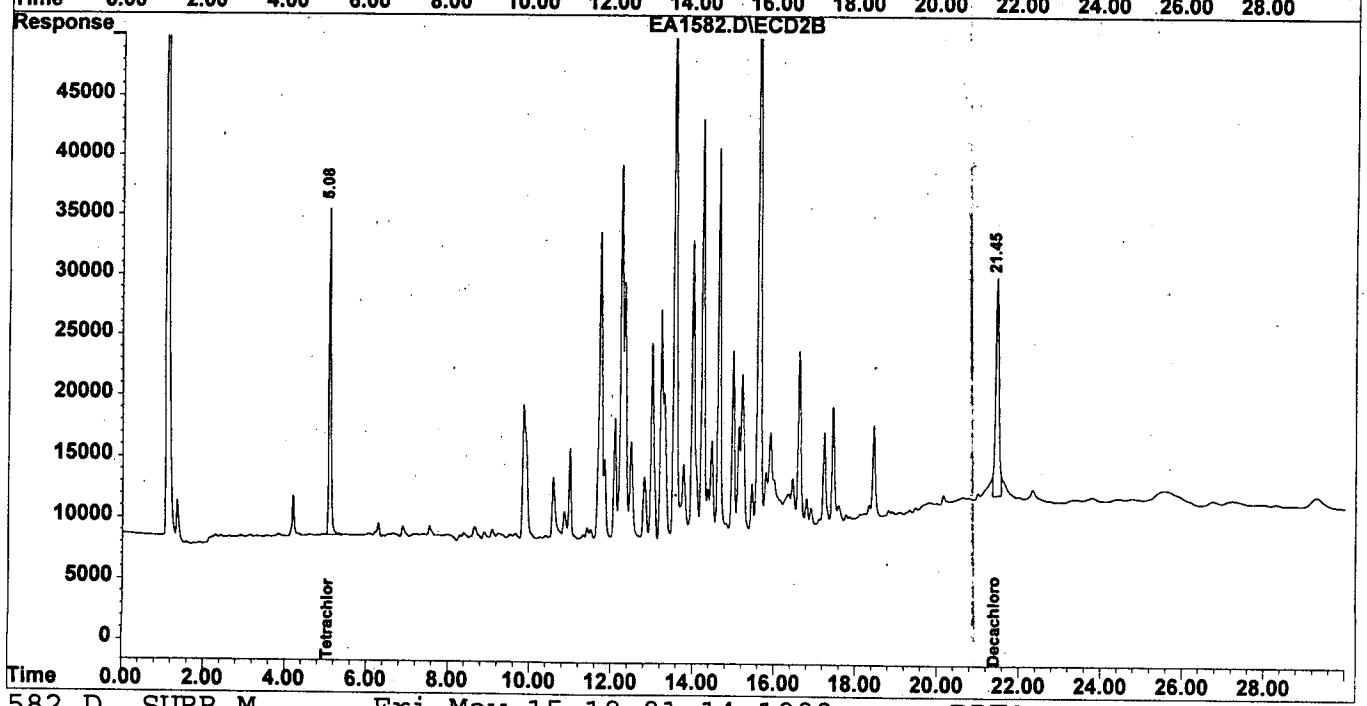
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1582.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1582.D\ECD2B.CH
Acq On : 8 Dec 97 2:43 Operator:
Sample : 278123 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:19 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278124
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	32.38%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	490	250
Aroclor-1221	U	U	980	690
Aroclor-1232	U	U	490	390
Aroclor-1242	U	U	490	250
Aroclor-1248	U	U	490	300
Aroclor-1254	11000	U	490	340
Aroclor-1260	U	U	490	390

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD2B.CH
Acq On : 8 Dec 97 16:41 Operator:
Sample : 278124 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:56 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	66568	97320	4.839	4.893
Spiked Amount 40.000 Range 43 - 150 Recovery =					12.10%#	12.23%#
2) SA Decachlorobiphen	25.88	21.43	129358	136594	5.560m	6.286
Spiked Amount 40.000 Range 24 - 154 Recovery =					13.90%#	15.72%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	130176	0	391.155	N.D. #
4) L1 Aroclor-1016{2}	0.00	7.58	0	24038	N.D.	27.602 #
5) L1 Aroclor-1016{3}	10.55	8.85	48032	89609	37.613	48.285 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	66891	N.D.	79.309 #
7) L1 Aroclor-1016{5}	12.54	10.55	168448	424827	258.033	504.282 #
Sum Aroclor-1016			346656	605365	686.801	659.478
Average Aroclor-1016					228.934 NP	164.869 NP
11) L2 Aroclor-1221{4}	7.98	8.85	130176	89609	319.146	652.422 #
Sum Aroclor-1221			130176	89609	319.146	652.422
Average Aroclor-1221					319.146 NP	652.422 NP
12) L3 Aroclor-1232{1}	7.98	0.00	130176	0	449.204	N.D. #
13) L3 Aroclor-1232{2}	0.00	7.58	0	24038	N.D.	65.487 #
14) L3 Aroclor-1232{3}	10.55	8.85	48032	89609	94.445	119.097 #
15) L3 Aroclor-1232{4}	12.54	9.20	168448	66891	534.076	198.278 #
16) L3 Aroclor-1232{5}	13.46	10.55	447985	424827	1974.893	1114.412 #
Sum Aroclor-1232			794641	605365	3052.618	1497.274
Average Aroclor-1232					763.155 NP	374.319 NP
18) L4 Aroclor-1242{2}	0.00	7.58	0	24038	N.D.	37.045 #
19) L4 Aroclor-1242{3}	10.55	8.85	48032	89609	49.414	64.246 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	66891	N.D.	109.316 #
21) L4 Aroclor-1242{5}	12.54	10.55	168448	424827	302.273	642.256 #
Sum Aroclor-1242			216479	605365	351.687	852.863
Average Aroclor-1242					175.844 NP	213.216 NP
22) L5 Aroclor-1248{1}	0.00	7.58	0	24038	N.D.	67.529 #
23) L5 Aroclor-1248{2}	10.55	8.85	48032	89609	57.258	73.903 #

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12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDATA\EA1605.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1605.D\ECD2B.CH
Acq On : 8 Dec 97 16:41 Operator:
Sample : 278124 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:24 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	67009	100476	4.711	4.640
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.78%#	11.60%#
2) SA Decachlorobiphen	25.88	21.43	140162	142723	5.959	6.256m
Spiked Amount 40.000 Range 24 - 154 Recovery =					14.90%#	15.64%#

Target Compounds

7/8/18

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD2B.CH
Acq On : 8 Dec 97 16:41 Operator:
Sample : 278124 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:56 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
24) L5	Aroclor-1248{3}	12.54	10.55	168448	424827	221.484	452.129 #
25) L5	Aroclor-1248{4}	13.46	10.83	447985	242233	630.710	279.276 #
26) L5	Aroclor-1248{5}	15.62	13.53	3325910	4023914	10018.966	11369.456
Sum	Aroclor-1248			3990374	4804621	10928.419	12242.292
Average	Aroclor-1248					2732.105 NP	2448.458 NP
27) L6	Aroclor-1254{1}	11.62	9.86	460818	686916	1231.721	1114.427
28) L6	Aroclor-1254{2}	13.81	11.71	1245615	2145835	2099.089	1737.263
29) L6	Aroclor-1254{3}	15.62	12.22	3325910	1909333	2559.699	1932.089
30) L6	Aroclor-1254{4}	16.54	13.53	1861923	4023914	2981.272	2873.793
31) L6	Aroclor-1254{5}	17.76	15.60	3683629	4451455	3037.069	3240.522
Sum	Aroclor-1254			10577895	13217454	11908.850	10898.094
Average	Aroclor-1254					2381.770	2179.619
32) L7	Aroclor-1260{1}	0.00	13.98	0	2190016	N.D.	1996.142 #
33) L7	Aroclor-1260{2}	16.54	14.61	1861923	2317362	1579.375	1591.692
34) L7	Aroclor-1260{3}	18.95	15.60	1001618	4451455	1207.293	2345.559 #
35) L7	Aroclor-1260{4}	19.49	17.43	790427	832217	412.408	373.223
36) L7	Aroclor-1260{5}	20.82	18.43	547242	628924	350.205	386.126
Sum	Aroclor-1260			4201209	10419975	3549.280	6692.742
Average	Aroclor-1260					887.320 NP	1338.548 NP

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12/9/97

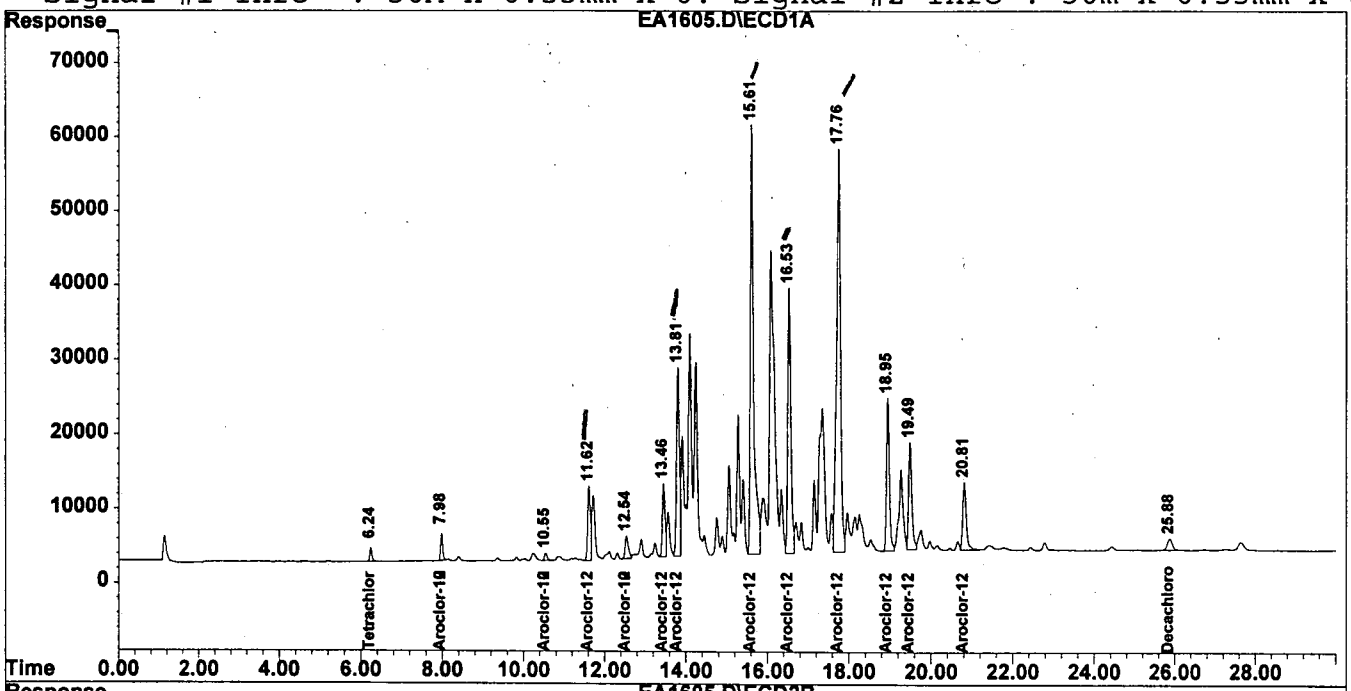
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

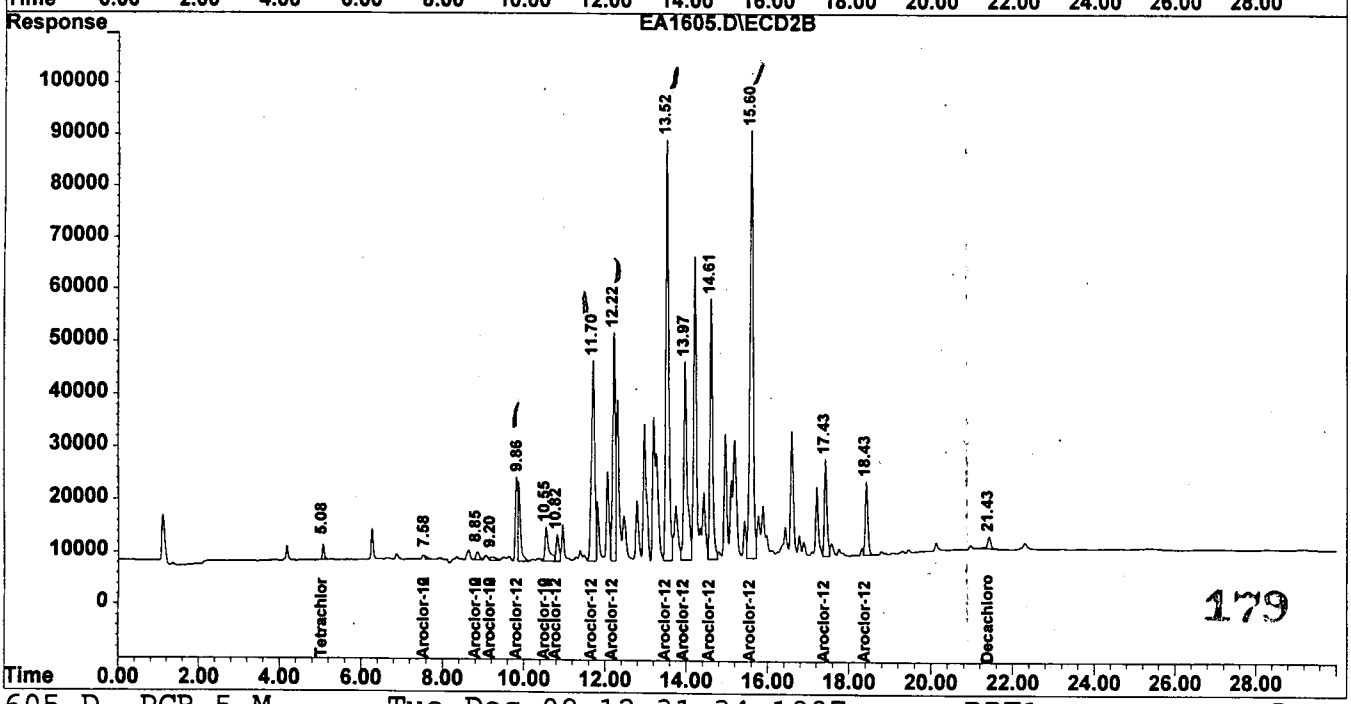
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1605.D\ECD2B.CH
Acq On : 8 Dec 97 16:41 Operator:
Sample : 278124 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:56 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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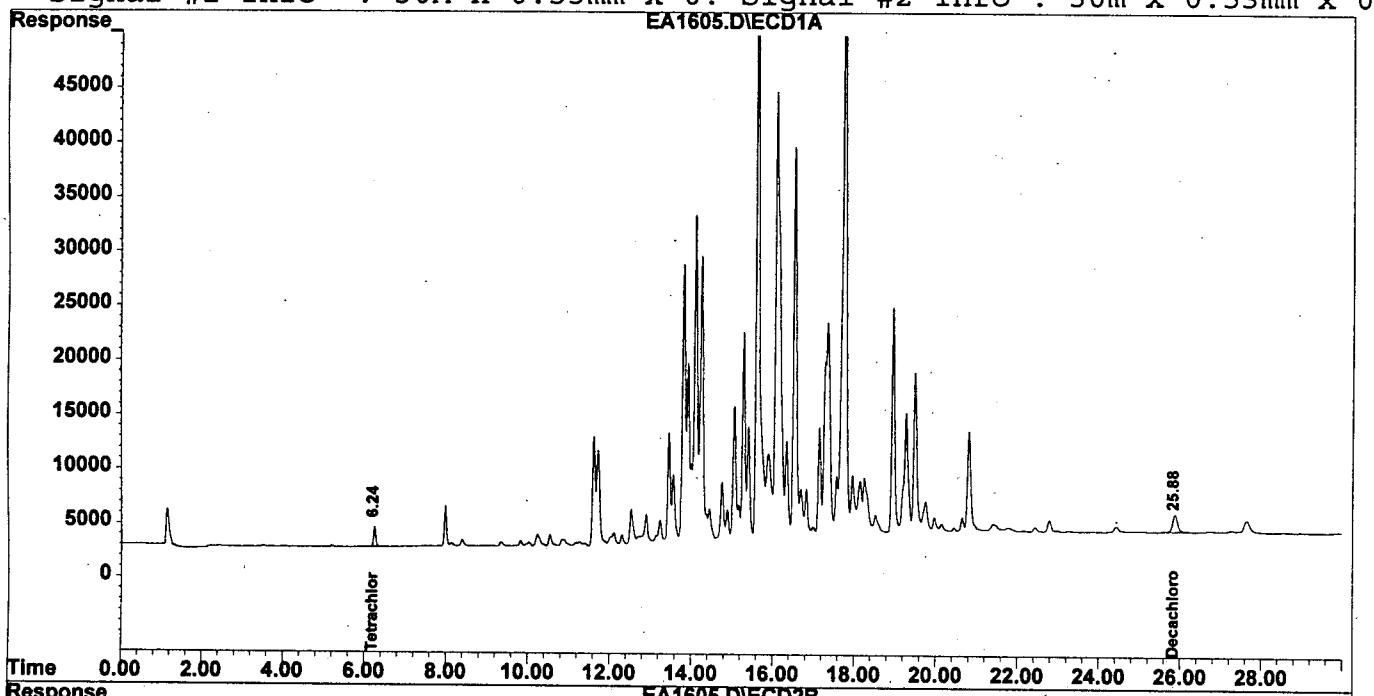
Quantitation Report

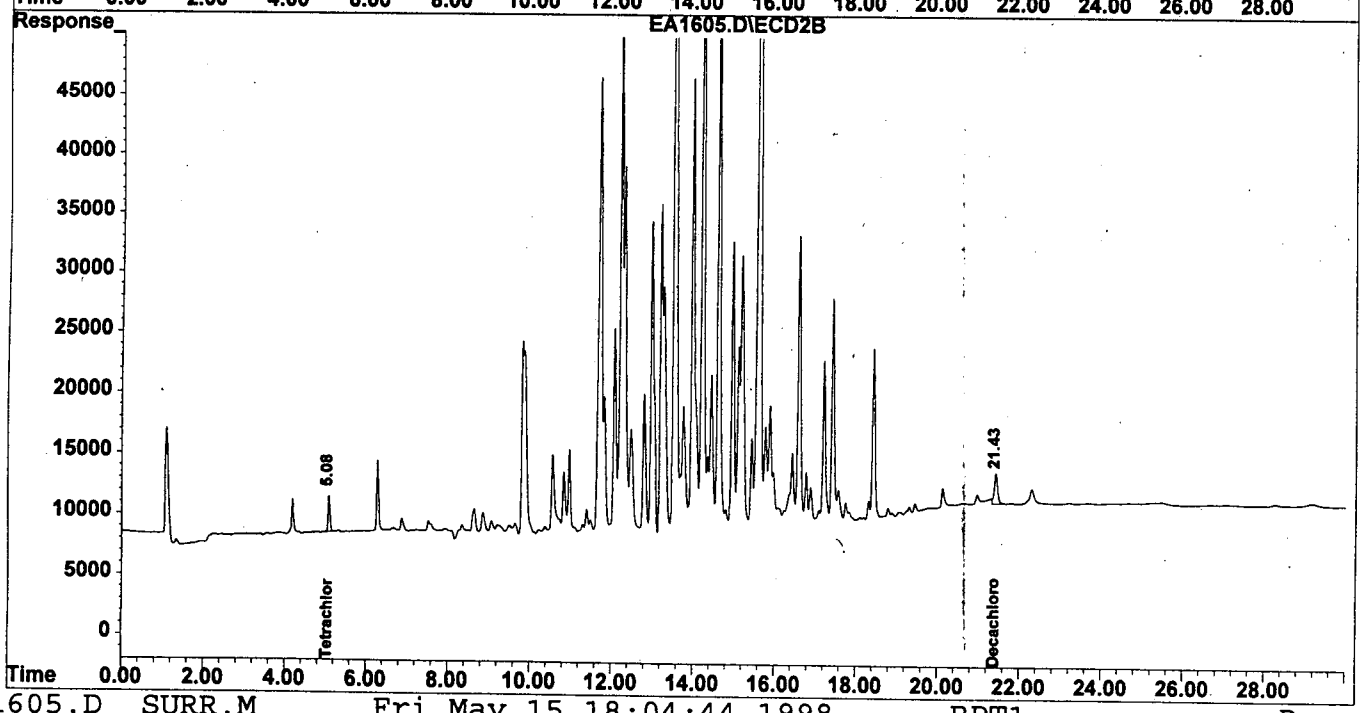
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1605.D\ECD1A.CH Vial: 8
Signal #2 : E:\WESTDATA\EA1605.D\ECD2B.CH
Acq On : 8 Dec 97 16:41 Operator:
Sample : 278124 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:24 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





179A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278125
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	26.41%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	45	23
Aroclor-1221	U	U	90	63
Aroclor-1232	U	U	45	36
Aroclor-1242	U	U	45	23
Aroclor-1248	U	U	45	27
Aroclor-1254	140	U	45	32
Aroclor-1260	U	U	45	36

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD2B.CH
Acq On : 8 Dec 97 3:50 Operator:
Sample : 278125 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	594707	887073	43.227	44.603
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.07%	111.51%
2) SA Decachlorobiphen	25.91	21.45	946406	926695	40.676m	42.646m
Spiked Amount 40.000 Range 24 - 154 Recovery =					101.69%	106.62%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	18621	0	55.952	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.60	21246	52723	31.337	60.541 #
5) L1 Aroclor-1016{3}	10.56	8.86	23490	112884	18.395	60.827 #
6) L1 Aroclor-1016{4}	0.00	9.26	0	101641	N.D.	120.508 #
7) L1 Aroclor-1016{5}	12.55	10.57	87720	257554	134.372	305.723 #
Sum Aroclor-1016			151077	524801	240.056	547.599
Average Aroclor-1016					60.014 µl	136.900 µl
11) L2 Aroclor-1221{4}	7.99	8.86	18621	112884	45.652	821.881 #
Sum Aroclor-1221			18621	112884	45.652	821.881
Average Aroclor-1221					45.652 µl	821.881 µl
12) L3 Aroclor-1232{1}	7.99	0.00	18621	0	64.256	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.60	21246	52723	68.413	143.634 #
14) L3 Aroclor-1232{3}	10.56	8.86	23490	112884	46.189	150.031 #
15) L3 Aroclor-1232{4}	12.55	9.26	87720	101641	278.123	301.281
16) L3 Aroclor-1232{5}	13.47	10.57	88588	257554	390.530	675.618 #
Sum Aroclor-1232			239665	524801	847.511	1270.564
Average Aroclor-1232					169.502 µl	317.641 µl
17) L4 Aroclor-1242{1}	7.99	0.00	18621	0	71.448	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.60	21246	52723	39.520	81.251 #
19) L4 Aroclor-1242{3}	10.56	8.86	23490	112884	24.166	80.933 #
20) L4 Aroclor-1242{4}	0.00	9.26	0	101641	N.D.	166.104 #
21) L4 Aroclor-1242{5}	12.55	10.57	87720	257554	157.411	389.371 #
Sum Aroclor-1242			151077	524801	292.545	717.660
Average Aroclor-1242					73.136 µl	179.415 µl
22) L5 Aroclor-1248{1}	9.36	7.60	21246	52723	73.895	148.112 #

MLW 12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1584.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1584.D\ECD2B.CH
Acq On : 8 Dec 97 3:50 Operator:
Sample : 278125 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:28 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	597679	942956	42.021	43.550
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.05%	108.88%
2) SA Decachlorobiphen	25.91	21.45	959276	942545	40.786	41.315
Spiked Amount 40.000 Range 24 - 154 Recovery =					101.97%	103.29%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD2B.CH
Acq On : 8 Dec 97 3:50 Operator:
Sample : 278125 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{2}	10.56	8.86	23490	112884	28.003	93.098	#
24) L5	Aroclor-1248{3}	12.55	10.57	87720	257554	115.339	274.106	#
25) L5	Aroclor-1248{4}	13.47	10.84	88588	134444	124.721	155.003	
26) L5	Aroclor-1248{5}	15.63	13.55	360883	475079	1087.125	1342.321	
Sum	Aroclor-1248			581927	1032683	1429.083	2012.641	
Average	Aroclor-1248					285.817 NP	402.528 NP	
27) L6	Aroclor-1254{1}	11.63	9.89	107192	446076	286.513	723.698	#
28) L6	Aroclor-1254{2}	13.83	11.73	213529	333117	359.836	269.690	#
29) L6	Aroclor-1254{3}	15.63	12.24	360883	217804	277.744	220.400	
30) L6	Aroclor-1254{4}	16.55	13.55	213719	475079	342.202	339.291	
31) L6	Aroclor-1254{5}	17.77	15.62	371246	541217	306.084	393.989	#
Sum	Aroclor-1254			1266569	2013293	1572.379	1947.069	
Average	Aroclor-1254					314.476	389.414	
32) L7	Aroclor-1260{1}	0.00	13.99	0	244295	N.D.	222.669	#
33) L7	Aroclor-1260{2}	16.55	14.63	213719	259956	181.287	178.552	
34) L7	Aroclor-1260{3}	18.97	15.62	87259	541217	105.177	285.178	#
35) L7	Aroclor-1260{4}	0.00	17.45	0	133105	N.D.	59.693	#
36) L7	Aroclor-1260{5}	20.84	18.45	98167	101180	62.821	62.119	
Sum	Aroclor-1260			399145	1279754	349.285	808.211	
Average	Aroclor-1260					116.428 NP	161.642 NP	

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11/8/97

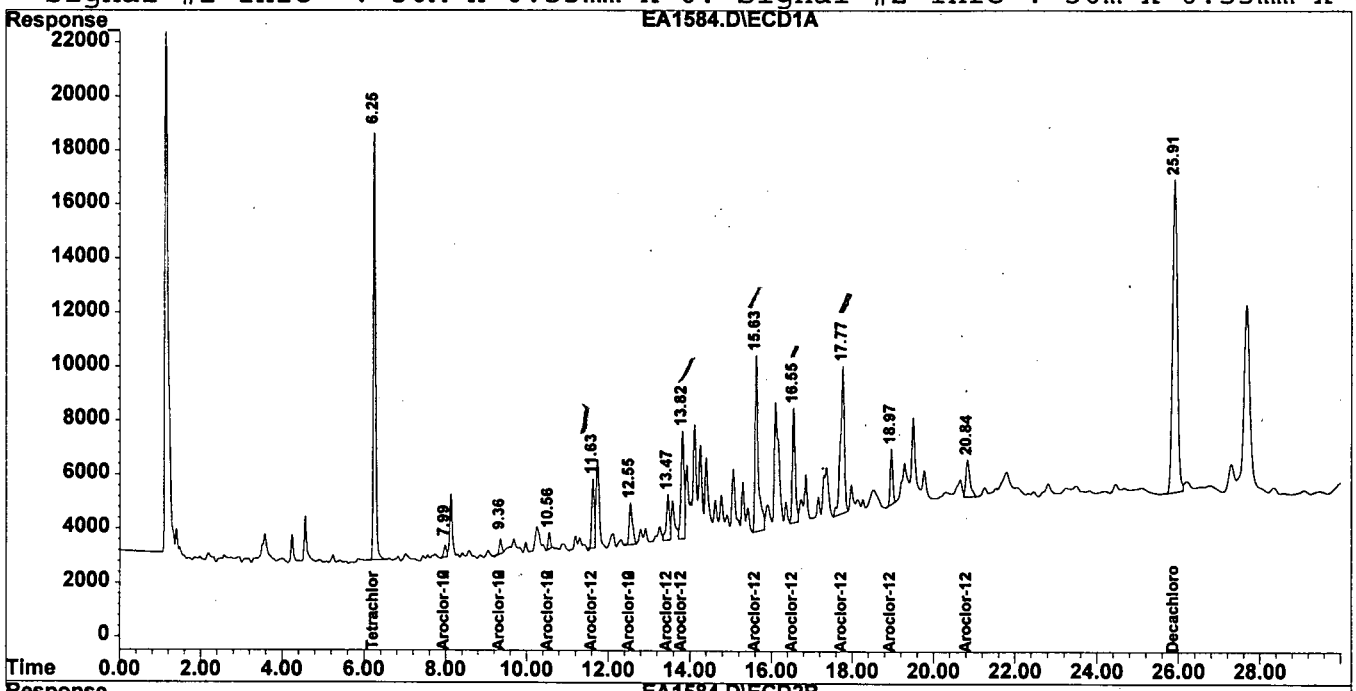
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

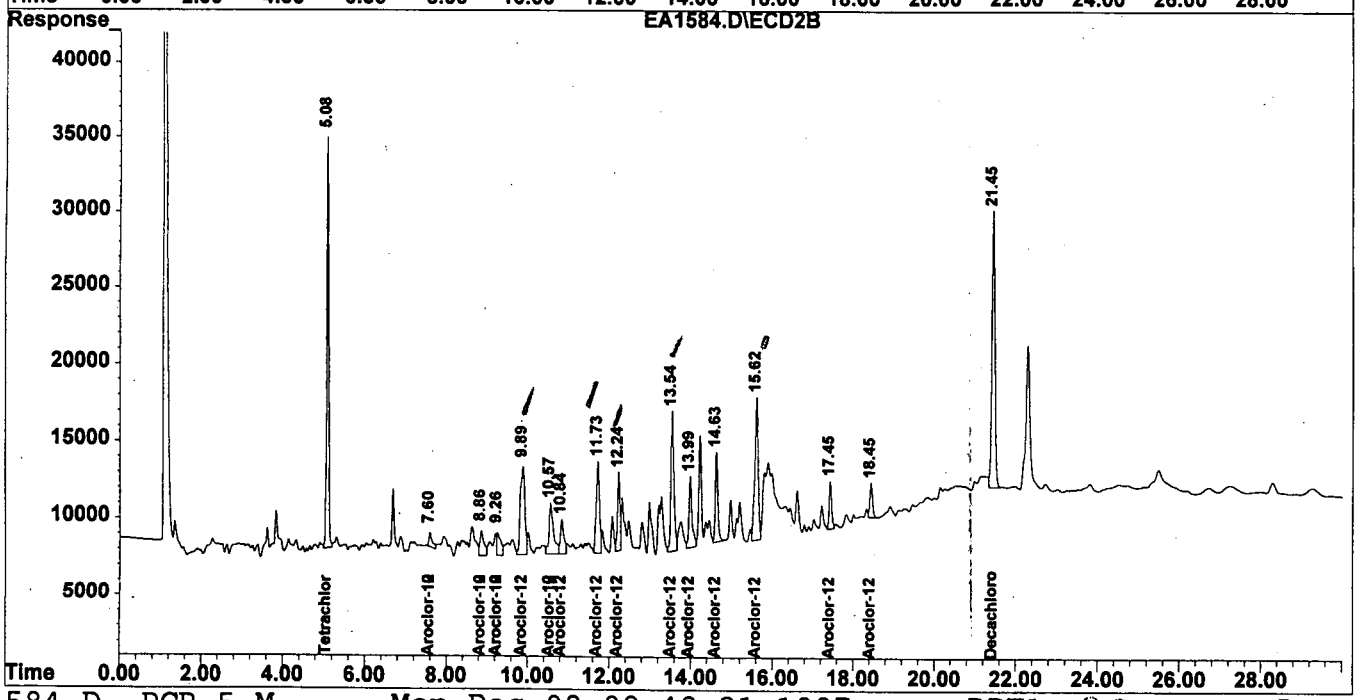
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1584.D\ECD2B.CH
Acq On : 8 Dec 97 3:50 Operator:
Sample : 278125 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



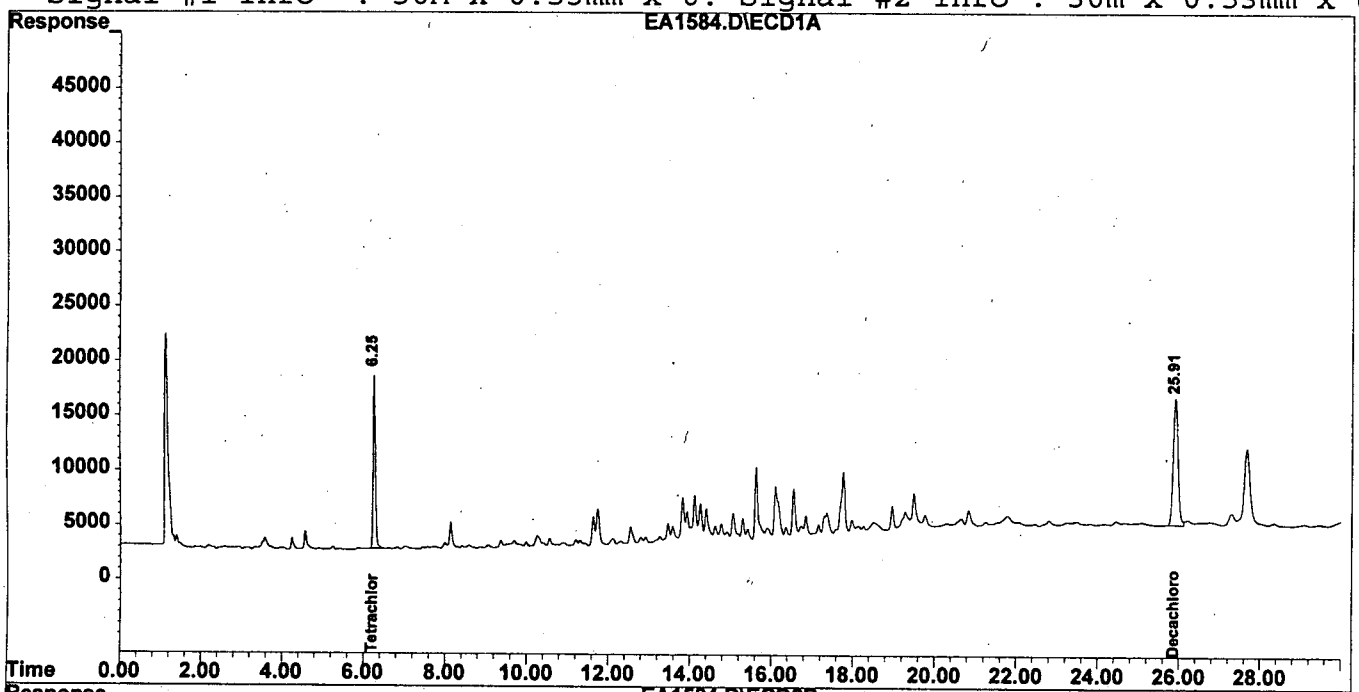


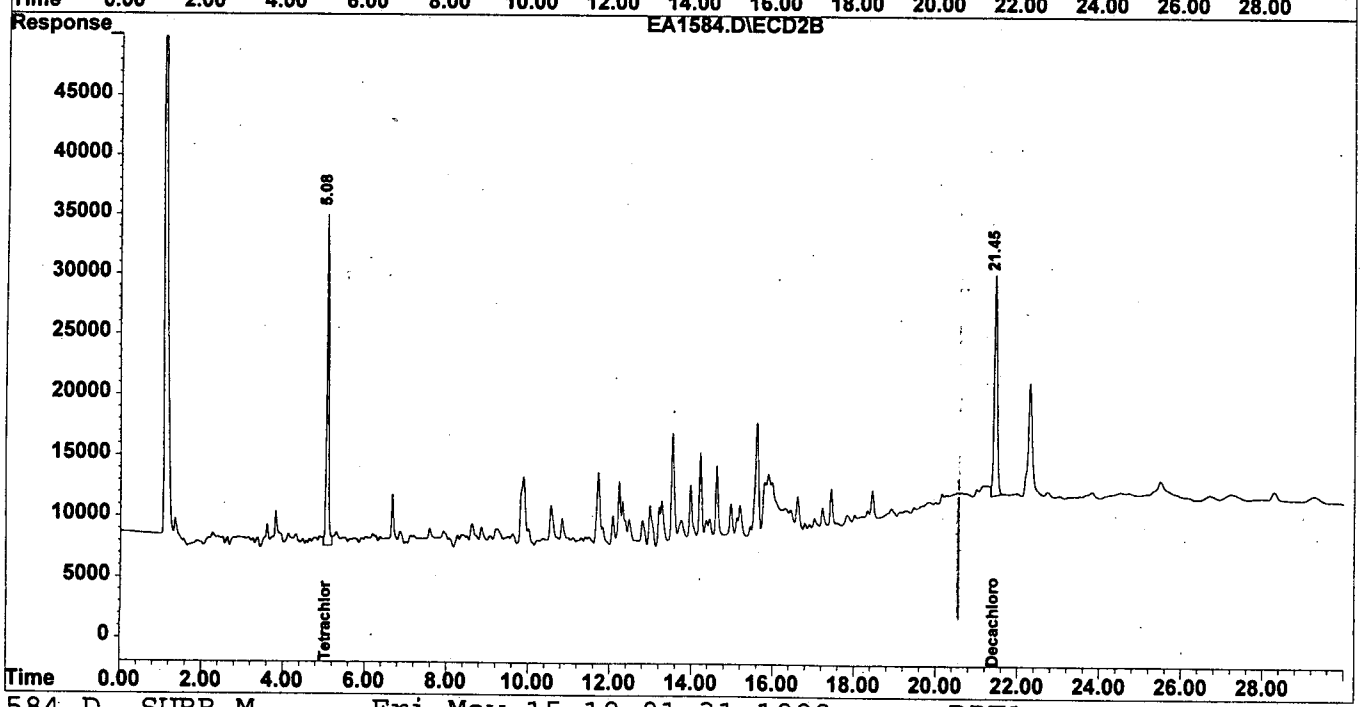
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1584.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1584.D\ECD2B.CH
Acq On : 8 Dec 97 3:50 Operator:
Sample : 278125 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:28 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





18 3A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278126
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	20.22% ✓

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	84	58
Aroclor-1232	U	U	42	33
Aroclor-1242	U	U	42	21
Aroclor-1248	U	U	42	25
Aroclor-1254	U	U	42	29
Aroclor-1260	U	U	42	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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All rights reserved.
NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD2B.CH
Acq On : 8 Dec 97 4:24 Operator:
Sample : 278126 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	581279	900965	42.251	45.301
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.63%	113.25%
2) SA Decachlorobiphen	25.91	21.45	974639	970606	41.889m	44.667m
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.72%	111.67%
Target Compounds						
4) L1 Aroclor-1016{2}	0.00	7.59	0	76848	N.D.	88.243 #
5) L1 Aroclor-1016{3}	0.00	8.87	0	122614	N.D.	66.070 #
7) L1 Aroclor-1016{5}	0.00	10.62	0	66009	N.D.	78.355 #
Sum Aroclor-1016			0	265472	N.D.	232.668
Average Aroclor-1016					0.000	77.556 NP
11) L2 Aroclor-1221{4}	0.00	8.87	0	122614	N.D.	892.729 #
Sum Aroclor-1221			0	122614	N.D.	892.729
Average Aroclor-1221					0.000	892.729 NP
13) L3 Aroclor-1232{2}	0.00	7.59	0	76848	N.D.	209.359 #
14) L3 Aroclor-1232{3}	0.00	8.87	0	122614	N.D.	162.964 #
16) L3 Aroclor-1232{5}	0.00	10.62	0	66009	N.D.	173.157 #
Sum Aroclor-1232			0	265472	N.D.	545.480
Average Aroclor-1232					0.000	181.827 NP
18) L4 Aroclor-1242{2}	0.00	7.59	0	76848	N.D.	118.431 #
19) L4 Aroclor-1242{3}	0.00	8.87	0	122614	N.D.	87.909 #
20) L4 Aroclor-1242{4}	0.00	9.33	0	111972	N.D.	182.988 #
21) L4 Aroclor-1242{5}	0.00	10.62	0	66009	N.D.	99.793 #
Sum Aroclor-1242			0	377444	N.D.	489.122
Average Aroclor-1242					0.000	122.280 NP
22) L5 Aroclor-1248{1}	0.00	7.59	0	76848	N.D.	215.886 #
23) L5 Aroclor-1248{2}	0.00	8.87	0	122614	N.D.	101.124 #
24) L5 Aroclor-1248{3}	0.00	10.62	0	66009	N.D.	70.252 #
25) L5 Aroclor-1248{4}	0.00	10.88	0	24017	N.D.	27.690 #
26) L5 Aroclor-1248{5}	15.63	13.55	72050	170969	217.043	488.068 #
Sum Aroclor-1248			72050	460458	217.043	898.019
Average Aroclor-1248					217.043 NP	179.604 NP

MW 12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDATA\EA1585.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1585.D\ECD2B.CH
Acq On : 8 Dec 97 4:24 Operator:
Sample : 278126 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:20 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	581943	952431	40.915	43.988
Spiked Amount 40.000 Range 43 - 150 Recovery =					102.29%	109.97%
2) SA Decachlorobiphen	25.91	21.45	959830	971154	40.809	42.569m
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.02%	106.42%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

185A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD2B.CH
Acq On : 8 Dec 97 4:24 Operator:
Sample : 278126 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
27)	L6 Aroclor-1254{1}	11.60	9.88	18980	60192	50.732m	97.653 #
28)	L6 Aroclor-1254{2}	13.83	11.73	21152	70089	35.645m	56.744 #
29)	L6 Aroclor-1254{3}	15.63	12.24	72050	76264	55.451	77.173 #
30)	L6 Aroclor-1254{4}	16.55	13.55	78102	114826	125.055	82.006m#
31)	L6 Aroclor-1254{5}	17.77	15.62	97022	179356	79.992m	130.566m#
	Sum Aroclor-1254			287306	500728	346.876	444.142
	Average Aroclor-1254					69.375 <PQL	88.828 <PQL
32)	L7 Aroclor-1260{1}	16.17	13.99	59250	102884	60.987	93.776 #
33)	L7 Aroclor-1260{2}	16.55	14.63	78102	125231	66.250	86.015 #
34)	L7 Aroclor-1260{3}	18.96	15.62	43662	274842	52.627	144.820 #
35)	L7 Aroclor-1260{4}	0.00	17.45	0	85808	N.D.	38.482 #
36)	L7 Aroclor-1260{5}	0.00	18.46	0	72221	N.D.	44.340 #
	Sum Aroclor-1260			181013	660986	179.864	407.433
	Average Aroclor-1260					59.955 NP	81.487 NP

186

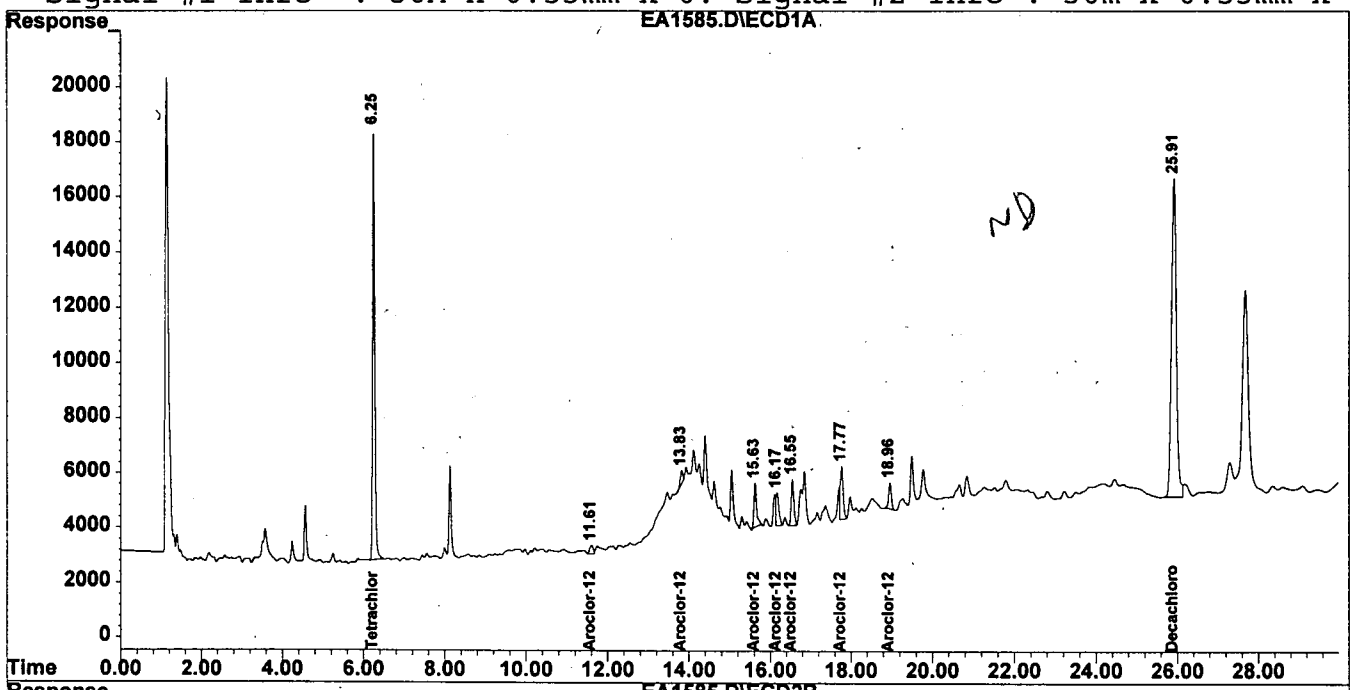
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

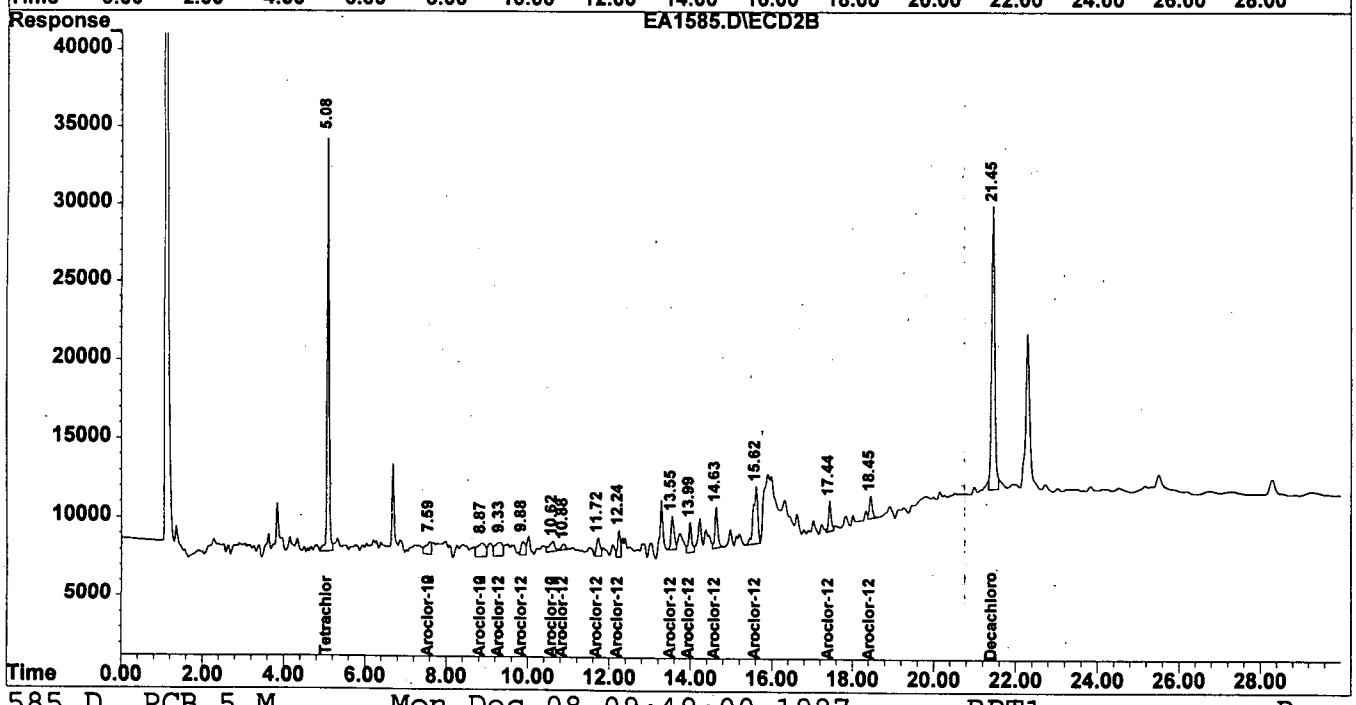
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1585.D\ECD2B.CH
Acq On : 8 Dec 97 4:24 Operator:
Sample : 278126 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



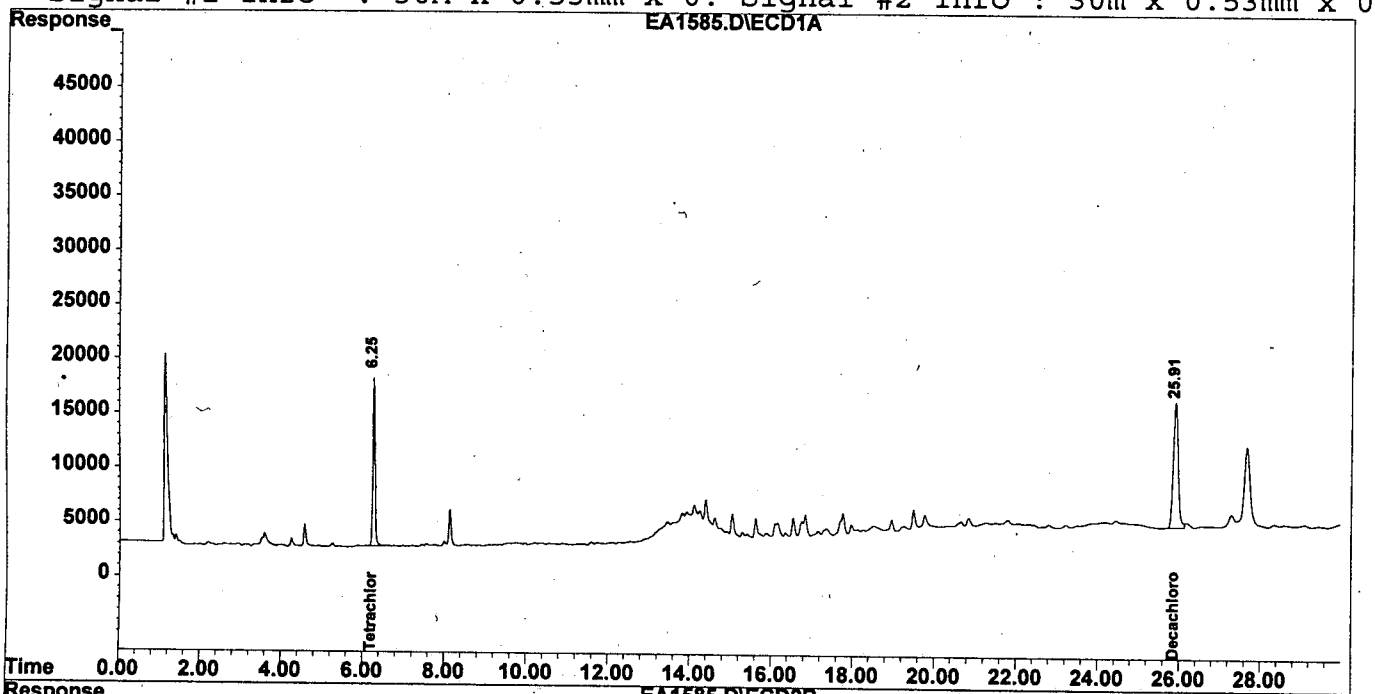


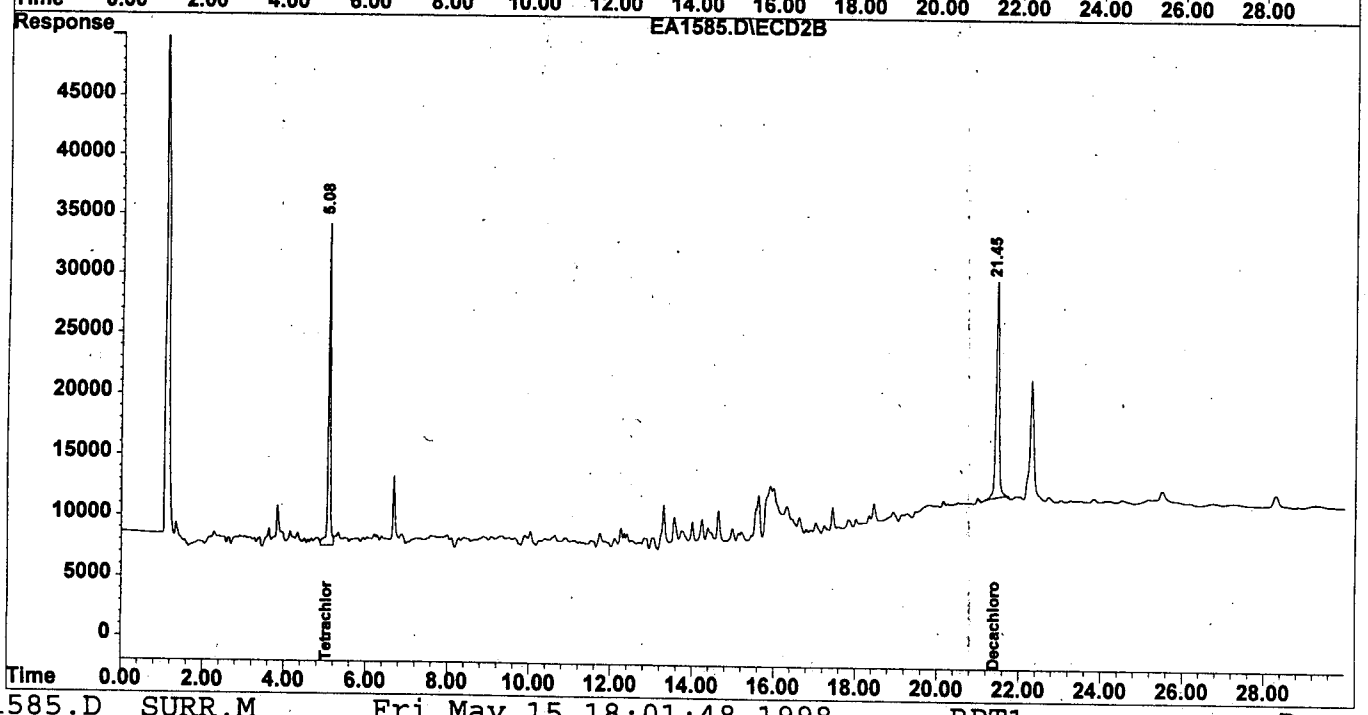
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1585.D\ECD1A.CH Vial: 16
Signal #2 : E:\WESTDATA\EA1585.D\ECD2B.CH
Acq On : 8 Dec 97 4:24 Operator:
Sample : 278126 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:20 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278127
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	47.1%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	63	32
Aroclor-1221	U	U	130	88
Aroclor-1232	U	U	63	50
Aroclor-1242	U	U	63	32
Aroclor-1248	U	U	63	38
Aroclor-1254	1300	U	63	44
Aroclor-1260	U	U	63	50

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD2B.CH
Acq On : 8 Dec 97 5:30 Operator:
Sample : 278127 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	584633	848393	42.495	42.658	
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.24%	106.65%	
2) SA Decachlorobiphen	25.91	21.45	887346	863793	38.137	39.752	
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.34%	99.38%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	0.00	78646	0	236.318	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.59	68168	135973	100.546	156.135	#
5) L1 Aroclor-1016{3}	10.56	8.86	194050	292723	151.956	157.732	
6) L1 Aroclor-1016{4}	0.00	9.21	0	386955	N.D.	458.787	#
7) L1 Aroclor-1016{5}	12.55	10.57	692895	957401	1061.398	1136.462	
Sum Aroclor-1016			1033760	1773053	1550.218	1909.116	
Average Aroclor-1016					387.555 NP	477.279 NP	
11) L2 Aroclor-1221{4}	7.99	8.86	78646	292723	192.813	2131.250	#
Sum Aroclor-1221			78646	292723	192.813	2131.250	
Average Aroclor-1221					192.813 NP	2131.250 NP	
12) L3 Aroclor-1232{1}	7.99	0.00	78646	0	271.388	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.59	68168	135973	219.508	370.434	#
14) L3 Aroclor-1232{3}	10.56	8.86	194050	292723	381.563	389.051	
15) L3 Aroclor-1232{4}	12.55	9.21	692895	386955	2196.874	1147.006	#
16) L3 Aroclor-1232{5}	13.47	10.57	547024	957401	2411.496	2511.466	
Sum Aroclor-1232			1580784	1773053	5480.829	4417.957	
Average Aroclor-1232					1096.166 NP	1104.489 NP	
17) L4 Aroclor-1242{1}	7.99	0.00	78646	0	301.767	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.59	68168	135973	126.802	209.548	#
19) L4 Aroclor-1242{3}	10.56	8.86	194050	292723	199.635	209.869	
20) L4 Aroclor-1242{4}	0.00	9.21	0	386955	N.D.	632.375	#
21) L4 Aroclor-1242{5}	12.55	10.57	692895	957401	1243.375	1447.404	
Sum Aroclor-1242			1033760	1773053	1871.580	2499.197	
Average Aroclor-1242					467.895 NP	624.799 NP	
22) L5 Aroclor-1248{1}	9.36	7.59	68168	135973	237.097	381.982	#

DMM 12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDATA\EA1587.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1587.D\ECD2B.CH
Acq On : 8 Dec 97 5:30 Operator:
Sample : 278127 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	593464	939072	41.725	43.371
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.31%	108.43%
2) SA Decachlorobiphen	25.91	21.45	896460	1008872	38.115	44.222
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.29%	110.56%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD2B.CH
Acq On : 8 Dec 97 5:30 Operator:
Sample : 278127 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
23) L5	Aroclor-1248{2}	10.56	8.86	194050	292723	231.326	241.417
24) L5	Aroclor-1248{3}	12.55	10.57	692895	957401	911.057	1018.930
25) L5	Aroclor-1248{4}	13.47	10.84	547024	546232	770.145	629.763
26) L5	Aroclor-1248{5}	15.63	13.54	2526674	2965191	7611.351	8378.064
Sum	Aroclor-1248			4028812	4897521	9760.976	10650.155
Average	Aroclor-1248					1952.195	2130.031
27) L6	Aroclor-1254{1}	11.63	9.88	618142	2162988	1652.234	3509.151 #
28) L6	Aroclor-1254{2}	13.82	11.72	1683160	2017688	2836.432	1633.515 #
29) L6	Aroclor-1254{3}	15.63	12.24	2526674	1448380	1944.588	1465.642
30) L6	Aroclor-1254{4}	16.55	13.54	1290182	2965191	2065.812	2117.676
31) L6	Aroclor-1254{5}	17.77	15.62	2353144	3211376	1940.114	2337.783
Sum	Aroclor-1254			8471303	11805624	10439.181	11063.768
Average	Aroclor-1254					2087.836	2212.754
32) L7	Aroclor-1260{1}	0.00	13.99	0	1457625	N.D.	1328.587 #
33) L7	Aroclor-1260{2}	16.55	14.63	1290182	1438133	1094.396	987.789
34) L7	Aroclor-1260{3}	18.97	15.62	611106	3211376	736.593	1692.138 #
35) L7	Aroclor-1260{4}	0.00	17.45	0	585302	N.D.	262.489 #
36) L7	Aroclor-1260{5}	20.83	18.45	357704	439933	228.911	270.095
Sum	Aroclor-1260			2258992	7132369	2059.900	4541.098
Average	Aroclor-1260					686.633	908.220

12/8/97

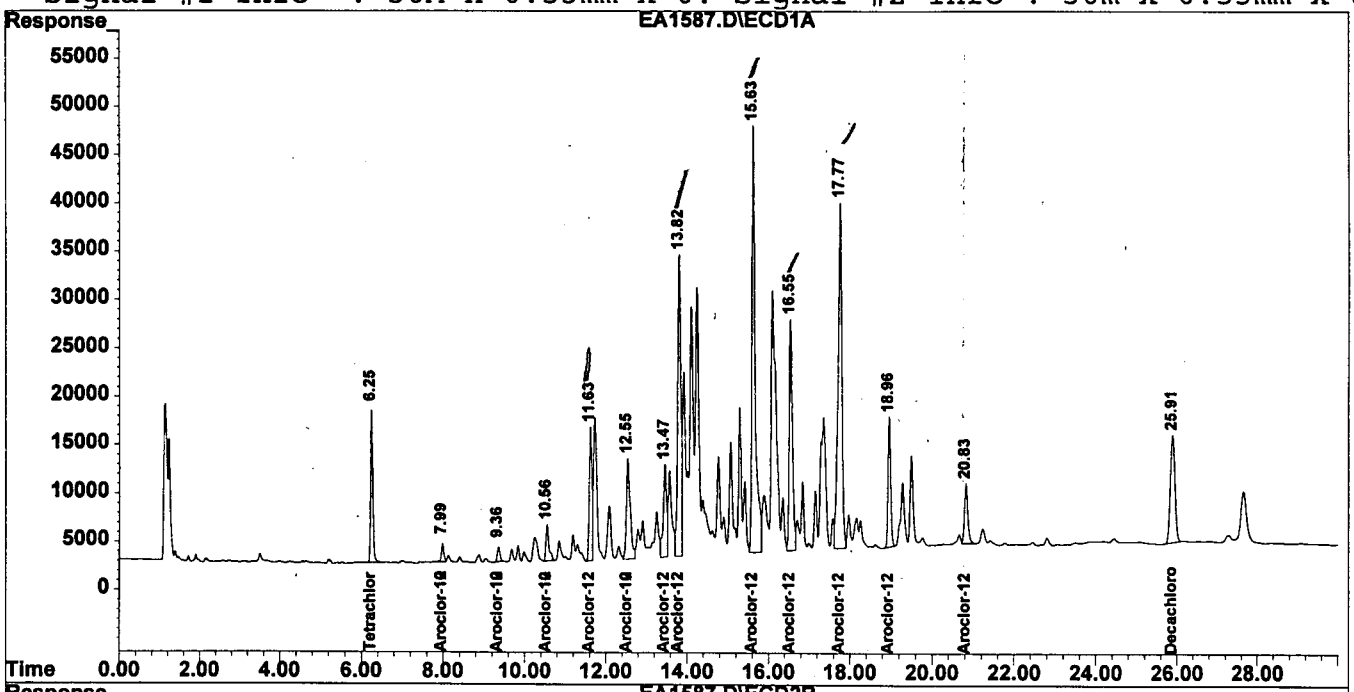
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

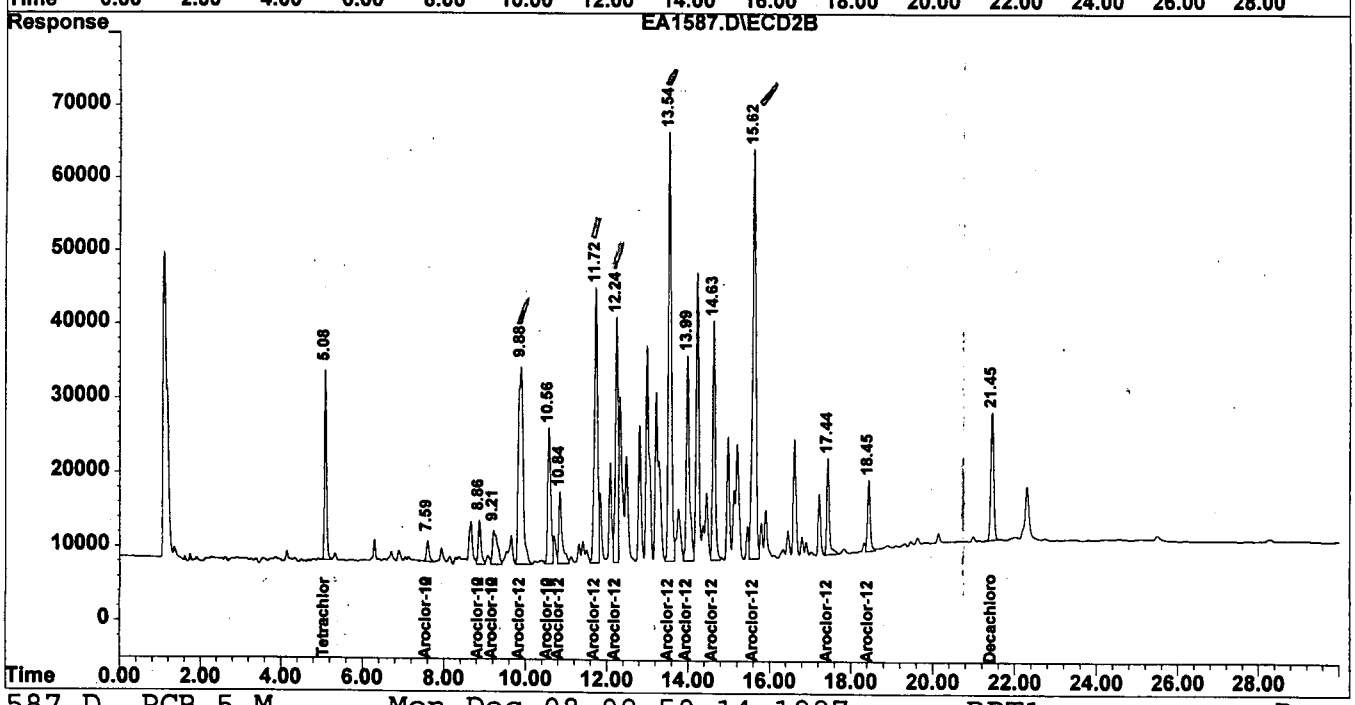
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1587.D\ECD2B.CH
Acq On : 8 Dec 97 5:30 Operator:
Sample : 278127 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



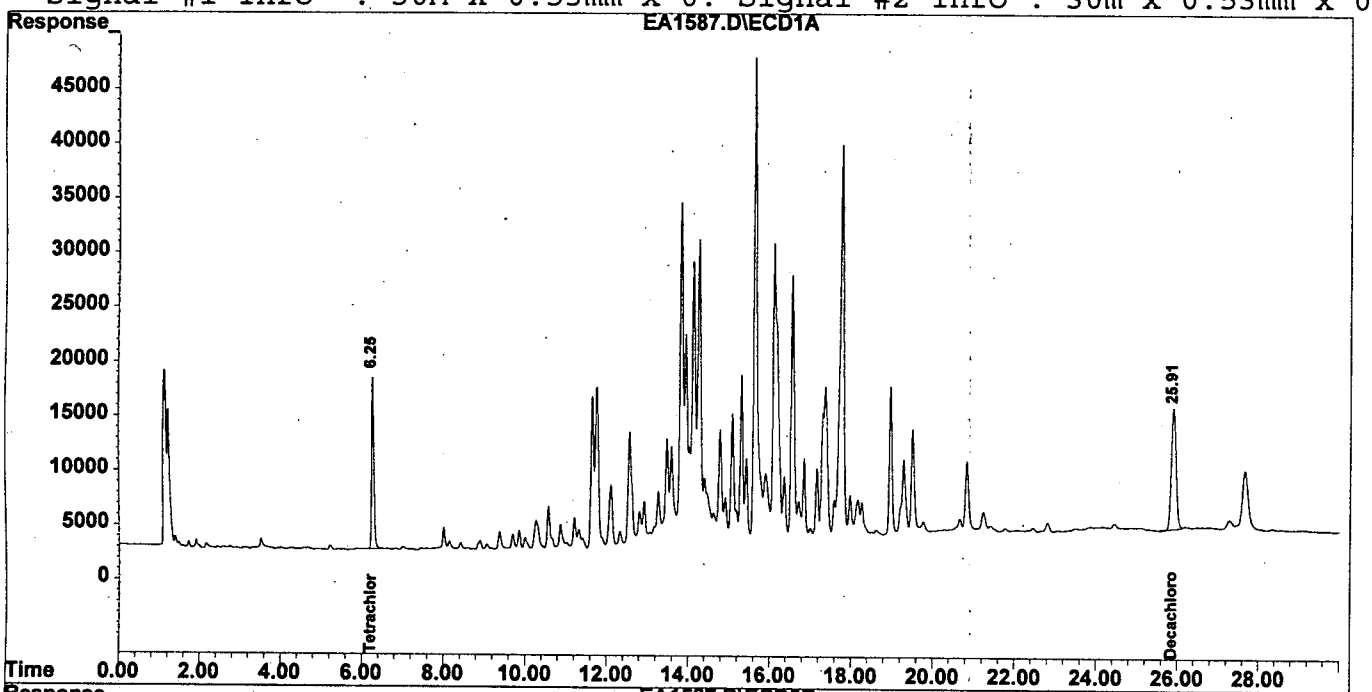


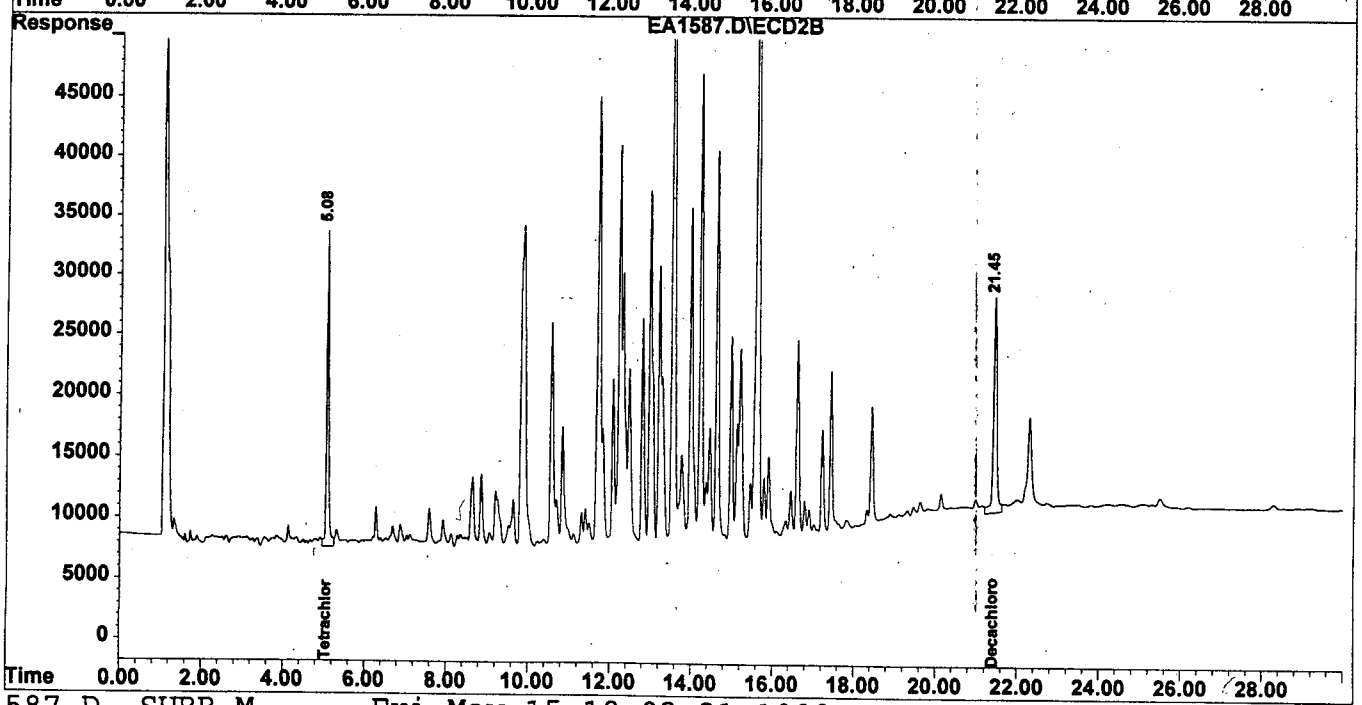
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1587.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDATA\EA1587.D\ECD2B.CH
Acq On : 8 Dec 97 5:30 Operator:
Sample : 278127 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





191A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278128
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	21.25%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	85	59
Aroclor-1232	U	U	42	34
Aroclor-1242	U	U	42	21
Aroclor-1248	U	U	42	25
Aroclor-1254	460	U	42	30
Aroclor-1260	U	U	42	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD2B.CH
Acq On : 8 Dec 97 6:04 Operator:
Sample : 278128 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	606055	864693	44.052	43.477	
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.13%	108.69%	
2) SA Decachlorobiphen	25.91	21.45	976217	912924	41.957m	42.013	
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.89%	105.03%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	46776	0	140.551	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.60	21723	77434	32.041	88.916	#
5) L1 Aroclor-1016{3}	10.56	8.86	61819	168174	48.409	90.620	#
6) L1 Aroclor-1016{4}	0.00	9.22	0	208368	N.D.	247.048	#
7) L1 Aroclor-1016{5}	12.55	10.57	191185	441969	292.863	524.629	#
Sum Aroclor-1016			321503	895946	513.865	951.213	
Average Aroclor-1016					128.466 NP	237.803 NP	
8) L2 Aroclor-1221{1}	5.21	0.00	24967	0	192.549	N.D.	#
9) L2 Aroclor-1221{2}	0.00	6.39	0	12750	N.D.	73.637	#
11) L2 Aroclor-1221{4}	8.00	8.86	46776	168174	114.677	1224.440	#
Sum Aroclor-1221			71742	180924	307.226	1298.077	
Average Aroclor-1221					153.613 NP	649.039 NP	
12) L3 Aroclor-1232{1}	8.00	0.00	46776	0	161.410	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.60	21723	77434	69.951	210.954	#
14) L3 Aroclor-1232{3}	10.56	8.86	61819	168174	121.556	223.517	#
15) L3 Aroclor-1232{4}	12.55	9.22	191185	208368	606.167	617.642	
16) L3 Aroclor-1232{5}	13.47	10.57	150436	441969	663.181	1159.378	#
Sum Aroclor-1232			471939	895946	1622.265	2211.491	
Average Aroclor-1232					324.453 NP	552.873 NP	
17) L4 Aroclor-1242{1}	8.00	0.00	46776	0	179.478	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.60	21723	77434	40.408	119.333	#
19) L4 Aroclor-1242{3}	10.56	8.86	61819	168174	63.598	120.574	#
20) L4 Aroclor-1242{4}	0.00	9.22	0	208368	N.D.	340.522	#
21) L4 Aroclor-1242{5}	12.55	10.57	191185	441969	343.075	668.171	#
Sum Aroclor-1242			321503	895946	626.560	1248.600	
Average Aroclor-1242					156.640 NP	312.150 NP	

MW 12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1588.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1588.D\ECD2B.CH
Acq On : 8 Dec 97 6:04 Operator:
Sample : 278128 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	609365	985988	42.843	45.537
Spiked Amount 40.000 Range 43 - 150 Recovery =					107.11%	113.84%
2) SA Decachlorobiphen	25.91	21.45	973528	944340	41.392	41.393
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.48%	103.48%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD2B.CH
Acq On : 8 Dec 97 6:04 Operator:
Sample : 278128 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.60	21723	77434	75.557	217.531	#
23)	L5 Aroclor-1248{2}	10.56	8.86	61819	168174	73.694	138.698	#
24)	L5 Aroclor-1248{3}	12.55	10.57	191185	441969	251.381	470.373	#
25)	L5 Aroclor-1248{4}	13.47	10.84	150436	197589	211.796	227.805	
26)	L5 Aroclor-1248{5}	15.63	13.54	1338946	1603811	4033.440	4531.522	
	Sum Aroclor-1248			1764110	2488977	4645.868	5585.928	
	Average Aroclor-1248					929.174 NP	1117.186 NP	
27)	L6 Aroclor-1254{1}	11.63	9.89	233407	788865	623.874	1279.825	#
28)	L6 Aroclor-1254{2}	13.83	11.72	641276	934731	1080.667	756.756	#
29)	L6 Aroclor-1254{3}	15.63	12.24	1338946	769354	1030.485	778.523	
30)	L6 Aroclor-1254{4}	16.55	13.54	882422	1603811	1412.916	1145.407	
31)	L6 Aroclor-1254{5}	17.77	15.62	1580408	2102182	1303.011	1530.324	
	Sum Aroclor-1254			4676460	6198942	5450.953	5490.835	
	Average Aroclor-1254					1090.191	1098.167	
32)	L7 Aroclor-1260{1}	16.17	13.99	607587	922218	625.400	840.577	#
33)	L7 Aroclor-1260{2}	16.55	14.63	882422	1032083	748.514	708.891	
34)	L7 Aroclor-1260{3}	18.97	15.62	412864	2102182	497.643	1107.681	#
35)	L7 Aroclor-1260{4}	0.00	17.45	0	451012	N.D.	202.265	#
36)	L7 Aroclor-1260{5}	20.84	18.45	303433	360214	194.181	221.152	
	Sum Aroclor-1260			2206307	4867708	2065.738	3080.566	
	Average Aroclor-1260					516.434 NP	616.113 NP	

12/8/97

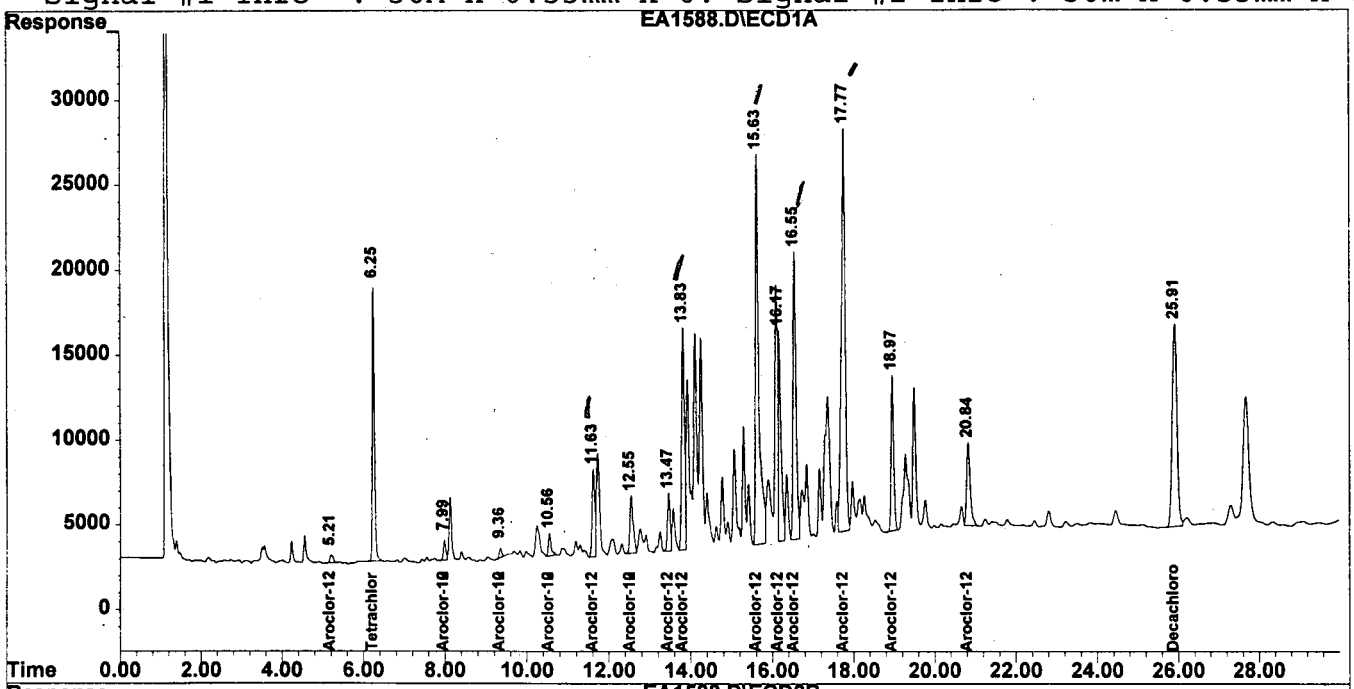
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

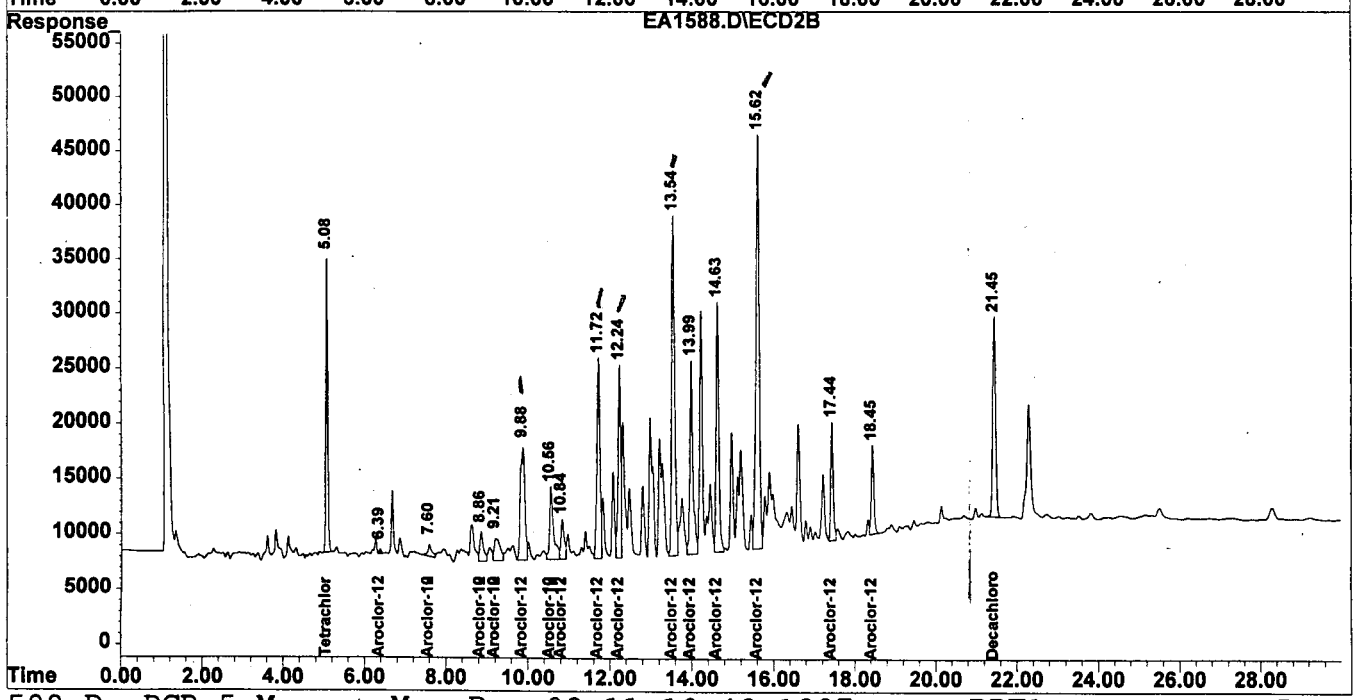
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1588.D\ECD2B.CH
Acq On : 8 Dec 97 6:04 Operator:
Sample : 278128 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



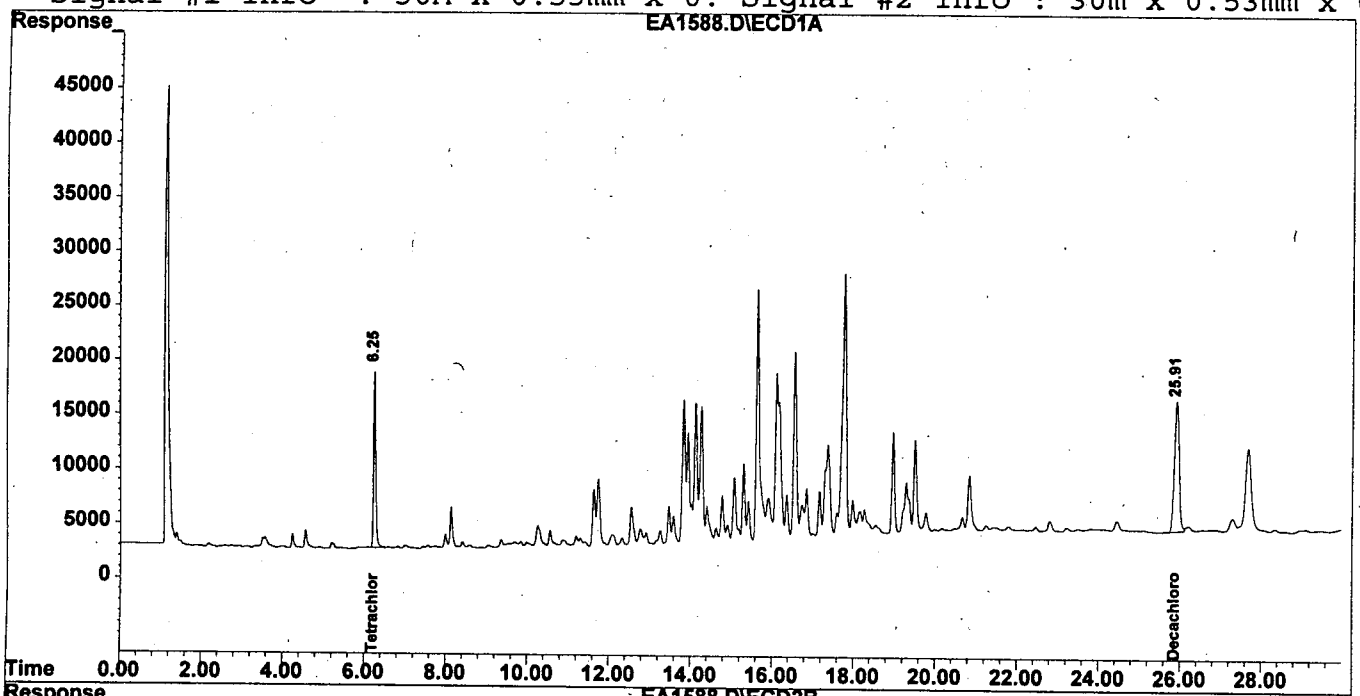


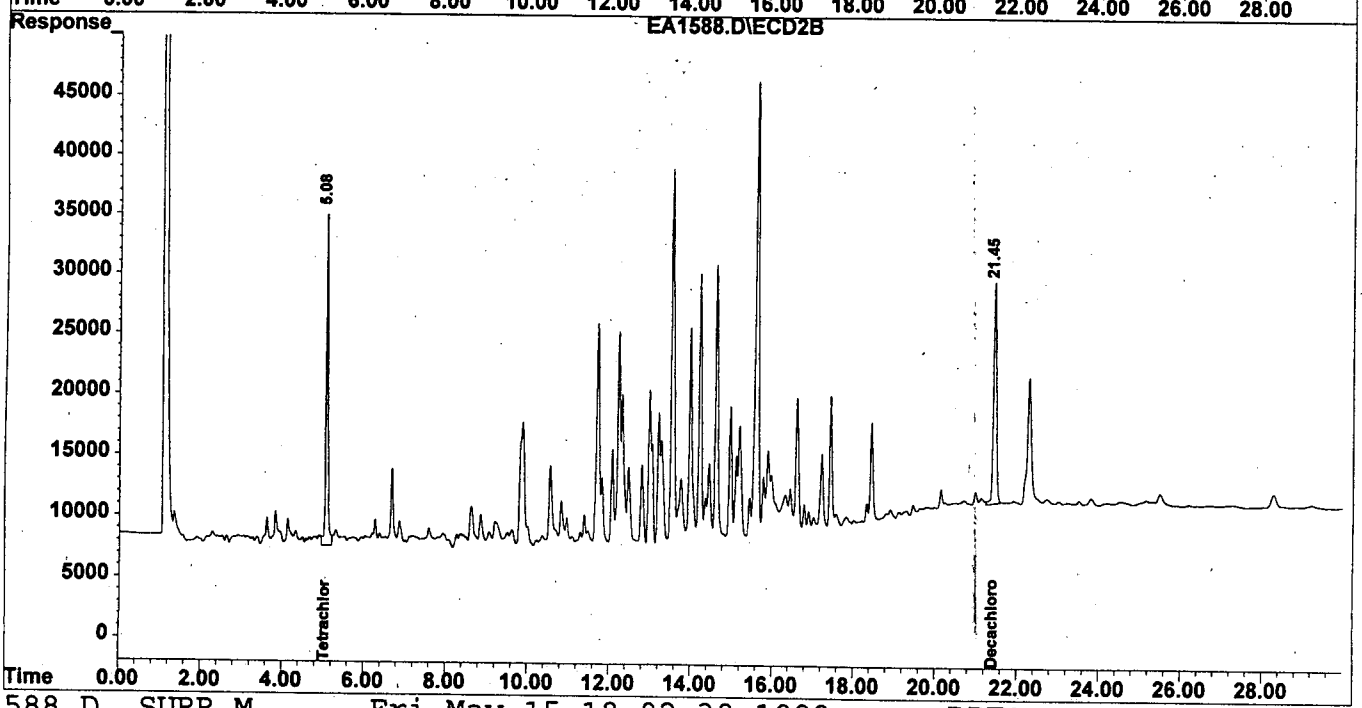
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1588.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1588.D\ECD2B.CH
Acq On : 8 Dec 97 6:04 Operator:
Sample : 278128 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278129
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	28.27%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	460	230
Aroclor-1221	U	U	930	650
Aroclor-1232	U	U	460	370
Aroclor-1242	U	U	460	230
Aroclor-1248	U	U	460	280
Aroclor-1254	7500	U	460	320
Aroclor-1260	U	U	460	370

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD2B.CH
Acq On : 8 Dec 97 17:15 Operator:
Sample : 278129 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:57 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	64908	89712	4.718	4.511m
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.80%#	11.28%#
2) SA Decachlorobiphen	25.88	21.43	124925	143685	5.369m	6.612m
Spiked Amount 40.000 Range 24 - 154 Recovery =					13.42%#	16.53%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	107907	0	324.241	N.D. #
4) L1 Aroclor-1016{2}	9.35	7.59	22508	58966	33.199	67.709 #
5) L1 Aroclor-1016{3}	10.55	8.85	58709	203989	45.974	109.019 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	159204	N.D.	188.758 #
7) L1 Aroclor-1016{5}	12.54	10.55	128870	273202	197.406	324.298 #
Sum Aroclor-1016			317994	695361	600.820	690.683
Average Aroclor-1016					150.205	172.671
11) L2 Aroclor-1221{4}	7.98	8.85	107907	203989	264.550	1485.202 #
Sum Aroclor-1221			107907	203989	264.550	1485.202
Average Aroclor-1221					264.550	1485.202
12) L3 Aroclor-1232{1}	7.98	0.00	107907	0	372.360	N.D. #
13) L3 Aroclor-1232{2}	9.35	7.59	22508	58966	72.479	160.641 #
14) L3 Aroclor-1232{3}	10.55	8.85	58709	203989	115.440	271.118 #
15) L3 Aroclor-1232{4}	12.54	9.20	128870	159204	408.590	471.910
16) L3 Aroclor-1232{5}	13.46	10.55	245354	273202	1081.618	716.667 #
Sum Aroclor-1232			563349	695361	2050.487	1620.335
Average Aroclor-1232					410.097	405.084
18) L4 Aroclor-1242{2}	9.35	7.59	22508	58966	41.868	90.872 #
19) L4 Aroclor-1242{3}	10.55	8.85	58709	203989	60.399	146.251 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	159204	N.D.	260.177 #
21) L4 Aroclor-1242{5}	12.54	10.55	128870	273202	231.252	413.028 #
Sum Aroclor-1242			210087	695361	333.519	910.328
Average Aroclor-1242					111.173	227.582
22) L5 Aroclor-1248{1}	9.35	7.59	22508	58966	78.287	165.649 #
23) L5 Aroclor-1248{2}	10.55	8.85	58709	203989	69.987	168.236 #

MW 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1606.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1606.D\ECD2B.CH
Acq On : 8 Dec 97 17:15 Operator:
Sample : 278129 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:25 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	65932	91936	4.636	4.246m
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.59%#	10.62%#
2) SA Decachlorobiphen	25.88	21.43	116698	140125	4.962	6.142m
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.41%#	15.36%#

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD2B.CH
Acq On : 8 Dec 97 17:15 Operator:
Sample : 278129 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
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Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
24)	L5 Aroclor-1248{3}	12.54	10.55	128870	273202	169.445	290.760	#
25)	L5 Aroclor-1248{4}	13.46	10.82	245354	161800	345.430	186.543	#
26)	L5 Aroclor-1248{5}	15.62	13.53	2259845	2898207	6807.553	8188.801	
	Sum Aroclor-1248			2715286	3596164	7470.701	8999.988	
	Average Aroclor-1248					1494.140 NP	1799.998 NP	
27)	L6 Aroclor-1254{1}	11.62	9.87	230196	778770	615.292	1263.448	#
28)	L6 Aroclor-1254{2}	13.80	11.71	1338510	1382020	2255.635	1118.880	#
29)	L6 Aroclor-1254{3}	15.62	12.22	2259845	1211529	1739.230	1225.968	#
30)	L6 Aroclor-1254{4}	16.54	13.53	1434387	2898207	2296.711	2069.837	
31)	L6 Aroclor-1254{5}	17.76	15.60	2497139	3294162	2058.834	2398.048	
	Sum Aroclor-1254			7760077	9564688	8965.702	8076.182	
	Average Aroclor-1254					1793.140	1615.236	
32)	L7 Aroclor-1260{1}	16.15	13.98	1023946	1470981	1053.966	1340.760	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1434387	1603252	1216.718	1101.202	
34)	L7 Aroclor-1260{3}	18.95	15.60	671938	3294162	809.916	1735.759	#
35)	L7 Aroclor-1260{4}	19.49	17.43	572659	582226	298.787	261.110	
36)	L7 Aroclor-1260{5}	20.82	18.43	374944	451969	239.944	277.484	
	Sum Aroclor-1260			4077875	7402590	3619.331	4716.316	
	Average Aroclor-1260					723.866 NP	943.263 NP	

mw 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1606.D\ECD2B.CH
Acq On : 8 Dec 97 17:15 Operator:
Sample : 278129 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:57 1997 Quant Results File: PCB_5.RES

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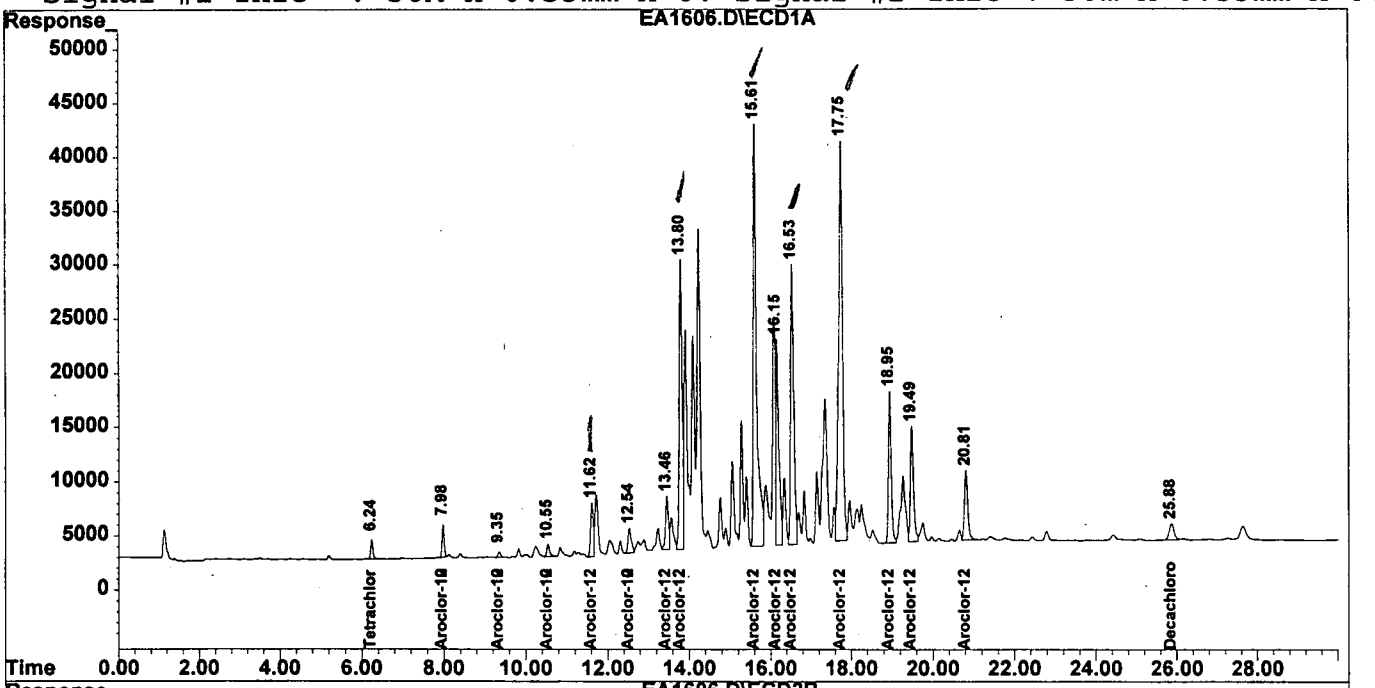
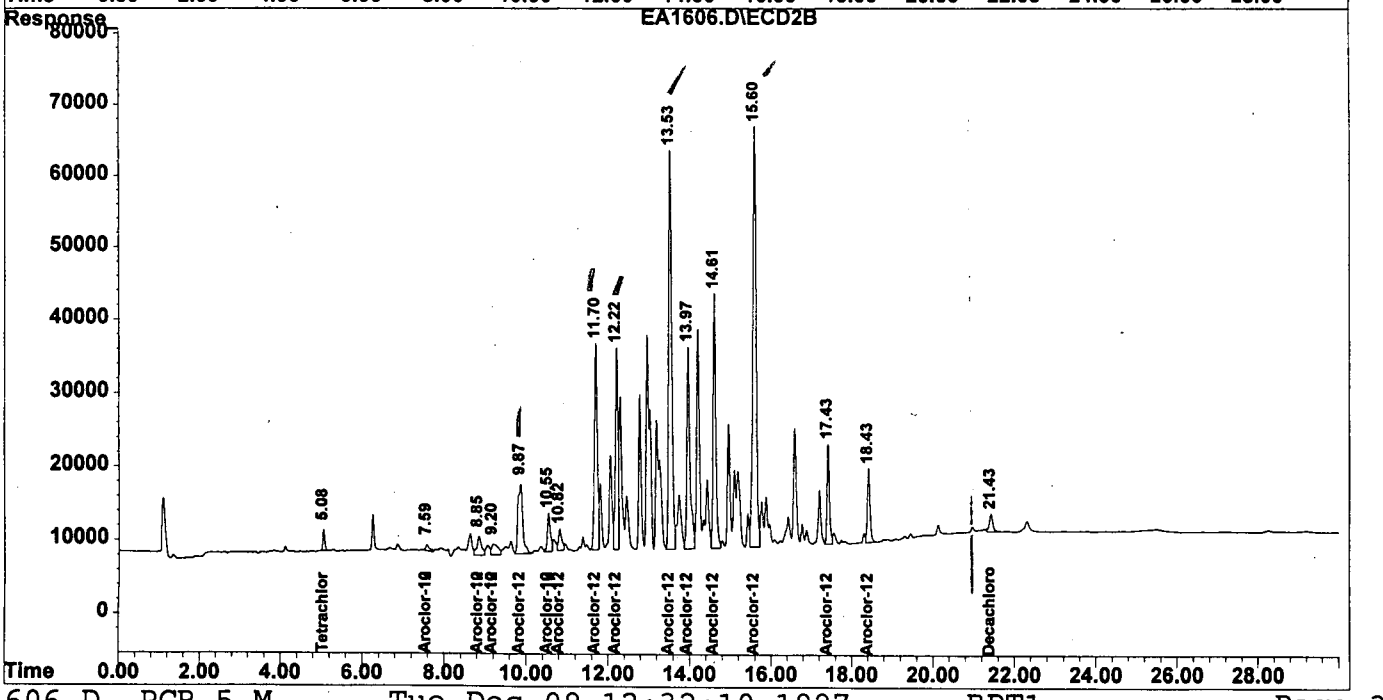
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





Quantitation Report

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1606.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDATA\EA1606.D\ECD2B.CH
Acq On : 8 Dec 97 17:15 Operator:
Sample : 278129 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:25 1998 Quant Results File: SURR.RES

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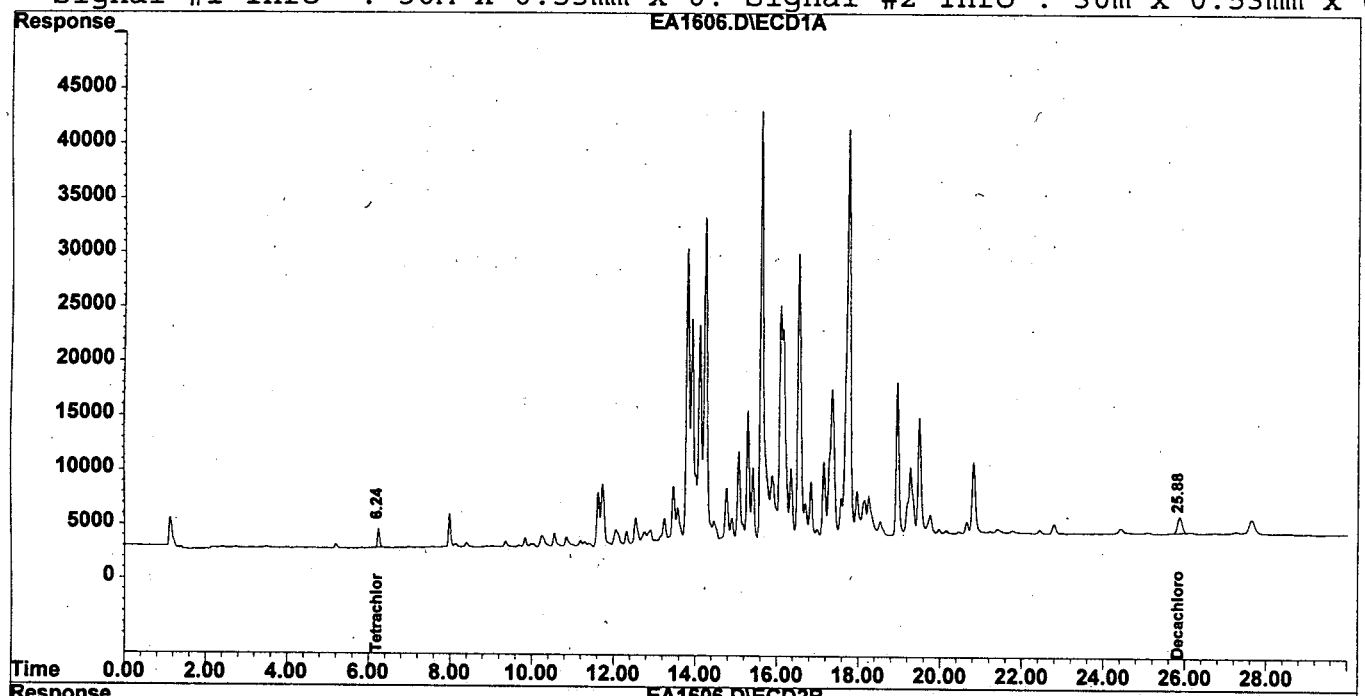

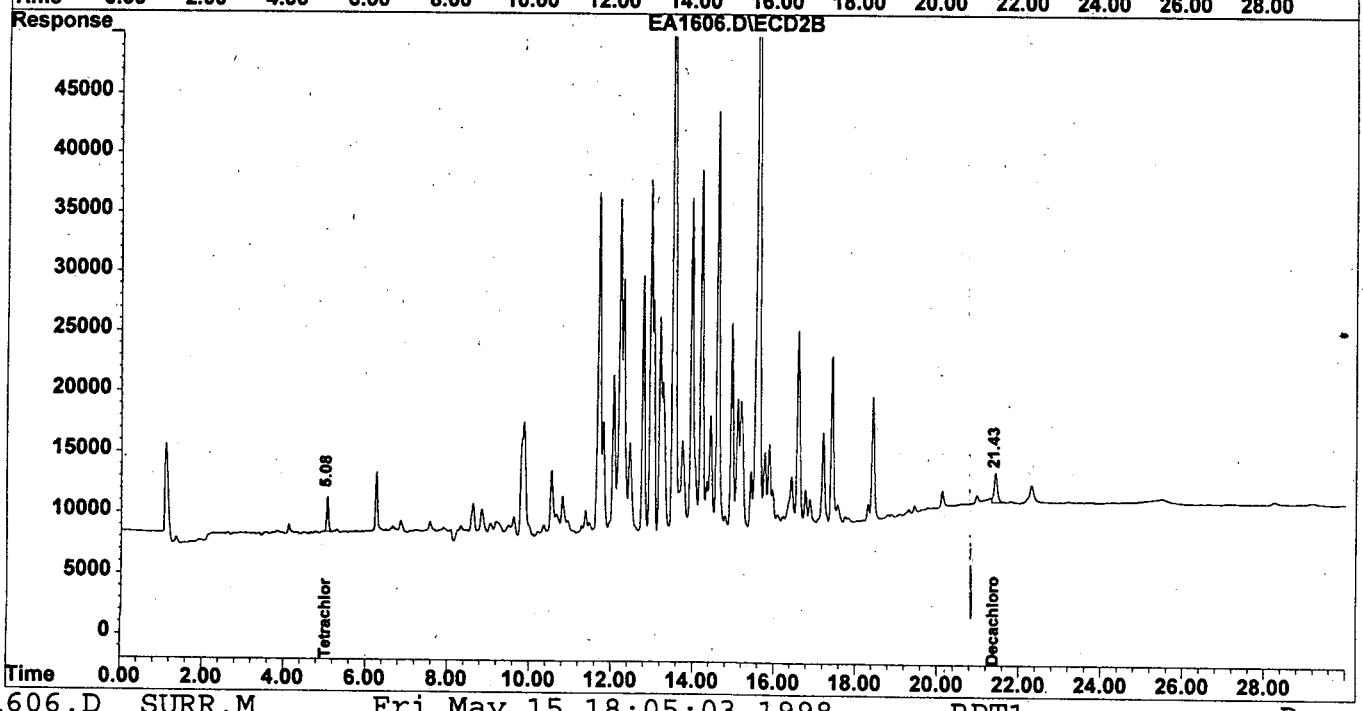

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278130
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	28.9%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	470	230
Aroclor-1221	U	U	940	660
Aroclor-1232	U	U	470	380
Aroclor-1242	U	U	470	230
Aroclor-1248	U	U	470	280
Aroclor-1254	5400	U	470	330
Aroclor-1260	U	U	470	380

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD2B.CH
Acq On : 8 Dec 97 17:49 Operator:
Sample : 278130 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:58 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	65851	95530	4.786	4.803
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.97%#	12.01%#
2) SA Decachlorobiphen	25.88	21.43	110400	103849	4.745m	4.779
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.86%#	11.95%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	75444	0	226.693	N.D. #
4) L1 Aroclor-1016{2}	9.35	7.58	21338	26141	31.474	30.018
5) L1 Aroclor-1016{3}	10.55	8.85	46304	100390	36.260	54.095 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	140938	N.D.	167.101 #
7) L1 Aroclor-1016{5}	12.54	10.55	183996	315302	281.852	374.272 #
Sum Aroclor-1016			327083	582772	576.278	625.486
Average Aroclor-1016					144.070 NP	156.371 NP
11) L2 Aroclor-1221{4}	7.98	8.85	75444	100390	184.960	730.916 #
Sum Aroclor-1221			75444	100390	184.960	730.916
Average Aroclor-1221					184.960 NP	730.916 NP
12) L3 Aroclor-1232{1}	7.98	0.00	75444	0	260.336	N.D. #
13) L3 Aroclor-1232{2}	9.35	7.58	21338	26141	68.712	71.217
14) L3 Aroclor-1232{3}	10.55	8.85	46304	100390	91.048	133.426 #
15) L3 Aroclor-1232{4}	12.54	9.20	183996	140938	583.374	417.767 #
16) L3 Aroclor-1232{5}	13.46	10.55	211239	315302	931.223	827.104
Sum Aroclor-1232			538321	582772	1934.693	1449.514
Average Aroclor-1232					386.939 NP	362.379 NP
18) L4 Aroclor-1242{2}	9.35	7.58	21338	26141	39.692	40.286
19) L4 Aroclor-1242{3}	10.55	8.85	46304	100390	47.637	71.975 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	140938	N.D.	230.326 #
21) L4 Aroclor-1242{5}	12.54	10.55	183996	315302	330.175	476.675 #
Sum Aroclor-1242			251639	582772	417.504	819.263
Average Aroclor-1242					139.168 NP	204.816 NP
22) L5 Aroclor-1248{1}	9.35	7.58	21338	26141	74.218	73.437
23) L5 Aroclor-1248{2}	10.55	8.85	46304	100390	55.199	82.794 #

Amd 12/5/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1607.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDATA\EA1607.D\ECD2B.CH
Acq On : 8 Dec 97 17:49 Operator:
Sample : 278130 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:25 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	66062	99059	4.645	4.575
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.61%#	11.44%#
2) SA Decachlorobiphen	25.88	21.43	108599	114973	4.617	5.040m
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.54%#	12.60%#

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 0 1A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD2B.CH
Acq On : 8 Dec 97 17:49 Operator:
Sample : 278130 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:58 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
24) L5	Aroclor-1248{3}	12.54	10.55	183996	315302	241.929	335.565 #
25) L5	Aroclor-1248{4}	13.46	10.83	211239	167186	297.399	192.752 #
26) L5	Aroclor-1248{5}	15.62	13.53	1744706	2165413	5255.749	6118.313
Sum	Aroclor-1248			2207583	2774432	5924.494	6802.863
Average	Aroclor-1248					1184.899 NP	1360.573 NP
27) L6	Aroclor-1254{1}	11.62	9.82	284538	346666	760.543	562.418m#
28) L6	Aroclor-1254{2}	13.81	11.71	1019433	1279076	1717.931	1035.537 #
29) L6	Aroclor-1254{3}	15.62	12.22	1744706	980047	1342.767	991.727 #
30) L6	Aroclor-1254{4}	16.54	13.53	1002889	2165413	1605.805	1546.492
31) L6	Aroclor-1254{5}	17.76	15.61	1719225	2187173	1417.462	1592.195
Sum	Aroclor-1254			5770791	6958374	6844.509	5728.368
Average	Aroclor-1254					1368.902	1145.674
32) L7	Aroclor-1260{1}	0.00	13.98	0	1092962	N.D.	996.206 #
33) L7	Aroclor-1260{2}	16.54	14.62	1002889	1162310	850.700	798.339
34) L7	Aroclor-1260{3}	18.95	15.61	451164	2187173	543.807	1152.465 #
35) L7	Aroclor-1260{4}	19.49	17.43	357273	363790	186.409	163.148
36) L7	Aroclor-1260{5}	20.82	18.43	269350	311269	172.369	191.103
Sum	Aroclor-1260			2080676	5117504	1753.285	3301.260
Average	Aroclor-1260					438.321 NP	660.252 NP

12/9/97

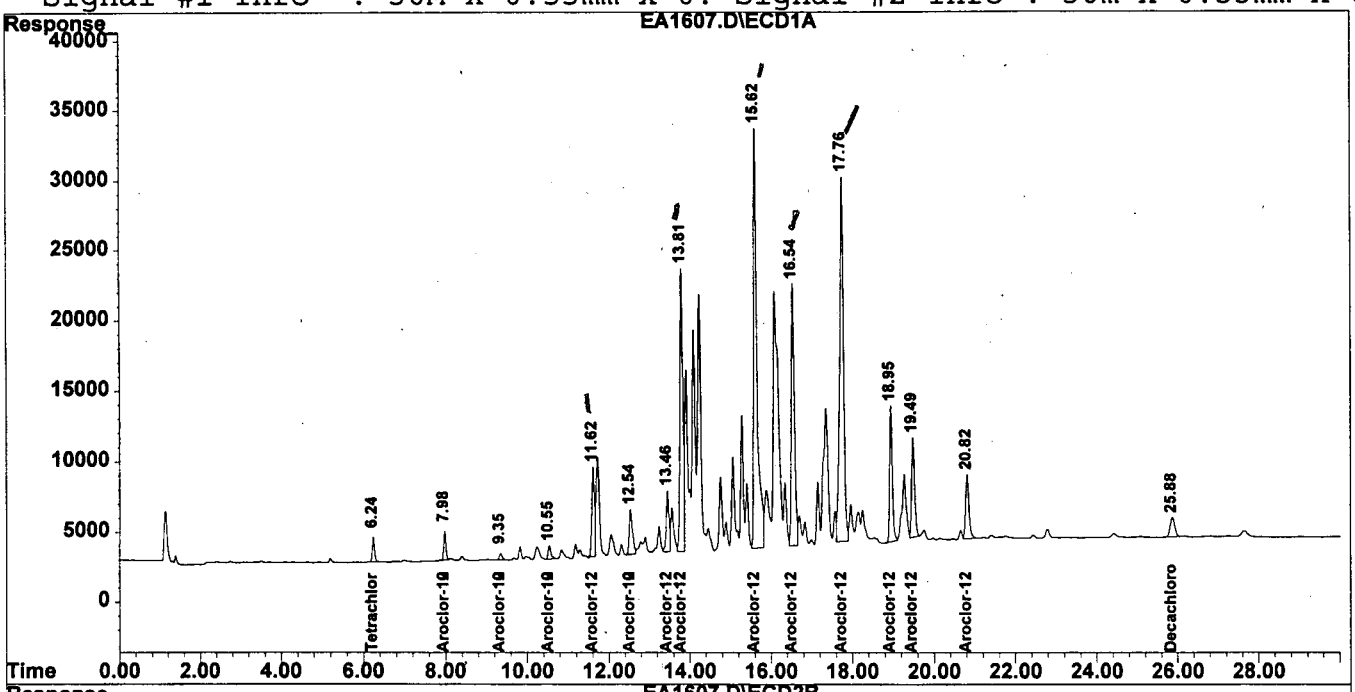
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

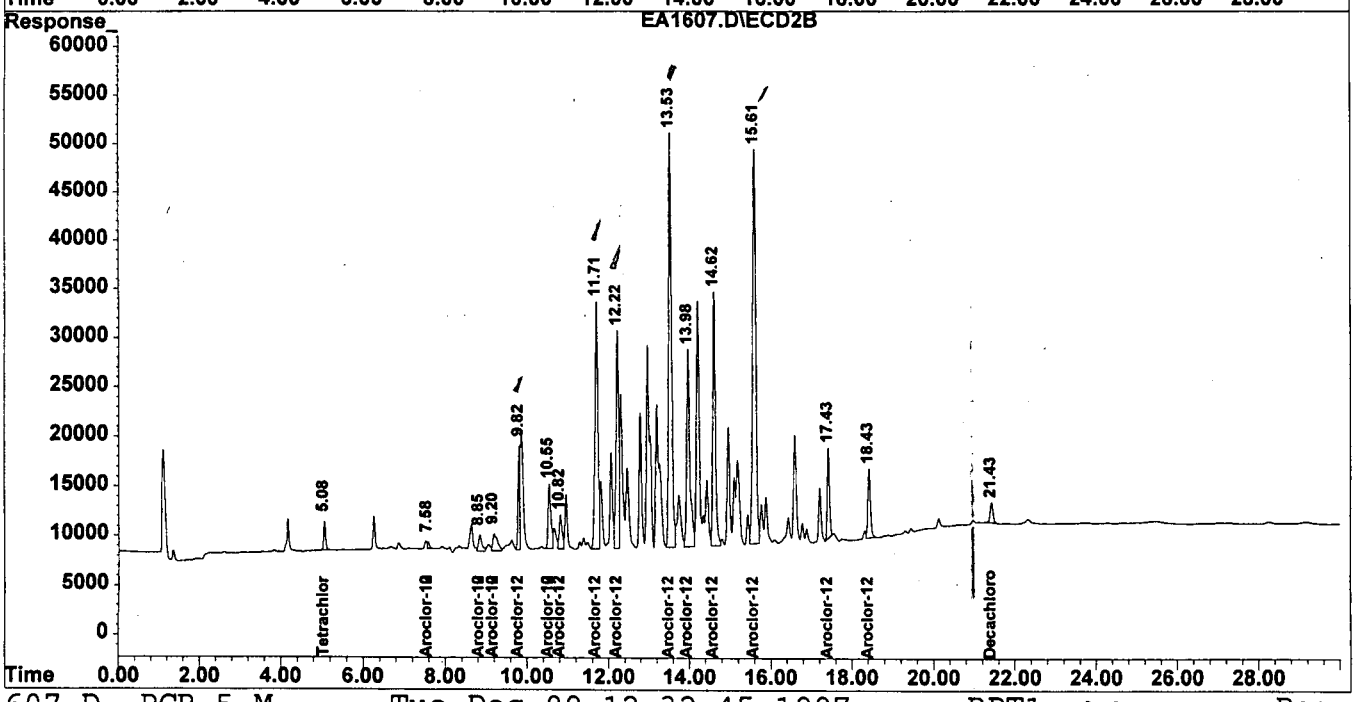
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1607.D\ECD2B.CH
Acq On : 8 Dec 97 17:49 Operator:
Sample : 278130 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 11:58 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





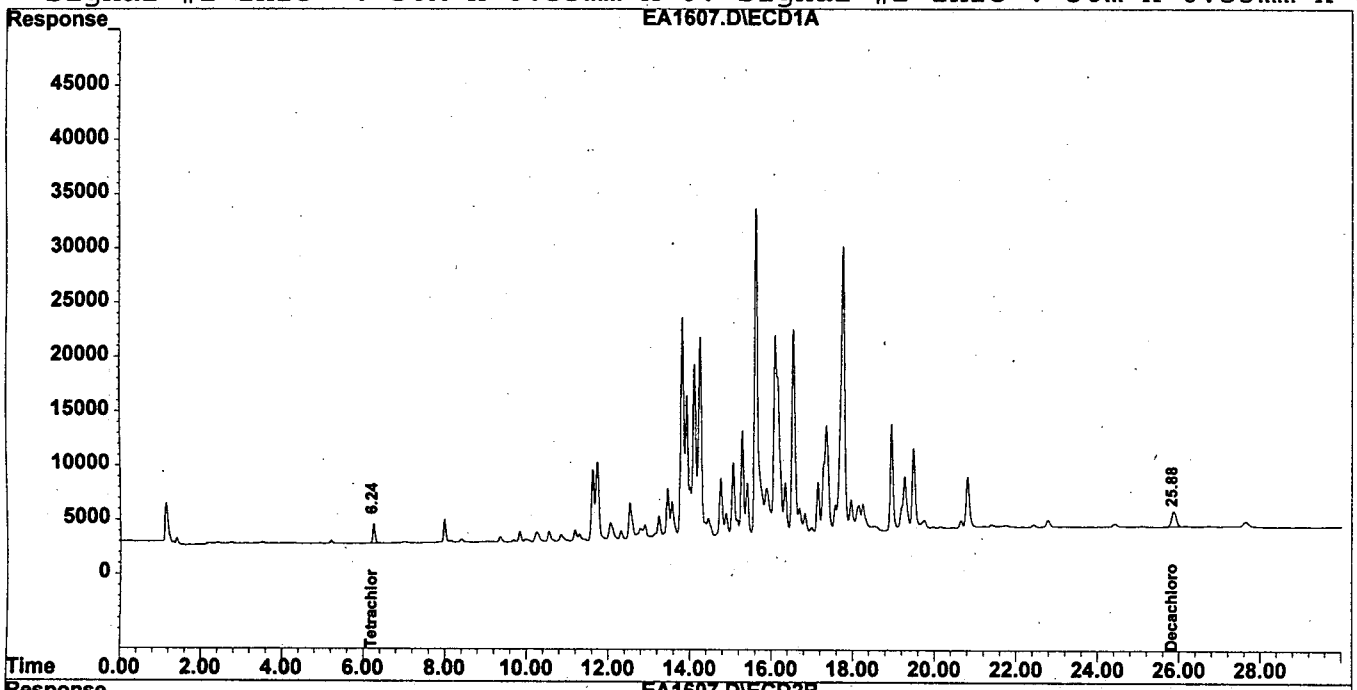
Quantitation Report

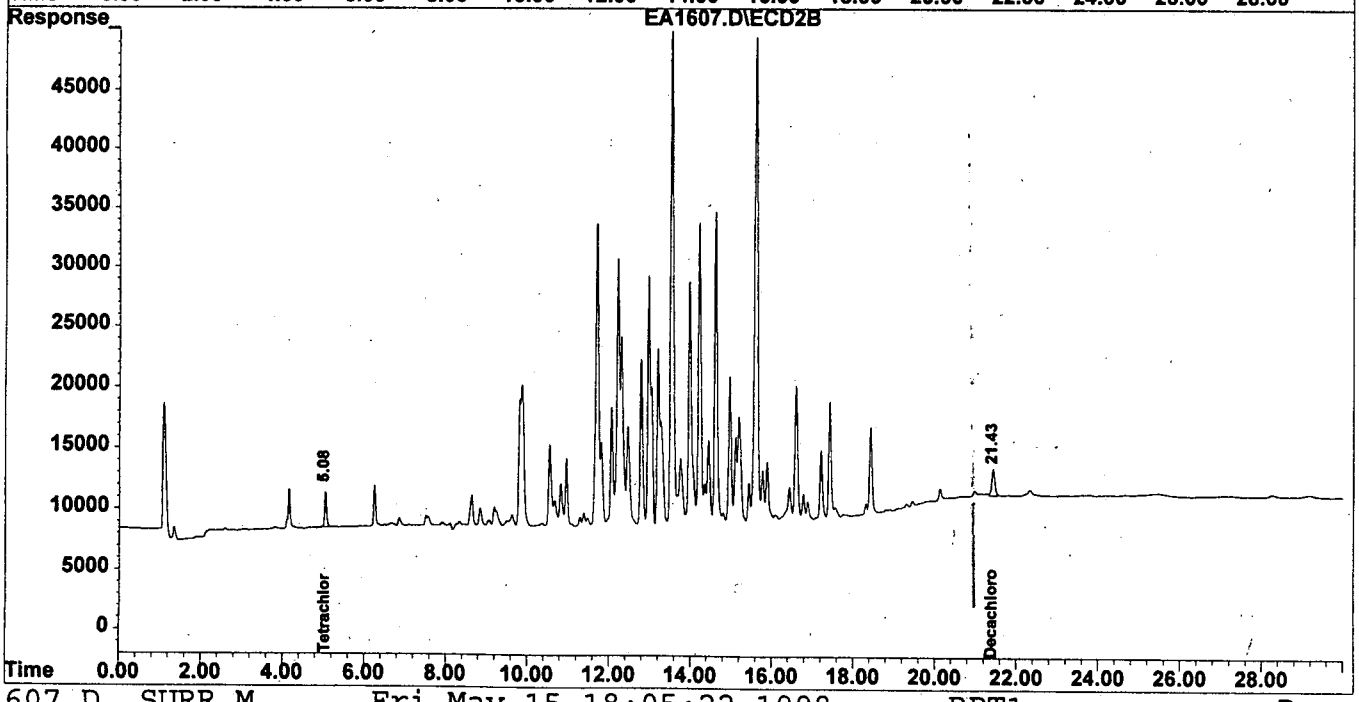
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1607.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDATA\EA1607.D\ECD2B.CH
Acq On : 8 Dec 97 17:49 Operator:
Sample : 278130 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:25 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278131
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	200ml
Dilution Factor:	20	Sample Moisture:	50%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	1300	670
Aroclor-1221	U	U	2700	1900
Aroclor-1232	U	U	1300	1100
Aroclor-1242	U	U	1300	670
Aroclor-1248	U	U	1300	800
Aroclor-1254	~~26000~~ 28000 J	U	1300	930
Aroclor-1260	U	U	1300	1100

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD2B.CH
Acq On : 8 Dec 97 18:59 Operator:
Sample : 278131 1:20 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	34381	47983	2.499	2.413
Spiked Amount 40.000 Range 43 - 150 Recovery =					6.25%#	6.03%#
2) SA Decachlorobiphen	25.84f	21.41	61790	57358	2.656m	2.640
Spiked Amount 40.000 Range 24 - 154 Recovery =					6.64%#	6.60%#
Target Compounds						
4) L1 Aroclor-1016{2}	9.33	7.57	56436	67719	83.242	77.760
5) L1 Aroclor-1016{3}	10.53	8.84	271263	397988	212.420	214.454
6) L1 Aroclor-1016{4}	0.00	9.24	0	431429	N.D.	511.517 #
7) L1 Aroclor-1016{5}	12.59	10.57	424402	635419	650.112	754.260
Sum Aroclor-1016			752101	1532555	945.773	1557.990
Average Aroclor-1016					315.258 NP	389.498 NP
11) L2 Aroclor-1221{4}	0.00	8.84	0	397988	N.D.	2897.665 #
Sum Aroclor-1221			0	397988	N.D.	2897.665
Average Aroclor-1221					0.000	2897.665 NP
13) L3 Aroclor-1232{2}	9.33	7.57	56436	67719	181.729	184.488
14) L3 Aroclor-1232{3}	10.53	8.84	271263	397988	533.387	528.957
15) L3 Aroclor-1232{4}	12.59	9.24	424402	431429	1345.597	1278.835
16) L3 Aroclor-1232{5}	13.44	10.57	567110	635419	2500.044	1666.837 #
Sum Aroclor-1232			1319211	1532555	4560.758	3659.117
Average Aroclor-1232					1140.189 NP	914.779 NP
18) L4 Aroclor-1242{2}	9.33	7.57	56436	67719	104.978	104.362
19) L4 Aroclor-1242{3}	10.53	8.84	271263	397988	279.070	285.340
20) L4 Aroclor-1242{4}	0.00	9.24	0	431429	N.D.	705.056 #
21) L4 Aroclor-1242{5}	12.59	10.57	424402	635419	761.574	960.629 #
Sum Aroclor-1242			752101	1532555	1145.622	2055.387
Average Aroclor-1242					381.874 NP	513.847 NP
22) L5 Aroclor-1248{1}	9.33	7.57	56436	67719	196.291	190.239
23) L5 Aroclor-1248{2}	10.53	8.84	271263	397988	323.371	328.232
24) L5 Aroclor-1248{3}	12.59	10.57	424402	635419	558.027	676.255
25) L5 Aroclor-1248{4}	13.44	10.81	567110	806251	798.424	929.544

12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1609.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDATA\EA1609.D\ECD2B.CH
Acq On : 8 Dec 97 18:59 Operator:
Sample : 278131 1:20 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	34680	48640	2.438	2.246
Spiked Amount 40.000 Range 43 - 150 Recovery =					6.10%#	5.62%#
2) SA Decachlorobiphen	25.85	21.41	63977	68787	2.720	3.015
Spiked Amount 40.000 Range 24 - 154 Recovery =					6.80%#	7.54%#

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 0 5A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD2B.CH
Acq On : 8 Dec 97 18:59 Operator:
Sample : 278131 1:20 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
26)	L5 Aroclor-1248{5}	15.60	13.51	3010861	3454996	9069.914	9761.993	
Sum	Aroclor-1248			4330072	5362373	10946.028	11886.264	
Average	Aroclor-1248					2189.206	2377.253	
27)	L6 Aroclor-1254{1}	11.60	9.81	502670	528154	1343.589	856.857	m#
28)	L6 Aroclor-1254{2}	13.80	11.70	950438	2661934	1601.663	2155.096	#
29)	L6 Aroclor-1254{3}	15.60	12.29	3010861	~~1434450~~	2317.230	~~1451.546~~	#
30)	L6 Aroclor-1254{4}	16.52	13.51	1741539	3454996	2788.516	2467.484	
31)	L6 Aroclor-1254{5}	17.74	15.59	3397311	4003558	2801.006	2914.467	
Sum	Aroclor-1254			9602820	12083092	10852.004	9845.450	
Average	Aroclor-1254					2170.401	~~1969.090~~ 2098.476	
32)	L7 Aroclor-1260{1}	0.00	13.96	0	2075872	N.D.	1892.102	#
33)	L7 Aroclor-1260{2}	16.52	14.60	1741539	2388441	1477.260	1640.513	
34)	L7 Aroclor-1260{3}	18.94	15.59	899149	4003558	1083.783	2109.554	#
35)	L7 Aroclor-1260{4}	19.47	17.42	615423	796586	321.099	357.243	
36)	L7 Aroclor-1260{5}	0.00	18.42	0	546635	N.D.	335.605	#
Sum	Aroclor-1260			3256112	9811091	2882.142	6335.017	
Average	Aroclor-1260					960.714	1267.003	

not the peak chosen for calibration

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12/9/97

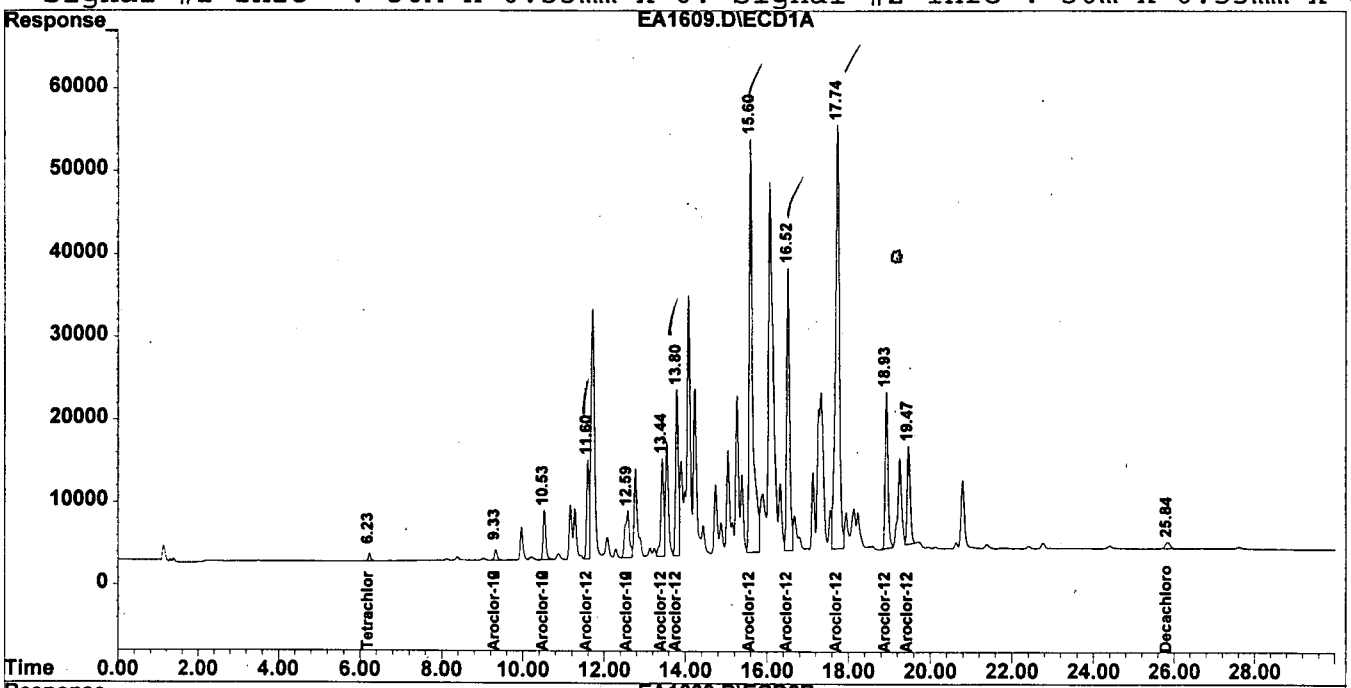
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

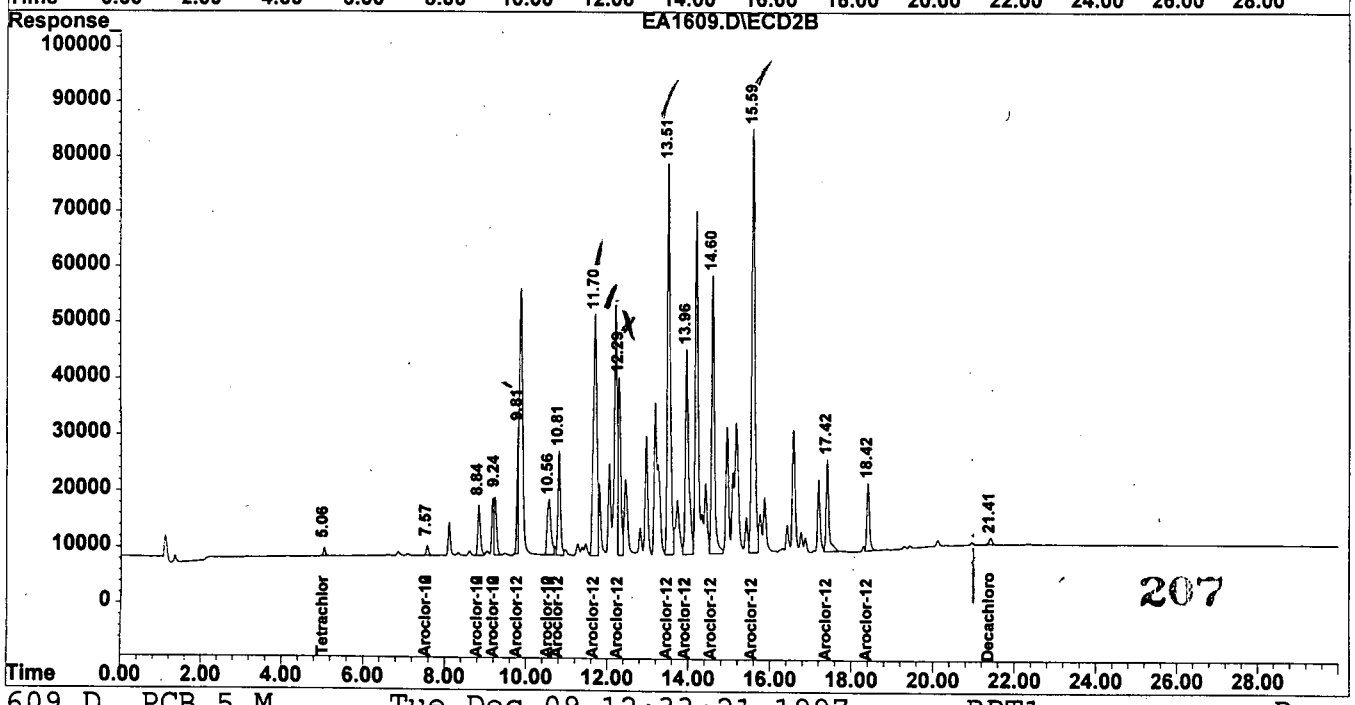
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1609.D\ECD2B.CH
Acq On : 8 Dec 97 18:59 Operator:
Sample : 278131 1:20 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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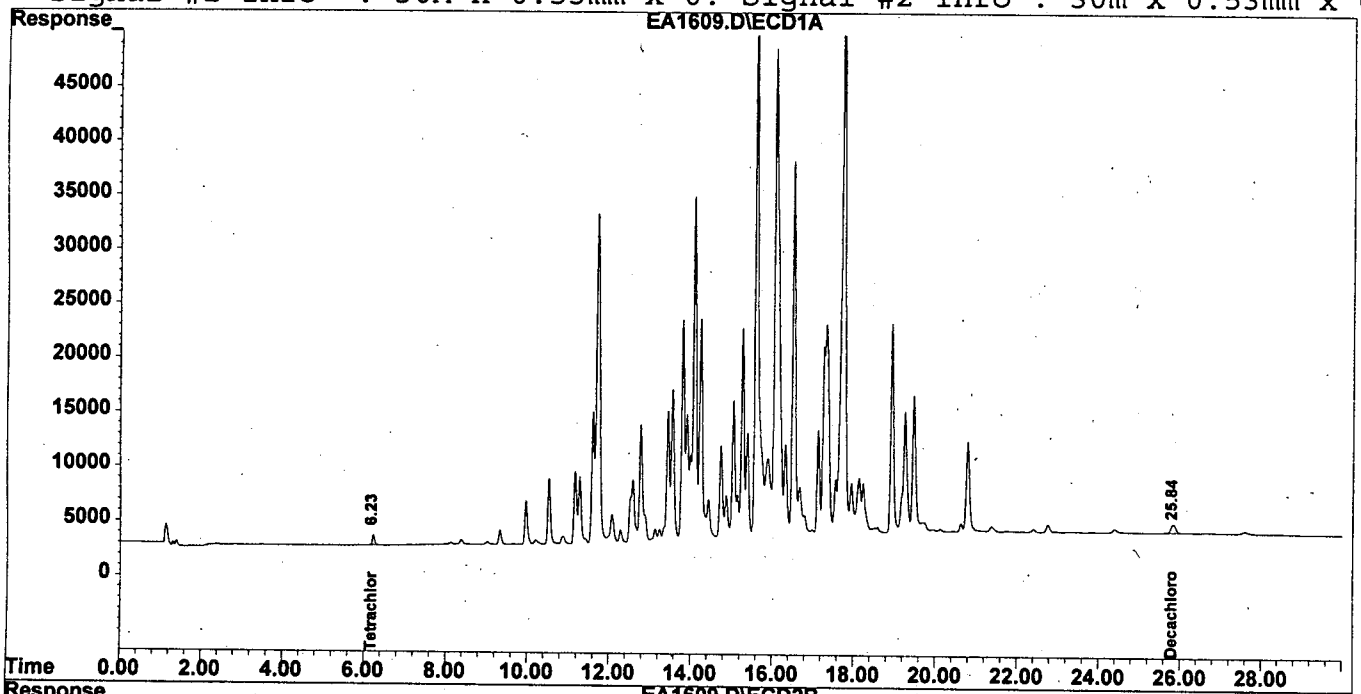
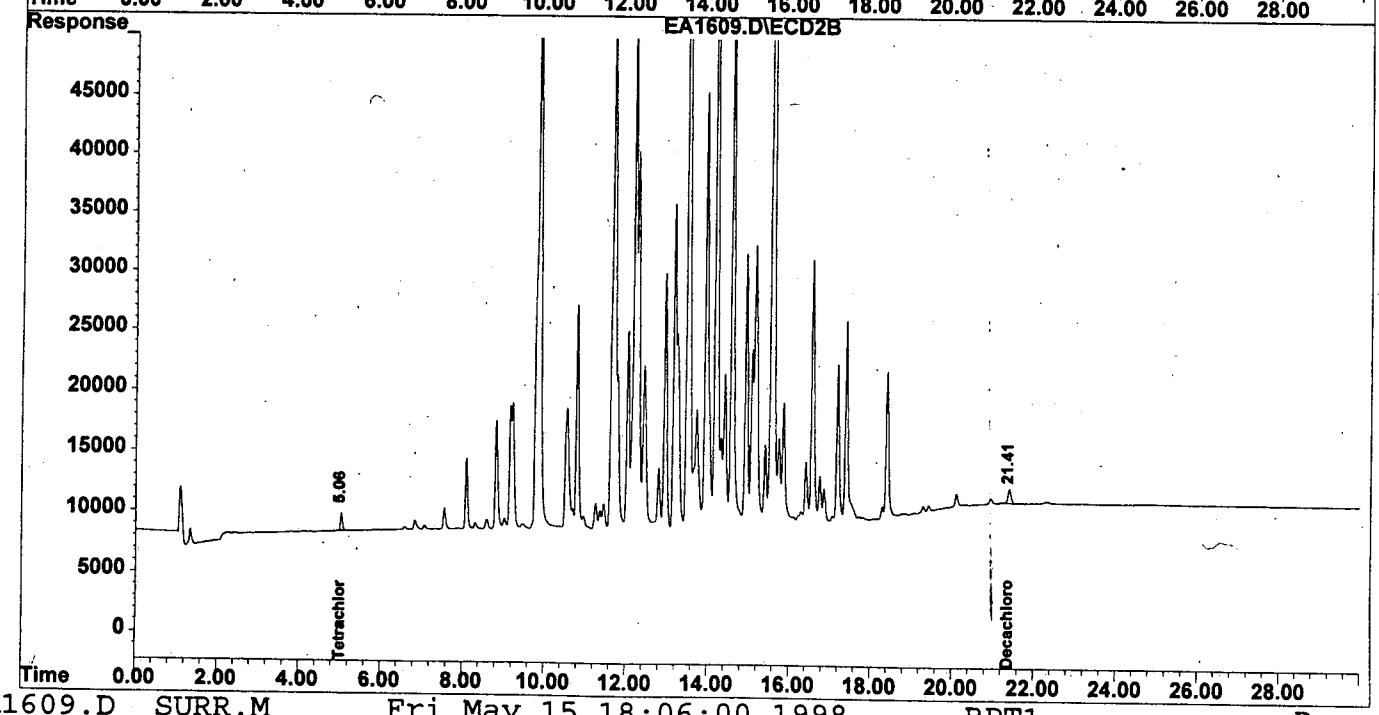
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1609.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDATA\EA1609.D\ECD2B.CH
Acq On : 8 Dec 97 18:59 Operator:
Sample : 278131 1:20 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





207A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278132
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	37.79%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	540	270
Aroclor-1221	U	U	1100	750
Aroclor-1232	U	U	540	430
Aroclor-1242	U	U	540	270
Aroclor-1248	U	U	540	320
Aroclor-1254	8200	U	540	380
Aroclor-1260	U	U	540	430

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD2B.CH
Acq On : 8 Dec 97 19:33 Operator:
Sample : 278132 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:01 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	65680	94578	4.774	4.755
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.94%#	11.89%#
2) SA Decachlorobiphen	25.87	21.43	114887	106004	4.938m	4.878
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.35%#	12.20%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	102375	0	307.616	N.D. #
4) L1 Aroclor-1016{2}	9.35	7.58	22437	30188	33.094	34.664
5) L1 Aroclor-1016{3}	10.55	8.85	56910	70109	44.565	37.778
6) L1 Aroclor-1016{4}	0.00	9.20	0	115873	N.D.	137.383 #
7) L1 Aroclor-1016{5}	12.54	10.55	337241	535799	516.596	636.009
Sum Aroclor-1016			518963	751969	901.871	845.833
Average Aroclor-1016					225.468 NP	211.458 NP
11) L2 Aroclor-1221{4}	7.98	8.85	102375	70109	250.986	510.451 #
Sum Aroclor-1221			102375	70109	250.986	510.451
Average Aroclor-1221					250.986 NP	510.451 NP
12) L3 Aroclor-1232{1}	7.98	0.00	102375	0	353.268	N.D. #
13) L3 Aroclor-1232{2}	9.35	7.58	22437	30188	72.249	82.247
14) L3 Aroclor-1232{3}	10.55	8.85	56910	70109	111.903	93.181
15) L3 Aroclor-1232{4}	12.54	9.20	337241	115873	1069.246	343.468 #
16) L3 Aroclor-1232{5}	13.46	10.55	289083	535799	1274.391	1405.515
Sum Aroclor-1232			808045	751969	2881.057	1924.405
Average Aroclor-1232					576.211 NP	481.101 NP
18) L4 Aroclor-1242{2}	9.35	7.58	22437	30188	41.736	46.522
19) L4 Aroclor-1242{3}	10.55	8.85	56910	70109	58.548	50.265
20) L4 Aroclor-1242{4}	0.00	9.20	0	115873	N.D.	189.363 #
21) L4 Aroclor-1242{5}	12.54	10.55	337241	535799	605.166	810.024 #
Sum Aroclor-1242			416588	751969	705.450	1096.175
Average Aroclor-1242					235.150 NP	274.044 NP
22) L5 Aroclor-1248{1}	9.35	7.58	22437	30188	78.038	84.805
23) L5 Aroclor-1248{2}	10.55	8.85	56910	70109	67.842	57.821

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mw 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDATA\EA1610.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1610.D\ECD2B.CH
Acq On : 8 Dec 97 19:33 Operator:
Sample : 278132 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	66067	99315	4.645	4.587
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.61%#	11.47%#
2) SA Decachlorobiphen	25.87	21.43	111234	109272	4.729	4.790
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.82%#	11.98%#

Target Compounds

7235/8/10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD2B.CH
Acq On : 8 Dec 97 19:33 Operator:
Sample : 278132 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:01 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
24) L5	Aroclor-1248{3}	12.54	10.55	337241	535799	443.423	570.233 #
25) L5	Aroclor-1248{4}	13.46	10.82	289083	229454	406.995	264.543 #
26) L5	Aroclor-1248{5}	15.62	13.53	2295453	2867377	6914.821	8101.692
Sum	Aroclor-1248			3001124	3732928	7911.119	9079.094
Average	Aroclor-1248					1582.224 nf	1815.819 nf
27) L6	Aroclor-1254{1}	11.62	9.82	449345	562140	1201.055	911.995m
28) L6	Aroclor-1254{2}	13.81	11.71	1265423	1699017	2132.469	1375.521 #
29) L6	Aroclor-1254{3}	15.62	12.22	2295453	1269352	1766.635	1284.480 #
30) L6	Aroclor-1254{4}	16.54	13.53	1207617	2867377	1933.612	2047.819
31) L6	Aroclor-1254{5}	17.76	15.60	2180247	2841672	1797.565	2068.649
Sum	Aroclor-1254			7398085	9239558	8831.335	7688.464
Average	Aroclor-1254					1766.267	1537.693
32) L7	Aroclor-1260{1}	0.00	13.98	0	1440266	N.D.	1312.765 #
33) L7	Aroclor-1260{2}	16.54	14.61	1207617	1448169	1024.361	994.682
34) L7	Aroclor-1260{3}	18.95	15.60	560541	2841672	675.644	1497.333 #
35) L7	Aroclor-1260{4}	19.49	17.43	430627	515230	224.681	231.064
36) L7	Aroclor-1260{5}	20.81	18.43	327026	398760	209.279	244.817
Sum	Aroclor-1260			2525811	6644096	2133.965	4280.661
Average	Aroclor-1260					533.491 nf	856.132 nf

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12/8/97

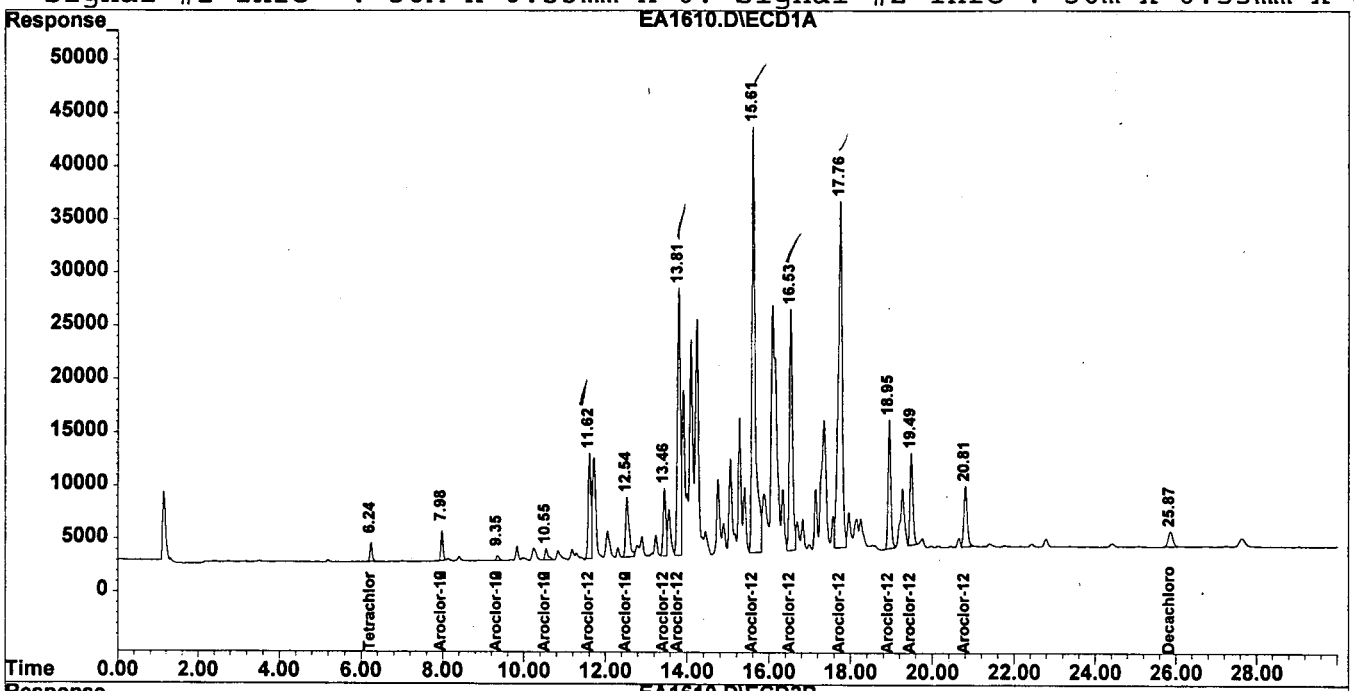
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

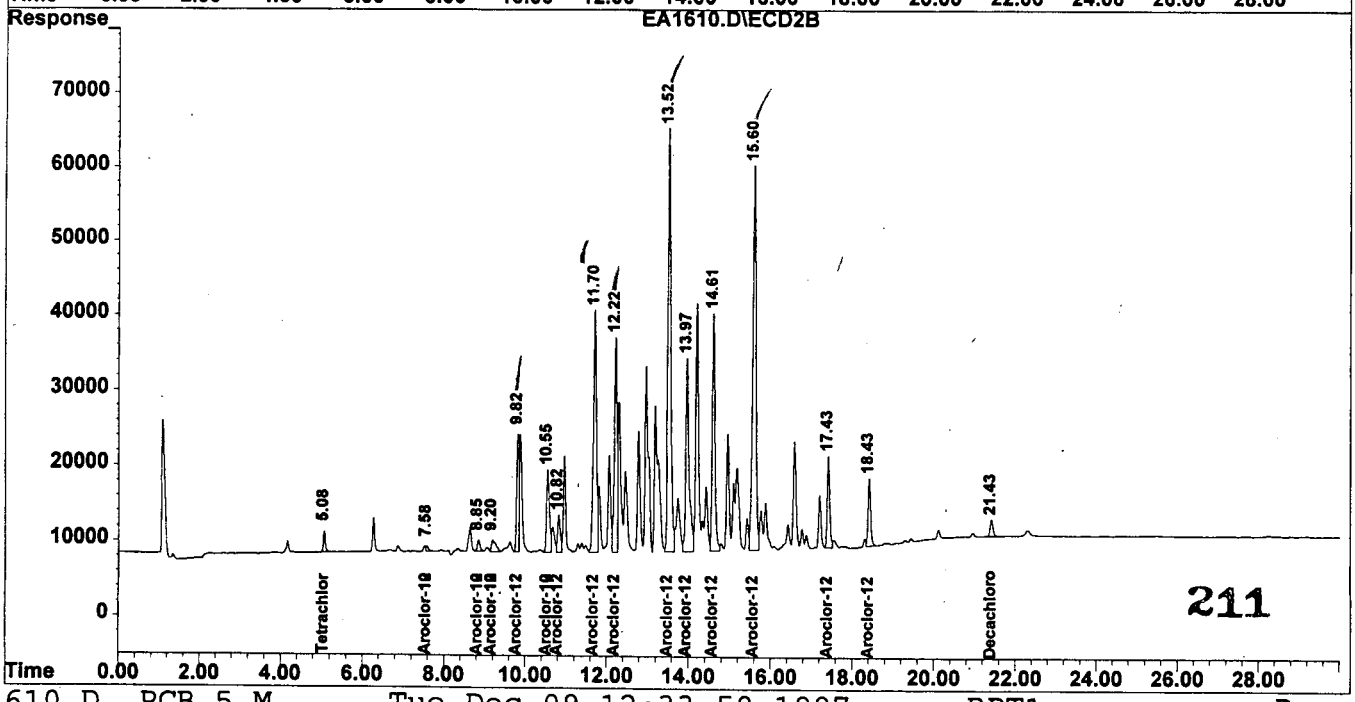
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1610.D\ECD2B.CH
Acq On : 8 Dec 97 19:33 Operator:
Sample : 278132 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:01 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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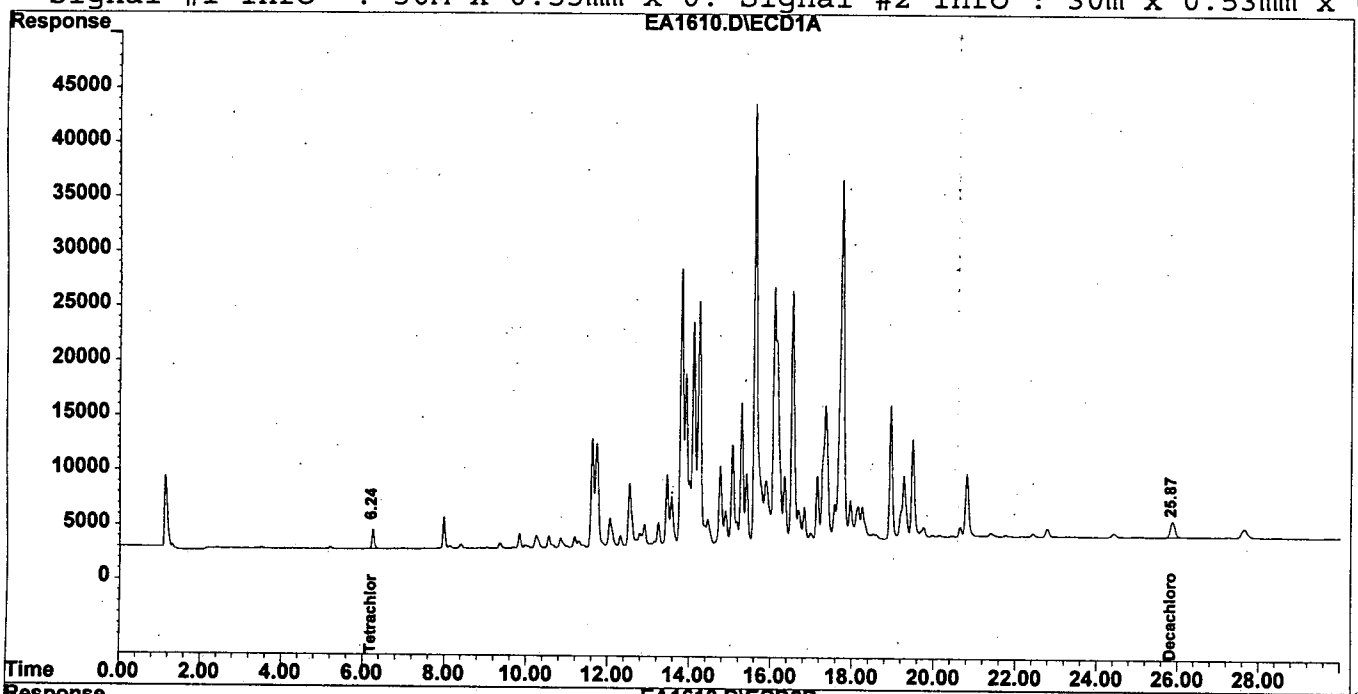
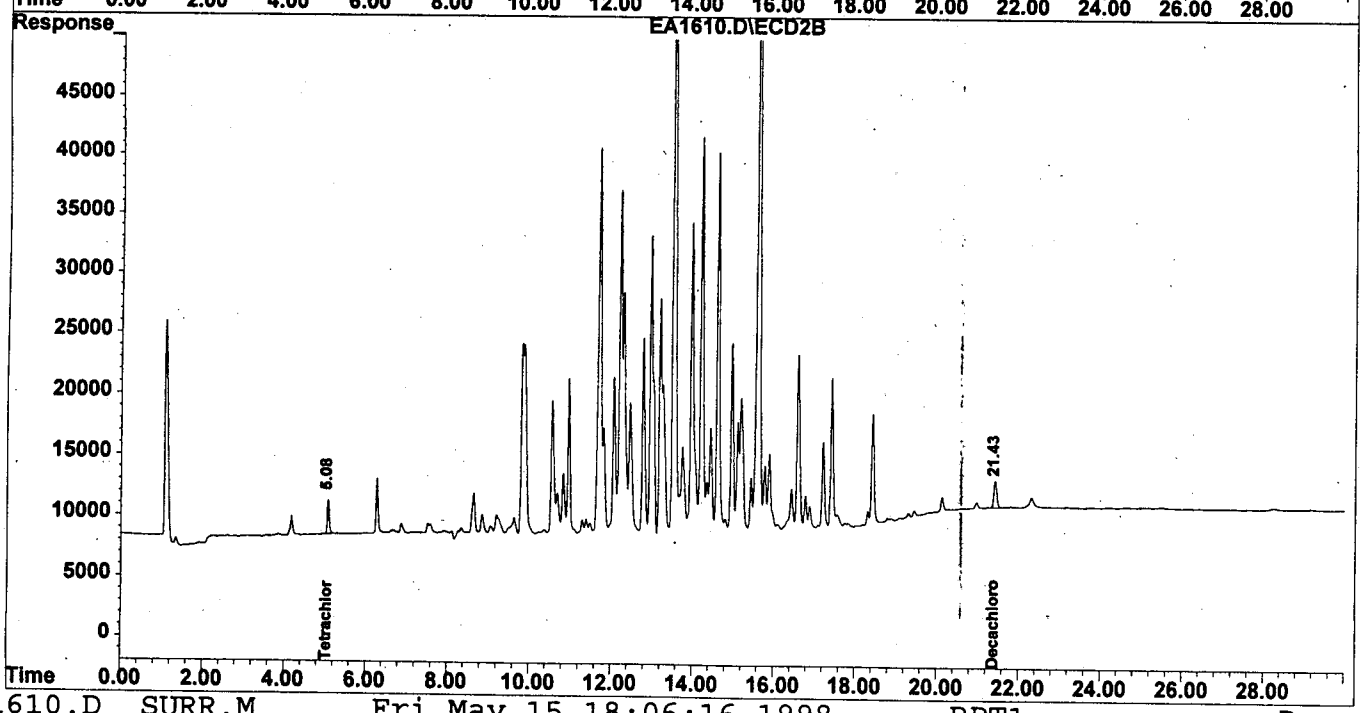
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1610.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1610.D\ECD2B.CH
Acq On : 8 Dec 97 19:33 Operator:
Sample : 278132 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





211A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278133
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	28.91%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	470	230
Aroclor-1221	U	U	940	660
Aroclor-1232	U	U	470	380
Aroclor-1242	U	U	470	230
Aroclor-1248	U	U	470	280
Aroclor-1254	6800	U	470	330
Aroclor-1260	U	U	470	380

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD2B.CH
Acq On : 8 Dec 97 20:07 Operator:
Sample : 278133 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.07	64645	89792	4.699	4.515m
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.75%#	11.29%#
2) SA Decachlorobiphen	25.87	21.42	116642	105344	5.013m	4.848
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.53%#	12.12%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.98	0.00	52623	0	158.123	N.D. #
4) L1 Aroclor-1016{2}	9.35	0.00	28202	0	41.597	N.D. #
5) L1 Aroclor-1016{3}	10.54	8.85	75364	114632	59.016	61.769
6) L1 Aroclor-1016{4}	0.00	9.20	0	127883	N.D.	151.622 #
7) L1 Aroclor-1016{5}	12.54	10.55	172171	308887	263.737	366.657 #
Sum Aroclor-1016			328361	551401	522.473	580.048
Average Aroclor-1016					130.618 NP	193.349 NP
8) L2 Aroclor-1221{1}	5.19	0.00	15489	0	119.456	N.D. #
11) L2 Aroclor-1221{4}	7.98	8.85	52623	114632	129.013	834.608 #
Sum Aroclor-1221			68112	114632	248.469	834.608
Average Aroclor-1221					124.235 NP	834.608 NP
13) L3 Aroclor-1232{2}	9.35	0.00	28202	0	90.814	N.D. #
14) L3 Aroclor-1232{3}	10.54	8.85	75364	114632	148.189	152.354
15) L3 Aroclor-1232{4}	12.54	9.20	172171	127883	545.881	379.068 #
16) L3 Aroclor-1232{5}	13.46	10.55	196015	308887	864.110	810.275
Sum Aroclor-1232			471752	551401	1648.993	1341.698
Average Aroclor-1232					412.248 NP	447.233 NP
18) L4 Aroclor-1242{2}	9.35	0.00	28202	0	52.460	N.D. #
19) L4 Aroclor-1242{3}	10.54	8.85	75364	114632	77.533	82.186
20) L4 Aroclor-1242{4}	0.00	9.20	0	127883	N.D.	208.990 #
21) L4 Aroclor-1242{5}	12.54	10.55	172171	308887	308.955	466.977 #
Sum Aroclor-1242			275737	551401	438.948	758.153
Average Aroclor-1242					146.316 NP	252.718 NP
22) L5 Aroclor-1248{1}	9.35	0.00	28202	0	98.090	N.D. #
23) L5 Aroclor-1248{2}	10.54	8.85	75364	114632	89.841	94.540

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Amd 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1611.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDATA\EA1611.D\ECD2B.CH
Acq On : 8 Dec 97 20:07 Operator:
Sample : 278133 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	67296	111577	4.731	5.153
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.83%#	12.88%#
2) SA Decachlorobiphen	25.87	21.42	109894	106959	4.672	4.688
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.68%#	11.72%#
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD2B.CH
Acq On : 8 Dec 97 20:07 Operator:
Sample : 278133 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
24) L5	Aroclor-1248{3}	12.54	10.55	172171	308887	226.380	328.738 #
25) L5	Aroclor-1248{4}	13.46	10.82	196015	163120	275.966	188.065 #
26) L5	Aroclor-1248{5}	15.61	13.53	2218133	2685534	6681.900	7587.900
Sum	Aroclor-1248			2689885	3272172	7372.177	8199.243
Average	Aroclor-1248					1474.435 wp	2049.811 wp
27) L6	Aroclor-1254{1}	11.61	9.83	263574	253454	704.508	411.194m#
28) L6	Aroclor-1254{2}	13.81	11.70	1096397	1481839	1847.629	1199.693 #
29) L6	Aroclor-1254{3}	15.61	12.22	2218133	1381883	1707.127	1398.352
30) L6	Aroclor-1254{4}	16.53	13.53	1422355	2685534	2277.445	1917.951
31) L6	Aroclor-1254{5}	17.75	15.60	2576544	3186292	2124.302	2319.522
Sum	Aroclor-1254			7577002	8989001	8661.010	7246.713
Average	Aroclor-1254					1732.202	1449.343
32) L7	Aroclor-1260{1}	16.15	13.97	1049124	1534027	1079.883	1398.225 #
33) L7	Aroclor-1260{2}	16.53	14.61	1422355	1682287	1206.512	1155.487
34) L7	Aroclor-1260{3}	18.95	15.60	696402	3186292	839.403	1678.920 #
35) L7	Aroclor-1260{4}	19.49	17.43	585122	624702	305.290	280.159
36) L7	Aroclor-1260{5}	20.81	18.43	398604	483887	255.084	297.080
Sum	Aroclor-1260			4151607	7511193	3686.172	4809.871
Average	Aroclor-1260					737.234 wp	961.974 wp

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ave 12/9/97

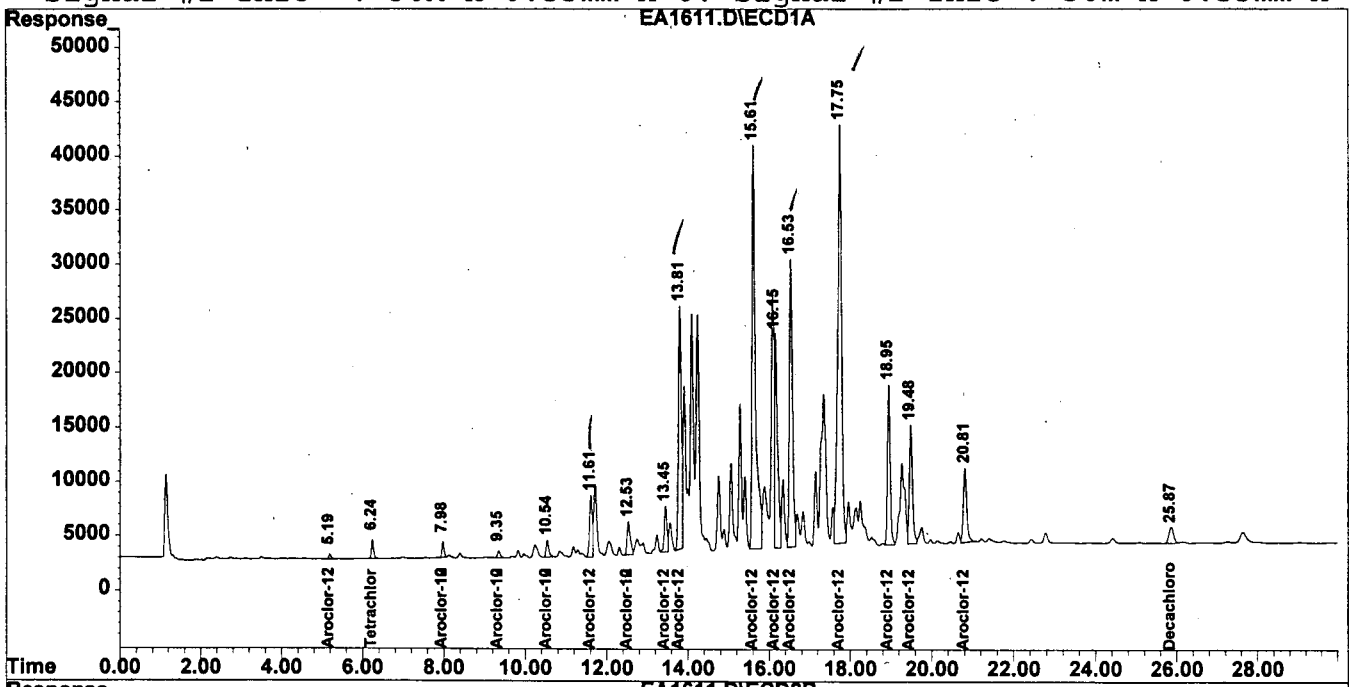
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

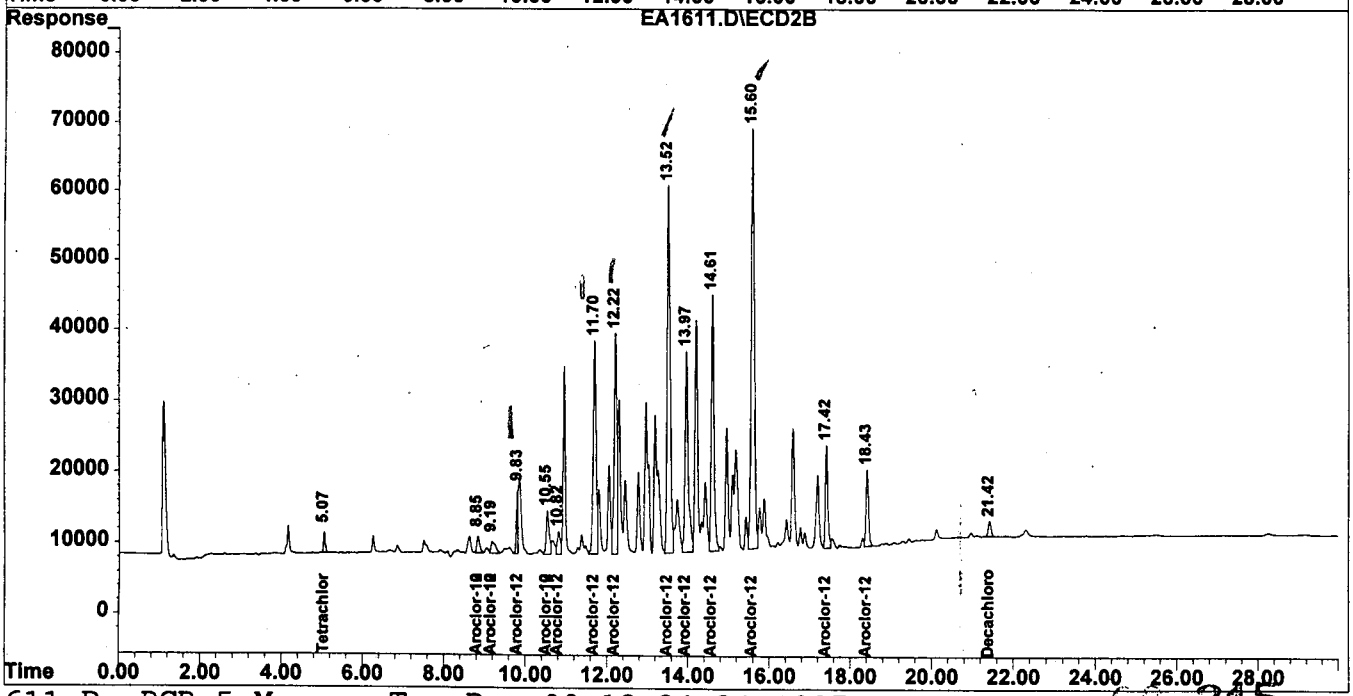
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1611.D\ECD2B.CH
Acq On : 8 Dec 97 20:07 Operator:
Sample : 278133 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



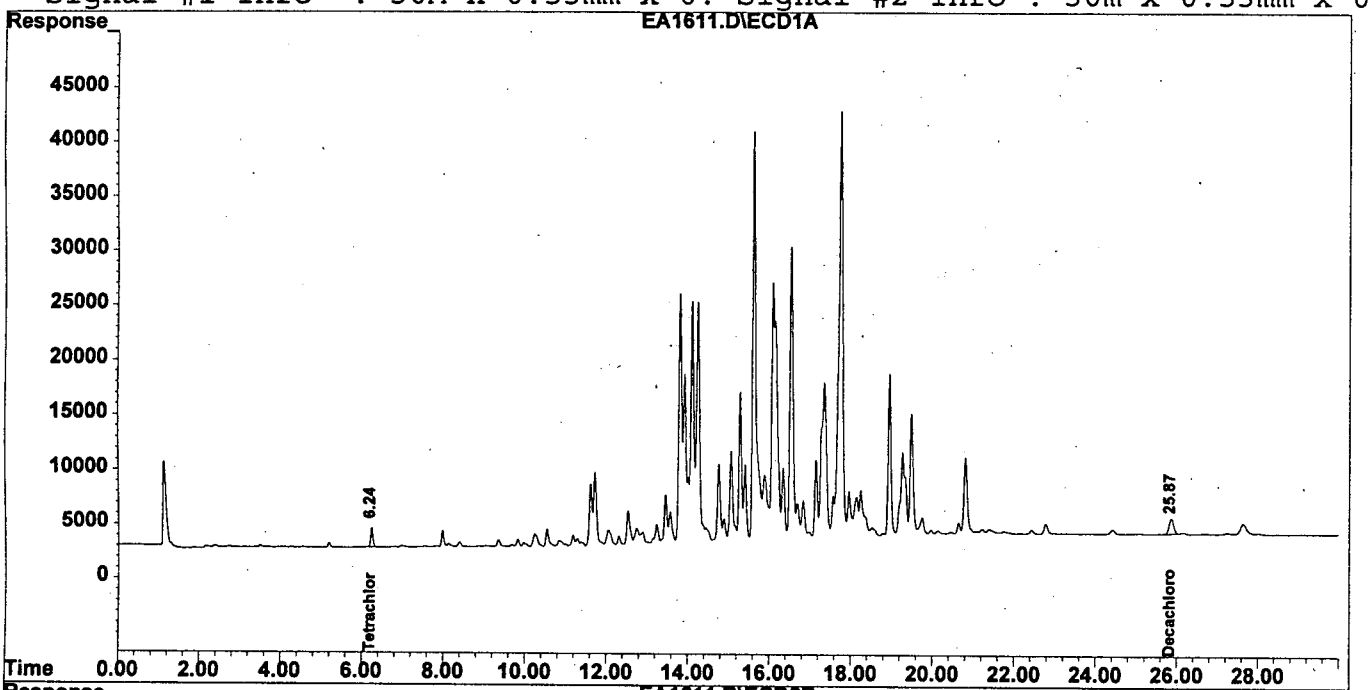


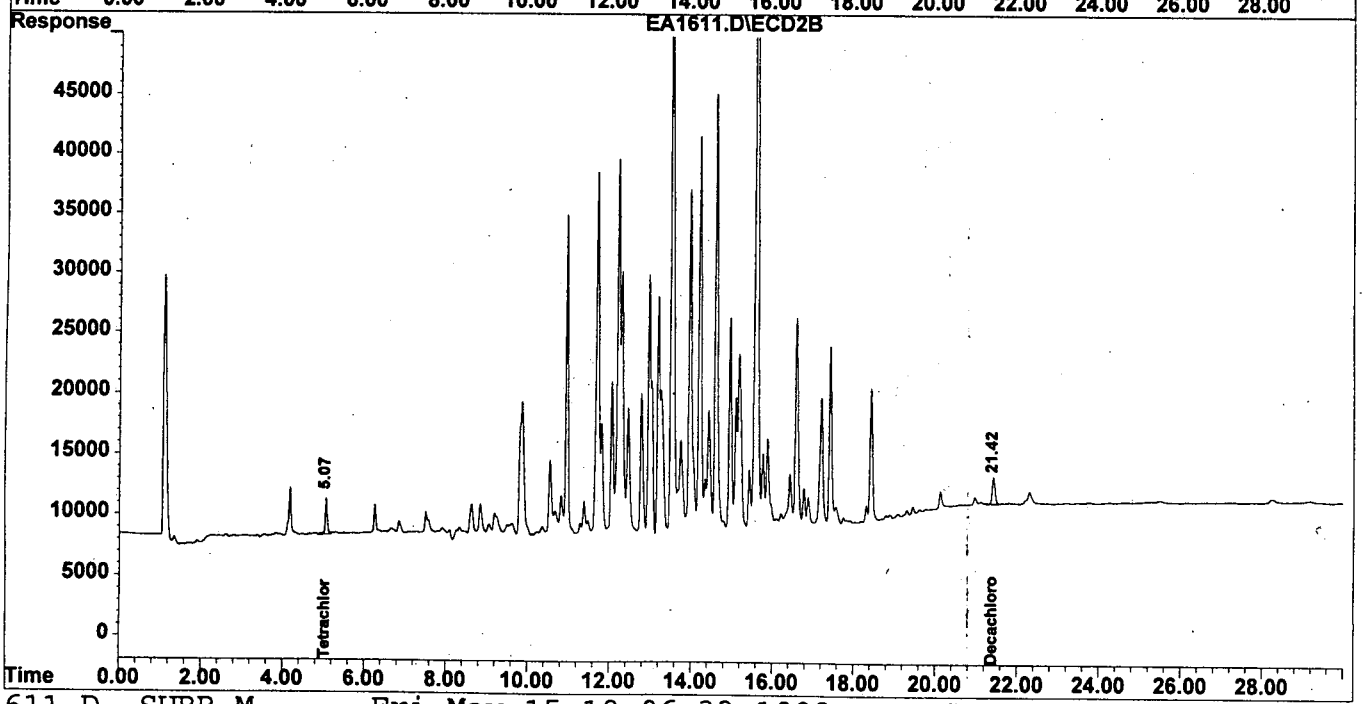
Quantitation Report AMENDED REPORT MAY

Signal #1 : E:\WESTDATA\EA1611.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDATA\EA1611.D\ECD2B.CH
Acq On : 8 Dec 97 20:07 Operator:
Sample : 278133 1:10 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278134
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	23.95%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	44	22
Aroclor-1221	U	U	88	61
Aroclor-1232	U	U	44	35
Aroclor-1242	U	U	44	22
Aroclor-1248	U	U	44	26
Aroclor-1254	96	U	44	31
Aroclor-1260	U	U	44	35

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD2B.CH
Acq On : 8 Dec 97 9:27 Operator:
Sample : 278134 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:48 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	546538	771099	39.726	38.771m
Spiked Amount 40.000 Range 43 - 150 Recovery =					99.32%	96.93%
2) SA Decachlorobiphen	25.91	21.45	962761	1008725	41.379m	46.421m
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.45%	116.05%
Target Compounds						
3) L1 Aroclor-1016{1}	8.00	0.00	46722	0	140.392	N.D. #
5) L1 Aroclor-1016{3}	10.60	8.90	23281	145316	18.231	78.303 #
7) L1 Aroclor-1016{5}	0.00	10.61	0	169926	N.D.	201.707 #
Sum Aroclor-1016			70004	315242	158.623	280.010
Average Aroclor-1016					79.312 np	140.005 np
8) L2 Aroclor-1221{1}	5.25	5.94	23166	29353	178.661	107.490 #
9) L2 Aroclor-1221{2}	0.00	6.39	0	73858	N.D.	426.567 #
11) L2 Aroclor-1221{4}	8.00	8.90	46722	145316	114.546	1058.016 #
Sum Aroclor-1221			69888	248527	293.208	1592.072
Average Aroclor-1221					146.604 np	530.691 np
12) L3 Aroclor-1232{1}	8.00	0.00	46722	0	161.227	N.D. #
14) L3 Aroclor-1232{3}	10.60	8.90	23281	145316	45.779	193.137 #
16) L3 Aroclor-1232{5}	13.47	10.61	420869	169926	1855.357	445.752 #
Sum Aroclor-1232			490873	315242	2062.362	638.888
Average Aroclor-1232					687.454 np	319.444 np
17) L4 Aroclor-1242{1}	8.00	0.00	46722	0	179.275	N.D. #
19) L4 Aroclor-1242{3}	10.60	8.90	23281	145316	23.952	104.185 #
21) L4 Aroclor-1242{5}	0.00	10.61	0	169926	N.D.	256.895 #
Sum Aroclor-1242			70004	315242	203.226	361.080
Average Aroclor-1242					101.613 np	180.540 np
23) L5 Aroclor-1248{2}	10.60	8.90	23281	145316	27.754	119.846 #
24) L5 Aroclor-1248{3}	0.00	10.61	0	169926	N.D.	180.846 #
25) L5 Aroclor-1248{4}	13.47	0.00	420869	0	592.534	N.D. #
26) L5 Aroclor-1248{5}	15.64	13.55	302581	389862	911.495	1101.545
Sum Aroclor-1248			746732	705105	1531.783	1402.238
Average Aroclor-1248					510.594 np	467.413 np

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1594.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDATA\EA1594.D\ECD2B.CH
Acq On : 8 Dec 97 9:27 Operator:
Sample : 278134 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:21 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	552175	902281	38.822	41.671
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.06%	104.18%
2) SA Decachlorobiphen	25.92	21.45	961914	960538	40.898	42.103m
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.25%	105.26%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD2B.CH
Acq On : 8 Dec 97 9:27 Operator:
Sample : 278134 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:48 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
27) L6	Aroclor-1254{1}	11.62	9.90	29106	107986	77.798m	175.192	#
28) L6	Aroclor-1254{2}	13.83	11.73	74440	144822	125.445m	117.248	
29) L6	Aroclor-1254{3}	15.64	12.24	302581	133341	232.873	134.930	#
30) L6	Aroclor-1254{4}	16.55	13.55	242461	389862	388.224	278.431	#
31) L6	Aroclor-1254{5}	17.77	15.62	324190	552774	267.287	402.402m	#
Sum	Aroclor-1254			972778	1328786	1091.627	1108.204	
Average	Aroclor-1254					218.325	221.641	
32) L7	Aroclor-1260{1}	16.17	13.99	188271	294628	193.791	268.546	#
33) L7	Aroclor-1260{2}	16.55	14.63	242461	374703	205.668	257.367	#
34) L7	Aroclor-1260{3}	18.97	15.62	151055	835565	182.073	440.275	#
35) L7	Aroclor-1260{4}	19.50	17.45	230836	277207	120.440	124.319	
36) L7	Aroclor-1260{5}	20.85	18.45	167966	227635	107.489	139.755	#
Sum	Aroclor-1260			980589	2009738	809.460	1230.262	
Average	Aroclor-1260					161.892 NP	246.052 NP	

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12/8/97

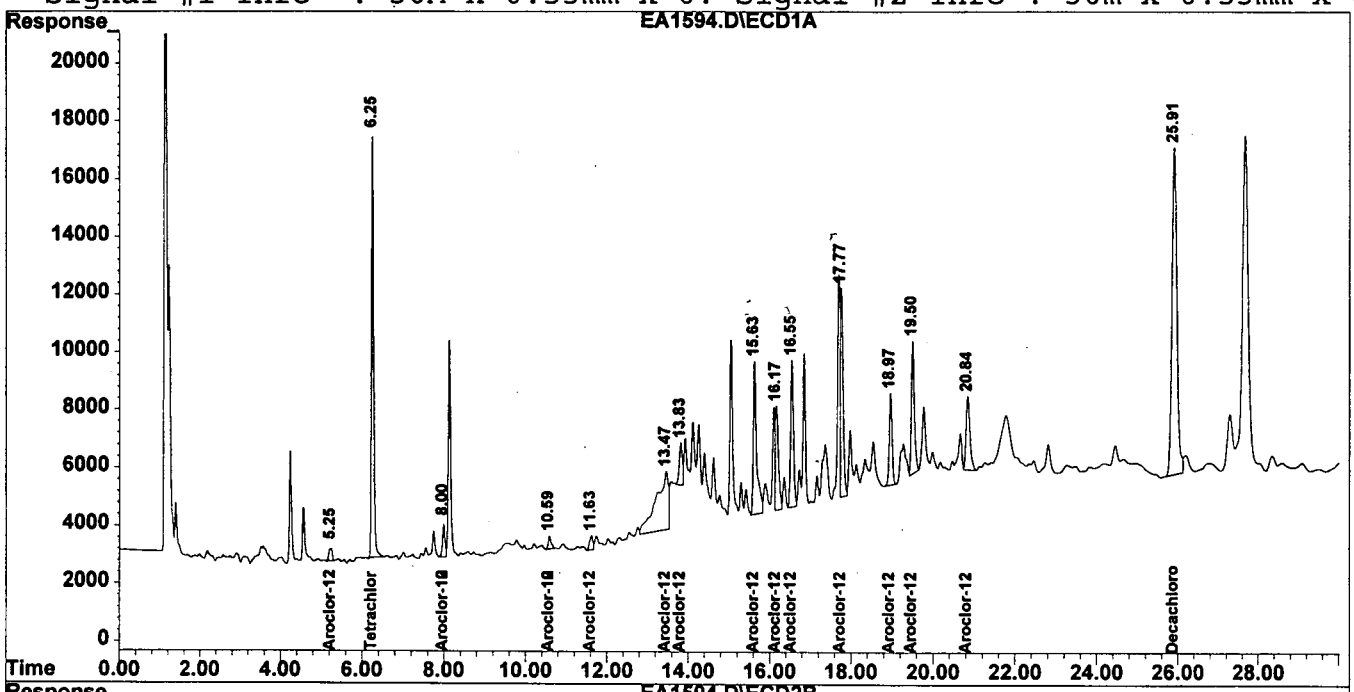
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

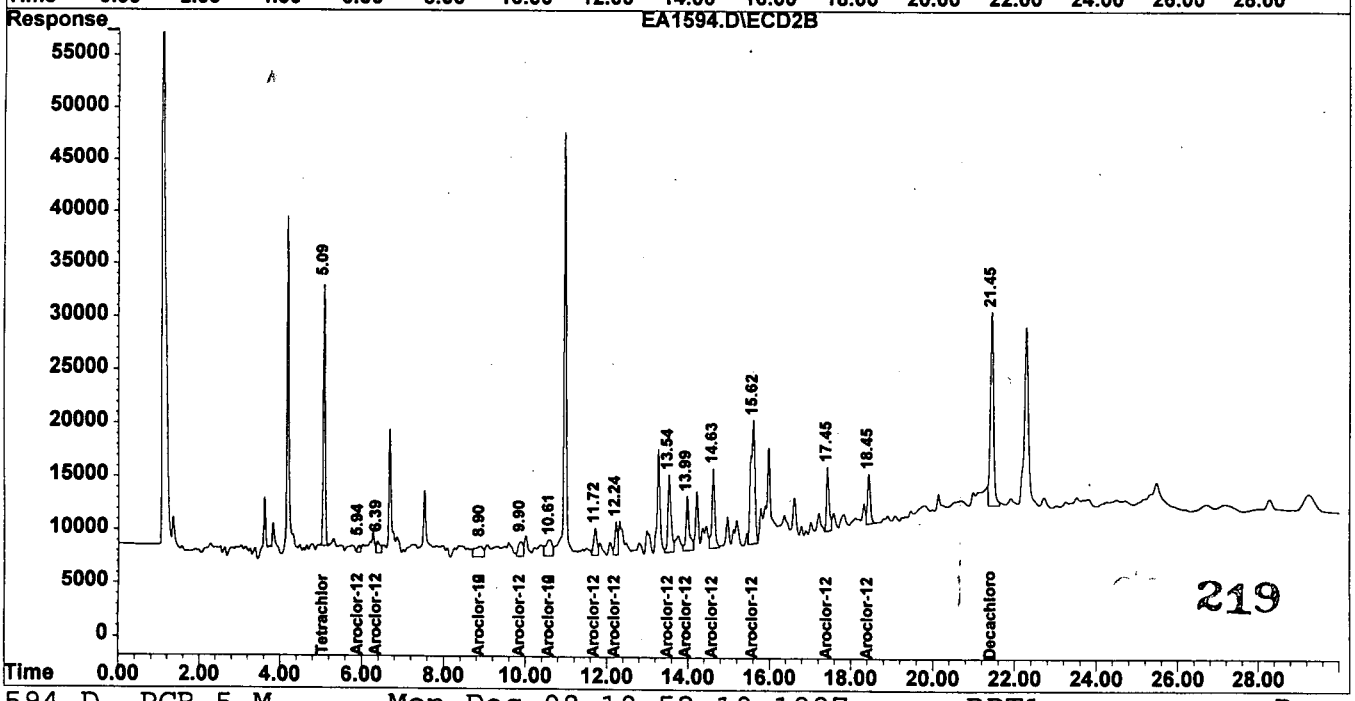
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_E\EA1594.D\ECD2B.CH
Acq On : 8 Dec 97 9:27 Operator:
Sample : 278134 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:48 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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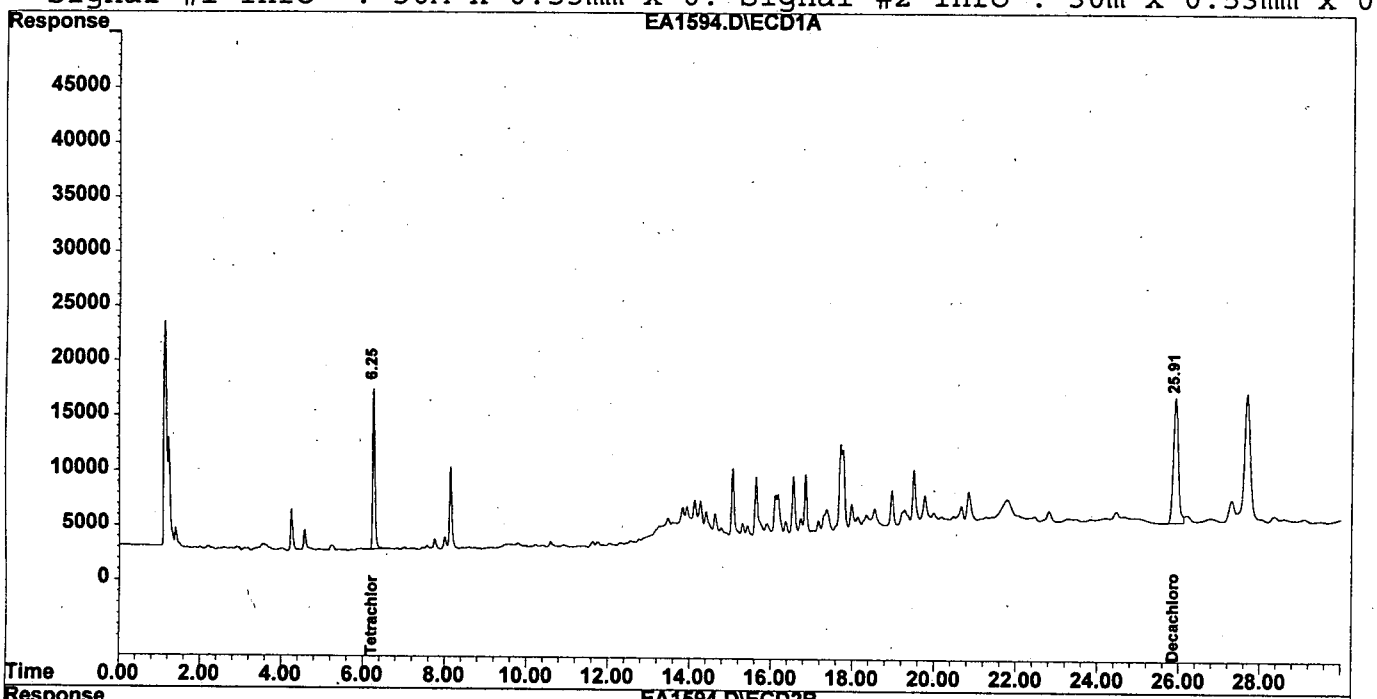
Quantitation Report

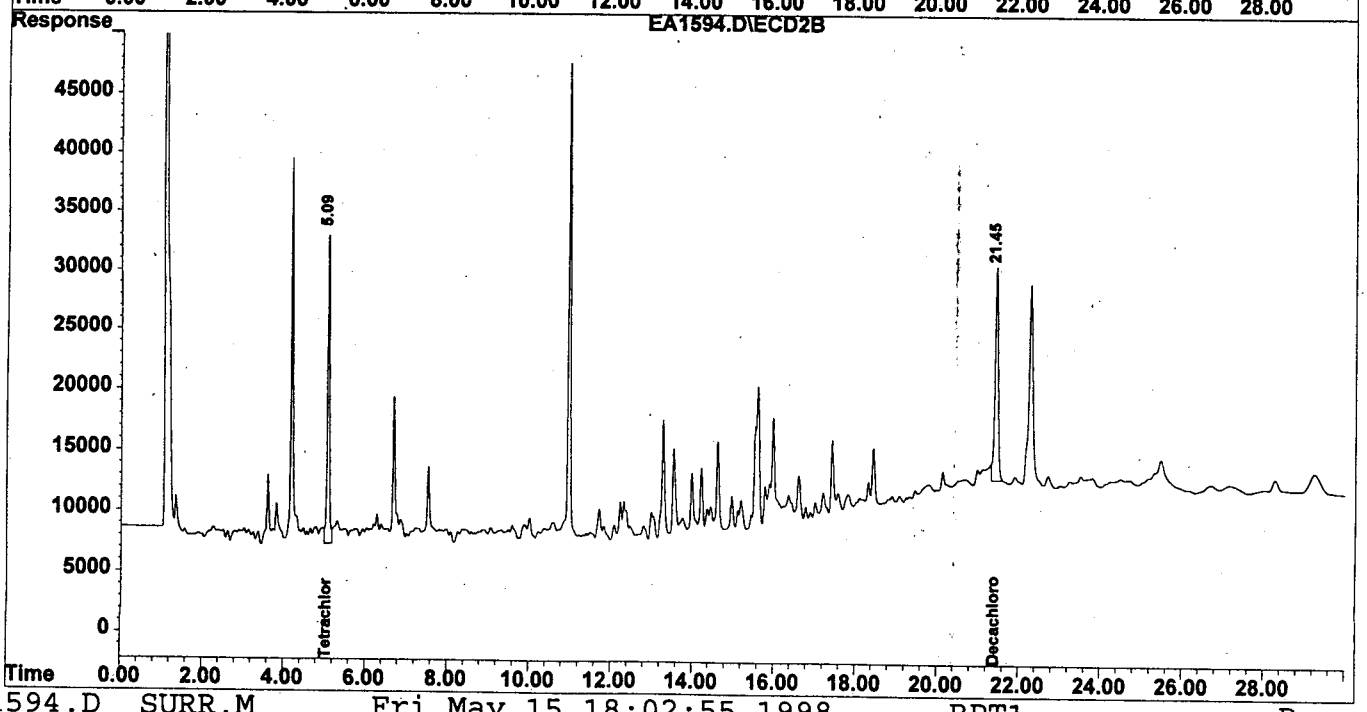
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1594.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDATA\EA1594.D\ECD2B.CH
Acq On : 8 Dec 97 9:27 Operator:
Sample : 278134 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:21 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





219A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278135
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	18.6%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	20
Aroclor-1221	U	U	82	57
Aroclor-1232	U	U	41	33
Aroclor-1242	U	U	41	20
Aroclor-1248	U	U	41	24
Aroclor-1254	120	U	41	29
Aroclor-1260	U	U	41	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD2B.CH
Acq On : 8 Dec 97 10:01 Operator:
Sample : 278135 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	568754	870963	41.341	43.793
Spiked Amount 40.000 Range 43 - 150 Recovery =					103.35%	109.48%
2) SA Decachlorobiphen	25.91	21.45	1089242	1154145	46.815m	53.114m
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.04%	132.79%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	19027	0	57.173	N.D. #
5) L1 Aroclor-1016{3}	0.00	8.90	0	19636	N.D.	10.581 #
7) L1 Aroclor-1016{5}	0.00	10.62	0	40289	N.D.	47.824 #
Sum Aroclor-1016			19027	59925	57.173	58.405
Average Aroclor-1016					57.173 NP	29.202 NP
9) L2 Aroclor-1221{2}	0.00	6.39	0	33278	N.D.	192.199 #
11) L2 Aroclor-1221{4}	7.99	8.90	19027	19636	46.648	142.964 #
Sum Aroclor-1221			19027	52914	46.648	335.164
Average Aroclor-1221					46.648 NP	167.582 NP
12) L3 Aroclor-1232{1}	7.99	0.00	19027	0	65.658	N.D. #
14) L3 Aroclor-1232{3}	0.00	8.90	0	19636	N.D.	26.098 #
16) L3 Aroclor-1232{5}	13.47	10.62	42339	40289	186.648	105.686 #
Sum Aroclor-1232			61366	59925	252.306	131.784
Average Aroclor-1232					126.153 NP	65.892 NP
17) L4 Aroclor-1242{1}	7.99	0.00	19027	0	73.008	N.D. #
19) L4 Aroclor-1242{3}	0.00	8.90	0	19636	N.D.	14.078 #
21) L4 Aroclor-1242{5}	0.00	10.62	0	40289	N.D.	60.909 #
Sum Aroclor-1242			19027	59925	73.008	74.987
Average Aroclor-1242					73.008 NP	37.493 NP
23) L5 Aroclor-1248{2}	0.00	8.90	0	19636	N.D.	16.194 #
24) L5 Aroclor-1248{3}	0.00	10.62	0	40289	N.D.	42.878 #
25) L5 Aroclor-1248{4}	13.47	10.84	42339	20499	59.609	23.633 #
26) L5 Aroclor-1248{5}	15.63	13.54	381013	540927	1147.763	1528.374 #
Sum Aroclor-1248			423352	621350	1207.372	1611.080
Average Aroclor-1248					603.686 NP	402.770 NP

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MW 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1595.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDATA\EA1595.D\ECD2B.CH
Acq On : 8 Dec 97 10:01 Operator:
Sample : 278135 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:22 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	572805	891122	40.273	41.156
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.68%	102.89%
2) SA Decachlorobiphen	25.91	21.45	1194718	1129205	50.796	49.497m
Spiked Amount 40.000 Range 24 - 154 Recovery =					126.99%	123.74%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD2B.CH
Acq On : 8 Dec 97 10:01 Operator:
Sample : 278135 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
27) L6	Aroclor-1254{1}	11.63	9.84	30696	79009	82.047	128.182	#
28) L6	Aroclor-1254{2}	13.83	11.72	119847	190954	201.965	154.596	
29) L6	Aroclor-1254{3}	15.63	12.24	381013	254136	293.237	257.165	
30) L6	Aroclor-1254{4}	16.55	13.54	345630	540927	553.416	386.318	#
31) L6	Aroclor-1254{5}	17.77	15.62	537324	731909	443.012	532.807	
Sum	Aroclor-1254			1414511	1796935	1573.676	1459.068	
Average	Aroclor-1254					314.735	291.814	
32) L7	Aroclor-1260{1}	16.17	13.99	251804	390750	259.187	356.158	#
33) L7	Aroclor-1260{2}	16.55	14.63	345630	503516	293.181	345.842	
34) L7	Aroclor-1260{3}	18.97	15.62	119056	731909	143.503	385.657	#
35) L7	Aroclor-1260{4}	19.51	17.45	147961	101293	77.199	45.427	#
36) L7	Aroclor-1260{5}	20.83	18.45	66988	101675	42.869	62.423	#
Sum	Aroclor-1260			931440	1829143	815.939	1195.508	
Average	Aroclor-1260					163.188 NP	239.102 NP	

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12/8/97

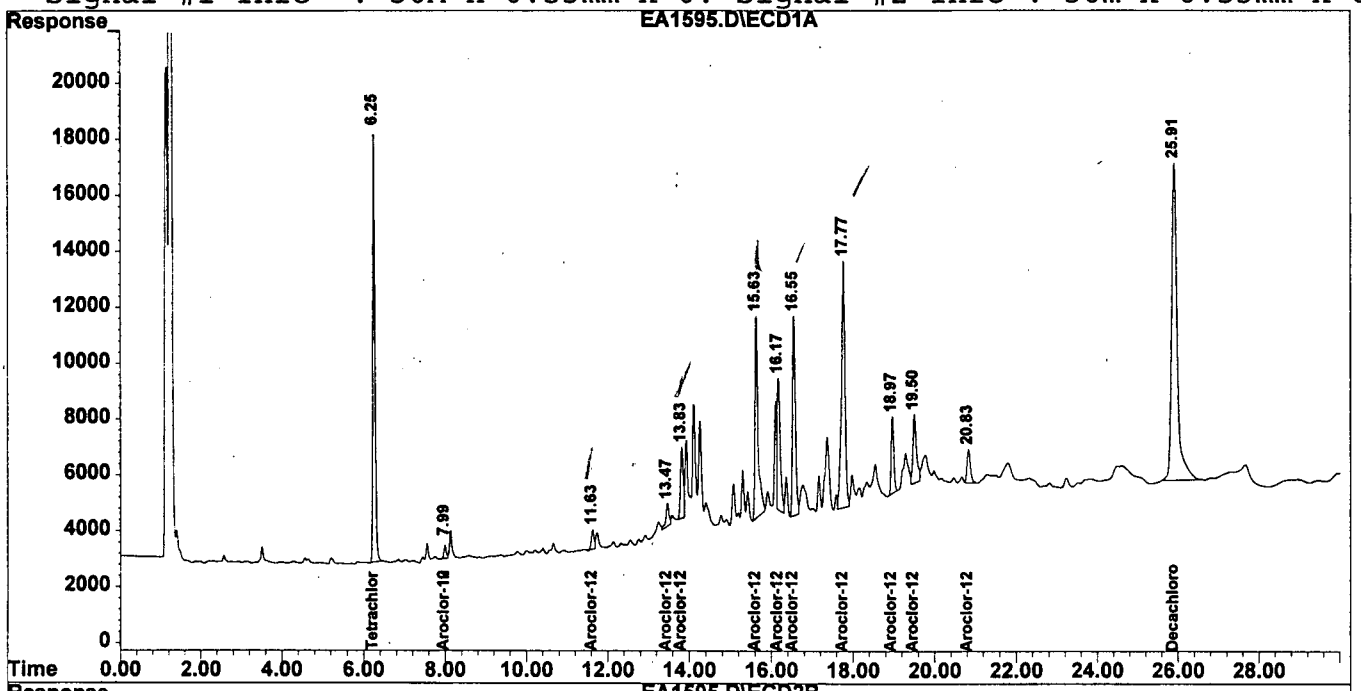
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

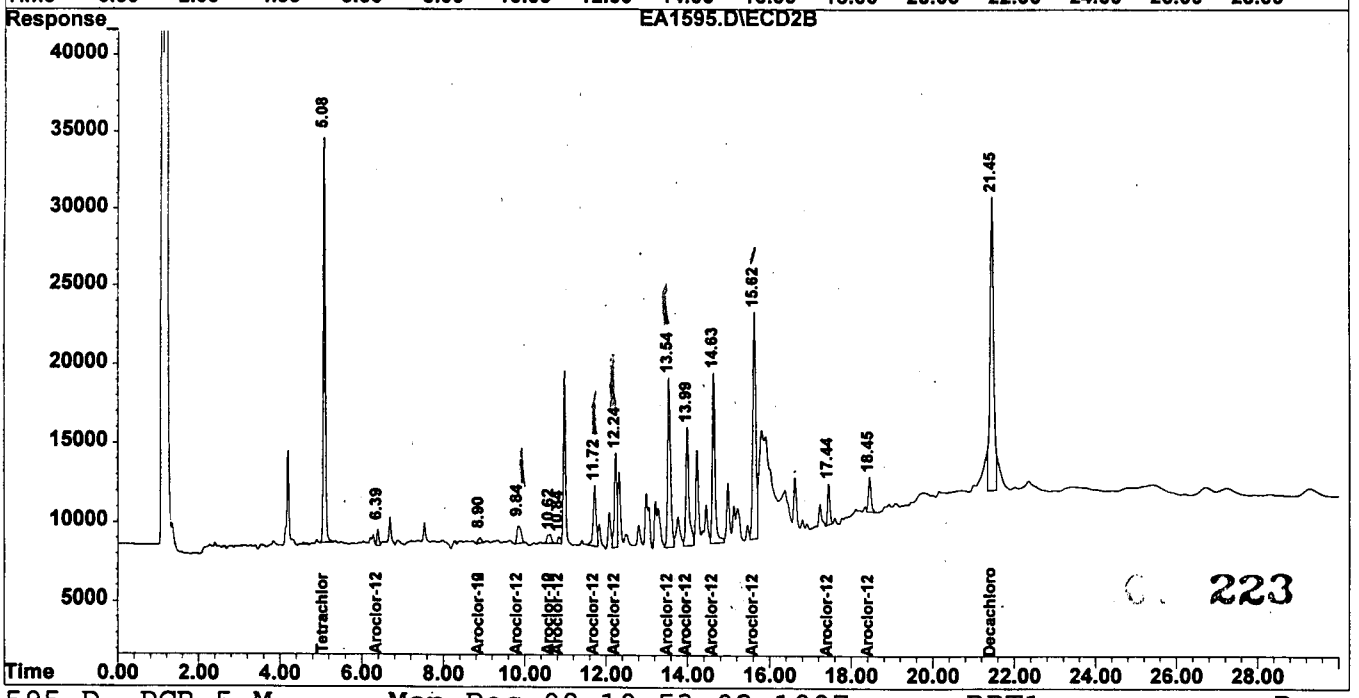
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1595.D\ECD2B.CH
Acq On : 8 Dec 97 10:01 Operator:
Sample : 278135 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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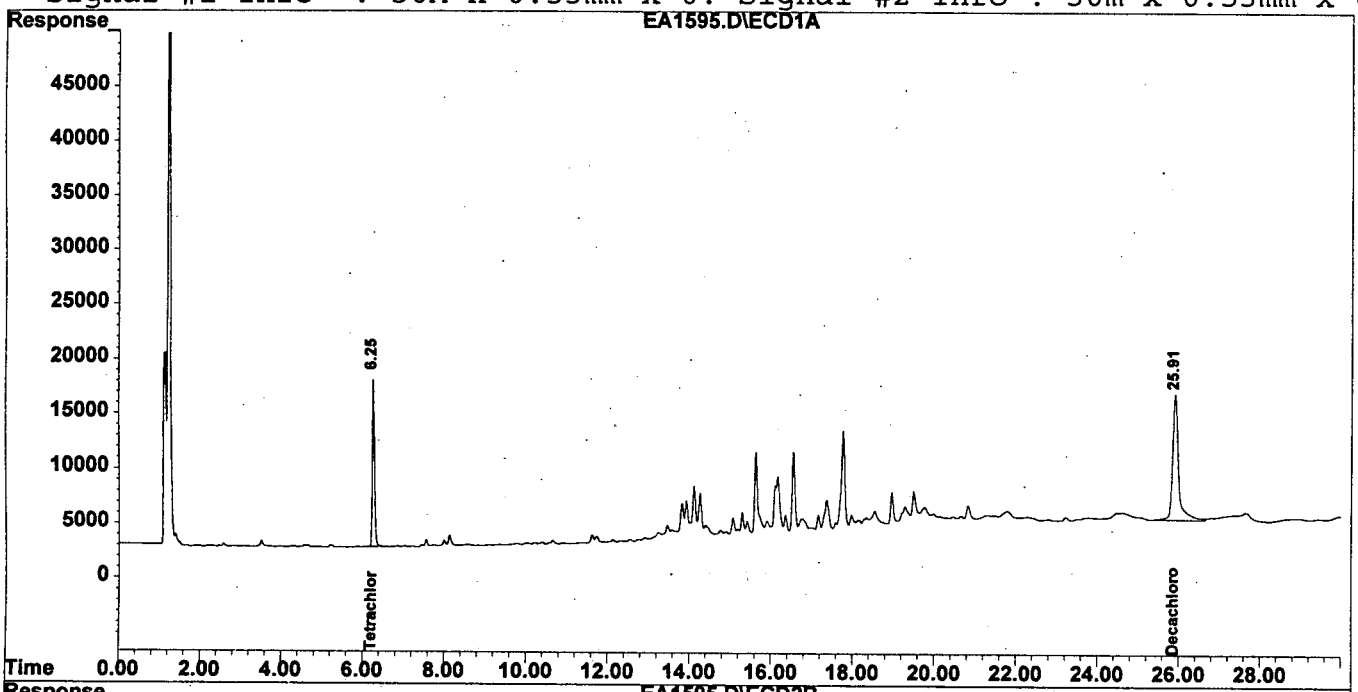
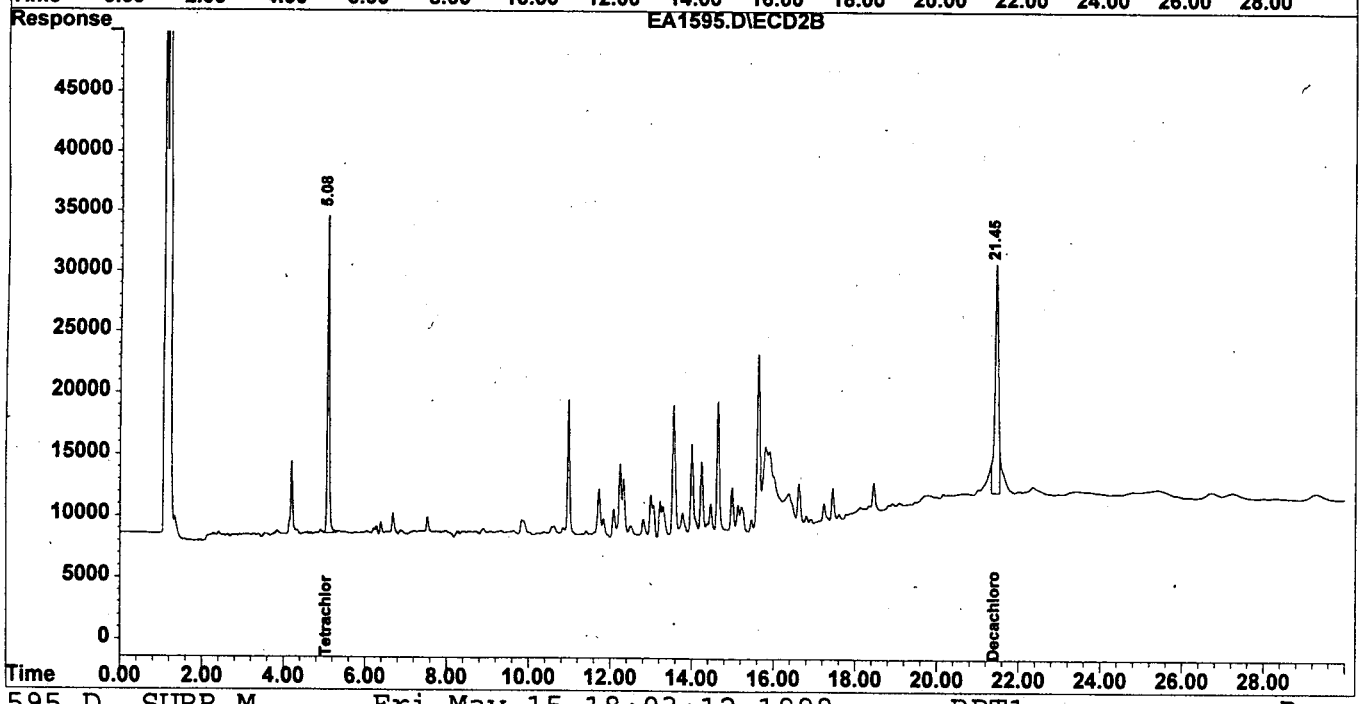
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1595.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDATA\EA1595.D\ECD2B.CH
Acq On : 8 Dec 97 10:01 Operator:
Sample : 278135 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:22 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278136
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	26.9%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	46	23
Aroclor-1221	U	U	91	64
Aroclor-1232	U	U	46	36
Aroclor-1242	U	U	46	23
Aroclor-1248	U	U	46	27
Aroclor-1254	310	U	46	32
Aroclor-1260	U	U	46	36

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD2B.CH
Acq On : 8 Dec 97 10:35 Operator:
Sample : 278136 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 11:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	533612	791403	38.786	39.792
Spiked Amount 40.000 Range 43 - 150 Recovery =					96.97%	99.48%
2) SA Decachlorobiphen	25.91	21.45	911597	934012	39.180m	42.983
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.95%	107.46%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	99587	0	299.240	N.D. #
4) L1 Aroclor-1016{2}	0.00	7.59	0	169311	N.D.	194.415 #
5) L1 Aroclor-1016{3}	10.59	8.86	37551	132750	29.406	71.532 #
6) L1 Aroclor-1016{4}	0.00	9.25	0	109864	N.D.	130.258 #
7) L1 Aroclor-1016{5}	12.55	10.57	96743	214717	148.194	254.875 #
Sum Aroclor-1016			233882	626641	476.840	651.080
Average Aroclor-1016					158.947 ng	162.770 ng
8) L2 Aroclor-1221{1}	5.21	5.94	31033	31691	239.336	116.052 #
9) L2 Aroclor-1221{2}	0.00	6.39	0	81709	N.D.	471.909 #
11) L2 Aroclor-1221{4}	7.99	8.86	99587	132750	244.152	966.524 #
Sum Aroclor-1221			130620	246150	483.488	1554.485
Average Aroclor-1221					241.744 ng	518.162 ng
12) L3 Aroclor-1232{1}	7.99	0.00	99587	0	343.649	N.D. #
13) L3 Aroclor-1232{2}	0.00	7.59	0	169311	N.D.	461.254 #
14) L3 Aroclor-1232{3}	10.59	8.86	37551	132750	73.838	176.435 #
15) L3 Aroclor-1232{4}	12.55	9.25	96743	109864	306.730	325.656
16) L3 Aroclor-1232{5}	13.47	10.57	375238	214717	1654.197	563.248 #
Sum Aroclor-1232			609120	626641	2378.414	1526.594
Average Aroclor-1232					594.603 ng	381.648 ng
17) L4 Aroclor-1242{1}	7.99	0.00	99587	0	382.117	N.D. #
18) L4 Aroclor-1242{2}	0.00	7.59	0	169311	N.D.	260.924 #
19) L4 Aroclor-1242{3}	10.59	8.86	37551	132750	38.632	95.176 #
20) L4 Aroclor-1242{4}	0.00	9.25	0	109864	N.D.	179.543 #
21) L4 Aroclor-1242{5}	12.55	10.57	96743	214717	173.602	324.610 #
Sum Aroclor-1242			233882	626641	594.351	860.253
Average Aroclor-1242					198.117 ng	215.063 ng

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ewd 12/8/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1596.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDATA\EA1596.D\ECD2B.CH
Acq On : 8 Dec 97 10:35 Operator:
Sample : 278136 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	537013	819880	37.756	37.866
Spiked Amount 40.000 Range 43 - 150 Recovery =					94.39%	94.66%
2) SA Decachlorobiphen	25.91	21.45	912239	985308	38.786	43.189
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.97%	107.97%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD2B.CH
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Sample : 278136 Inst : GC_5890_5
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DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22) L5	Aroclor-1248{1}	0.00	7.59	0	169311	N.D.	475.634	#
23) L5	Aroclor-1248{2}	10.59	8.86	37551	132750	44.765	109.483	#
24) L5	Aroclor-1248{3}	12.55	10.57	96743	214717	127.203	228.516	#
25) L5	Aroclor-1248{4}	13.47	10.85	375238	104179	528.291	120.110	#
26) L5	Aroclor-1248{5}	15.63	13.54	861883	1084625	2596.336	3064.576	
Sum	Aroclor-1248			1371416	1705581	3296.595	3998.319	
Average	Aroclor-1248					824.149	799.664	
27) L6	Aroclor-1254{1}	11.63	9.88	109876	328349	293.687	532.701	#
28) L6	Aroclor-1254{2}	13.82	11.72	332946	488480	561.075m	395.472	#
29) L6	Aroclor-1254{3}	15.63	12.24	861883	442444	663.326	447.717	#
30) L6	Aroclor-1254{4}	16.55	13.54	622508	1084625	996.746	774.616	
31) L6	Aroclor-1254{5}	17.77	15.62	1288476	1668276	1062.319	1214.454	
Sum	Aroclor-1254			3215688	4012173	3577.153	3364.959	
Average	Aroclor-1254					715.431	672.992	
32) L7	Aroclor-1260{1}	16.17	13.99	408708	662358	420.690	603.722	#
33) L7	Aroclor-1260{2}	16.55	14.63	622508	728570	528.042	500.422	
34) L7	Aroclor-1260{3}	18.97	15.62	319814	1668276	385.485	879.048	#
35) L7	Aroclor-1260{4}	19.50	17.45	530917	384330	277.008	172.360	#
36) L7	Aroclor-1260{5}	20.84	18.45	277741	308779	177.739	189.574	
Sum	Aroclor-1260			2159686	3752314	1788.964	2345.126	
Average	Aroclor-1260					357.793	469.025	

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MW 12/8/97

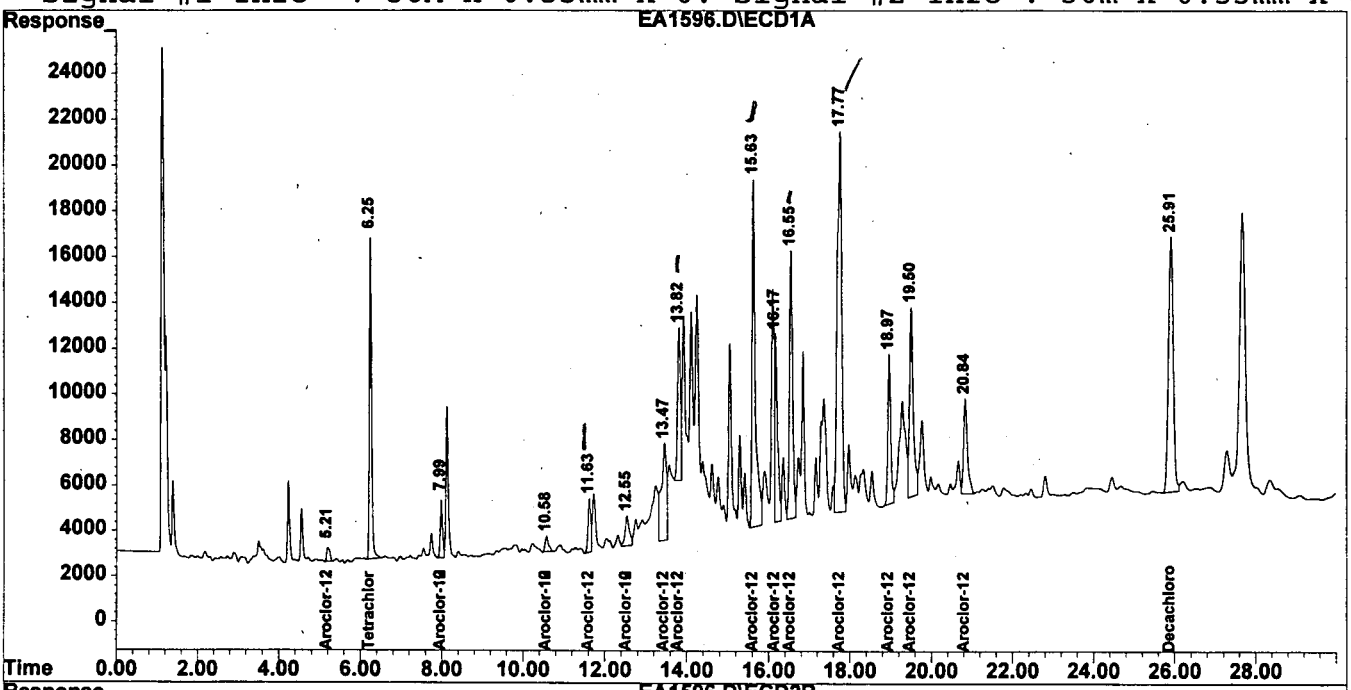
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

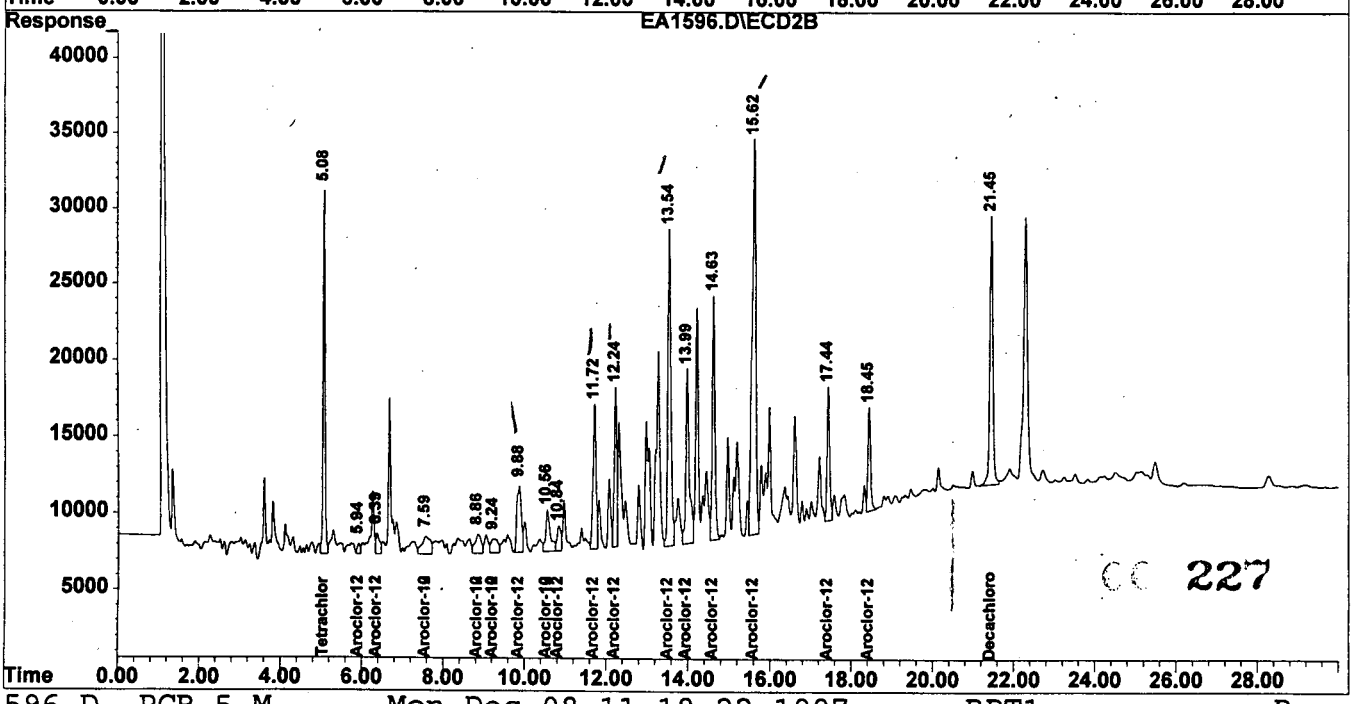
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1596.D\ECD2B.CH
Acq On : 8 Dec 97 10:35 Operator:
Sample : 278136 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 11:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CC 227

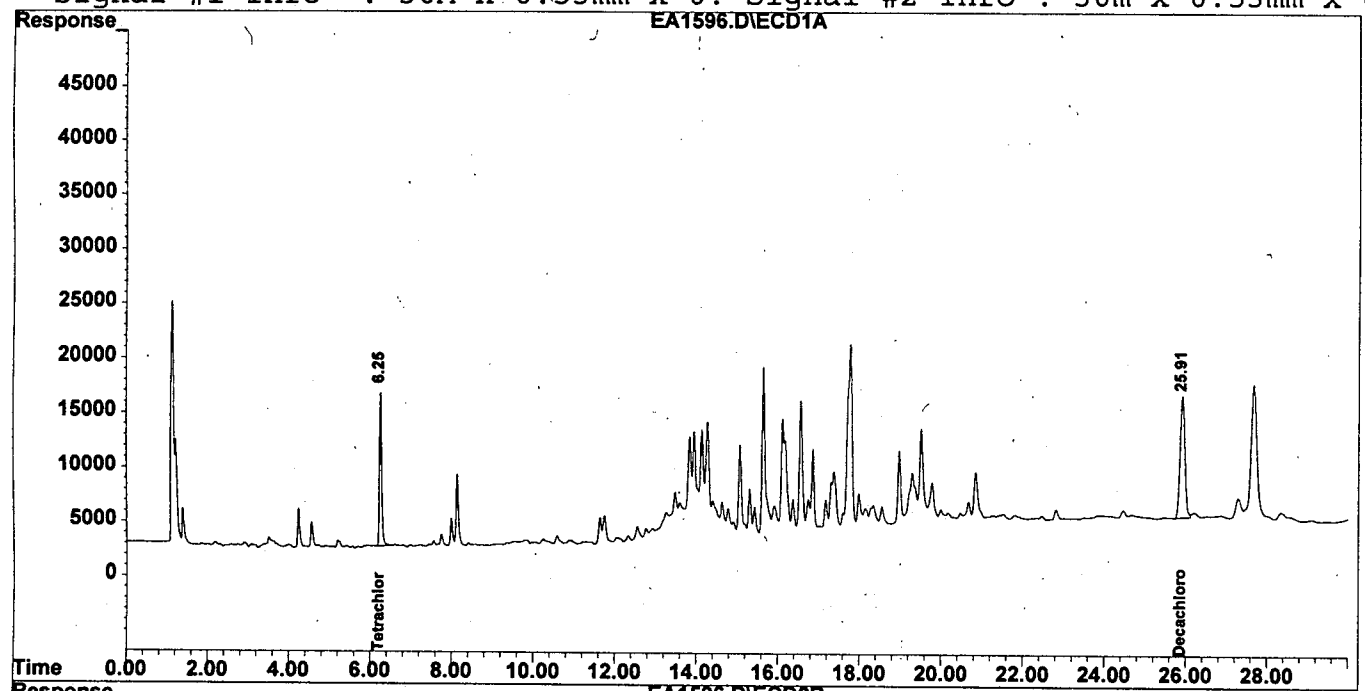
Quantitation Report

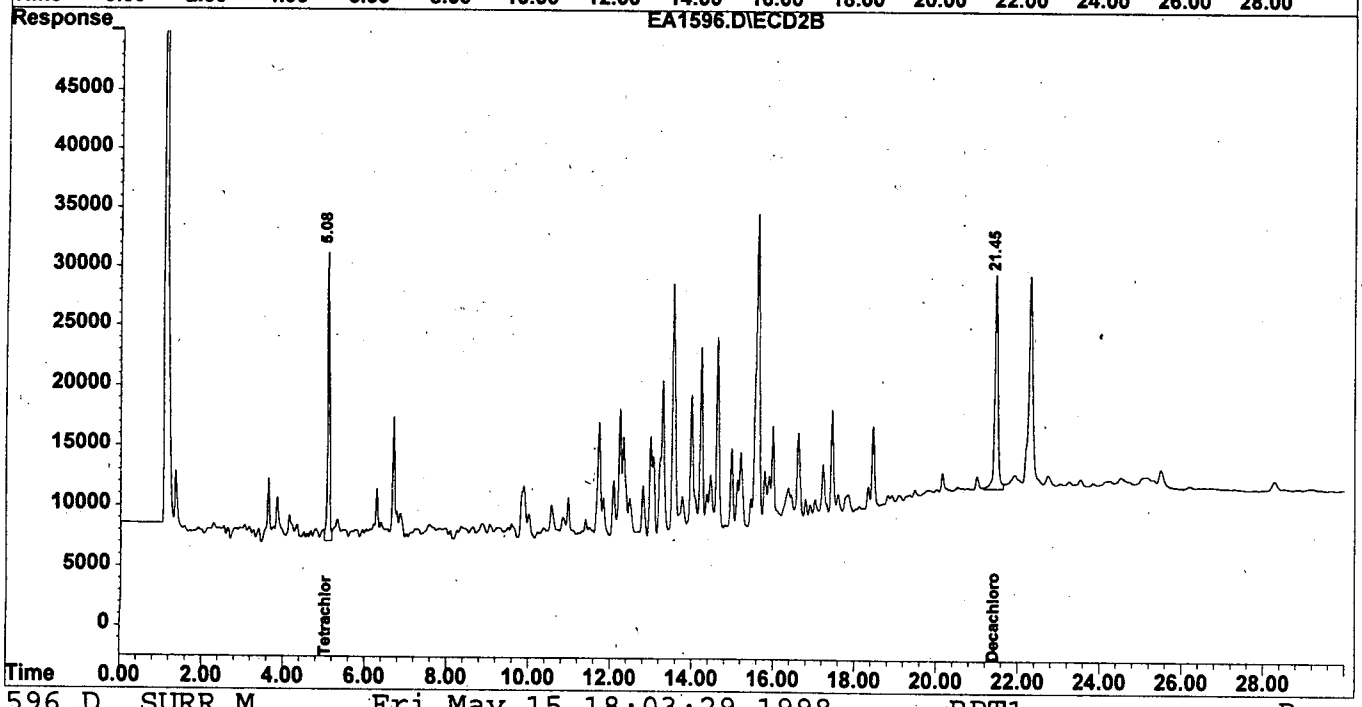
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1596.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDATA\EA1596.D\ECD2B.CH
Acq On : 8 Dec 97 10:35 Operator:
Sample : 278136 Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278137
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEENS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	20.55%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	84	59
Aroclor-1232	U	U	42	34
Aroclor-1242	U	U	42	21
Aroclor-1248	U	U	42	25
Aroclor-1254	1500 J	U	42	29
Aroclor-1260	U	U	42	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

1 AR1254 peak gone > 5000

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD2B.CH
Acq On : 10 Dec 97 19:13 Operator:
Sample : 278137 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	588402	836860	42.769m	42.078
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.92%	105.20%
2) SA Decachlorobiphen	25.89	21.44	900112	833271	38.686	38.347
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.71%	95.87%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	224844	0	675.612	N.D. #
4) L1 Aroclor-1016{2}	9.36	0.00	115843	0	170.866	N.D. #
5) L1 Aroclor-1016{3}	10.55	8.86	187708	354939	146.990	191.257 #
6) L1 Aroclor-1016{4}	11.09	9.20	28397	317209	64.217	376.094 #
7) L1 Aroclor-1016{5}	12.54	10.56	412362	785052	631.669	931.878 #
Sum Aroclor-1016			969154	1457200	1689.353	1499.229
Average Aroclor-1016					337.871 NP	499.743 NP
8) L2 Aroclor-1221{1}	5.20	5.96	31886	181271	245.912	663.802 #
9) L2 Aroclor-1221{2}	7.39	6.37	148173	59527	1561.518	343.799 #
10) L2 Aroclor-1221{3}	7.88	0.00	53114	0	385.676	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	224844	354939	551.235	2584.231 #
Sum Aroclor-1221			458016	595736	2744.342	3591.833
Average Aroclor-1221					686.085 NP	1197.278 NP
12) L3 Aroclor-1232{1}	7.99	0.00	224844	0	775.875	N.D. #
13) L3 Aroclor-1232{2}	9.36	0.00	115843	0	373.026	N.D. #
14) L3 Aroclor-1232{3}	10.55	8.86	187708	354939	369.092	471.741 #
15) L3 Aroclor-1232{4}	12.54	9.20	412362	317209	1307.424	940.266 #
16) L3 Aroclor-1232{5}	13.47	10.56	502286	785052	2214.274	2059.357
Sum Aroclor-1232			1443043	1457200	5039.691	3471.364
Average Aroclor-1232					1007.938 NP	1157.121 NP
17) L4 Aroclor-1242{1}	7.99	0.00	224844	0	862.728	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	115843	0	215.484	N.D. #
19) L4 Aroclor-1242{3}	10.55	8.86	187708	354939	193.110	254.475 #
20) L4 Aroclor-1242{4}	11.09	9.20	28397	317209	85.598	518.394 #
21) L4 Aroclor-1242{5}	12.54	10.56	412362	785052	739.969	1186.846 #
Sum Aroclor-1242			969154	1457200	2096.888	1959.715
Average Aroclor-1242					419.378 NP	653.238 NP

12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1686.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1686.D\ECD2B.CH
Acq On : 10 Dec 97 19:13 Operator:
Sample : 278137 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	600337	919452	42.208	42.464
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.52%	106.16%
2) SA Decachlorobiphen	25.89	21.44	901888	965404	38.346	42.317
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.86%	105.79%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD2B.CH
Acq On : 10 Dec 97 19:13 Operator:
Sample : 278137 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	0.00	115843	0	402.917	N.D.	#
23)	L5 Aroclor-1248{2}	10.55	8.86	187708	354939	223.765	292.728	#
24)	L5 Aroclor-1248{3}	12.54	10.56	412362	785052	542.197	835.504	#
25)	L5 Aroclor-1248{4}	13.47	10.83	502286	441201	707.160	508.671	#
26)	L5 Aroclor-1248{5}	15.62	13.53	4903764	6098955	14772.092	17232.425	
	Sum Aroclor-1248			6121963	7680147	16648.131	18869.327	
	Average Aroclor-1248					3329.626 NP	4717.332 NP	
27)	L6 Aroclor-1254{1}	11.62	9.88	342088	1449497	914.369	2351.610	#
28)	L6 Aroclor-1254{2}	13.81	11.71	2787293	2931006	4697.098	2372.935	#
29)	L6 Aroclor-1254{3}	15.62	12.23	4903764	2714117	3774.052	2746.463	#
30)	L6 Aroclor-1254{4}	16.57	13.53	7875280	6098955	~~12609.735~~	4355.743	#
31)	L6 Aroclor-1254{5}	17.76	15.61	6625910	7682247	5462.913	5592.440	
	Sum Aroclor-1254			22534335	20875822	~~27458.167~~	17419.192	
	Average Aroclor-1254					~~5491.633~~	3483.838	
					Sum AVERAGE	14848.432 3712.108		
32)	L7 Aroclor-1260{1}	16.16	13.98	2343800	2852764	2412.517	2600.219	
33)	L7 Aroclor-1260{2}	16.57	14.62	7875280	3842217	6680.202	2639.047	#
34)	L7 Aroclor-1260{3}	18.96	15.61	1839063	7682247	2216.701	4047.928	#
35)	L7 Aroclor-1260{4}	19.50	17.43	1814535	1751436	946.740	785.464	
36)	L7 Aroclor-1260{5}	20.83	18.44	1307117	1363847	836.483	837.329	
	Sum Aroclor-1260			15179795	17492513	13092.643	10809.987	
	Average Aroclor-1260					2618.529 NP	2181.997 NP	

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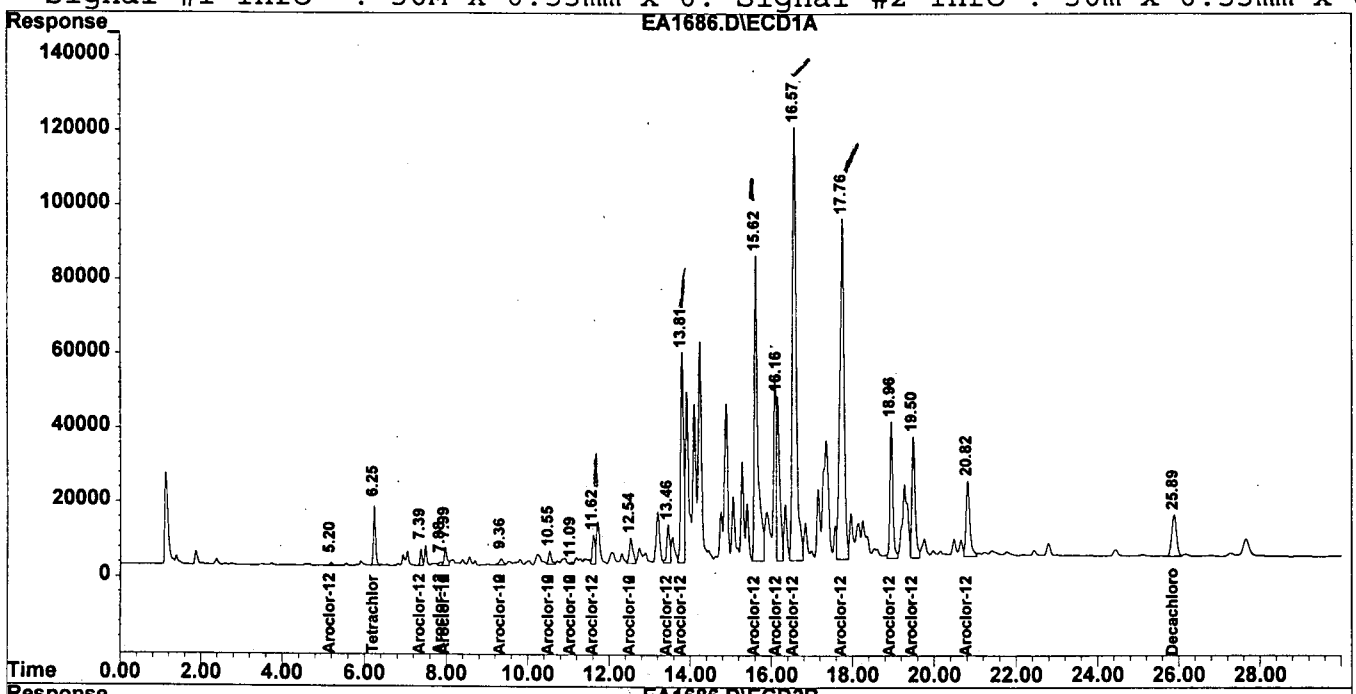
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

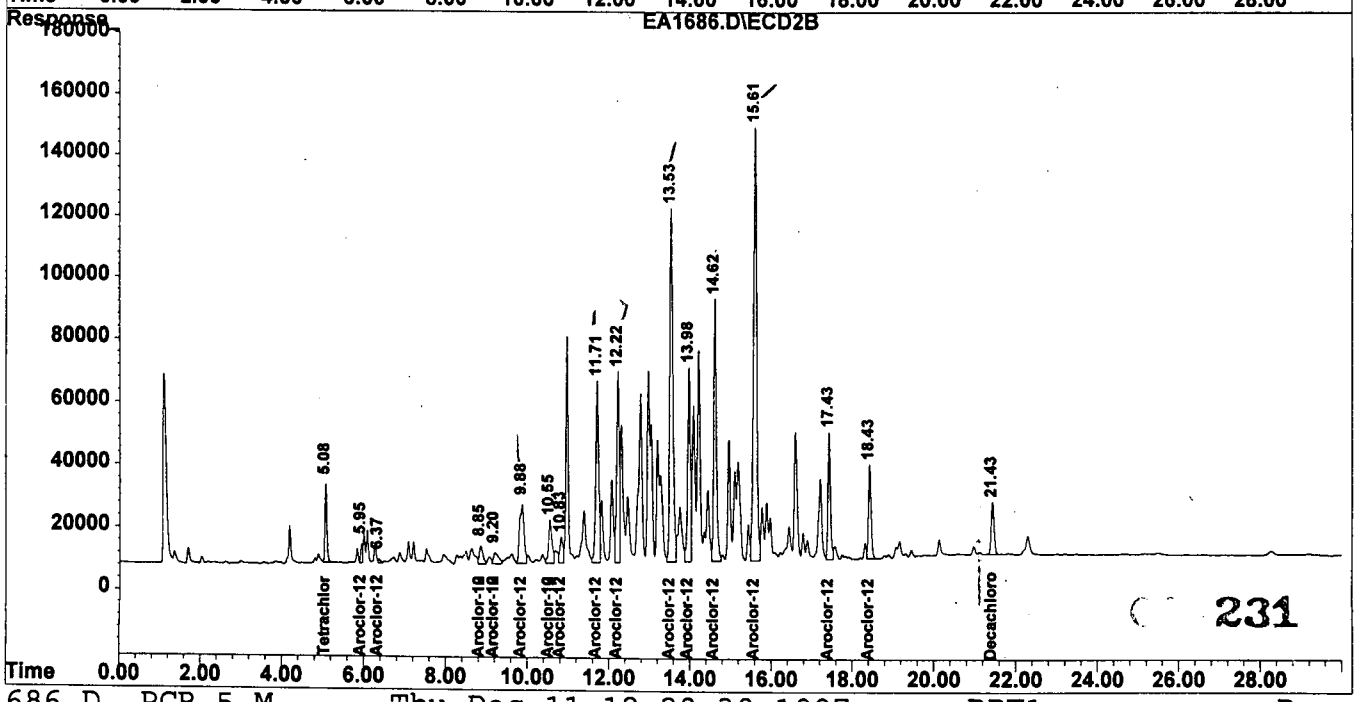
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1686.D\ECD2B.CH
Acq On : 10 Dec 97 19:13 Operator:
Sample : 278137 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:00 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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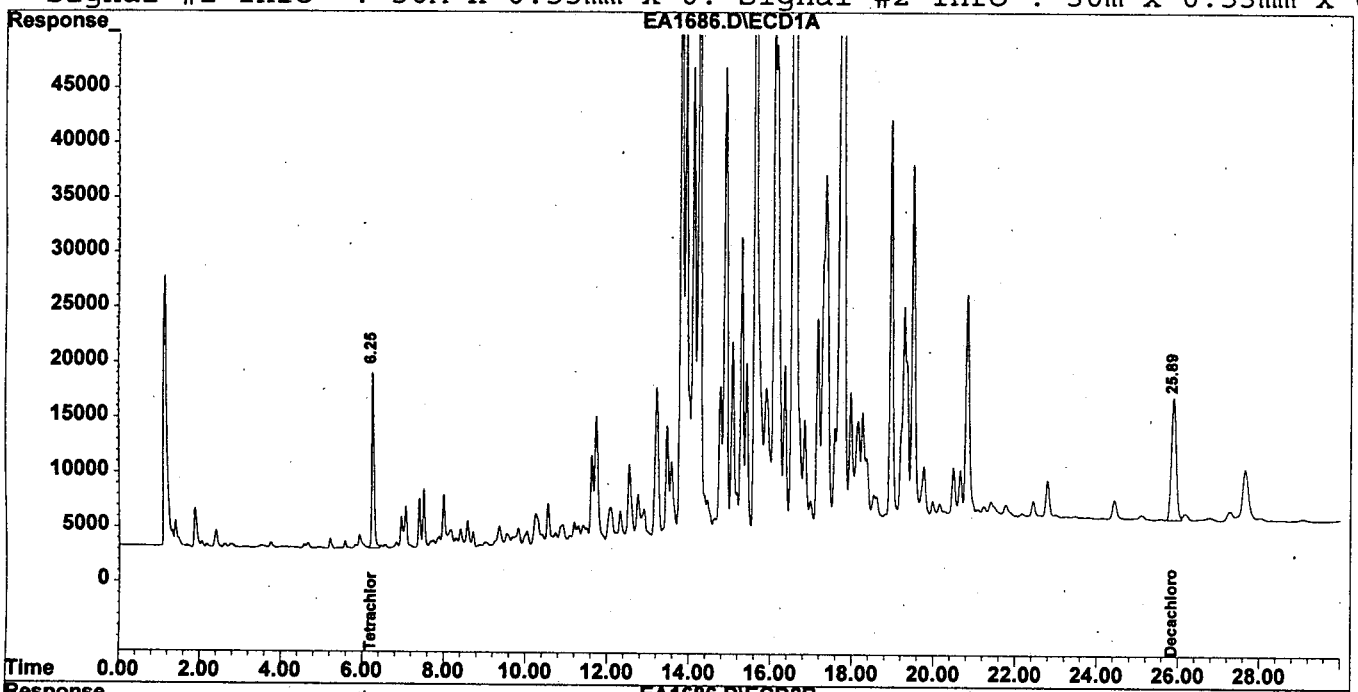
Quantitation Report

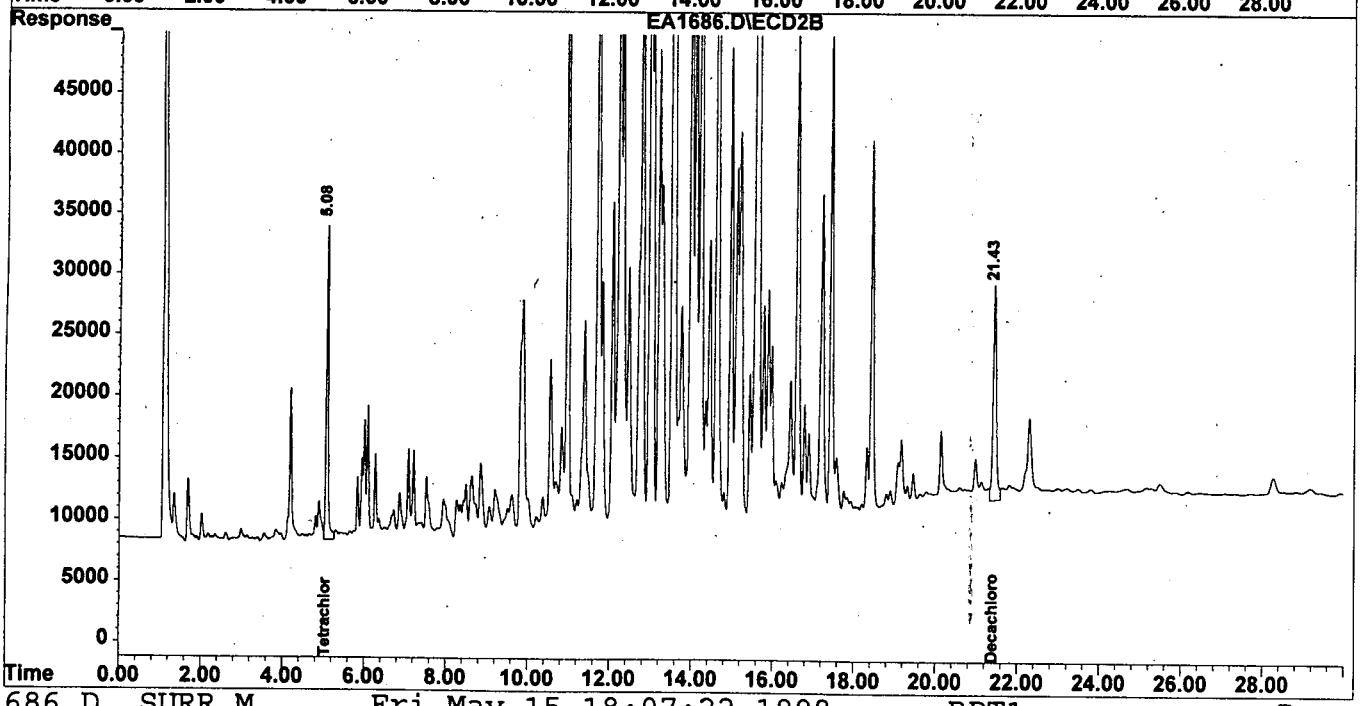
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1686.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1686.D\ECD2B.CH
Acq On : 10 Dec 97 19:13 Operator:
Sample : 278137 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278138
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEENS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	11.45%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	38	19
Aroclor-1221	U	U	75	53
Aroclor-1232	U	U	38	30
Aroclor-1242	U	U	38	19
Aroclor-1248	U	U	38	22
Aroclor-1254	U	U	38	26
Aroclor-1260	U	U	38	30

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD2B.CH
Acq On : 10 Dec 97 19:47 Operator:
Sample : 278138 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	615521	894548	44.740	44.979
Spiked Amount 40.000 Range 43 - 150 Recovery =					111.85%	112.45%
2) SA Decachlorobiphen	25.89	21.44	916948	808727	39.410	37.217
Spiked Amount 40.000 Range 24 - 154 Recovery =					98.52%	93.04%
Target Compounds						
3) L1 Aroclor-1016{1}	8.07	0.00	27022	0	81.196	N.D. #
4) L1 Aroclor-1016{2}	9.33	0.00	16895	0	24.920	N.D. #
5) L1 Aroclor-1016{3}	10.54	0.00	18556	0	14.531	N.D. #
6) L1 Aroclor-1016{4}	11.08	0.00	19649	0	44.434	N.D. #
7) L1 Aroclor-1016{5}	12.50	10.63	49199	51162	75.364	60.731
Sum Aroclor-1016			131322	51162	240.446	60.731
Average Aroclor-1016					48.089 NP	60.731 NP
9) L2 Aroclor-1221{2}	7.44	0.00	12536	0	132.112	N.D. #
11) L2 Aroclor-1221{4}	8.07	0.00	27022	0	66.249	N.D. #
Sum Aroclor-1221			39558	0	198.361	N.D.
Average Aroclor-1221					99.181 NP	0.000
12) L3 Aroclor-1232{1}	8.07	0.00	27022	0	93.246	N.D. #
13) L3 Aroclor-1232{2}	9.33	0.00	16895	0	54.405	N.D. #
14) L3 Aroclor-1232{3}	10.54	0.00	18556	0	36.487	N.D. #
15) L3 Aroclor-1232{4}	12.50	0.00	49199	0	155.988	N.D. #
16) L3 Aroclor-1232{5}	13.47	10.63	38535	51162	169.876	134.209
Sum Aroclor-1232			150207	51162	510.002	134.209
Average Aroclor-1232					102.000 NP	134.209 NP
17) L4 Aroclor-1242{1}	8.07	0.00	27022	0	103.684	N.D. #
18) L4 Aroclor-1242{2}	9.33	0.00	16895	0	31.428	N.D. #
19) L4 Aroclor-1242{3}	10.54	0.00	18556	0	19.090	N.D. #
20) L4 Aroclor-1242{4}	11.08	0.00	19649	0	59.229	N.D. #
21) L4 Aroclor-1242{5}	0.00	10.63	0	51162	N.D.	77.347 #
Sum Aroclor-1242			82123	51162	213.431	77.347
Average Aroclor-1242					53.358 NP	77.347 NP

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Dan 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1687.D\ECD1A.CH Vial: 16
Signal #2 : E:\WESTDATA\EA1687.D\ECD2B.CH
Acq On : 10 Dec 97 19:47 Operator:
Sample : 278138 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	616052	904608	43.313	41.779
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.28%	104.45%
2) SA Decachlorobiphen	25.89	21.44	918526	994248	39.053	43.581
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.63%	108.95%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 3 4A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD2B.CH
Acq On : 10 Dec 97 19:47 Operator:
Sample : 278138 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.33	0.00	16895	0	58.764	N.D. #
23)	L5 Aroclor-1248{2}	10.54	0.00	18556	0	22.121	N.D. #
24)	L5 Aroclor-1248{3}	12.50	10.63	49199	51162	64.689	54.450
25)	L5 Aroclor-1248{4}	13.47	0.00	38535	0	54.252	N.D. #
26)	L5 Aroclor-1248{5}	15.63	13.55	57026	148339	171.785	419.128 #
	Sum Aroclor-1248			180211	199501	371.611	473.578
	Average Aroclor-1248					74.322 NP	236.789 NP
27)	L6 Aroclor-1254{1}	0.00	9.82	0	19344	N.D.	31.383m#
28)	L6 Aroclor-1254{2}	13.81	11.72	59606	107855	100.447	87.319
29)	L6 Aroclor-1254{3}	15.63	12.23	57026	51936	43.889	52.555m
30)	L6 Aroclor-1254{4}	16.57	13.54	140764	104790	225.388	74.839m#
31)	L6 Aroclor-1254{5}	17.77	15.62	95410	141220	78.664	102.804 #
	Sum Aroclor-1254			352806	425145	448.387	348.899
	Average Aroclor-1254					112.097 NP	69.780 NP
32)	L7 Aroclor-1260{1}	16.16	13.99	34199	69205	35.202	63.079 #
33)	L7 Aroclor-1260{2}	16.57	14.63	140764	77131	119.403	52.978 #
34)	L7 Aroclor-1260{3}	18.96	15.62	21245	141220	25.608	74.412 #
35)	L7 Aroclor-1260{4}	19.49	0.00	36258	0	18.918	N.D. #
	Sum Aroclor-1260			232467	287556	199.131	190.468
	Average Aroclor-1260					49.783 NP	63.489 NP

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12/11/97

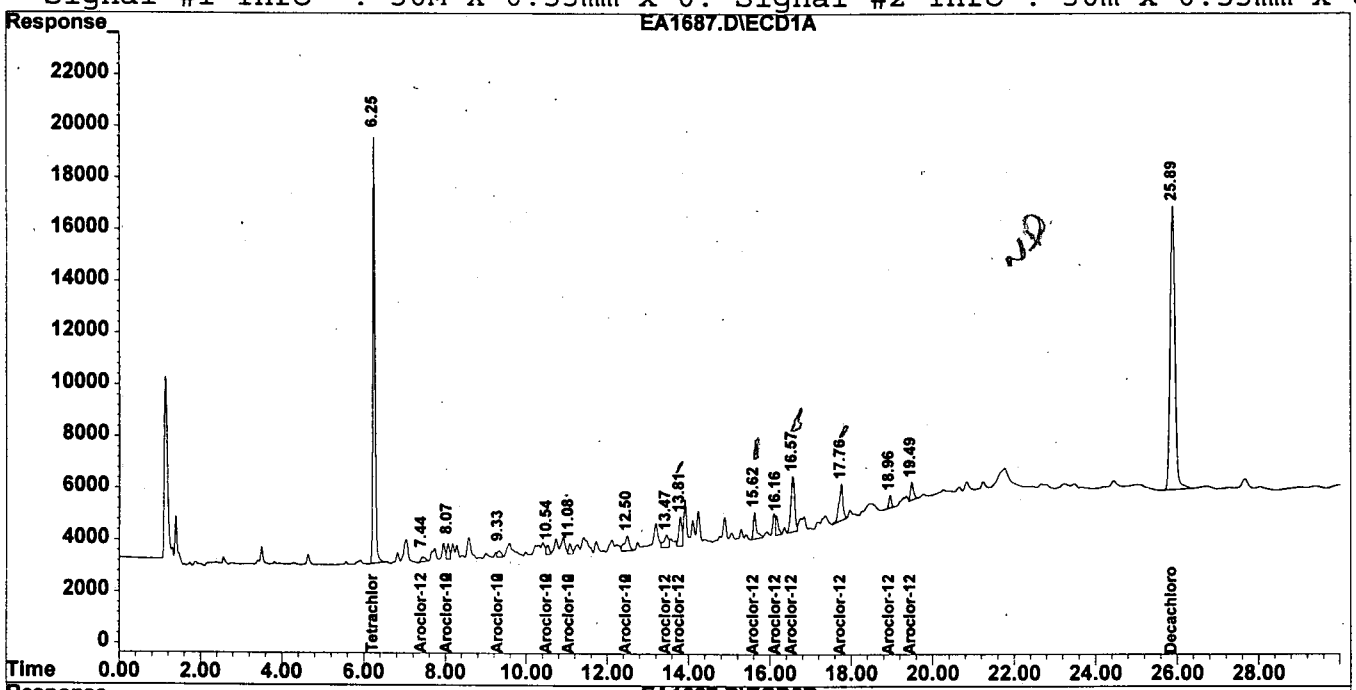
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

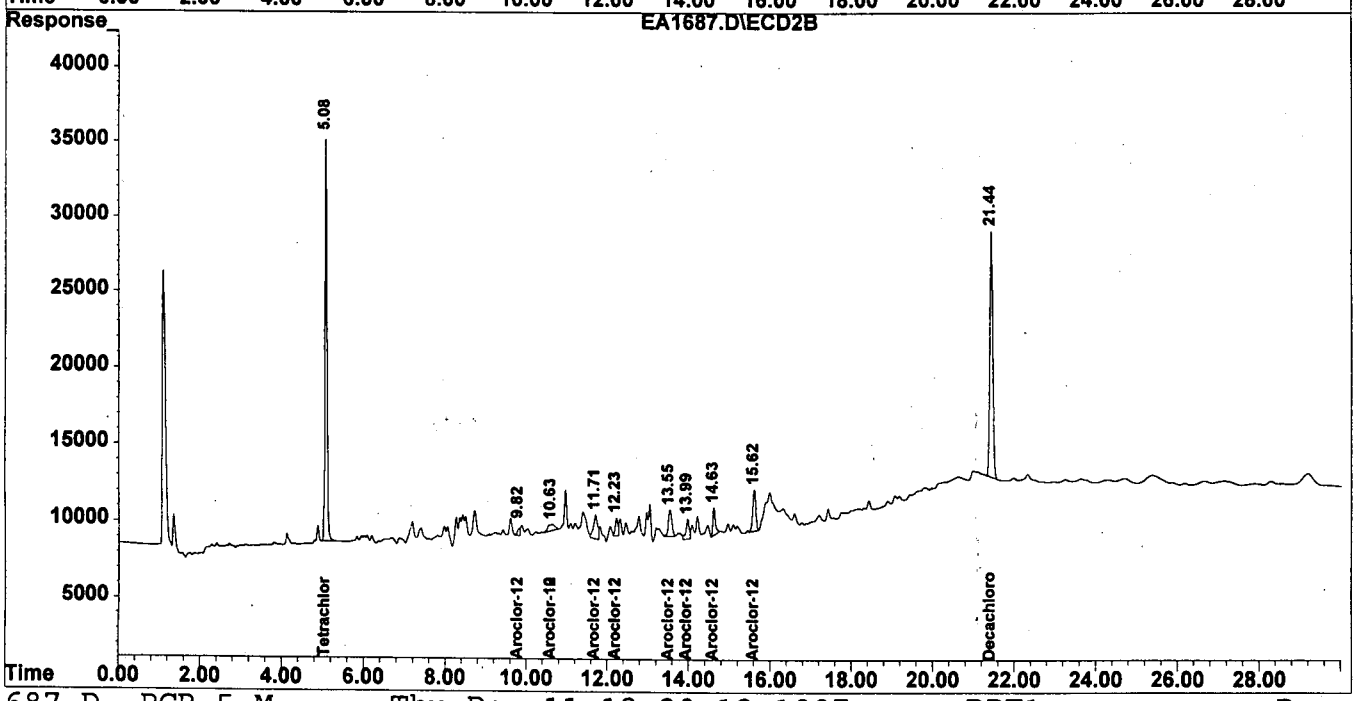
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1687.D\ECD2B.CH
Acq On : 10 Dec 97 19:47 Operator:
Sample : 278138 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:03 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



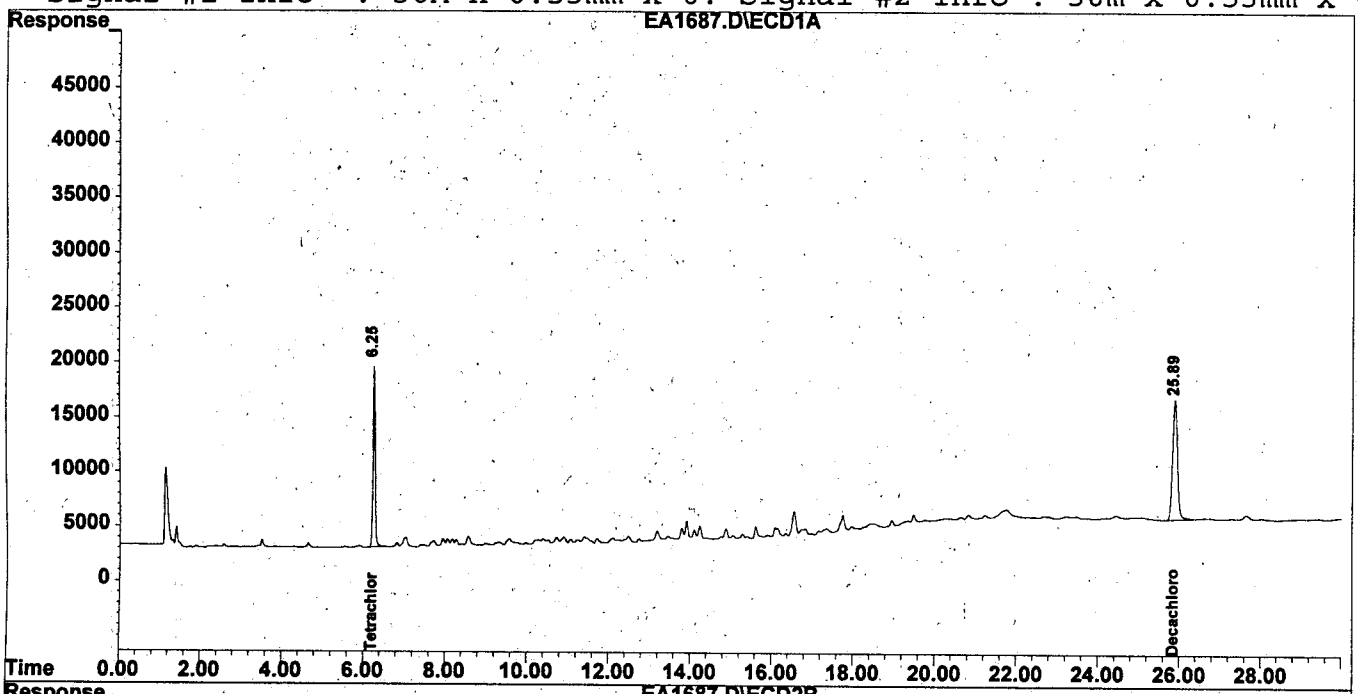


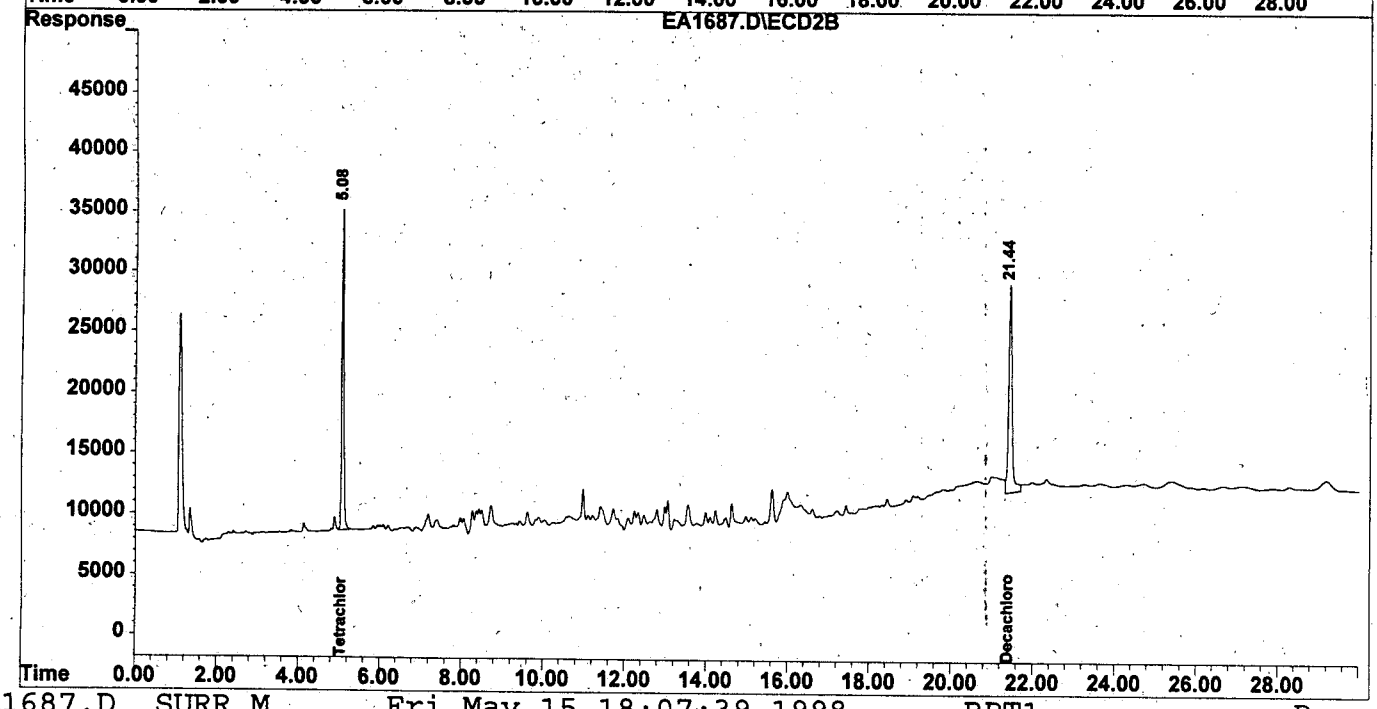
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1687.D\ECD1A.CH Vial: 16
Signal #2 : E:\WESTDATA\EA1687.D\ECD2B.CH
Acq On : 10 Dec 97 19:47 Operator:
Sample : 278138 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278139
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEENS3
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	19.51%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	21
Aroclor-1221	U	U	83	58
Aroclor-1232	U	U	41	33
Aroclor-1242	U	U	41	21
Aroclor-1248	U	U	41	25
Aroclor-1254	1100	U	41	29
Aroclor-1260	U	U	41	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD2B.CH
Acq On : 10 Dec 97 20:20 Operator:
Sample : 278139 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	561970	792566	40.848	39.851
Spiked Amount 40.000 Range 43 - 150 Recovery =					102.12%	99.63%
2) SA Decachlorobiphen	25.89	21.44	902282	888359	38.779	40.882m
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.95%	102.21%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	174695	0	524.925	N.D. #
4) L1 Aroclor-1016{2}	9.36	0.00	84945	0	125.292	N.D. #
5) L1 Aroclor-1016{3}	10.55	8.86	147963	340356	115.866	183.399 #
6) L1 Aroclor-1016{4}	11.09	9.21	16065	307257	36.329	364.294 #
7) L1 Aroclor-1016{5}	12.54	10.56	315890	684196	483.890	812.159 #
Sum Aroclor-1016			739557	1331809	1286.301	1359.852
Average Aroclor-1016					257.260 µP	453.284 µP
8) L2 Aroclor-1221{1}	5.20	5.96	24538	361757	189.246	1324.734 #
9) L2 Aroclor-1221{2}	7.39	6.37	317136	93261	3342.138	538.631 #
10) L2 Aroclor-1221{3}	7.87	0.00	86559	0	628.533	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	174695	340356	428.289	2478.056 #
Sum Aroclor-1221			602928	795374	4588.205	4341.421
Average Aroclor-1221					1147.051 µP	1447.140 µP
12) L3 Aroclor-1232{1}	7.99	0.00	174695	0	602.825	N.D. #
13) L3 Aroclor-1232{2}	9.36	0.00	84945	0	273.531	N.D. #
14) L3 Aroclor-1232{3}	10.55	8.86	147963	340356	290.941	452.359 #
15) L3 Aroclor-1232{4}	12.54	9.21	315890	307257	1001.551	910.766
16) L3 Aroclor-1232{5}	13.47	10.56	503237	684196	2218.468	1794.790
Sum Aroclor-1232			1226730	1331809	4387.316	3157.915
Average Aroclor-1232					877.463 µP	1052.638 µP
17) L4 Aroclor-1242{1}	7.99	0.00	174695	0	670.306	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	84945	0	158.009	N.D. #
19) L4 Aroclor-1242{3}	10.55	8.86	147963	340356	152.221	244.020 #
20) L4 Aroclor-1242{4}	11.09	9.21	16065	307257	48.425	502.130 #
21) L4 Aroclor-1242{5}	12.54	10.56	315890	684196	566.853	1034.371 #
Sum Aroclor-1242			739557	1331809	1595.814	1780.520
Average Aroclor-1242					319.163 µP	593.507 µP

Pmc 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1688.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDATA\EA1688.D\ECD2B.CH
Acq On : 10 Dec 97 20:20 Operator:
Sample : 278139 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	562170	860921	39.525	39.761
Spiked Amount 40.000 Range 43 - 150 Recovery =					98.81%	99.40%
2) SA Decachlorobiphen	25.89	21.44	904230	1059016	38.445	46.420
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.11%	116.05%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD2B.CH
Acq On : 10 Dec 97 20:20 Operator:
Sample : 278139 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
2) L5	Aroclor-1248{1}	9.36	0.00	84945	0	295.450	N.D. #
23) L5	Aroclor-1248{2}	10.55	8.86	147963	340356	176.385	280.701 #
24) L5	Aroclor-1248{3}	12.54	10.56	315890	684196	415.349	728.166 #
5) L5	Aroclor-1248{4}	13.47	10.83	503237	386460	708.499	445.558 #
26) L5	Aroclor-1248{5}	15.62	13.54	3899493	4980929	11746.827	14073.474
Sum	Aroclor-1248			4951528	6391941	13342.511	15527.900
Average	Aroclor-1248					2668.502 µl	3881.975 NP
27) L6	Aroclor-1254{1}	11.62	9.84	298066	418294	796.701	678.625m
8) L6	Aroclor-1254{2}	13.81	11.71	2276665	2416378	3836.596	1956.294 #
9) L6	Aroclor-1254{3}	15.62	12.23	3899493	2274365	3001.142	2301.471
30) L6	Aroclor-1254{4}	16.58	13.54	10111310	4980929	~~16190.020~~	3557.273 #
31) L6	Aroclor-1254{5}	17.76	15.61	5437400	6356438	4483.013m	4627.291
Sum	Aroclor-1254	interference		22022934	16446405	~~28307.473~~	13120.954
Average	Aroclor-1254					~~5661.495~~	2624.191
					sum	12117.453	
					AVERAGE	3029.363	
2) L7	Aroclor-1260{1}	0.00	13.98	0	2401756	N.D.	2189.137 #
3) L7	Aroclor-1260{2}	16.58	14.62	10111310	3217433	8576.914	2209.911 #
34) L7	Aroclor-1260{3}	18.96	15.61	1527743	6356438	1841.454	3349.333 #
5) L7	Aroclor-1260{4}	19.50	17.44	1501642	1436343	783.487	644.154
6) L7	Aroclor-1260{5}	20.82	18.44	1052078	1136660	673.272	697.848
Sum	Aroclor-1260			14192773	14548631	11875.127	9090.383
Average	Aroclor-1260					2968.782 µl	1818.077 NP

12/11/97

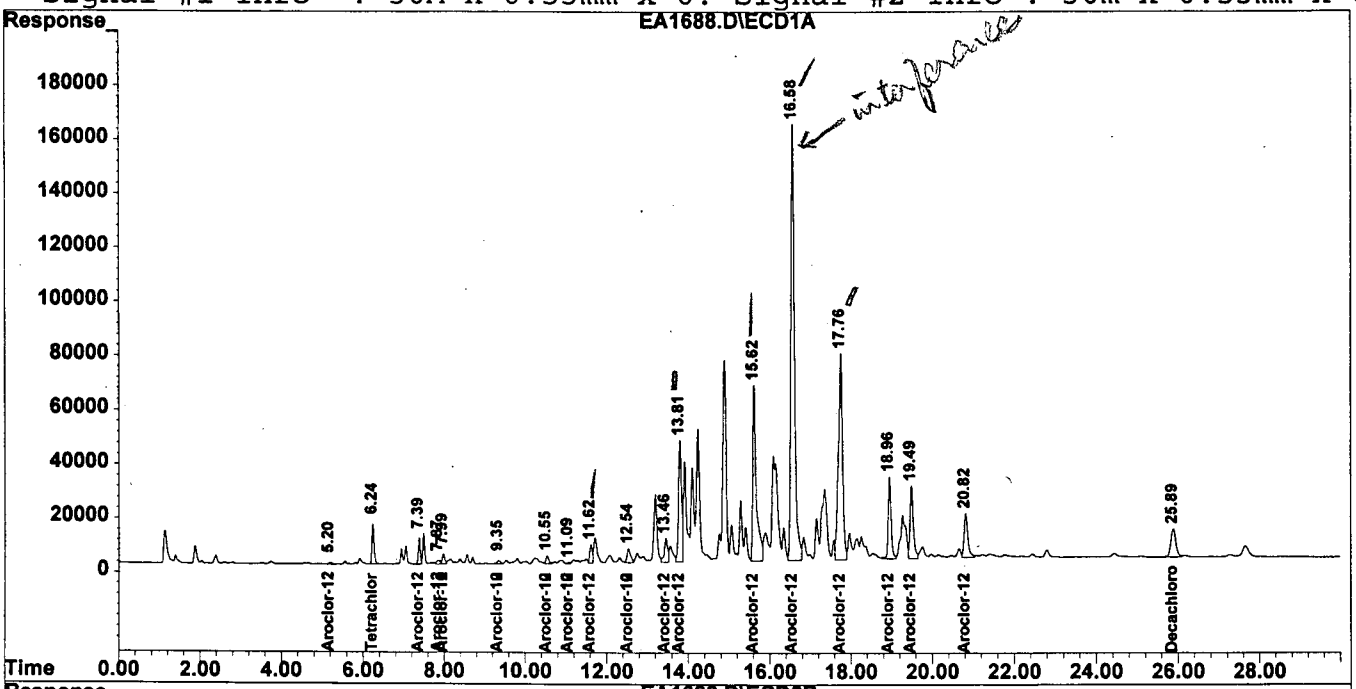
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

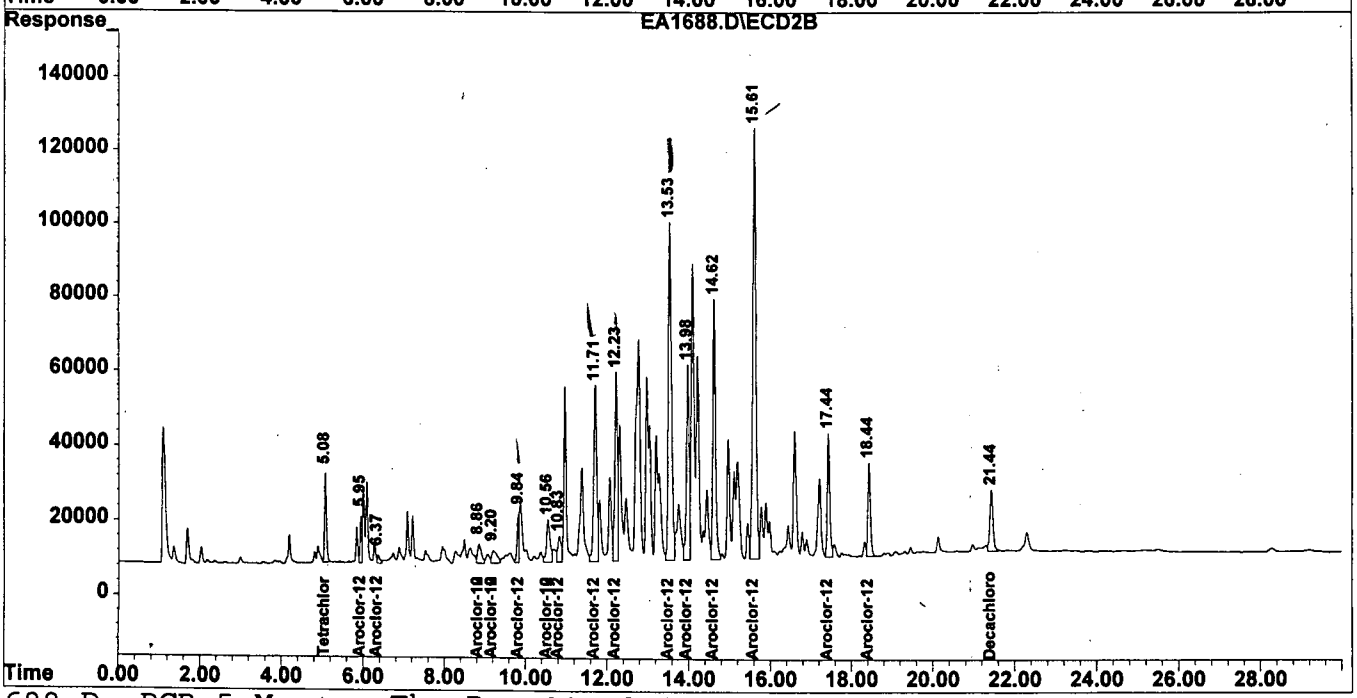
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1688.D\ECD2B.CH
Acq On : 10 Dec 97 20:20 Operator:
Sample : 278139 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:06 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





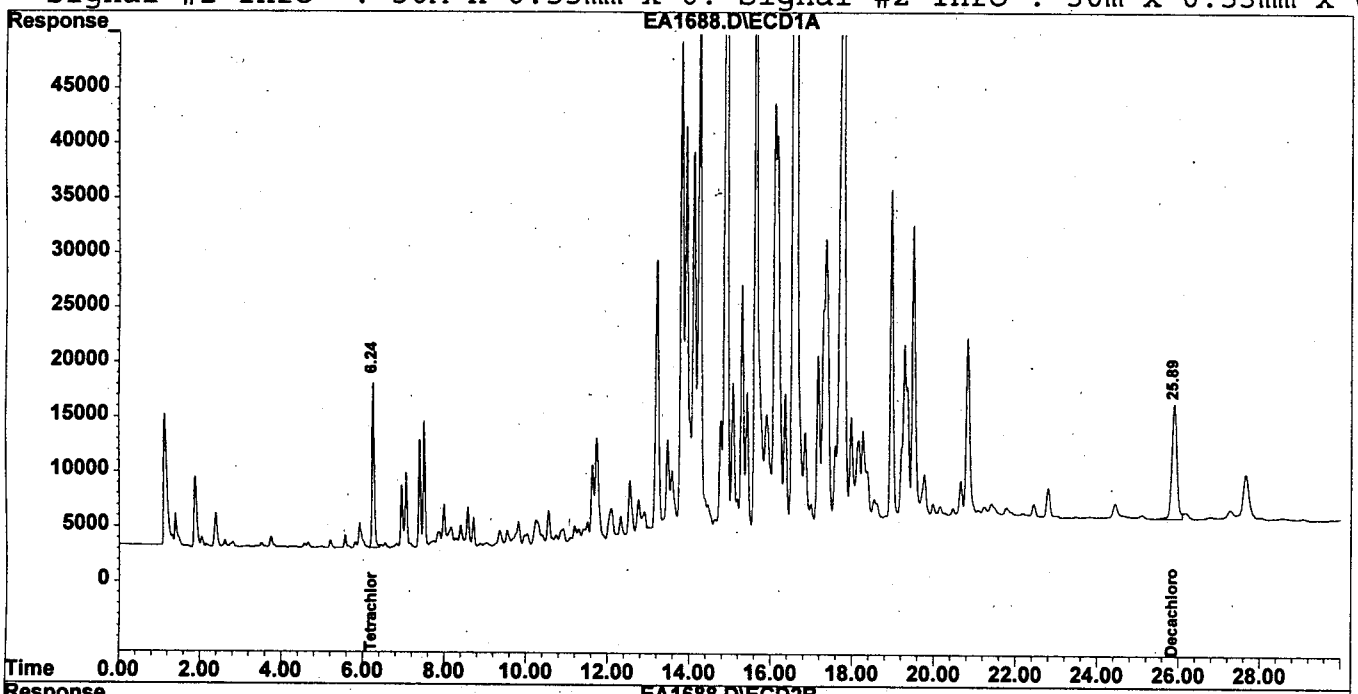
Quantitation Report

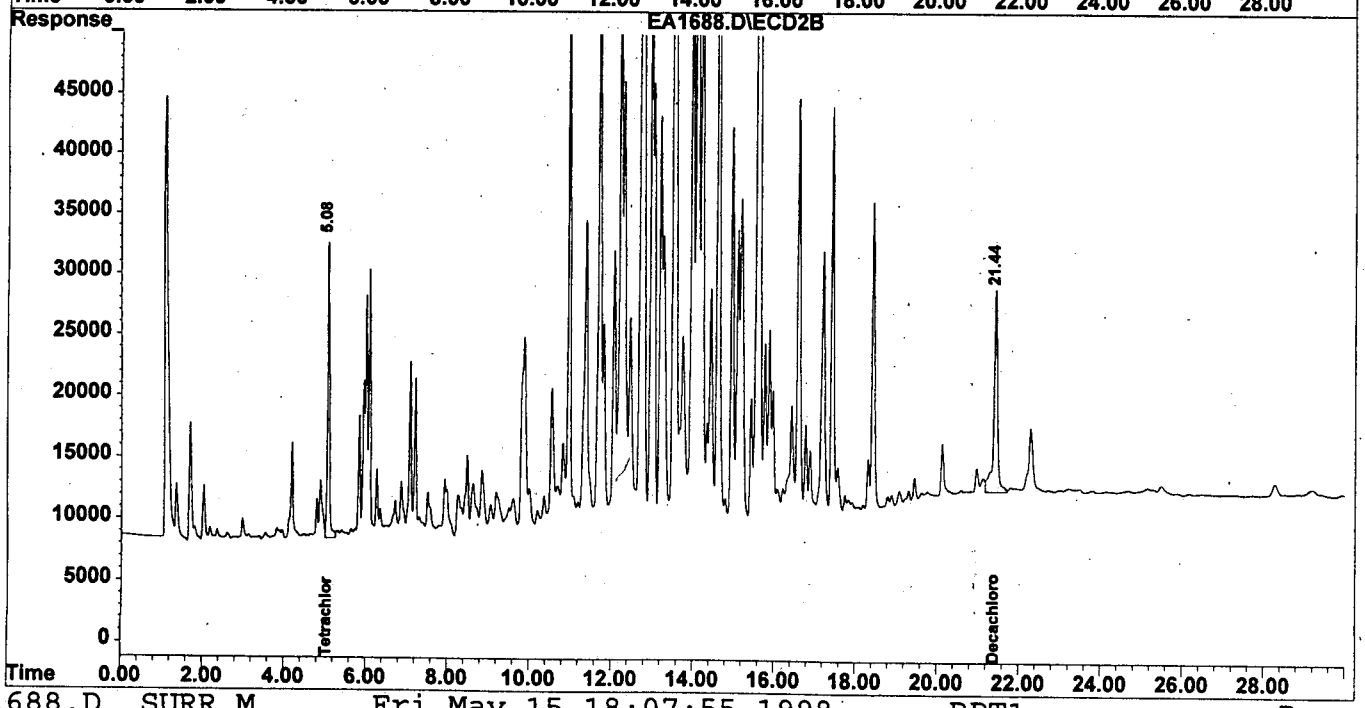
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1688.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDATA\EA1688.D\ECD2B.CH
Acq On : 10 Dec 97 20:20 Operator:
Sample : 278139 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278140
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEEND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	23.73%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	44	22
Aroclor-1221	U	U	87	61
Aroclor-1232	U	U	44	35
Aroclor-1242	U	U	44	22
Aroclor-1248	U	U	44	26
Aroclor-1254	1800 J	U	44	30
Aroclor-1260	U	U	44	35

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

J: - %D of AR1254 conc >50
- 2 pks conc. >5000

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD2B.CH
Acq On : 10 Dec 97 20:54 Operator:
Sample : 278140 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:07 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	375743	540914	27.311	27.198
Spiked Amount 40.000 Range 43 - 150 Recovery =					68.28%	68.00%
2) SA Decachlorobiphen	25.90	21.44	613561	643953	26.370	29.635m
Spiked Amount 40.000 Range 24 - 154 Recovery =					65.93%	74.09%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	845612	0	2540.903	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	71768	84166	105.856	96.646
5) L1 Aroclor-1016{3}	10.55	8.86	162406	296813	127.176	159.936 #
6) L1 Aroclor-1016{4}	11.02	9.21	12332	169792	27.887	201.311 #
7) L1 Aroclor-1016{5}	12.54	10.56	364998	689486	559.116	818.439 #
Sum Aroclor-1016			1457116	1240257	3360.937	1276.332
Average Aroclor-1016					672.187 NP	319.083 NP
8) L2 Aroclor-1221{1}	5.20	5.95	32266	136710	248.843	500.626 #
9) L2 Aroclor-1221{2}	7.39	0.00	58248	0	613.843	N.D. #
10) L2 Aroclor-1221{3}	7.87	0.00	25658	0	186.309	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	845612	296813	2073.135	2161.030
Sum Aroclor-1221			961784	433523	3122.130	2661.655
Average Aroclor-1221					780.533 NP	1330.828 NP
12) L3 Aroclor-1232{1}	7.99	0.00	845612	0	2917.982	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	71768	84166	231.099	229.295
14) L3 Aroclor-1232{3}	10.55	8.86	162406	296813	319.340	394.487
15) L3 Aroclor-1232{4}	12.54	9.21	364998	169792	1157.253	503.294 #
16) L3 Aroclor-1232{5}	13.47	10.56	1317787	689486	5809.321	1808.667 #
Sum Aroclor-1232			2762571	1240257	10434.997	2935.745
Average Aroclor-1232					2086.999 NP	733.936 NP
17) L4 Aroclor-1242{1}	7.99	0.00	845612	0	3244.625	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	71768	84166	133.498	129.709
19) L4 Aroclor-1242{3}	10.55	8.86	162406	296813	167.080	212.802 #
20) L4 Aroclor-1242{4}	11.02	9.21	12332	169792	37.172	277.480 #
21) L4 Aroclor-1242{5}	12.54	10.56	364998	689486	654.976	1042.369 #
Sum Aroclor-1242			1457116	1240257	4237.351	1662.359
Average Aroclor-1242					847.470 NP	415.590 NP

2nd 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1689.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDATA\EA1689.D\ECD2B.CH
Acq On : 10 Dec 97 20:54 Operator:
Sample : 278140 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	375743	541700	26.418	25.018
Spiked Amount 40.000 Range 43 - 150 Recovery =					66.05%	62.55%
2) SA Decachlorobiphen	25.90	21.44	642553	616256	27.320	27.012m
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.30%	67.53%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

242A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD2B.CH
Acq On : 10 Dec 97 20:54 Operator:
Sample : 278140 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:07 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.36	7.59	71768	84166	249.618	236.444
23)	L5 Aroclor-1248{2}	10.55	8.86	162406	296813	193.603	244.790 #
24)	L5 Aroclor-1248{3}	12.54	10.56	364998	689486	479.920	733.797 #
25)	L5 Aroclor-1248{4}	13.47	10.83	1317787	391598	1855.289	451.482 #
26)	L5 Aroclor-1248{5}	15.62	13.54	6196374	9008356	18665.948	25452.854 #
	Sum Aroclor-1248			8113333	10470419	21444.378	27119.366
	Average Aroclor-1248					4288.876	5423.873
27)	L6 Aroclor-1254{1}	11.62	9.83	334185	470956	893.245	764.062m
28)	L6 Aroclor-1254{2}	13.80	11.72	~~6845530~~	3261153	~~11535.969~~	2640.222 #
29)	L6 Aroclor-1254{3}	15.62	12.23	6196374	2585982	4768.875	2616.801 #
30)	L6 Aroclor-1254{4}	16.57	13.54	7530319	9008356	12057.390	6433.575 #
31)	L6 Aroclor-1254{5}	17.76	15.62	7931108	10508787	6539.019	7650.073
	Sum Aroclor-1254			28837515	25835233	35794.499	20104.733
	Average Aroclor-1254					7158.900	4020.947
32)	L7 Aroclor-1260{1}	16.16	13.99	2706903	3427784	2786.266	3124.334
33)	L7 Aroclor-1260{2}	16.57	14.62	7530319	4771590	6387.589	3277.391 #
34)	L7 Aroclor-1260{3}	18.96	15.62	2088022	10508787	2516.782	5537.287 #
35)	L7 Aroclor-1260{4}	19.50	17.44	2095797	2042628	1093.490	916.054
36)	L7 Aroclor-1260{5}	20.83	18.44	1453264	1577292	930.009	968.373
	Sum Aroclor-1260			15874305	22328081	13714.135	13823.439
	Average Aroclor-1260					2742.827	2764.688

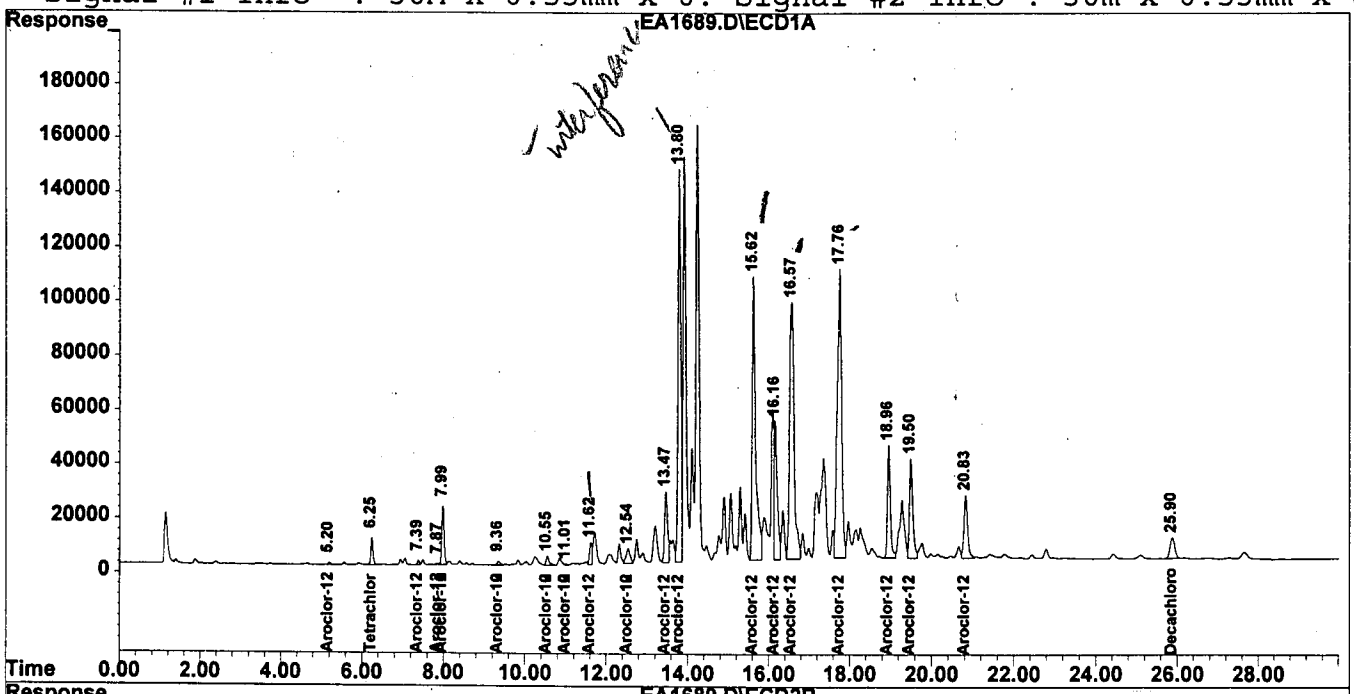
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

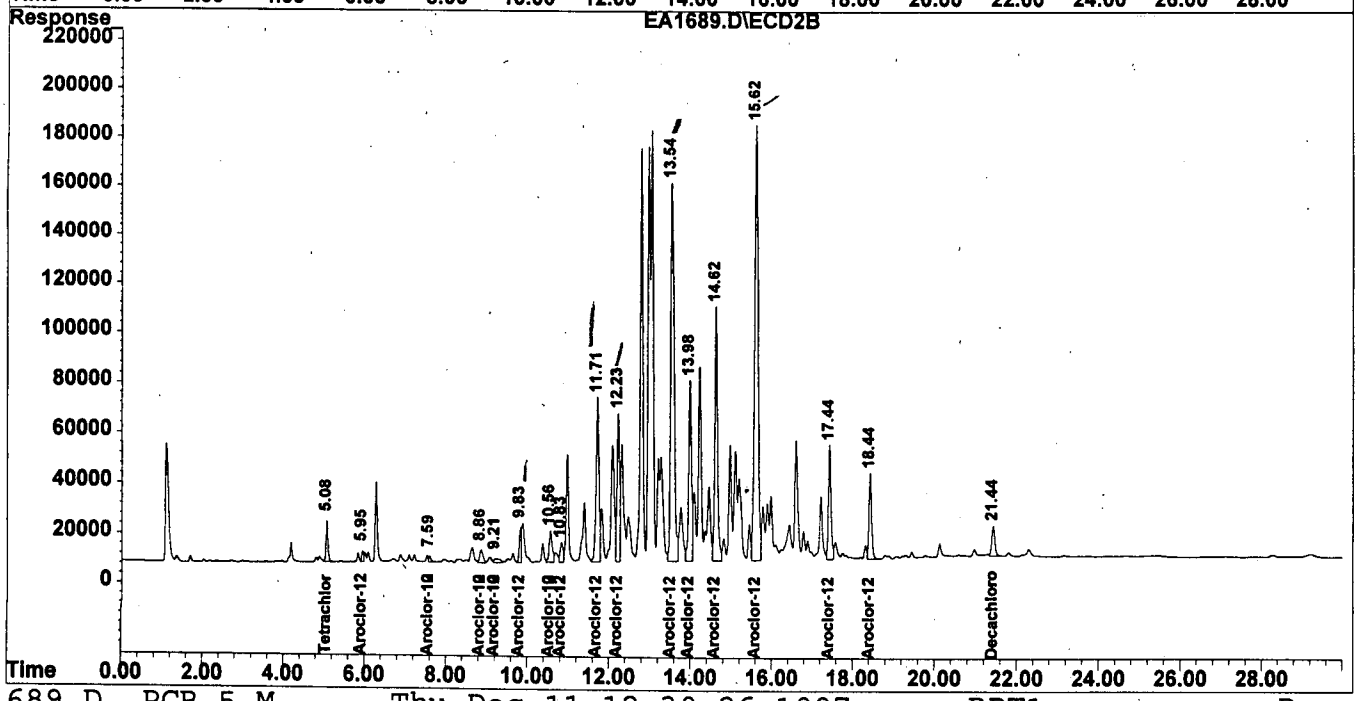
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1689.D\ECD2B.CH
Acq On : 10 Dec 97 20:54 Operator:
Sample : 278140 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:07 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





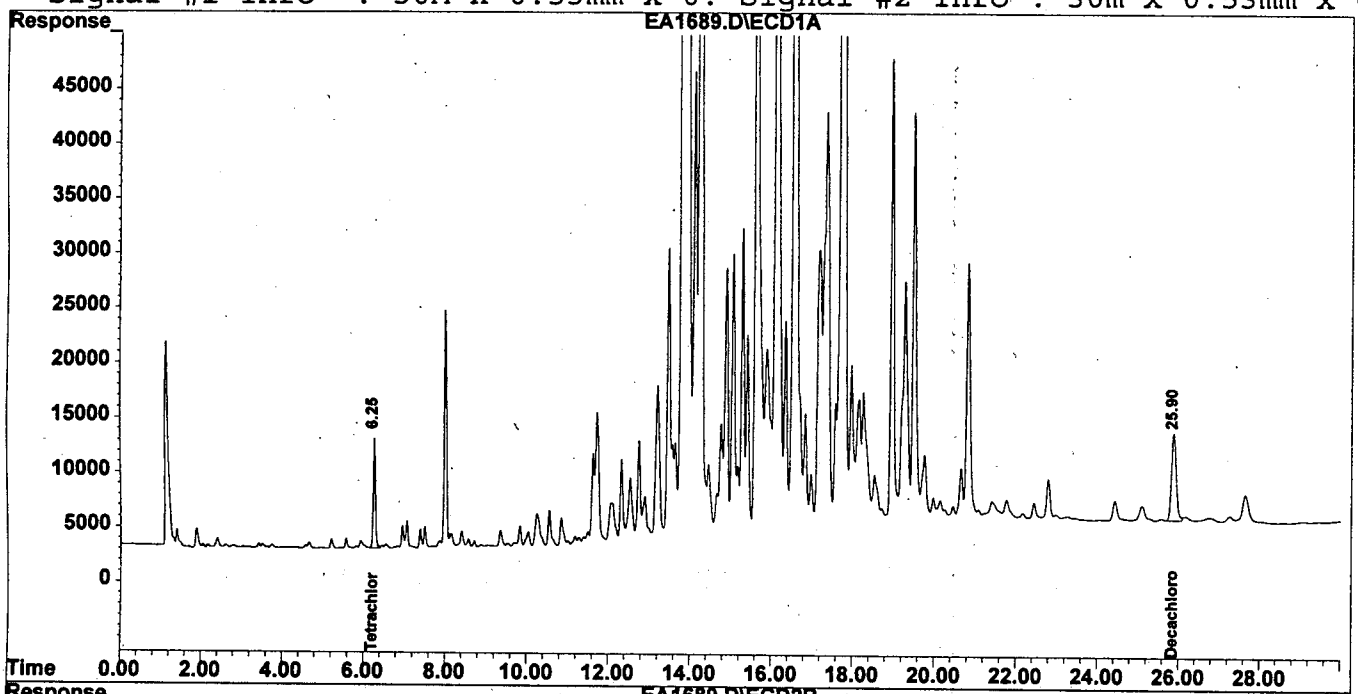
Quantitation Report

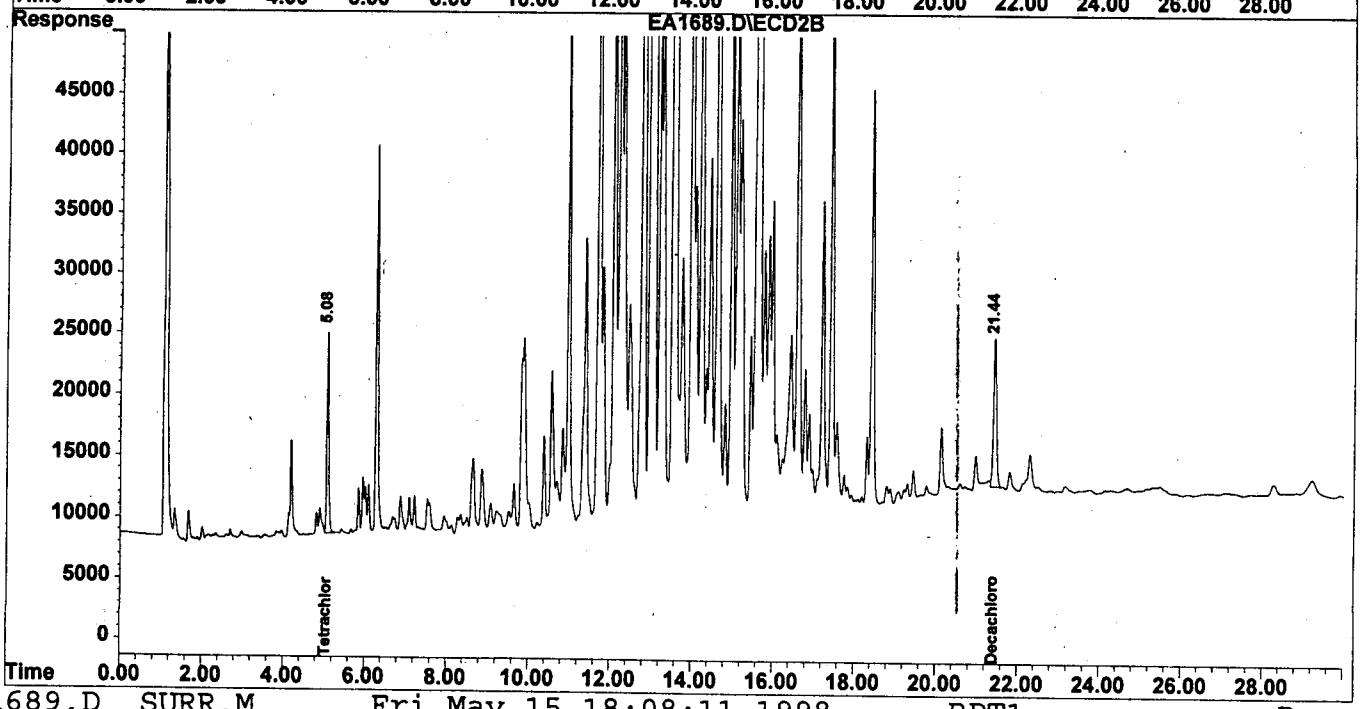
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1689.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDATA\EA1689.D\ECD2B.CH
Acq On : 10 Dec 97 20:54 Operator:
Sample : 278140 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278141
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEEND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	19.72%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	83	58
Aroclor-1232	U	U	42	33
Aroclor-1242	U	U	42	21
Aroclor-1248	U	U	42	25
Aroclor-1254	U	U	42	29
Aroclor-1260	U	U	42	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD2B.CH
Acq On : 10 Dec 97 21:27 Operator:
Sample : 278141 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:08 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	640630	927647	46.565	46.643
Spiked Amount 40.000 Range 43 - 150 Recovery =					116.41%	116.61%
2) SA Decachlorobiphen	25.90	21.44	990821	979746	42.585m	45.088m
Spiked Amount 40.000 Range 24 - 154 Recovery =					106.46%	112.72%
Target Compounds						
3) L1 Aroclor-1016{1}	8.07	0.00	11484	0	34.507	N.D. #
6) L1 Aroclor-1016{4}	11.08	0.00	29202	0	66.036	N.D. #
7) L1 Aroclor-1016{5}	0.00	10.62	0	48141	N.D.	57.144 #
Sum Aroclor-1016			40686	48141	100.544	57.144
Average Aroclor-1016					50.272	57.144
9) L2 Aroclor-1221{2}	7.44	0.00	6367	0	67.099	N.D. #
11) L2 Aroclor-1221{4}	8.07	0.00	11484	0	28.155	N.D. #
Sum Aroclor-1221			17851	0	95.254	N.D.
Average Aroclor-1221					47.627	0.000
12) L3 Aroclor-1232{1}	8.07	0.00	11484	0	39.628	N.D. #
16) L3 Aroclor-1232{5}	13.47	10.62	174274	48141	768.269	126.283 #
Sum Aroclor-1232			185758	48141	807.897	126.283
Average Aroclor-1232					403.949	126.283
17) L4 Aroclor-1242{1}	8.07	0.00	11484	0	44.064	N.D. #
20) L4 Aroclor-1242{4}	11.08	0.00	29202	0	88.024	N.D. #
21) L4 Aroclor-1242{5}	0.00	10.62	0	48141	N.D.	72.779 #
Sum Aroclor-1242			40686	48141	132.088	72.779
Average Aroclor-1242					66.044	72.779
24) L5 Aroclor-1248{3}	0.00	10.62	0	48141	N.D.	51.235 #
25) L5 Aroclor-1248{4}	13.47	0.00	174274	0	245.357	N.D. #
26) L5 Aroclor-1248{5}	0.00	13.55	0	30865	N.D.	87.209 #
Sum Aroclor-1248			174274	79006	245.357	138.444
Average Aroclor-1248					245.357	69.222
29) L6 Aroclor-1254{3}	0.00	12.25	0	38158	N.D.	38.613 #

ONW 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1690.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1690.D\ECD2B.CH
Acq On : 10 Dec 97 21:27 Operator:
Sample : 278141 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	640393	934342	45.025	43.152
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.56%	107.88%
2) SA Decachlorobiphen	25.90	21.44	996035	944253	42.349	41.390m
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.87%	103.48%

Target Compounds

5/18/A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD2B.CH
Acq On : 10 Dec 97 21:27 Operator:
Sample : 278141 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:08 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
30)	L6 Aroclor-1254{4}	16.54	13.55	25873	30865	41.428	22.043	#
31)	L6 Aroclor-1254{5}	17.77	15.62	30885	43230	25.464	31.470	
Sum	Aroclor-1254			56758	112253	66.892	92.126	
Average	Aroclor-1254					33.446 NP	30.709 NP	
33)	L7 Aroclor-1260{2}	16.54	14.64	25873	25771	21.947	17.701	
34)	L7 Aroclor-1260{3}	0.00	15.62	0	43230	N.D.	22.779	#
35)	L7 Aroclor-1260{4}	19.51	0.00	23537	0	12.281	N.D.	#
36)	L7 Aroclor-1260{5}	0.00	18.45	0	126218	N.D.	77.491	#
Sum	Aroclor-1260			49411	195219	34.228	117.971	
Average	Aroclor-1260					17.114 NP	39.324 NP	

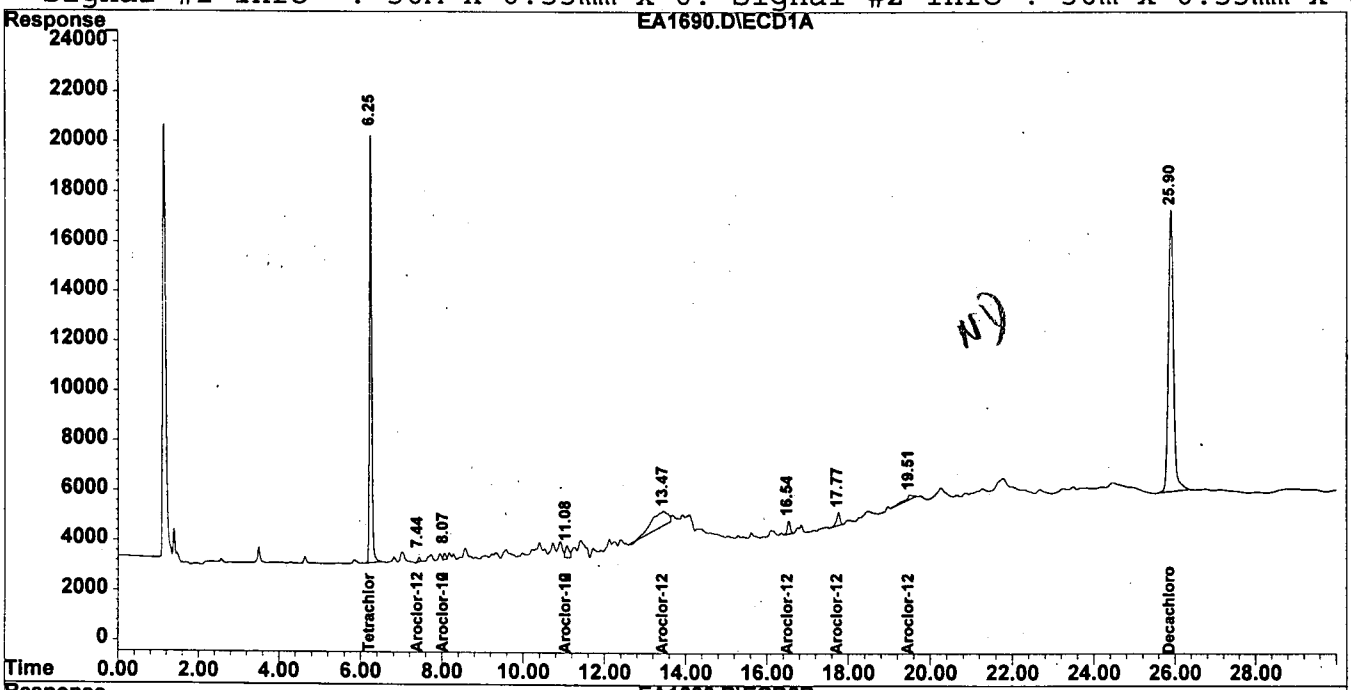
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

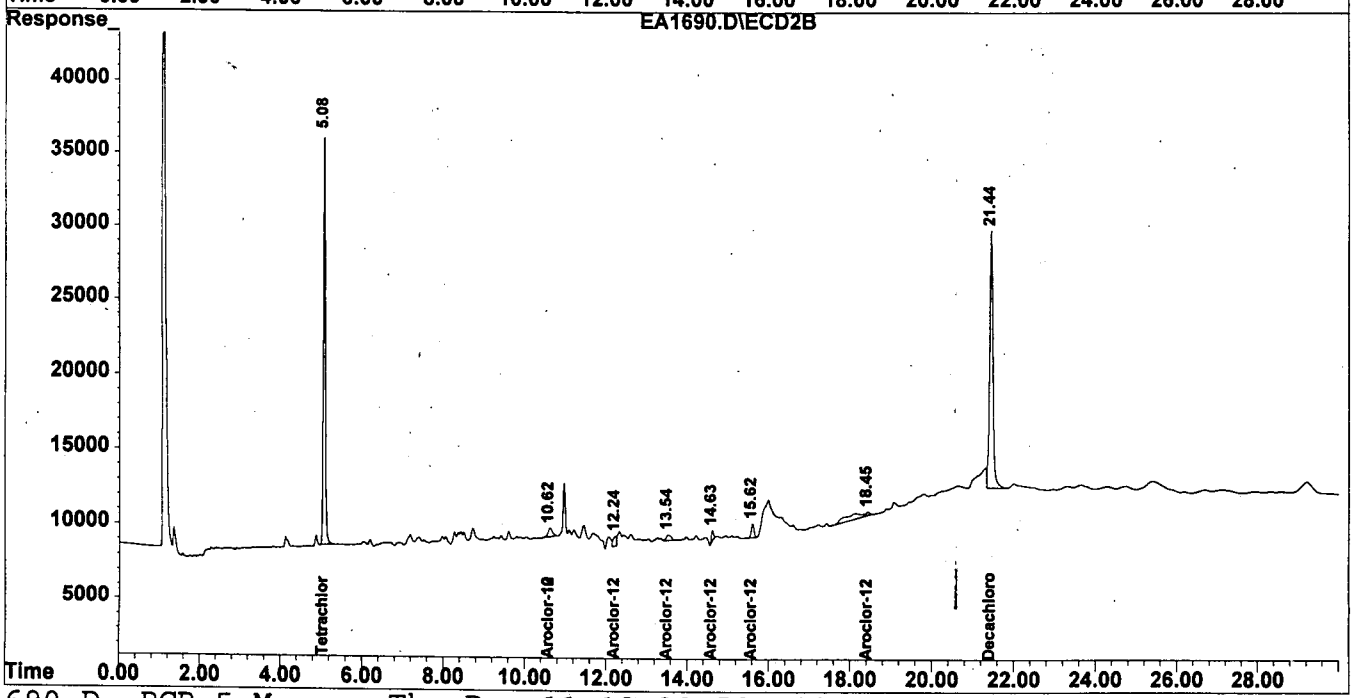
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1690.D\ECD2B.CH
Acq On : 10 Dec 97 21:27 Operator:
Sample : 278141 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:08 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





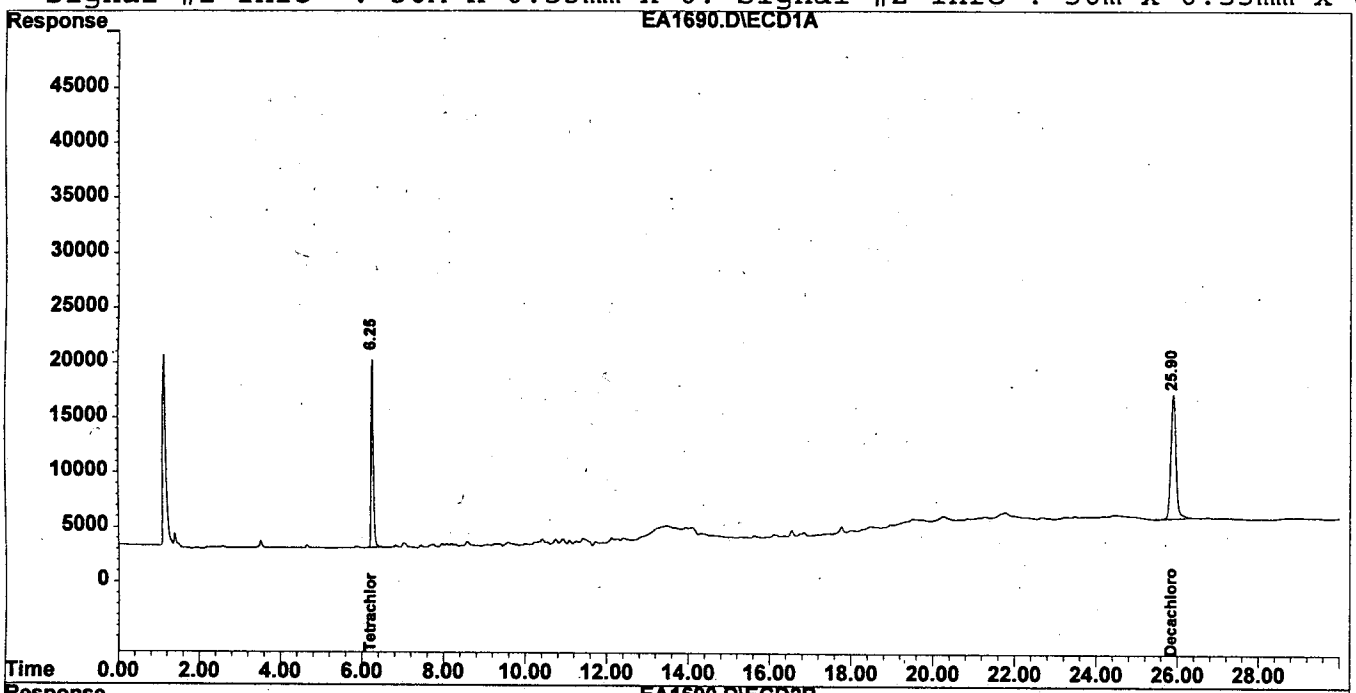
Quantitation Report

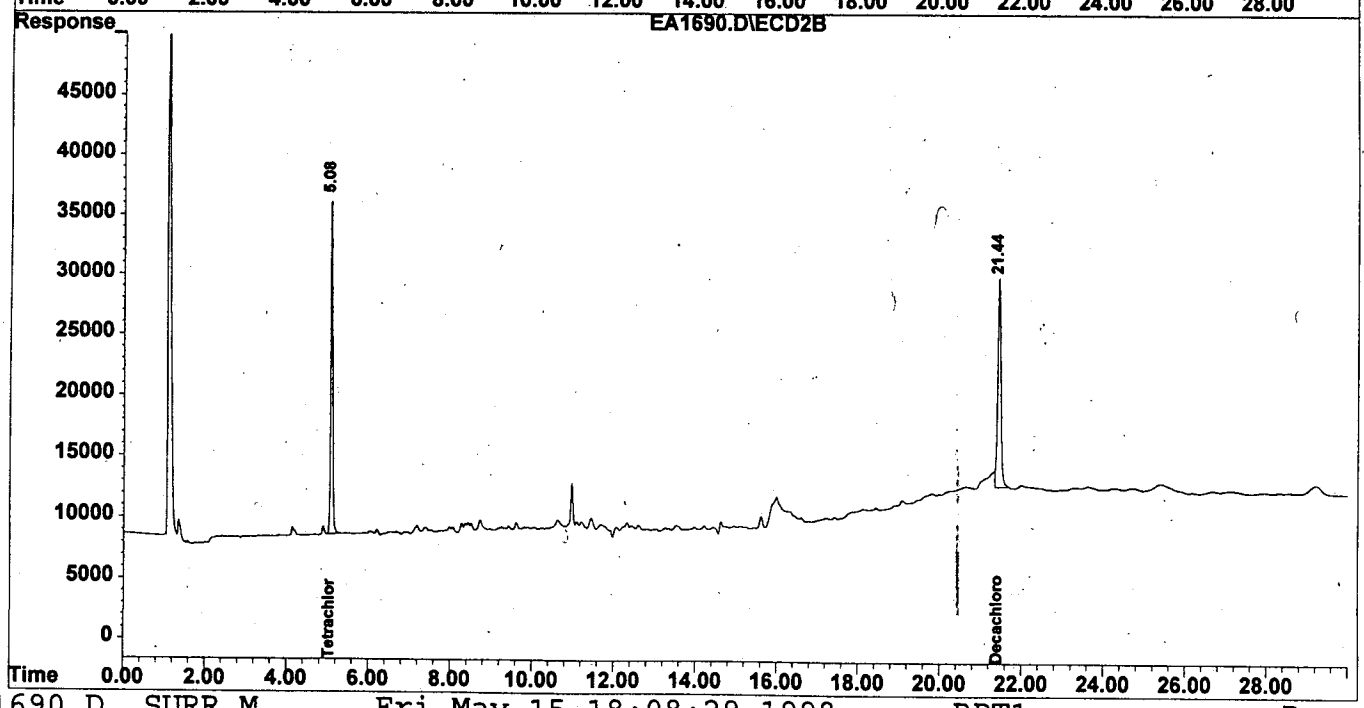
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1690.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1690.D\ECD2B.CH
Acq On : 10 Dec 97 21:27 Operator:
Sample : 278141 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278142
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEESS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	24.6%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	220	110
Aroclor-1221	U	U	440	310
Aroclor-1232	U	U	220	180
Aroclor-1242	U	U	220	110
Aroclor-1248	U	U	220	130
Aroclor-1254	4500	U	220	150
Aroclor-1260	U	U	220	180

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD2B.CH
Acq On : 11 Dec 97 18:47 Operator:
Sample : 278142 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	93883	140455	6.824m	7.062
Spiked Amount 40.000 Range 43 - 150 Recovery =					17.06%#	17.66%#
2) SA Decachlorobiphen	25.89	21.44	189804	257628	8.158m	11.856m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					20.40%#	29.64%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	6.51	403354	41415	1212.001	90.259 #
4) L1 Aroclor-1016{2}	9.36	7.59	55298	183770	81.564	211.019 #
5) L1 Aroclor-1016{3}	10.56	8.86	100704	236366	78.859	127.364 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	260345	N.D.	308.674 #
7) L1 Aroclor-1016{5}	12.55	10.56	258274	466394	395.632	553.622 #
Sum Aroclor-1016			817630	1188289	1768.056	1290.938
Average Aroclor-1016					442.014	258.188
8) L2 Aroclor-1221{1}	5.20	0.00	96258	0	742.363	N.D. #
10) L2 Aroclor-1221{3}	7.85	6.51	17063	41415	123.903	64.663 #
11) L2 Aroclor-1221{4}	7.99	8.86	403354	236366	988.878	1720.927 #
Sum Aroclor-1221			516675	277780	1855.144	1785.590
Average Aroclor-1221					618.381	892.795
12) L3 Aroclor-1232{1}	7.99	6.51	403354	41415	1391.867	100.208 #
13) L3 Aroclor-1232{2}	9.36	7.59	55298	183770	178.066	500.646 #
14) L3 Aroclor-1232{3}	10.56	8.86	100704	236366	198.014	314.148 #
15) L3 Aroclor-1232{4}	12.55	9.20	258274	260345	818.877	771.710
16) L3 Aroclor-1232{5}	13.47	10.56	369726	466394	1629.896	1223.450
Sum Aroclor-1232			1187356	1188289	4216.721	2910.163
Average Aroclor-1232					843.344	582.033
17) L4 Aroclor-1242{1}	7.99	6.51	403354	41415	1547.675	113.563 #
18) L4 Aroclor-1242{2}	9.36	7.59	55298	183770	102.862	283.207 #
19) L4 Aroclor-1242{3}	10.56	8.86	100704	236366	103.602	169.464 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	260345	N.D.	425.465 #
21) L4 Aroclor-1242{5}	12.55	10.56	258274	466394	463.464	705.097 #
Sum Aroclor-1242			817630	1188289	2217.602	1696.795
Average Aroclor-1242					554.401	339.359

249

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1717.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1717.D\ECD2B.CH
Acq On : 11 Dec 97 18:47 Operator:
Sample : 278142 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	93275	133258	6.558m	6.154m
Spiked Amount 40.000 Range 43 - 150 Recovery =					16.40%#	15.39%#
2) SA Decachlorobiphen	25.89	21.44	191272	347675	8.132m	15.240m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					20.33%#	38.10%

Target Compounds

3/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

~~2-5-0A~~ 249A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD2B.CH
Acq On : 11 Dec 97 18:47 Operator:
Sample : 278142 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
2) L5	Aroclor-1248{1}	9.36	7.59	55298	183770	192.335	516.254	#
23) L5	Aroclor-1248{2}	10.56	8.86	100704	236366	120.048	194.938	#
4) L5	Aroclor-1248{3}	12.55	10.56	258274	466394	339.593	496.367	#
5) L5	Aroclor-1248{4}	13.47	10.83	369726	298184	520.530	343.783	#
26) L5	Aroclor-1248{5}	15.63	13.54	2696711	3271679	8123.567	9244.036	
Sum	Aroclor-1248			3480712	4456393	9296.074	10795.378	
verage	Aroclor-1248					1859.215	2159.076	
						no	no	
27) L6	Aroclor-1254{1}	11.63	9.88	362050	1226492	967.725	1989.815	#
8) L6	Aroclor-1254{2}	13.81	11.71	1645400	1833065	2772.799	1484.045	#
9) L6	Aroclor-1254{3}	15.63	12.23	2696711	1639440	2075.452	1658.978	
30) L6	Aroclor-1254{4}	16.55	13.54	1603509	3271679	2567.505	2336.563	
1) L6	Aroclor-1254{5}	17.76	15.61	2965303	3774904	2444.825	2748.014	
Sum	Aroclor-1254			9272972	11745580	10828.307	10217.415	
Average	Aroclor-1254					2165.661	2043.483	
2) L7	Aroclor-1260{1}	16.16	13.98	1159180	1774109	1193.166	1617.054	#
3) L7	Aroclor-1260{2}	16.55	14.62	1603509	1956671	1360.176	1343.950	
34) L7	Aroclor-1260{3}	18.96	15.61	824186	3774904	993.426	1989.072	#
5) L7	Aroclor-1260{4}	19.50	17.44	793642	703641	414.086	315.560	
6) L7	Aroclor-1260{5}	20.83	18.44	469838	568181	300.671	348.833	
Sum	Aroclor-1260			4850356	8777506	4261.524	5614.468	
Average	Aroclor-1260					852.305	1122.894	
						no	no	

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[illegible] 12/13/97

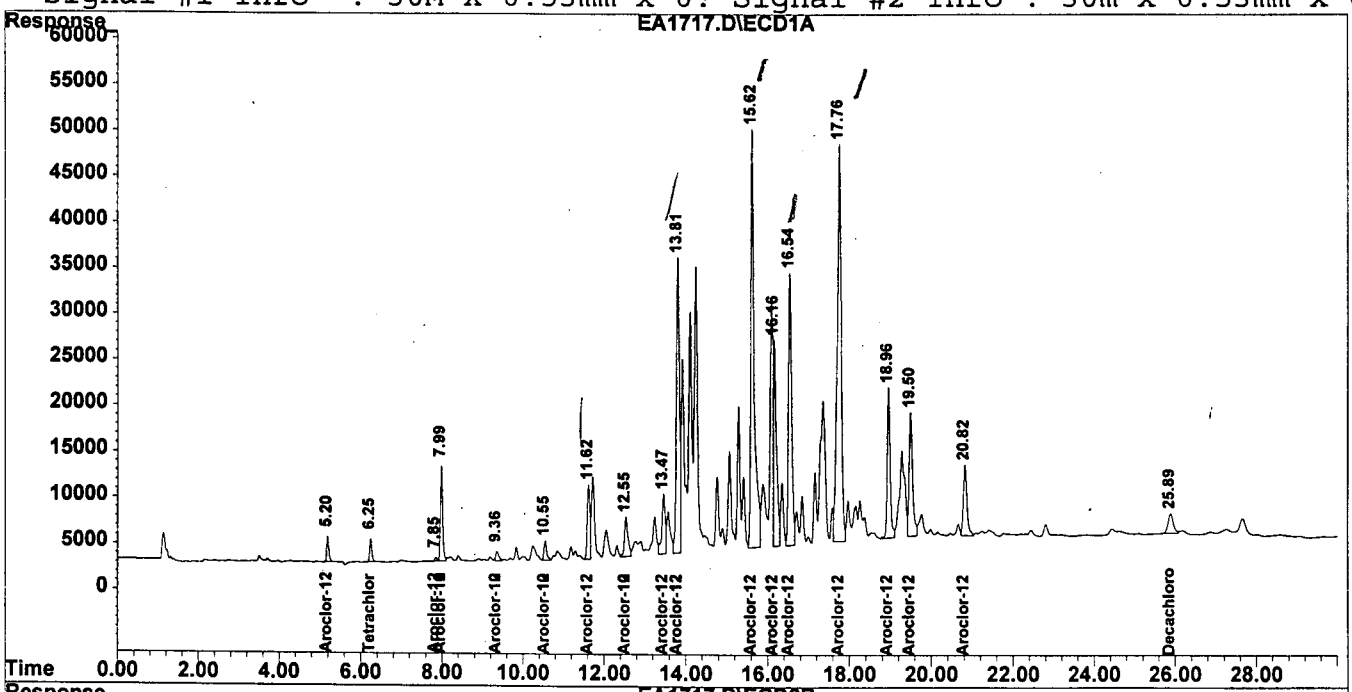
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

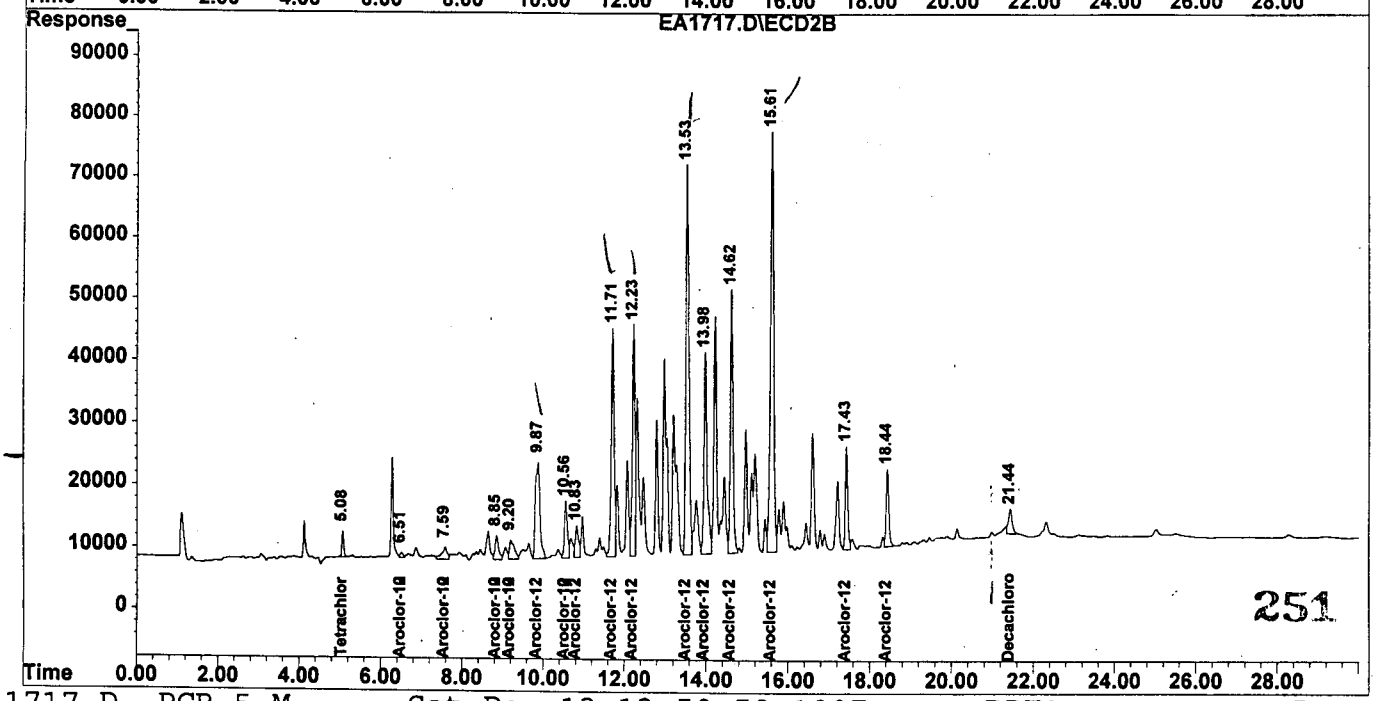
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1717.D\ECD2B.CH
Acq On : 11 Dec 97 18:47 Operator:
Sample : 278142 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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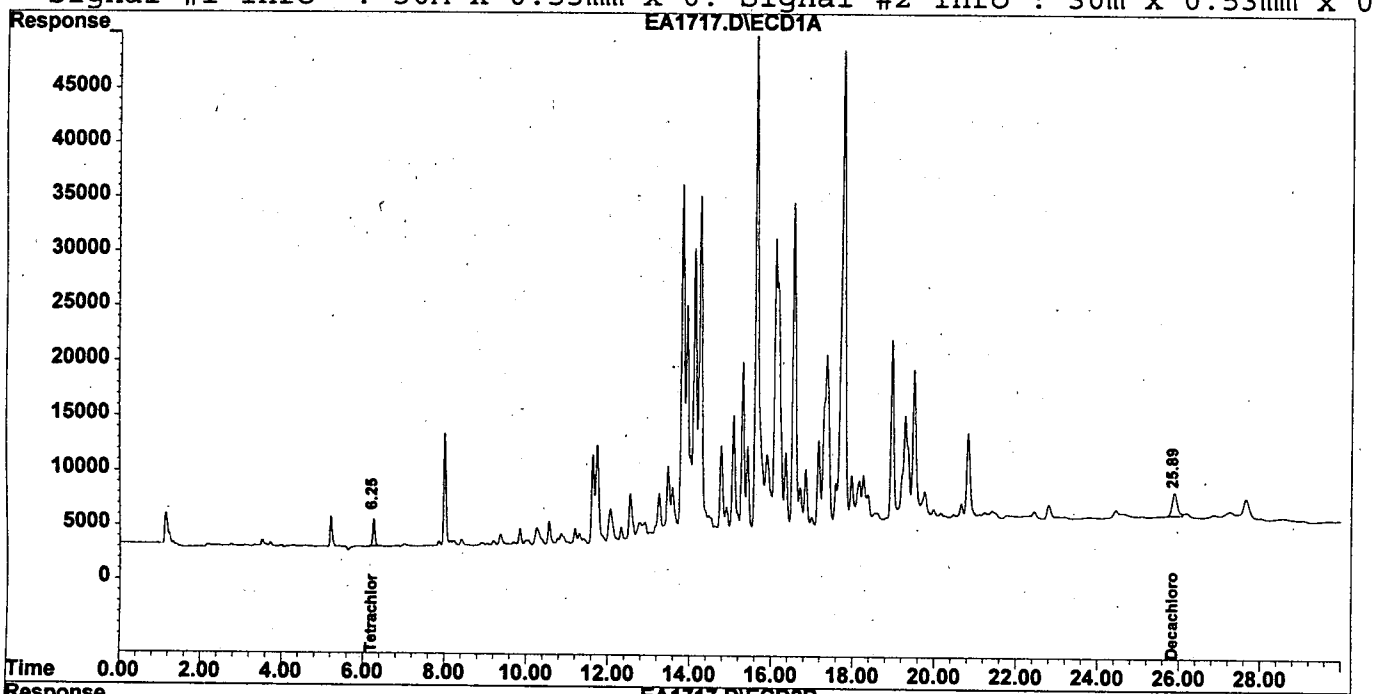
Quantitation Report

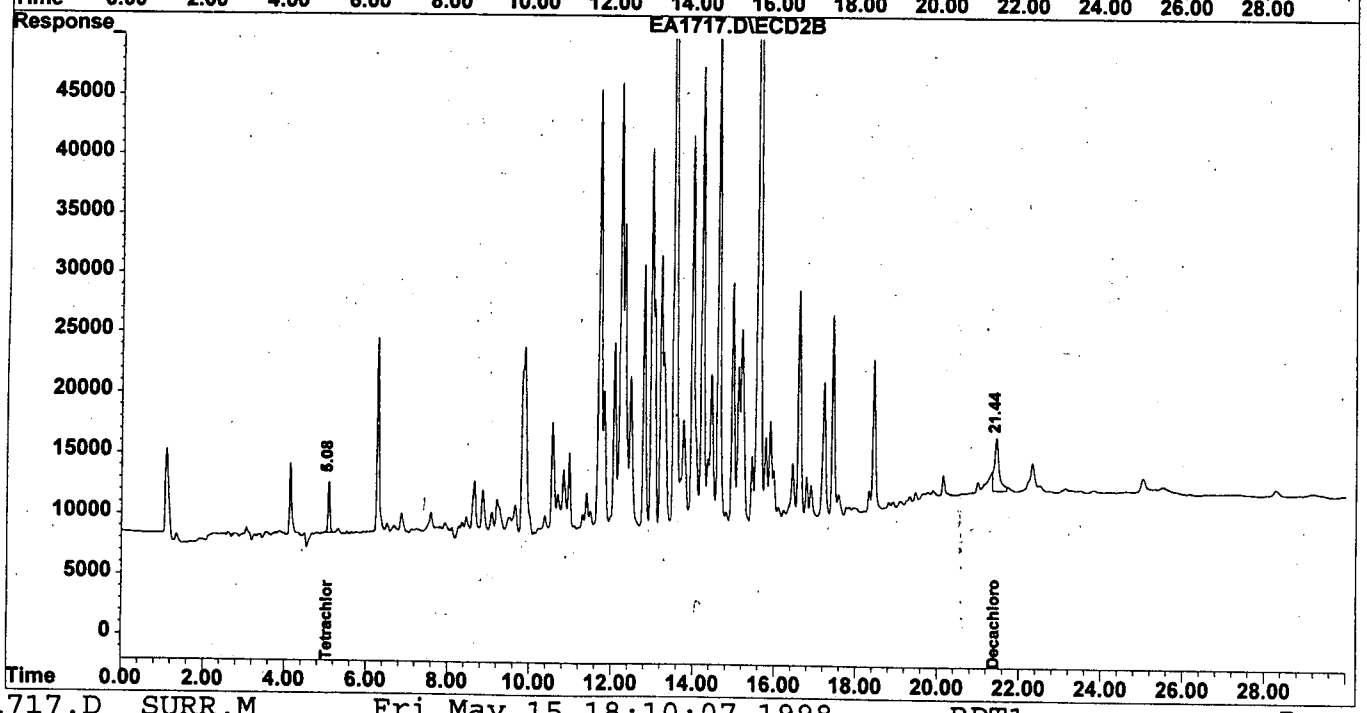
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1717.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1717.D\ECD2B.CH
Acq On : 11 Dec 97 18:47 Operator:
Sample : 278142 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





251A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278143
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEESS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	23.54%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	220	110
Aroclor-1221	U	U	440	300
Aroclor-1232	U	U	220	170
Aroclor-1242	U	U	220	110
Aroclor-1248	U	U	220	130
Aroclor-1254	5200	U	220	150
Aroclor-1260	U	U	220	170

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD2B.CH
Acq On : 11 Dec 97 19:21 Operator:
Sample : 278143 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	111980	159716	8.139	8.031
Spiked Amount 40.000 Range 43 - 150 Recovery =					20.35%#	20.08%#
2) SA Decachlorobiphen	25.89	21.44	168355	171368	7.236	7.886
Spiked Amount 40.000 Range 24 - 154 Recovery =					18.09%#	19.72%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	120283	0	361.427	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	38061	62378	56.139	71.627 #
5) L1 Aroclor-1016{3}	10.55	8.85	97087	186739	76.027	100.623 #
6) L1 Aroclor-1016{4}	0.00	9.25	0	170087	N.D.	201.661 #
7) L1 Aroclor-1016{5}	12.54	10.55	343576	587228	526.300	697.056 #
Sum Aroclor-1016			599007	1006431	1019.894	1070.967
Average Aroclor-1016					254.973	267.742
8) L2 Aroclor-1221{1}	5.20	0.00	14375	0	110.866	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.85	120283	186739	294.890	1359.603 #
Sum Aroclor-1221			134658	186739	405.756	1359.603
Average Aroclor-1221					202.878	1359.603
12) L3 Aroclor-1232{1}	7.99	0.00	120283	0	415.064	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	38061	62378	122.561	169.937 #
14) L3 Aroclor-1232{3}	10.55	8.85	97087	186739	190.903	248.190 #
15) L3 Aroclor-1232{4}	12.54	9.25	343576	170087	1089.333	504.169 #
16) L3 Aroclor-1232{5}	13.46	10.55	375017	587228	1653.223	1540.423
Sum Aroclor-1232			974024	1006431	3471.084	2462.718
Average Aroclor-1232					694.217	615.680
17) L4 Aroclor-1242{1}	7.99	0.00	120283	0	461.527	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	38061	62378	70.799	96.130 #
19) L4 Aroclor-1242{3}	10.55	8.85	97087	186739	99.881	133.883 #
20) L4 Aroclor-1242{4}	0.00	9.25	0	170087	N.D.	277.962 #
21) L4 Aroclor-1242{5}	12.54	10.55	343576	587228	616.635	887.774 #
Sum Aroclor-1242			599007	1006431	1248.742	1395.750
Average Aroclor-1242					312.186	348.937

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12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1718.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDATA\EA1718.D\ECD2B.CH
Acq On : 11 Dec 97 19:21 Operator:
Sample : 278143 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	111980	161725	7.873	7.469
Spiked Amount 40.000 Range 43 - 150 Recovery =					19.68%#	18.67%#
2) SA Decachlorobiphen	25.89	21.44	177333	185784	7.540	8.144
Spiked Amount 40.000 Range 24 - 154 Recovery =					18.85%#	20.36%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD2B.CH
Acq On : 11 Dec 97 19:21 Operator:
Sample : 278143 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.59	38061	62378	132.382	175.234	#
23)	L5 Aroclor-1248{2}	10.55	8.85	97087	186739	115.737	154.009	#
24)	L5 Aroclor-1248{3}	12.54	10.55	343576	587228	451.753	624.967	#
25)	L5 Aroclor-1248{4}	13.46	10.83	375017	338537	527.980	390.306	#
26)	L5 Aroclor-1248{5}	15.62	13.53	3123041	3732226	9407.844	10545.298	
	Sum Aroclor-1248			3976782	4907107	10635.696	11889.814	
	Average Aroclor-1248					2127.139	2377.963	
27)	L6 Aroclor-1254{1}	11.62	9.87	476739	1881650	1274.278	3052.720	#
28)	L6 Aroclor-1254{2}	13.81	11.71	1611217	2171595	2715.195	1758.118	#
29)	L6 Aroclor-1254{3}	15.62	12.23	3123041	1791980	2403.566	1813.336	
30)	L6 Aroclor-1254{4}	16.54	13.53	1772078	3732226	2837.415	2665.476	
31)	L6 Aroclor-1254{5}	17.76	15.61	3284941	4115974	2708.359	2996.302	
	Sum Aroclor-1254			10268016	13693425	11938.813	12285.952	
	Average Aroclor-1254					2387.763	2457.190	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1950940	N.D.	1778.230	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1772078	2138999	1503.164	1469.183	
34)	L7 Aroclor-1260{3}	18.96	15.61	888242	4115974	1070.637	2168.788	#
35)	L7 Aroclor-1260{4}	19.50	17.43	805123	779583	420.076	349.618	
36)	L7 Aroclor-1260{5}	20.82	18.44	520300	608450	332.963	373.556	
	Sum Aroclor-1260			3985743	9593945	3326.840	6139.374	
	Average Aroclor-1260					831.710	1227.875	

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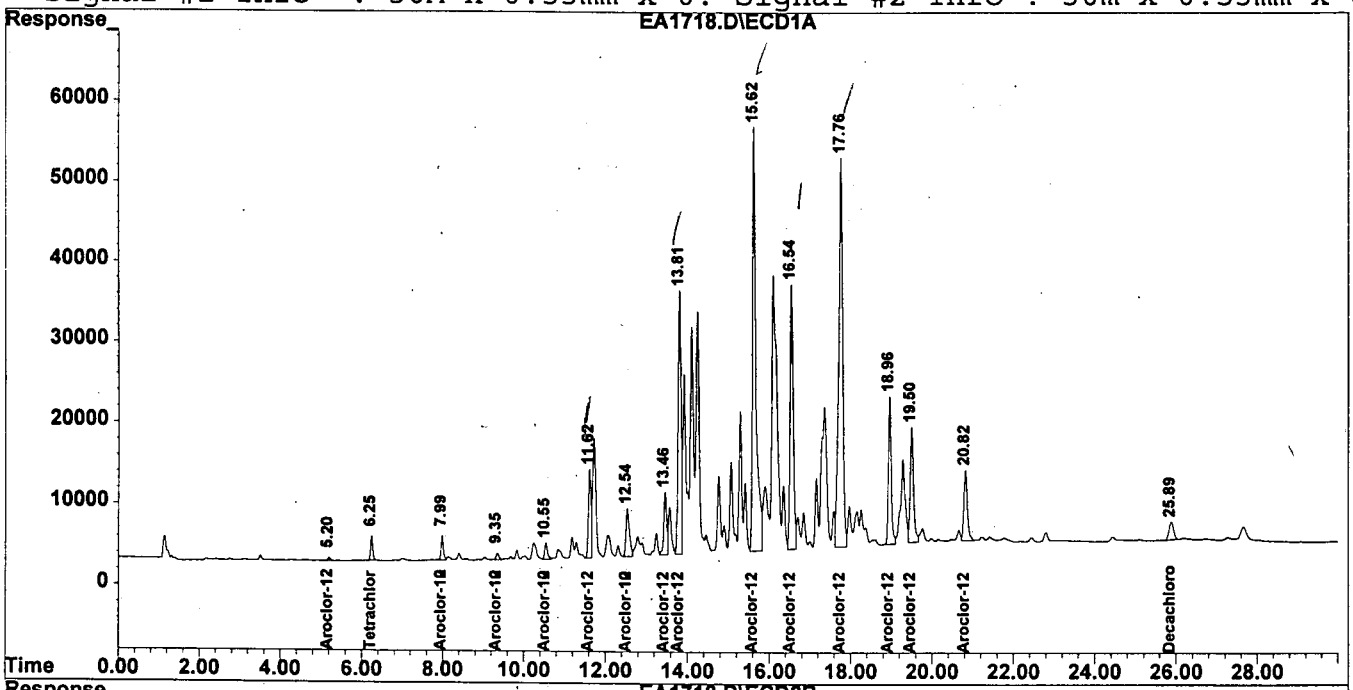
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

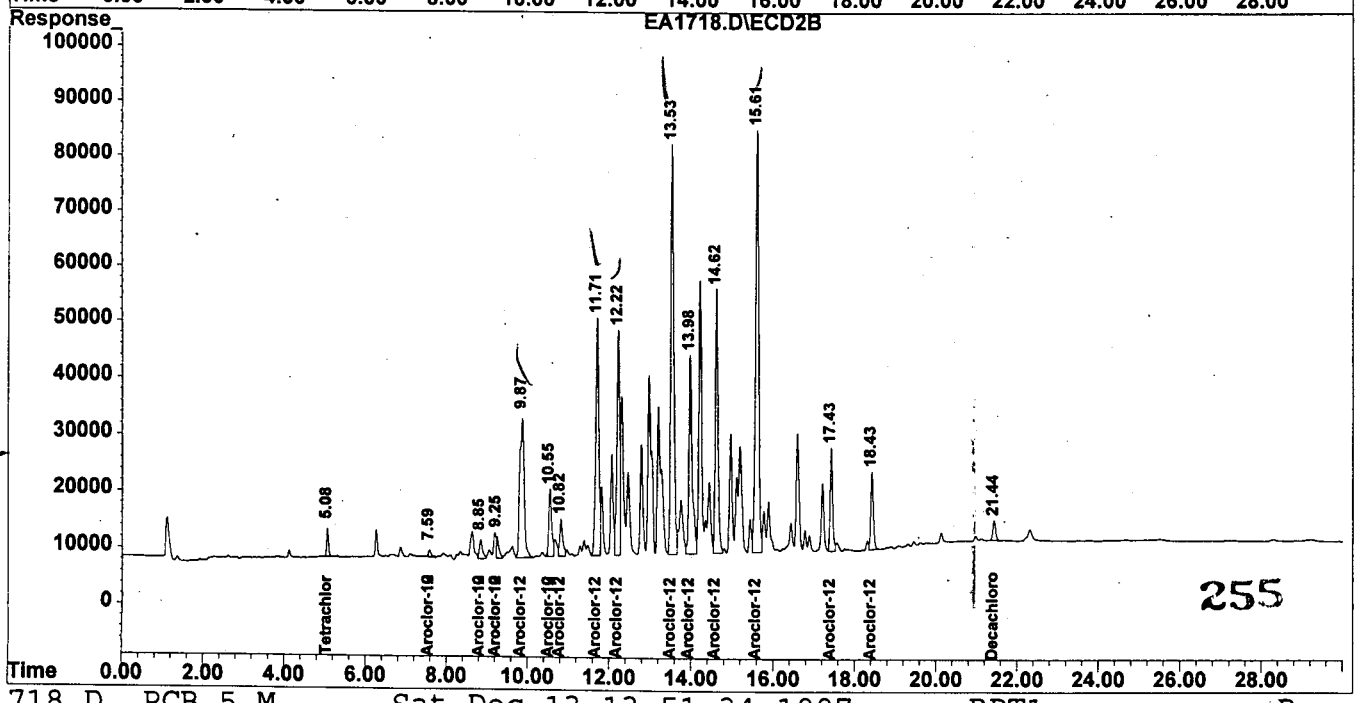
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1718.D\ECD2B.CH
Acq On : 11 Dec 97 19:21 Operator:
Sample : 278143 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





255

Quantitation Report

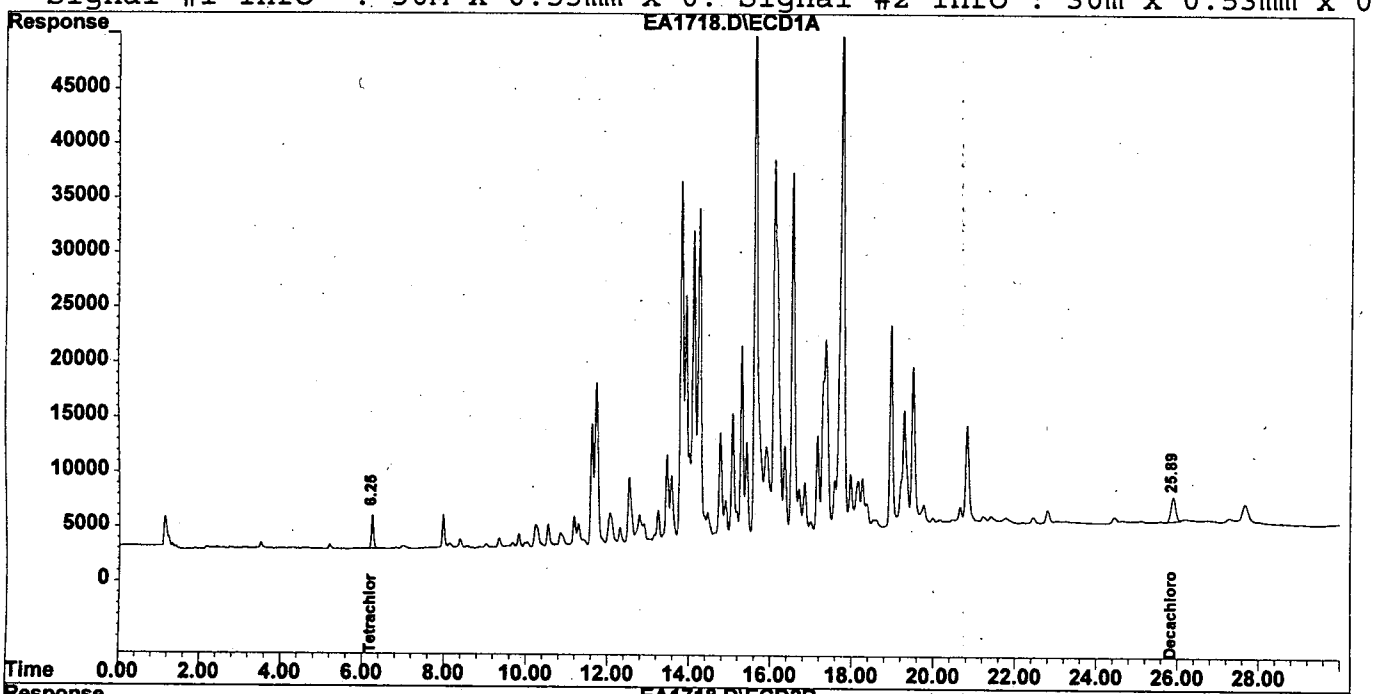
AMENDED REPORT MAY 3 0 1998

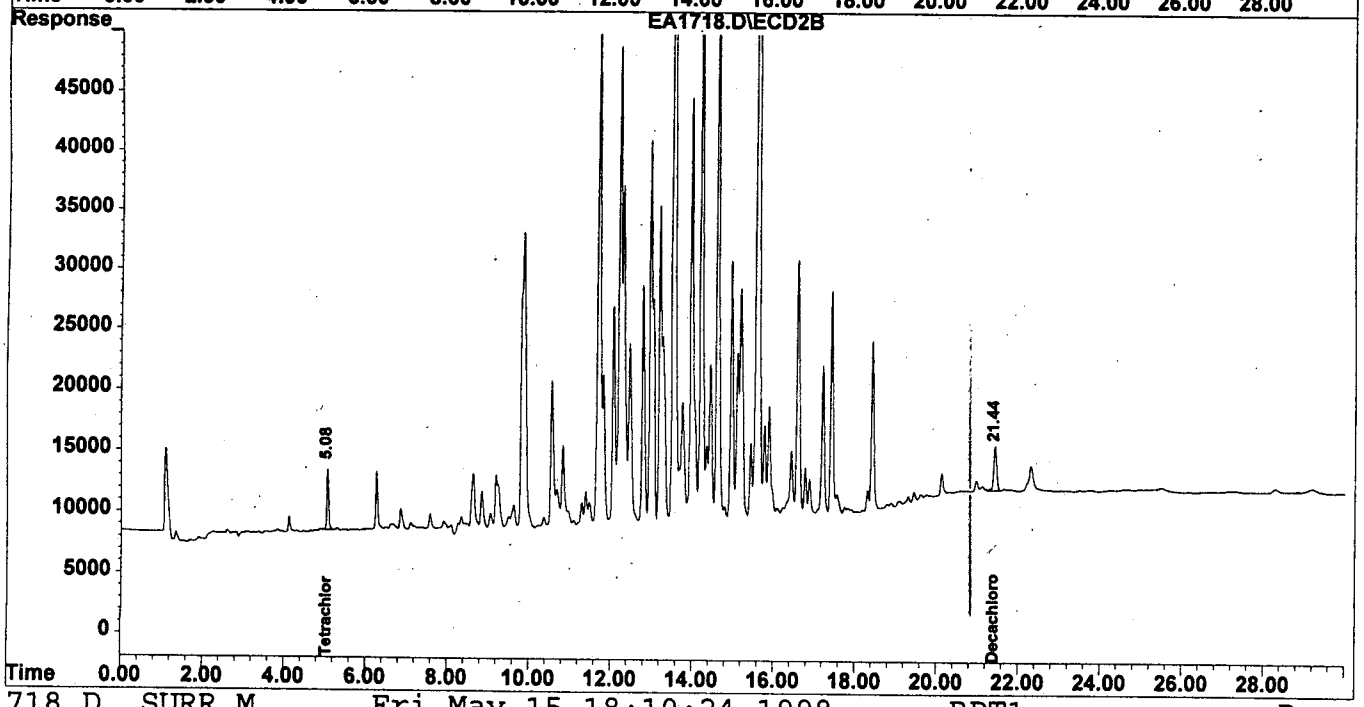
Signal #1 : E:\WESTDATA\EA1718.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1718.D\ECD2B.CH
Acq On : 11 Dec 97 19:21
Sample : 278143 1:5
Misc : QPC7391
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Vial: 14
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





255A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278144
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEESD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	42.17%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	290	140
Aroclor-1221	U	U	580	400
Aroclor-1232	U	U	290	230
Aroclor-1242	U	U	290	140
Aroclor-1248	U	U	290	170
Aroclor-1254	4000	U	290	200
Aroclor-1260	U	U	290	230

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD2B.CH
Acq On : 11 Dec 97 19:55 Operator:
Sample : 278144 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	49218	73580	3.577	3.700
Spiked Amount 40.000 Range 43 - 150 Recovery =					8.94%#	9.25%#
2) SA Decachlorobiphen	25.89	21.43	78756	101575	3.385	4.674 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.46%#	11.69%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	66202	0	198.924	N.D. #
4) L1 Aroclor-1016{2}	9.36	0.00	10695	0	15.774	N.D. #
5) L1 Aroclor-1016{3}	10.56	8.86	29150	46574	22.827	25.096
6) L1 Aroclor-1016{4}	0.00	9.21	0	57685	N.D.	68.394 #
7) L1 Aroclor-1016{5}	12.55	10.56	138783	267780	212.592	317.863 #
Sum Aroclor-1016			244830	372039	450.117	411.352
Average Aroclor-1016					112.529	137.117
11) L2 Aroclor-1221{4}	7.99	8.86	66202	46574	162.303	339.092 #
Sum Aroclor-1221			66202	46574	162.303	339.092
Average Aroclor-1221					162.303	339.092
12) L3 Aroclor-1232{1}	7.99	0.00	66202	0	228.445	N.D. #
13) L3 Aroclor-1232{2}	9.36	0.00	10695	0	34.438	N.D. #
14) L3 Aroclor-1232{3}	10.56	8.86	29150	46574	57.318	61.900
15) L3 Aroclor-1232{4}	12.55	9.21	138783	57685	440.022	170.990 #
16) L3 Aroclor-1232{5}	13.47	10.56	264535	267780	1166.173	702.445 #
Sum Aroclor-1232			509364	372039	1926.396	935.334
Average Aroclor-1232					385.279	311.778
17) L4 Aroclor-1242{1}	7.99	0.00	66202	0	254.017	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	10695	0	19.894	N.D. #
19) L4 Aroclor-1242{3}	10.56	8.86	29150	46574	29.989	33.391
20) L4 Aroclor-1242{4}	0.00	9.21	0	57685	N.D.	94.271 #
21) L4 Aroclor-1242{5}	12.55	10.56	138783	267780	249.041	404.832 #
Sum Aroclor-1242			244830	372039	552.941	532.494
Average Aroclor-1242					138.235	177.498
22) L5 Aroclor-1248{1}	9.36	0.00	10695	0	37.198	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1719.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1719.D\ECD2B.CH
Acq On : 11 Dec 97 19:55 Operator:
Sample : 278144 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:38 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	49218	72254	3.460	3.337
Spiked Amount 40.000 Range 43 - 150 Recovery =					8.65%#	8.34%#
2) SA Decachlorobiphen	25.89	21.43	80960	104834	3.442	4.595m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.61%#	11.49%#
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD2B.CH
Acq On : 11 Dec 97 19:55 Operator:
Sample : 278144 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23)	L5 Aroclor-1248{2}	10.56	8.86	29150	46574	34.750	38.411	
24)	L5 Aroclor-1248{3}	12.55	10.56	138783	267780	182.480	284.990	#
25)	L5 Aroclor-1248{4}	13.47	10.83	264535	170739	372.434	196.849	#
26)	L5 Aroclor-1248{5}	15.62	13.53	2206576	2759577	6647.087	7797.106	
	Sum Aroclor-1248			2649739	3244670	7273.948	8317.356	
Average	Aroclor-1248					1454.790	2079.339	
27)	L6 Aroclor-1254{1}	11.63	9.83	340544	434884	910.242	705.540	
28)	L6 Aroclor-1254{2}	13.82	11.71	1000902	1613207	1686.703	1306.049	
29)	L6 Aroclor-1254{3}	15.62	12.23	2206576	1182272	1698.233	1196.362	#
30)	L6 Aroclor-1254{4}	16.54	13.53	1008699	2759577	1615.108	1970.831	
31)	L6 Aroclor-1254{5}	17.76	15.61	1913657	2387095	1577.767	1737.732	
	Sum Aroclor-1254			6470379	8377035	7488.054	6916.514	
Average	Aroclor-1254					1497.611	1383.303	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1339354	N.D.	1220.786	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1008699	1275842	855.629	876.319	
34)	L7 Aroclor-1260{3}	18.96	15.61	485365	2387095	585.032	1257.807	#
35)	L7 Aroclor-1260{4}	19.50	17.44	392375	418465	204.723	187.668	
36)	L7 Aroclor-1260{5}	20.82	18.44	262180	320932	167.781	197.035	
	Sum Aroclor-1260			2148620	5741688	1813.164	3739.615	
Average	Aroclor-1260					453.291	747.923	

QC 258

12/13/97

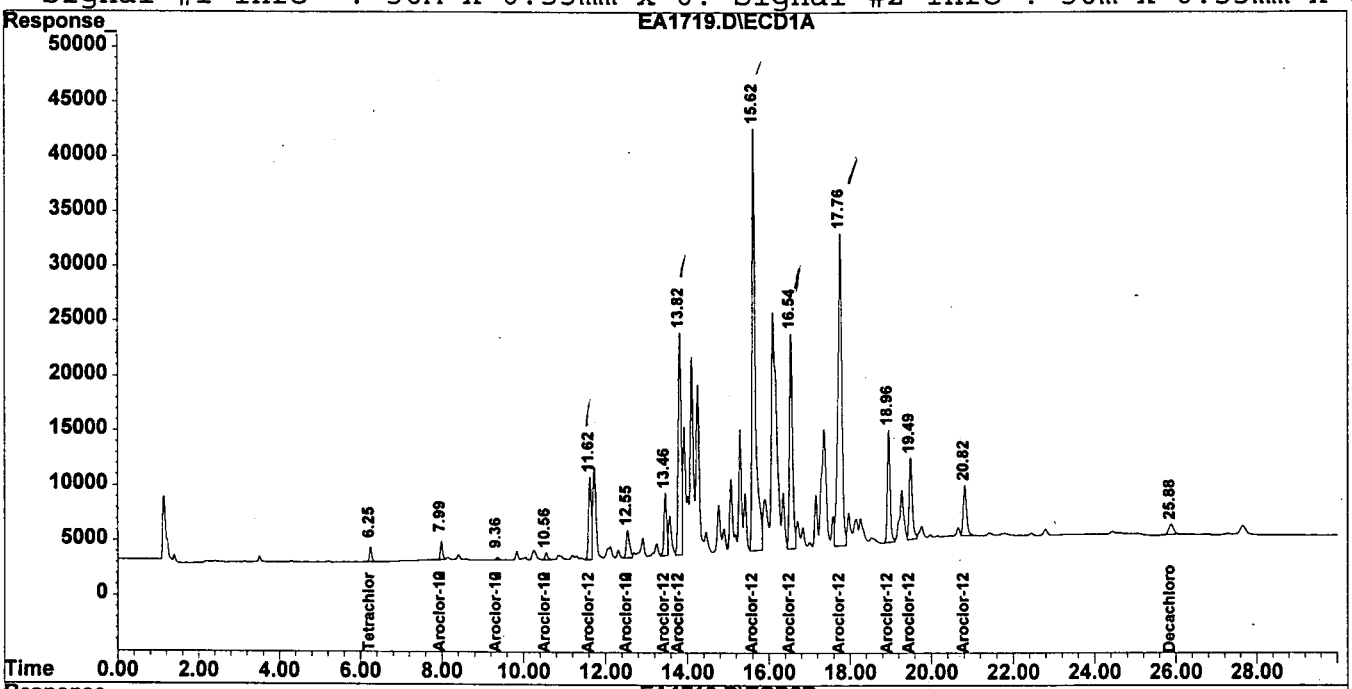
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

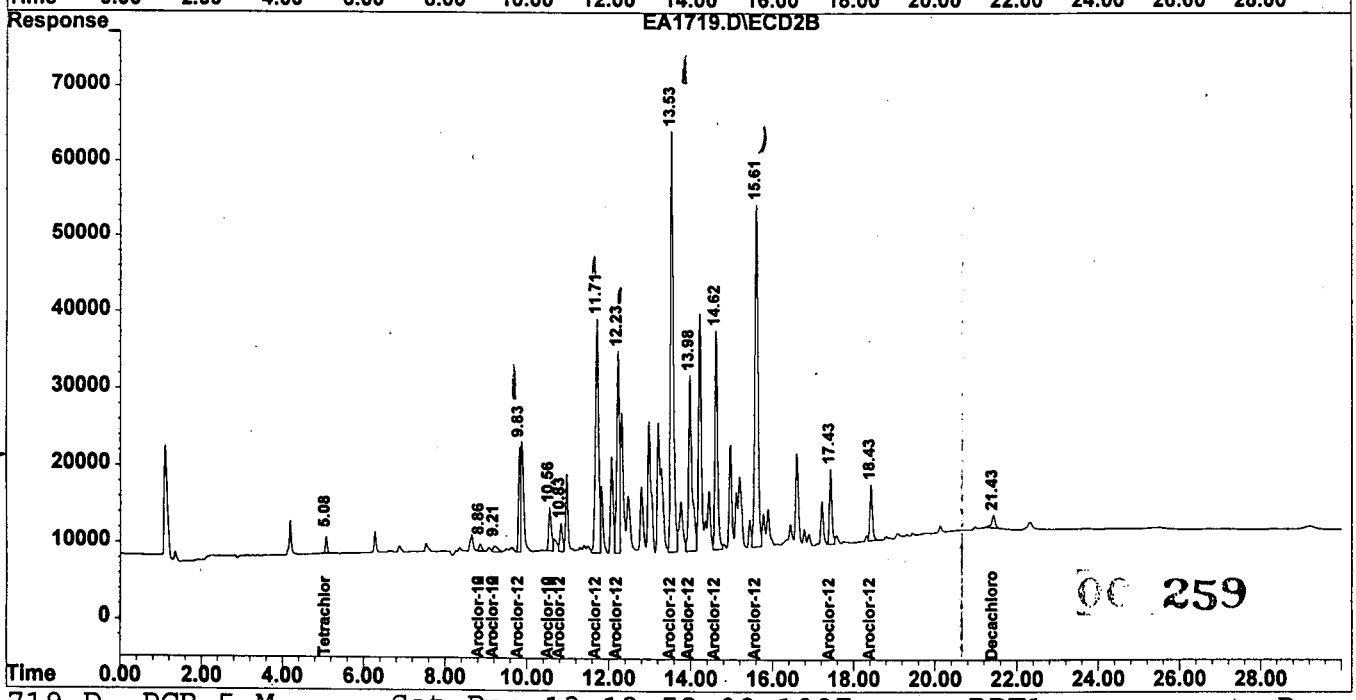
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1719.D\ECD2B.CH
Acq On : 11 Dec 97 19:55 Operator:
Sample : 278144 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





QC 259

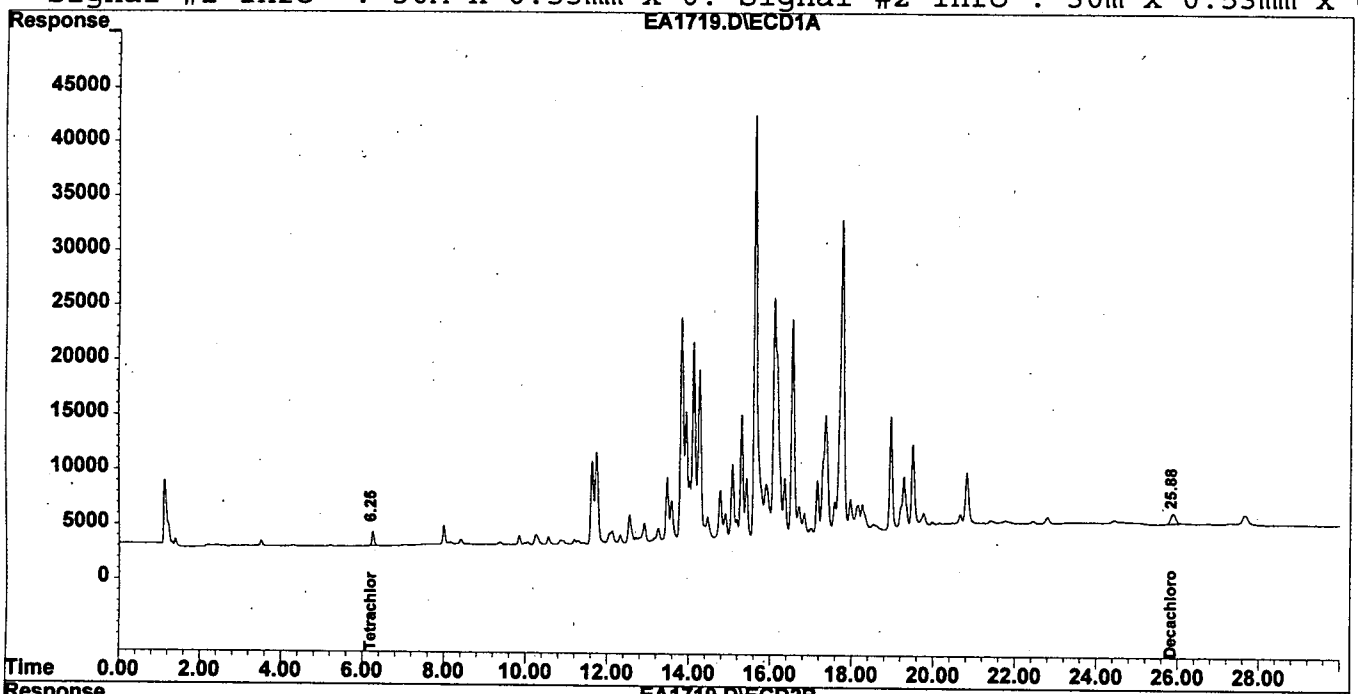
Quantitation Report

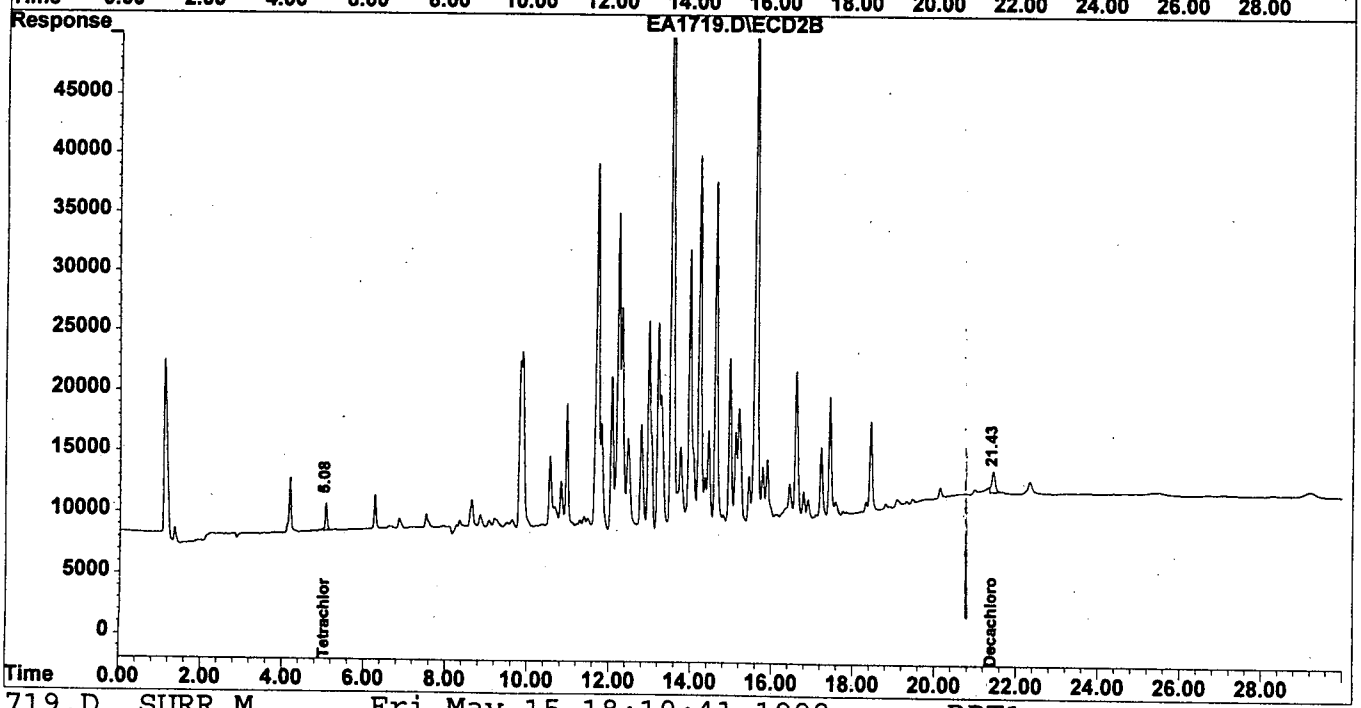
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1719.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1719.D\ECD2B.CH
Acq On : 11 Dec 97 19:55 Operator:
Sample : 278144 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:38 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





259A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278145
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEESD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	25.14%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	440	220
Aroclor-1221	U	U	890	620
Aroclor-1232	U	U	440	360
Aroclor-1242	U	U	440	220
Aroclor-1248	U	U	440	270
Aroclor-1254	7900	U	440	310
Aroclor-1260	U	U	440	360

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD2B.CH
Acq On : 11 Dec 97 20:29 Operator:
Sample : 278145 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	59487	92400	4.324	4.646
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.81%#	11.62%#
2) SA Decachlorobiphen	25.90	21.44	109268	119485	4.696	5.499m
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.74%#	13.75%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	186855	0	561.462	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	25152	85267	37.099	97.910 #
5) L1 Aroclor-1016{3}	10.56	8.86	64288	185618	50.343	100.020 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	204094	N.D.	241.980 #
7) L1 Aroclor-1016{5}	12.55	10.56	212103	418483	324.907	496.751 #
Sum Aroclor-1016			488398	893462	973.810	936.661
Average Aroclor-1016					243.453	234.165
8) L2 Aroclor-1221{1}	5.20	0.00	15347	0	118.359	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	186855	185618	458.100	1351.447 #
Sum Aroclor-1221			202202	185618	576.459	1351.447
Average Aroclor-1221					288.229	1351.447
12) L3 Aroclor-1232{1}	7.99	0.00	186855	0	644.785	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	25152	85267	80.992	232.294 #
14) L3 Aroclor-1232{3}	10.56	8.86	64288	185618	126.411	246.701 #
15) L3 Aroclor-1232{4}	12.55	9.20	212103	204094	672.489	604.971
16) L3 Aroclor-1232{5}	13.47	10.56	341800	418483	1506.788	1097.769 #
Sum Aroclor-1232			830198	893462	3031.465	2181.736
Average Aroclor-1232					606.293	545.434
17) L4 Aroclor-1242{1}	7.99	0.00	186855	0	716.963	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	25152	85267	46.786	131.405 #
19) L4 Aroclor-1242{3}	10.56	8.86	64288	185618	66.138	133.080 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	204094	N.D.	333.536 #
21) L4 Aroclor-1242{5}	12.55	10.56	212103	418483	380.612	632.665 #
Sum Aroclor-1242			488398	893462	1210.500	1230.686
Average Aroclor-1242					302.625	307.672

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1720.D\ECD1A.CH Vial: 16
Signal #2 : E:\WESTDATA\EA1720.D\ECD2B.CH
Acq On : 11 Dec 97 20:29 Operator:
Sample : 278145 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:38 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	59487	100136	4.182	4.625
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.46%#	11.56%#
2) SA Decachlorobiphen	25.90	21.44	137291	128696	5.837	5.641m
Spiked Amount 40.000 Range 24 - 154 Recovery =					14.59%#	14.10%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD2B.CH
Acq On : 11 Dec 97 20:29 Operator:
Sample : 278145 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.59	25152	85267	87.482	239.536	#
23)	L5 Aroclor-1248{2}	10.56	8.86	64288	185618	76.638	153.085	#
24)	L5 Aroclor-1248{3}	12.55	10.56	212103	418483	278.885	445.377	#
25)	L5 Aroclor-1248{4}	13.47	10.83	341800	280094	481.214	322.927	#
26)	L5 Aroclor-1248{5}	15.63	13.54	2599485	3271484	7830.684	9243.485	
	Sum Aroclor-1248			3242828	4240947	8754.903	10404.410	
	Average Aroclor-1248					1750.981	2080.882	
27)	L6 Aroclor-1254{1}	11.63	9.83	354331	465209	947.092	754.738	
28)	L6 Aroclor-1254{2}	13.81	11.71	1538965	1778107	2593.437	1439.551	#
29)	L6 Aroclor-1254{3}	15.63	12.23	2599485	1526026	2000.625	1544.213	
30)	L6 Aroclor-1254{4}	16.55	13.54	1703939	3271484	2728.312	2336.424	
31)	L6 Aroclor-1254{5}	17.77	15.61	3074468	3826424	2534.829	2785.519	
	Sum Aroclor-1254			9271188	10867250	10804.295	8860.445	
	Average Aroclor-1254					2160.859	1772.089	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1759629	N.D.	1603.855	#
33)	L7 Aroclor-1260{2}	16.55	14.62	1703939	1998921	1445.366	1372.969	
34)	L7 Aroclor-1260{3}	18.96	15.61	798474	3826424	962.435	2016.218	#
35)	L7 Aroclor-1260{4}	19.50	17.44	690735	705478	360.393	316.384	
36)	L7 Aroclor-1260{5}	20.83	18.44	447755	549370	286.539	337.283	
	Sum Aroclor-1260			3640904	8839821	3054.733	5646.711	
	Average Aroclor-1260					763.683	1129.342	

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12/13/97

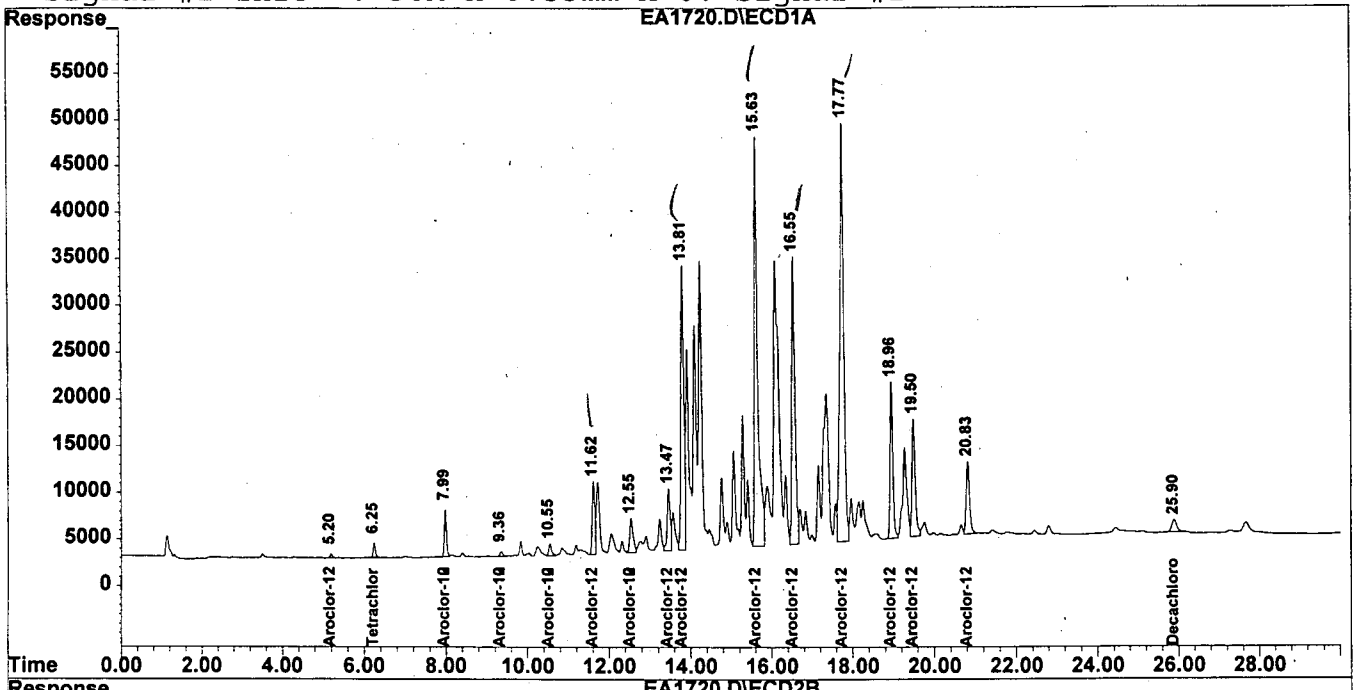
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

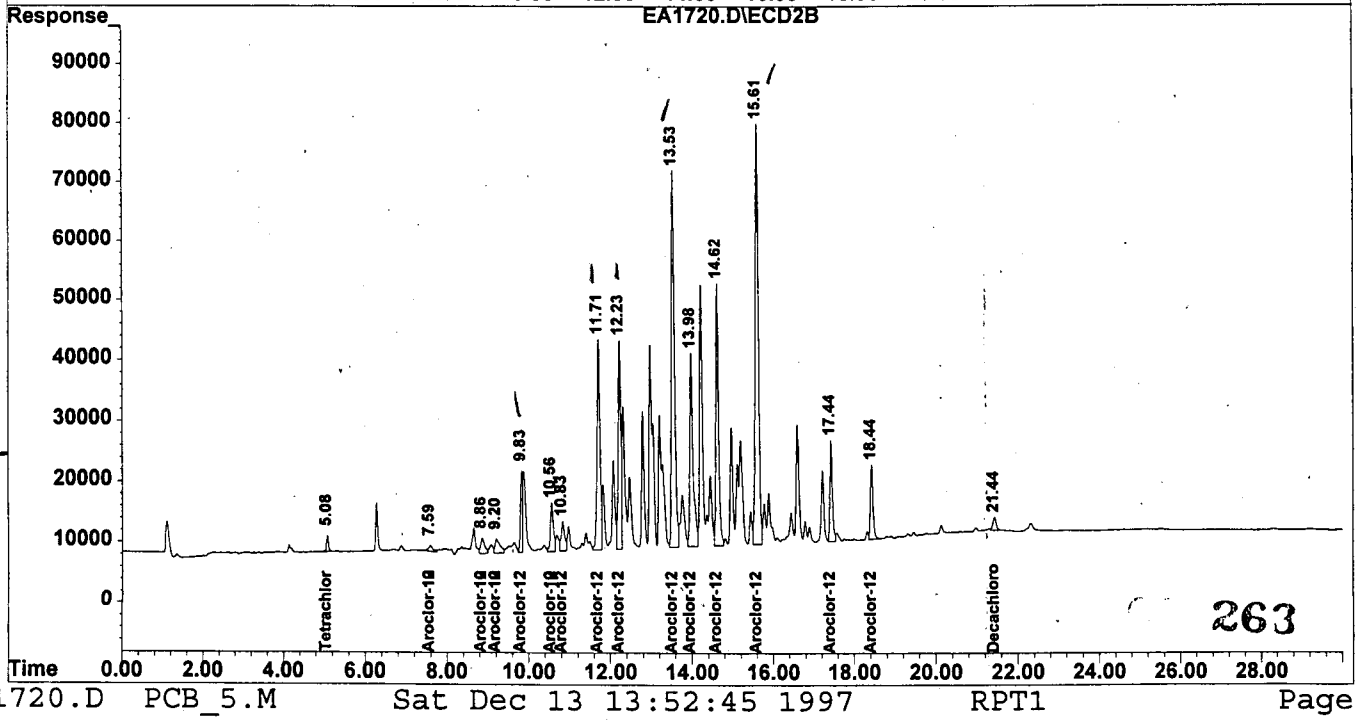
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1720.D\ECD2B.CH
Acq On : 11 Dec 97 20:29 Operator:
Sample : 278145 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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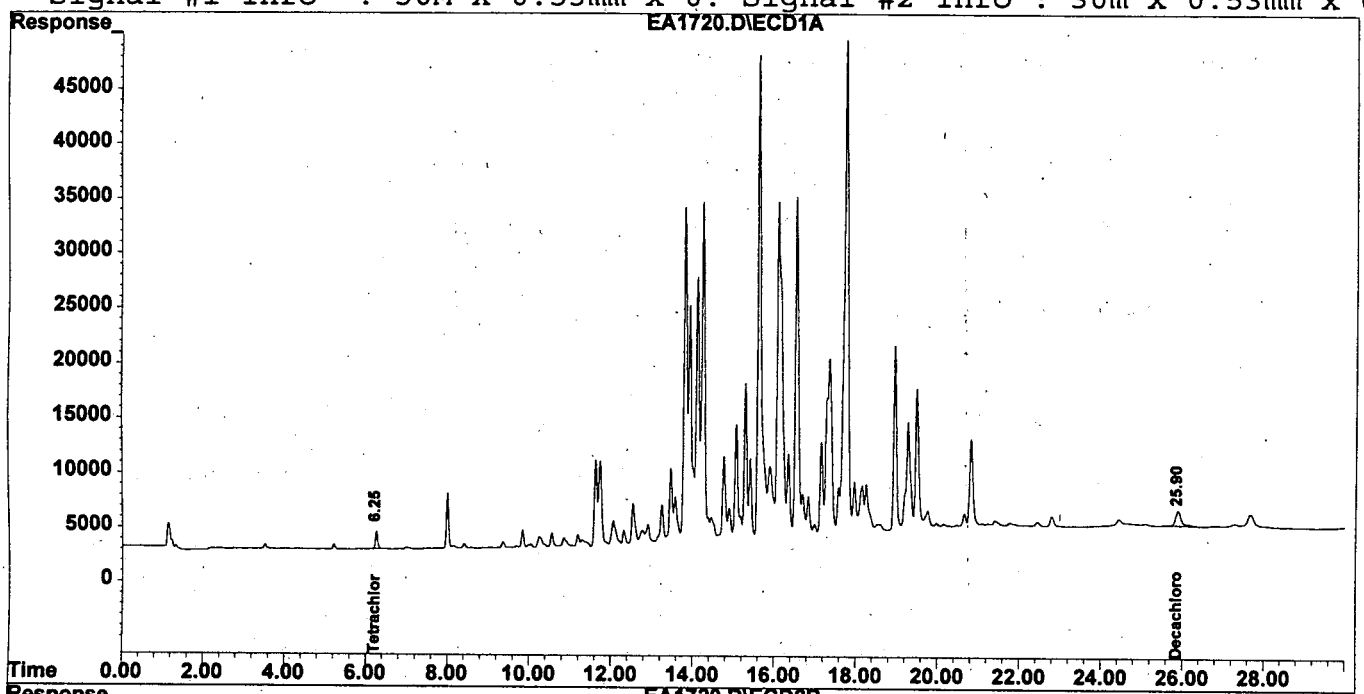
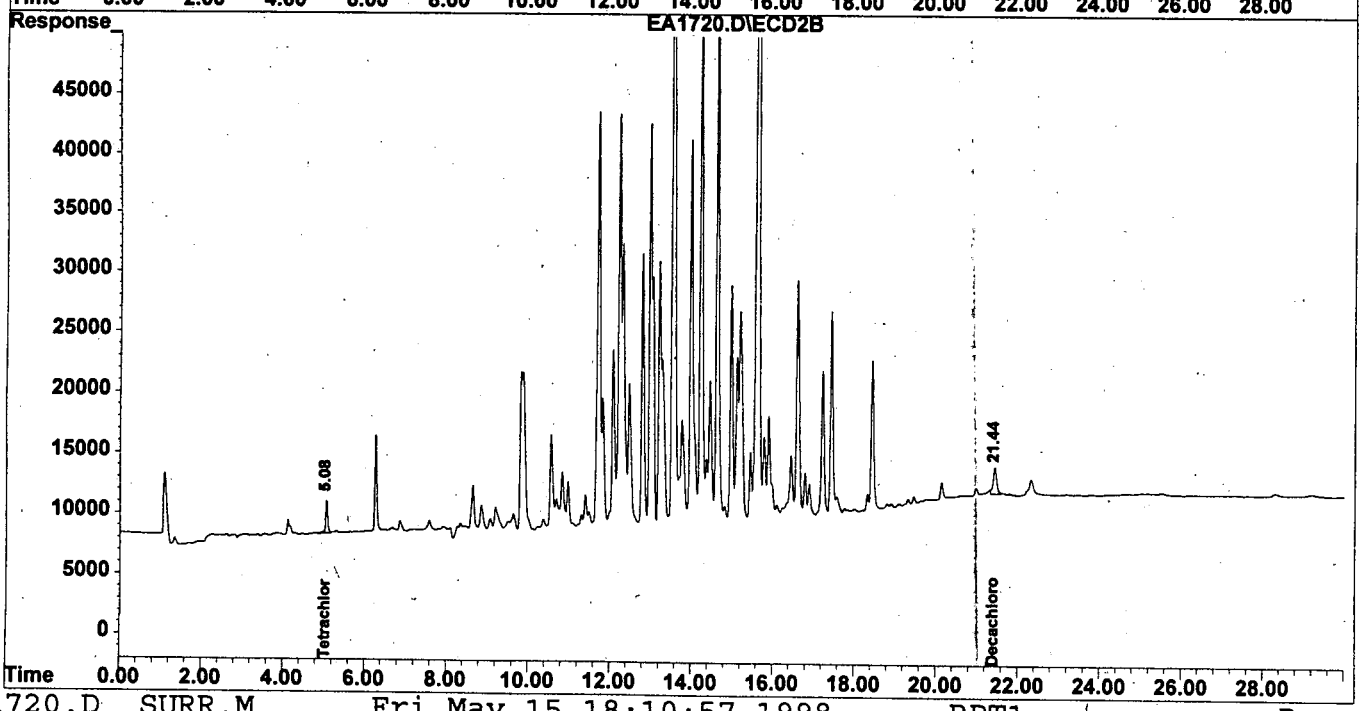
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1720.D\ECD1A.CH Vial: 16
Signal #2 : E:\WESTDATA\EA1720.D\ECD2B.CH
Acq On : 11 Dec 97 20:29 Operator:
Sample : 278145 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:38 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278146
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	46.79%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	310	160
Aroclor-1221	U	U	630	440
Aroclor-1232	U	U	310	250
Aroclor-1242	U	U	310	160
Aroclor-1248	U	U	310	190
Aroclor-1254	4400	U	310	220
Aroclor-1260	U	U	310	250

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD2B.CH
Acq On : 11 Dec 97 21:03 Operator:
Sample : 278146 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	96777	135472	7.034	6.812
Spiked Amount 40.000 Range 43 - 150 Recovery =					17.59%#	17.03%#
2) SA Decachlorobiphen	25.89	21.44	150511	151488	6.469	6.971
Spiked Amount 40.000 Range 24 - 154 Recovery =					16.17%#	17.43%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	62216	0	186.947	N.D. #
4) L1 Aroclor-1016{2}	9.36	0.00	26941	0	39.738	N.D. #
5) L1 Aroclor-1016{3}	10.56	8.86	72324	99641	56.635	53.691
6) L1 Aroclor-1016{4}	0.00	9.20	0	172689	N.D.	204.745 #
7) L1 Aroclor-1016{5}	12.55	10.56	246152	414680	377.063	492.237 #
Sum Aroclor-1016			407633	687010	660.383	750.674
Average Aroclor-1016					165.096	250.225
8) L2 Aroclor-1221{1}	5.20	0.00	18986	0	146.426	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	62216	99641	152.531	725.467 #
Sum Aroclor-1221			81202	99641	298.957	725.467
Average Aroclor-1221					149.478	725.467
12) L3 Aroclor-1232{1}	7.99	0.00	62216	0	214.691	N.D. #
13) L3 Aroclor-1232{2}	9.36	0.00	26941	0	86.754	N.D. #
14) L3 Aroclor-1232{3}	10.56	8.86	72324	99641	142.211	132.431
15) L3 Aroclor-1232{4}	12.55	9.20	246152	172689	780.442	511.881 #
16) L3 Aroclor-1232{5}	13.47	10.56	221212	414680	975.191	1087.794
Sum Aroclor-1232			628845	687010	2199.289	1732.106
Average Aroclor-1232					439.858	577.369
17) L4 Aroclor-1242{1}	7.99	0.00	62216	0	238.724	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	26941	0	50.114	N.D. #
19) L4 Aroclor-1242{3}	10.56	8.86	72324	99641	74.405	71.439
20) L4 Aroclor-1242{4}	0.00	9.20	0	172689	N.D.	282.213 #
21) L4 Aroclor-1242{5}	12.55	10.56	246152	414680	441.710	626.916 #
Sum Aroclor-1242			407633	687010	804.954	980.568
Average Aroclor-1242					201.238	326.856

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1721.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDATA\EA1721.D\ECD2B.CH
Acq On : 11 Dec 97 21:03 Operator:
Sample : 278146 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:38 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	96777	139983	6.804	6.465
Spiked Amount 40.000 Range 43 - 150 Recovery =					17.01%#	16.16%#
2) SA Decachlorobiphen	25.89	21.44	149573	157307	6.359	6.895m
Spiked Amount 40.000 Range 24 - 154 Recovery =					15.90%#	17.24%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD2B.CH
Acq On : 11 Dec 97 21:03 Operator:
Sample : 278146 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	0.00	26941	0	93.705	N.D.	#
23)	L5 Aroclor-1248{2}	10.56	8.86	72324	99641	86.217	82.177	
24)	L5 Aroclor-1248{3}	12.55	10.56	246152	414680	323.654	441.330	#
25)	L5 Aroclor-1248{4}	13.47	10.83	221212	230087	311.441	265.273	
26)	L5 Aroclor-1248{5}	15.63	13.53	2095277	2614562	6311.811	7387.370	
	Sum Aroclor-1248			2661907	3358971	7126.828	8176.150	
	Average Aroclor-1248					1425.366	2044.038	
						no	no	
27)	L6 Aroclor-1254{1}	11.63	9.83	295472	356143	789.769	577.793	#
28)	L6 Aroclor-1254{2}	13.81	11.71	1276231	1479925	2150.683	1198.144	#
29)	L6 Aroclor-1254{3}	15.63	12.23	2095277	1230158	1612.575	1244.819	
30)	L6 Aroclor-1254{4}	16.55	13.53	1236808	2614562	1980.351	1867.264	
31)	L6 Aroclor-1254{5}	17.77	15.61	2200764	2830909	1814.480	2060.814	
	Sum Aroclor-1254			7104553	8511697	8347.858	6948.834	
	Average Aroclor-1254					1669.572	1389.767	
32)	L7 Aroclor-1260{1}	16.16	13.98	907335	1365454	933.937	1244.575	#
33)	L7 Aroclor-1260{2}	16.55	14.62	1236808	1476455	1049.122	1014.111	
34)	L7 Aroclor-1260{3}	18.96	15.61	589356	2830909	710.376	1491.662	#
35)	L7 Aroclor-1260{4}	19.50	17.44	512182	476267	267.233	213.591	
36)	L7 Aroclor-1260{5}	20.83	18.44	344180	408938	220.256	251.066	
	Sum Aroclor-1260			3589861	6558023	3180.923	4215.004	
	Average Aroclor-1260					636.185	843.001	
						no	no	

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12/13/97

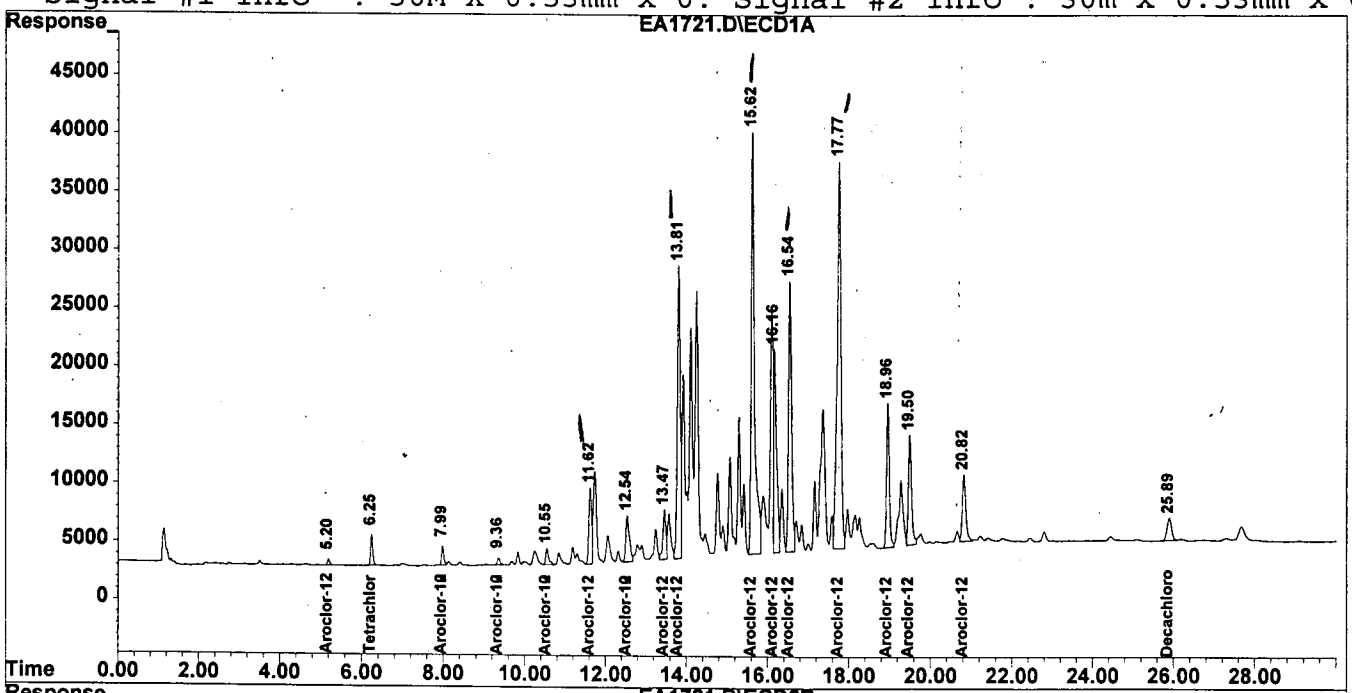
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

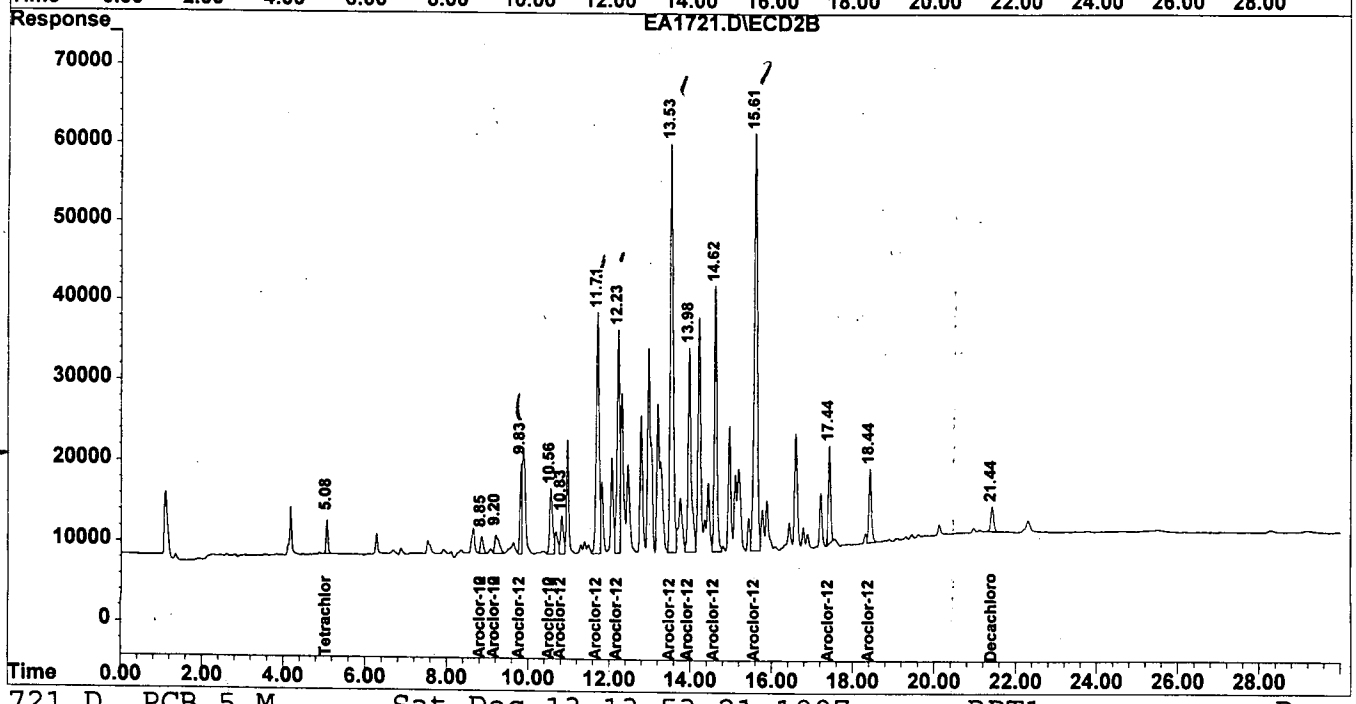
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1721.D\ECD2B.CH
Acq On : 11 Dec 97 21:03 Operator:
Sample : 278146 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1721.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDATA\EA1721.D\ECD2B.CH
Acq On : 11 Dec 97 21:03 Operator:
Sample : 278146 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
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Volume Inj. : 2 µl
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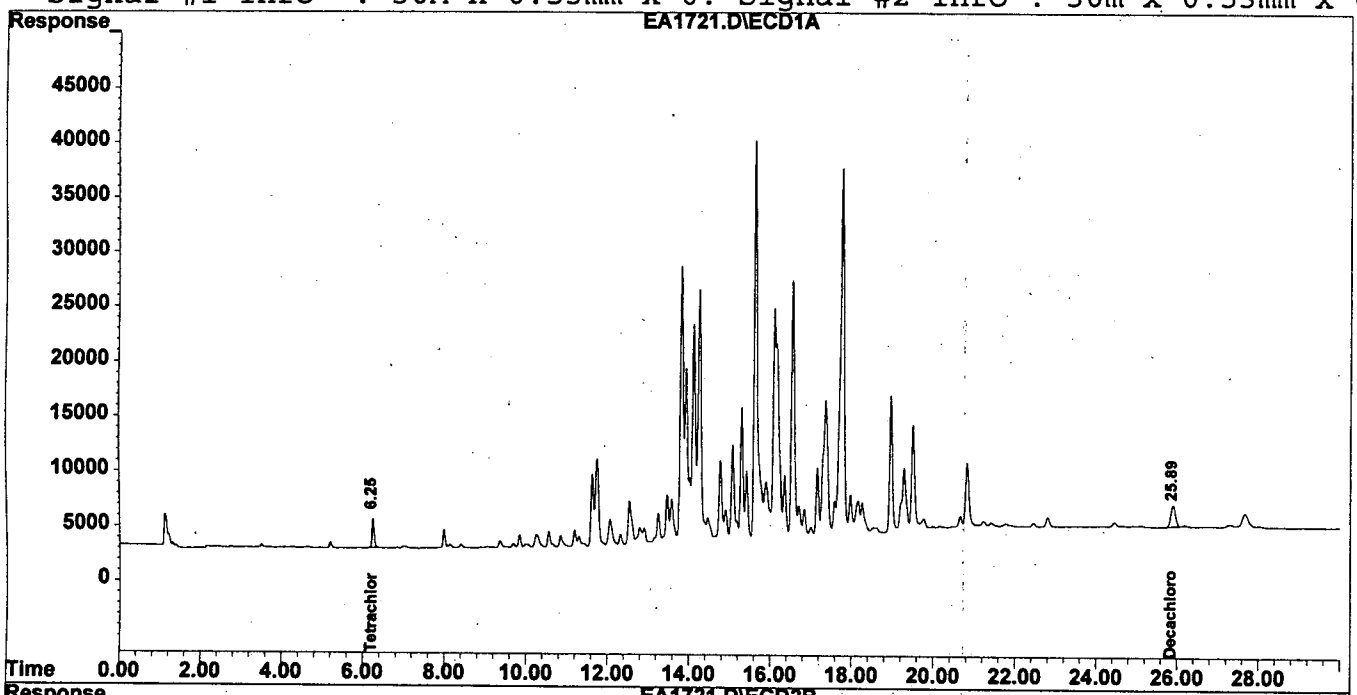
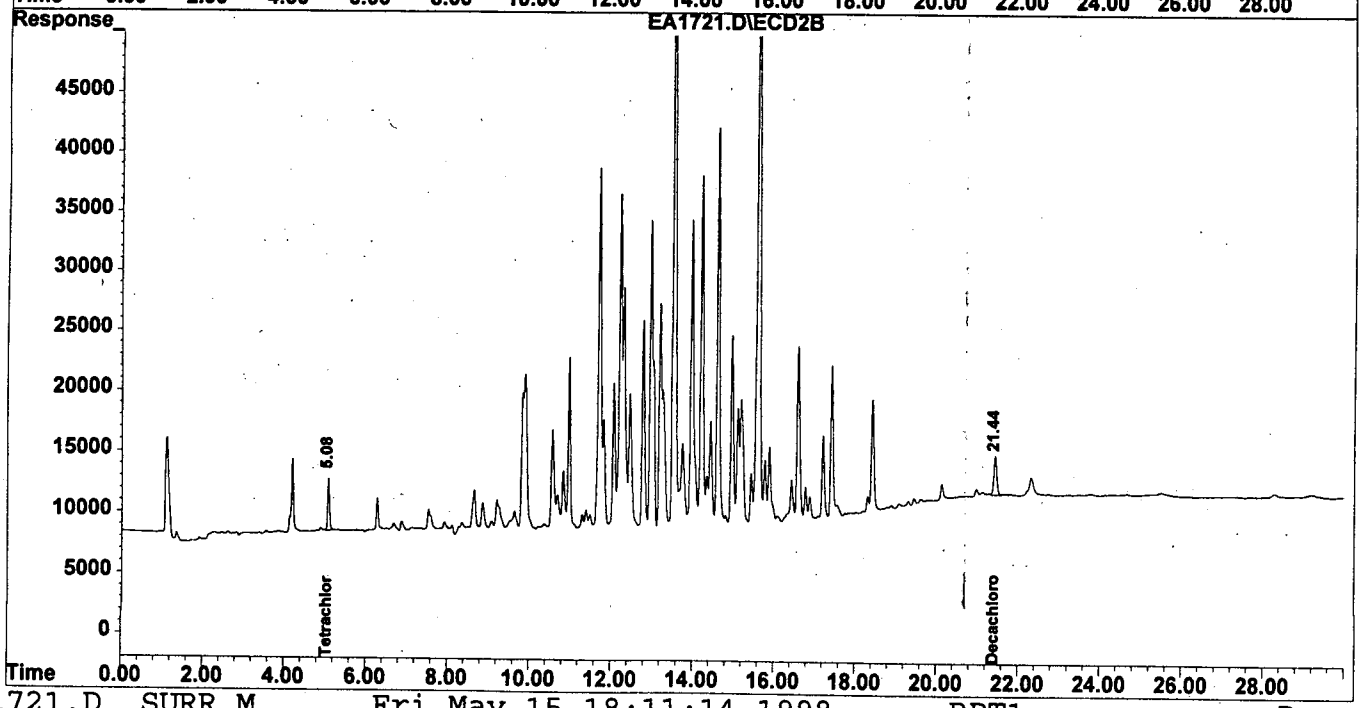
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278147
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	41.14%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	280	140
Aroclor-1221	U	U	570	400
Aroclor-1232	U	U	280	230
Aroclor-1242	U	U	280	140
Aroclor-1248	U	U	280	170
Aroclor-1254	5300	U	280	200
Aroclor-1260	U	U	280	230

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD2B.CH
Acq On : 11 Dec 97 21:37 Operator:
Sample : 278147 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	104789	151949	7.617	7.640	
Spiked Amount 40.000 Range 43 - 150 Recovery =					19.04%#	19.10%#	
2) SA Decachlorobiphen	25.90	21.44	166350	181737	7.150	8.364	
Spiked Amount 40.000 Range 24 - 154 Recovery =					17.88%#	20.91%#	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	73107	0	219.673	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.60	33100	62652	48.822	71.942	#
5) L1 Aroclor-1016{3}	10.56	8.86	97324	134468	76.212	72.457	
6) L1 Aroclor-1016{4}	0.00	9.21	0	265275	N.D.	314.519	#
7) L1 Aroclor-1016{5}	12.55	10.56	346830	570386	531.285	677.064	#
Sum Aroclor-1016			550361	1032781	875.992	1135.982	
Average Aroclor-1016					218.998	283.995	
8) L2 Aroclor-1221{1}	5.20	0.00	21800	0	168.124	N.D.	#
11) L2 Aroclor-1221{4}	8.00	8.86	73107	134468	179.232	979.030	#
Sum Aroclor-1221			94907	134468	347.356	979.030	
Average Aroclor-1221					173.678	979.030	
12) L3 Aroclor-1232{1}	8.00	0.00	73107	0	252.273	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.60	33100	62652	106.587	170.684	#
14) L3 Aroclor-1232{3}	10.56	8.86	97324	134468	191.369	178.718	
15) L3 Aroclor-1232{4}	12.55	9.21	346830	265275	1099.650	786.324	#
16) L3 Aroclor-1232{5}	13.47	10.56	329774	570386	1453.772	1496.242	
Sum Aroclor-1232			880135	1032781	3103.651	2631.968	
Average Aroclor-1232					620.730	657.992	
17) L4 Aroclor-1242{1}	8.00	0.00	73107	0	280.513	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.60	33100	62652	61.571	96.553	#
19) L4 Aroclor-1242{3}	10.56	8.86	97324	134468	100.125	96.407	
20) L4 Aroclor-1242{4}	0.00	9.21	0	265275	N.D.	433.522	#
21) L4 Aroclor-1242{5}	12.55	10.56	346830	570386	622.374	862.312	#
Sum Aroclor-1242			550361	1032781	1064.583	1488.794	
Average Aroclor-1242					266.146	372.199	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1722.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDATA\EA1722.D\ECD2B.CH
Acq On : 11 Dec 97 21:37 Operator:
Sample : 278147 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:39 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	104789	152415	7.367	7.039
Spiked Amount 40.000 Range 43 - 150 Recovery =					18.42%#	17.60%#
2) SA Decachlorobiphen	25.90	21.44	182069	191476	7.741	8.393m
Spiked Amount 40.000 Range 24 - 154 Recovery =					19.35%#	20.98%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

~~2-7-0A~~ 269A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD2B.CH
Acq On : 11 Dec 97 21:37 Operator:
Sample : 278147 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.60	33100	62652	115.127	176.005	#
23)	L5 Aroclor-1248{2}	10.56	8.86	97324	134468	116.019	110.899	
24)	L5 Aroclor-1248{3}	12.55	10.56	346830	570386	456.032	607.042	#
25)	L5 Aroclor-1248{4}	13.47	10.83	329774	309526	464.283	356.859	
26)	L5 Aroclor-1248{5}	15.63	13.54	2840748	3428357	8557.465	9686.726	
	Sum Aroclor-1248			3647776	4505389	9708.926	10937.531	
	Average Aroclor-1248					1941.785	2187.506	
						NP	NP	
27)	L6 Aroclor-1254{1}	11.63	9.83	442997	490801	1184.087	796.258	#
28)	L6 Aroclor-1254{2}	13.82	11.72	1511685	2012606	2547.466	1629.402	#
29)	L6 Aroclor-1254{3}	15.63	12.23	2840748	1719246	2186.306	1739.736	
30)	L6 Aroclor-1254{4}	16.55	13.54	1675964	3428357	2683.519	2448.459	
31)	L6 Aroclor-1254{5}	17.77	15.62	3095135	3850231	2551.869	2802.849	
	Sum Aroclor-1254			9566529	11501242	11153.248	9416.704	
	Average Aroclor-1254					2230.650	1883.341	
32)	L7 Aroclor-1260{1}	0.00	13.99	0	1839614	N.D.	1676.760	#
33)	L7 Aroclor-1260{2}	16.55	14.63	1675964	2028157	1421.636	1393.050	
34)	L7 Aroclor-1260{3}	18.96	15.62	805780	3850231	971.241	2028.763	#
35)	L7 Aroclor-1260{4}	19.50	17.44	692373	739945	361.248	331.842	
36)	L7 Aroclor-1260{5}	20.83	18.44	488434	581620	312.571	357.083	
	Sum Aroclor-1260			3662551	9039566	3066.695	5787.497	
	Average Aroclor-1260					766.674	1157.499	
						NP	NP	

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12/13/97

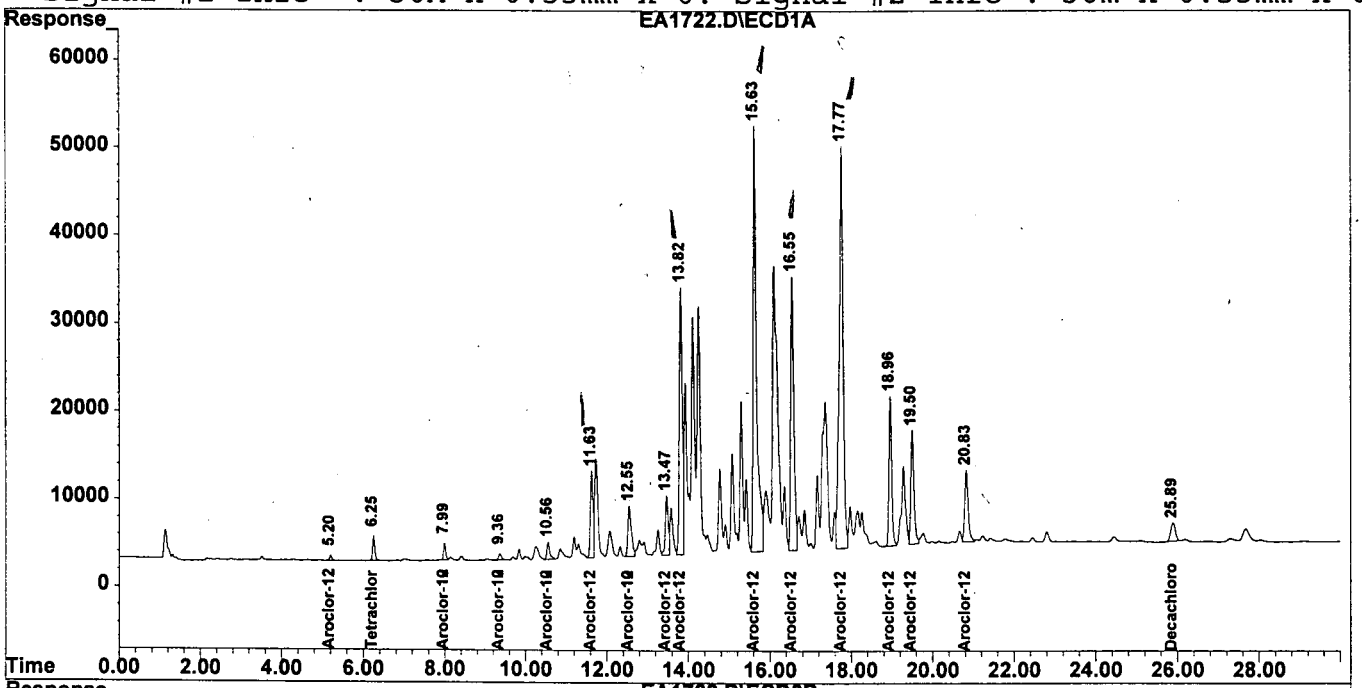
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

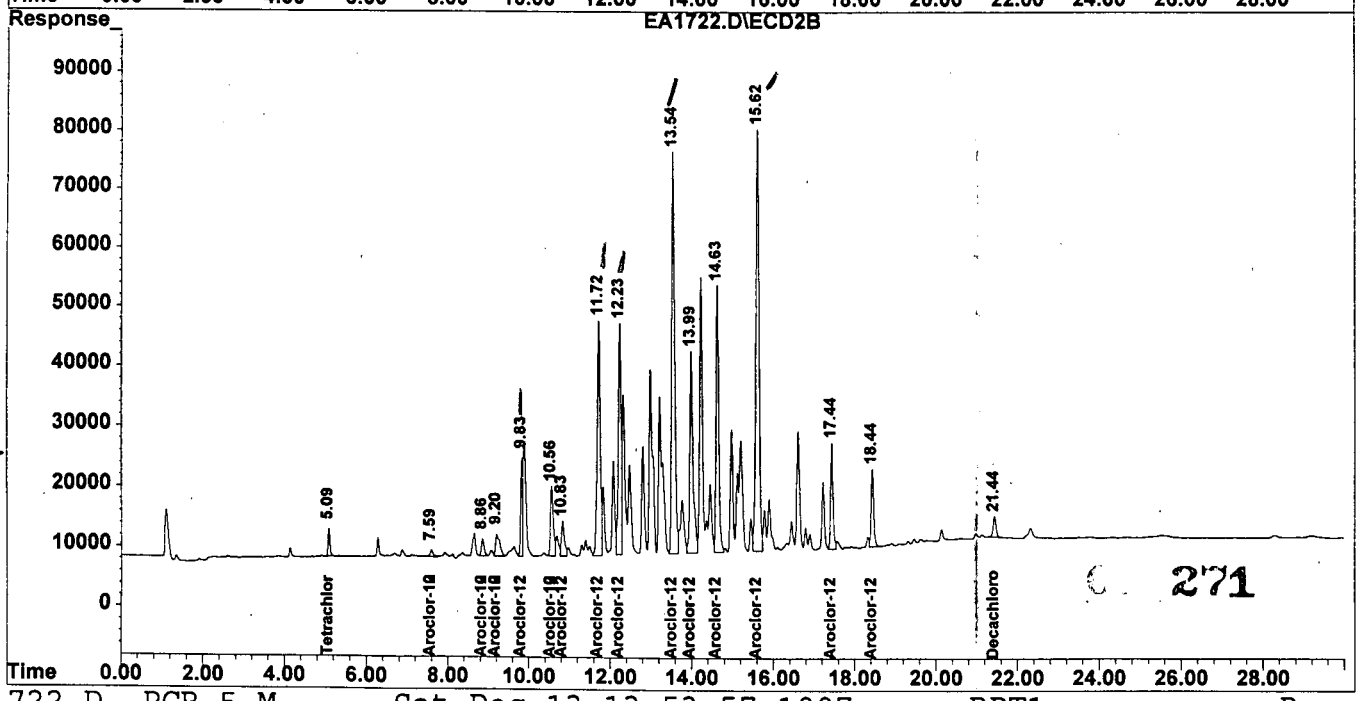
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1722.D\ECD2B.CH
Acq On : 11 Dec 97 21:37 Operator:
Sample : 278147 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:20 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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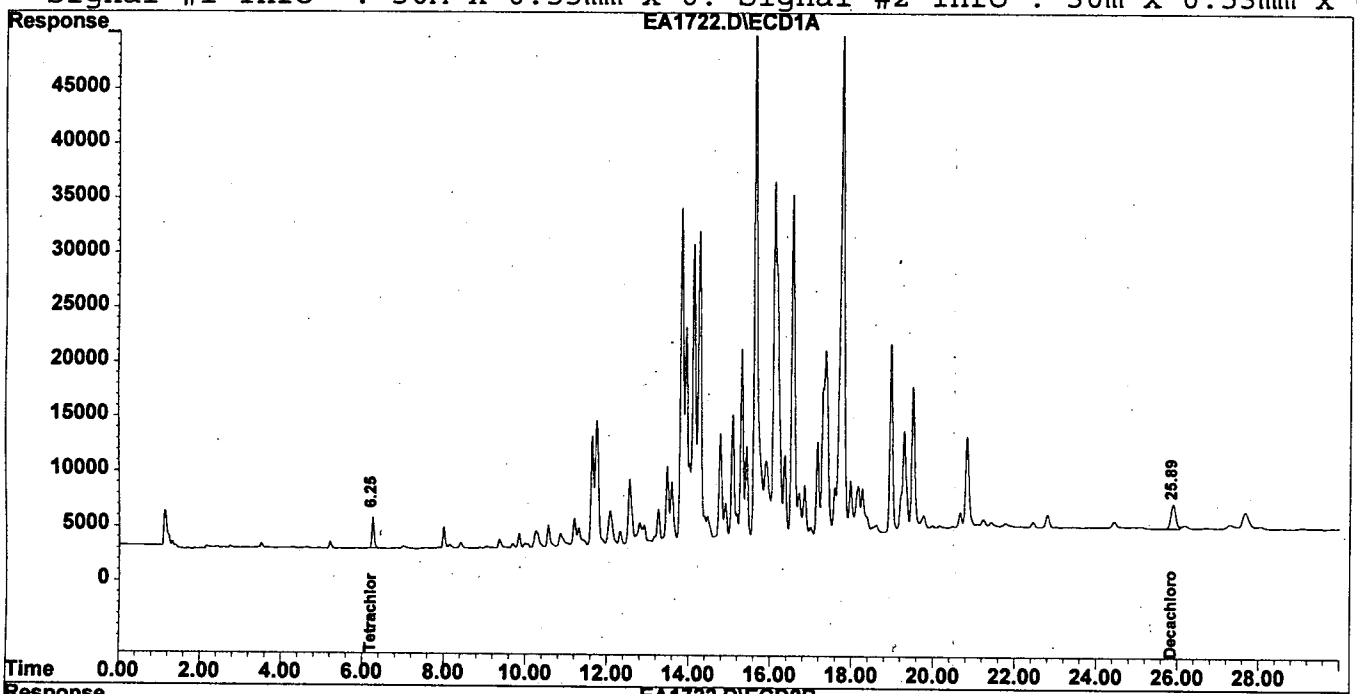
Quantitation Report

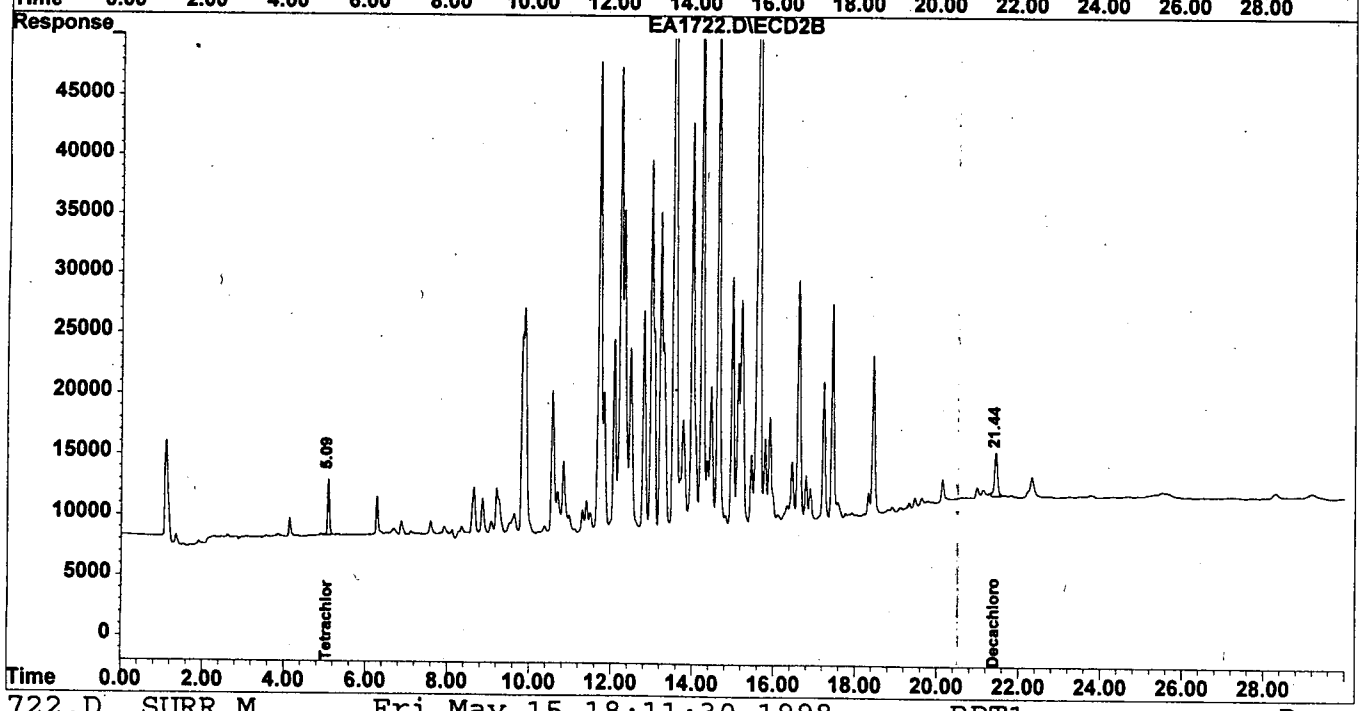
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1722.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDATA\EA1722.D\ECD2B.CH
Acq On : 11 Dec 97 21:37 Operator:
Sample : 278147 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:39 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





271A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278148
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	61.63%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	870	430
Aroclor-1221	U	U	1700	1200
Aroclor-1232	U	U	870	690
Aroclor-1242	U	U	870	430
Aroclor-1248	U	U	870	520
Aroclor-1254	16000	U	870	610
Aroclor-1260	U	U	870	690

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD2B.CH
Acq On : 11 Dec 97 22:11 Operator:
Sample : 278148 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:41 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	36015	49611	2.618	2.494
Spiked Amount 40.000 Range 43 - 150 Recovery =					6.54%#	6.24%#
2) SA Decachlorobiphen	25.89	21.44	67965	82209	2.921	3.783m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					7.30%#	9.46%#
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	0.00	13414	0	40.307	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	114968	157714	169.575	181.099
5) L1 Aroclor-1016{3}	10.56	8.86	421228	601628	329.854	324.184
6) L1 Aroclor-1016{4}	11.01	9.26	13032	556028	29.471	659.245 #
7) L1 Aroclor-1016{5}	12.55	10.57	1249598	1903390	1914.173	2259.376
Sum Aroclor-1016			1812240	3218760	2483.380	3423.905
Average Aroclor-1016					496.676	855.976
11) L2 Aroclor-1221{4}	8.04	8.86	13414	601628	32.887	4380.326 #
Sum Aroclor-1221			13414	601628	32.887	4380.326
Average Aroclor-1221					32.887	4380.326
12) L3 Aroclor-1232{1}	8.04	0.00	13414	0	46.289	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	114968	157714	370.209	429.662
14) L3 Aroclor-1232{3}	10.56	8.86	421228	601628	828.265	799.611
15) L3 Aroclor-1232{4}	12.55	9.26	1249598	556028	3961.942	1648.168 #
16) L3 Aroclor-1232{5}	13.47	10.57	635522	1903390	2801.631	4992.994 #
Sum Aroclor-1232			2434730	3218760	8008.336	7870.435
Average Aroclor-1232					1601.667	1967.609
17) L4 Aroclor-1242{1}	8.04	0.00	13414	0	51.471	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	114968	157714	213.856	243.052
19) L4 Aroclor-1242{3}	10.56	8.86	421228	601628	433.351	431.341
20) L4 Aroclor-1242{4}	11.01	9.26	13032	556028	39.283	908.679 #
21) L4 Aroclor-1242{5}	12.55	10.57	1249598	1903390	2242.359	2877.555 #
Sum Aroclor-1242			1812240	3218760	2980.319	4460.628
Average Aroclor-1242					596.064	1115.157
22) L5 Aroclor-1248{1}	9.36	7.59	114968	157714	399.874	443.056

12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1723.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1723.D\ECD2B.CH
Acq On : 11 Dec 97 22:11 Operator:
Sample : 278148 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:39 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	36015	47822	2.532	2.209
Spiked Amount 40.000 Range 43 - 150 Recovery =					6.33%#	5.52%#
2) SA Decachlorobiphen	25.89	21.44	88669	85560	3.770	3.750m
Spiked Amount 40.000 Range 24 - 154 Recovery =					9.43%#	9.38%#

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 734A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD2B.CH
Acq On : 11 Dec 97 22:11 Operator:
Sample : 278148 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:41 1997 Quant Results File: PCB_5.RES

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Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{2}	10.56	8.86	421228	601628	502.143	496.180	
24) L5	Aroclor-1248{3}	12.55	10.57	1249598	1903390	1643.041	2025.714	
25) L5	Aroclor-1248{4}	13.47	10.83	635522	1757266	894.741	2025.991	#
26) L5	Aroclor-1248{5}	15.63	13.54	2051286	2404761	6179.292	6794.584	
Sum	Aroclor-1248			4472602	6824760	9619.091	11785.525	
Average	Aroclor-1248					1923.818	2357.105	
27) L6	Aroclor-1254{1}	11.63	9.84	995951	1254342	~~2662.080~~	~~2034.998m~~	
28) L6	Aroclor-1254{2}	13.83	11.73	973626	3177981	1640.738	~~2572.886~~	#
29) L6	Aroclor-1254{3}	15.63	12.23	2051286	1170169	1578.718	1184.115	
30) L6	Aroclor-1254{4}	16.55	13.54	985526	2404761	1578.003	1717.429	
31) L6	Aroclor-1254{5}	17.77	15.61	2125014	2657603	1752.026	1934.653	
Sum	Aroclor-1254			7131403	10664856	9211.566	9444.081	
Average	Aroclor-1254					1842.313	1888.816	
32) L7	Aroclor-1260{1}	0.00	13.99	0	1252471	N.D.	1141.595	#
33) L7	Aroclor-1260{2}	16.55	14.63	985526	1309825	835.972	899.660	
34) L7	Aroclor-1260{3}	18.96	15.61	510835	2657603	615.731	1400.344	#
35) L7	Aroclor-1260{4}	19.50	17.44	435061	559187	226.995	250.777	
36) L7	Aroclor-1260{5}	20.83	18.44	338193	391715	216.425	240.492	
Sum	Aroclor-1260			2269614	6170801	1895.122	3932.867	
Average	Aroclor-1260					473.780	786.573	

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12/13/98

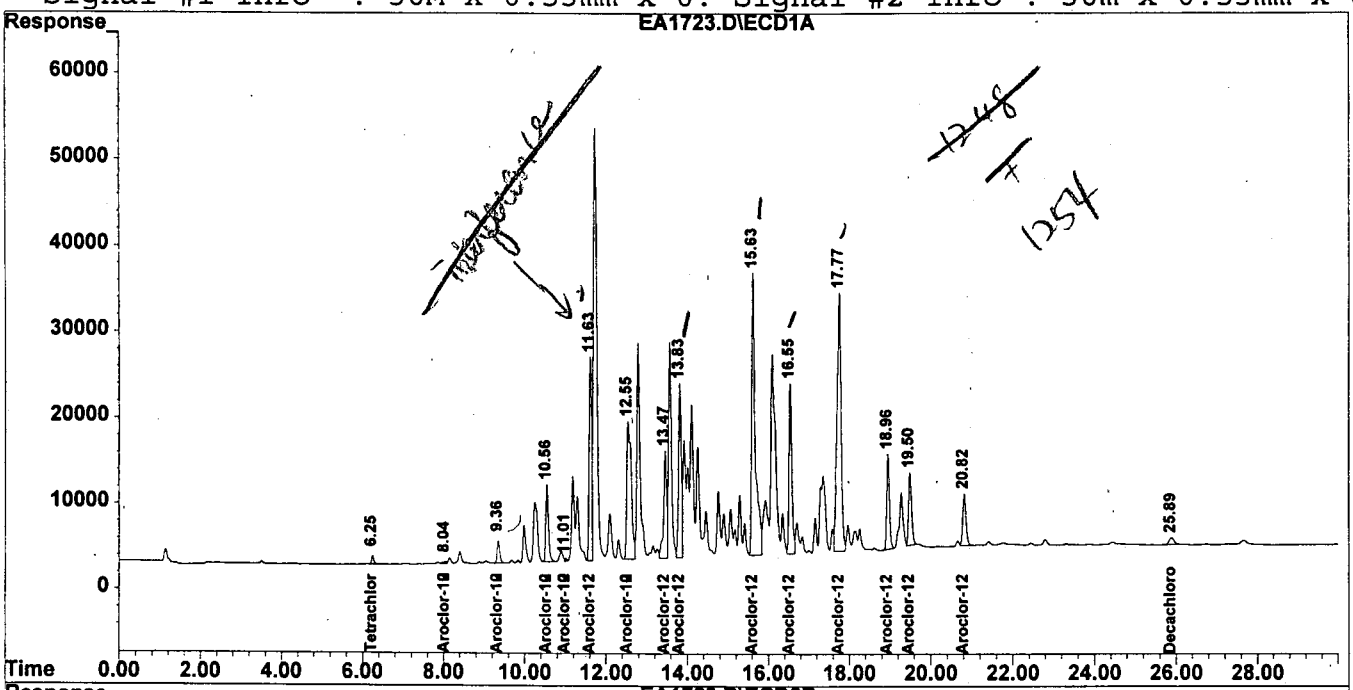
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

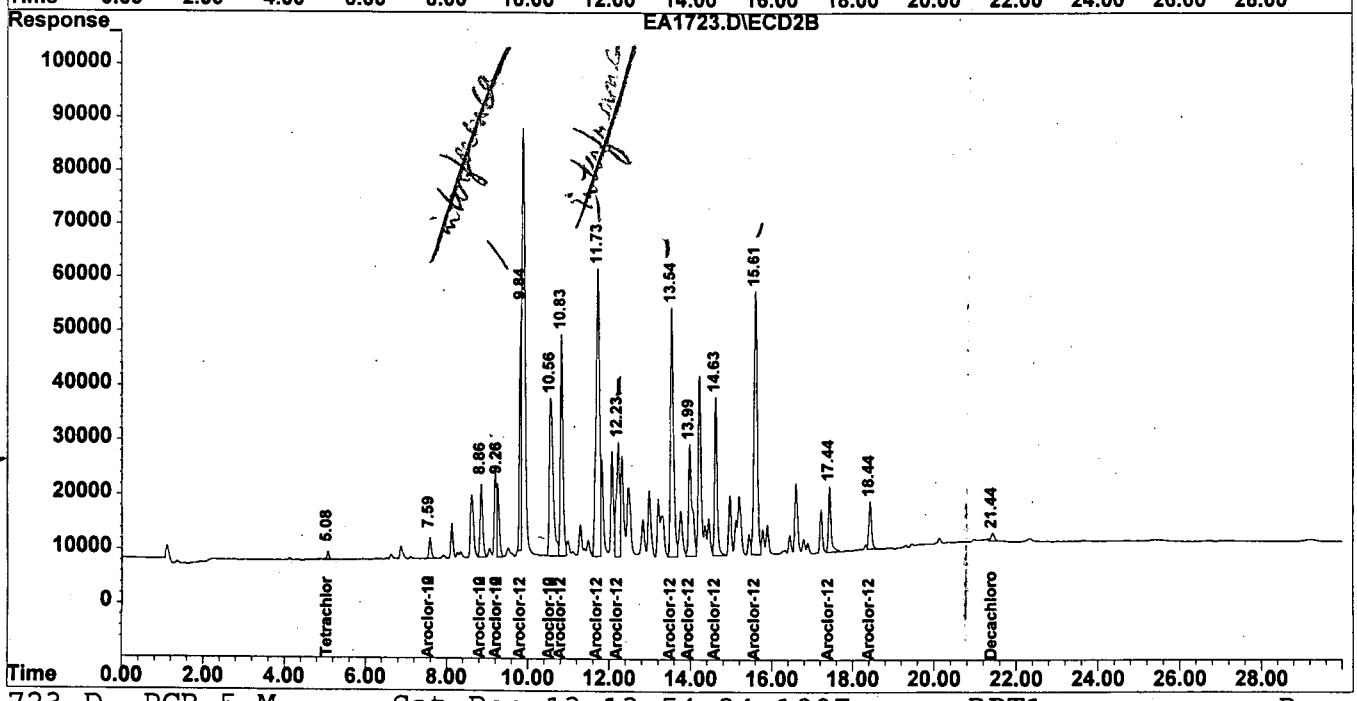
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1723.D\ECD2B.CH
Acq On : 11 Dec 97 22:11 Operator:
Sample : 278148 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:41 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





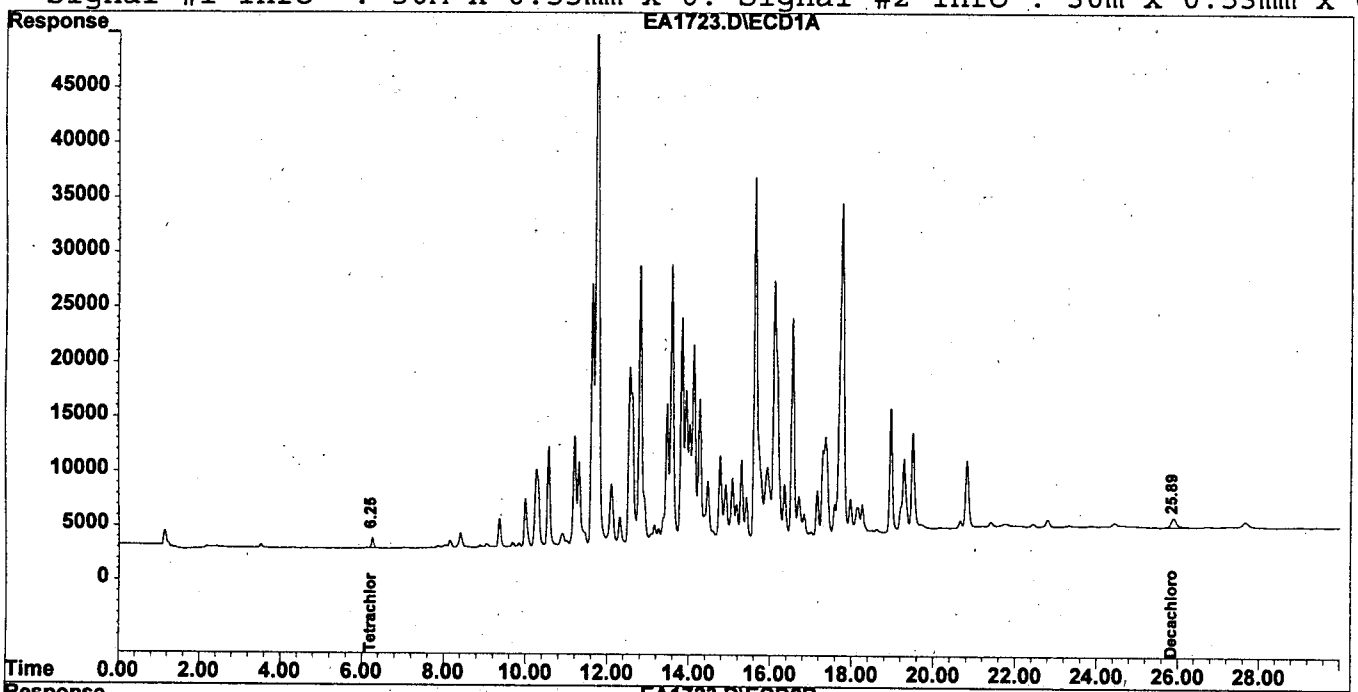
Quantitation Report

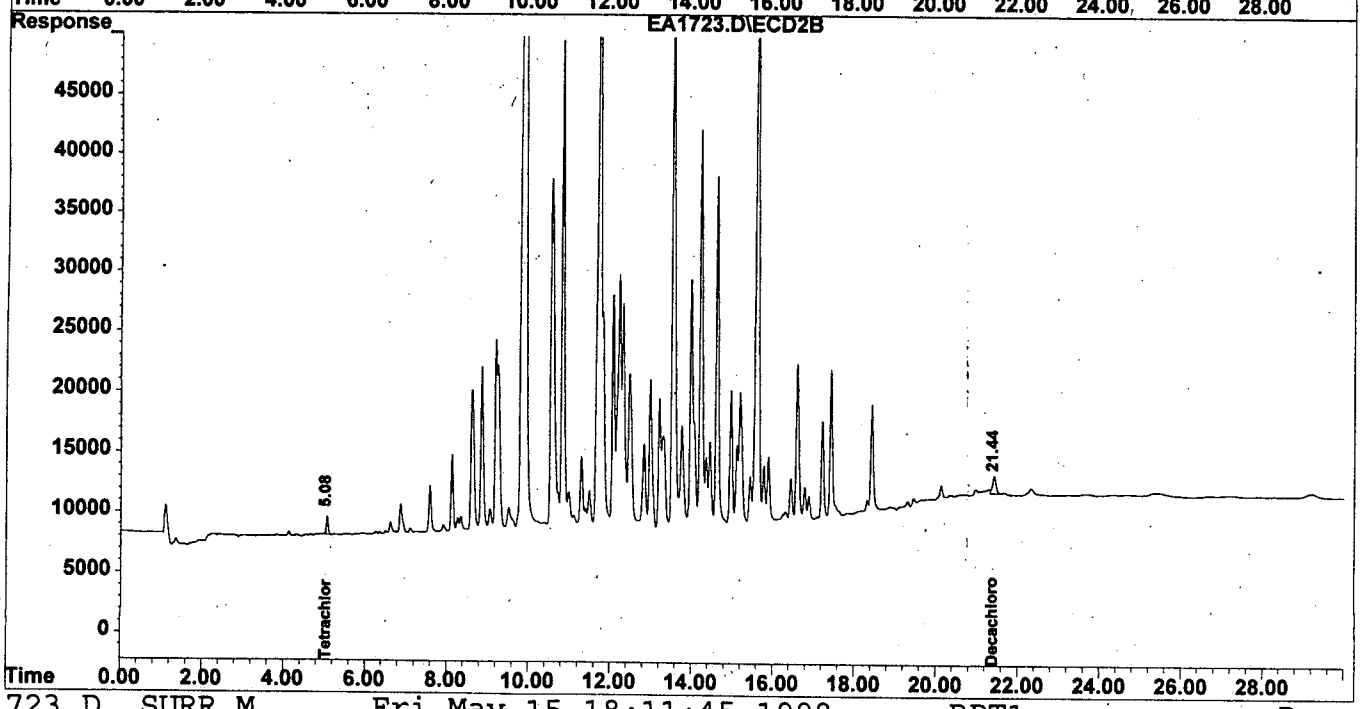
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1723.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDATA\EA1723.D\ECD2B.CH
Acq On : 11 Dec 97 22:11 Operator:
Sample : 278148 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:39 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278149
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFSD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	58.58%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	800	400
Aroclor-1221	U	U	1600	1100
Aroclor-1232	U	U	800	640
Aroclor-1242	U	U	800	400
Aroclor-1248	U	U	800	480
Aroclor-1254	13000	U	800	560
Aroclor-1260	U	U	800	640

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD2B.CH
Acq On : 11 Dec 97 22:44 Operator:
Sample : 278149 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:42 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	61351	87745	4.459m	4.412
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.15%#	11.03%#
2) SA Decachlorobiphen	25.89	21.44	116096	124986	4.990	5.752m
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.48%#	14.38%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	122398	0	367.782	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.57	39123	154721	57.706	177.562 #
5) L1 Aroclor-1016{3}	10.56	8.86	77493	110010	60.683	59.278
6) L1 Aroclor-1016{4}	0.00	9.20	0	349307	N.D.	414.150 #
7) L1 Aroclor-1016{5}	12.54	10.56	749084	1154342	1147.471	1370.236
Sum Aroclor-1016			988098	1768380	1633.641	2021.326
Average Aroclor-1016					408.410	505.332
8) L2 Aroclor-1221{1}	5.20	0.00	15017	0	115.812	N.D. #
10) L2 Aroclor-1221{3}	7.90	0.00	24257	0	176.136	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	122398	110010	300.075	800.961 #
Sum Aroclor-1221			161671	110010	592.023	800.961
Average Aroclor-1221					197.341	800.961
12) L3 Aroclor-1232{1}	7.99	0.00	122398	0	422.362	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.57	39123	154721	125.981	421.507 #
14) L3 Aroclor-1232{3}	10.56	8.86	77493	110010	152.375	146.212
15) L3 Aroclor-1232{4}	12.54	9.20	749084	349307	2375.027	1035.410 #
16) L3 Aroclor-1232{5}	13.46	10.56	386195	1154342	1702.497	3028.082 #
Sum Aroclor-1232			1374293	1768380	4778.242	4631.212
Average Aroclor-1232					955.648	1157.803
17) L4 Aroclor-1242{1}	7.99	0.00	122398	0	469.641	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.57	39123	154721	72.775	238.439 #
19) L4 Aroclor-1242{3}	10.56	8.86	77493	110010	79.723	78.873
20) L4 Aroclor-1242{4}	0.00	9.20	0	349307	N.D.	570.849 #
21) L4 Aroclor-1242{5}	12.54	10.56	749084	1154342	1344.205	1745.140 #
Sum Aroclor-1242			988098	1768380	1966.345	2633.301
Average Aroclor-1242					491.586	658.325

12/13/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1724.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDATA\EA1724.D\ECD2B.CH
Acq On : 11 Dec 97 22:44 Operator:
Sample : 278149 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:40 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	62199	88192	4.373	4.073
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.93%#	10.18%#
2) SA Decachlorobiphen	25.89	21.44	137189	158624	5.833	6.953m
Spiked Amount 40.000 Range 24 - 154 Recovery =					14.58%#	17.38%#

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 7 8A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD2B.CH
Acq On : 11 Dec 97 22:44 Operator:
Sample : 278149 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:42 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.57	39123	154721	136.076	434.648	#
23)	L5 Aroclor-1248{2}	10.56	8.86	77493	110010	92.379	90.729	
24)	L5 Aroclor-1248{3}	12.54	10.56	749084	1154342	984.938	1228.527	
25)	L5 Aroclor-1248{4}	13.46	10.83	386195	521795	543.716	601.589	
26)	L5 Aroclor-1248{5}	15.62	13.54	2110036	2823233	6356.269	7976.965	#
	Sum Aroclor-1248			3361931	4764101	8113.378	10332.456	
	Average Aroclor-1248					1622.676	2066.491	
						no	no	
27)	L6 Aroclor-1254{1}	11.62	9.85	659940	838176	1763.957	1359.826m	
28)	L6 Aroclor-1254{2}	13.80	11.72	2225200	1909052	3749.869	1545.564	#
29)	L6 Aroclor-1254{3}	15.62	12.23	2110036	1213448	1623.933	1227.910	
30)	L6 Aroclor-1254{4}	16.54	13.54	1268326	2823233	2030.818	2016.293	
31)	L6 Aroclor-1254{5}	17.76	15.62	1919586	2862545	1582.655	2083.845	#
	Sum Aroclor-1254			8183089	9646454	10751.232	8233.437	
	Average Aroclor-1254					2150.246	1646.687	
32)	L7 Aroclor-1260{1}	16.15	13.98	824936	1268218	849.122	1155.947	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1268326	1323294	1075.857	908.911	
34)	L7 Aroclor-1260{3}	18.96	15.62	479940	2862545	578.492	1508.332	#
35)	L7 Aroclor-1260{4}	19.50	17.44	467004	471508	243.661	211.456	
36)	L7 Aroclor-1260{5}	20.82	18.44	288659	337262	184.726	207.061	
	Sum Aroclor-1260			3328865	6262827	2931.858	3991.707	
	Average Aroclor-1260					586.372	798.341	
						no	no	

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12/13/97

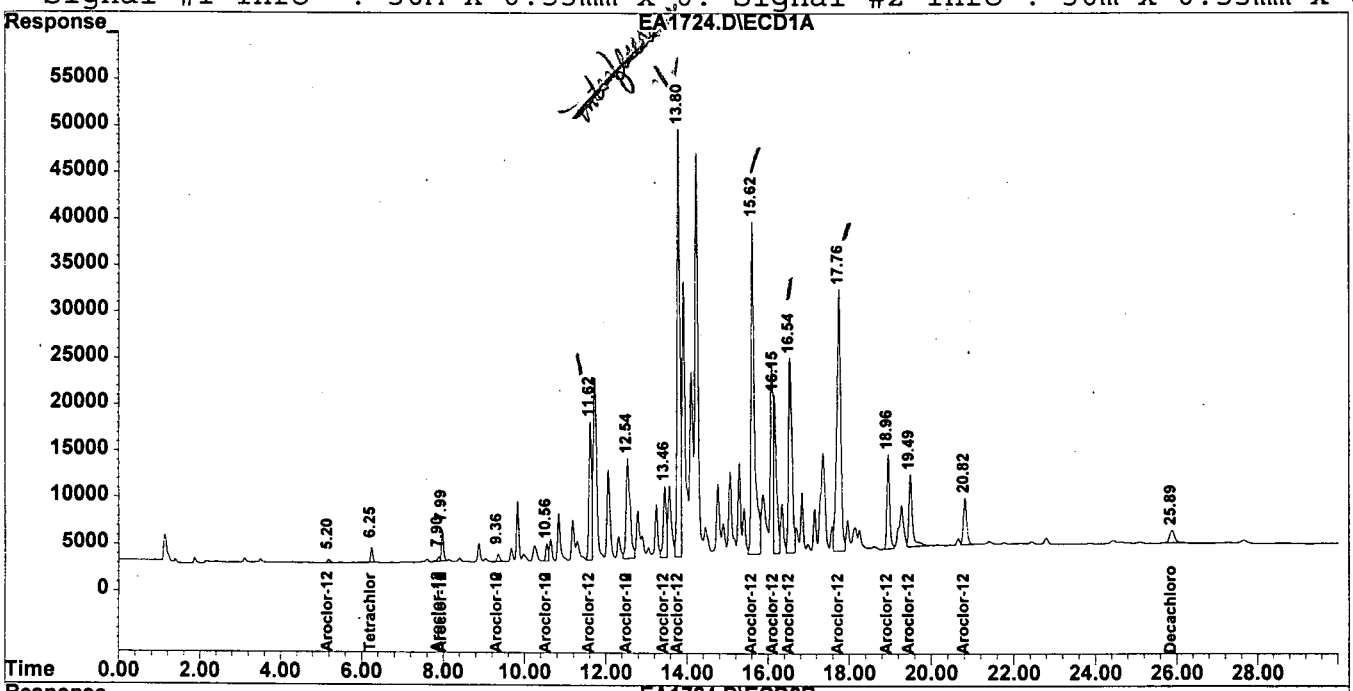
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

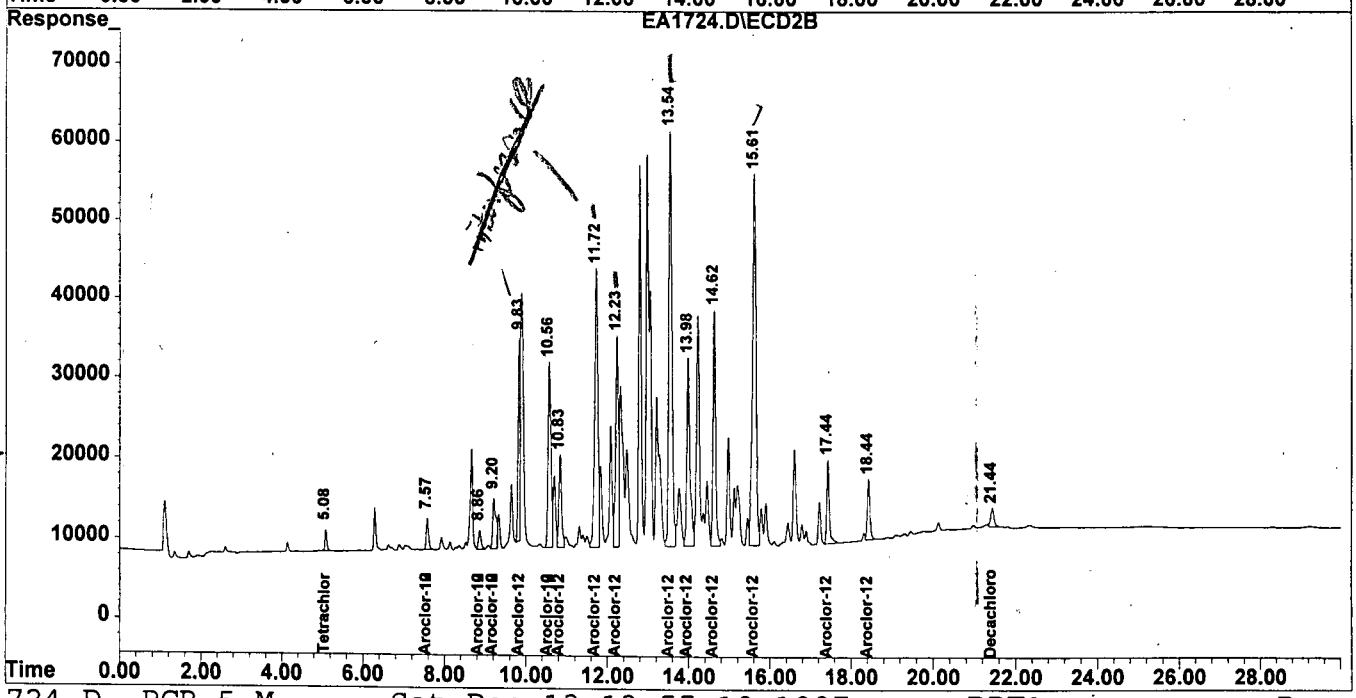
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_E\EA1724.D\ECD2B.CH
Acq On : 11 Dec 97 22:44 Operator:
Sample : 278149 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:42 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





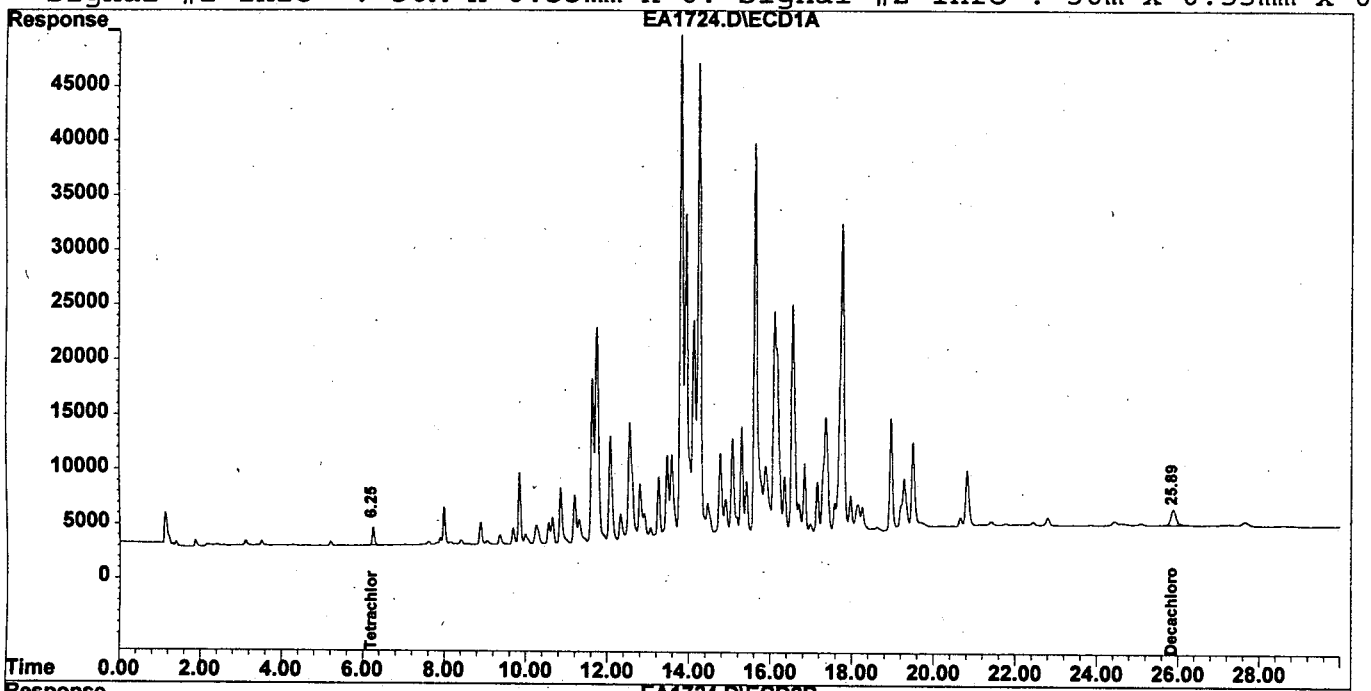
Quantitation Report

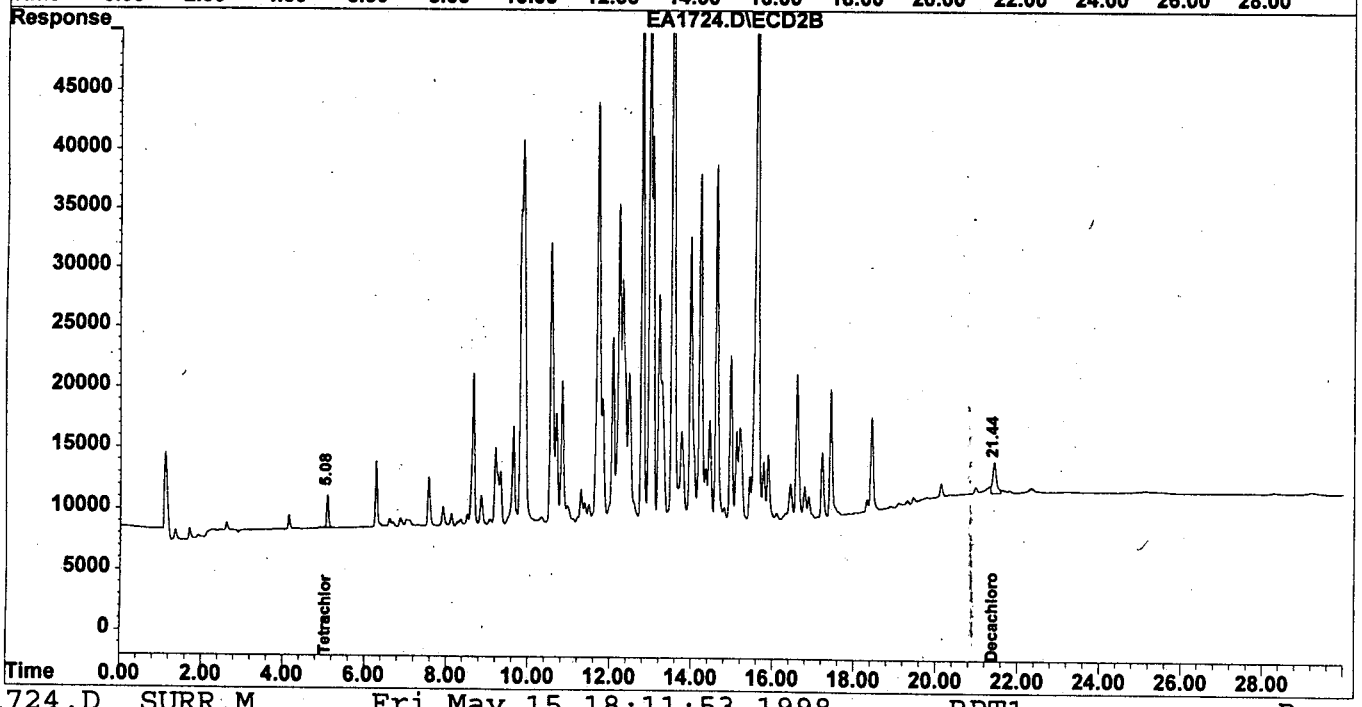
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1724.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDATA\EA1724.D\ECD2B.CH
Acq On : 11 Dec 97 22:44 Operator:
Sample : 278149 1:10 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:40 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





279A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278150
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	44.36%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	300	150
Aroclor-1221	U	U	600	420
Aroclor-1232	U	U	300	240
Aroclor-1242	U	U	300	150
Aroclor-1248	U	U	300	180
Aroclor-1254	4300	U	300	210
Aroclor-1260	U	U	300	240

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD2B.CH
Acq On : 11 Dec 97 23:18 Operator:
Sample : 278150 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	118120	169434	8.586	8.519	
Spiked Amount 40.000 Range 43 - 150 Recovery =					21.47%#	21.30%#	
2) SA Decachlorobiphen	25.90	21.44	175385	176868	7.538	8.139	
Spiked Amount 40.000 Range 24 - 154 Recovery =					18.85%#	20.35%#	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	0.00	52312	0	157.188	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.59	26881	42270	39.648	48.538	
5) L1 Aroclor-1016{3}	10.56	8.86	66552	96687	52.115	52.099	
6) L1 Aroclor-1016{4}	0.00	9.20	0	216349	N.D.	256.510	#
7) L1 Aroclor-1016{5}	12.55	10.56	290582	467686	445.123	555.157	
Sum Aroclor-1016			436327	822993	694.074	912.304	
Average Aroclor-1016					173.519	228.076	
					NO	NO	
8) L2 Aroclor-1221{1}	5.20	0.00	14063	0	108.458	N.D.	#
11) L2 Aroclor-1221{4}	7.99	8.86	52312	96687	128.250	703.959	#
Sum Aroclor-1221			66375	96687	236.709	703.959	
Average Aroclor-1221					118.354	703.959	
					NO	NO	
12) L3 Aroclor-1232{1}	7.99	0.00	52312	0	180.515	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.59	26881	42270	86.559	115.157	#
14) L3 Aroclor-1232{3}	10.56	8.86	66552	96687	130.862	128.505	
15) L3 Aroclor-1232{4}	12.55	9.20	290582	216349	921.312	641.297	#
16) L3 Aroclor-1232{5}	13.47	10.56	268017	467686	1181.522	1226.840	
Sum Aroclor-1232			704343	822993	2500.769	2111.799	
Average Aroclor-1232					500.154	527.950	
					NO	NO	
17) L4 Aroclor-1242{1}	7.99	0.00	52312	0	200.722	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.59	26881	42270	50.002	65.142	#
19) L4 Aroclor-1242{3}	10.56	8.86	66552	96687	68.467	69.321	
20) L4 Aroclor-1242{4}	0.00	9.20	0	216349	N.D.	353.564	#
21) L4 Aroclor-1242{5}	12.55	10.56	290582	467686	521.439	707.051	#
Sum Aroclor-1242			436327	822993	840.630	1195.078	
Average Aroclor-1242					210.158	298.769	
					NO	NO	

12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1725.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDATA\EA1725.D\ECD2B.CH
Acq On : 11 Dec 97 23:18 Operator:
Sample : 278150 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:40 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	118120	168488	8.305	7.782
Spiked Amount 40.000 Range 43 - 150 Recovery =					20.76%#	19.46%#
2) SA Decachlorobiphen	25.90	21.44	175788	177136	7.474	7.764m
Spiked Amount 40.000 Range 24 - 154 Recovery =					18.69%#	19.41%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 8/2A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD2B.CH
Acq On : 11 Dec 97 23:18 Operator:
Sample : 278150 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.59	26881	42270	93.495	118.747	#
23)	L5 Aroclor-1248{2}	10.56	8.86	66552	96687	79.336	79.741	
24)	L5 Aroclor-1248{3}	12.55	10.56	290582	467686	382.074	497.743	#
25)	L5 Aroclor-1248{4}	13.47	10.83	268017	238850	377.336	275.375	#
26)	L5 Aroclor-1248{5}	15.63	13.54	2142221	2597951	6453.225	7340.437	
	Sum Aroclor-1248			2794253	3443444	7385.465	8312.042	
	Average Aroclor-1248					1477.093	1662.408	
						NO	NO	
27)	L6 Aroclor-1254{1}	11.63	9.83	361045	445298	965.037	722.435	m#
28)	L6 Aroclor-1254{2}	13.82	11.72	1106031	1544621	1863.864	1250.522	#
29)	L6 Aroclor-1254{3}	15.63	12.23	2142221	1295714	1648.704	1311.156	
30)	L6 Aroclor-1254{4}	16.55	13.54	1249110	2597951	2000.049	1855.401	
31)	L6 Aroclor-1254{5}	17.77	15.61	2274673	2802621	1875.417	2040.221	
	Sum Aroclor-1254			7133080	8686205	8353.071	7179.736	
	Average Aroclor-1254					1670.614	1435.947	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1396686	N.D.	1273.042	#
33)	L7 Aroclor-1260{2}	16.55	14.63	1249110	1497423	1059.557	1028.513	
34)	L7 Aroclor-1260{3}	18.97	15.61	588739	2802621	709.632	1476.756	#
35)	L7 Aroclor-1260{4}	19.50	17.44	517583	479506	270.051	215.043	
36)	L7 Aroclor-1260{5}	20.83	18.44	339319	406827	217.146	249.770	
	Sum Aroclor-1260			2694750	6583062	2256.385	4243.124	
	Average Aroclor-1260					564.096	848.625	
						NO	NO	

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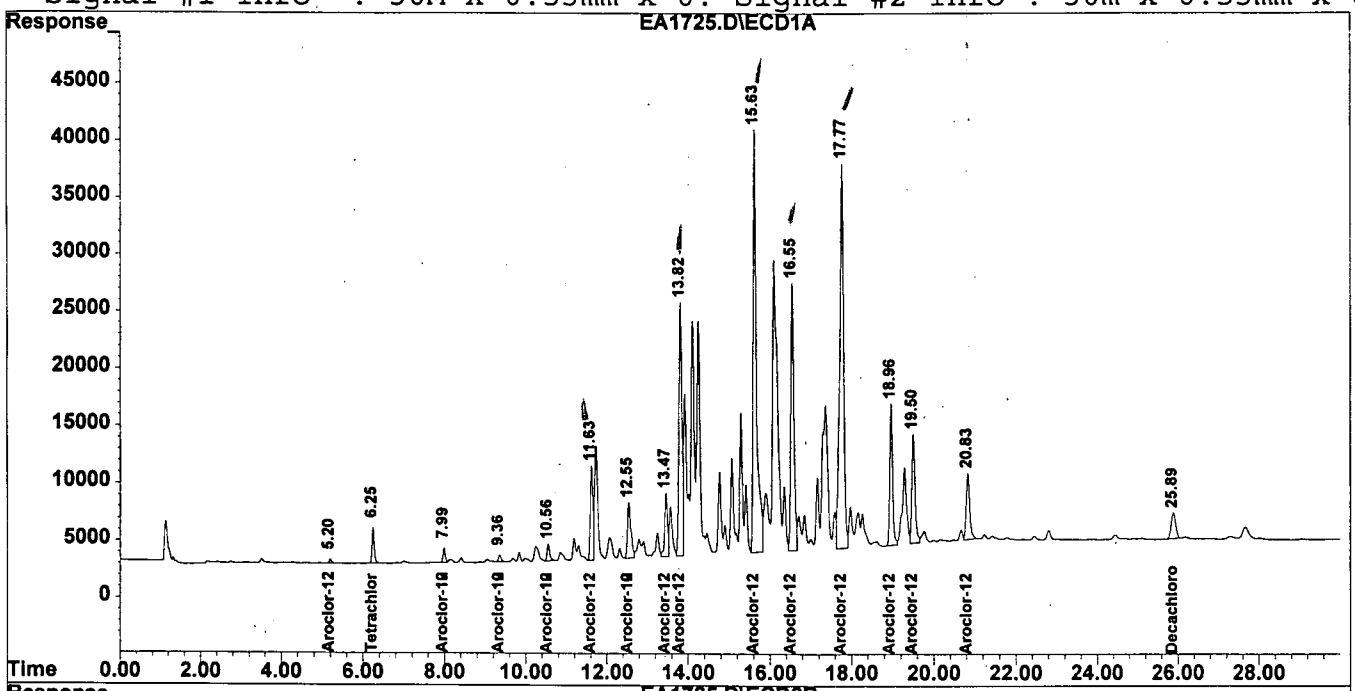
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

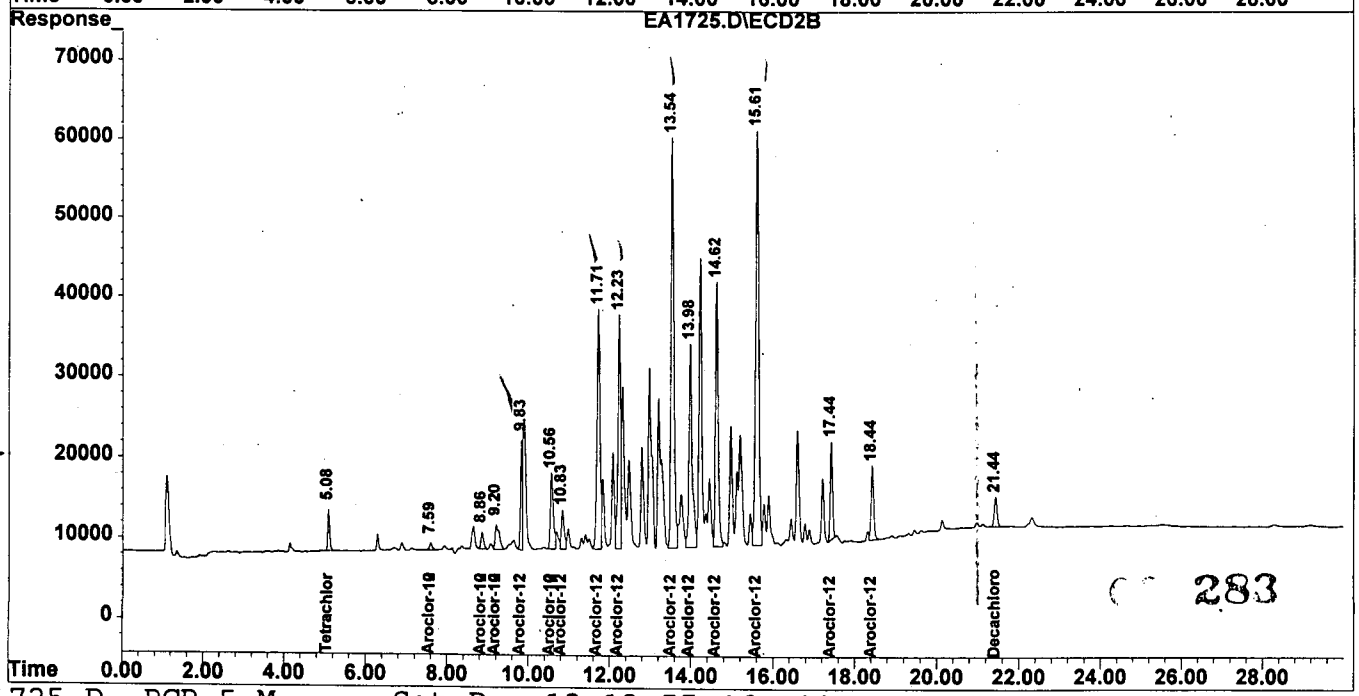
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_E\EA1725.D\ECD2B.CH
Acq On : 11 Dec 97 23:18 Operator:
Sample : 278150 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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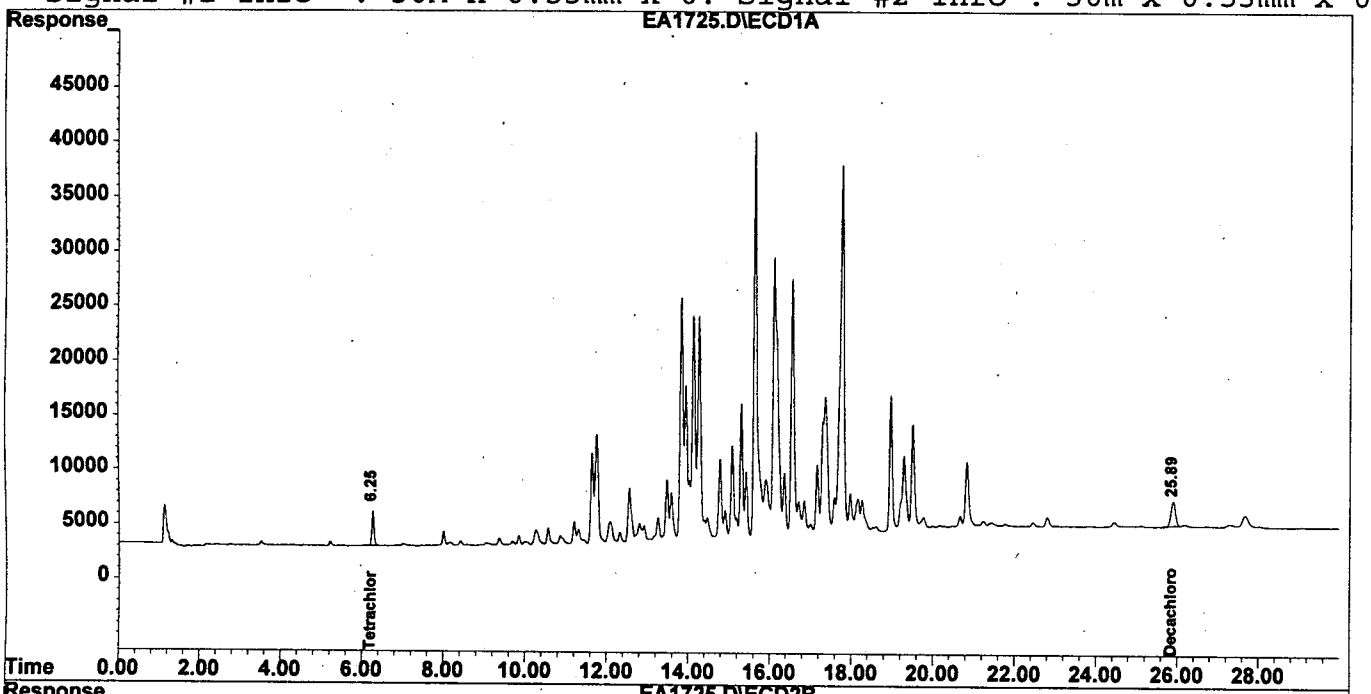
Quantitation Report

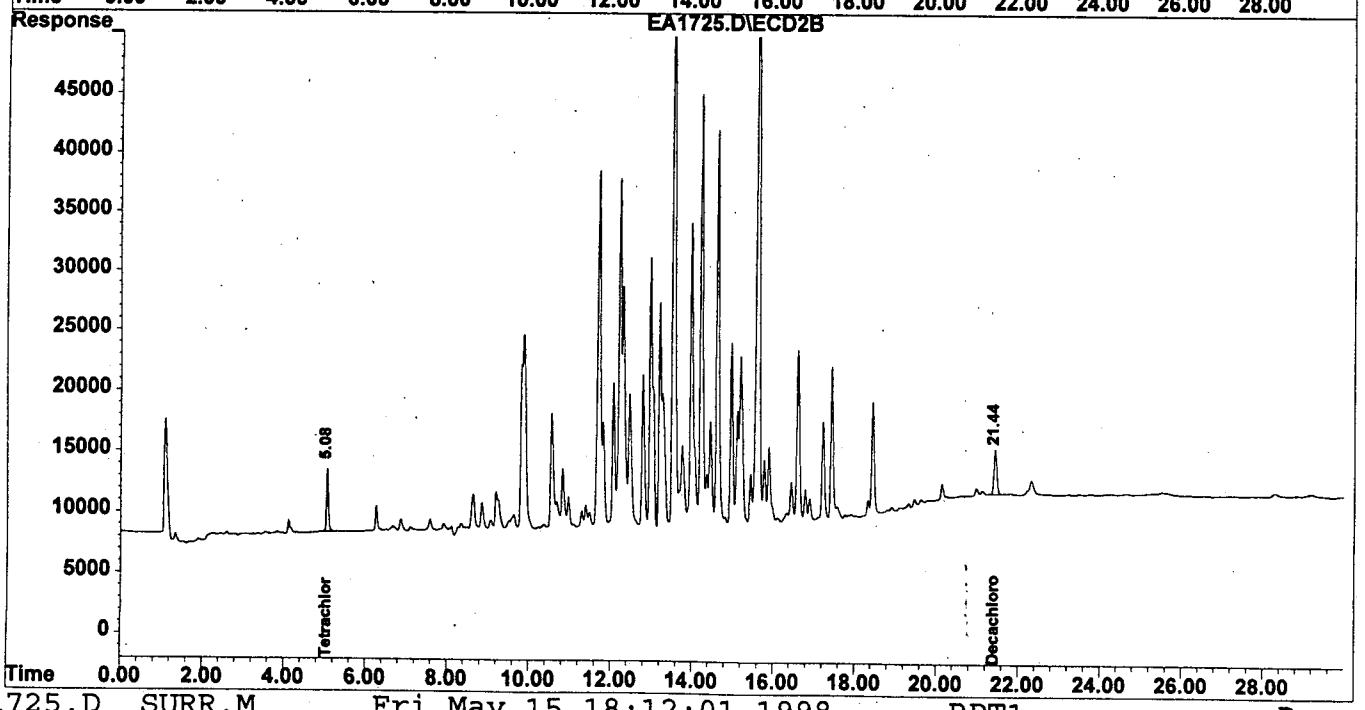
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1725.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDATA\EA1725.D\ECD2B.CH
Acq On : 11 Dec 97 23:18 Operator:
Sample : 278150 1:5 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:40 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278151
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	21.74%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	85	60
Aroclor-1232	U	U	42	34
Aroclor-1242	U	U	42	21
Aroclor-1248	U	U	42	26
Aroclor-1254	780	U	42	30
Aroclor-1260	U	U	42	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : 278151 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	543892	791356	39.533	39.790
Spiked Amount 40.000 Range 43 - 150 Recovery =					98.83%	99.48%
2) SA Decachlorobiphen	25.91	21.45	880544	914462	37.845	42.083m
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.61%	105.21%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	118701	0	356.672	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.54	67117	168155	98.996	193.088 #
5) L1 Aroclor-1016{3}	10.56	8.86	101149	220012	79.207	118.552 #
6) L1 Aroclor-1016{4}	0.00	9.21	0	203559	N.D.	241.346 #
7) L1 Aroclor-1016{5}	12.55	10.57	233761	478358	358.083	567.825 #
Sum Aroclor-1016			520727	1070084	892.958	1120.811
Average Aroclor-1016					223.240 NP	280.203 NP
8) L2 Aroclor-1221{1}	5.20	5.96	19933	46602	153.728	170.652
9) L2 Aroclor-1221{2}	7.39	0.00	38007	0	400.538	N.D. #
10) L2 Aroclor-1221{3}	7.88	0.00	17043	0	123.756	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	118701	220012	291.011	1601.860 #
Sum Aroclor-1221			193684	266613	969.033	1772.511
Average Aroclor-1221					242.258 NP	886.256 NP
12) L3 Aroclor-1232{1}	7.99	0.00	118701	0	409.604	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.54	67117	168155	216.123	458.105 #
14) L3 Aroclor-1232{3}	10.56	8.86	101149	220012	198.890	292.413 #
15) L3 Aroclor-1232{4}	12.55	9.21	233761	203559	741.157	603.385
16) L3 Aroclor-1232{5}	13.47	10.57	372535	478358	1642.280	1254.835
Sum Aroclor-1232			893262	1070084	3208.054	2608.738
Average Aroclor-1232					641.611 NP	652.185 NP
17) L4 Aroclor-1242{1}	7.99	0.00	118701	0	455.455	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	67117	0	124.846	N.D. #
19) L4 Aroclor-1242{3}	10.56	8.86	101149	220012	104.060	157.739 #
20) L4 Aroclor-1242{4}	0.00	9.21	0	203559	N.D.	332.662 #
21) L4 Aroclor-1242{5}	12.55	10.57	233761	478358	419.476	723.185 #
Sum Aroclor-1242			520727	901929	1103.838	1213.586
Average Aroclor-1242					275.959 NP	404.529 NP

12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1701.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDATA\EA1701.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : 278151 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	543892	853168	38.240	39.403
Spiked Amount	40.000	Range	43 - 150	Recovery	= 95.60%	98.51%
2) SA Decachlorobiphen	25.91	21.45	880997	884322	37.458	38.763m
Spiked Amount	40.000	Range	24 - 154	Recovery	= 93.65%	96.91%

Target Compounds

5/18/8

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : 278151 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22) L5	Aroclor-1248{1}	9.36	0.00	67117	0	233.441	N.D.	#
23) L5	Aroclor-1248{2}	10.56	8.86	101149	220012	120.579	181.450	#
24) L5	Aroclor-1248{3}	12.55	10.57	233761	478358	307.362	509.101	#
25) L5	Aroclor-1248{4}	13.47	10.84	372535	256653	524.485	295.901	#
26) L5	Aroclor-1248{5}	15.63	13.54	2685161	3370917	8088.775	9524.429	
Sum	Aroclor-1248			3459723	4325940	9274.643	10510.881	
Average	Aroclor-1248					1854.929	2627.720	
27) L6	Aroclor-1254{1}	11.63	9.85	291575	388390	779.353	630.110m	
28) L6	Aroclor-1254{2}	13.82	11.72	1461955	1700548	2463.662	1376.760	#
29) L6	Aroclor-1254{3}	15.63	12.24	2685161	1600892	2066.563	1619.971	
30) L6	Aroclor-1254{4}	16.57	13.54	2794107	3370917	4473.866	2407.436	#
31) L6	Aroclor-1254{5}	17.77	15.62	3446123	4260723	2841.250	3101.675	
Sum	Aroclor-1254			10678921	11321469	12624.694	9135.952	
Average	Aroclor-1254					2524.939	1827.190	
32) L7	Aroclor-1260{1}	0.00	13.99	0	1604581	N.D.	1462.534	#
33) L7	Aroclor-1260{2}	16.57	14.63	2794107	2195986	2370.100	1508.325	#
34) L7	Aroclor-1260{3}	18.97	15.62	908454	4260723	1094.998	2245.059	#
35) L7	Aroclor-1260{4}	19.51	17.45	854319	832772	445.744	373.472	
36) L7	Aroclor-1260{5}	20.84	18.45	572419	667347	366.317	409.715	
Sum	Aroclor-1260			5129299	9561410	4277.159	5999.104	
Average	Aroclor-1260					1069.290	1199.821	

12/4/97

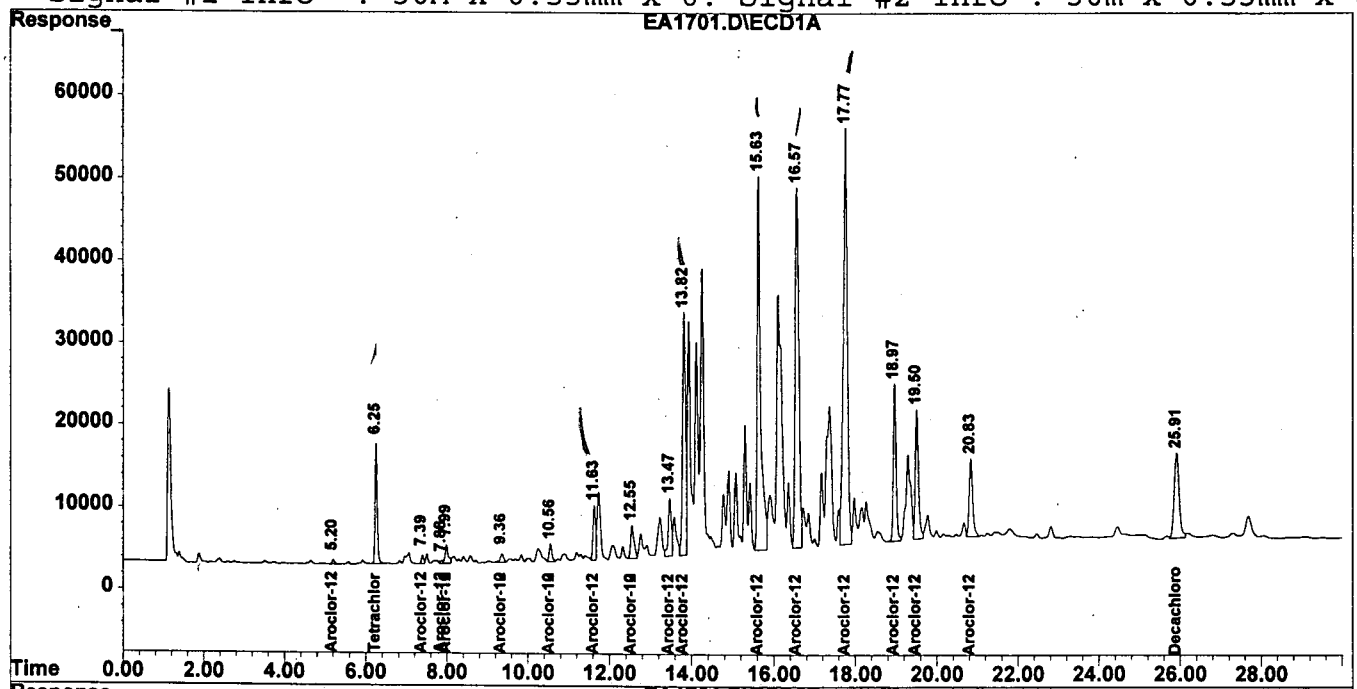
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

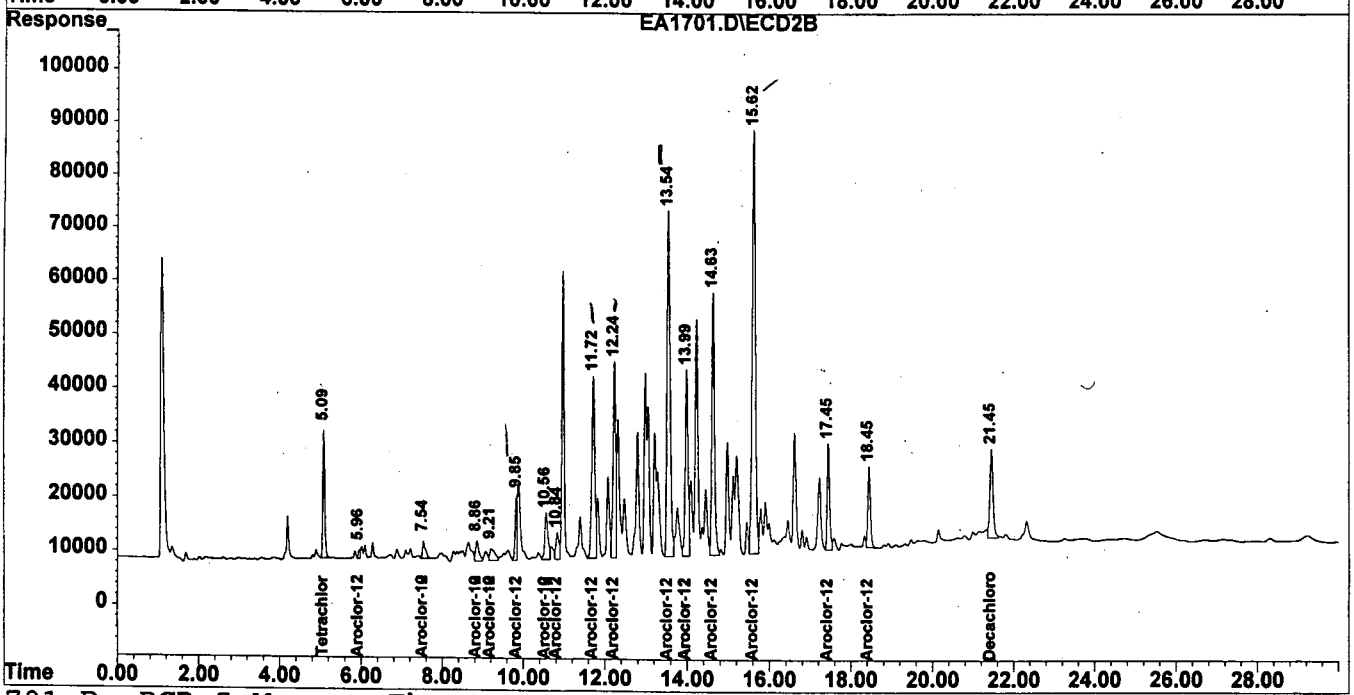
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_E\EA1701.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : 278151 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



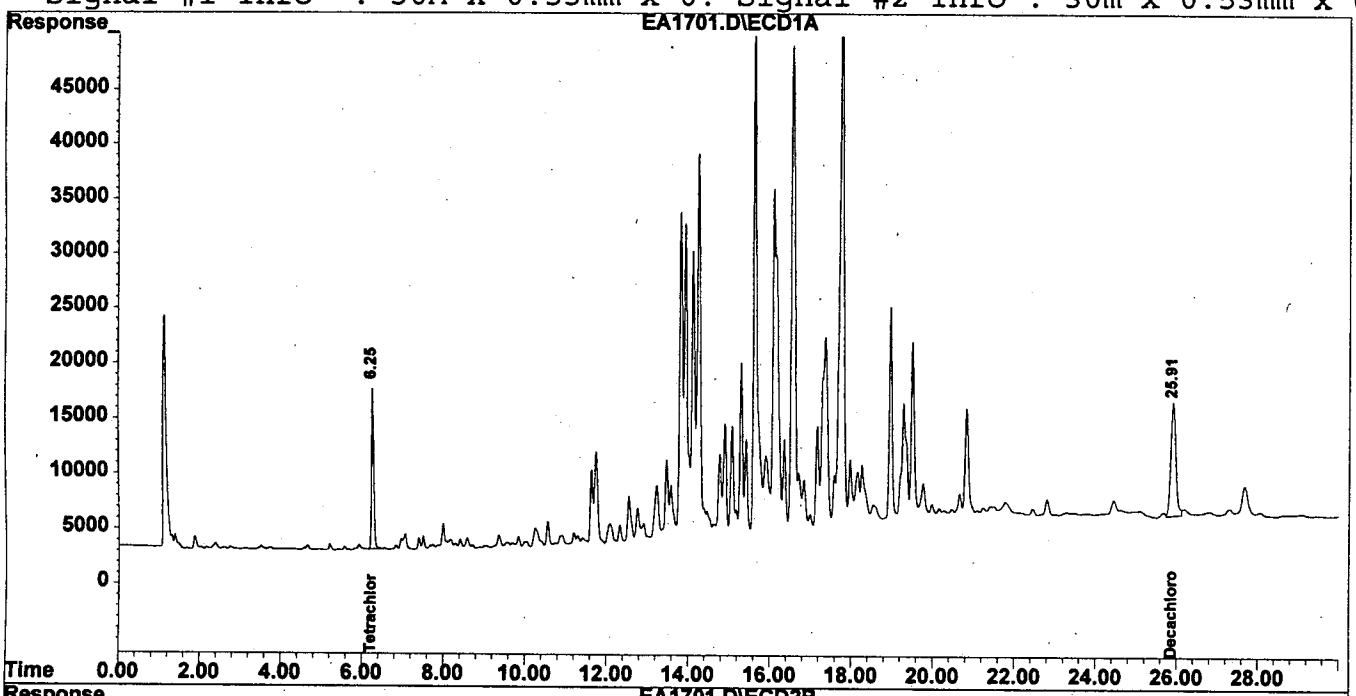


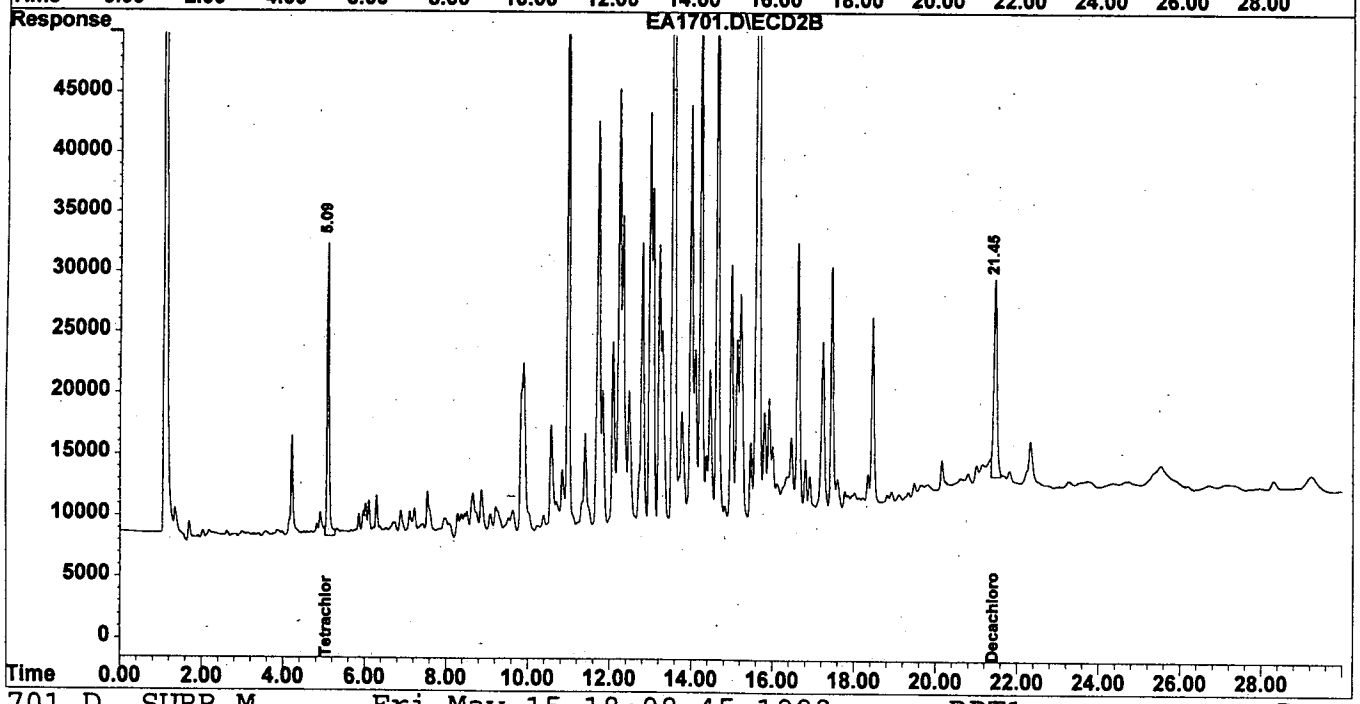
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1701.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDATA\EA1701.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : 278151 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278152
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	22.53%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	43	22
Aroclor-1221	U	U	86	60
Aroclor-1232	U	U	43	34
Aroclor-1242	U	U	43	22
Aroclor-1248	U	U	43	26
Aroclor-1254	400	U	43	30
Aroclor-1260	U	U	43	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD2B.CH
Acq On : 11 Dec 97 4:09 Operator:
Sample : 278152 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:24 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	639631	922738	46.492	46.396
Spiked Amount 40.000 Range 43 - 150 Recovery =					116.23%	115.99%
2) SA Decachlorobiphen	25.91	21.45	1006760	1041645	43.270m	47.936m
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.18%	119.84%
Target Compounds						
3) L1 Aroclor-1016{1}	8.07	0.00	33471	0	100.574	N.D. #
4) L1 Aroclor-1016{2}	9.33	7.54	32394	34280	47.781	39.362
5) L1 Aroclor-1016{3}	10.55	0.00	41320	0	32.357	N.D. #
6) L1 Aroclor-1016{4}	11.09	0.00	34397	0	77.784	N.D. #
7) L1 Aroclor-1016{5}	12.55	10.57	71616	163880	109.704	194.530 #
Sum Aroclor-1016			213198	198159	368.199	233.892
Average Aroclor-1016					73.640 NP	116.946 NP
9) L2 Aroclor-1221{2}	7.44	0.00	11680	0	123.087	N.D. #
11) L2 Aroclor-1221{4}	8.07	0.00	33471	0	82.059	N.D. #
Sum Aroclor-1221			45151	0	205.146	N.D.
Average Aroclor-1221					102.573 NP	0.000
12) L3 Aroclor-1232{1}	8.07	0.00	33471	0	115.499	N.D. #
13) L3 Aroclor-1232{2}	9.33	0.00	32394	0	104.313	N.D. #
14) L3 Aroclor-1232{3}	10.55	0.00	41320	0	81.248	N.D. #
15) L3 Aroclor-1232{4}	12.55	0.00	71616	0	227.064	N.D. #
16) L3 Aroclor-1232{5}	13.47	10.57	234621	163880	1034.301	429.891 #
Sum Aroclor-1232			413422	163880	1562.425	429.891
Average Aroclor-1232					312.485 NP	429.891 NP
17) L4 Aroclor-1242{1}	8.07	0.00	33471	0	128.428	N.D. #
18) L4 Aroclor-1242{2}	9.33	0.00	32394	0	60.258	N.D. #
19) L4 Aroclor-1242{3}	10.55	0.00	41320	0	42.509	N.D. #
20) L4 Aroclor-1242{4}	11.09	0.00	34397	0	103.682	N.D. #
21) L4 Aroclor-1242{5}	12.55	10.57	71616	163880	128.513	247.754 #
Sum Aroclor-1242			213198	163880	463.390	247.754
Average Aroclor-1242					92.678 NP	247.754 NP

QC 289

MW 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1702.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDATA\EA1702.D\ECD2B.CH
Acq On : 11 Dec 97 4:09 Operator:
Sample : 278152 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	639631	937663	44.971	43.305
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.43%	108.26%
2) SA Decachlorobiphen	25.91	21.45	1018100	1278574	43.287	56.044 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.22%	140.11%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD2B.CH
Acq On : 11 Dec 97 4:09 Operator:
Sample : 278152 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:24 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22) L5	Aroclor-1248{1}	9.33	0.00	32394	0	112.671	N.D.	#
23) L5	Aroclor-1248{2}	10.55	0.00	41320	0	49.257	N.D.	#
24) L5	Aroclor-1248{3}	12.55	10.57	71616	163880	94.165	174.412	#
25) L5	Aroclor-1248{4}	13.47	10.84	234621	100080	330.319	115.385	#
26) L5	Aroclor-1248{5}	15.63	13.54	1274408	1596958	3839.026	4512.161	
Sum	Aroclor-1248			1654360	1860919	4425.438	4801.957	
Average	Aroclor-1248					885.088 NP	1600.652 NP	
27) L6	Aroclor-1254{1}	11.63	9.83	149101	401992	398.533	652.177m	#
28) L6	Aroclor-1254{2}	13.83	11.72	534708	899450	901.080	728.193	
29) L6	Aroclor-1254{3}	15.63	12.24	1274408	874606	980.815	885.030	
30) L6	Aroclor-1254{4}	16.55	13.54	798933	1596958	1279.235	1140.514	
31) L6	Aroclor-1254{5}	17.77	15.62	1440759	1735410	1187.873	1263.325	
Sum	Aroclor-1254			4197910	5508416	4747.537	4669.238	
Average	Aroclor-1254					949.507	933.848	
32) L7	Aroclor-1260{1}	0.00	13.99	0	911783	N.D.	831.066	#
33) L7	Aroclor-1260{2}	16.55	14.63	798933	1059237	677.695	727.543	
34) L7	Aroclor-1260{3}	18.97	15.62	383821	1735410	462.635	914.422	#
35) L7	Aroclor-1260{4}	19.50	17.45	333005	308183	173.747	138.210	
36) L7	Aroclor-1260{5}	20.83	18.45	183109	254592	117.180	156.306	#
Sum	Aroclor-1260			1698868	4269205	1431.256	2767.547	
Average	Aroclor-1260					357.814 NP	553.509 NP	

00 290

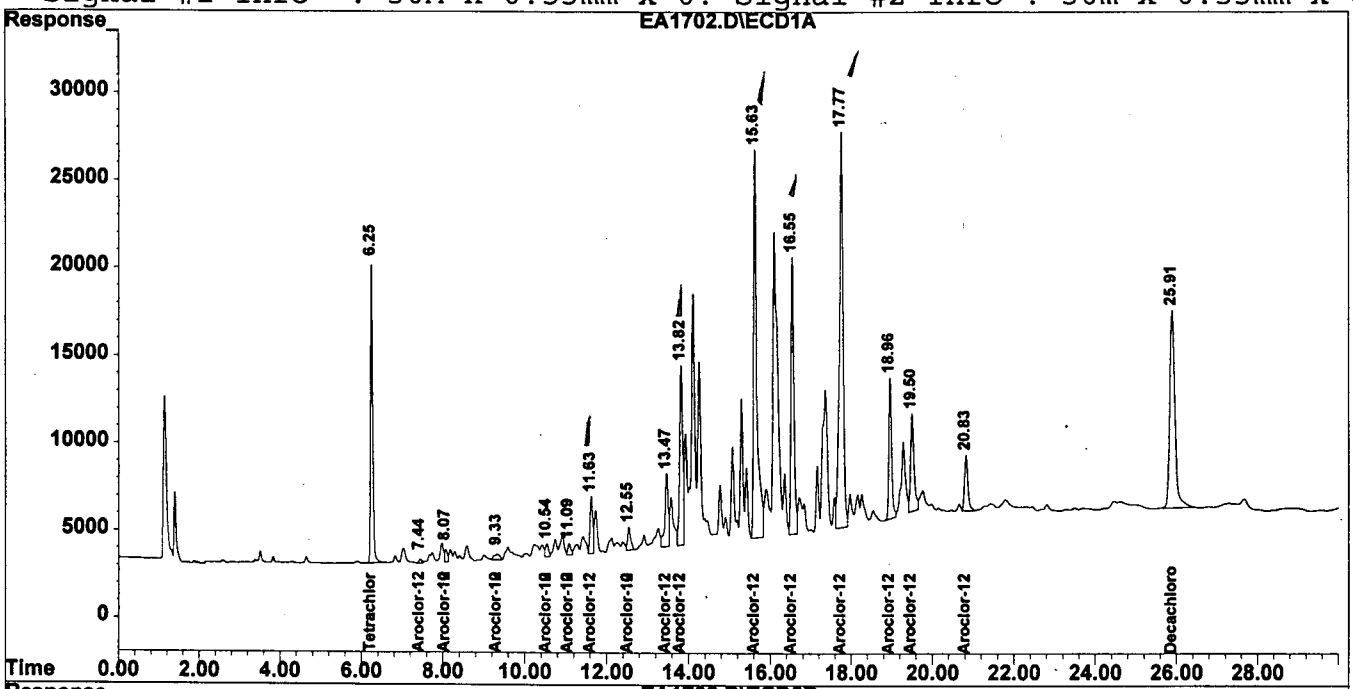
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

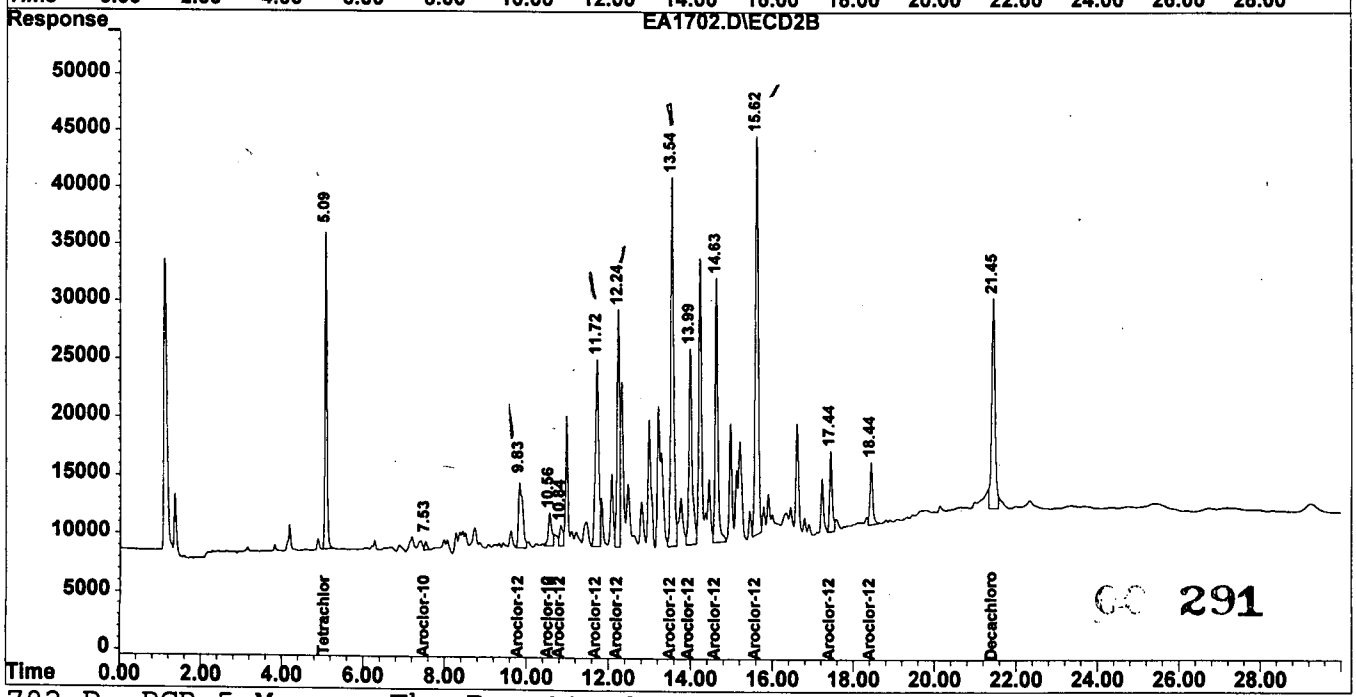
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1702.D\ECD2B.CH
Acq On : 11 Dec 97 4:09 Operator:
Sample : 278152 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:24 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





GC 291

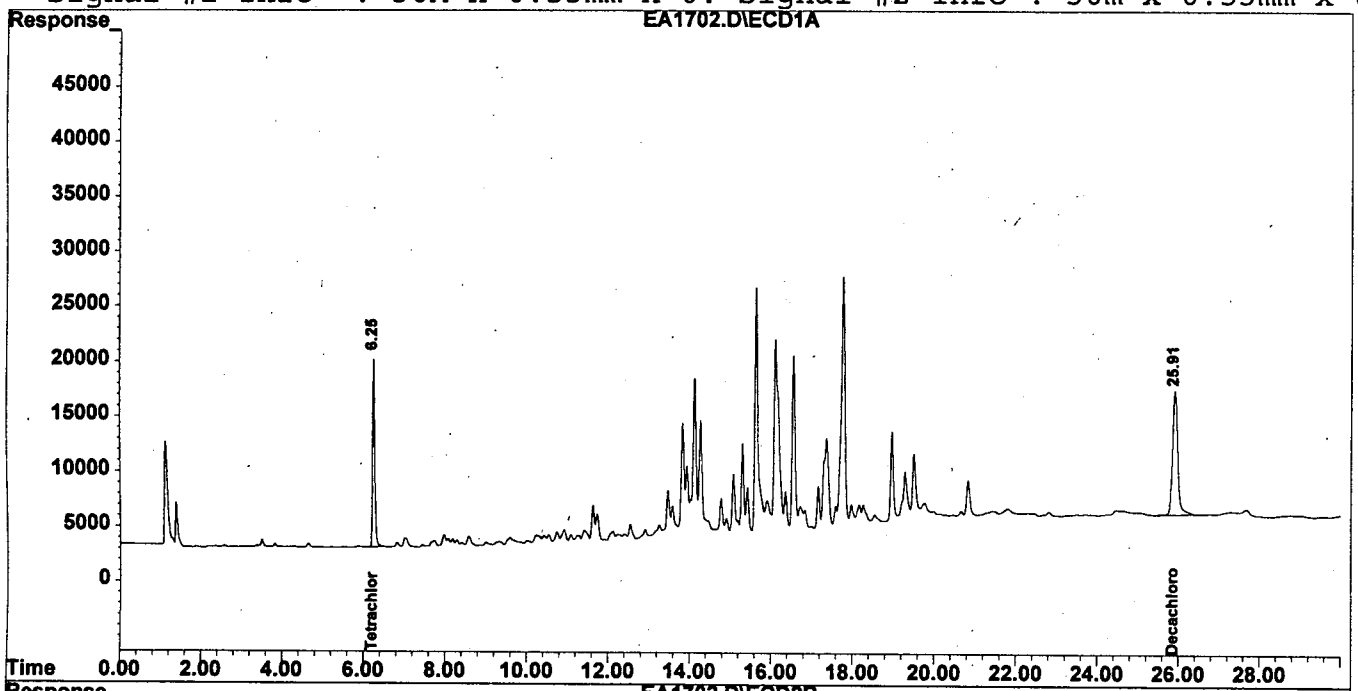
Quantitation Report

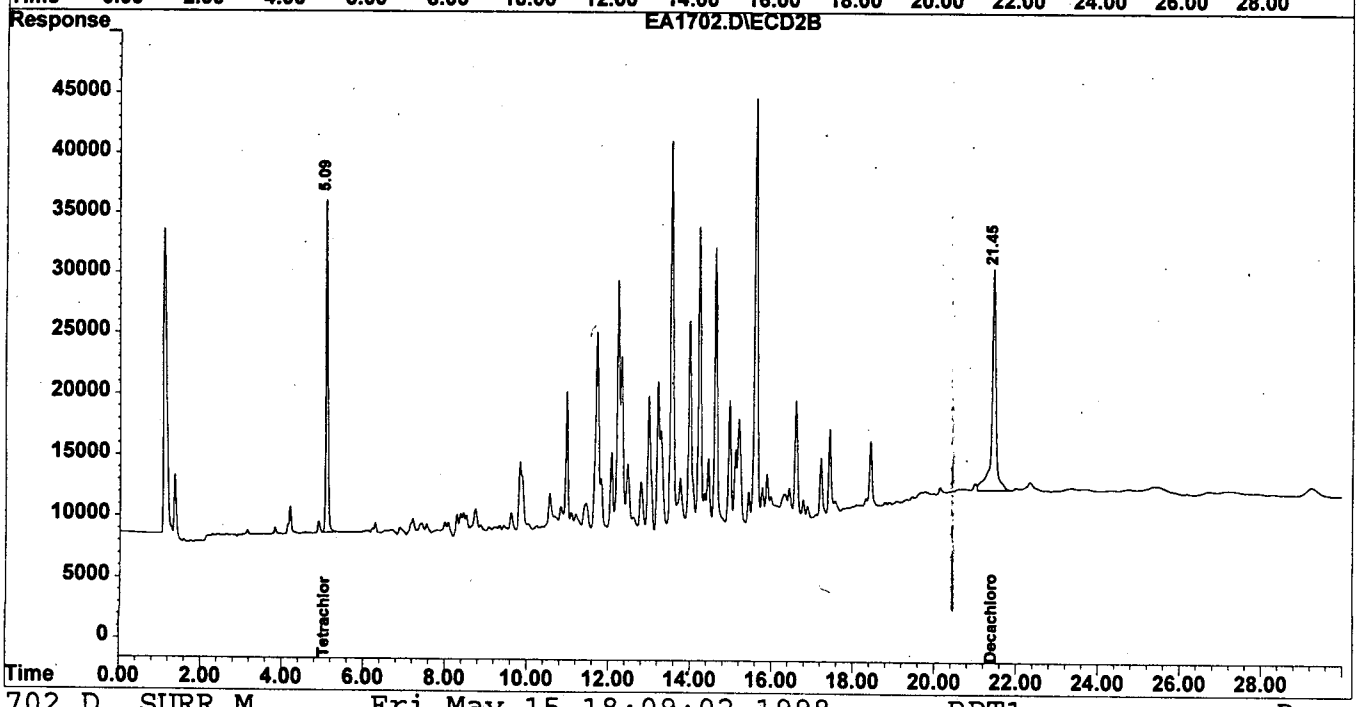
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1702.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDATA\EA1702.D\ECD2B.CH
Acq On : 11 Dec 97 4:09 Operator:
Sample : 278152 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





291A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278153
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	19.41%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	21
Aroclor-1221	U	U	83	58
Aroclor-1232	U	U	41	33
Aroclor-1242	U	U	41	21
Aroclor-1248	U	U	41	25
Aroclor-1254	240	U	41	29
Aroclor-1260	U	U	41	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD2B.CH
Acq On : 11 Dec 97 4:42 Operator:
Sample : 278153 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	636205	906905	46.243	45.600
Spiked Amount 40.000 Range 43 - 150 Recovery =					115.61%	114.00%
2) SA Decachlorobiphen	25.91	21.45	959734	948322	41.249m	43.642m
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.12%	109.11%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	126846	0	381.148	N.D. #
4) L1 Aroclor-1016{2}	9.35	0.00	23508	0	34.673	N.D. #
5) L1 Aroclor-1016{3}	10.55	8.86	28957	110778	22.675	59.692 #
6) L1 Aroclor-1016{4}	11.09	0.00	23179	0	52.415	N.D. #
7) L1 Aroclor-1016{5}	12.55	10.57	54075	229365	82.834	272.262 #
Sum Aroclor-1016			256564	340143	573.746	331.954
Average Aroclor-1016					114.749 ng	165.977 ng
11) L2 Aroclor-1221{4}	7.99	8.86	126846	110778	310.980	806.548 #
Sum Aroclor-1221			126846	110778	310.980	806.548
Average Aroclor-1221					310.980 ng	806.548 ng
12) L3 Aroclor-1232{1}	7.99	0.00	126846	0	437.711	N.D. #
13) L3 Aroclor-1232{2}	9.35	0.00	23508	0	75.697	N.D. #
14) L3 Aroclor-1232{3}	10.55	8.86	28957	110778	56.938	147.232 #
15) L3 Aroclor-1232{4}	12.55	0.00	54075	0	171.449	N.D. #
16) L3 Aroclor-1232{5}	13.47	10.57	175233	229365	772.496	601.672
Sum Aroclor-1232			408619	340143	1514.293	748.905
Average Aroclor-1232					302.859 ng	374.452 ng
17) L4 Aroclor-1242{1}	7.99	0.00	126846	0	486.709	N.D. #
18) L4 Aroclor-1242{2}	9.35	0.00	23508	0	43.728	N.D. #
19) L4 Aroclor-1242{3}	10.55	8.86	28957	110778	29.790	79.423 #
20) L4 Aroclor-1242{4}	11.09	0.00	23179	0	69.867	N.D. #
21) L4 Aroclor-1242{5}	12.55	10.57	54075	229365	97.036	346.755 #
Sum Aroclor-1242			256564	340143	727.130	426.178
Average Aroclor-1242					145.426 ng	213.089 ng
22) L5 Aroclor-1248{1}	9.35	0.00	23508	0	81.763	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : E:\WESTDATA\EA1703.D\ECD1A.CH AMENDED REPORT Vial: 32 MAY 30 1998
Signal #2 : E:\WESTDATA\EA1703.D\ECD2B.CH
Acq On : 11 Dec 97 4:42 Operator:
Sample : 278153 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	636205	920847	44.730	42.529
Spiked Amount 40.000 Range 43 - 150 Recovery =					111.83%	106.32%
2) SA Decachlorobiphen	25.91	21.45	991963	944453	42.176	41.398m
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.44%	103.50%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

2 9 3/4A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD2B.CH
Acq On : 11 Dec 97 4:42 Operator:
Sample : 278153 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{2}	10.55	8.86	28957	110778	34.519	91.362	#
24) L5	Aroclor-1248{3}	12.55	10.57	54075	229365	71.101	244.105	#
25) L5	Aroclor-1248{4}	13.47	10.84	175233	97108	246.708	111.958	#
26) L5	Aroclor-1248{5}	15.63	13.55	689068	939150	2075.748	2653.540	#
Sum	Aroclor-1248			970841	1376401	2509.839	3100.966	
Average	Aroclor-1248					501.968 µP	775.241 µP	
27) L6	Aroclor-1254{1}	11.63	9.84	67520	125347	180.474	203.359	
28) L6	Aroclor-1254{2}	13.83	11.72	299067	475861	503.983	385.256	
29) L6	Aroclor-1254{3}	15.63	12.24	689068	490389	530.323	496.233	
30) L6	Aroclor-1254{4}	16.56	13.55	790404	939150	1265.578	670.720	#
31) L6	Aroclor-1254{5}	17.77	15.62	1246467	1569514	1027.684	1142.558	
Sum	Aroclor-1254			3092526	3600260	3508.041	2898.126	
Average	Aroclor-1254					701.608	579.625	
32) L7	Aroclor-1260{1}	0.00	14.00	0	641050	N.D.	584.300	#
33) L7	Aroclor-1260{2}	16.56	14.63	790404	908868	670.460	624.261	
34) L7	Aroclor-1260{3}	18.97	15.62	345060	1569514	415.916	827.008	#
35) L7	Aroclor-1260{4}	19.50	17.45	350778	262775	183.020	117.846	#
36) L7	Aroclor-1260{5}	20.83	18.45	196116	233290	125.503	143.228	
Sum	Aroclor-1260			1682358	3615497	1394.899	2296.643	
Average	Aroclor-1260					348.725 µP	459.329 µP	

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12/11/97

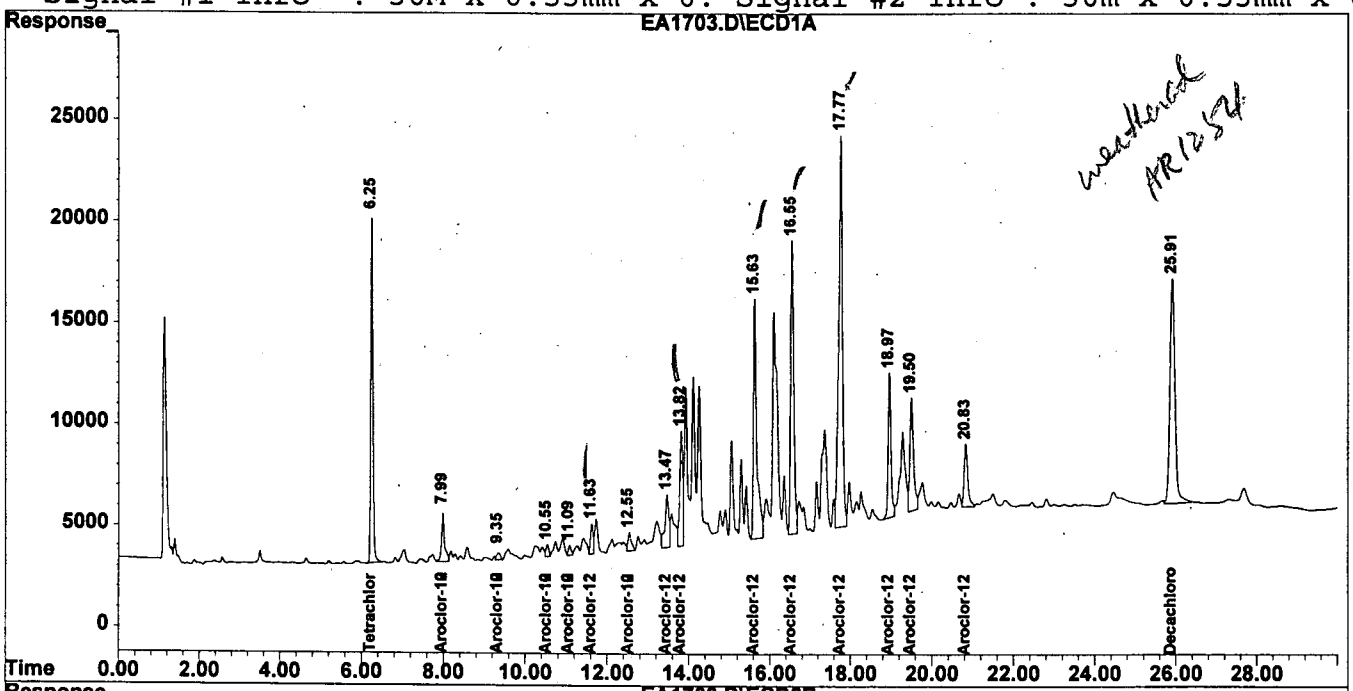
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

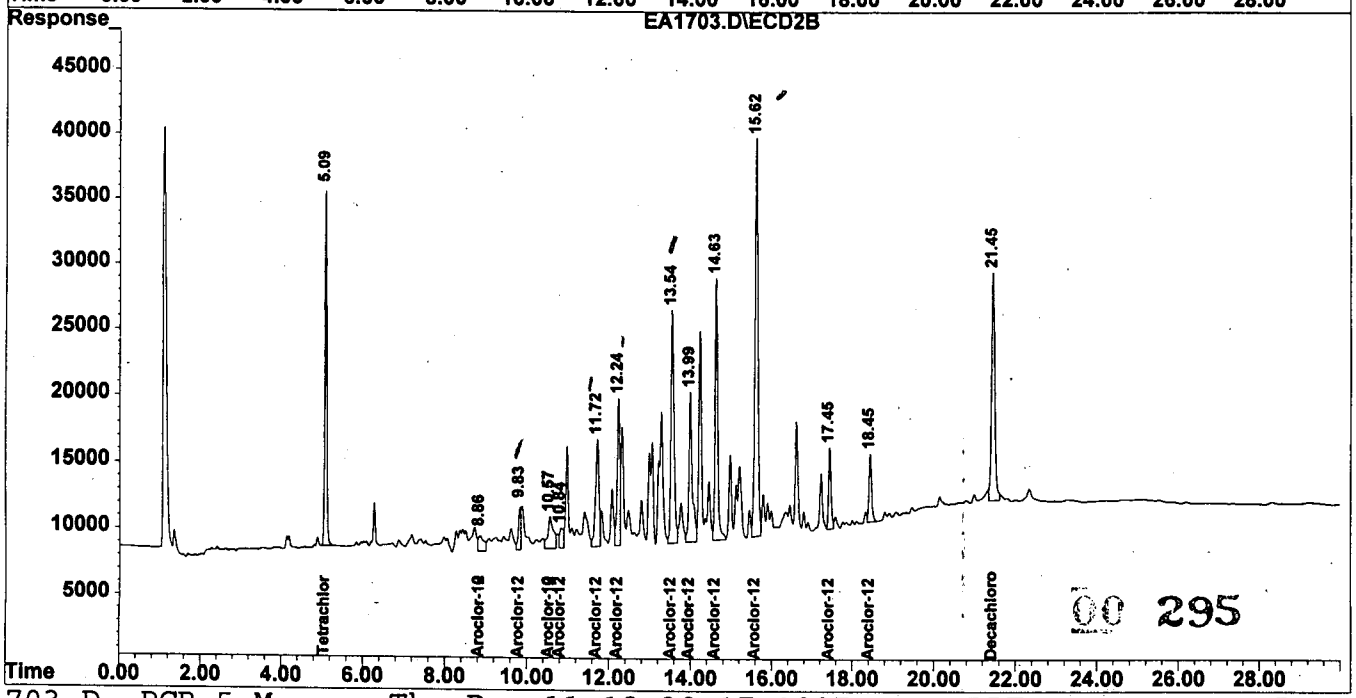
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_E\EA1703.D\ECD2B.CH
Acq On : 11 Dec 97 4:42 Operator:
Sample : 278153 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





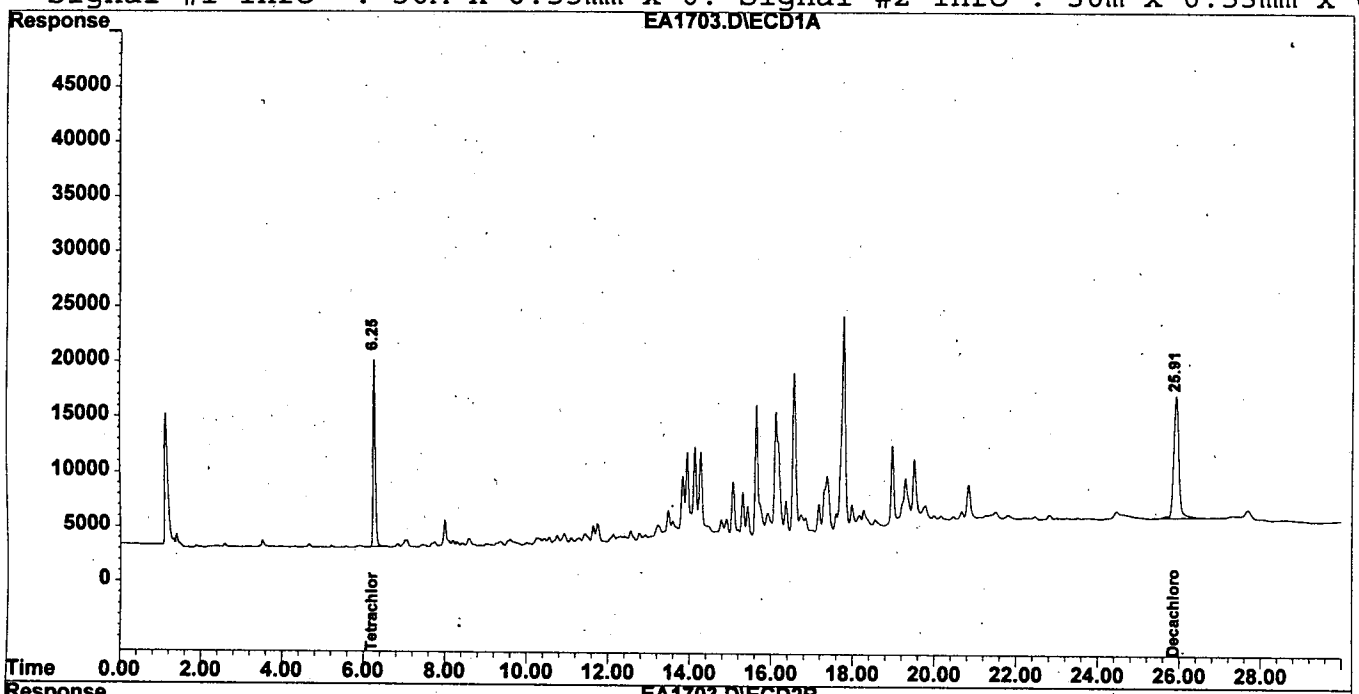
00 295

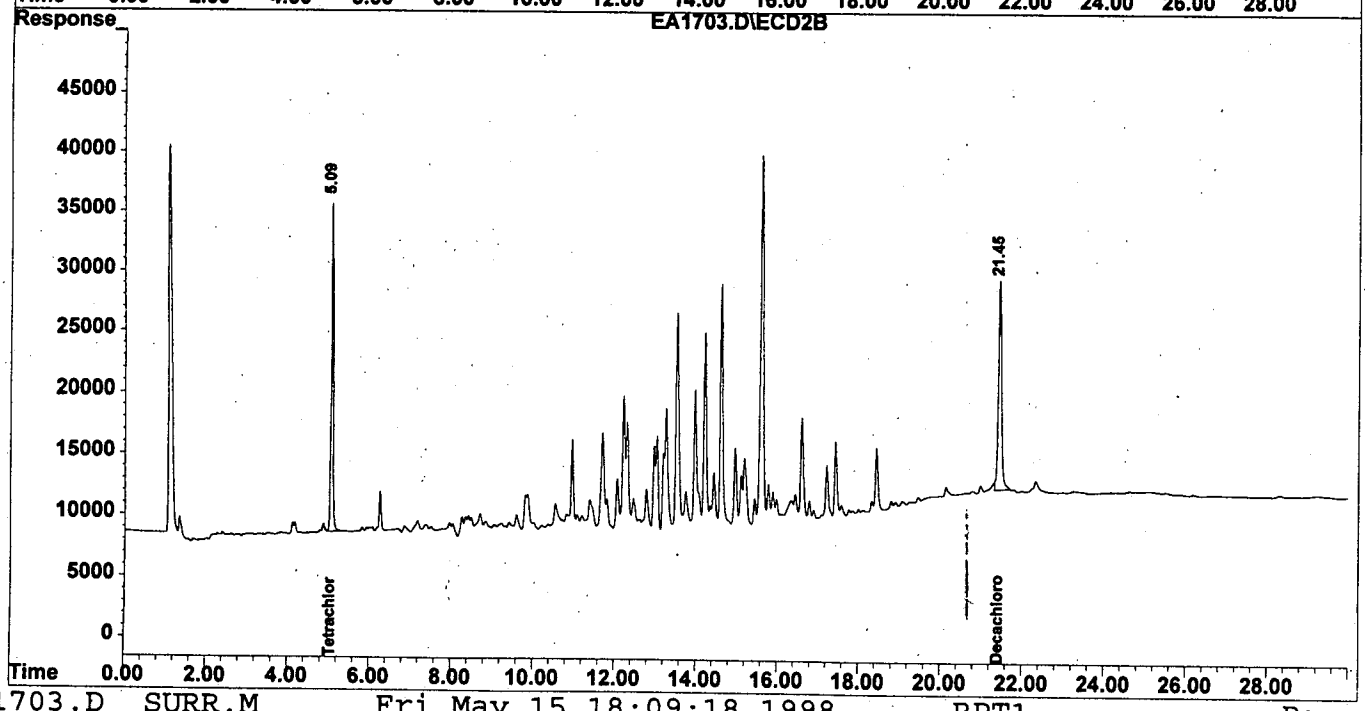
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1703.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDATA\EA1703.D\ECD2B.CH
Acq On : 11 Dec 97 4:42 Operator:
Sample : 278153 Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278154
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	31.63%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	49	24
Aroclor-1221	U	U	98	68
Aroclor-1232	U	U	49	39
Aroclor-1242	U	U	49	24
Aroclor-1248	U J	U	49	29
Aroclor-1254	2000 J	U	49	34
Aroclor-1260	U	U	49	39

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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LOU

J AR1254 1 pks conc. 25 ppm
J AR1248 1 pks 3 CCV 45

~~296~~ 7100 5/27/98

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD2B.CH
Acq On : 8 Dec 97 21:20 Operator:
Sample : 278154 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:53 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
) SA Tetrachloro-m-xy	7.14	5.95	262608	176365	28.988	27.229	
Spiked Amount 40.000 Range 43 - 150 Recovery =					72.47%	68.07%	
2) SA Decachlorobiphen	29.28	24.56	445755	274080	29.621	30.734	
Spiked Amount 40.000 Range 24 - 154 Recovery =					74.05%	76.84%	
Target Compounds							
) L1 Aroclor-1016{1}	9.24	8.86	28397	33867	133.406	116.374	
) L1 Aroclor-1016{2}	10.60	10.27	62293	97106	132.121	171.539	#
5) L1 Aroclor-1016{3}	11.91	10.68	115633	90818	140.581	338.947	#
) L1 Aroclor-1016{4}	0.00	12.19	0	238122	N.D.	928.208	#
) L1 Aroclor-1016{5}	13.20	14.04	419964	941785	1286.142	6385.854	#
Sum Aroclor-1016			626286	1401697	1692.250	7940.921	
Average Aroclor-1016					423.062	1588.184	
10) L2 Aroclor-1221{3}	9.09	0.00	145040	0	479.149	N.D.	#
Sum Aroclor-1221			145040	0	479.149	N.D.	
Average Aroclor-1221					479.149	0.000	
11) L3 Aroclor-1232{1}	0.00	8.86	0	33867	N.D.	234.017	#
1) L3 Aroclor-1232{2}	9.09	10.05	145040	119755	709.714	2866.640	#
1) L3 Aroclor-1232{3}	10.60	11.37	62293	185493	287.001	2226.782	#
14) L3 Aroclor-1232{4}	11.91	13.12	115633	85163	329.407	1505.318	#
Sum Aroclor-1232			322966	424279	1326.122	6832.758	
Average Aroclor-1232					442.041	1708.189	
15) L4 Aroclor-1242{1}	9.09	8.86	145040	33867	791.207	135.529	#
1) L4 Aroclor-1242{2}	10.60	10.05	62293	119755	169.882	1560.269	#
1) L4 Aroclor-1242{3}	11.34	11.03	40711	16345	367.215	101.332	#
18) L4 Aroclor-1242{4}	12.85	12.19	43924	238122	254.994	1029.000	#
1) L4 Aroclor-1242{5}	14.09	0.00	226699	0	623.844	N.D.	#
Sum Aroclor-1242			518667	408089	2207.142	2826.130	
Average Aroclor-1242					441.428	706.532	
2) L5 Aroclor-1248{1}	10.60	10.27	62293	97106	321.103	233.142	#
2) L5 Aroclor-1248{2}	11.91	12.19	115633	238122	206.681	702.672	#

See p. 298B

00 297

723 14/5/12

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD2B.CH
Acq On : 8 Dec 97 21:20
Sample : 278154
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:53 1997 Quant Results File: PCB_2.RES

Vial: 13
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5 Aroclor-1248{3}	13.20	12.49	419964	148333	1016.079	468.607 #
23) L5 Aroclor-1248{4}	14.09	13.48	226699	1079755	456.744	4012.783 #
24) L5 Aroclor-1248{5}	0.00	15.50	0	2329345	N.D.	18493.881 #
Sum Aroclor-1248			824588	3892661	2000.607	23911.084
Average Aroclor-1248					500.152	4782.217
					no	no
25) L6 Aroclor-1254{1}	14.09	11.42	226699	448240	1670.171	2033.134m
26) L6 Aroclor-1254{2}	15.47	13.48	2310994	1079755	6268.289	2578.370 #
27) L6 Aroclor-1254{3}	15.80	14.90	1480055	1029519	3211.615	6886.928 #
28) L6 Aroclor-1254{4}	18.45	15.50	2283002	2329345	5632.975	4793.584
29) L6 Aroclor-1254{5}	19.78	17.80	4605164	2750658	5336.199	6052.879
Sum Aroclor-1254			10905913	7637517	22119.249	22344.895
Average Aroclor-1254					4423.850	4468.979
30) L7 Aroclor-1260{1}	18.04	15.99	1653802	1198823	3177.687	3517.402
31) L7 Aroclor-1260{2}	18.45	16.70	2283002	1250984	3708.897	3077.107
32) L7 Aroclor-1260{3}	20.01	17.80	377380	2750658	827.067	5333.404 #
33) L7 Aroclor-1260{4}	21.09	19.82	1245569	579115	2673.228	924.882 #
34) L7 Aroclor-1260{5}	21.68	20.93	1114867	464681	864.825	983.780
Sum Aroclor-1260			6674620	6244260	11251.704	13836.575
Average Aroclor-1260					2250.341	2767.315
					no	no

See page 298A

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0778.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0778.D\ECD2B.CH
Acq On : 8 Dec 97 21:20 Operator:
Sample : 278154 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:04 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	258115	169014	13.774	13.213
Spiked Amount 40.000 Range 43 - 150 Recovery =					34.44%#	33.03%#
2) SA Decachlorobiphen	29.28	24.56	445755	270799	20.213	29.153 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					50.53%	72.88%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.37	220210	181140	1622.910m	815.272 #
4) L6 Aroclor-1254{2}	15.47	13.48	2290561	1074552	5971.505	2563.901 #
5) L6 Aroclor-1254{3}	15.80	14.90	1465779	1008373	2784.728	6725.590 #
6) L6 Aroclor-1254{4}	18.45	15.50	2269119	2289263	5292.038	4603.015
7) L6 Aroclor-1254{5}	19.78	17.80	4593347	2731705	5289.230	5700.916
Sum Aroclor-1254			10839016	7285033	20960.411	20408.694
Average Aroclor-1254					4192.082	4081.739

Conc 75000

use RTx-1701 result

2 9 8A

7/35/11/D ~~2 9 7A~~ 700

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0778A.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0778A.D\ECD2B.CH
Acq On : 8 Dec 97 21:20 Operator:
Sample : 278154 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	258115	169014	27.746	27.970
Spiked Amount 40.000 Range 43 - 150 Recovery =					69.36%	69.93%
2) SA Decachlorobiphen	29.28	24.56	445755	270799	29.516	32.597
Spiked Amount 40.000 Range 24 - 154 Recovery =					73.79%	81.49%

Target Compounds

298β 5/30/8

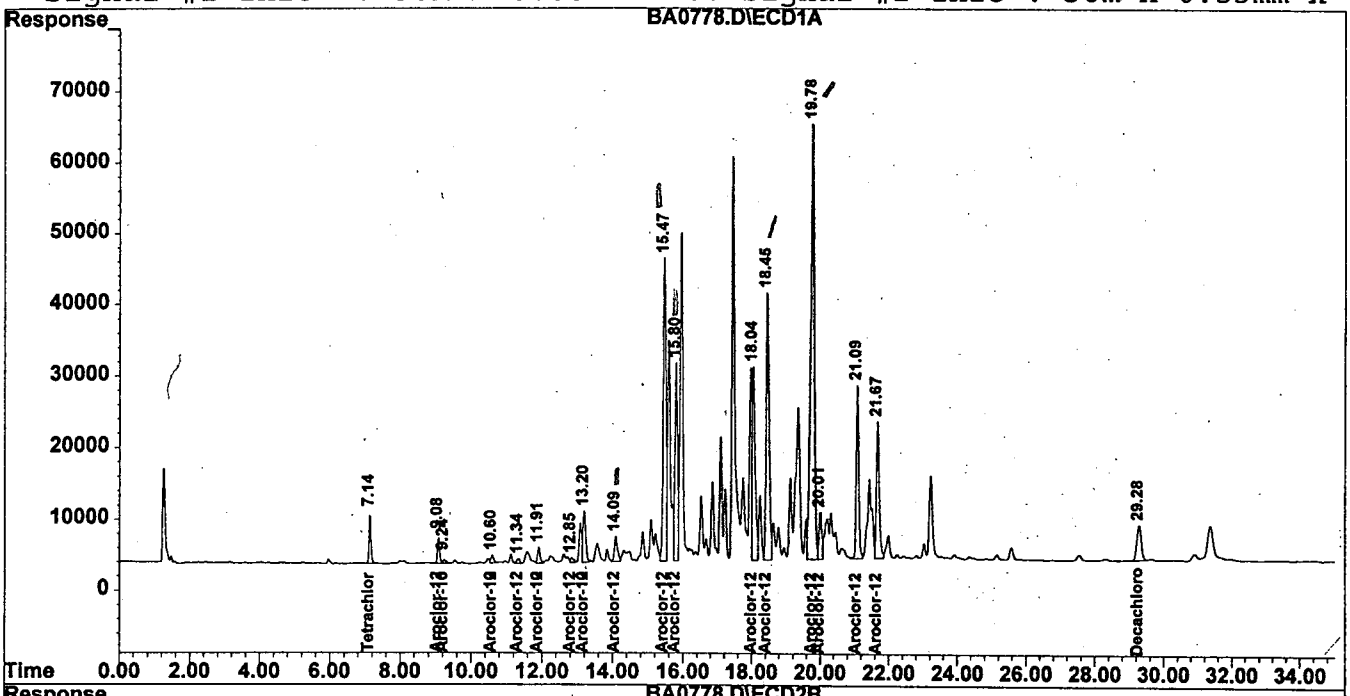
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

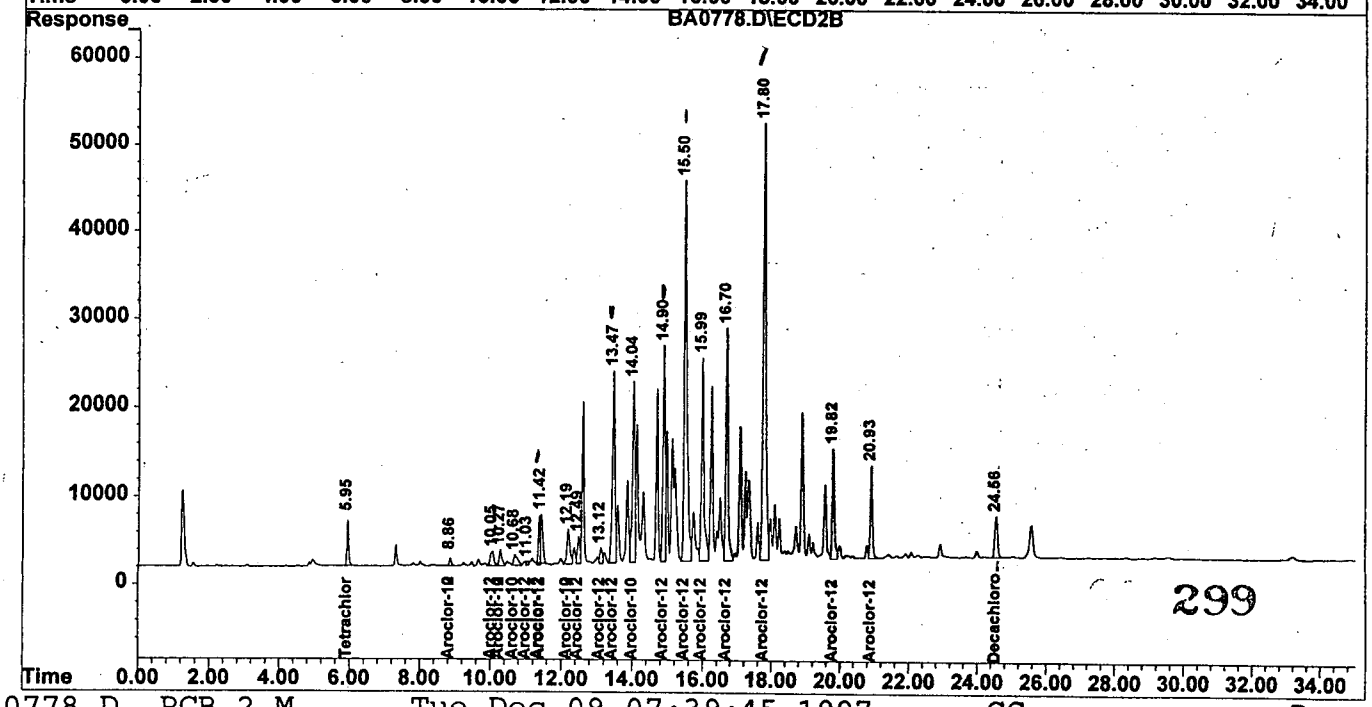
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_B\BA0778.D\ECD2B.CH
Acq On : 8 Dec 97 21:20 Operator:
Sample : 278154 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:53 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

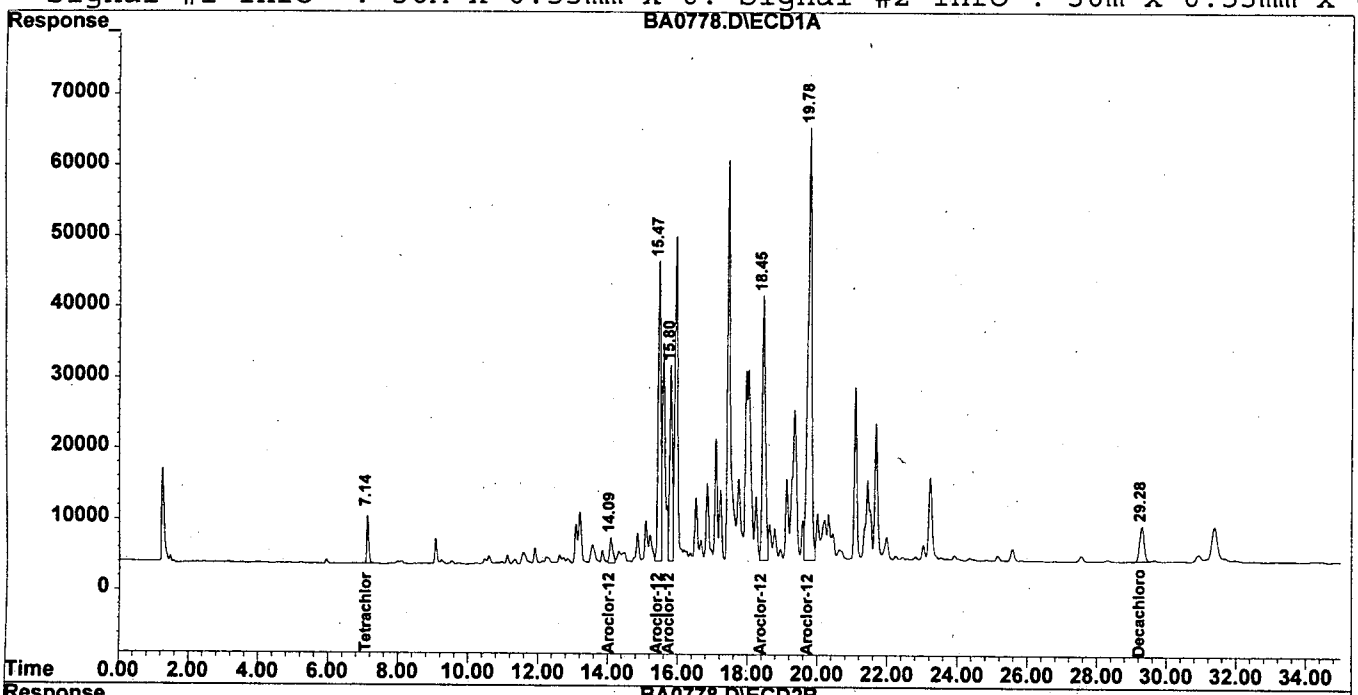
AMENDED REPORT MAY 2 0 1998

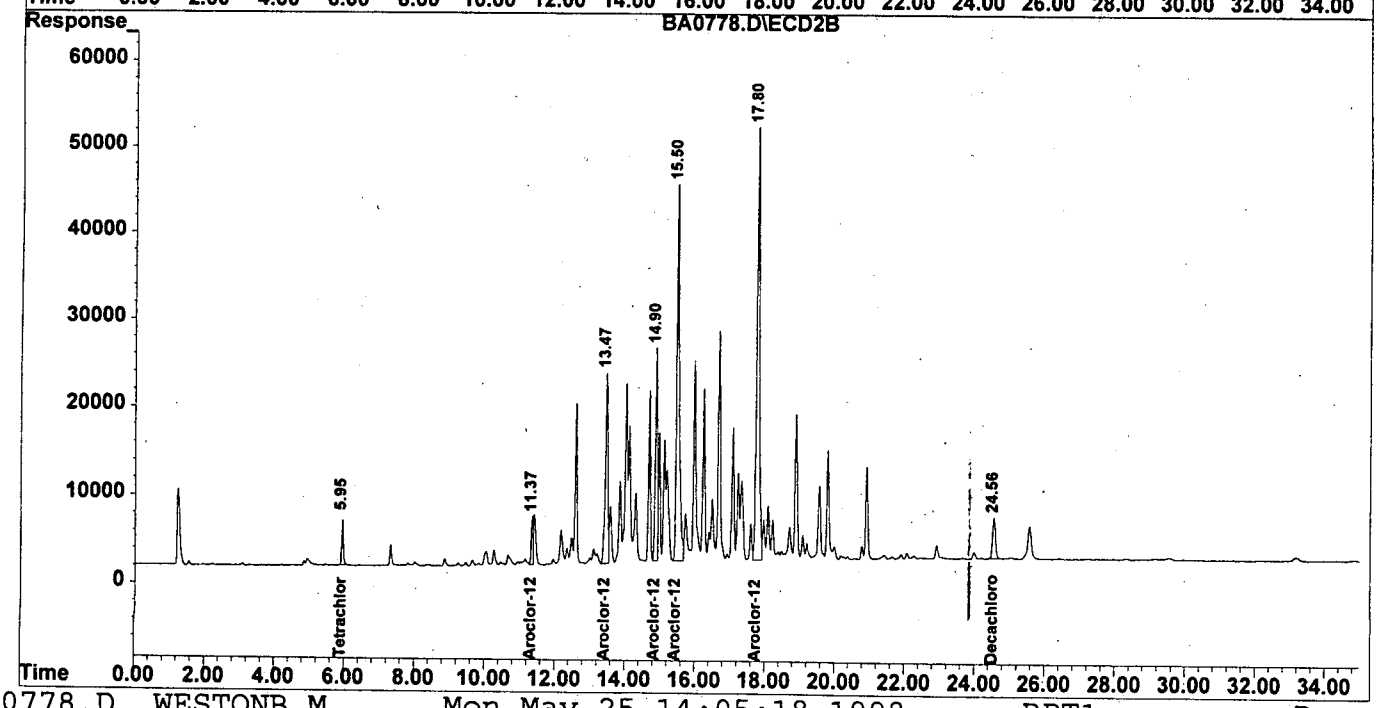
Signal #1 : E:\WESTDA~1\BA0778.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0778.D\ECD2B.CH
Acq On : 8 Dec 97 21:20
Sample : 278154
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:04 1998 Quant Results File: WESTONB.RES

Vial: 13
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



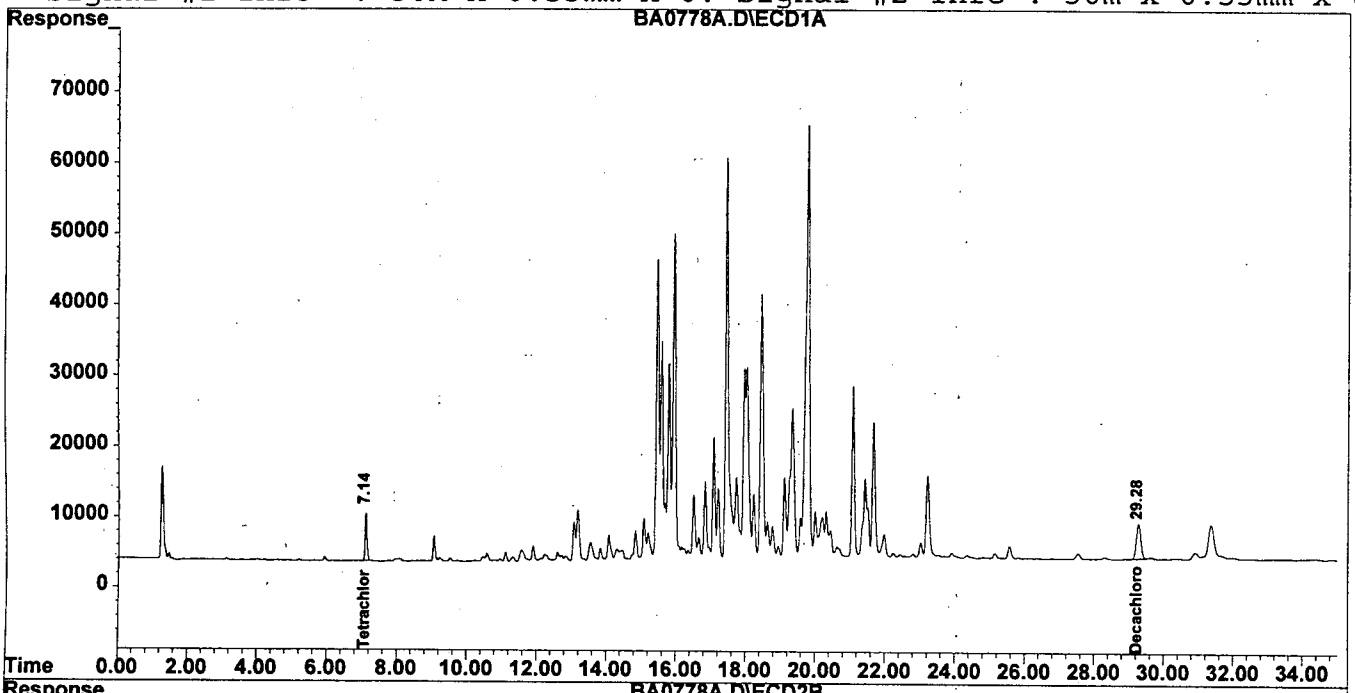


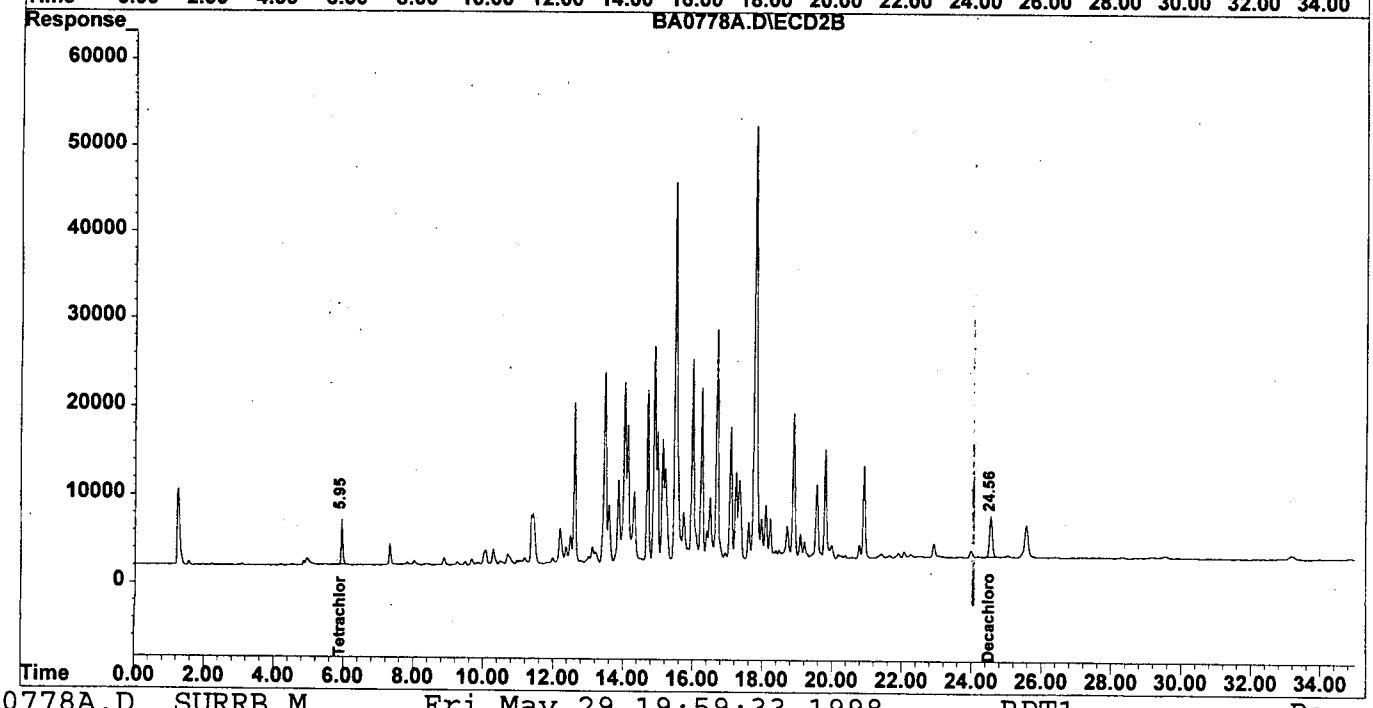
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0778A.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0778A.D\ECD2B.CH
Acq On : 8 Dec 97 21:20 Operator:
Sample : 278154 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278155
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	33.39%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	50	25
Aroclor-1221	U	U	100	70
Aroclor-1232	U	U	50	40
Aroclor-1242	U	U	50	25
Aroclor-1248	U J	U	50	30
Aroclor-1254	1700	U	50	35
Aroclor-1260	U	U	50	40

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.95	247669	168395	27.339	25.999	
Spiked Amount 40.000 Range 43 - 150 Recovery =					68.35%	65.00%	
2) SA Decachlorobiphen	29.28	24.56	402188	268096	26.726	30.063	
Spiked Amount 40.000 Range 24 - 154 Recovery =					66.82%	75.16%	
Target Compounds							
4) L1 Aroclor-1016{1}	9.24	8.86	14260	31017	66.990	106.583	#
5) L1 Aroclor-1016{2}	10.60	10.27	45839	74691	97.222	131.943	#
5) L1 Aroclor-1016{3}	11.91	10.67	98196	122804	119.382	458.324	#
6) L1 Aroclor-1016{4}	0.00	12.19	0	240843	N.D.	938.815	#
7) L1 Aroclor-1016{5}	13.20	14.04	492911	900638	1509.545	6106.850	#
Sum Aroclor-1016			651206	1369993	1793.139	7742.515	
Average Aroclor-1016					448.285	1548.503	
10) L2 Aroclor-1221{3}	9.08	0.00	93996	0	310.520	N.D.	#
Sum Aroclor-1221			93996	0	310.520	N.D.	
Average Aroclor-1221					310.520	0.000	
11) L3 Aroclor-1232{1}	0.00	8.86	0	31017	N.D.	214.328	#
12) L3 Aroclor-1232{2}	9.08	10.05	93996	110339	459.941	2641.246	#
13) L3 Aroclor-1232{3}	10.60	11.37	45839	214095	211.192	2570.139	#
14) L3 Aroclor-1232{4}	11.91	13.12	98196	64192	279.734	1134.643	#
Sum Aroclor-1232			238030	419644	950.867	6560.356	
Average Aroclor-1232					316.956	1640.089	
15) L4 Aroclor-1242{1}	9.08	8.86	93996	31017	512.753	124.126	#
16) L4 Aroclor-1242{2}	10.60	10.05	45839	110339	125.009	1437.590	#
17) L4 Aroclor-1242{3}	11.34	11.03	28179	13120	254.172	81.337	#
18) L4 Aroclor-1242{4}	12.84	12.19	26615	240843	154.509	1040.758	#
19) L4 Aroclor-1242{5}	14.09	0.00	258683	0	711.859	N.D.	#
Sum Aroclor-1242			453311	395320	1758.303	2683.811	
Average Aroclor-1242					351.661	670.953	
20) L5 Aroclor-1248{1}	10.60	10.27	45839	74691	236.286	179.327	
21) L5 Aroclor-1248{2}	11.91	12.19	98196	240843	175.515	710.702	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{3}	13.20	12.49	492911	131316	1192.571	414.848	#
23)	L5 Aroclor-1248{4}	14.09	13.48	258683	1004255	521.184	3732.196	#
24)	L5 Aroclor-1248{5}	0.00	15.50	0	1952517	N.D.	15502.047	#
	Sum Aroclor-1248			895629	3403623	2125.557	20539.120	
	Average Aroclor-1248					531.389	4107.824	
25)	L6 Aroclor-1254{1}	14.09	11.37	258683	214095	1905.808	971.096	#
26)	L6 Aroclor-1254{2}	15.48	13.48	1710239	1004255	4638.814	2398.082	#
27)	L6 Aroclor-1254{3}	15.80	14.89	1422490	748815	3086.702	5009.168	#
28)	L6 Aroclor-1254{4}	18.45	15.50	1773783	1952517	4376.550	4018.106	
29)	L6 Aroclor-1254{5}	19.78	17.80	3514403	2246092	4072.288	4942.573	
	Sum Aroclor-1254			8679596	6165774	18080.162	17339.025	
	Average Aroclor-1254					3616.032	3467.805	
30)	L7 Aroclor-1260{1}	18.04	15.99	1348685	1036551	2591.423	3041.290	
31)	L7 Aroclor-1260{2}	18.45	16.70	1773783	1028135	2881.634	2528.954	
32)	L7 Aroclor-1260{3}	20.01	17.80	278996	2246092	611.448	4355.074	#
33)	L7 Aroclor-1260{4}	21.09	19.82	984147	438441	2112.167	700.218	#
34)	L7 Aroclor-1260{5}	21.68	20.93	854436	362444	662.804	767.334	
	Sum Aroclor-1260			5240047	5111664	8859.476	11392.869	
	Average Aroclor-1260					1771.895	2278.574	

Lab Q.302A

302

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0779.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDA~1\BA0779.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:05 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	246590	161919	13.159	12.658
Spiked Amount 40.000 Range 43 - 150 Recovery =					32.90%#	31.65%#
2) SA Decachlorobiphen	29.28	24.56	402188	259576	18.237	27.944 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					45.59%	69.86%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.37	261832	218860	1929.657m	985.042 #
4) L6 Aroclor-1254{2}	15.48	13.48	1691360	990837	4409.384	2364.155 #
5) L6 Aroclor-1254{3}	15.80	14.89	1408582	736413	2676.063	4911.689 #
6) L6 Aroclor-1254{4}	18.45	15.50	1760671	1930885	4106.234	3882.425
7) L6 Aroclor-1254{5}	19.78	17.80	3502523	2237947	4033.148	4670.470
Sum Aroclor-1254			8624967	6114942	17154.487	16813.781
Average Aroclor-1254					3430.897	3362.756

JMB 5/26/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0779A.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDA~1\BA0779A.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	246590	161919	26.507	26.796
Spiked Amount 40.000 Range 43 - 150 Recovery =					66.27%	66.99%
2) SA Decachlorobiphen	29.28	24.56	402188	259576	26.631	31.246
Spiked Amount 40.000 Range 24 - 154 Recovery =					66.58%	78.11%
Target Compounds						

302B

5/30/98

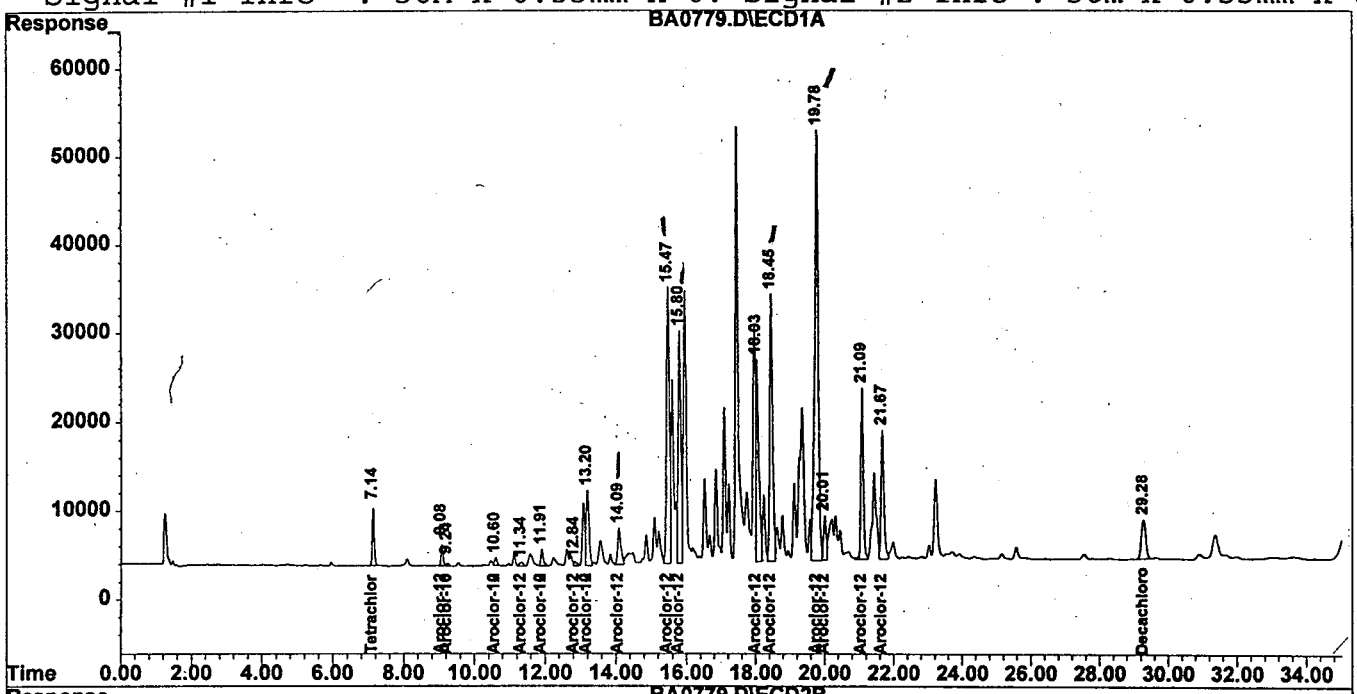
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

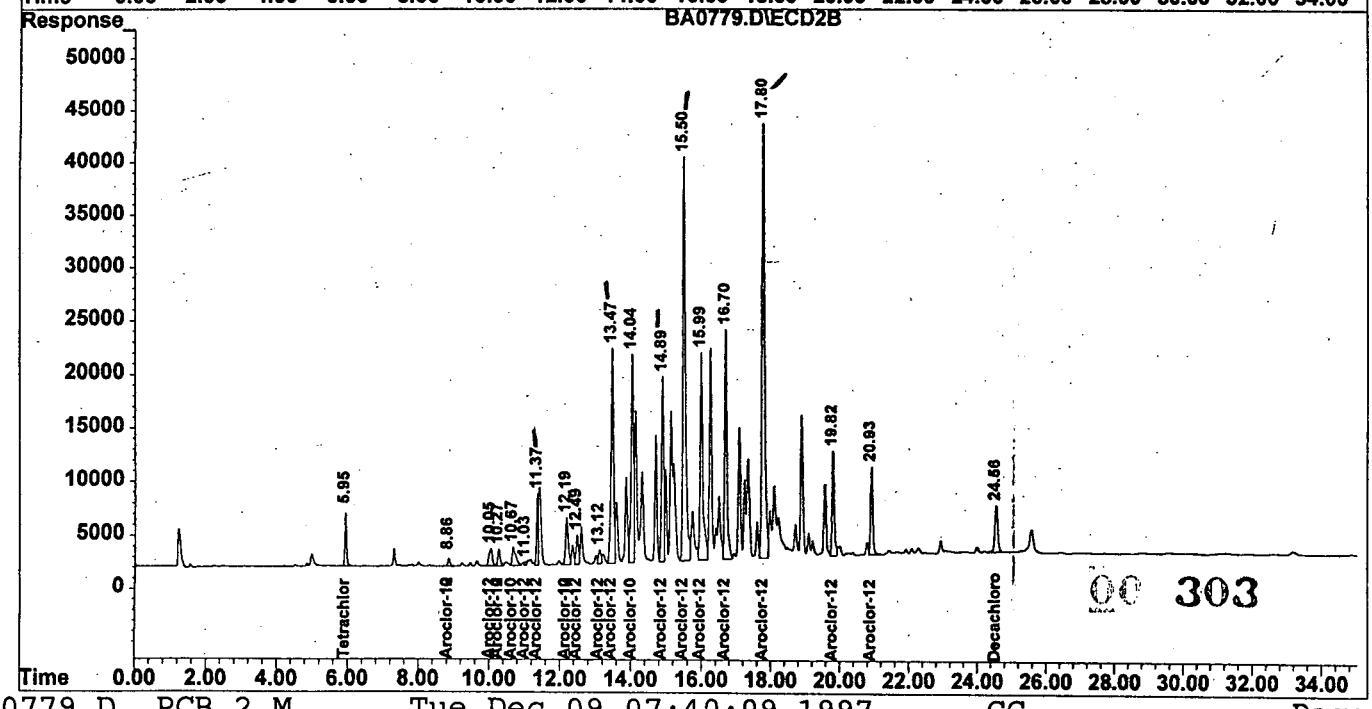
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_B\BA0779.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





00 303

Quantitation Report

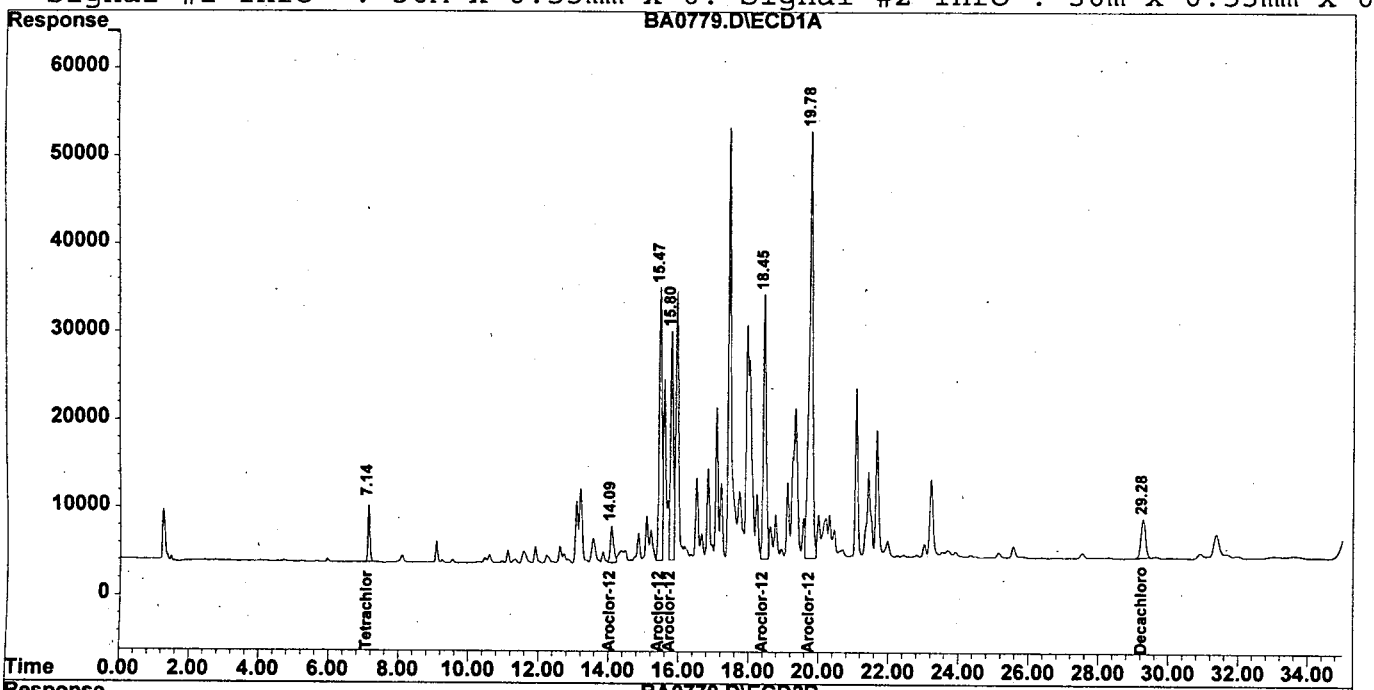
AMENDED REPORT MAY 2 8 1998

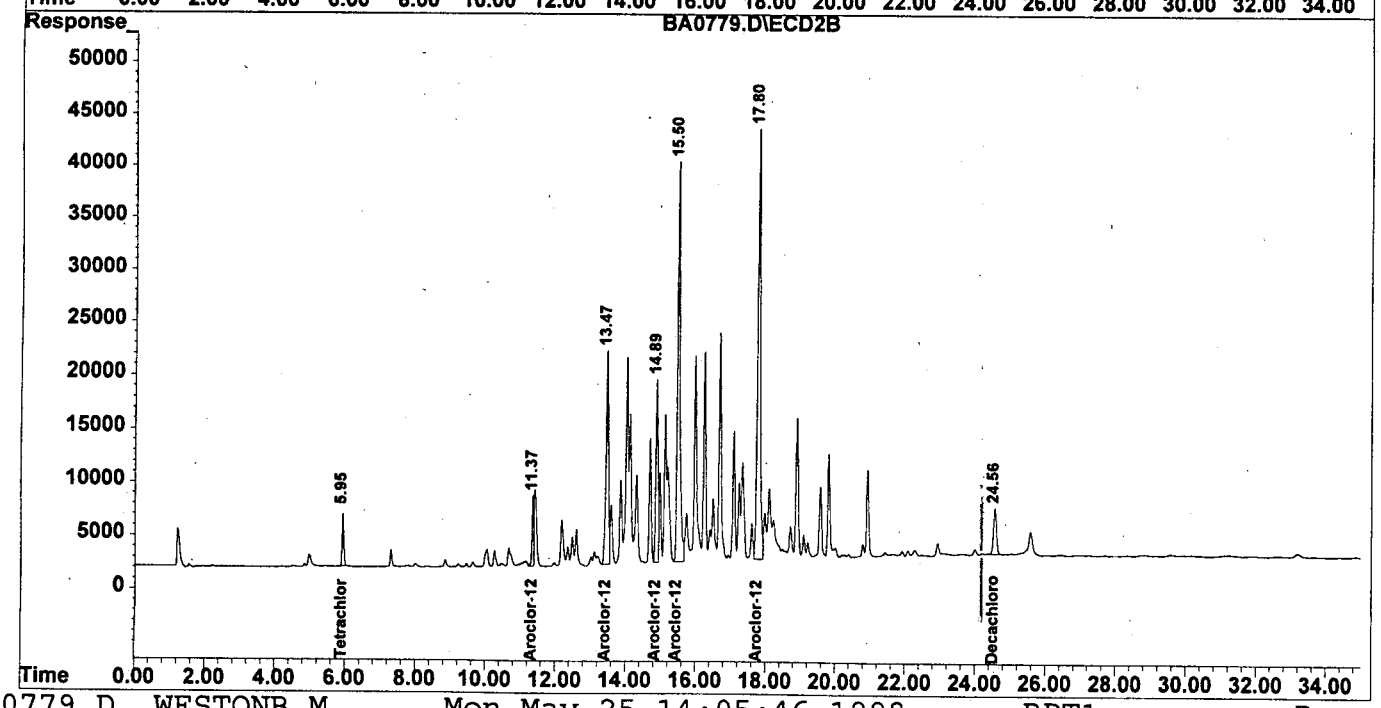
Signal #1 : E:\WESTDA~1\BA0779.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0779.D\ECD2B.CH
Acq On : 8 Dec 97 21:59
Sample : 278155
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:05 1998 Quant Results File: WESTONB.RES

Vial: 14
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





303A

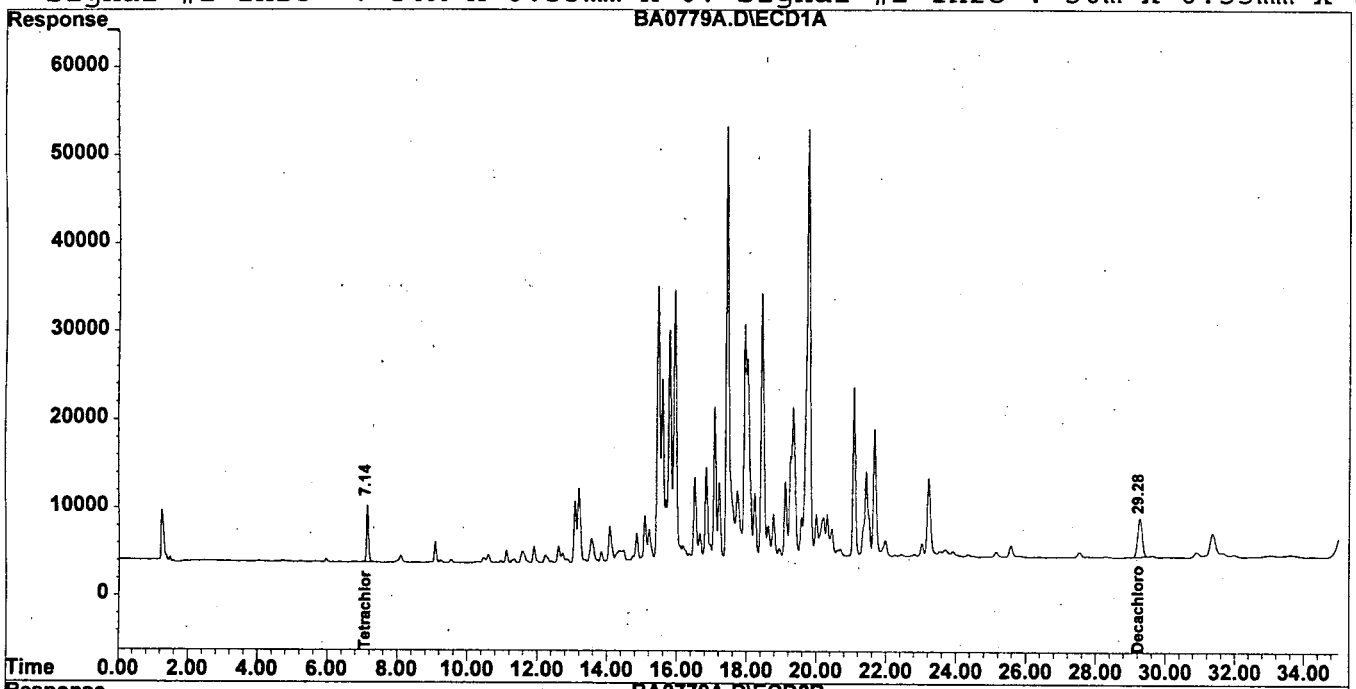
Quantitation Report

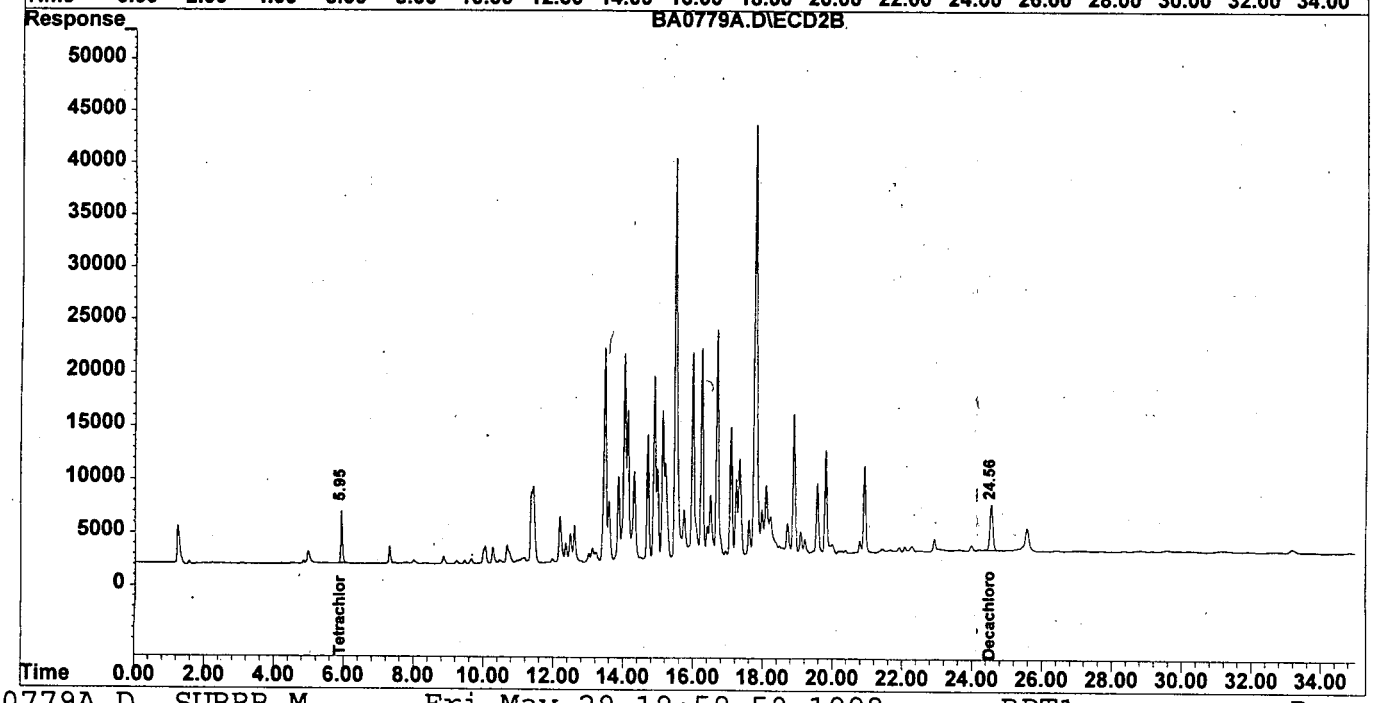
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0779A.D\ECD1A.CH Vial: 14
Signal #2 : E:\WESTDA~1\BA0779A.D\ECD2B.CH
Acq On : 8 Dec 97 21:59 Operator:
Sample : 278155 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278156
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGNS3
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	31.83%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	49	24
Aroclor-1221	U	U	98	68
Aroclor-1232	U	U	49	39
Aroclor-1242	U	U	49	24
Aroclor-1248	U J	U	49	29
Aroclor-1254	1800 J	U	49	34
Aroclor-1260	U	U	49	39

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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All rights reserved.
LOU

J AR1254 :: pk conc > 5000

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	242317	161537	26.749	24.940	
Spiked Amount 40.000 Range 43 - 150 Recovery =					66.87%	62.35%	
2) SA Decachlorobiphen	29.28	24.56	388659	244848	25.827	27.456	
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.57%	68.64%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	8.86	20799	28819	97.713	99.029	
4) L1 Aroclor-1016{2}	10.59	10.26	52412	85365	111.164	150.799	#
5) L1 Aroclor-1016{3}	11.91	10.67	84063	83218	102.199	310.584	#
6) L1 Aroclor-1016{4}	0.00	12.19	0	195464	N.D.	761.928	#
7) L1 Aroclor-1016{5}	13.19	14.04	342905	841025	1050.148	5702.639	#
Sum Aroclor-1016			500179	1233892	1361.225	7024.978	
Average Aroclor-1016					340.306	1404.996	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.86	0	28819	N.D.	199.138	#
12) L3 Aroclor-1232{2}	0.00	10.04	0	102518	N.D.	2454.025	#
13) L3 Aroclor-1232{3}	10.59	11.37	52412	168976	241.477	2028.499	#
14) L3 Aroclor-1232{4}	11.91	13.12	84063	75174	239.472	1328.749	#
Sum Aroclor-1232			136474	375487	480.949	6010.411	
Average Aroclor-1232					240.475	1502.603	
15) L4 Aroclor-1242{1}	0.00	8.86	0	28819	N.D.	115.329	#
16) L4 Aroclor-1242{2}	10.59	10.04	52412	102518	142.936	1335.688	#
17) L4 Aroclor-1242{3}	11.34	11.02	32431	15171	292.524	94.052	#
18) L4 Aroclor-1242{4}	12.84	12.19	29243	195464	169.766	844.663	#
19) L4 Aroclor-1242{5}	14.09	0.00	177641	0	488.845	N.D.	#
Sum Aroclor-1242			291727	341973	1094.070	2389.733	
Average Aroclor-1242					273.518	597.433	
20) L5 Aroclor-1248{1}	10.59	10.26	52412	85365	270.170	204.954	
21) L5 Aroclor-1248{2}	11.91	12.19	84063	195464	150.253	576.795	#
22) L5 Aroclor-1248{3}	13.19	12.49	342905	120962	829.638	382.138	#

See P.306B

00 305

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{4}	14.09	13.47	177641	953302	357.905	3542.835	#
24) L5	Aroclor-1248{5}	0.00	15.49	0	2065320	N.D.	16397.649	#
Sum	Aroclor-1248			657020	3420414	1607.967	21104.370	
Average	Aroclor-1248					401.992	4220.874	
25) L6	Aroclor-1254{1}	14.09	11.37	177641	168976	1308.748	766.444	#
26) L6	Aroclor-1254{2}	15.46	13.47	2043709	953302	5543.313	2276.410	#
27) L6	Aroclor-1254{3}	15.79	14.89	1323304	897490	2871.477	6003.721	#
28) L6	Aroclor-1254{4}	18.45	15.49	2062464	2065320	5088.828	4250.244	
29) L6	Aroclor-1254{5}	19.78	17.80	4162316	2484612	4823.053	5467.441	
Sum	Aroclor-1254			9769435	6569700	19635.419	18764.260	
Average	Aroclor-1254	See p. 306				3927.084	3752.852	
30) L7	Aroclor-1260{1}	18.03	15.99	1489289	1076175	2861.584	3157.547	
31) L7	Aroclor-1260{2}	18.45	16.69	2062464	1124430	3350.617	2765.814	
32) L7	Aroclor-1260{3}	20.01	17.80	336164	2484612	736.739	4817.553	#
33) L7	Aroclor-1260{4}	21.09	19.82	1149773	527916	2467.630	843.114	#
34) L7	Aroclor-1260{5}	21.67	20.93	1017767	436437	789.503	923.985	
Sum	Aroclor-1260			6055456	5649569	10206.073	12508.013	
Average	Aroclor-1260					2041.215	2501.603	

12/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
BA0780.D PCB_2.M Tue Dec 09 07:40:26 1997 GC Page 2

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial 52 MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0780.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0780.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:05 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	242803	159850	12.957	12.497
Spiked Amount 40.000 Range 43 - 150 Recovery =					32.39%#	31.24%#
2) SA Decachlorobiphen	29.28	24.56	388659	232536	17.624	25.033 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					44.06%	62.58%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.37	220752	168253	1626.904m	757.271 #
4) L6 Aroclor-1254{2}	15.46	13.47	2048269	953320	5339.848	2274.640 #
5) L6 Aroclor-1254{3}	15.79	14.89	1326503	896849	2520.128	5981.751 #
6) L6 Aroclor-1254{4}	18.45	15.49	2065570	2062710	4817.320	4147.485
7) L6 Aroclor-1254{5}	19.78	17.80	4164970	2478392	4795.955	5172.266
Sum Aroclor-1254			9826065	6559524	19100.156	18333.413
Average Aroclor-1254					3820.031	3666.683

306A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

AMENDED REPORT MAY 30 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : E:\WESTDA~1\BA0780A.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDA~1\BA0780A.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	242803	159850	26.100	26.453
Spiked Amount 40.000 Range 43 - 150 Recovery =					65.25%	66.13%
2) SA Decachlorobiphen	29.28	24.56	388659	232536	25.736	27.991
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.34%	69.98%
Target Compounds						

3060

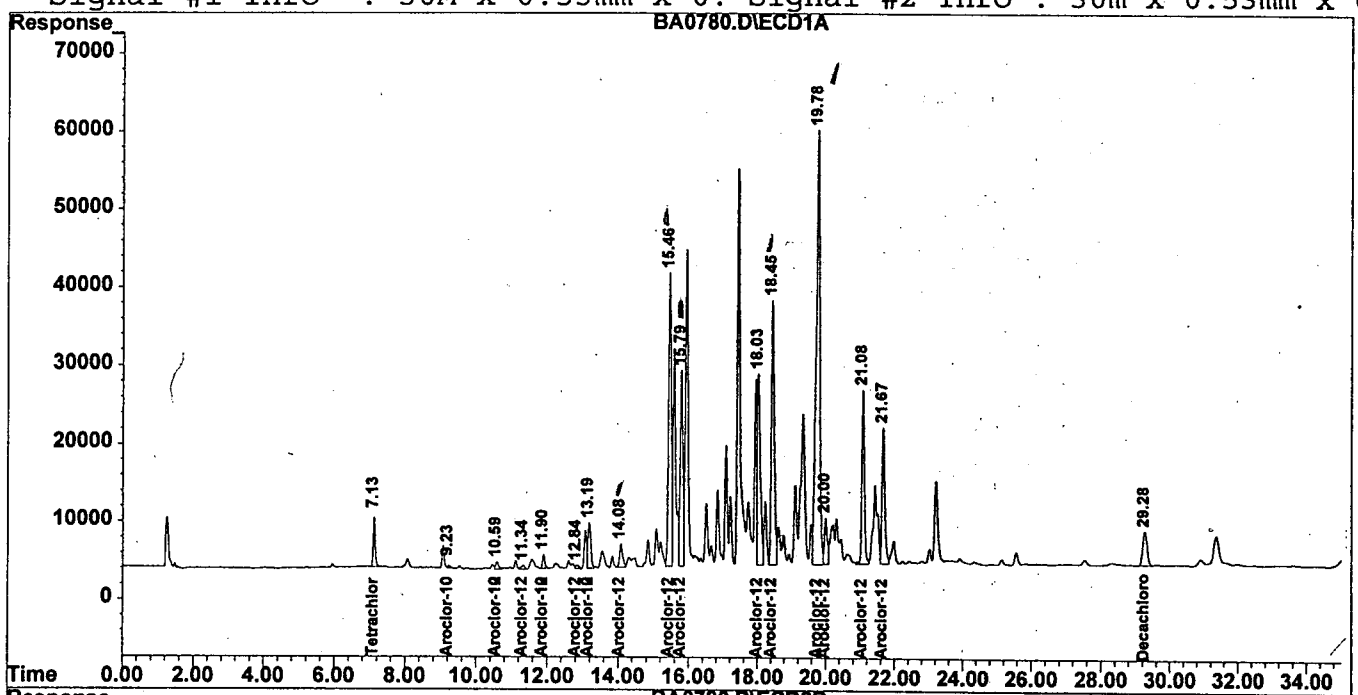
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

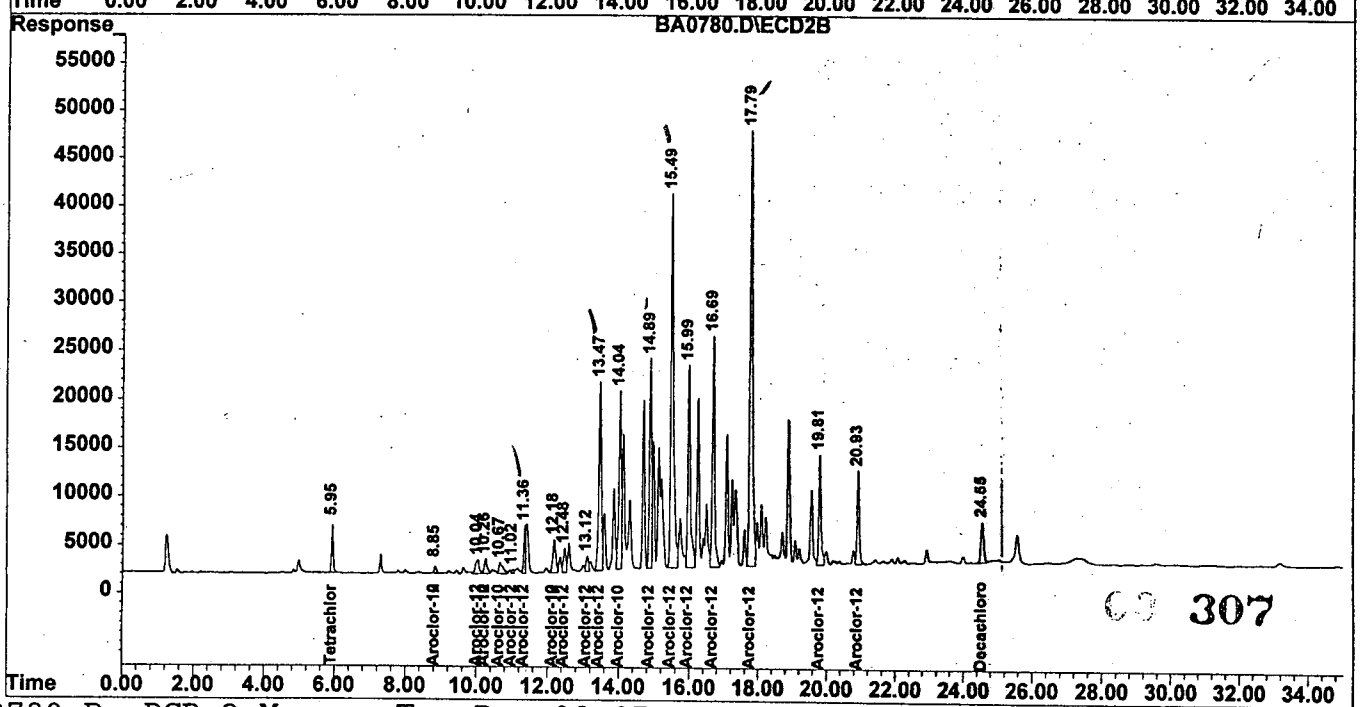
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_B\BA0780.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





307

Quantitation Report

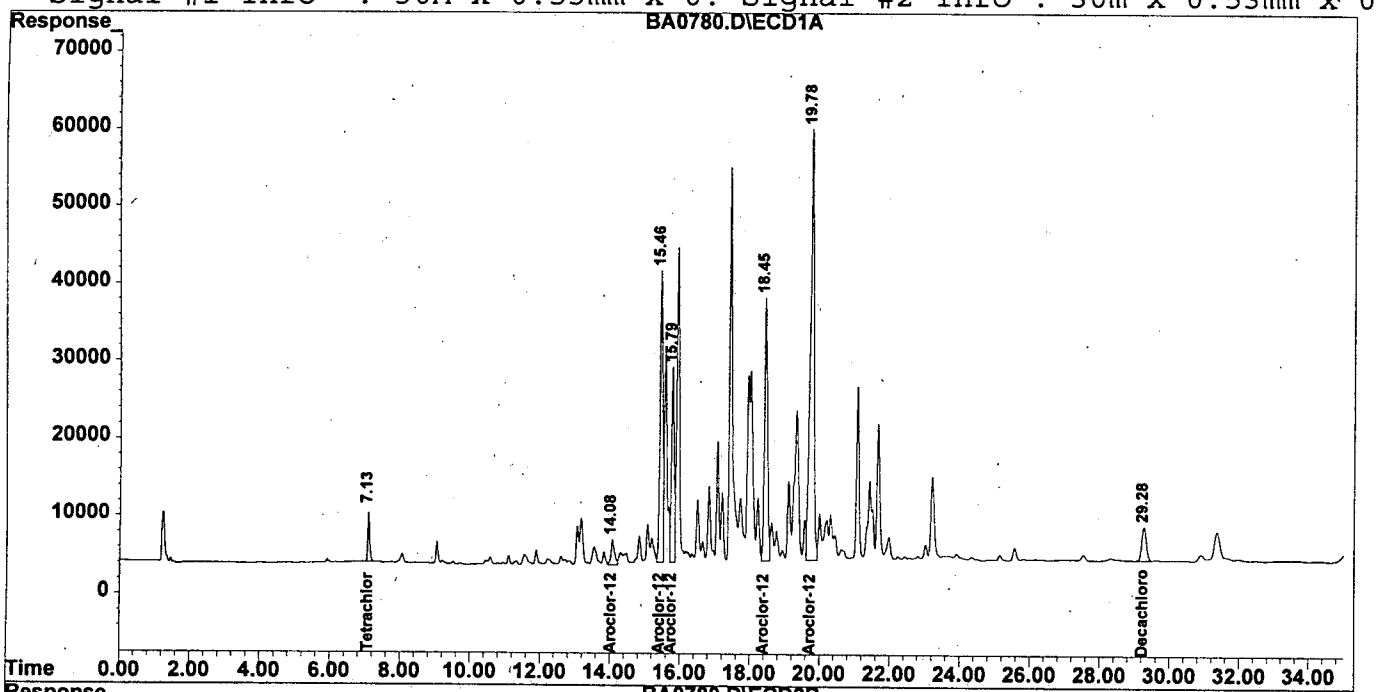
AMENDED REPORT MAY 2 8 1998

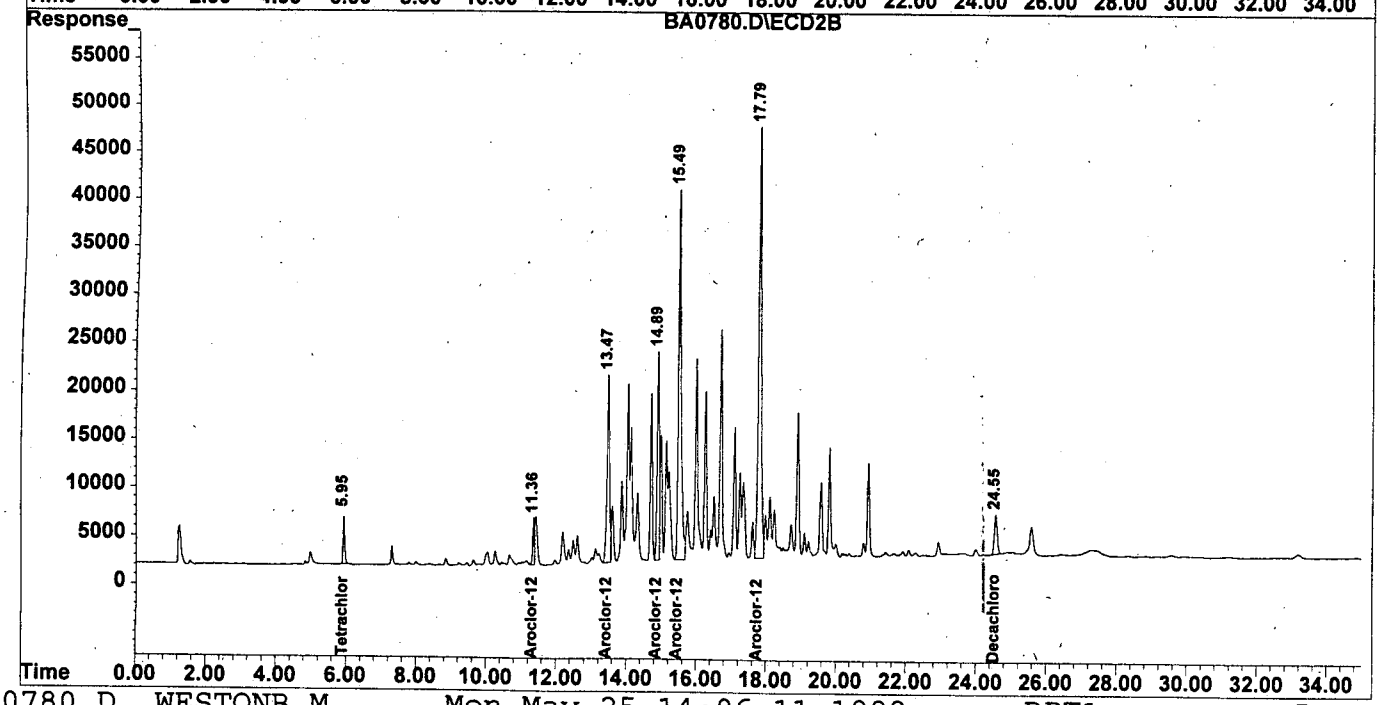
Signal #1 : E:\WESTDA~1\BA0780.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0780.D\ECD2B.CH
Acq On : 8 Dec 97 22:37
Sample : 278156
Misc : QPC7392
IntFile Signal #1: EVENTS.E
Quant Time: May 24 18:05 1998

Vial: 15
Operator:
Inst : GC_5890_2
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50
Signal #1 Info : 30M x 0.53mm x 0.
Signal #2 Phase: RTx-1701
Signal #2 Info : 30m x 0.53mm x 0.5µm





307A

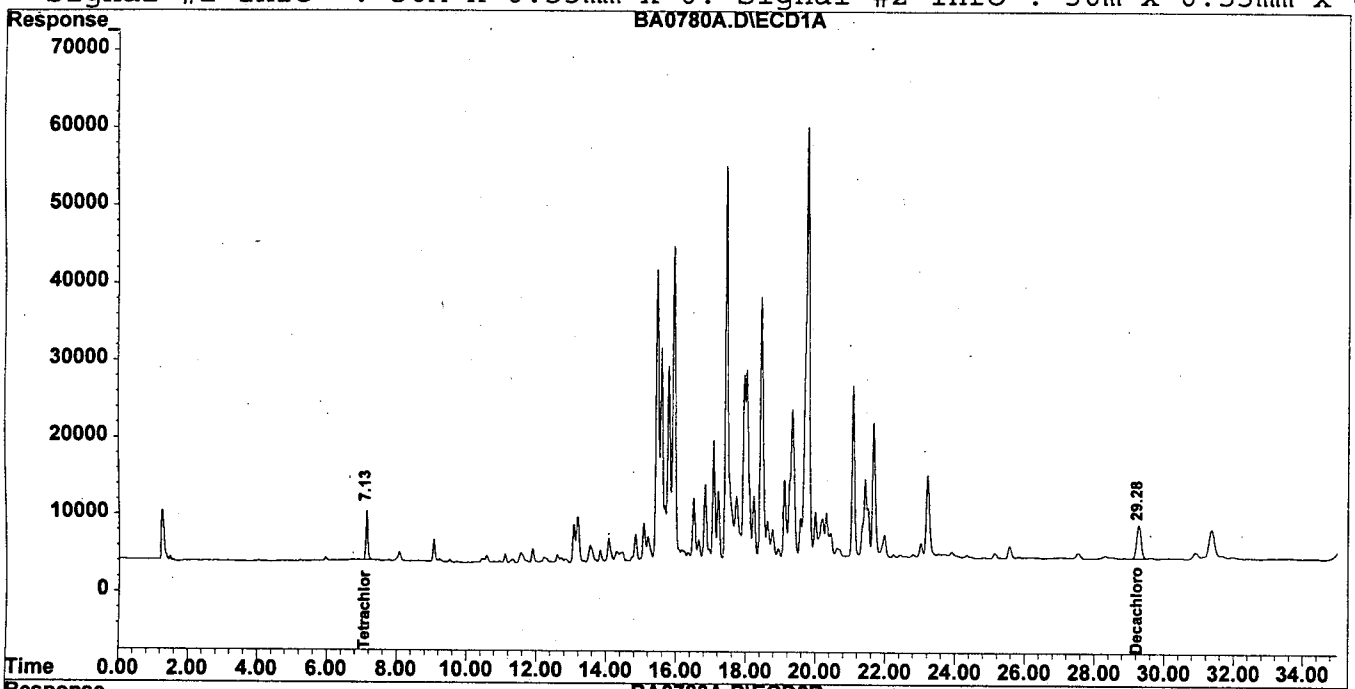
Quantitation Report

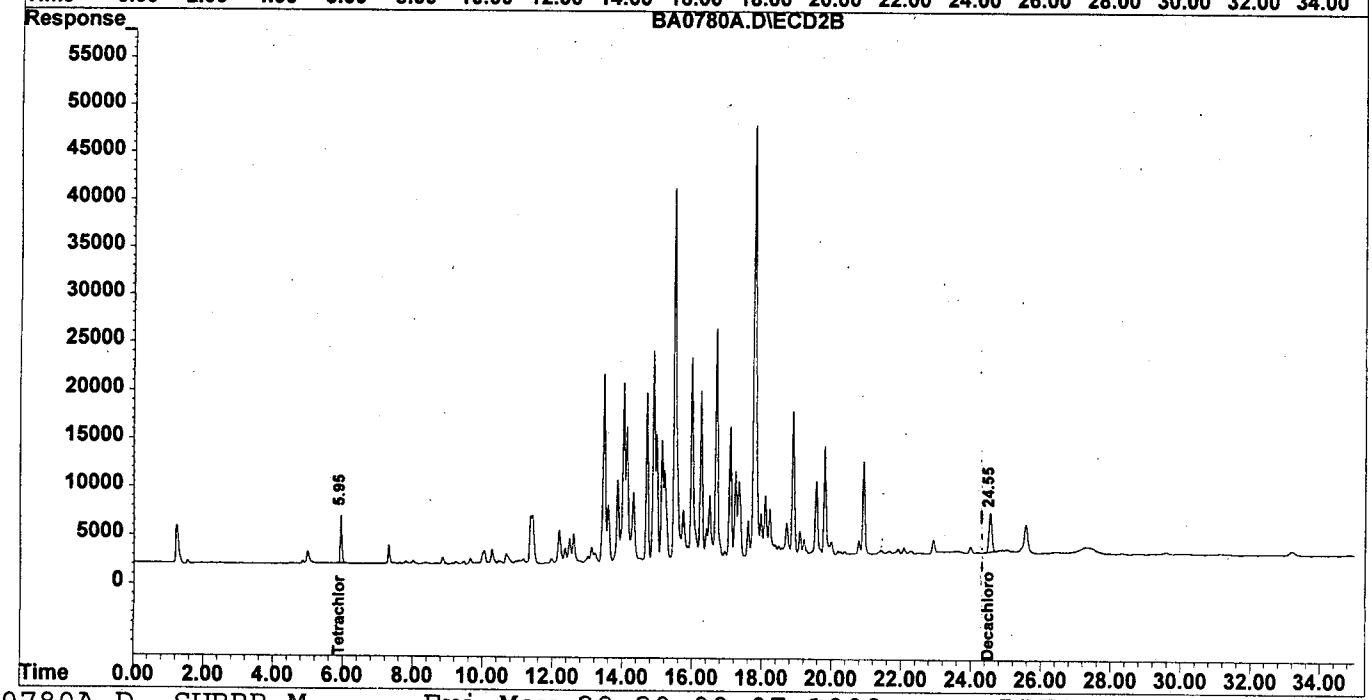
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0780A.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDA~1\BA0780A.D\ECD2B.CH
Acq On : 8 Dec 97 22:37 Operator:
Sample : 278156 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278157
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	37.3%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	530	260
Aroclor-1221	U	U	1100	740
Aroclor-1232	U	U	530	420
Aroclor-1242	U	U	530	260
Aroclor-1248	U J	U	530	320
Aroclor-1254	~~5300~~ 4100	U	530	370
Aroclor-1260	U	U	530	420

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 8:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	22416	16333	2.474	2.522
Spiked Amount 40.000 Range 43 - 150 Recovery =					6.19%#	6.31%#
2) SA Decachlorobiphen	29.13	24.46	44639	27431	2.966	3.076
Spiked Amount 40.000 Range 24 - 154 Recovery =					7.42%#	7.69%#
Target Compounds						
4) L1 Aroclor-1016{2}	0.00	10.26	0	10427	N.D.	18.419 #
5) L1 Aroclor-1016{3}	11.91	10.67	8294	5935	10.084	22.151 #
6) L1 Aroclor-1016{4}	0.00	12.19	0	74958	N.D.	292.191 #
7) L1 Aroclor-1016{5}	13.19	14.03	127278	207678	389.790	1408.176 #
Sum Aroclor-1016			135572	298998	399.874	1740.937
Average Aroclor-1016					199.937	435.234
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{2}	0.00	10.05	0	65419	N.D.	1565.964 #
13) L3 Aroclor-1232{3}	0.00	11.36	0	88488	N.D.	1062.263 #
14) L3 Aroclor-1232{4}	11.91	13.11	8294	22123	23.628	391.047 #
Sum Aroclor-1232			8294	176030	23.628	3019.274
Average Aroclor-1232					23.628	1006.425
					NP	NP
15) L4 Aroclor-1242{1}	9.08	0.00	596712	0	3255.110	N.D. #
16) L4 Aroclor-1242{2}	0.00	10.05	0	65419	N.D.	852.331 #
18) L4 Aroclor-1242{4}	0.00	12.19	0	74958	N.D.	323.919 #
19) L4 Aroclor-1242{5}	14.08	14.31	58713	165984	161.570	1857.157 #
Sum Aroclor-1242			655425	306361	3416.680	3033.407
Average Aroclor-1242					1708.340	1011.136
					NP	NP
20) L5 Aroclor-1248{1}	0.00	10.26	0	10427	N.D.	25.033 #
21) L5 Aroclor-1248{2}	11.91	12.19	8294	74958	14.825	221.194 #
22) L5 Aroclor-1248{3}	13.19	12.48	127278	42658	307.942	134.763 #
23) L5 Aroclor-1248{4}	14.08	13.47	58713	292591	118.293	1087.380 #
24) L5 Aroclor-1248{5}	0.00	15.48	0	537035	N.D.	4263.798 #
Sum Aroclor-1248			194285	957668	441.060	5732.168
Average Aroclor-1248					147.020	1146.434
					NP	NP

See p. 310 B

00 309

TB 3/10/11/12

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 8:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25)	L6	Aroclor-1254{1}	14.08	11.36	58713	88488	432.560	401.363	
26)	L6	Aroclor-1254{2}	15.44	13.47	814989	292591	~~2210.560~~	698.684	#
27)	L6	Aroclor-1254{3}	15.79	14.88	331187	383813	718.653	~~2567.505~~	#
28)	L6	Aroclor-1254{4}	18.43	15.48	456896	537035	1127.326	1105.170	
29)	L6	Aroclor-1254{5}	19.75	17.77	653732	471498	757.507	1037.541	#
	Sum	Aroclor-1254			2315518	1773425	5246.605	5810.263	
Average		Aroclor-1254					1049.321	1162.053	
30)	L7	Aroclor-1260{1}	18.01	15.97	321253	241073	617.269	707.318	
31)	L7	Aroclor-1260{2}	18.43	16.67	456896	217992	742.260	536.206	#
32)	L7	Aroclor-1260{3}	19.97	17.77	44049	471498	96.537	914.214	#
33)	L7	Aroclor-1260{4}	21.04	19.78	160917	75208	345.358	120.112	#
34)	L7	Aroclor-1260{5}	21.63	20.88	127500	58740	98.904	124.360	#
	Sum	Aroclor-1260			1110615	1064511	1900.329	2402.210	
Average		Aroclor-1260					380.066	480.442	

See p. 3108

310

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0833.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0833.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:07 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	22210	16033	1.185	1.253
Spiked Amount 40.000 Range 43 - 150 Recovery =					2.96%#	3.13%#
2) SA Decachlorobiphen	29.13	24.46	44639	27295	2.024	2.938 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					5.06%#	7.35%#
Target Compounds	Interferences					
3) L6 Aroclor-1254{1}	14.08	11.36	70610	84611	520.384m	380.816 #
4) L6 Aroclor-1254{2}	15.44	13.47	796501	285318	~~2076.483~~	680.774 #
5) L6 Aroclor-1254{3}	15.79	14.88	311233	378521	591.290	~~2524.641~~ #
6) L6 Aroclor-1254{4}	18.43	15.48	455352	521828	1061.971	1049.238
7) L6 Aroclor-1254{5}	19.75	17.77	653718	467053	752.755	974.714 #
Sum Aroclor-1254			2287415	1737331	~~5002.883~~	~~5610.183~~
Average Aroclor-1254					~~1000.577~~	~~1122.037~~
					731.6	771.38

use RTX-1701 column

~~301~~ 310A

5/20/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0833A.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0833A.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:02 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	22210	16033	2.387	2.653
Spiked Amount 40.000 Range 43 - 150 Recovery =					5.97%#	6.63%#
2) SA Decachlorobiphen	29.13	24.46	44639	27295	2.956	3.286
Spiked Amount 40.000 Range 24 - 154 Recovery =					7.39%#	8.22%#

Target Compounds

3 1 0B

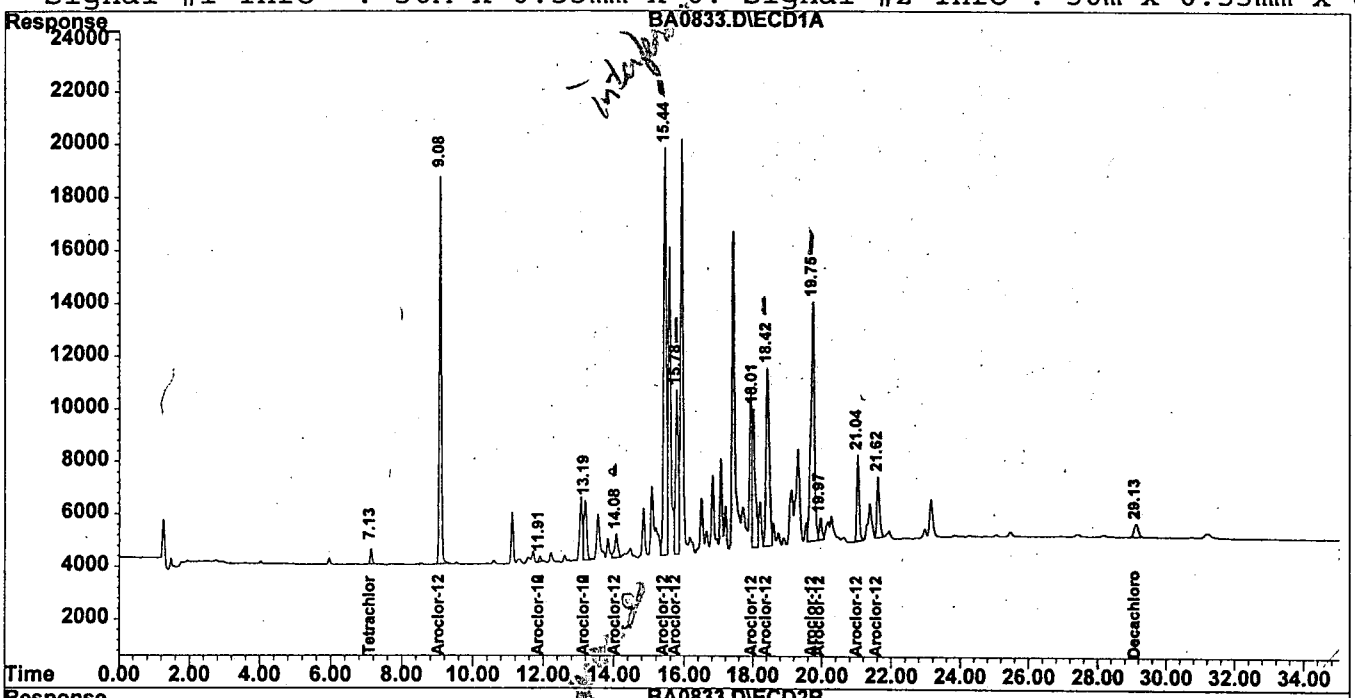
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

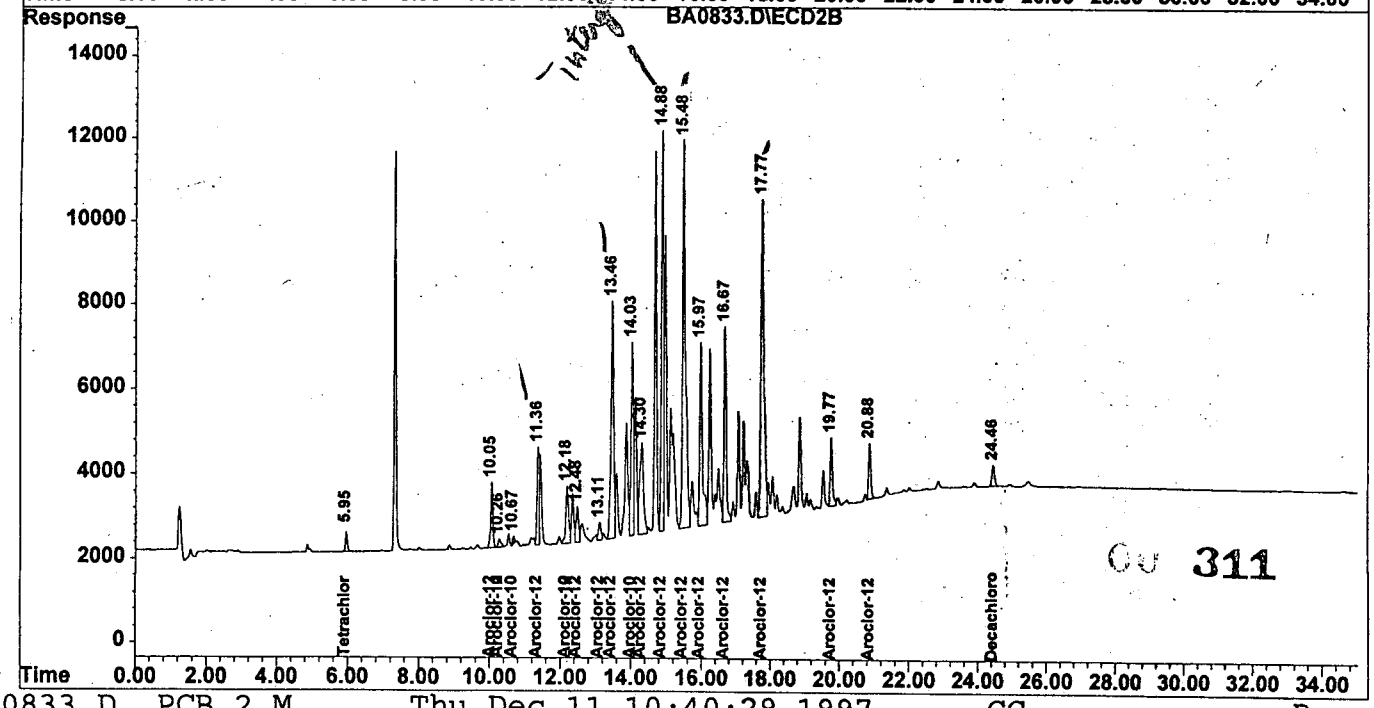
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0833.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 8:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





Cu 311

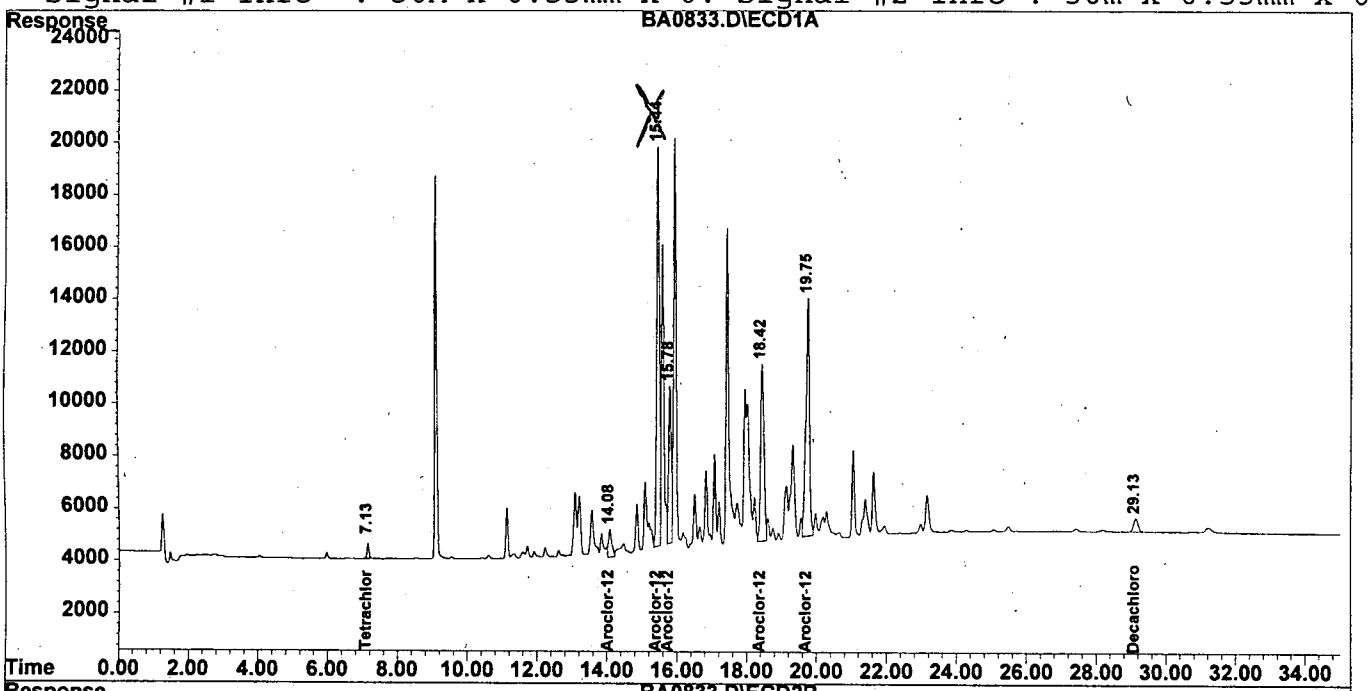
Quantitation Report

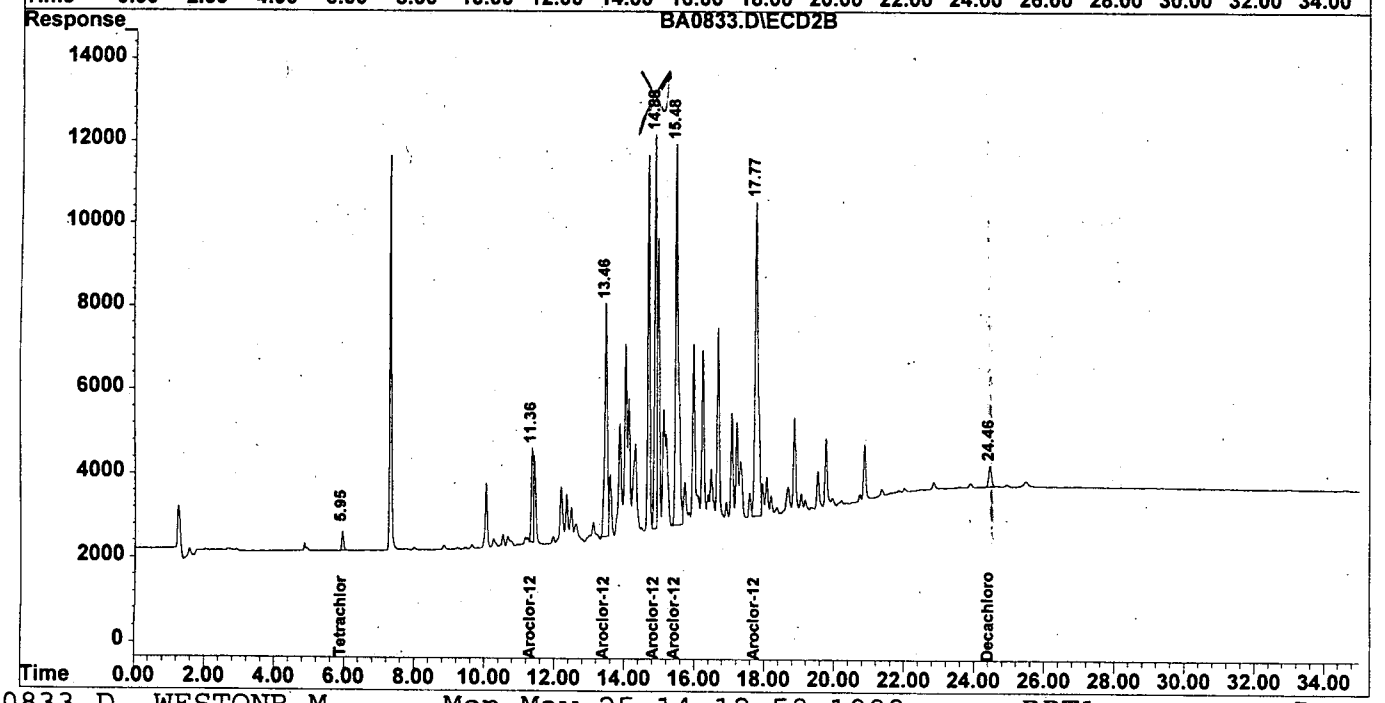
AMENDED REPORT MAY 2 6 1998

Signal #1 : E:\WESTDA~1\BA0833.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0833.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:07 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





3 1 1A

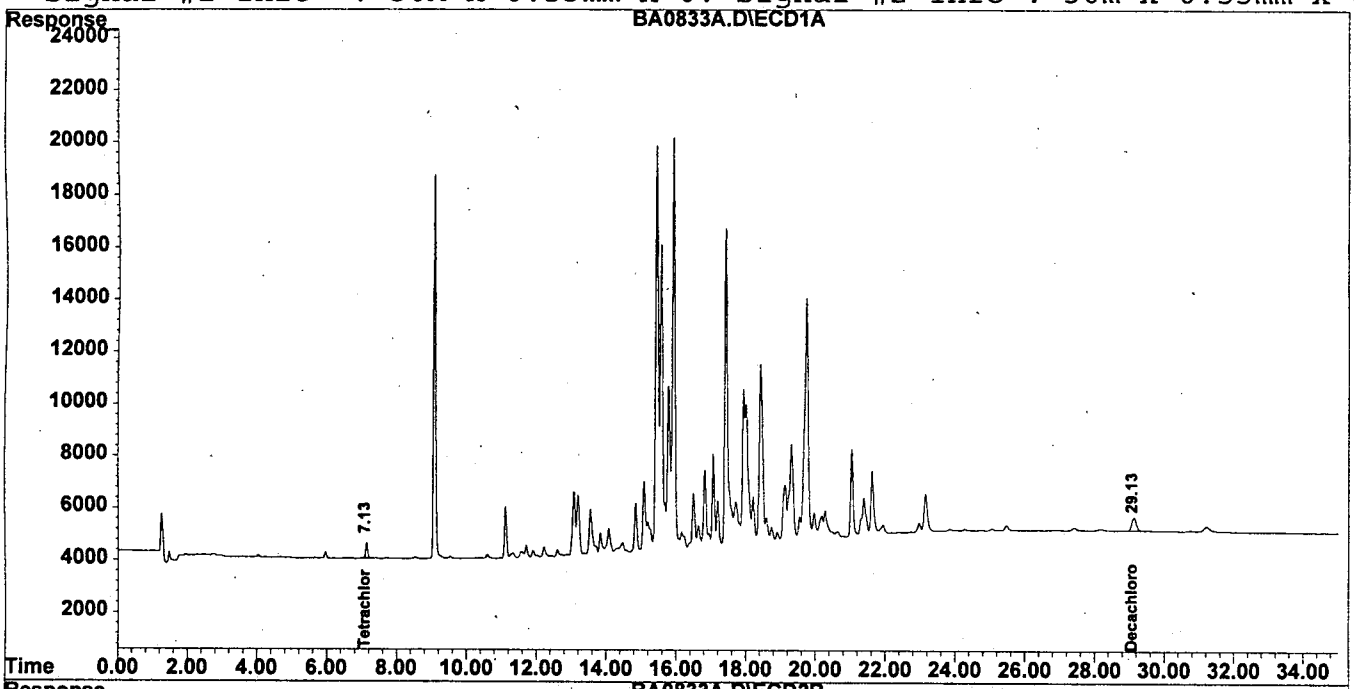
Quantitation Report

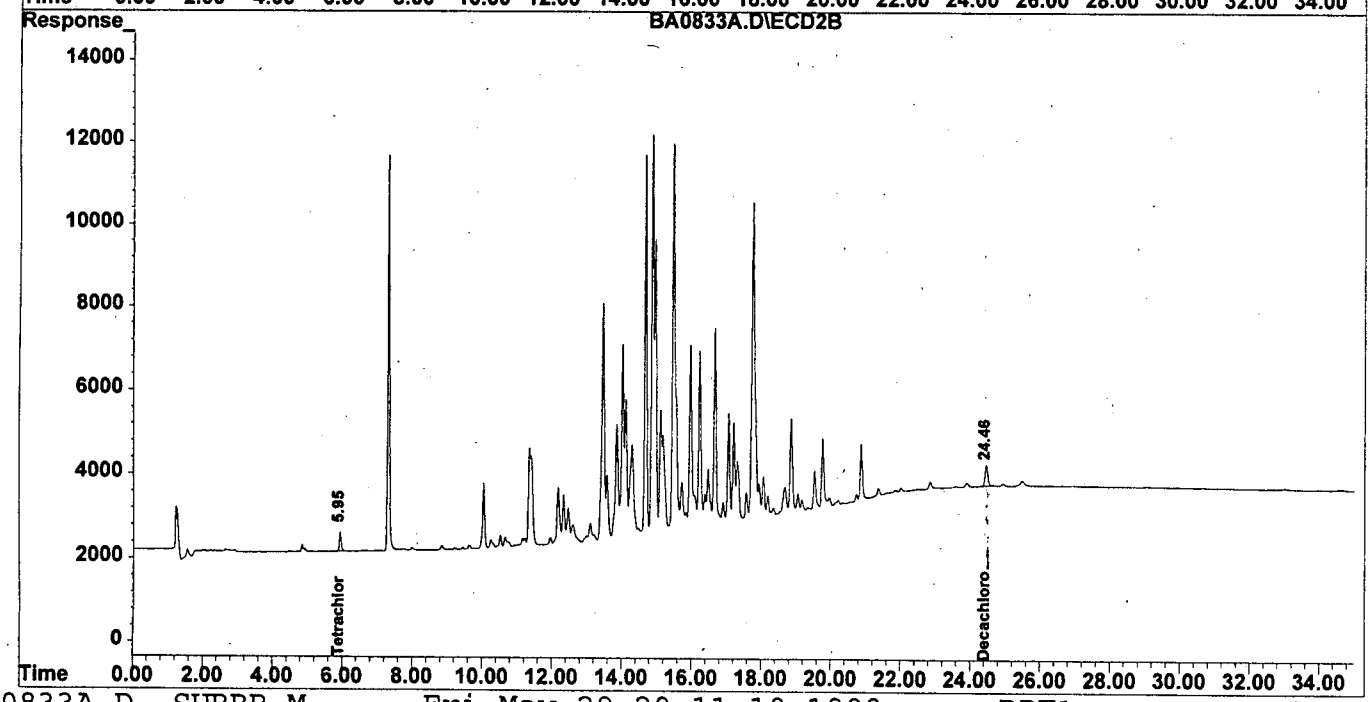
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0833A.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0833A.D\ECD2B.CH
Acq On : 10 Dec 97 15:58 Operator:
Sample : 278157 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:02 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278158
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	51.42%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	690	340
Aroclor-1221	U	U	1400	960
Aroclor-1232	U	U	690	550
Aroclor-1242	U	U	690	340
Aroclor-1248	U	U	690	410
Aroclor-1254	12000 ~~11000~~	U	690	480
Aroclor-1260	U	U	690	550

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	29447	20498	3.251	3.165
Spiked Amount 40.000 Range 43 - 150 Recovery =					8.13%#	7.91%#
2) SA Decachlorobiphen	29.13	24.46	50428	31770	3.351	3.562
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.38%#	8.90%#
Target Compounds						
6) L1 Aroclor-1016{4}	0.00	12.18	0	70493	N.D.	274.784 #
7) L1 Aroclor-1016{5}	13.18	14.03	126482	574179	387.351	3893.267 #
Sum Aroclor-1016			126482	644672	387.351	4168.051
Average Aroclor-1016					387.351	2084.026
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
13) L3 Aroclor-1232{3}	0.00	11.36	0	253989	N.D.	3049.057 #
14) L3 Aroclor-1232{4}	0.00	13.10	0	16914	N.D.	298.971 #
Sum Aroclor-1232			0	270904	N.D.	3348.028
Average Aroclor-1232					0.000	1674.014
18) L4 Aroclor-1242{4}	0.00	12.18	0	70493	N.D.	304.622 #
19) L4 Aroclor-1242{5}	14.07	14.31	70685	169915	194.516	1901.143 #
Sum Aroclor-1242			70685	240408	194.516	2205.764
Average Aroclor-1242					194.516	1102.882
21) L5 Aroclor-1248{2}	0.00	12.18	0	70493	N.D.	208.017 #
22) L5 Aroclor-1248{3}	13.18	12.48	126482	35705	306.015	112.796 #
23) L5 Aroclor-1248{4}	14.07	13.46	70685	545290	142.414	2026.506 #
24) L5 Aroclor-1248{5}	0.00	15.47	0	975167	N.D.	7742.361 #
Sum Aroclor-1248			197167	1626655	448.429	10089.680
Average Aroclor-1248					224.214	2522.420
25) L6 Aroclor-1254{1}	14.07	11.36	70685	253989	520.764	1152.049 #
26) L6 Aroclor-1254{2}	15.47	13.46	514069	545290	1394.349	1302.110
27) L6 Aroclor-1254{3}	15.78	14.87	908087	274009	1970.485	1832.973
28) L6 Aroclor-1254{4}	18.41	15.47	981504	975167	2421.719	2006.807

See p.314B

See p.314A

313

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
29) L6	Aroclor-1254{5}	19.74	17.77	1979412	1145274	2293.629	2520.199	
Sum	Aroclor-1254			4453758	3193730	8600.946	8814.139	
Average	Aroclor-1254					1720.189	1762.828	
30) L7	Aroclor-1260{1}	0.00	15.97	0	586774	N.D.	1721.623	#
31) L7	Aroclor-1260{2}	18.41	16.67	981504	598011	1594.523	1470.957	
32) L7	Aroclor-1260{3}	19.97	17.77	171224	1145274	375.256	2220.636	#
33) L7	Aroclor-1260{4}	21.04	19.77	552888	218673	1186.602	349.234	#
34) L7	Aroclor-1260{5}	21.62	20.88	418310	165105	324.492	349.546	
Sum	Aroclor-1260			2123927	2713837	3480.873	6111.996	
Average	Aroclor-1260					870.218	1222.399	

314

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0834.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0834.D\ECD2B.CH
Acq On : 10 Dec 97 16:37
Sample : 278158 1:10
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:09 1998 Quant Results File: WESTONB.RES

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	29218	20181	1.559	1.578
Spiked Amount 40.000 Range 43 - 150 Recovery =					3.90%#	3.95%#
2) SA Decachlorobiphen	29.13	24.46	50428	31028	2.287	3.340 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					5.72%#	8.35%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.36	78414	251107	577.898m	1130.176 #
4) L6 Aroclor-1254{2}	15.47	13.46	503082	544496	1311.537	1299.177
5) L6 Aroclor-1254{3}	15.78	14.87	870977	273758	1654.706	1825.899
6) L6 Aroclor-1254{4}	18.41	15.47	980667	969909	2287.110	1950.194
7) L6 Aroclor-1254{5}	19.74	17.77	1978901	1124052	2278.700	2345.834
Sum Aroclor-1254			4412040	3163322	8109.951	8551.280
Average Aroclor-1254					1621.990	1710.256

AR1254 CCV on RTx-50 column NG
use RTx-1701 column results

314A 7/20/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0834A.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0834A.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	29218	20181	3.141	3.340
Spiked Amount 40.000 Range 43 - 150 Recovery =					7.85%#	8.35%#
2) SA Decachlorobiphen	29.13	24.46	50428	31028	3.339	3.735
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.35%#	9.34%#

Target Compounds

3 1 4B 7/3 5/20/8

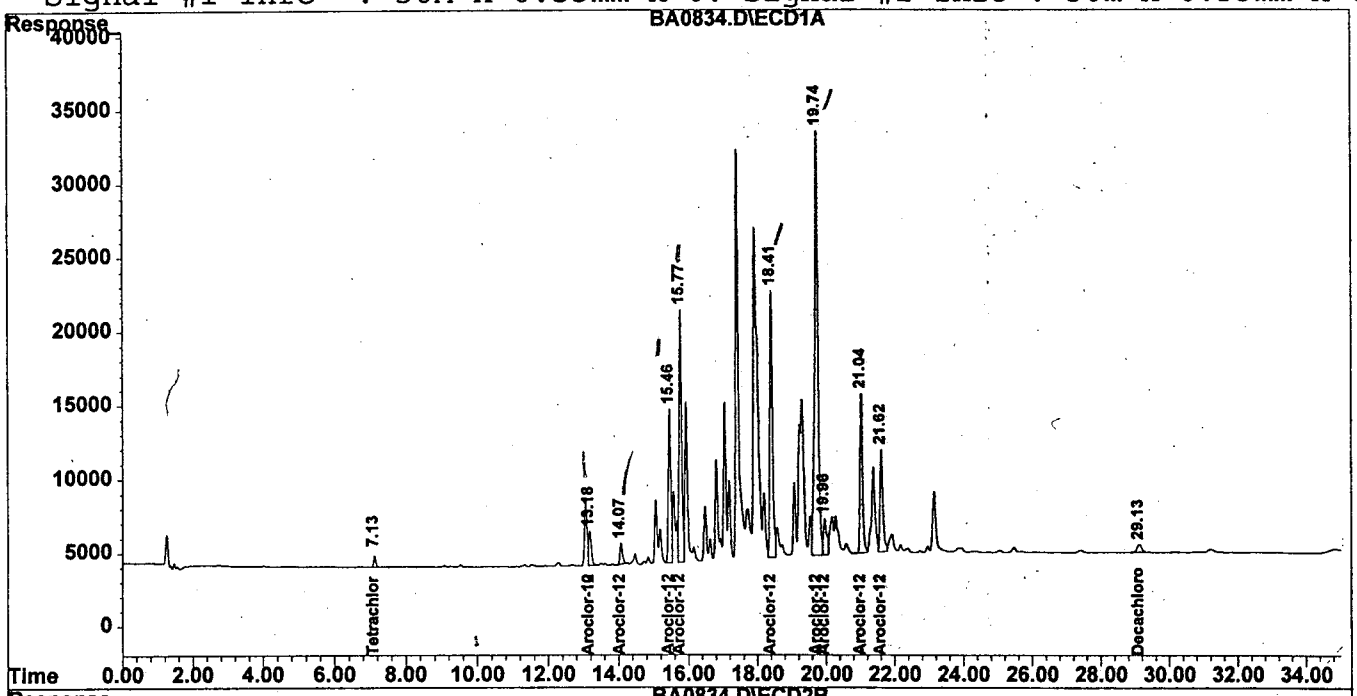
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

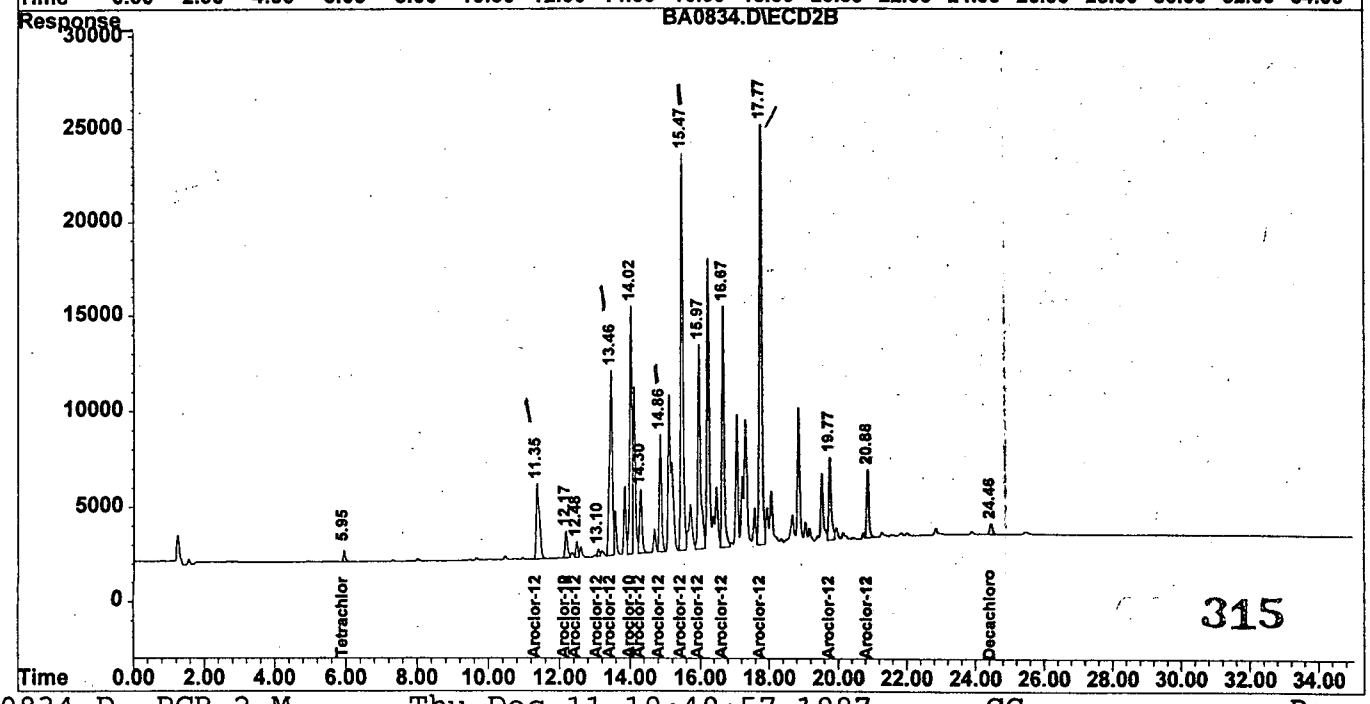
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0834.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





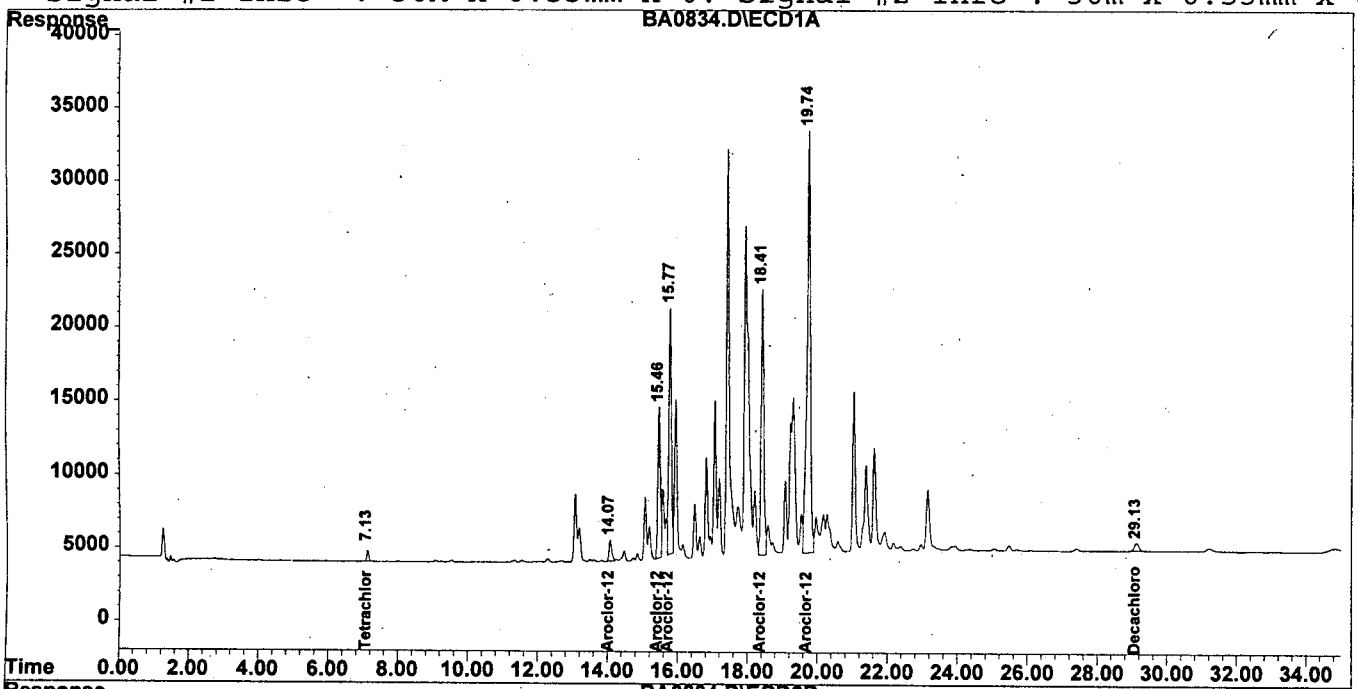
Quantitation Report

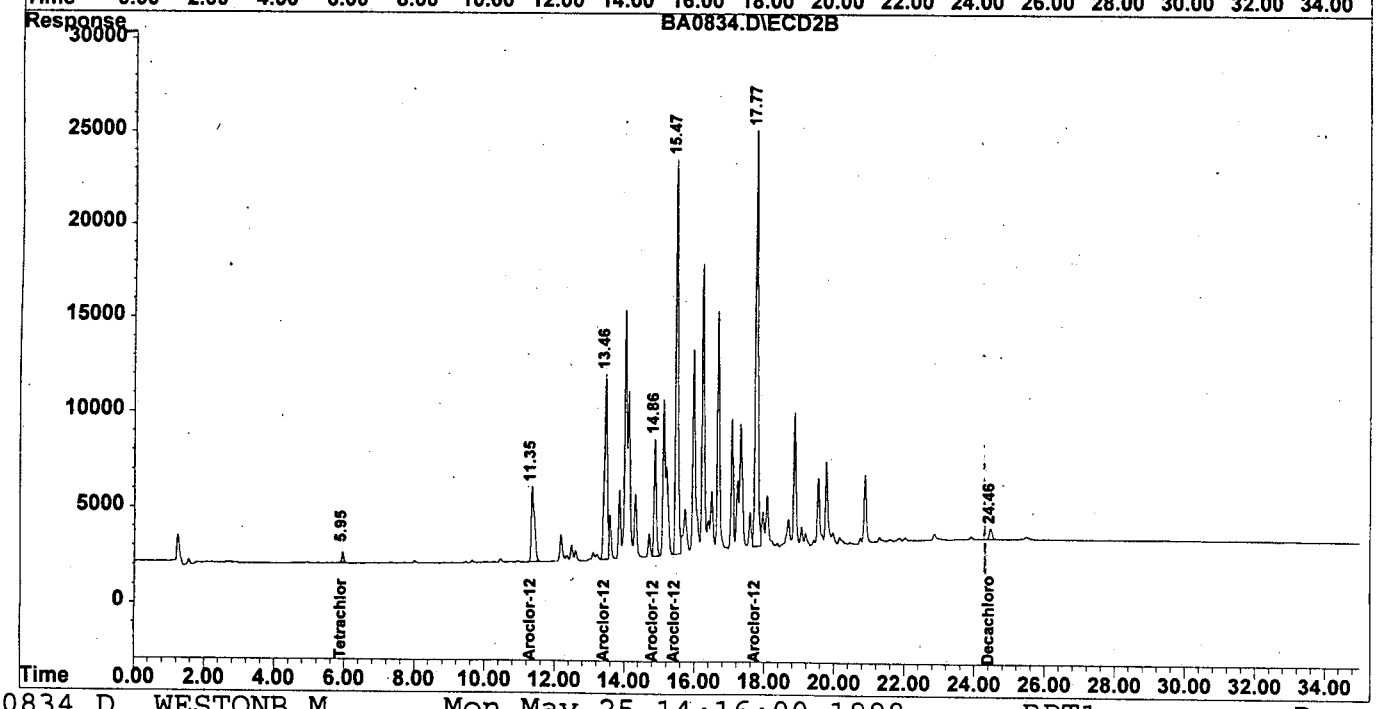
AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0834.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0834.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:09 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





315A

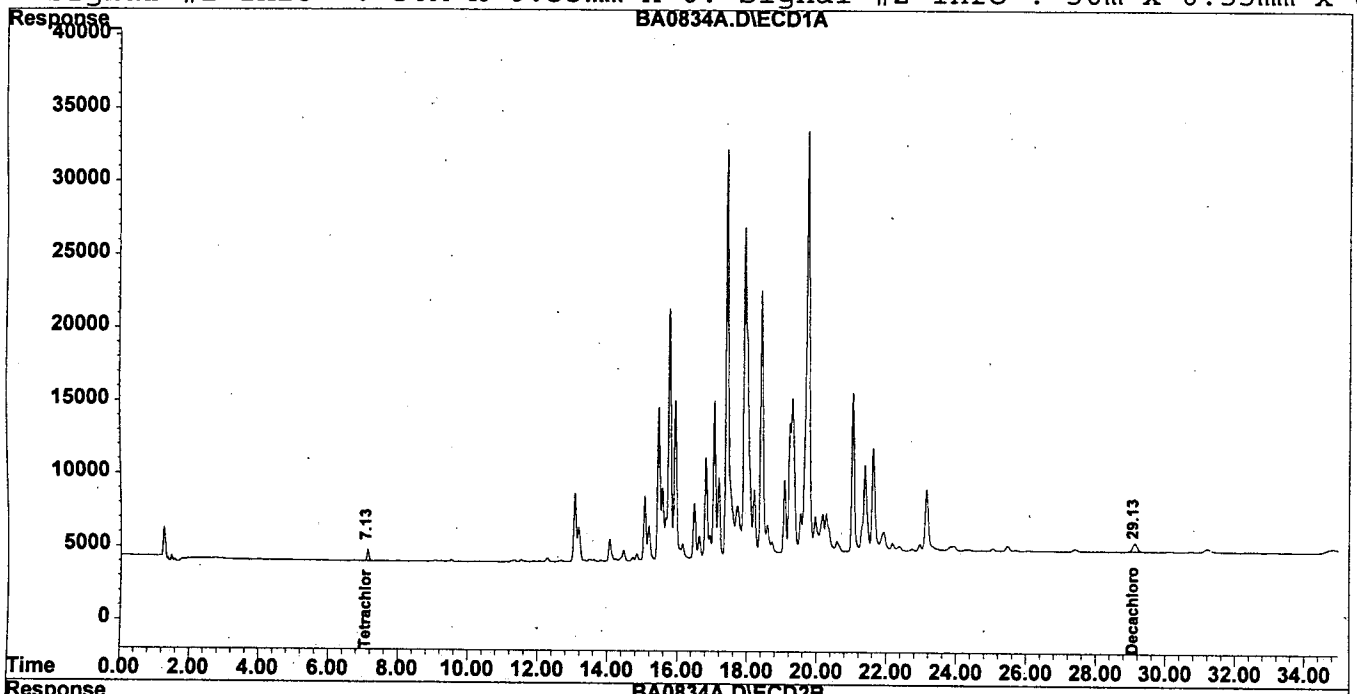
Quantitation Report

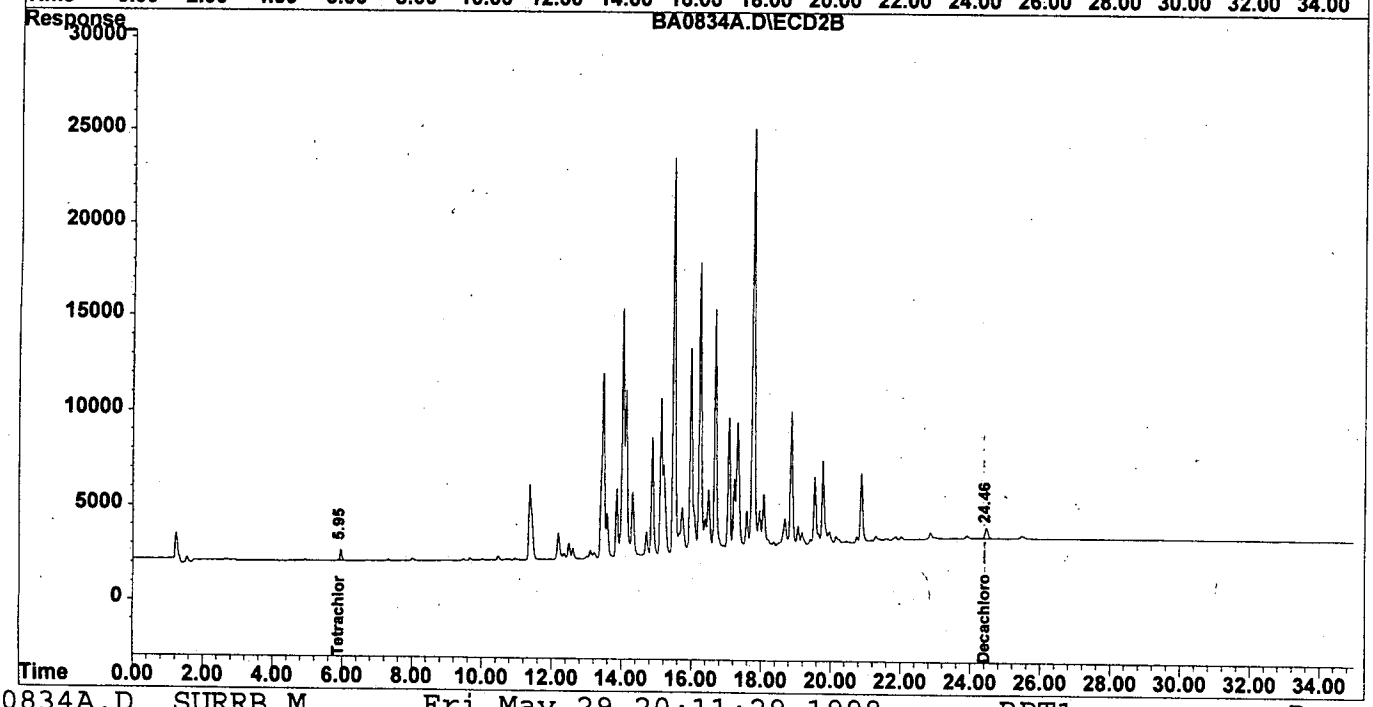
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0834A.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0834A.D\ECD2B.CH
Acq On : 10 Dec 97 16:37 Operator:
Sample : 278158 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278159
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	45.17%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	61	30
Aroclor-1221	U	U	120	85
Aroclor-1232	U	U	61	49
Aroclor-1242	U J	U	61	30
Aroclor-1248	U J	U	61	36
Aroclor-1254	1300	U	61	42
Aroclor-1260	U	U	61	49

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	280836	183933	31.001	28.398	
Spiked Amount 40.000 Range 43 - 150 Recovery =					77.50%	70.99%	
2) SA Decachlorobiphen	29.27	24.55	442496	281850	29.404	31.605	
Spiked Amount 40.000 Range 24 - 154 Recovery =					73.51%	79.01%	
Target Compounds							
4) L1 Aroclor-1016{1}	9.23	8.86	17583	17288	82.602	59.405	#
5) L1 Aroclor-1016{2}	10.59	10.26	32214	46105	68.325	81.446	
5) L1 Aroclor-1016{3}	11.90	10.67	64492	113517	78.406	423.663	#
6) L1 Aroclor-1016{4}	0.00	12.19	0	267372	N.D.	1042.226	#
7) L1 Aroclor-1016{5}	13.20	14.04	556637	542167	1704.706	3676.210	#
Sum Aroclor-1016			670926	986449	1934.039	5282.950	
Average Aroclor-1016					483.510	1056.590	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.86	0	17288	N.D.	119.458	#
12) L3 Aroclor-1232{2}	0.00	10.04	0	86241	N.D.	2064.388	#
13) L3 Aroclor-1232{3}	10.59	11.36	32214	235679	148.418	2829.243	#
14) L3 Aroclor-1232{4}	11.90	13.11	64492	31390	183.720	554.844	#
Sum Aroclor-1232			96705	370598	332.138	5567.933	
Average Aroclor-1232					166.069	1391.983	
15) L4 Aroclor-1242{1}	0.00	8.86	0	17288	N.D.	69.183	#
16) L4 Aroclor-1242{2}	10.59	10.04	32214	86241	87.852	1123.615	#
17) L4 Aroclor-1242{3}	11.29	11.03	18734	6569	168.981	40.725	#
18) L4 Aroclor-1242{4}	0.00	12.19	0	267372	N.D.	1155.399	#
19) L4 Aroclor-1242{5}	14.08	0.00	304282	0	837.342	N.D.	#
Sum Aroclor-1242			355230	377470	1094.175	2388.922	
Average Aroclor-1242					364.725	597.230	
20) L5 Aroclor-1248{1}	10.59	10.26	32214	46105	166.054	110.695	#
21) L5 Aroclor-1248{2}	11.90	12.19	64492	267372	115.272	788.986	#
22) L5 Aroclor-1248{3}	13.20	12.49	556637	123253	1346.752	389.374	#

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see P. 318B

12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23)	L5 Aroclor-1248{4}	14.08	13.47	304282	668629	613.056	2484.882	#
24)	L5 Aroclor-1248{5}	0.00	15.49	0	1169388	N.D.	9284.384	#
Sum	Aroclor-1248			957625	2274748	2241.134	13058.321	
Average	Aroclor-1248					560.284	2611.664	
2[illegible])	L6 Aroclor-1254{1}	14.08	11.36	304282	235679	2241.754	1068.995	#
2[illegible])	L6 Aroclor-1254{2}	15.47	13.47	981438	668629	2662.032	1596.634	#
27)	L6 Aroclor-1254{3}	15.79	14.89	857235	457597	1860.139	3061.075	#
2[illegible])	L6 Aroclor-1254{4}	18.45	15.49	978617	1169388	2414.595	2406.497	
2[illegible])	L6 Aroclor-1254{5}	19.78	17.79	1902393	1246387	2204.383	2742.701	
Sum	Aroclor-1254			5023964	3777680	11382.903	10875.903	
Average	Aroclor-1254					2276.581	2175.181	
30)	L7 Aroclor-1260{1}	18.03	15.99	735962	616196	1414.109	1807.949	#
31)	L7 Aroclor-1260{2}	18.45	16.69	978617	564375	1589.832	1388.222	
3[illegible])	L7 Aroclor-1260{3}	20.00	17.79	156209	1246387	342.349	2416.690	#
3[illegible])	L7 Aroclor-1260{4}	21.08	19.81	514117	234213	1103.392	374.052	#
34)	L7 Aroclor-1260{5}	21.67	20.93	451051	195149	349.889	413.152	
Sum	Aroclor-1260			2835955	2856321	4799.571	6400.065	
Average	Aroclor-1260					959.914	1280.013	

See p. 318A

12/9/02

319

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0784.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0784.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:06 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	279844	179745	14.934	14.052
Spiked Amount 40.000 Range 43 - 150 Recovery =					37.33%#	35.13%#
2) SA Decachlorobiphen	29.27	24.55	442496	272751	20.065	29.363 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					50.16%	73.41%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	296522	239087	2185.316m	1076.079 #
4) L6 Aroclor-1254{2}	15.47	13.47	976856	667793	2546.669	1593.366 #
5) L6 Aroclor-1254{3}	15.79	14.89	853824	451419	1622.120	3010.849 #
6) L6 Aroclor-1254{4}	18.45	15.49	975096	1164137	2274.118	2340.727
7) L6 Aroclor-1254{5}	19.78	17.79	1899754	1239190	2187.563	2586.120
Sum Aroclor-1254			5002053	3761625	10815.786	10607.140
Average Aroclor-1254					2163.157	2121.428

3 1 8A

5/20/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0784A.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0784A.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	279844	179745	30.082	29.746
Spiked Amount	40.000	Range	43 - 150	Recovery	= 75.21%	74.36%
2) SA Decachlorobiphen	29.27	24.55	442496	272751	29.300	32.832
Spiked Amount	40.000	Range	24 - 154	Recovery	= 73.25%	82.08%
Target Compounds						

3 1 BB

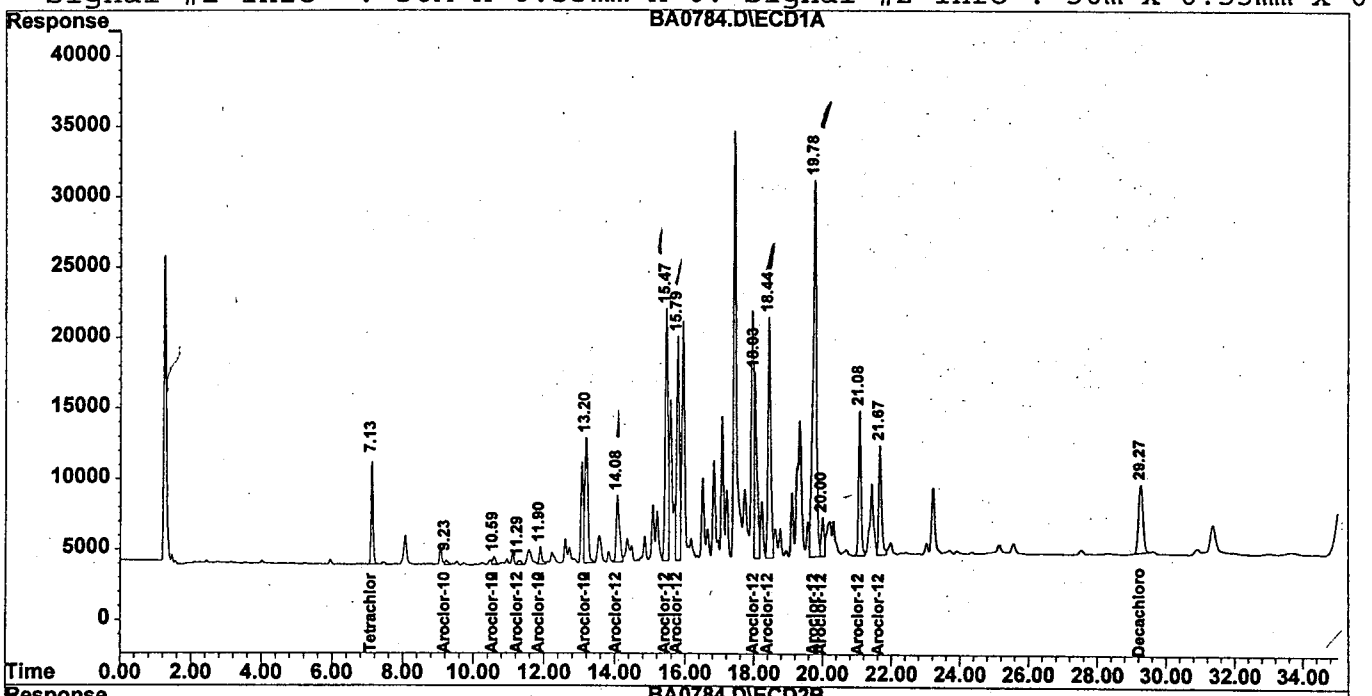
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

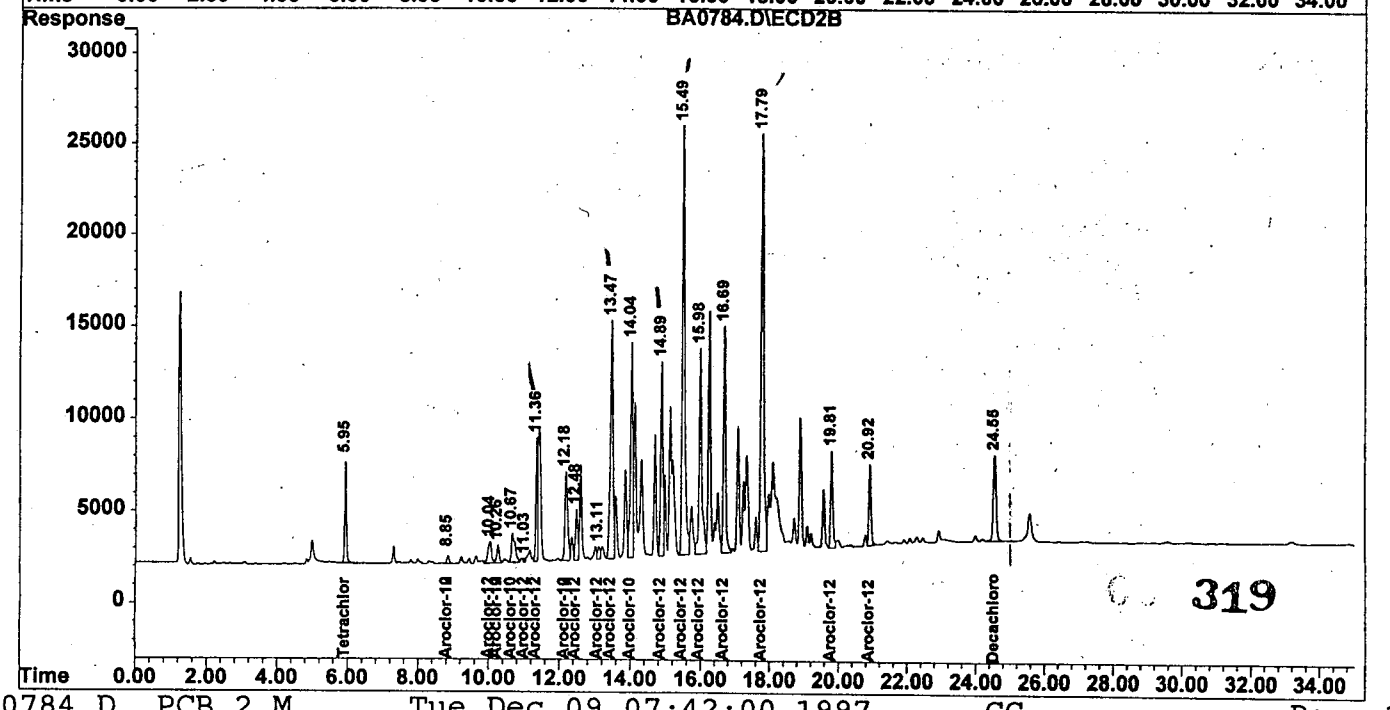
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0784.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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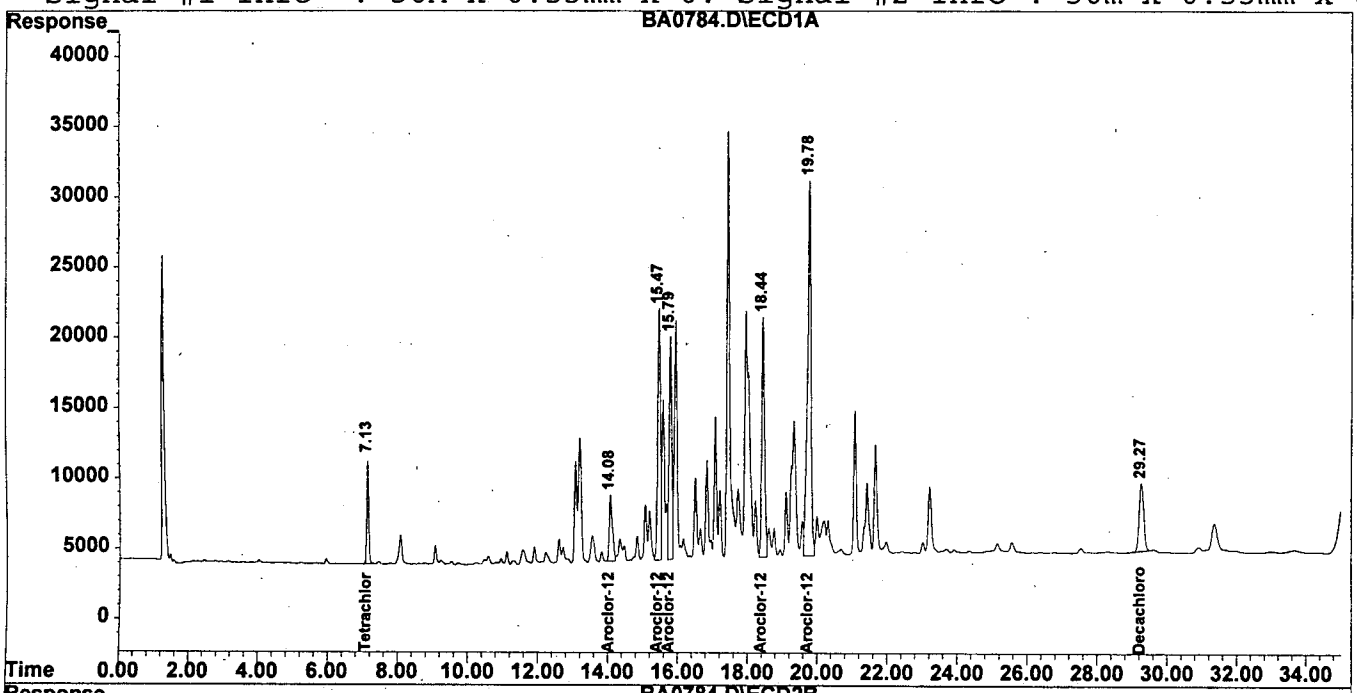
Quantitation Report

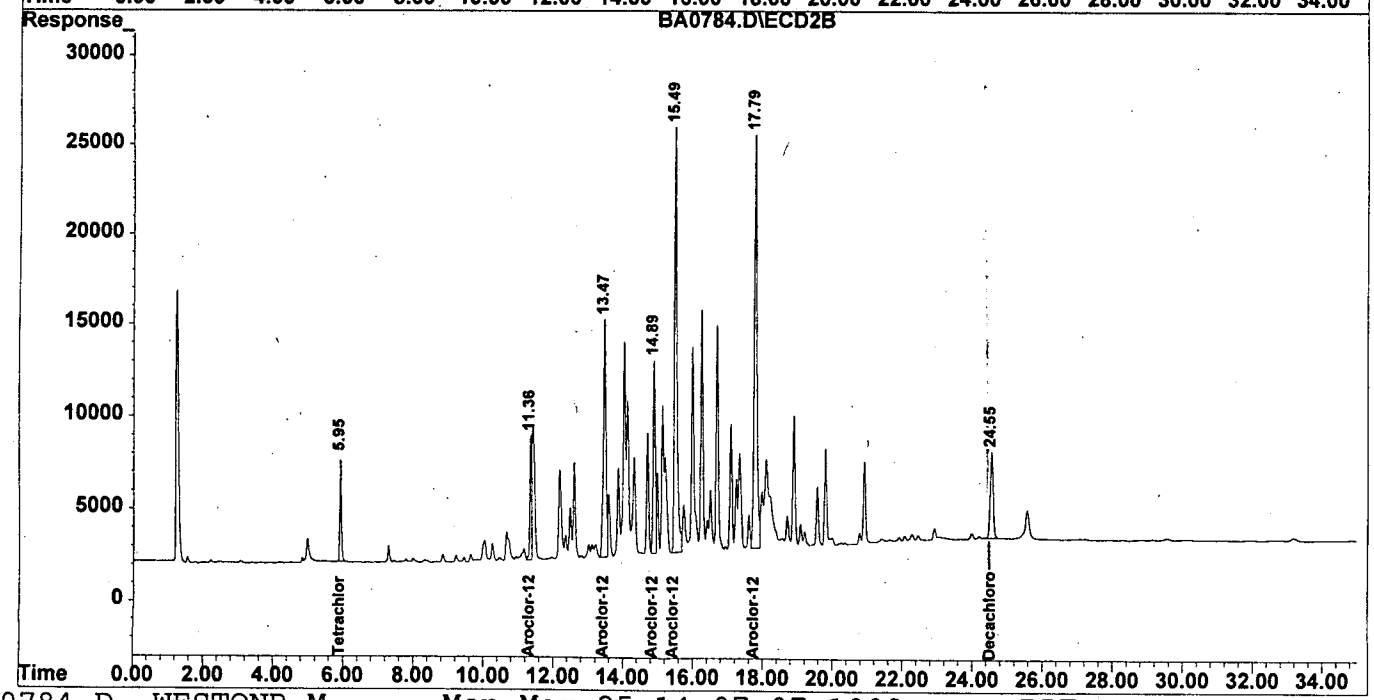
AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0784.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0784.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:06 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





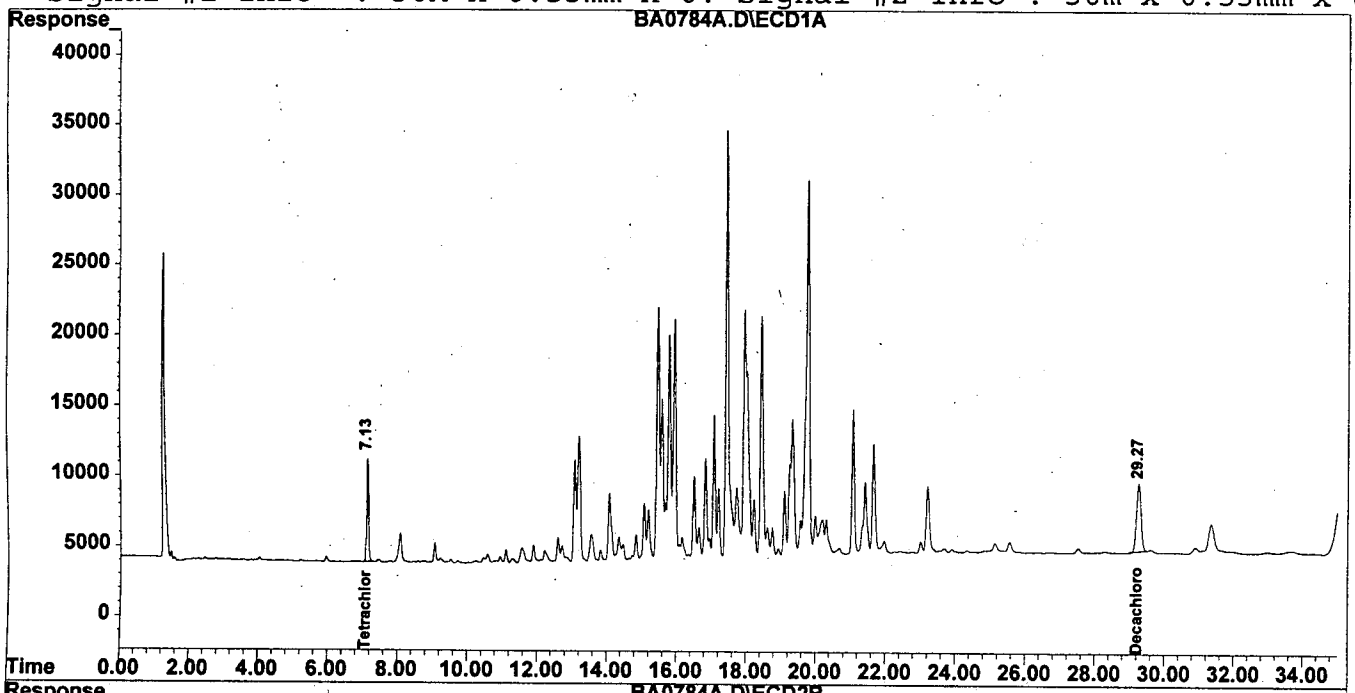
Quantitation Report

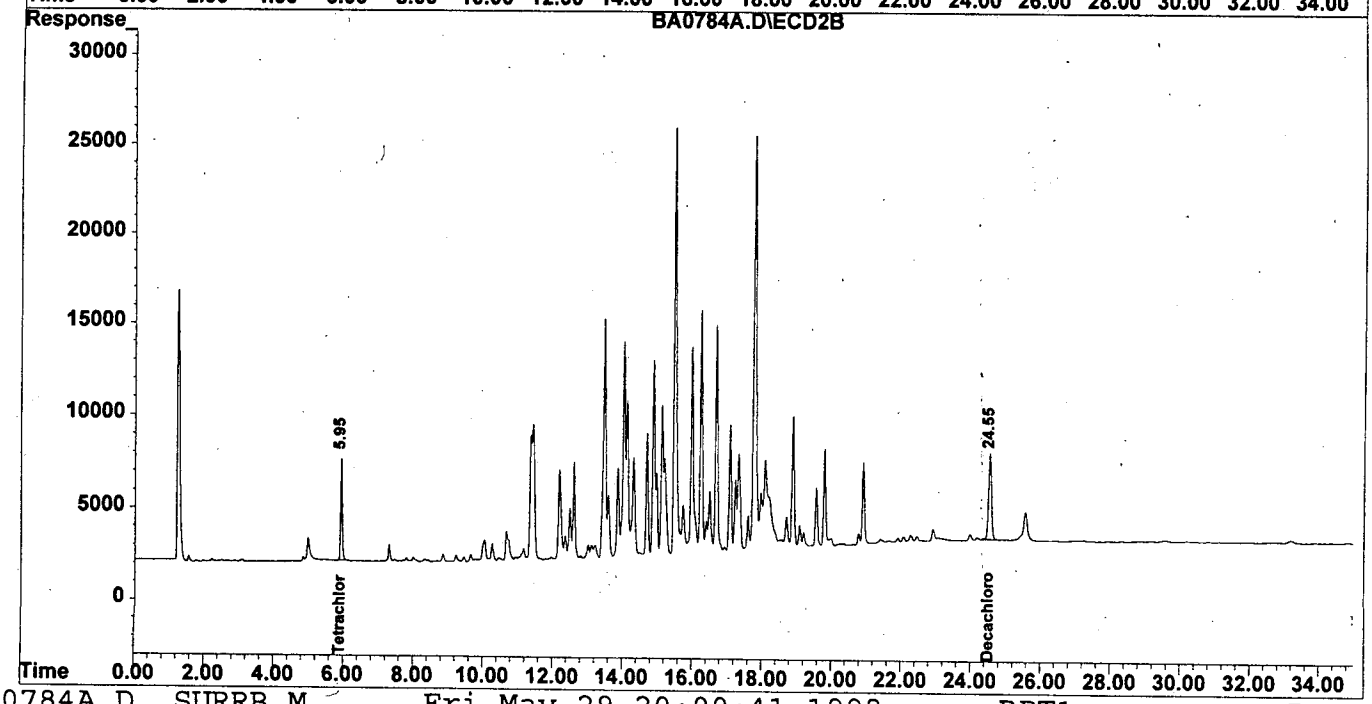
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0784A.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0784A.D\ECD2B.CH
Acq On : 9 Dec 97 1:12 Operator:
Sample : 278159 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





319B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278160
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	55.31%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	74	37
Aroclor-1221	U	U	150	100
Aroclor-1232	U	U	74	60
Aroclor-1242	U	U	74	37
Aroclor-1248	U	U	74	45
Aroclor-1254	1400	U	74	52
Aroclor-1260	U	U	74	60

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	201602	132847	22.254	20.511	
Spiked Amount 40.000 Range 43 - 150 Recovery =					55.64%	51.28%	
2) SA Decachlorobiphen	29.27	24.55	308314	197546	20.488	22.152	
Spiked Amount 40.000 Range 24 - 154 Recovery =					51.22%	55.38%	
Target Compounds							
4) L1 Aroclor-1016{1}	9.23	8.85	21903	19079	102.897	65.559	#
5) L1 Aroclor-1016{2}	10.59	10.26	39215	45806	83.175	80.916	
5) L1 Aroclor-1016{3}	11.90	10.67	73355	115101	89.181	429.577	#
6) L1 Aroclor-1016{4}	0.00	12.18	0	266234	N.D.	1037.789	#
7) L1 Aroclor-1016{5}	13.20	14.04	551667	456319	1689.482	3094.113	#
Sum Aroclor-1016			686140	902539	1964.736	4707.954	
Average Aroclor-1016					491.184	941.591	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.85	0	19079	N.D.	131.834	#
12) L3 Aroclor-1232{2}	0.00	10.04	0	79616	N.D.	1905.818	#
13) L3 Aroclor-1232{3}	10.59	11.36	39215	240217	180.677	2883.727	#
14) L3 Aroclor-1232{4}	11.90	13.11	73355	36225	208.969	640.294	#
Sum Aroclor-1232			112570	375137	389.646	5561.674	
Average Aroclor-1232					194.823	1390.418	
15) L4 Aroclor-1242{1}	0.00	8.85	0	19079	N.D.	76.350	#
16) L4 Aroclor-1242{2}	10.59	10.04	39215	79616	106.947	1037.308	#
17) L4 Aroclor-1242{3}	11.29	11.03	24415	6717	220.221	41.639	#
18) L4 Aroclor-1242{4}	0.00	12.18	0	266234	N.D.	1150.479	#
19) L4 Aroclor-1242{5}	14.08	0.00	319145	0	878.245	N.D.	#
Sum Aroclor-1242			382776	371646	1205.412	2305.777	
Average Aroclor-1242					401.804	576.444	
20) L5 Aroclor-1248{1}	10.59	10.26	39215	45806	202.146	109.975	#
21) L5 Aroclor-1248{2}	11.90	12.18	73355	266234	131.114	785.627	#
22) L5 Aroclor-1248{3}	13.20	12.49	551667	132142	1334.726	417.456	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23)	L5 Aroclor-1248{4}	14.08	13.47	319145	609603	643.002	2265.519	#
24)	L5 Aroclor-1248{5}	16.10	15.49	39014	995097	103.481	7900.591	#
	Sum Aroclor-1248			1022396	2048881	2414.469	11479.168	
	Average Aroclor-1248					482.894	2295.834	
	See p.322A							
25)	L6 Aroclor-1254{1}	14.08	11.36	319145	240217	2351.259	1089.581	#
26)	L6 Aroclor-1254{2}	15.47	13.47	851918	609603	2310.723	1455.684	#
27)	L6 Aroclor-1254{3}	15.79	14.89	713976	398495	1549.277	2665.717	#
28)	L6 Aroclor-1254{4}	18.44	15.49	780513	995097	1925.802	2047.821	
29)	L6 Aroclor-1254{5}	19.78	17.79	1523265	1004983	1765.071	2211.487	#
	Sum Aroclor-1254			4188816	3248396	9902.133	9470.290	
	Average Aroclor-1254					1980.427	1894.058	
30)	L7 Aroclor-1260{1}	18.03	15.99	578585	489849	1111.719	1437.241	#
31)	L7 Aroclor-1260{2}	18.44	16.69	780513	455340	1267.998	1120.021	
32)	L7 Aroclor-1260{3}	20.00	17.79	107055	1004983	234.623	1948.618	#
33)	L7 Aroclor-1260{4}	21.08	19.81	400766	188523	860.119	301.082	#
34)	L7 Aroclor-1260{5}	21.67	20.93	356480	157725	276.529	333.921	
	Sum Aroclor-1260			2223399	2296420	3750.987	5140.884	
	Average Aroclor-1260					750.197	1028.177	

322

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0785.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0785.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:06 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	198910	131927	10.615	10.314
Spiked Amount 40.000 Range 43 - 150 Recovery =					26.54%#	25.79%#
2) SA Decachlorobiphen	29.27	24.55	308314	184715	13.981	19.885 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					34.95%	49.71%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	302468	238718	2229.137m	1074.417 #
4) L6 Aroclor-1254{2}	15.47	13.47	843699	609067	2199.527	1453.246 #
5) L6 Aroclor-1254{3}	15.79	14.89	708235	390865	1345.525	2606.973 #
6) L6 Aroclor-1254{4}	18.44	15.49	778891	988955	1816.530	1988.489
7) L6 Aroclor-1254{5}	19.78	17.79	1523174	998495	1753.932	2083.803
Sum Aroclor-1254			4156467	3226101	9344.651	9206.928
Average Aroclor-1254					1868.930	1841.386

322A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0785A.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0785A.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	198910	131927	21.382	21.832
Spiked Amount 40.000 Range 43 - 150 Recovery =					53.46%	54.58%
2) SA Decachlorobiphen	29.27	24.55	308314	184715	20.415	22.235
Spiked Amount 40.000 Range 24 - 154 Recovery =					51.04%	55.59%

Target Compounds

3 2 2B

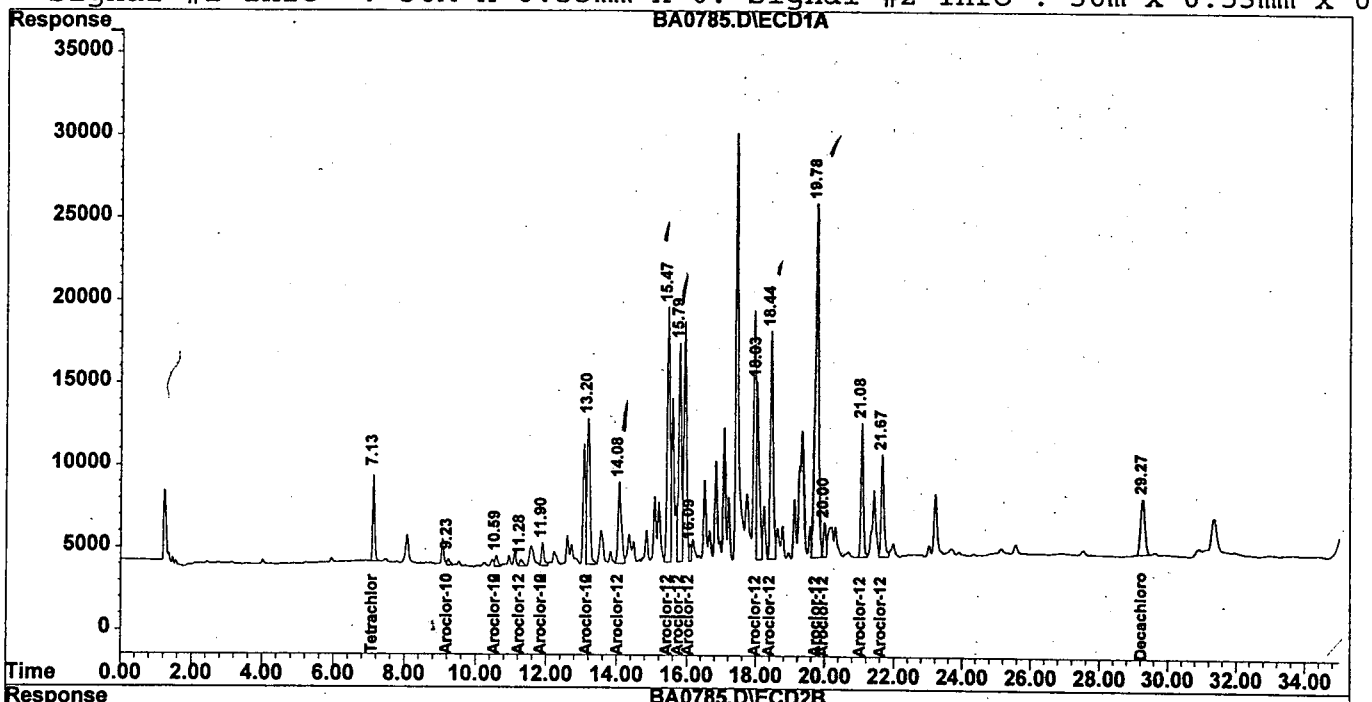
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

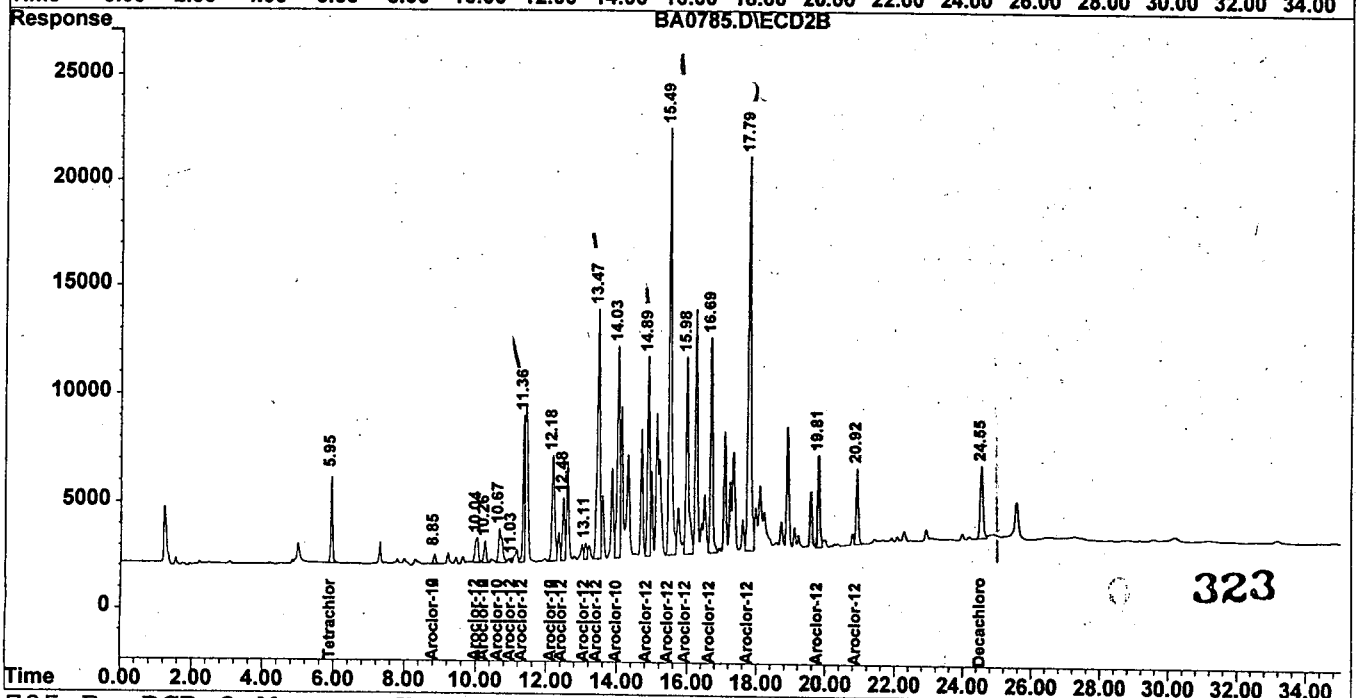
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0785.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:45 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





323

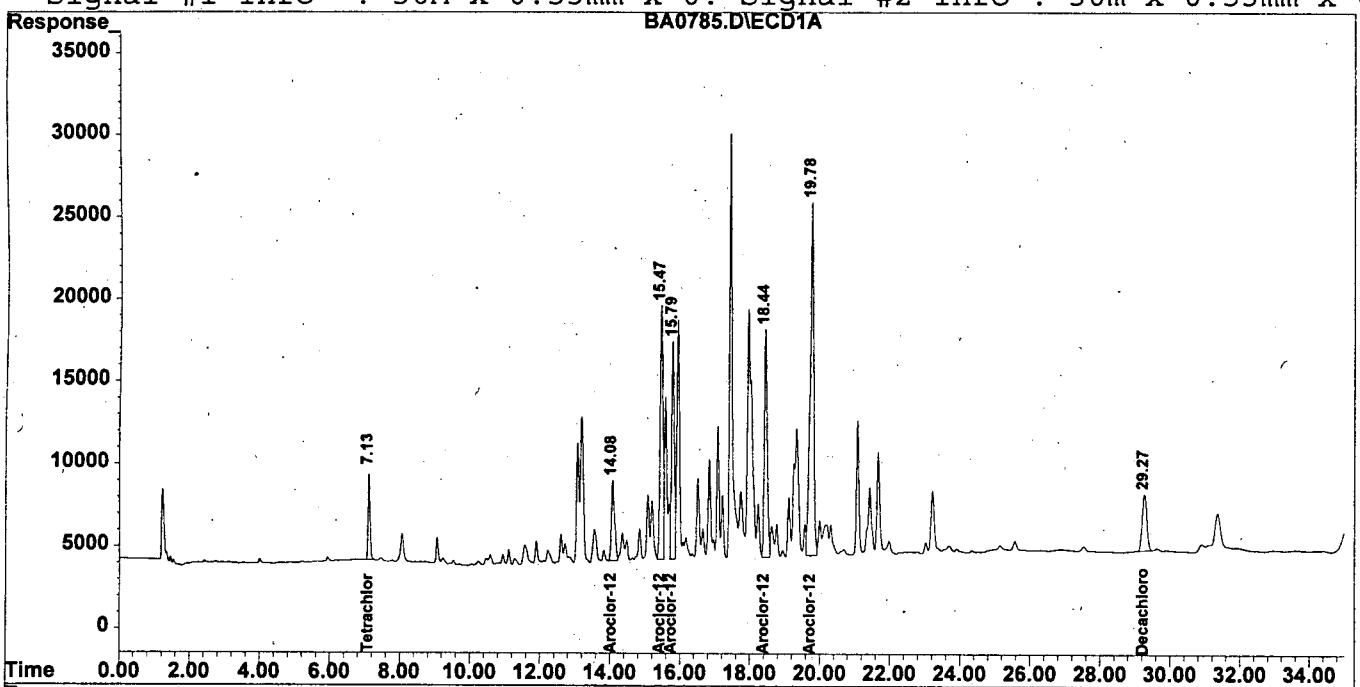
Quantitation Report

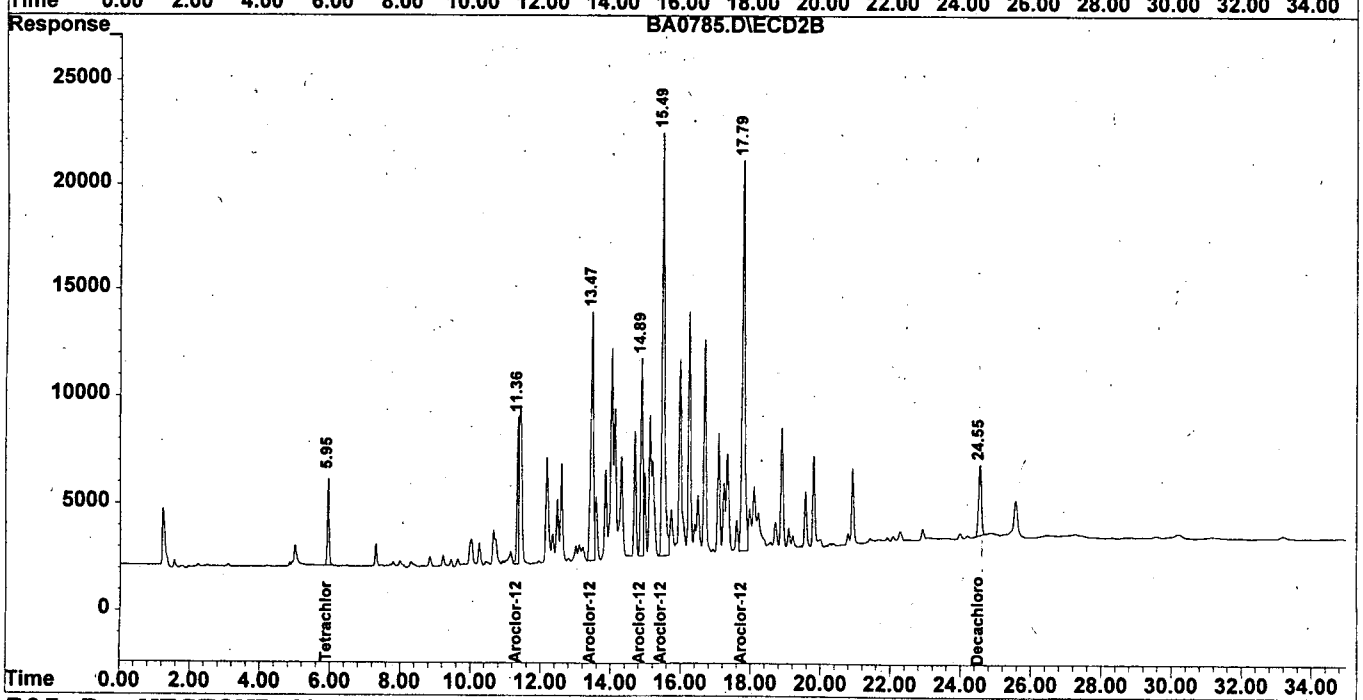
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0785.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0785.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:06 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





323A

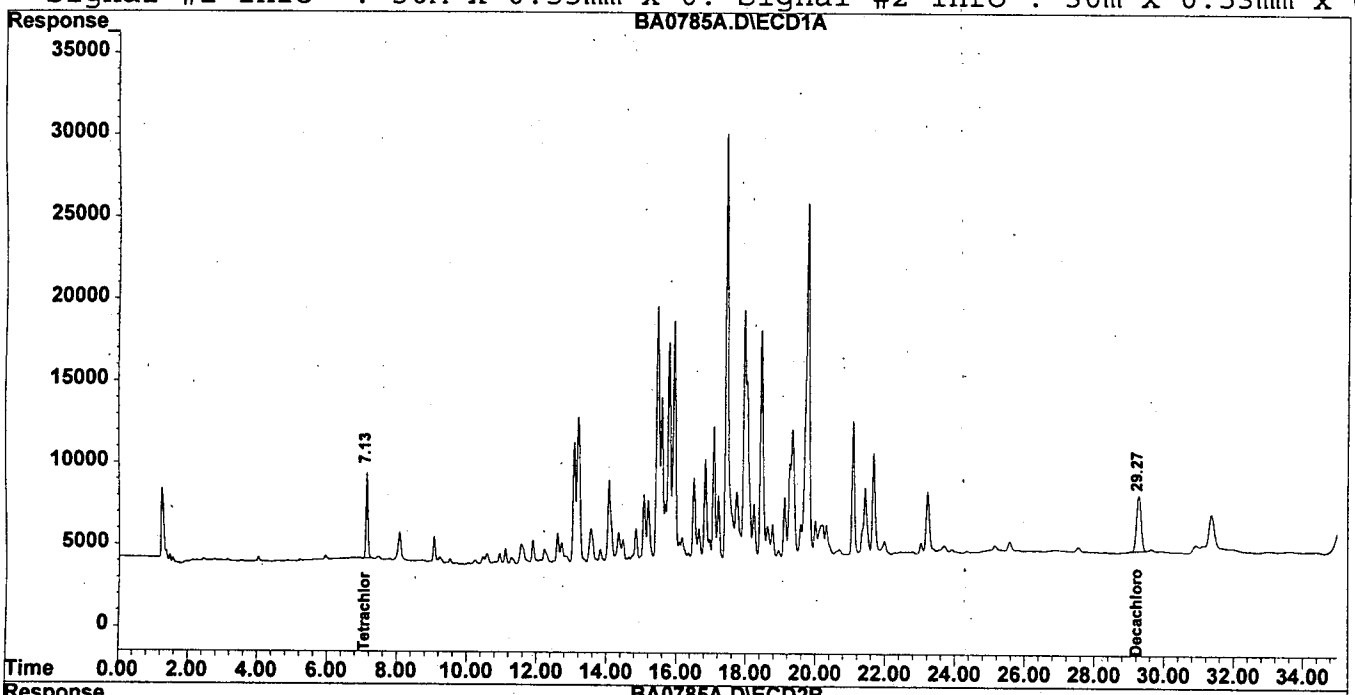
Quantitation Report

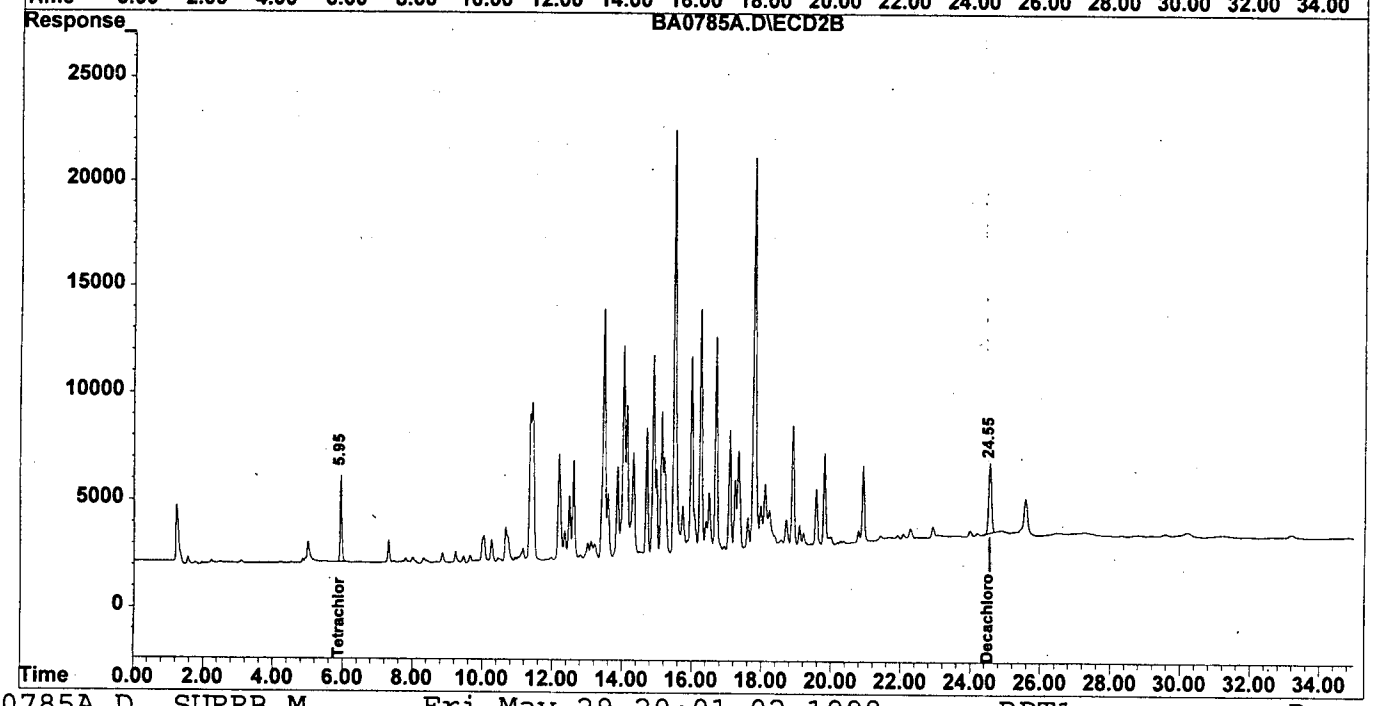
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0785A.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0785A.D\ECD2B.CH
Acq On : 9 Dec 97 1:50 Operator:
Sample : 278160 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278161
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	~~100ml~~
Dilution Factor:	10	Sample Moisture:	58.23%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	800	400
Aroclor-1221	U	U	1600	1100
Aroclor-1232	U	U	800	640
Aroclor-1242	U	U	800	400
Aroclor-1248	~~7500~~ 6700 J	U	800	480
Aroclor-1254	~~10000~~ 9900 J	U	800	560
Aroclor-1260	U J	U	800	640

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:20 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	37064	26369	4.091	4.071
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.23%#	10.18%#
2) SA Decachlorobiphen	29.13	24.46	63243	40235	4.203	4.512
Spiked Amount 40.000 Range 24 - 154 Recovery =					10.51%#	11.28%#
Target Compounds						
3) L1 Aroclor-1016{1}	9.14	8.85	14361	137619	67.466	472.890 #
4) L1 Aroclor-1016{2}	10.59	10.26	170931	264489	362.541	467.223 #
5) L1 Aroclor-1016{3}	11.90	10.67	379724	121452	461.651	453.277
6) L1 Aroclor-1016{4}	12.40	12.18	24491	383643	87.477	1495.456 #
7) L1 Aroclor-1016{5}	13.19	14.02	722618	295992	2213.022	2007.001
Sum Aroclor-1016			1312125	1203195	3192.158	4896.847
Average Aroclor-1016					638.432	979.169
9) L2 Aroclor-1221{2}	8.93	7.46	18373	10031	187.060	142.255
10) L2 Aroclor-1221{3}	9.14	7.62	14361	9296	47.443	38.113
Sum Aroclor-1221			32734	19328	234.502	180.368
Average Aroclor-1221					117.251	90.184
11) L3 Aroclor-1232{1}	8.93	8.85	18373	137619	320.971	950.939 #
12) L3 Aroclor-1232{2}	9.14	10.00	14361	215622	70.272	5161.451 #
13) L3 Aroclor-1232{3}	10.59	11.36	170931	294376	787.533	3533.881 #
14) L3 Aroclor-1232{4}	11.90	13.09	379724	56076	1081.732	991.175
Sum Aroclor-1232			583389	703693	2260.507	10637.446
Average Aroclor-1232					565.127	2659.362
15) L4 Aroclor-1242{1}	9.14	8.85	14361	137619	78.341	550.729 #
16) L4 Aroclor-1242{2}	10.59	10.00	170931	215622	466.157	2809.300 #
17) L4 Aroclor-1242{3}	11.29	11.02	72919	75785	657.724	469.825 #
18) L4 Aroclor-1242{4}	12.83	12.18	64039	383643	371.767	1657.843 #
19) L4 Aroclor-1242{5}	14.08	14.22	546408	59055	1503.642	660.756 #
Sum Aroclor-1242			868659	871725	3077.631	6148.452
Average Aroclor-1242					615.526	1229.690
20) L5 Aroclor-1248{1}	10.59	10.26	170931	264489	881.109	635.012 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

325

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:20 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
21)	L5 Aroclor-1248{2}	11.90	12.18	379724	383643	678.717	1132.090	#
22)	L5 Aroclor-1248{3}	13.19	12.48	722618	234841	1748.333	741.900	#
23)	L5 Aroclor-1248{4}	14.08	13.46	546408	624359	1100.884	2320.357	#
24)	L5 Aroclor-1248{5}	16.08	15.47	112980	664629	299.670	5276.837	#
	Sum Aroclor-1248			1932661	2171962	4708.713	10106.196	
	Average Aroclor-1248					941.743	2021.239	
	also include AR 1248							
25)	L6 Aroclor-1254{1}	14.08	11.36	398516	294376	2936.012m	1335.234	#
26)	L6 Aroclor-1254{2}	15.47	13.46	496250	624359	1346.016	1490.921	
27)	L6 Aroclor-1254{3}	15.78	14.87	470646	189514	1021.268	1267.747	
28)	L6 Aroclor-1254{4}	18.42	15.47	476091	664629	1174.684	1367.748	
29)	L6 Aroclor-1254{5}	19.74	17.76	939811	590580	1088.999	1299.583	
	Sum Aroclor-1254			2781313	2363458	7566.980	6761.232	
	Average Aroclor-1254					1513.396	1352.246	
30)	L7 Aroclor-1260{1}	0.00	15.97	0	329857	N.D.	967.816	#
31)	L7 Aroclor-1260{2}	18.42	16.67	476091	290100	773.443	713.572	
32)	L7 Aroclor-1260{3}	19.97	17.76	100010	590580	219.182	1145.108	#
33)	L7 Aroclor-1260{4}	21.04	19.77	271198	110933	582.041	177.167	#
34)	L7 Aroclor-1260{5}	21.62	20.88	190918	90814	148.099	192.263	#
	Sum Aroclor-1260			1038216	1412283	1722.765	3195.925	
	Average Aroclor-1260					430.691	639.185	

3260B

used for quantitation

For AR1248, use the first 3 peaks for quantitation

326

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial: MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0835.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0835.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:10 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36679	26099	1.957	2.040
Spiked Amount 40.000 Range 43 - 150 Recovery =					4.89%#	5.10%#
2) SA Decachlorobiphen	29.13	24.46	63198	40112	2.866	4.318 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					7.17%#	10.80%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	388438	292259	2862.721m	1315.393 #
4) L6 Aroclor-1254{2}	15.47	13.46	460594	623463	1200.772	1487.595
5) L6 Aroclor-1254{3}	15.78	14.87	401670	181786	763.104	1212.468 #
6) L6 Aroclor-1254{4}	18.42	15.47	465312	649577	1085.200	1306.103
7) L6 Aroclor-1254{5}	19.74	17.76	933168	574751	1074.542	1199.473
Sum Aroclor-1254			2649183	2321837	6986.339	6521.033
Average Aroclor-1254					1397.268	1304.207
					974.28	1239.35

also part of AR1260

for quantification

Use RTX-1701 result.

%D>15 for CCV on the RTX-50 column

326A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0835A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0835A.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36679	26099	3.943	4.319
Spiked Amount 40.000 Range 43 - 150 Recovery =					9.86%#	10.80%#
2) SA Decachlorobiphen	29.13	24.46	63198	40112	4.185	4.828
Spiked Amount 40.000 Range 24 - 154 Recovery =					10.46%#	12.07%#

Target Compounds

326B

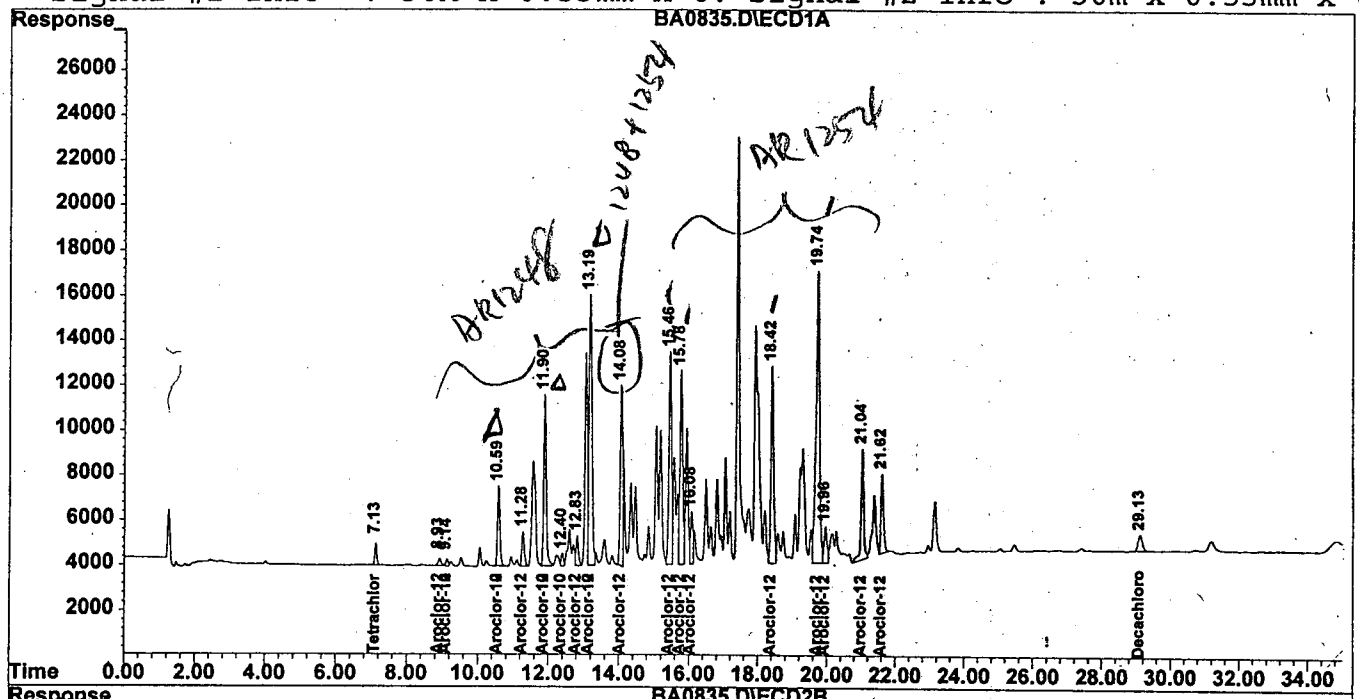
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

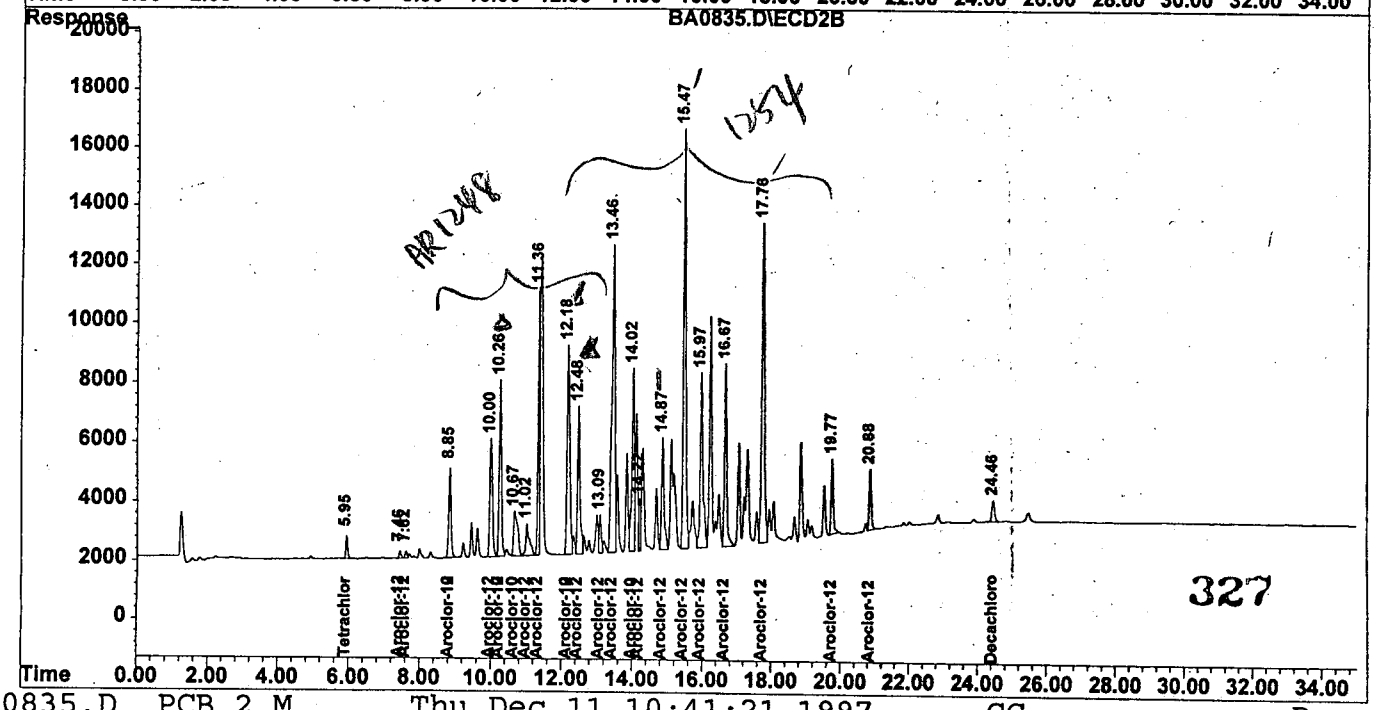
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA_B\BA0835.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:20 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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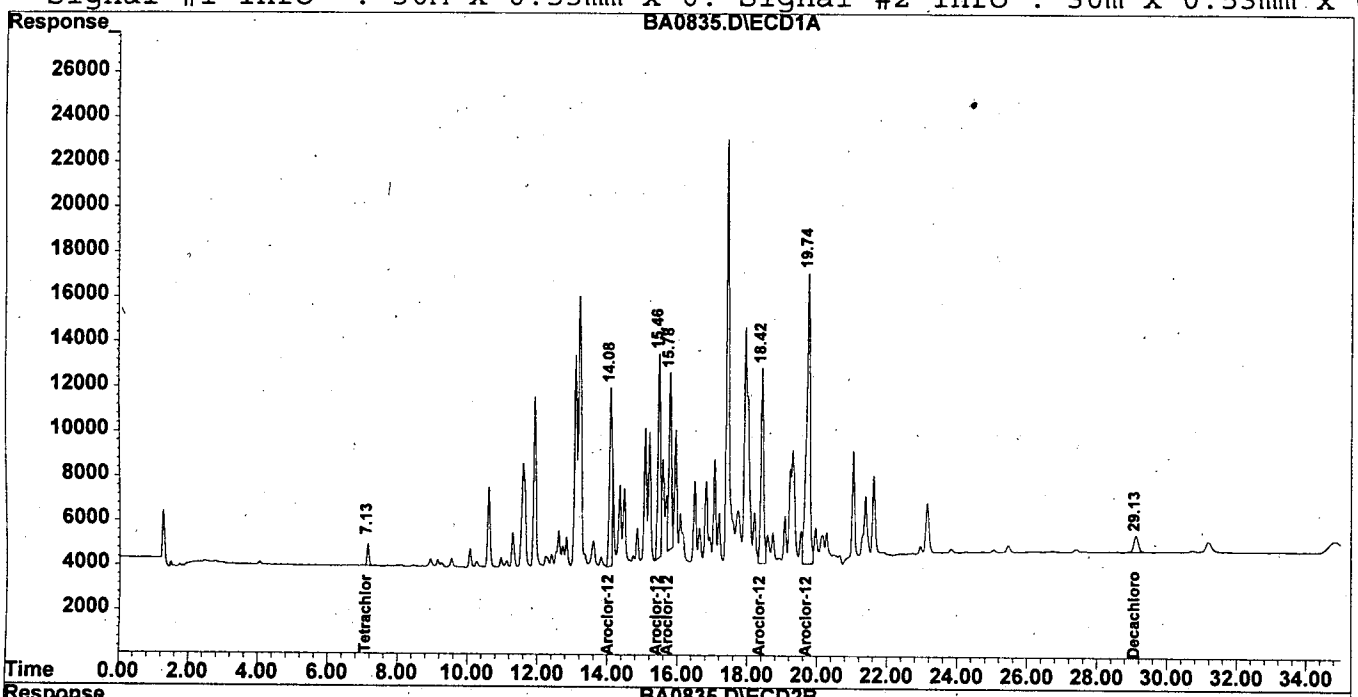
Quantitation Report

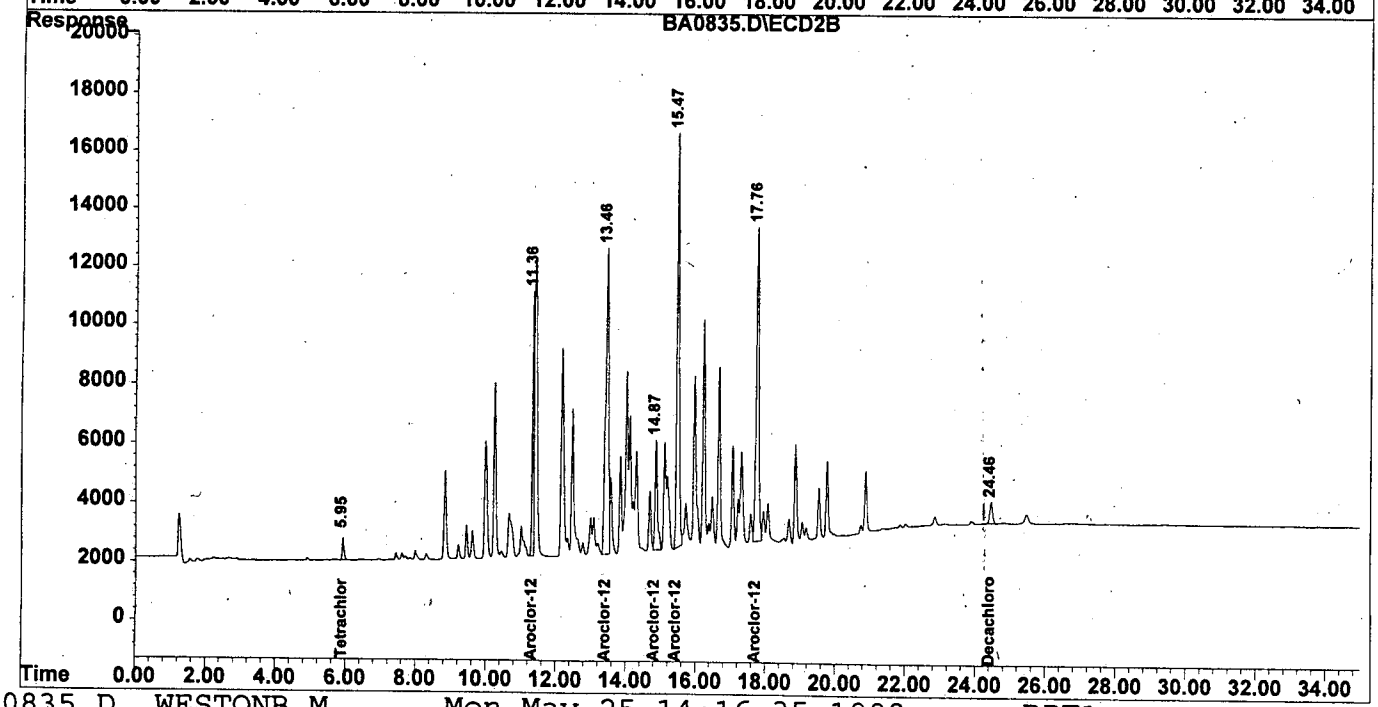
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0835.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDA~1\BA0835.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:10 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



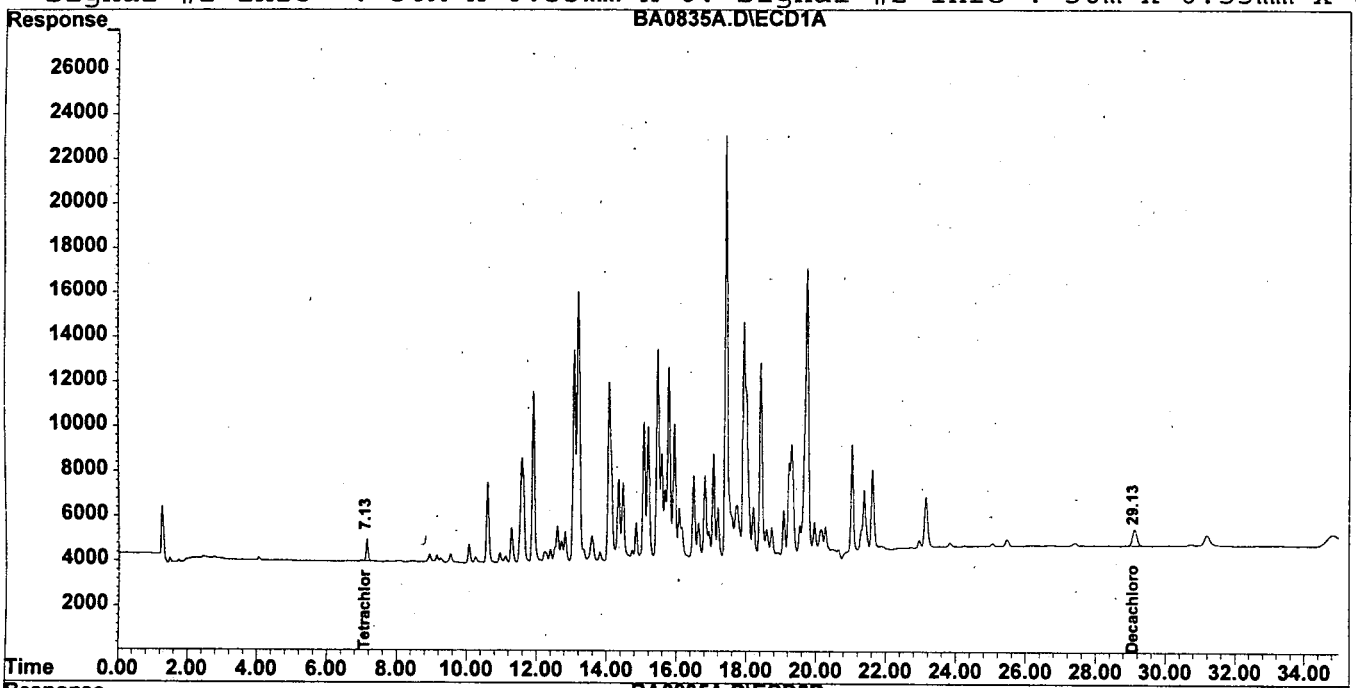


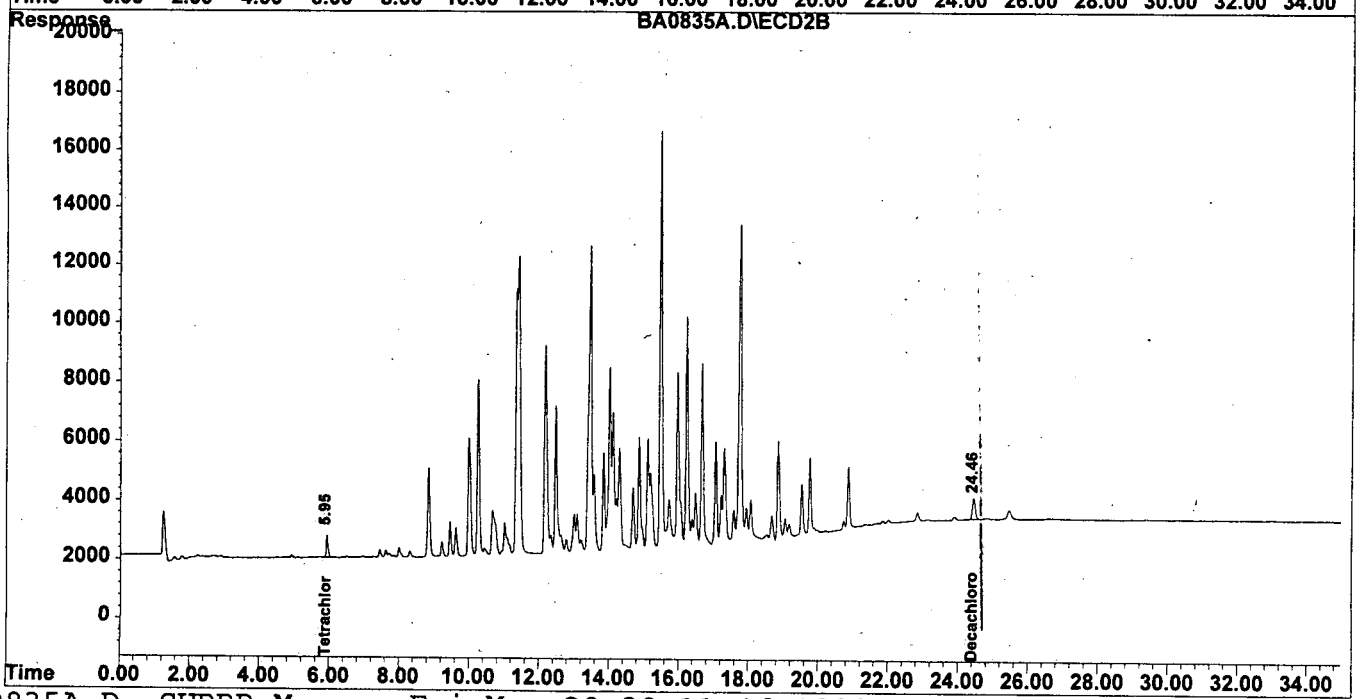
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0835A.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDA~1\BA0835A.D\ECD2B.CH
Acq On : 10 Dec 97 17:16 Operator:
Sample : 278161 1:10 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278162
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	36.22%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	260	130
Aroclor-1221	U	U	520	360
Aroclor-1232	U	U	260	210
Aroclor-1242	U J	U	260	130
Aroclor-1248	U J	U	260	160
Aroclor-1254	~~3400~~ 3900	U	260	180
Aroclor-1260	U	U	260	210

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	82565	56240	9.114	8.683
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.79%#	21.71%#
2) SA Decachlorobiphen	29.12	24.46	134681	84334	8.950	9.457
Spiked Amount 40.000 Range 24 - 154 Recovery =					22.38%#	23.64%#
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.85	0	13244	N.D.	45.510 #
4) L1 Aroclor-1016{2}	10.59	10.26	19199	24604	40.721	43.464
5) L1 Aroclor-1016{3}	11.90	10.67	31771	65769	38.626	245.461 #
6) L1 Aroclor-1016{4}	0.00	12.18	0	140089	N.D.	546.072 #
7) L1 Aroclor-1016{5}	13.19	14.02	316395	345616	968.962	2343.481 #
Sum Aroclor-1016			367365	589323	1048.309	3223.989
Average Aroclor-1016					349.436	644.798
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	0.00	8.85	0	13244	N.D.	91.517 #
12) L3 Aroclor-1232{2}	0.00	10.03	0	46463	N.D.	1112.202 #
13) L3 Aroclor-1232{3}	10.59	11.41	19199	383633	88.456	4605.387 #
14) L3 Aroclor-1232{4}	11.90	13.10	31771	24033	90.508	424.791 #
Sum Aroclor-1232			50970	467373	178.964	6233.898
Average Aroclor-1232					89.482	1558.474
15) L4 Aroclor-1242{1}	0.00	8.85	0	13244	N.D.	53.002 #
16) L4 Aroclor-1242{2}	10.59	10.03	19199	46463	52.359	605.354 #
17) L4 Aroclor-1242{3}	11.28	0.00	11643	0	105.018	N.D. #
18) L4 Aroclor-1242{4}	0.00	12.18	0	140089	N.D.	605.368 #
19) L4 Aroclor-1242{5}	14.07	14.30	151319	181296	416.408	2028.478 #
Sum Aroclor-1242			182161	381092	573.785	3292.203
Average Aroclor-1242					191.262	823.051
20) L5 Aroclor-1248{1}	10.59	10.26	19199	24604	98.967	59.073 #
21) L5 Aroclor-1248{2}	11.90	12.18	31771	140089	56.788	413.387 #
22) L5 Aroclor-1248{3}	13.19	12.48	316395	69679	765.500	220.126 #

329

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{4}	14.07	13.46	151319	424604	304.871	1577.992	#
24) L5	Aroclor-1248{5}	0.00	15.47	0	718789	N.D.	5706.843	#
Sum	Aroclor-1248			518684	1377766	1226.125	7977.422	
Average	Aroclor-1248					306.531	1595.484	
						m	m	
25) L6	Aroclor-1254{1}	14.07	11.36	151319	133624	1114.819	606.094	m#
26) L6	Aroclor-1254{2}	15.46	13.46	607642	424604	1648.156	1013.922	#
27) L6	Aroclor-1254{3}	15.78	14.87	544954	261742	1182.512	1750.914	#
28) L6	Aroclor-1254{4}	18.42	15.47	622446	718789	1535.796	1479.205	
29) L6	Aroclor-1254{5}	19.74	17.76	1109382	730525	1285.488	1607.535	#
Sum	Aroclor-1254			3035744	2269285	6766.771	6457.668	
Average	Aroclor-1254					1353.354	1291.534	
30) L7	Aroclor-1260{1}	18.00	15.97	459377	374161	882.666	1097.805	
31) L7	Aroclor-1260{2}	18.42	16.67	622446	356498	1011.208	876.895	
32) L7	Aroclor-1260{3}	19.97	17.76	57628	730525	126.297	1416.455	#
33) L7	Aroclor-1260{4}	21.04	19.77	301820	146333	647.764	233.702	#
34) L7	Aroclor-1260{5}	21.62	20.88	266029	114902	206.364	243.260	
Sum	Aroclor-1260			1707300	1722418	2874.299	3868.117	
Average	Aroclor-1260					574.860	773.623	
						m	m	

See P.330B

330

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0836.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0836.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:10 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	82920	56210	4.425	4.394
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.06%#	10.99%#
2) SA Decachlorobiphen	29.12	24.46	134640	83660	6.105	9.006 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					15.26%#	22.52%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.41	152228	373192	1121.894m	1679.653 #
4) L6 Aroclor-1254{2}	15.46	13.46	602988	424882	1571.993	1013.775 #
5) L6 Aroclor-1254{3}	15.78	14.87	541891	261602	1029.500	1744.821 #
6) L6 Aroclor-1254{4}	18.42	15.47	622152	718696	1450.983	1445.079
7) L6 Aroclor-1254{5}	19.74	17.76	1109382	718108	1277.451	1498.652
Sum Aroclor-1254			3028642	2496479	6451.822	7381.980
Average Aroclor-1254					1290.364	1476.396

330A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0836A.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0836A.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	82920	56210	8.914	9.302
Spiked Amount	40.000	Range	43 - 150	Recovery	= 22.29%#	23.26%#
2) SA Decachlorobiphen	29.12	24.46	134640	83660	8.915	10.070
Spiked Amount	40.000	Range	24 - 154	Recovery	= 22.29%#	25.18%

Target Compounds

3 3 0B

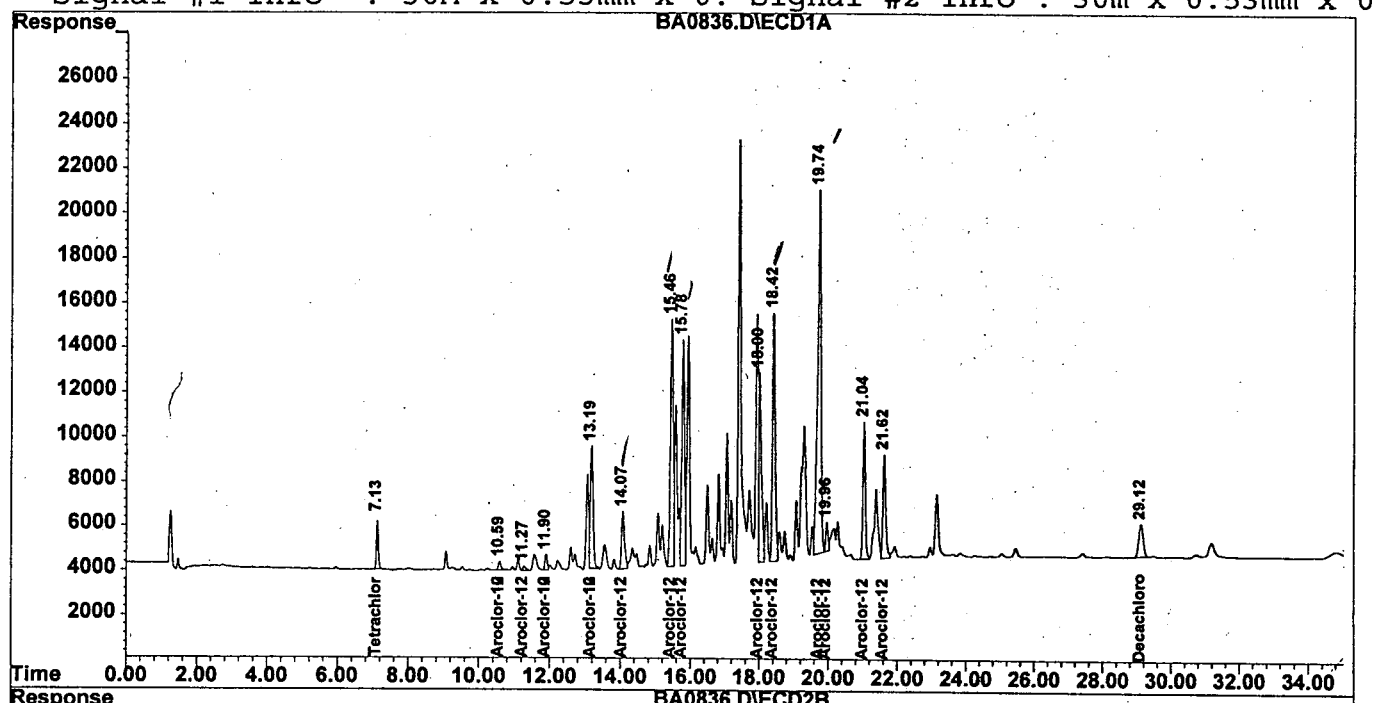
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

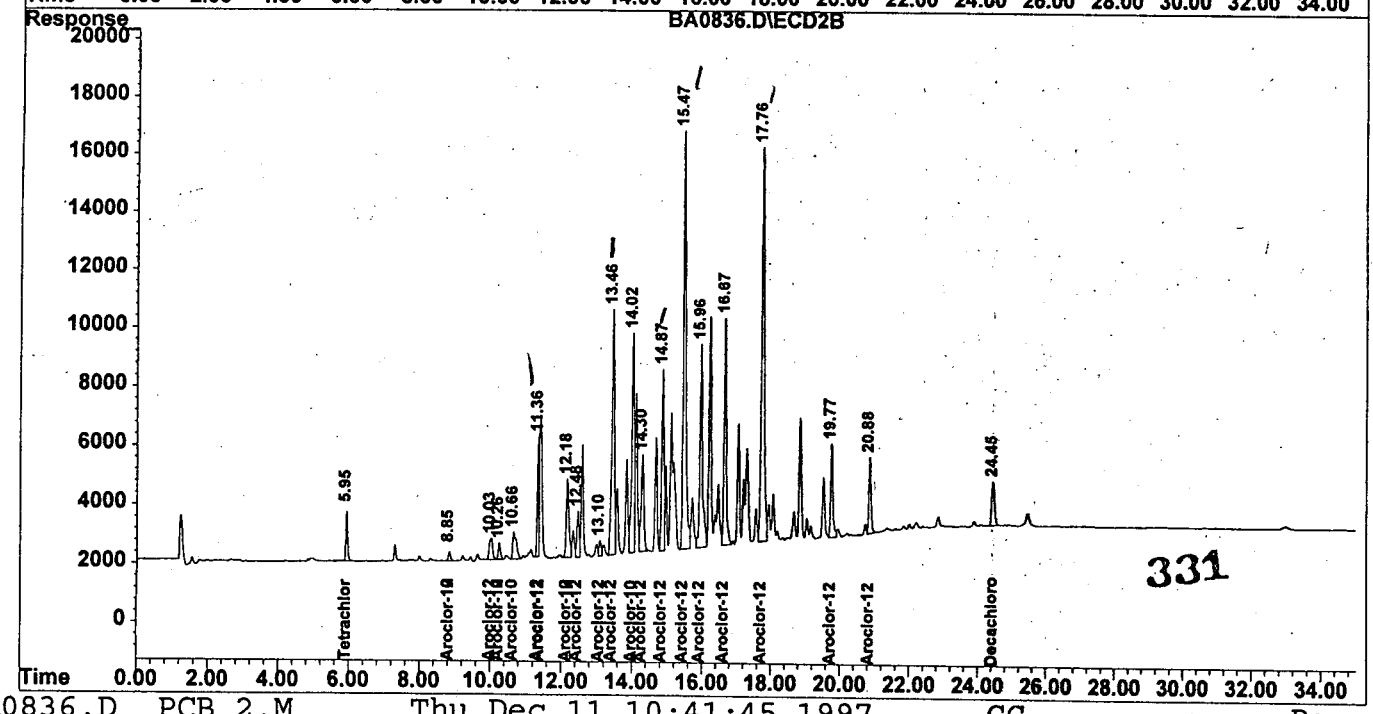
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA_B\BA0836.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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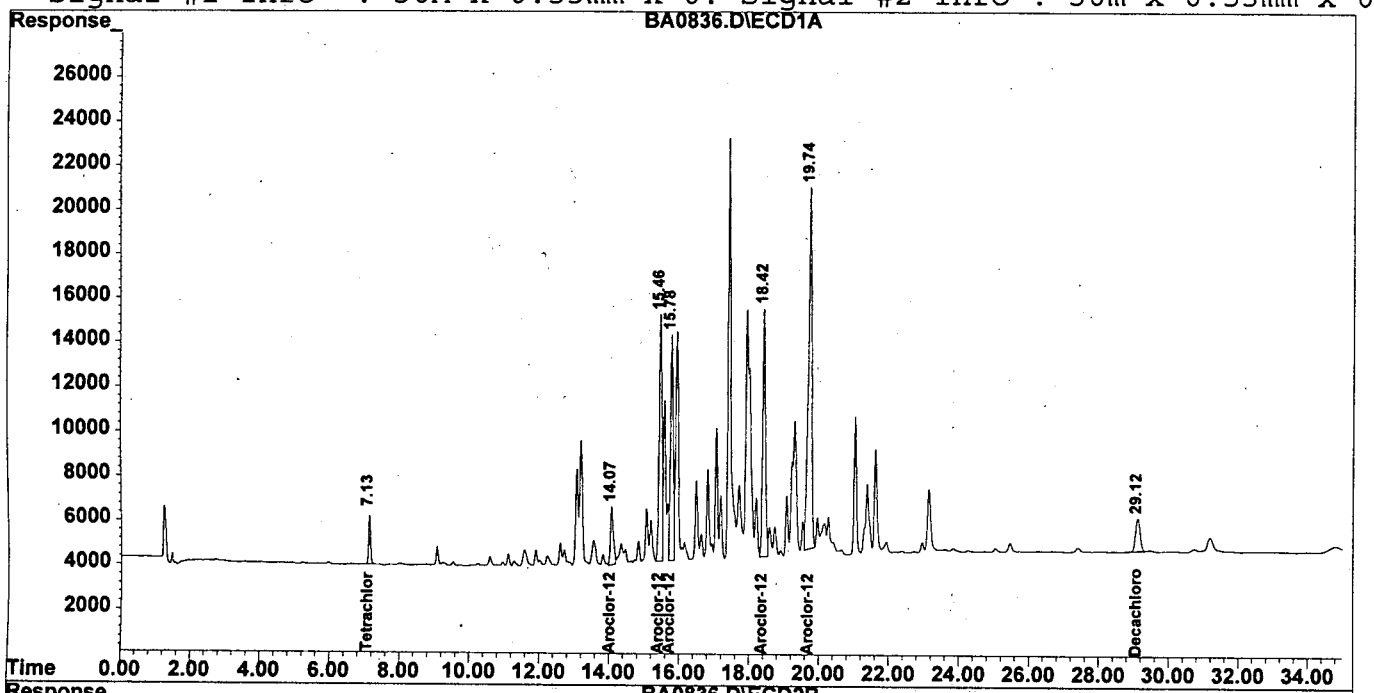
Quantitation Report

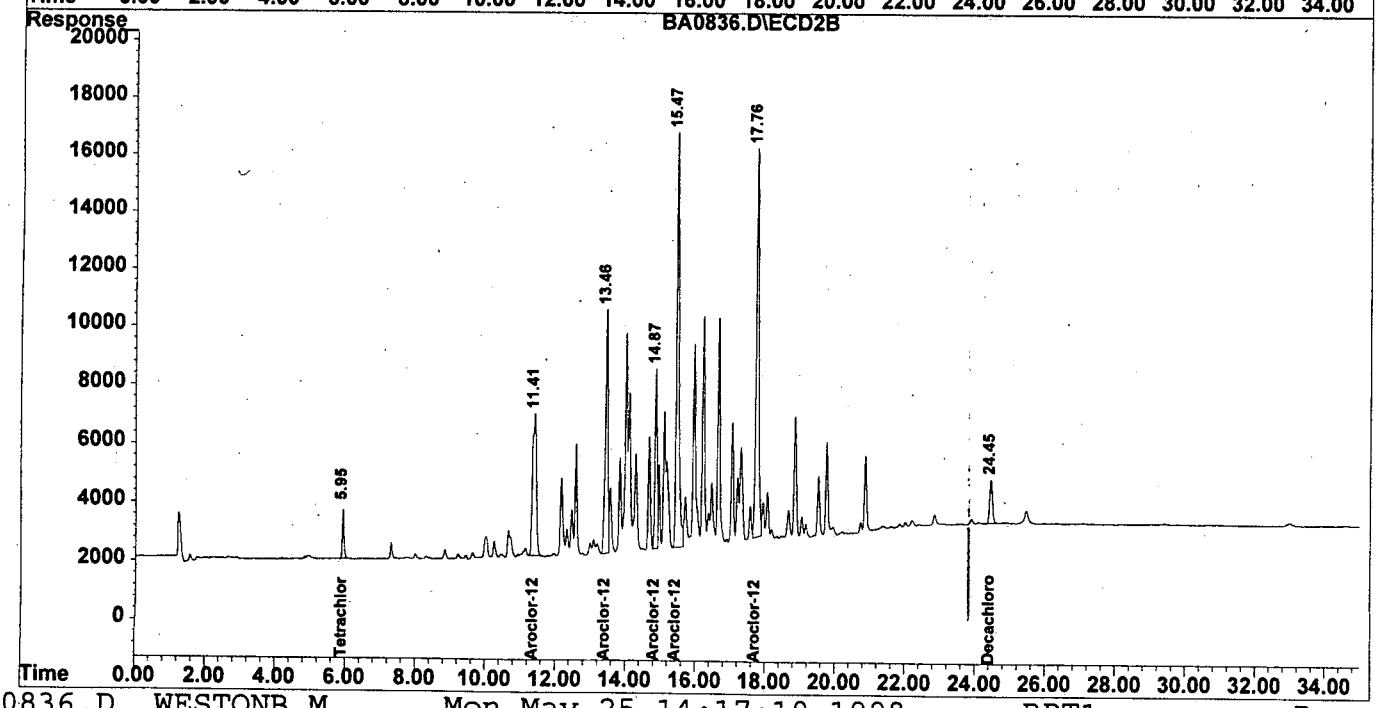
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0836.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0836.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:10 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



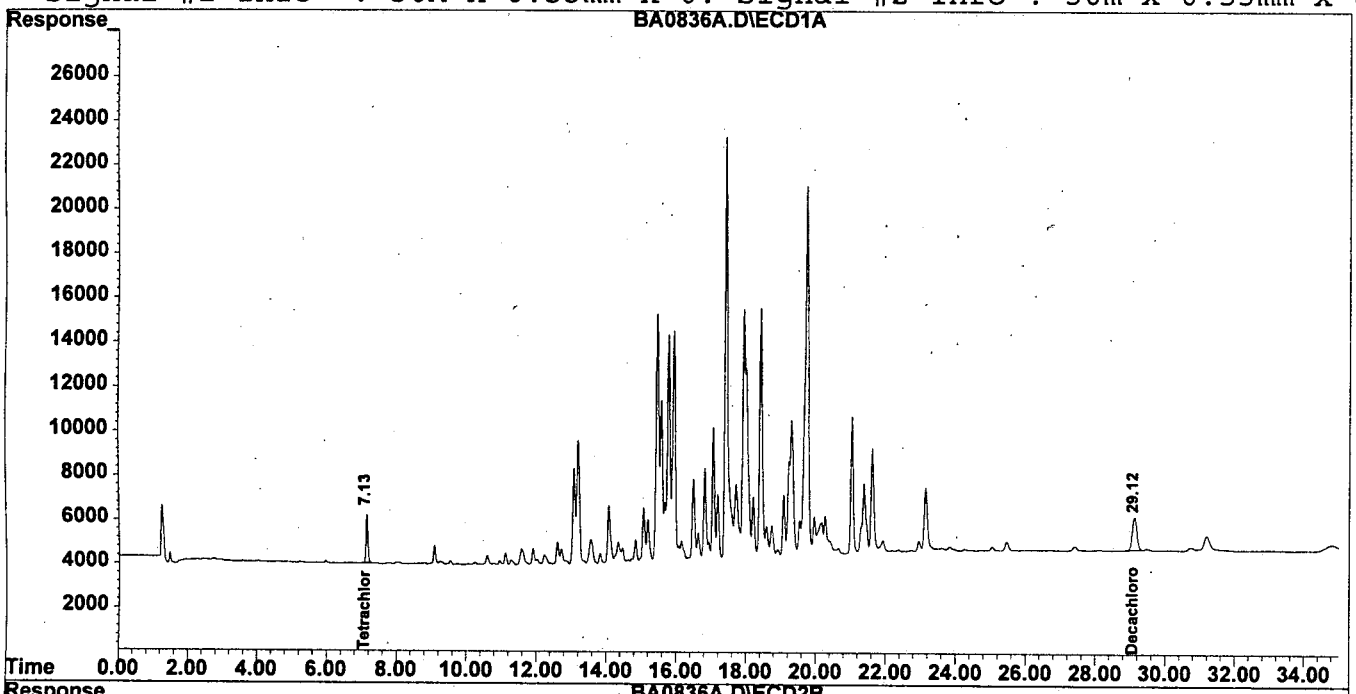


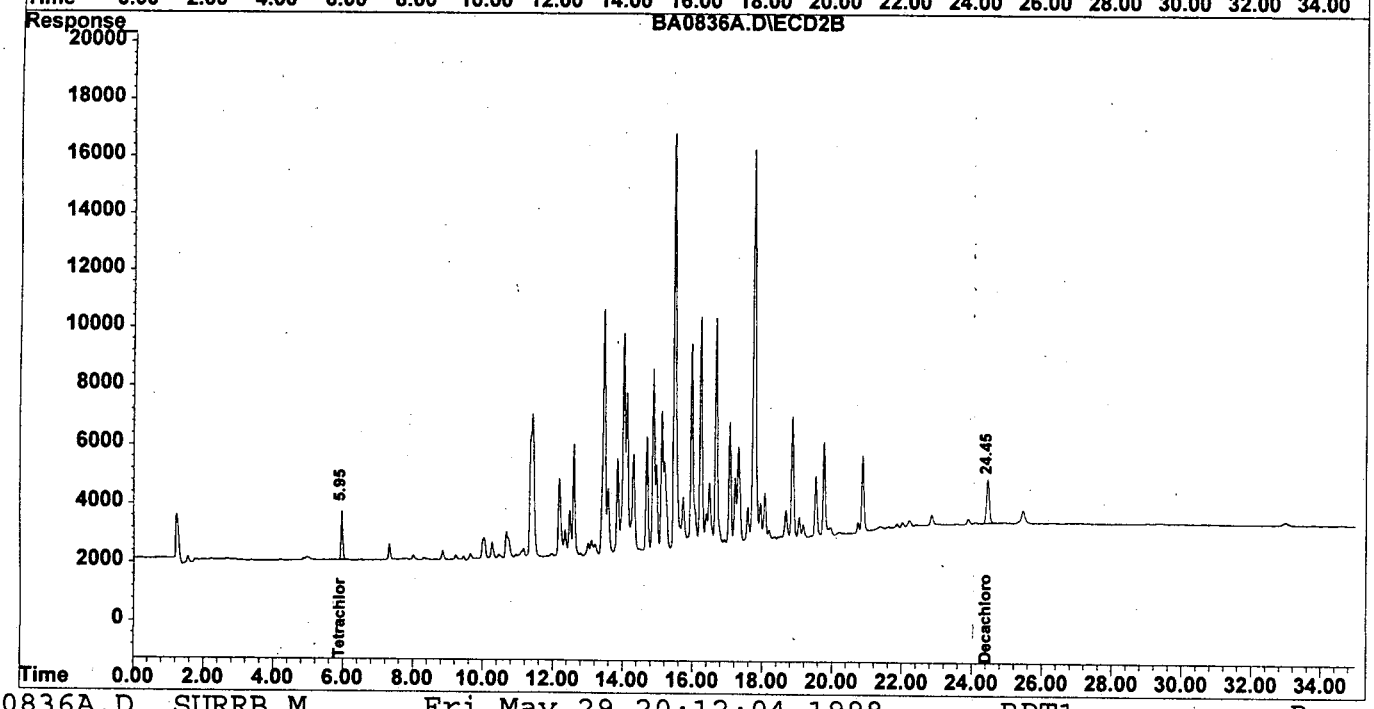
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0836A.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0836A.D\ECD2B.CH
Acq On : 10 Dec 97 17:55 Operator:
Sample : 278162 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278163
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	36.84%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	53	26
Aroclor-1221	U	U	100	74
Aroclor-1232	U	U	53	42
Aroclor-1242	U	U	53	26
Aroclor-1248	U J	U	53	32
Aroclor-1254	2400 J	U	53	37
Aroclor-1260	U	U	53	42

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

J AR1254 ! pk conc. >5000

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	342640	219423	37.823	33.877
Spiked Amount 40.000 Range 43 - 150 Recovery =					94.56%	84.69%
2) SA Decachlorobiphen	29.27	24.55	535171	360530	35.562	40.428
Spiked Amount 40.000 Range 24 - 154 Recovery =					88.90%	101.07%
Target Compounds						
3) L1 Aroclor-1016{1}	9.24	8.85	30651	43097	143.997	148.089
4) L1 Aroclor-1016{2}	10.59	10.26	78523	104365	166.546	184.363
5) L1 Aroclor-1016{3}	11.91	10.67	152717	195370	185.666	729.150 #
6) L1 Aroclor-1016{4}	12.40	12.18	10039	475379	35.857	1853.047 #
7) L1 Aroclor-1016{5}	13.19	14.03	1224776	1164166	3750.884	7893.729 #
Sum Aroclor-1016			1496706	1982377	4282.949	10808.378
Average Aroclor-1016					856.590	2161.676
9) L2 Aroclor-1221{2}	0.00	7.47	0	7608	N.D.	107.895 #
Sum Aroclor-1221			0	7608	N.D.	107.895
Average Aroclor-1221					0.000	107.895
11) L3 Aroclor-1232{1}	0.00	8.85	0	43097	N.D.	297.794 #
12) L3 Aroclor-1232{2}	0.00	10.04	0	183513	N.D.	4392.846 #
13) L3 Aroclor-1232{3}	10.59	11.36	78523	387443	361.780	4651.127 #
14) L3 Aroclor-1232{4}	11.91	13.11	152717	108145	435.050	1911.531 #
Sum Aroclor-1232			231240	722198	796.830	11253.298
Average Aroclor-1232					398.415	2813.324
15) L4 Aroclor-1242{1}	0.00	8.85	0	43097	N.D.	172.465 #
16) L4 Aroclor-1242{2}	10.59	10.04	78523	183513	214.145	2390.959 #
17) L4 Aroclor-1242{3}	11.34	11.02	49128	15072	443.130	93.439 #
18) L4 Aroclor-1242{4}	12.83	12.18	34564	475379	200.654	2054.264 #
19) L4 Aroclor-1242{5}	14.08	0.00	525395	0	1445.815	N.D. #
Sum Aroclor-1242			687609	717061	2303.744	4711.127
Average Aroclor-1242					575.936	1177.782
20) L5 Aroclor-1248{1}	10.59	10.26	78523	104365	404.768	250.572 #
21) L5 Aroclor-1248{2}	11.91	12.18	152717	475379	272.966	1402.794 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{3}	13.19	12.48	1224776	238353	2963.275	752.993	#
23)	L5 Aroclor-1248{4}	14.08	13.47	525395	1436027	1058.545	5336.825	#
24)	L5 Aroclor-1248{5}	16.18	15.49	194463	2654162	515.798	21072.773	#
	Sum Aroclor-1248			2175873	4908286	5215.351	28815.956	
	Average Aroclor-1248					1043.070	5763.191	
						NP	NP	
			see p.334A					
25)	L6 Aroclor-1254{1}	14.08	11.36	525395	387443	3870.772	1757.372	#
26)	L6 Aroclor-1254{2}	15.47	13.47	2284145	1436027	6195.465	3429.119	#
27)	L6 Aroclor-1254{3}	15.79	14.89	1849684	1039366	4013.684	6952.798	#
28)	L6 Aroclor-1254{4}	18.45	15.49	2380745	2654162	5874.141	5462.029	
29)	L6 Aroclor-1254{5}	19.78	17.79	4384804	2733990	5080.859	6016.202	
	Sum Aroclor-1254			11424772	8250988	25034.920	23617.519	
	Average Aroclor-1254					5006.984	4723.504	
30)	L7 Aroclor-1260{1}	0.00	15.98	0	1360014	N.D.	3990.346	#
31)	L7 Aroclor-1260{2}	18.45	16.69	2380745	1224009	3867.687	3010.755	
32)	L7 Aroclor-1260{3}	20.00	17.79	346245	2733990	758.831	5301.086	#
33)	L7 Aroclor-1260{4}	21.08	19.81	1211839	521022	2600.836	832.105	#
34)	L7 Aroclor-1260{5}	21.67	20.93	1026653	434689	796.396	920.283	
	Sum Aroclor-1260			4965481	6273724	8023.749	14054.574	
	Average Aroclor-1260					2005.937	2810.915	
						NP	NP	

QC 334

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0788.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0788.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:07 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	335875	212830	17.924	16.638
Spiked Amount 40.000 Range 43 - 150 Recovery =					44.81%	41.60%#
2) SA Decachlorobiphen	29.27	24.55	535171	324087	24.268	34.889 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					60.67%	87.22%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	527450	394354	3887.216m	1774.902 #
4) L6 Aroclor-1254{2}	15.47	13.47	2259403	1435888	5890.276	3426.055 #
5) L6 Aroclor-1254{3}	15.79	14.89	1831401	1038784	3479.347	6928.423 #
6) L6 Aroclor-1254{4}	18.45	15.49	2363784	2652472	5512.815	5333.318
7) L6 Aroclor-1254{5}	19.78	17.79	4370337	2731232	5032.435	5699.928
Sum Aroclor-1254			11352376	8252729	23802.089	23162.626
Average Aroclor-1254					4760.418	4632.525

334A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0788A.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0788A.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	335875	212830	36.105	35.221
Spiked Amount 40.000	Range 43 - 150		Recovery =		90.26%	88.05%
2) SA Decachlorobiphen	29.27	24.55	535171	324087	35.437	39.011
Spiked Amount 40.000	Range 24 - 154		Recovery =		88.59%	97.53%
Target Compounds						

334B

TC-5/28/98

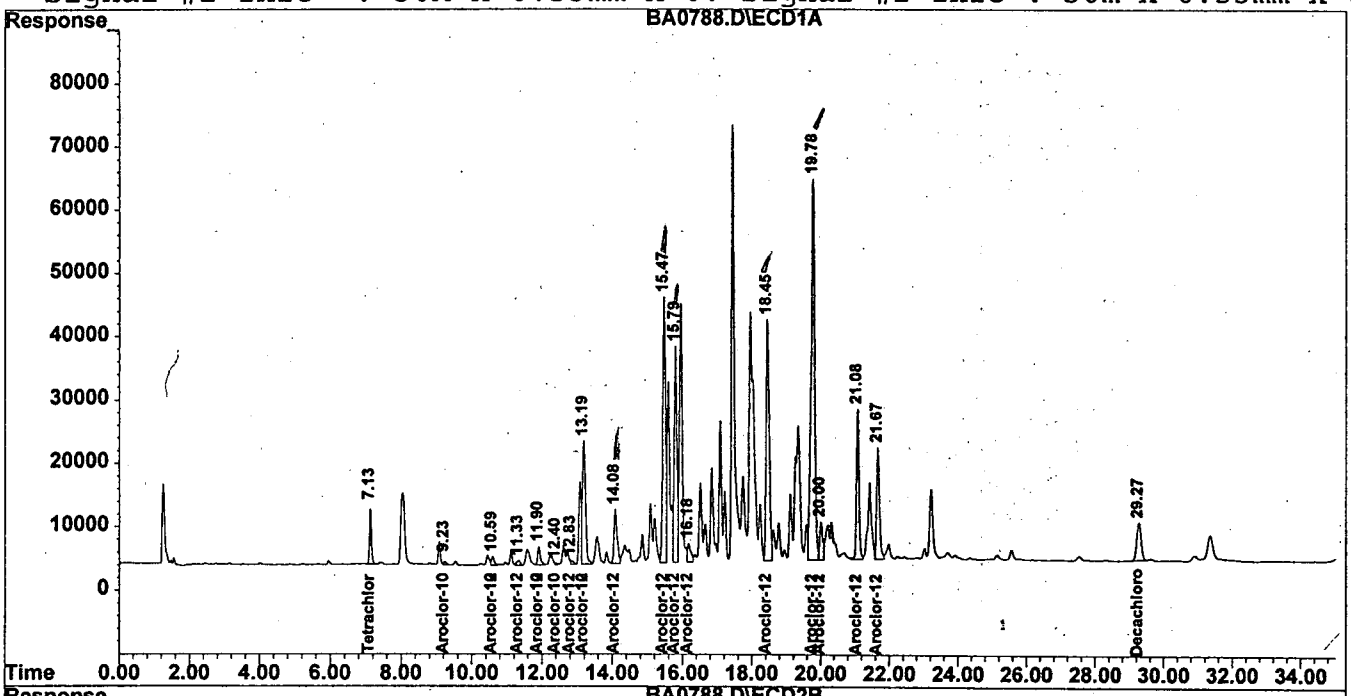
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

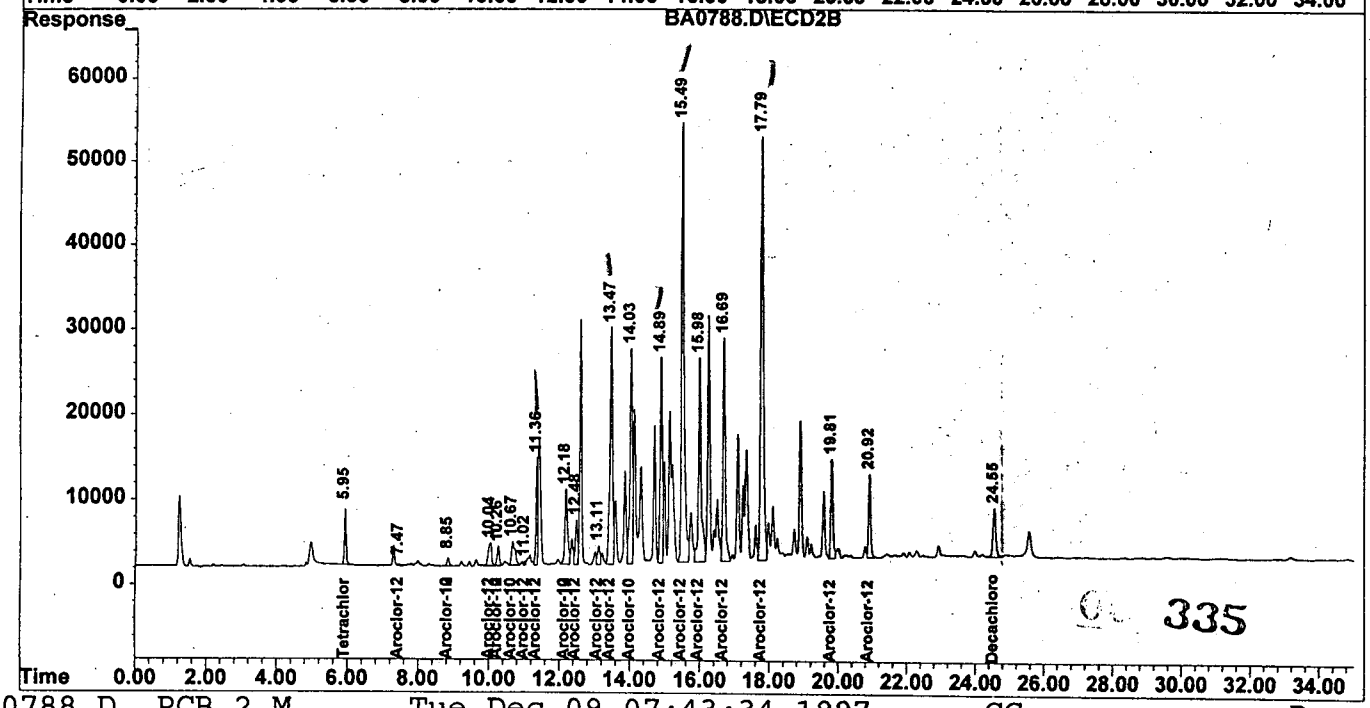
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0788.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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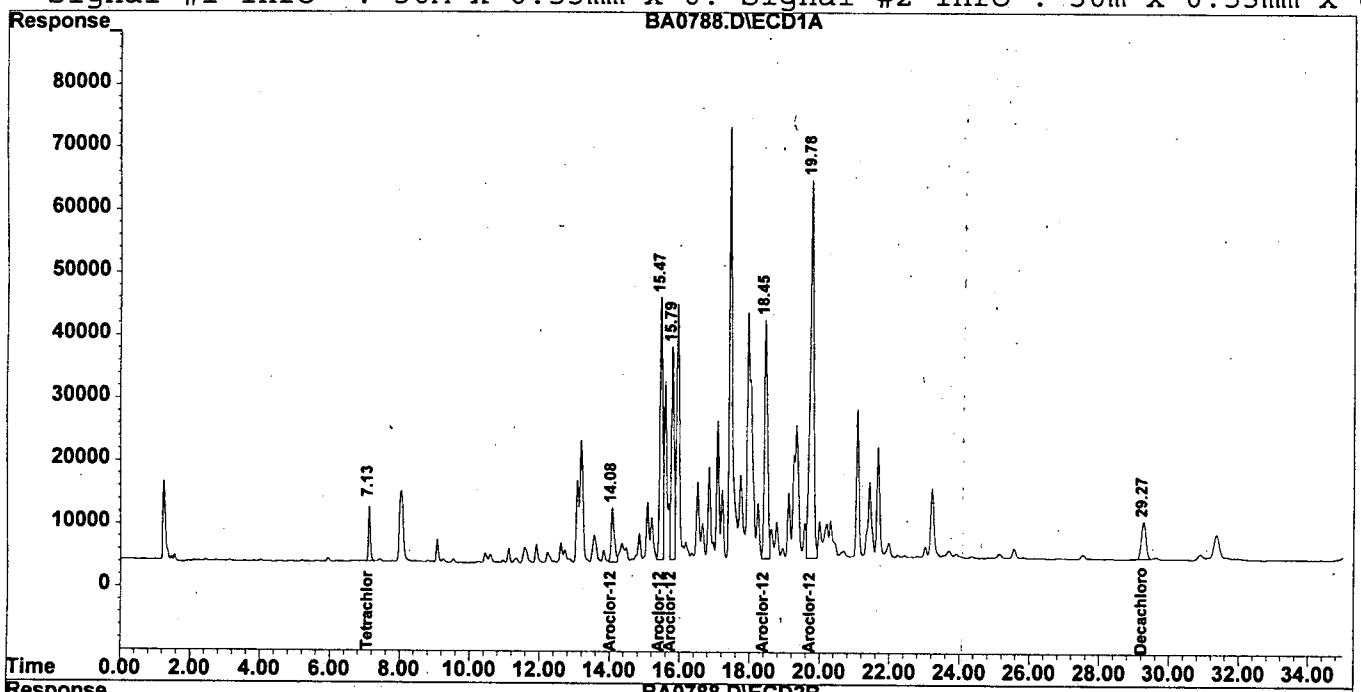
Quantitation Report

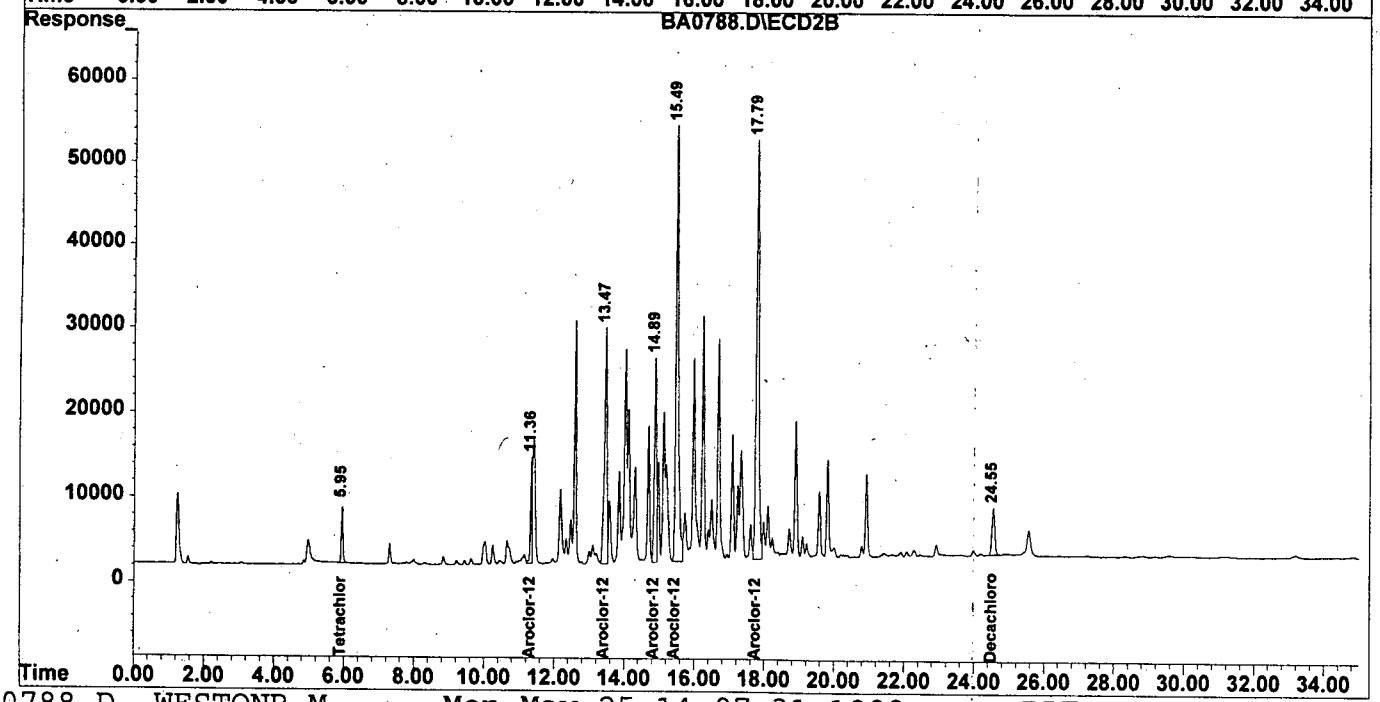
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0788.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0788.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:07 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





335A

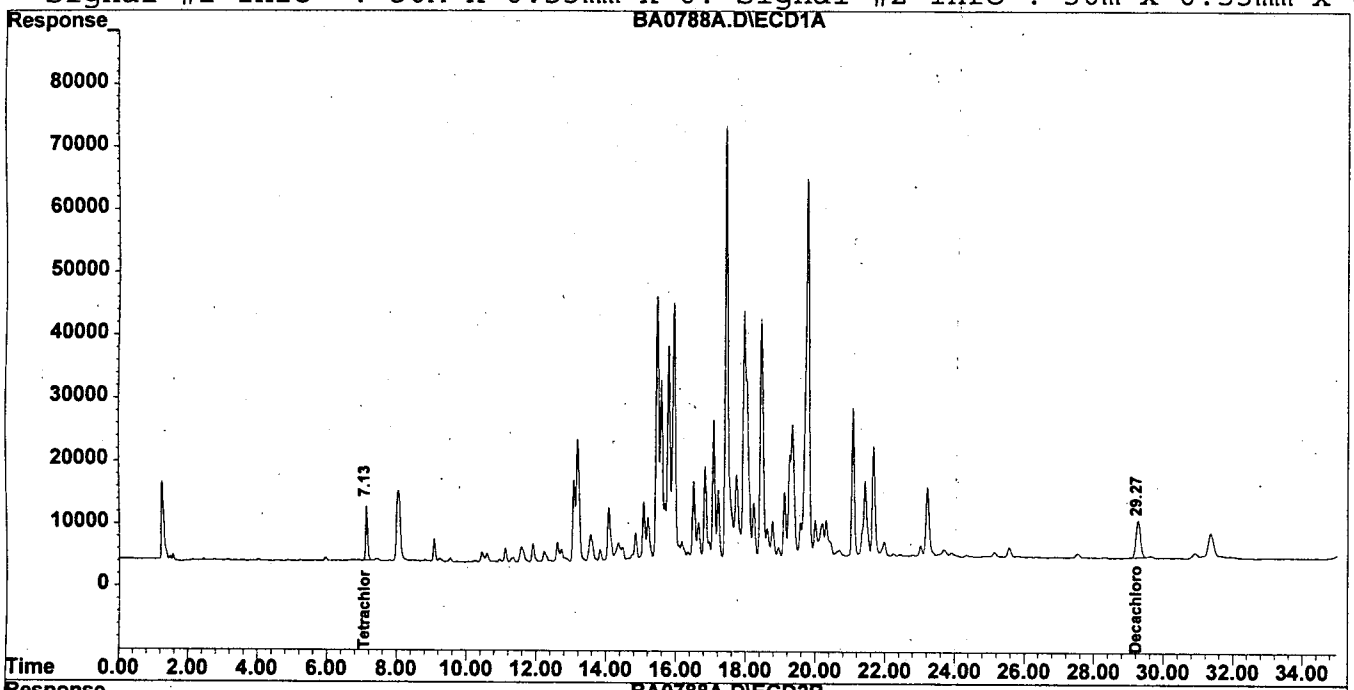
Quantitation Report

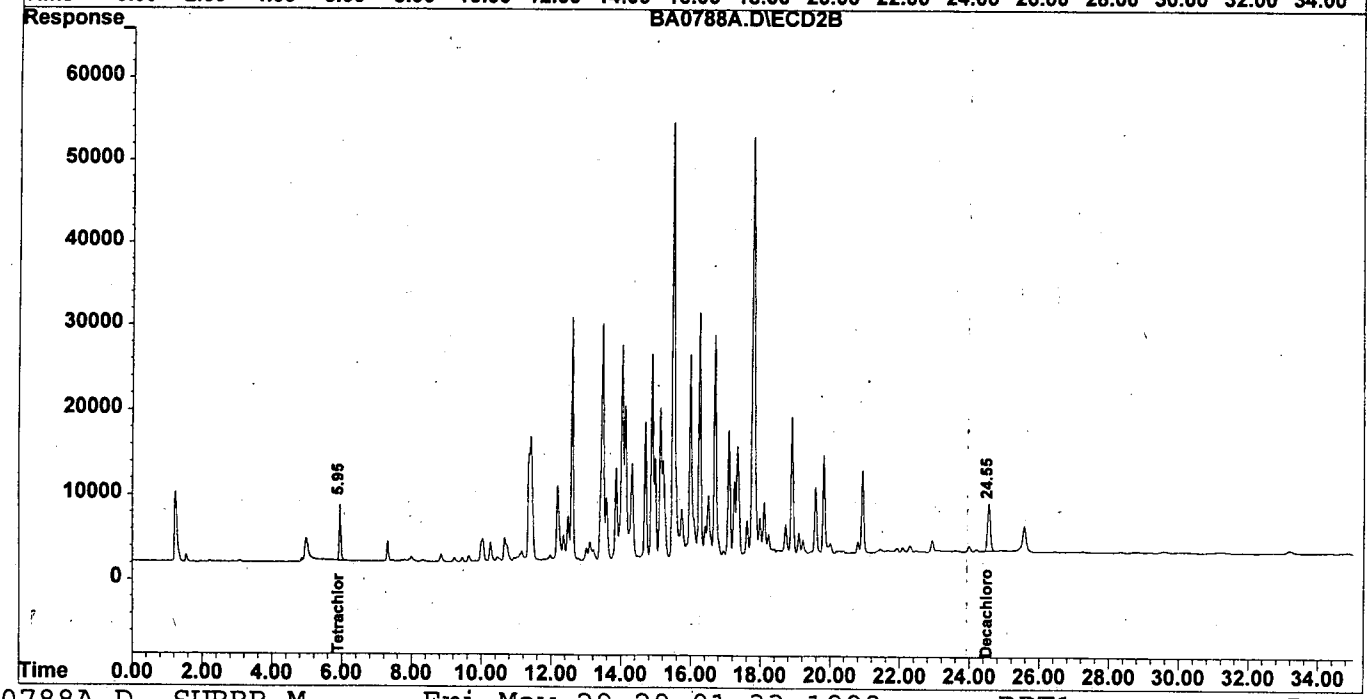
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0788A.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0788A.D\ECD2B.CH
Acq On : 9 Dec 97 3:46 Operator:
Sample : 278163 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278164
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	49.7%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	330	160
Aroclor-1221	U	U	660	460
Aroclor-1232	U	U	330	260
Aroclor-1242	U	U	330	160
Aroclor-1248	U J	U	330	200
Aroclor-1254	~~4700~~ 5300	U	330	230
Aroclor-1260	U	U	330	260

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD1A.CH Vial: 36
Signal #2 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

See p.338B

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	40555	28772	4.477	4.442
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.19%#	11.11%#
2) SA Decachlorobiphen	29.13	24.46	72573	44184	4.823	4.954
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.06%#	12.39%#
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.85	0	6504	N.D.	22.349 #
4) L1 Aroclor-1016{2}	0.00	10.26	0	22986	N.D.	40.605 #
5) L1 Aroclor-1016{3}	11.90	10.67	23470	21870	28.534	81.623 #
6) L1 Aroclor-1016{4}	0.00	12.18	0	107483	N.D.	418.972 #
7) L1 Aroclor-1016{5}	13.19	14.02	267805	337847	820.155	2290.799 #
Sum Aroclor-1016			291275	496689	848.689	2854.347
Average Aroclor-1016					424.344	570.869
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	0.00	8.85	0	6504	N.D.	44.941 #
12) L3 Aroclor-1232{2}	0.00	10.05	0	60936	N.D.	1458.666 #
13) L3 Aroclor-1232{3}	0.00	11.36	0	117136	N.D.	1406.181 #
14) L3 Aroclor-1232{4}	11.90	13.10	23470	23194	66.860	409.961 #
Sum Aroclor-1232			23470	207770	66.860	3319.749
Average Aroclor-1232					66.860	829.937
					NP	NP
15) L4 Aroclor-1242{1}	0.00	8.85	0	6504	N.D.	26.027 #
16) L4 Aroclor-1242{2}	0.00	10.05	0	60936	N.D.	793.930 #
17) L4 Aroclor-1242{3}	11.33	0.00	18532	0	167.155	N.D. #
18) L4 Aroclor-1242{4}	0.00	12.18	0	107483	N.D.	464.467 #
19) L4 Aroclor-1242{5}	14.07	14.31	92622	177669	254.884	1987.899 #
Sum Aroclor-1242			111154	352592	422.039	3272.323
Average Aroclor-1242					211.020	818.081
					NP	NP
20) L5 Aroclor-1248{1}	0.00	10.26	0	22986	N.D.	55.186 #
21) L5 Aroclor-1248{2}	11.90	12.18	23470	107483	41.951	317.170 #
22) L5 Aroclor-1248{3}	13.19	12.47	267805	62480	647.939	197.385 #

00 337

RB 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD1A.CH Vial: 36
Signal #2 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{4}	14.07	13.46	92622	455719	186.612	1693.625	#
24) L5	Aroclor-1248{5}	0.00	15.47	0	890004	N.D.	7066.202	#
Sum	Aroclor-1248			383898	1538671	876.501	9329.569	
Average	Aroclor-1248					292.167	1865.914	
						ND	ND	
25) L6	Aroclor-1254{1}	14.07	11.36	92622	117136	682.382	531.308	
26) L6	Aroclor-1254{2}	15.44	13.46	966485	455719	2621.472	1088.220	#
27) L6	Aroclor-1254{3}	15.78	14.88	533351	446213	1157.334	2984.925	#
28) L6	Aroclor-1254{4}	18.42	15.47	680846	890004	1679.889	1831.548	
29) L6	Aroclor-1254{5}	19.74	17.76	1177313	779931	1364.202	1716.255	#
Sum	Aroclor-1254			3450617	2689003	7505.279	8152.257	
Average	Aroclor-1254					1501.056	1630.451	
30) L7	Aroclor-1260{1}	18.00	15.97	541405	429005	1040.279	1258.720	
31) L7	Aroclor-1260{2}	18.42	16.67	680846	372046	1106.082	915.141	
32) L7	Aroclor-1260{3}	19.96	17.76	103084	779931	225.920	1512.253	#
33) L7	Aroclor-1260{4}	21.04	19.77	307818	143096	660.636	228.533	#
34) L7	Aroclor-1260{5}	21.62	20.88	271357	110404	210.498	233.736	
Sum	Aroclor-1260			1904511	1834482	3243.415	4148.383	
Average	Aroclor-1260					648.683	829.677	
						ND	ND	

QC 338

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0837.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0837.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:11 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	40520	28704	2.162	2.244
Spiked Amount 40.000 Range 43 - 150 Recovery =					5.41%#	5.61%#
2) SA Decachlorobiphen	29.13	24.46	72537	43912	3.289	4.727 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.22%#	11.82%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.36	84250	115823	620.908m	521.296
4) L6 Aroclor-1254{2}	15.44	13.46	965125	449048	2516.085	1071.436 #
5) L6 Aroclor-1254{3}	15.78	14.88	532682	445128	1012.004	2968.887 #
6) L6 Aroclor-1254{4}	18.42	15.47	680833	884453	1587.837	1778.368
7) L6 Aroclor-1254{5}	19.74	17.76	1177306	764691	1355.666	1595.868
Sum Aroclor-1254			3440195	2659143	7092.500	7935.855
Average Aroclor-1254					1418.500	1587.171

338A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0837A.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0837A.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	40520	28704	4.356	4.750
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.89%#	11.88%#
2) SA Decachlorobiphen	29.13	24.46	72537	43912	4.803	5.286
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.01%#	13.22%#
Target Compounds						

338B 7/31/98

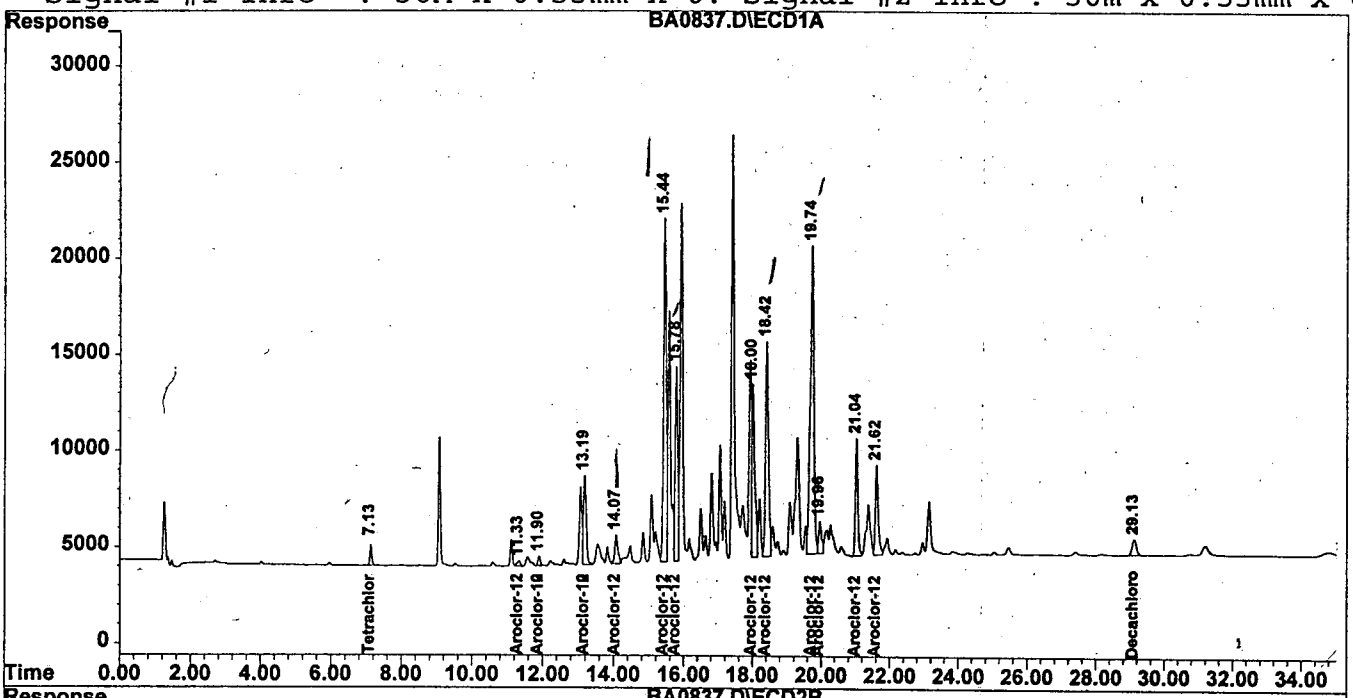
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

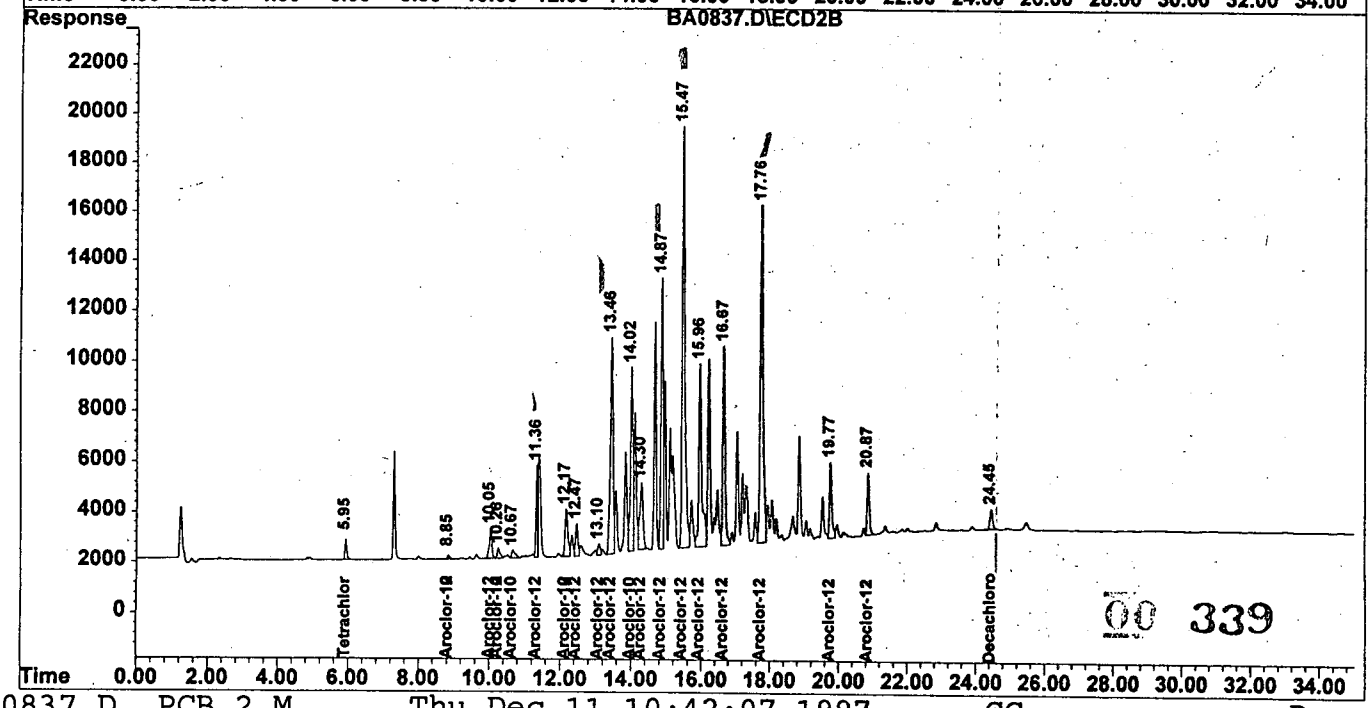
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD1A.CH Vial: 36
Signal #2 : C:\HPCHEM\1\DATA_B\BA0837.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





00 339

Quantitation Report

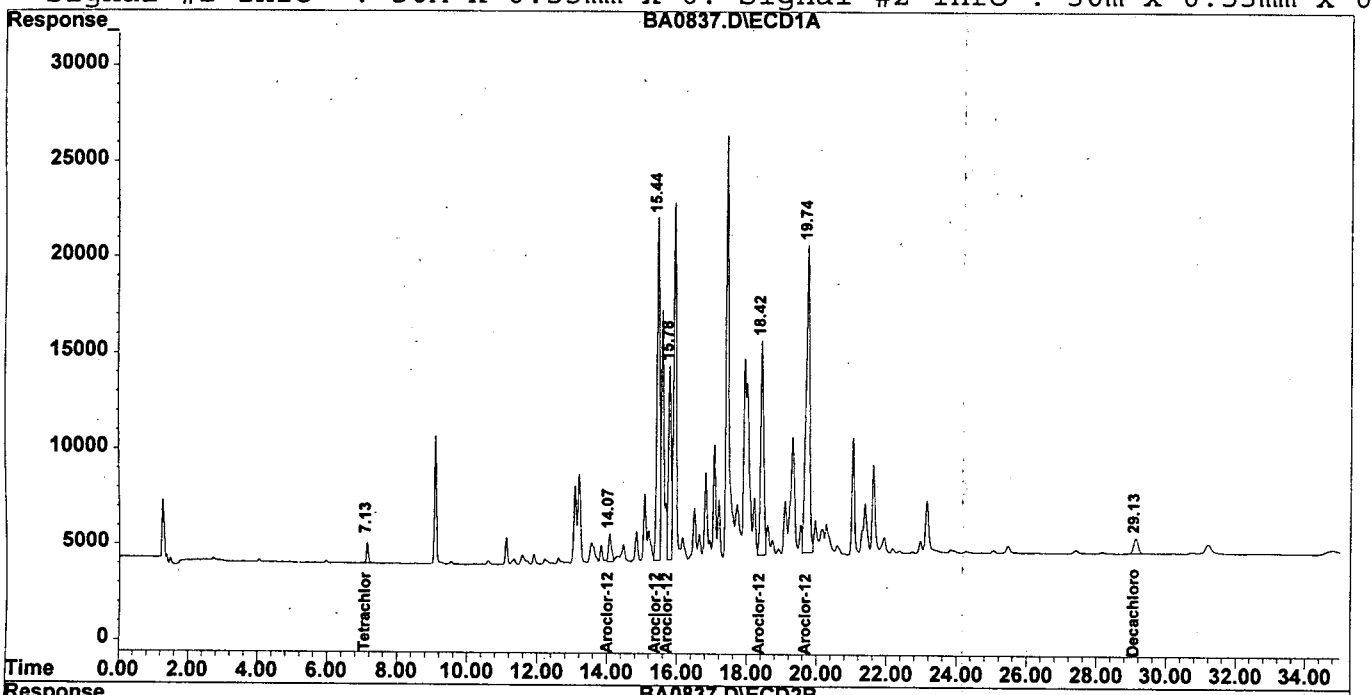
AMENDED REPORT MAY 2 8 1998

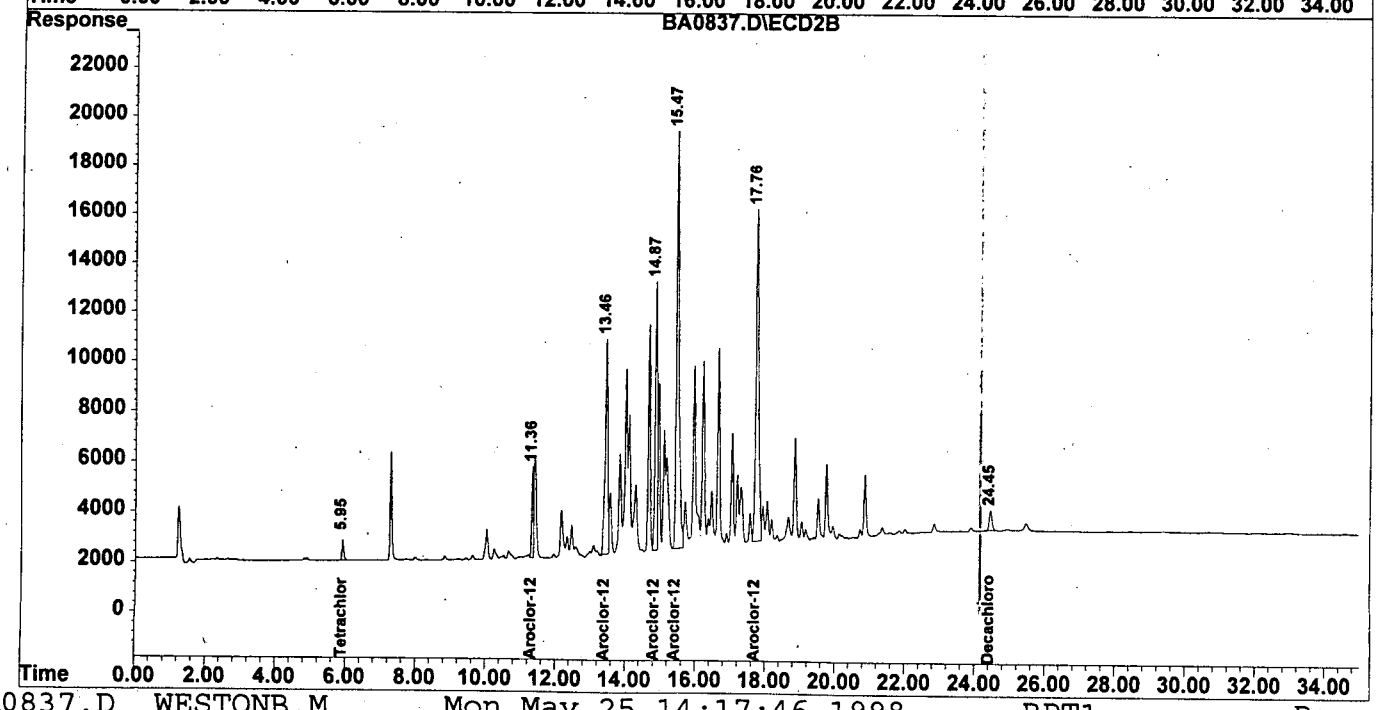
Signal #1 : E:\WESTDA~1\BA0837.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0837.D\ECD2B.CH
Acq On : 10 Dec 97 18:34
Sample : 278164 1:5
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:11 1998 Quant Results File: WESTONB.RES

Vial: 36
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





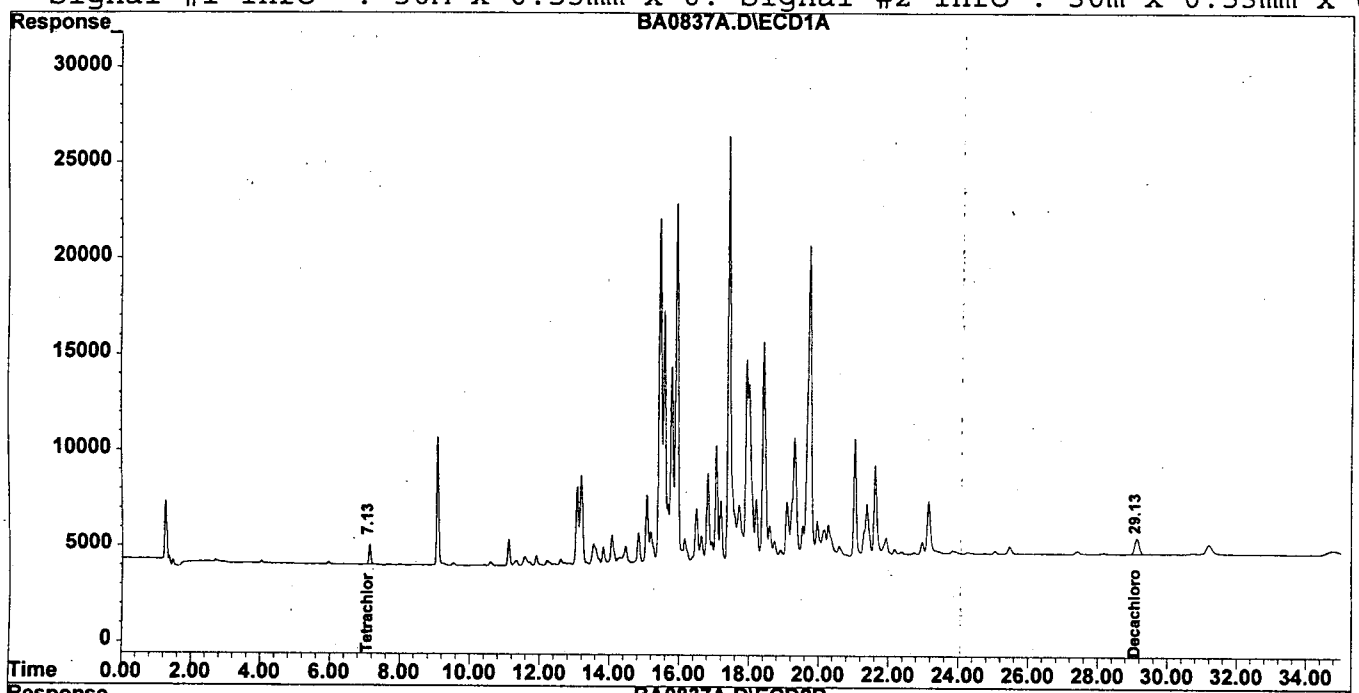
339A

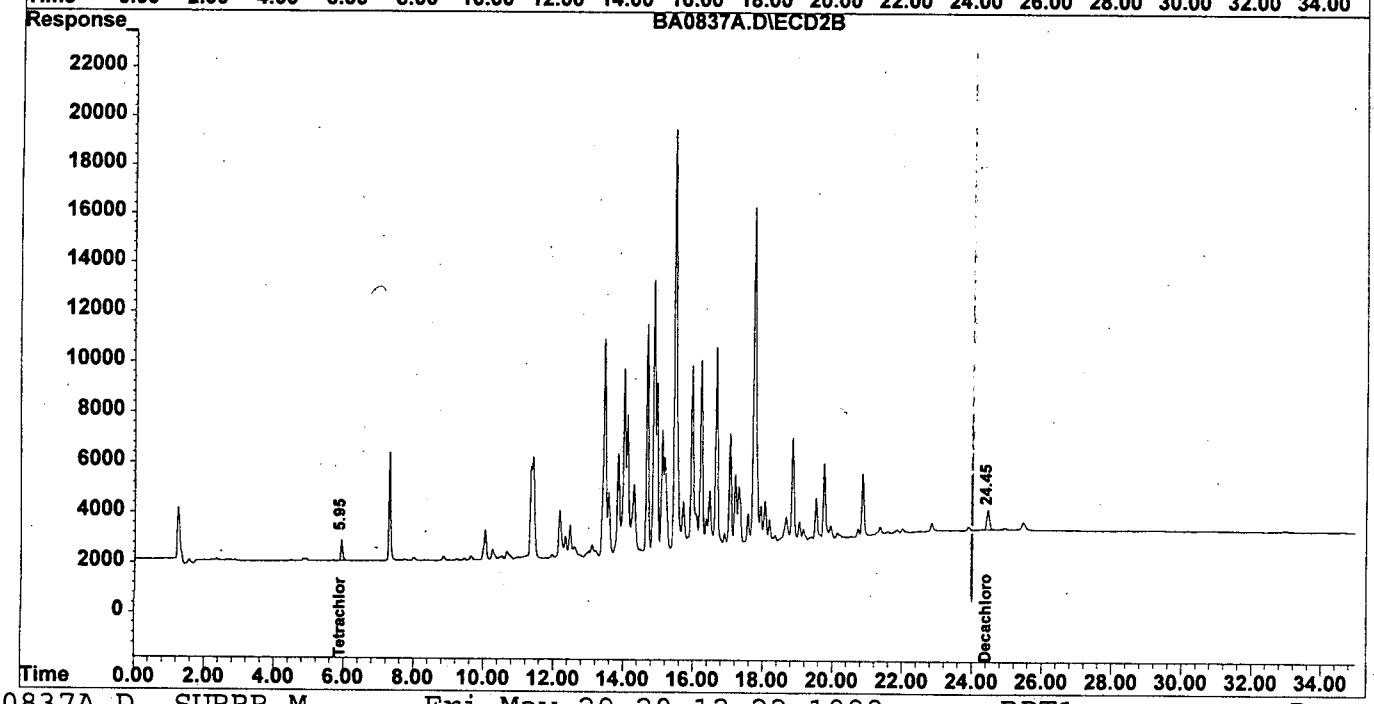
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0837A.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0837A.D\ECD2B.CH
Acq On : 10 Dec 97 18:34 Operator:
Sample : 278164 1:5 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278165
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	200ml
Dilution Factor:	20	Sample Moisture:	43.31%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	1200	590
Aroclor-1221	U	U	2400	1600
Aroclor-1232	U	U	1200	940
Aroclor-1242	U	U	1200	590
Aroclor-1248	U J	U	1200	700
Aroclor-1254	~~26000~~ 28000	U	1200	820
Aroclor-1260	U	U	1200	940

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:22 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	19961	14471	2.203	2.234
Spiked Amount 40.000 Range 43 - 150 Recovery =					5.51%#	5.59%#
2) SA Decachlorobiphen	29.12	24.46	37548	21945	2.495m	2.461
Spiked Amount 40.000 Range 24 - 154 Recovery =					6.24%#	6.15%#
Target Compounds						
6) L1 Aroclor-1016{4}	0.00	12.17	0	132856	N.D.	517.879 #
7) L1 Aroclor-1016{5}	13.18	14.02	205179	775757	628.362	5260.089 #
Sum Aroclor-1016			205179	908614	628.362	5777.968
Average Aroclor-1016					628.362	2888.984
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
13) L3 Aroclor-1232{3}	0.00	11.35	0	388707	N.D.	4666.297 #
14) L3 Aroclor-1232{4}	0.00	13.09	0	18835	N.D.	332.914 #
Sum Aroclor-1232			0	407542	N.D.	4999.212
Average Aroclor-1232					0.000	2499.606
						NP
17) L4 Aroclor-1242{3}	11.34	0.00	18921	0	170.667	N.D. #
18) L4 Aroclor-1242{4}	0.00	12.17	0	132856	N.D.	574.114 #
19) L4 Aroclor-1242{5}	14.07	14.30	166579	245349	458.403	2745.155 #
Sum Aroclor-1242			185500	378205	629.070	3319.270
Average Aroclor-1242					314.535	1659.635
					NP	NP
21) L5 Aroclor-1248{2}	0.00	12.17	0	132856	N.D.	392.045 #
22) L5 Aroclor-1248{3}	13.18	12.48	205179	47636	496.419	150.489 #
23) L5 Aroclor-1248{4}	14.07	13.46	166579	758227	335.617	2817.860 #
24) L5 Aroclor-1248{5}	0.00	15.47	0	1317437	N.D.	10459.818 #
Sum Aroclor-1248			371758	2256156	832.036	13820.212
Average Aroclor-1248					416.018	3455.053
					NP	NP
25) L6 Aroclor-1254{1}	14.07	11.35	166579	388707	1227.247	1763.104 #
26) L6 Aroclor-1254{2}	15.46	13.46	742174	758227	2013.056	1810.586
27) L6 Aroclor-1254{3}	15.77	14.86	1242751	397110	2696.682	2656.451

See p.342B

See p.342A

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:22 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
28) L6	Aroclor-1254{4}	18.41	15.47	1226842	1317437	3027.053	2711.168
29) L6	Aroclor-1254{5}	19.74	17.76	2450986	1454061	2840.062	3199.692
Sum	Aroclor-1254			5829331	4315542	11804.099	12141.000
Average	Aroclor-1254					2360.820	2428.200
30) L7	Aroclor-1260{1}	0.00	15.96	0	763570	N.D.	2240.349 #
31) L7	Aroclor-1260{2}	18.41	16.67	1226842	753002	1993.090	1852.196
32) L7	Aroclor-1260{3}	19.96	17.76	205330	1454061	450.002	2819.361 #
33) L7	Aroclor-1260{4}	21.04	19.77	684263	252464	1468.559	403.201 #
34) L7	Aroclor-1260{5}	21.62	20.88	484185	188747	375.592	399.599
Sum	Aroclor-1260			2600620	3411845	4287.243	7714.706
Average	Aroclor-1260					1071.811	1542.941

see p.342A

NP NP

00 342

7 12/16/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0838.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDA~1\BA0838.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:11 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	19729	13942	1.053	1.090
Spiked Amount 40.000 Range 43 - 150 Recovery =					2.63%#	2.73%#
2) SA Decachlorobiphen	29.12	24.45	37030	24534	1.679m	2.641m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					4.20%#	6.60%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.35	164820	386109	1214.695m	1737.793 #
4) L6 Aroclor-1254{2}	15.46	13.46	742174	754707	1934.851	1800.745
5) L6 Aroclor-1254{3}	15.77	14.86	1242751	393211	2361.013	2622.619
6) L6 Aroclor-1254{4}	18.41	15.47	1226842	1310236	2861.239	2634.488
7) L6 Aroclor-1254{5}	19.74	17.76	2450986	1429197	2822.306	2982.654
Sum Aroclor-1254			5827572	4273461	11194.103	11778.300
Average Aroclor-1254					2238.821	2355.660

342A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0838A.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDA~1\BA0838A.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	19729	13942	2.121	2.307
Spiked Amount 40.000 Range 43 - 150 Recovery =					5.30%#	5.77%#
2) SA Decachlorobiphen	29.12	24.45	36319	24147	2.405m	2.907m
Spiked Amount 40.000 Range 24 - 154 Recovery =					6.01%#	7.27%#
Target Compounds						

3 4 2D

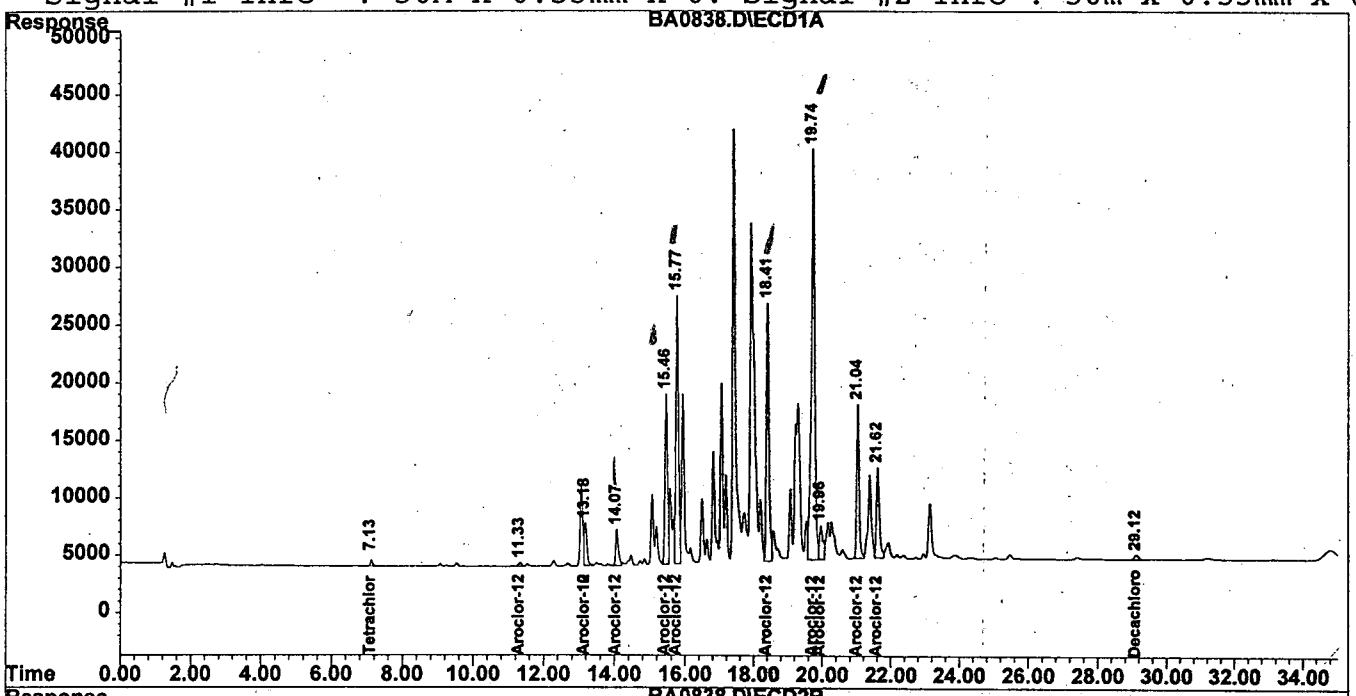
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

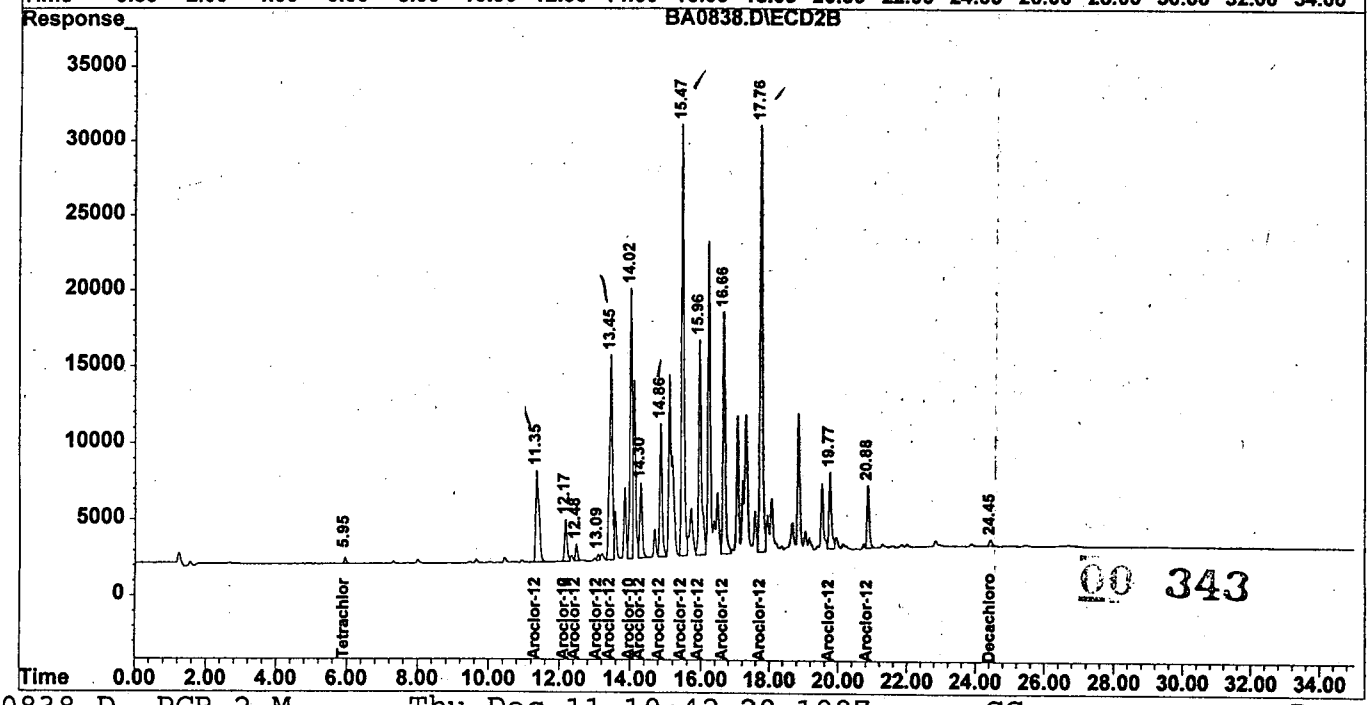
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_B\BA0838.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:22 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





00 343

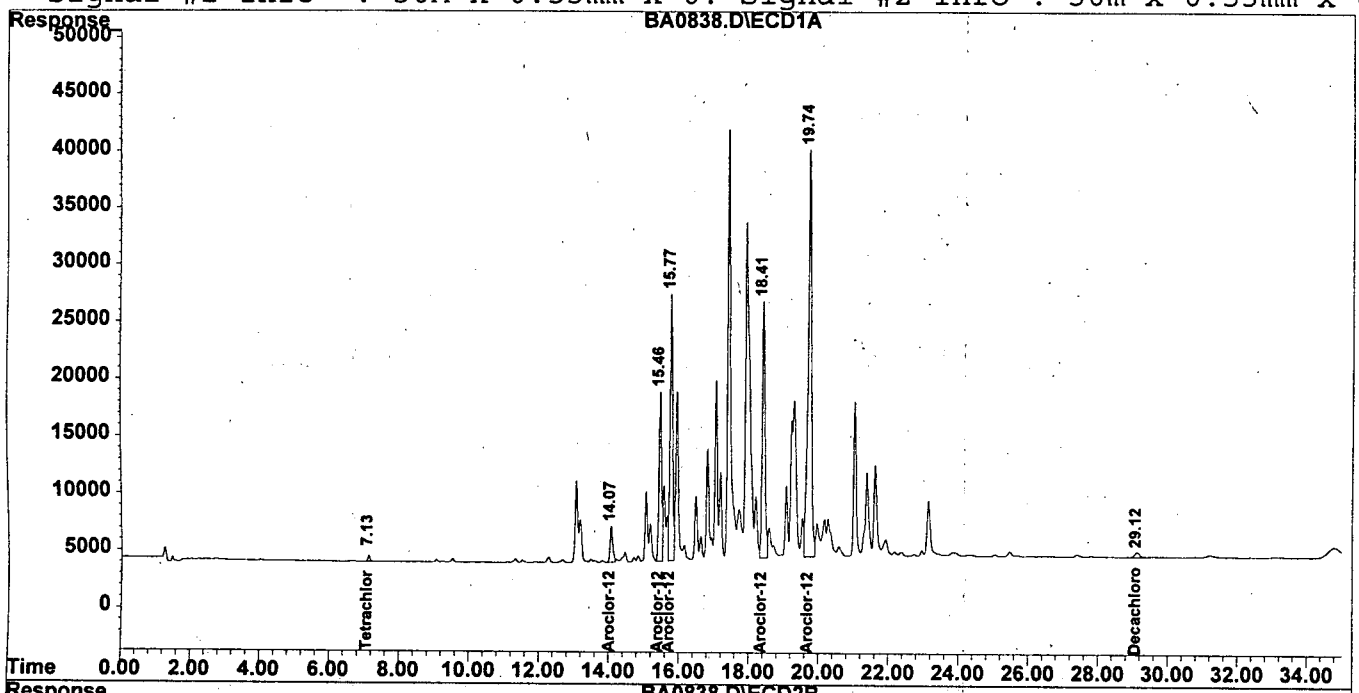
Quantitation Report

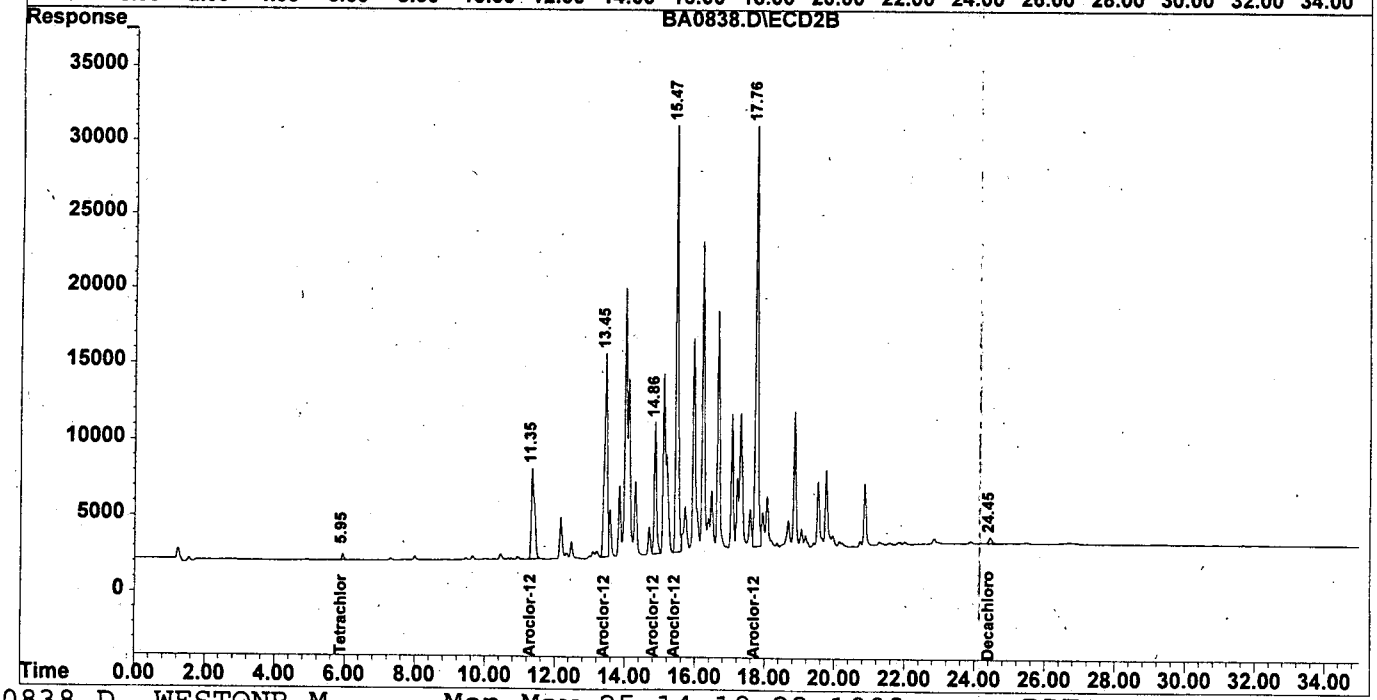
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0838.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDA~1\BA0838.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:11 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





3 4 3A

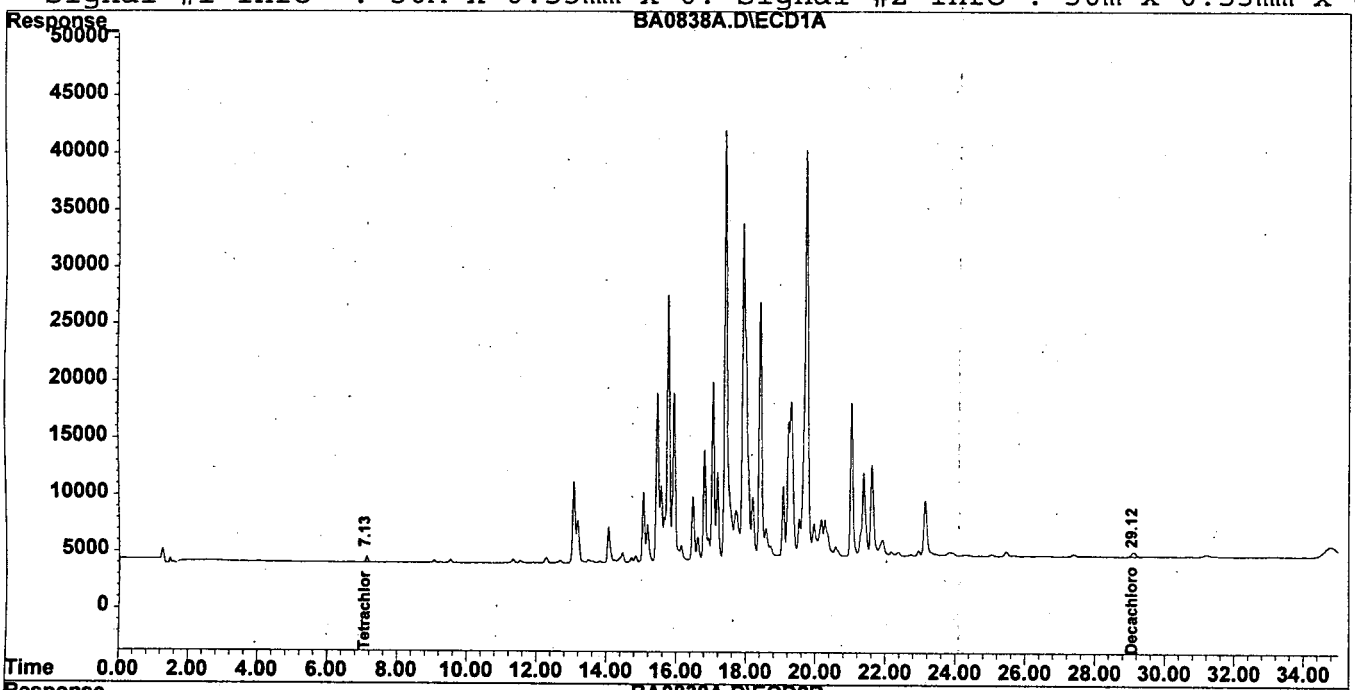
Quantitation Report

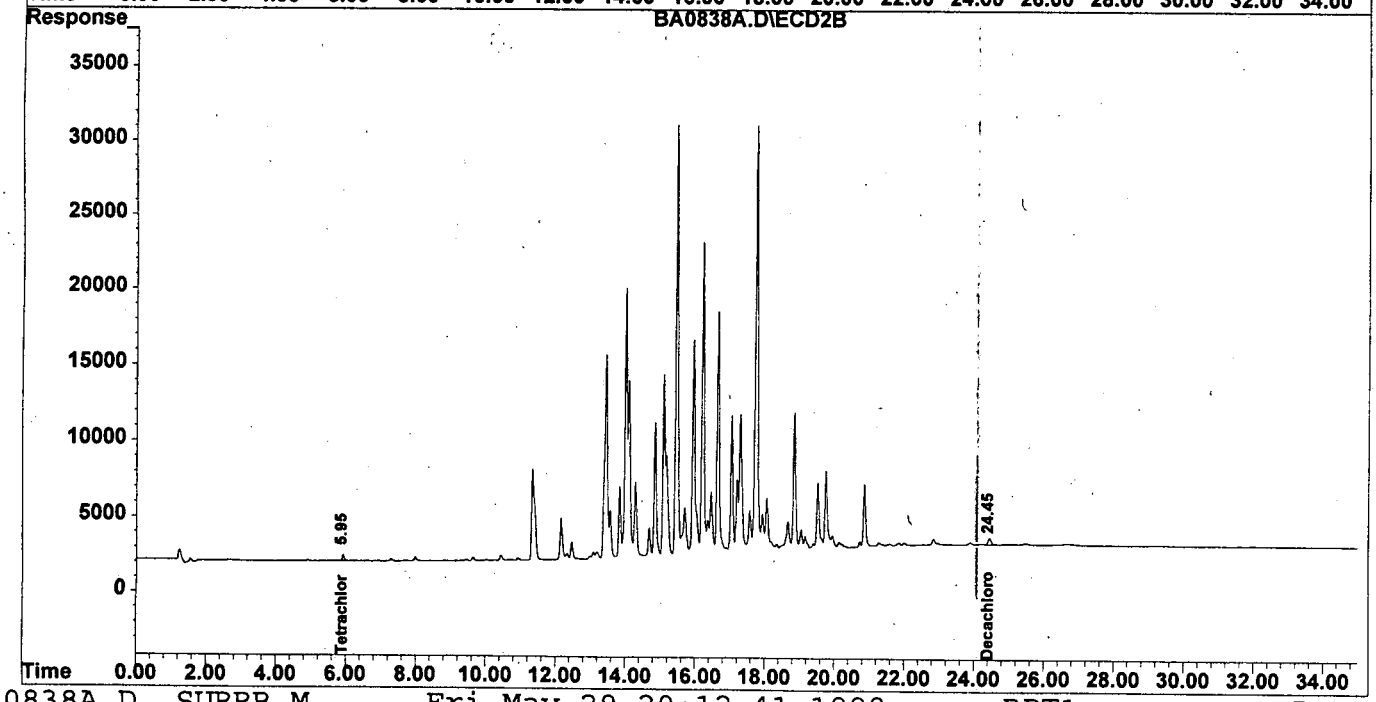
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0838A.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDA~1\BA0838A.D\ECD2B.CH
Acq On : 10 Dec 97 19:12 Operator:
Sample : 278165 1:20 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278166
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	30.33%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	48	24
Aroclor-1221	U	U	96	67
Aroclor-1232	U	U	48	38
Aroclor-1242	U	U	48	24
Aroclor-1248	U J	U	48	29
Aroclor-1254	150	U	48	33
Aroclor-1260	U	U	48	38

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD1A.CH Vial: 38
Signal #2 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	396759	243163	43.797	37.542	
Spiked Amount 40.000 Range 43 - 150 Recovery =					109.49%	93.86%	
2) SA Decachlorobiphen	29.13	24.45	630061	378131	41.868	42.401	
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.67%	106.00%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	8.85	197463	21941	927.657	75.395	#
4) L1 Aroclor-1016{2}	0.00	10.25	0	10719	N.D.	18.936	#
5) L1 Aroclor-1016{3}	11.94	0.00	115616	0	140.561	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.18	0	50886	N.D.	198.357	#
7) L1 Aroclor-1016{5}	13.17	14.02	40252	60701	123.272	411.586	#
Sum Aroclor-1016			353331	144248	1191.489	704.274	
Average Aroclor-1016					397.163	176.068	
8) L2 Aroclor-1221{1}	6.00	0.00	35935	0	408.370	N.D.	#
9) L2 Aroclor-1221{2}	0.00	7.48	0	20570	N.D.	291.697	#
Sum Aroclor-1221			35935	20570	408.370	291.697	
Average Aroclor-1221					408.370	291.697	
11) L3 Aroclor-1232{1}	0.00	8.85	0	21941	N.D.	151.613	#
12) L3 Aroclor-1232{2}	0.00	9.97	0	32359	N.D.	774.593	#
13) L3 Aroclor-1232{3}	0.00	11.36	0	21556	N.D.	258.777	#
14) L3 Aroclor-1232{4}	11.94	13.11	115616	60149	329.359	1063.166	#
Sum Aroclor-1232			115616	136005	329.359	2248.149	
Average Aroclor-1232					329.359	562.037	
16) L4 Aroclor-1242{1}	0.00	8.85	0	21941	N.D.	87.805	#
17) L4 Aroclor-1242{2}	0.00	9.97	0	32359	N.D.	421.599	#
18) L4 Aroclor-1242{4}	0.00	12.18	0	50886	N.D.	219.896	#
19) L4 Aroclor-1242{5}	14.07	14.30	19943	42087	54.881	470.907	#
Sum Aroclor-1242			19943	147274	54.881	1200.207	
Average Aroclor-1242					54.881	300.052	
21) L5 Aroclor-1248{1}	0.00	10.17	0	8562	N.D.	20.555	#
22) L5 Aroclor-1248{2}	11.94	12.18	115616	50886	206.652	150.160	#

See P.346B

CC 345

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD1A.CH Vial: 38
Signal #2 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{3}	13.17	12.48	40252	30685	97.387	96.937	
23)	L5 Aroclor-1248{4}	14.07	13.46	19943	77556	40.181	288.229	#
24)	L5 Aroclor-1248{5}	0.00	15.47	0	179140	N.D.	1422.286	#
	Sum Aroclor-1248			175811	346829	344.219	1978.168	
	Average Aroclor-1248					114.740	395.634	
						np	np	
25)	L6 Aroclor-1254{1}	14.07	11.36	19943	21556	146.929	97.776	#
26)	L6 Aroclor-1254{2}	15.46	13.46	61250	77556	166.134	185.199	
27)	L6 Aroclor-1254{3}	15.78	14.87	92871	51656	201.523	345.548	#
28)	L6 Aroclor-1254{4}	18.41	15.47	185760	179140	458.335	368.654	
29)	L6 Aroclor-1254{5}	19.67	17.76	779305	231156	903.014	508.664	#
	Sum Aroclor-1254			1139129	561065	1875.934	1505.841	
	Average Aroclor-1254					375.187	301.168	
30)	L7 Aroclor-1260{1}	18.00	15.96	134819	98203	259.047	288.132	
31)	L7 Aroclor-1260{2}	18.41	16.67	185760	144012	301.780	354.234	
32)	L7 Aroclor-1260{3}	19.96	17.76	59008	231156	129.322	448.202	#
33)	L7 Aroclor-1260{4}	21.03	19.77	92346	77201	198.192	123.295	#
34)	L7 Aroclor-1260{5}	21.62	20.88	133257	57917	103.370	122.617	
	Sum Aroclor-1260			605189	608490	991.710	1336.480	
	Average Aroclor-1260					198.342	267.296	
						np	np	

Cell 0.3460 A

interference

346

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0839.D\ECD1A.CH Vial: 38
Signal #2 : E:\WESTDA~1\BA0839.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:12 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	~~367034~~	240462	19.587	18.799	
Spiked Amount 40.000 Range ~~43 - 150~~ Recovery =					48.97%	47.00%	
2) SA Decachlorobiphen	29.13	24.45	~~629538~~	379542	28.547	40.859	#
Spiked Amount 40.000 Range ~~24 - 154~~ Recovery =					71.37%	102.15%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.07	11.36	31092	47446	229.143m	213.542	
4) L6 Aroclor-1254{2}	15.46	13.46	61229	77002	159.624	183.729	
5) L6 Aroclor-1254{3}	15.78	14.87	92902	51619	176.498	344.284	#
6) L6 Aroclor-1254{4}	18.41	15.47	185846	179103	433.430	360.122	
7) L6 Aroclor-1254{5}	19.67	17.76	~~772578~~	231122	~~889.622m~~	482.338	#
Sum Aroclor-1254			1143647	586291	~~1888.316~~	1584.015	
Average Aroclor-1254					~~377.663~~	316.803	

interference

249.67

%D=24

346A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0839A.D\ECD1A.CH Vial: 38
Signal #2 : E:\WESTDA~1\BA0839A.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	367034	240462	39.455	39.794
Spiked Amount 40.000	Range 43 - 150		Recovery =		98.64%	99.48%
2) SA Decachlorobiphen	29.13	24.45	629538	379542	41.686	45.686
Spiked Amount 40.000	Range 24 - 154		Recovery =		104.22%	114.22%

Target Compounds

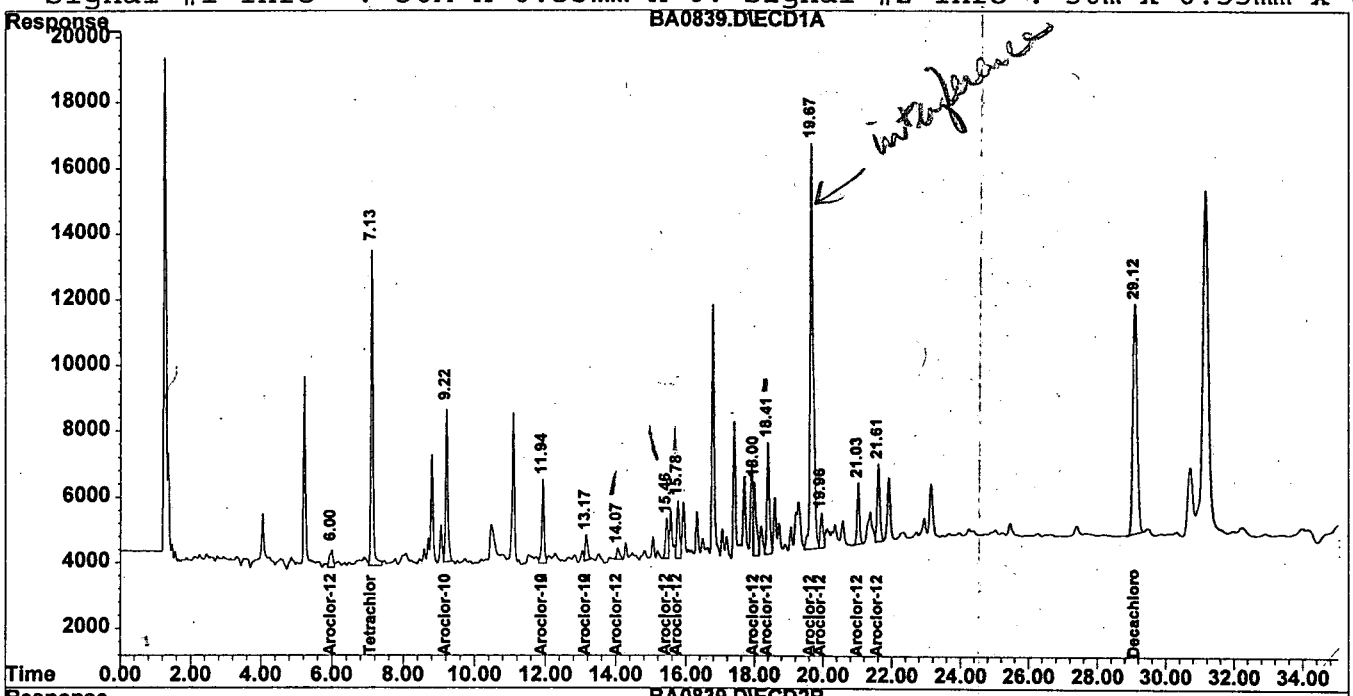
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

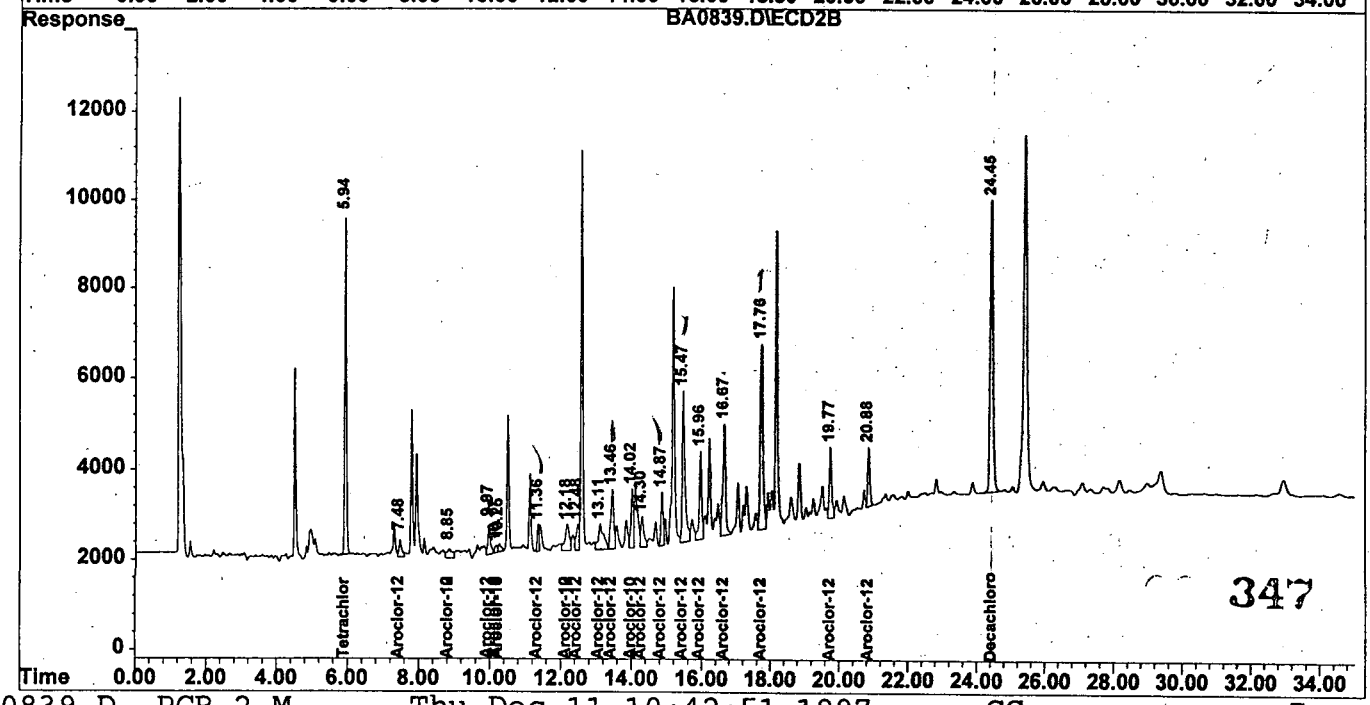
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD1A.CH Vial: 38
Signal #2 : C:\HPCHEM\1\DATA_B\BA0839.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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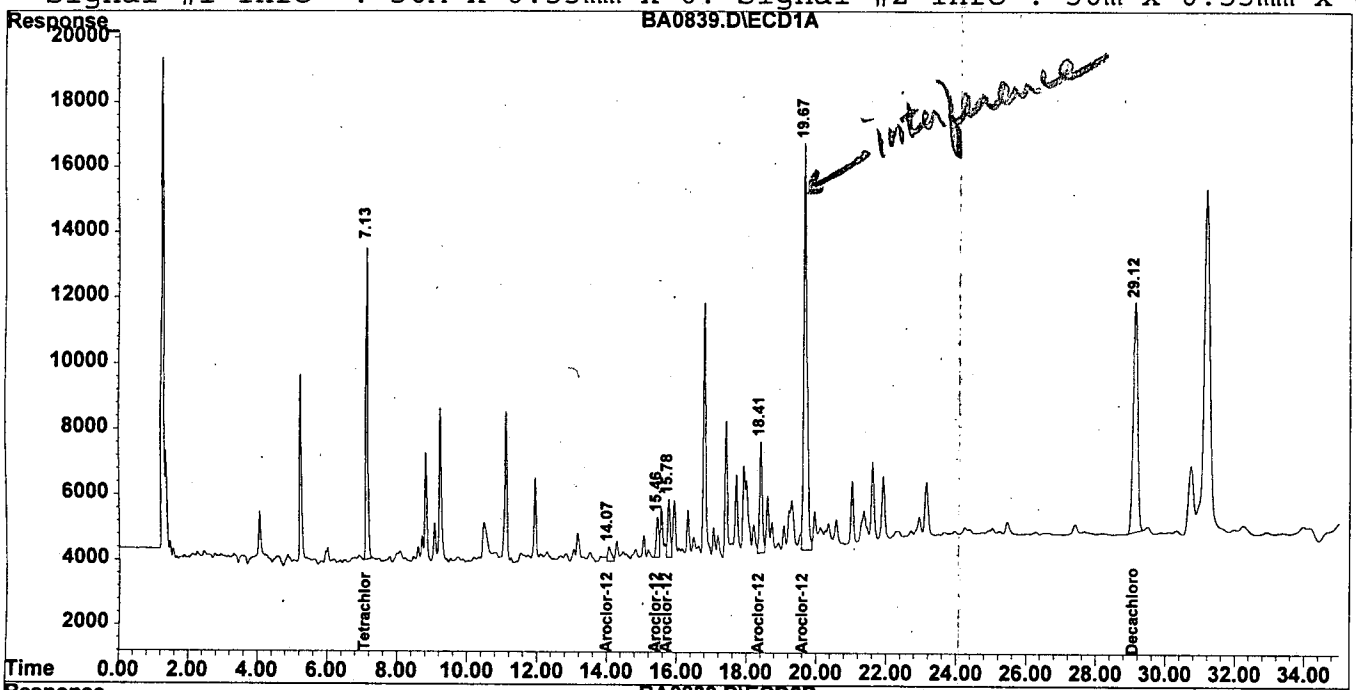
Quantitation Report

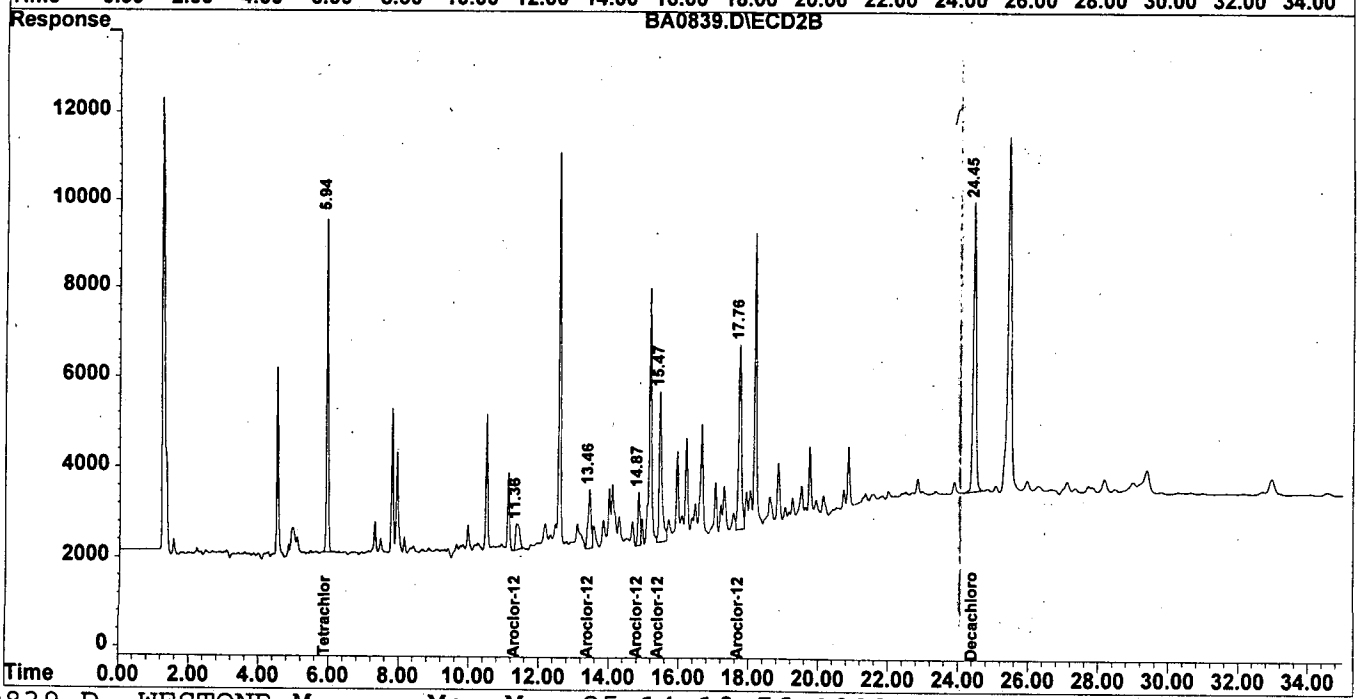
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0839.D\ECD1A.CH Vial: 38
Signal #2 : E:\WESTDA~1\BA0839.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:12 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





347A

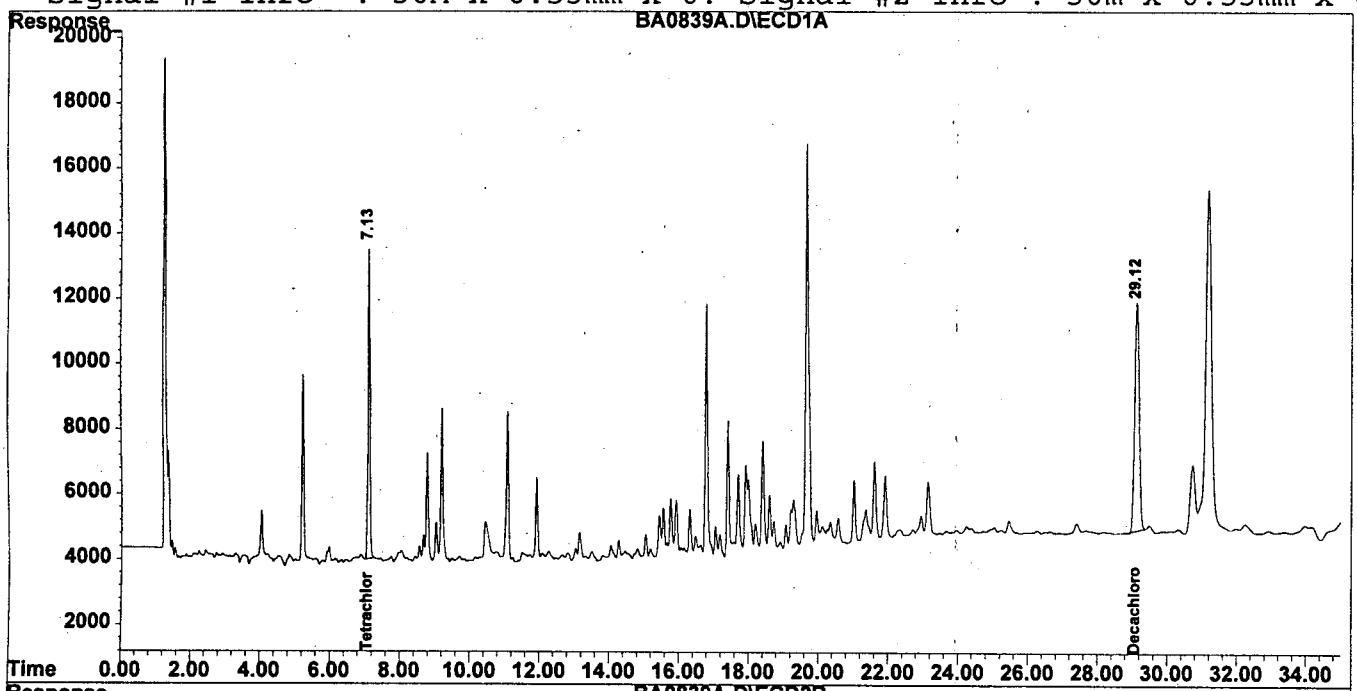
Quantitation Report

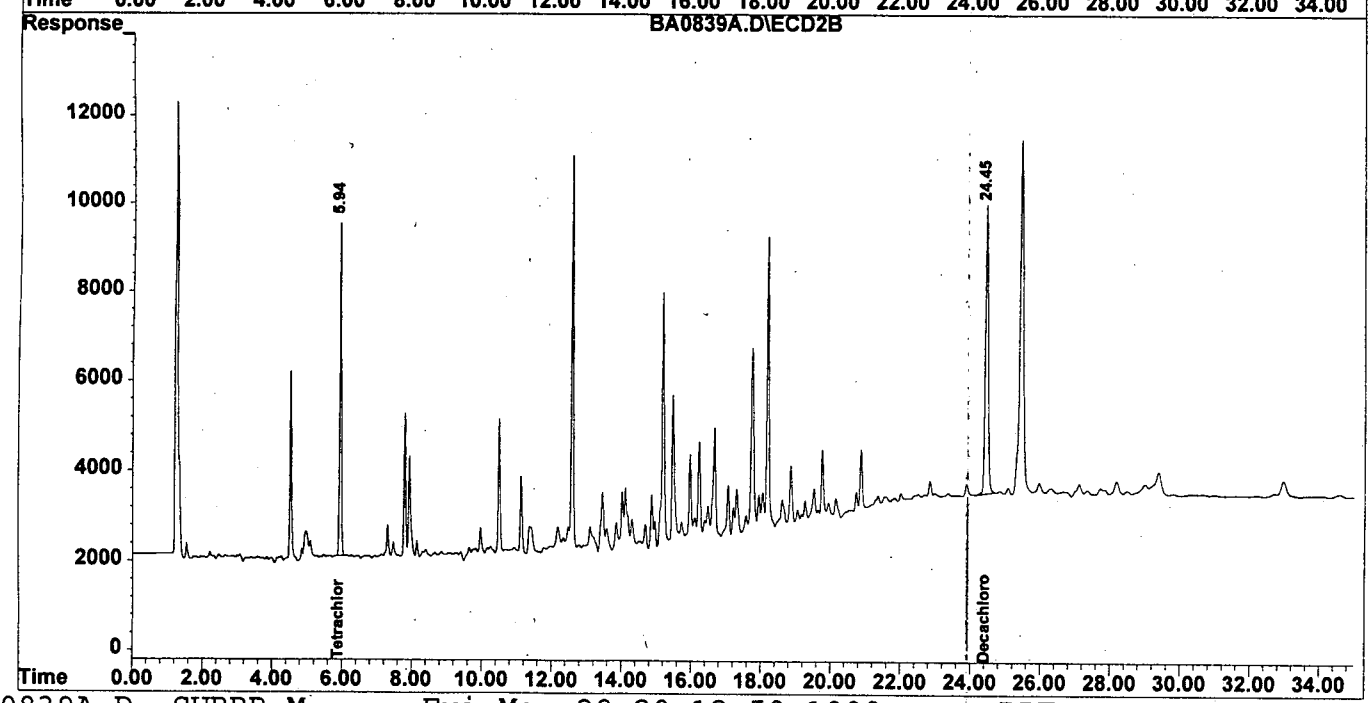
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0839A.D\ECD1A.CH Vial: 38
Signal #2 : E:\WESTDA~1\BA0839A.D\ECD2B.CH
Acq On : 10 Dec 97 19:51 Operator:
Sample : 278166 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278167
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	32.88%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	50	25
Aroclor-1221	U	U	99	70
Aroclor-1232	U	U	50	40
Aroclor-1242	U	U	50	25
Aroclor-1248	U J	U	50	30
Aroclor-1254	200	U	50	35
Aroclor-1260	U	U	50	40

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:27 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.14	5.95	268686	181896	29.659m	28.083
Spiked Amount 40.000 Range 43 - 150 Recovery =					74.15%	70.21%
) SA Decachlorobiphen	29.27	24.55	464750	335385	30.883	37.608
Spiked Amount 40.000 Range 24 - 154 Recovery =					77.21%	94.02%
Target Compounds						
) L1 Aroclor-1016{1}	9.24	8.86	240991	8919	1132.145	30.647 #
4) L1 Aroclor-1016{2}	0.00	10.26	0	6997	N.D.	12.361 #
5) L1 Aroclor-1016{3}	11.95	10.67	39638	5139	48.190	19.181 #
) L1 Aroclor-1016{4}	0.00	12.19	0	54086	N.D.	210.828 #
) L1 Aroclor-1016{5}	13.19	14.04	42860	81670	131.260	553.773 #
Sum Aroclor-1016			323489	156811	1311.595	826.790
Average Aroclor-1016					437.198	165.358
9) L2 Aroclor-1221{2}	0.00	7.48	0	8004	N.D.	113.505 #
Sum Aroclor-1221			0	8004	N.D.	113.505
Average Aroclor-1221					0.000	113.505
11) L3 Aroclor-1232{1}	0.00	8.86	0	8919	N.D.	61.628 #
1) L3 Aroclor-1232{3}	0.00	11.37	0	71821	N.D.	862.192 #
1) L3 Aroclor-1232{4}	11.95	13.12	39638	22598	112.918	399.432 #
Sum Aroclor-1232			39638	103338	112.918	1323.252
Average Aroclor-1232					112.918	441.084
15) L4 Aroclor-1242{1}	0.00	8.86	0	8919	N.D.	35.692 #
18) L4 Aroclor-1242{4}	0.00	12.19	0	54086	N.D.	233.722 #
1) L4 Aroclor-1242{5}	14.09	14.20	30061	42933	82.724	480.364 #
Sum Aroclor-1242			30061	105937	82.724	749.778
Average Aroclor-1242					82.724	249.926
2) L5 Aroclor-1248{1}	0.00	10.26	0	6997	N.D.	16.800 #
21) L5 Aroclor-1248{2}	11.95	12.19	39638	54086	70.849	159.601 #
2) L5 Aroclor-1248{3}	13.19	12.49	42860	30149	103.698	95.244
2) L5 Aroclor-1248{4}	14.09	13.47	30061	110468	60.566	410.542 #
24) L5 Aroclor-1248{5}	0.00	15.49	0	208488	N.D.	1655.298 #

See P. 350B

349

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:27 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
Sum	Aroclor-1248			112559	410188	235.113	2337.485	
Average	Aroclor-1248					78.371	467.497	
						ND	ND	
25) L6	Aroclor-1254{1}	14.09	11.37	30061	71821	221.471	325.769	#
26) L6	Aroclor-1254{2}	15.48	13.47	116622	110468	316.322	263.790	
27) L6	Aroclor-1254{3}	15.80	14.89	122410	60534	265.621	404.941	#
28) L6	Aroclor-1254{4}	18.45	15.49	196025	208488	483.663	429.051	
29) L6	Aroclor-1254{5}	19.71	17.79	635214	337779	736.049m	743.290	
Sum	Aroclor-1254			1100332	789092	2023.126	2166.840	
Average	Aroclor-1254					404.625	433.368	
30) L7	Aroclor-1260{1}	18.04	15.99	143358	139754	275.454	410.046	#
31) L7	Aroclor-1260{2}	18.45	16.69	196025	135268	318.456	332.724	
32) L7	Aroclor-1260{3}	20.01	17.79	52292	337779	114.603	654.939	#
33) L7	Aroclor-1260{4}	21.08	19.81	110582	98407	237.331	157.162	#
34) L7	Aroclor-1260{5}	21.67	20.93	182407	78242	141.497	165.647	
Sum	Aroclor-1260			684664	789450	1087.341	1720.518	
Average	Aroclor-1260					217.468	344.104	
						ND	ND	

See p. 350A

interference

350

12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0792.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDA~1\BA0792.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:07 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	265927	180869	14.191	14.140
Spiked Amount 40.000 Range 43 - 150 Recovery =					35.48%#	35.35%#
2) SA Decachlorobiphen	29.27	24.55	471505	298184	21.381	32.101 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					53.45%	80.25%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.37	37454	68678	276.030m	309.105
4) L6 Aroclor-1254{2}	15.48	13.47	104423	108641	272.230	259.219
5) L6 Aroclor-1254{3}	15.80	14.89	107378	59132	204.000	394.396 #
6) L6 Aroclor-1254{4}	18.45	15.49	192529	176927	449.016	355.747
7) L6 Aroclor-1254{5}	~~19.71~~	17.79	~~690468~~	314493	~~795.073m~~	656.330
Sum Aroclor-1254			1132252	727871	~~1996.348~~	~~1974.797~~
Average Aroclor-1254					~~399.270~~	~~394.959~~

interference

380.32

350A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0792A.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDA~1\BA0792A.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	265927	180869	28.586	29.932
Spiked Amount 40.000 Range 43 - 150 Recovery =					71.47%	74.83%
2) SA Decachlorobiphen	29.27	24.55	471505	298184	31.221	35.893
Spiked Amount 40.000 Range 24 - 154 Recovery =					78.05%	89.73%

Target Compounds

3 5 0

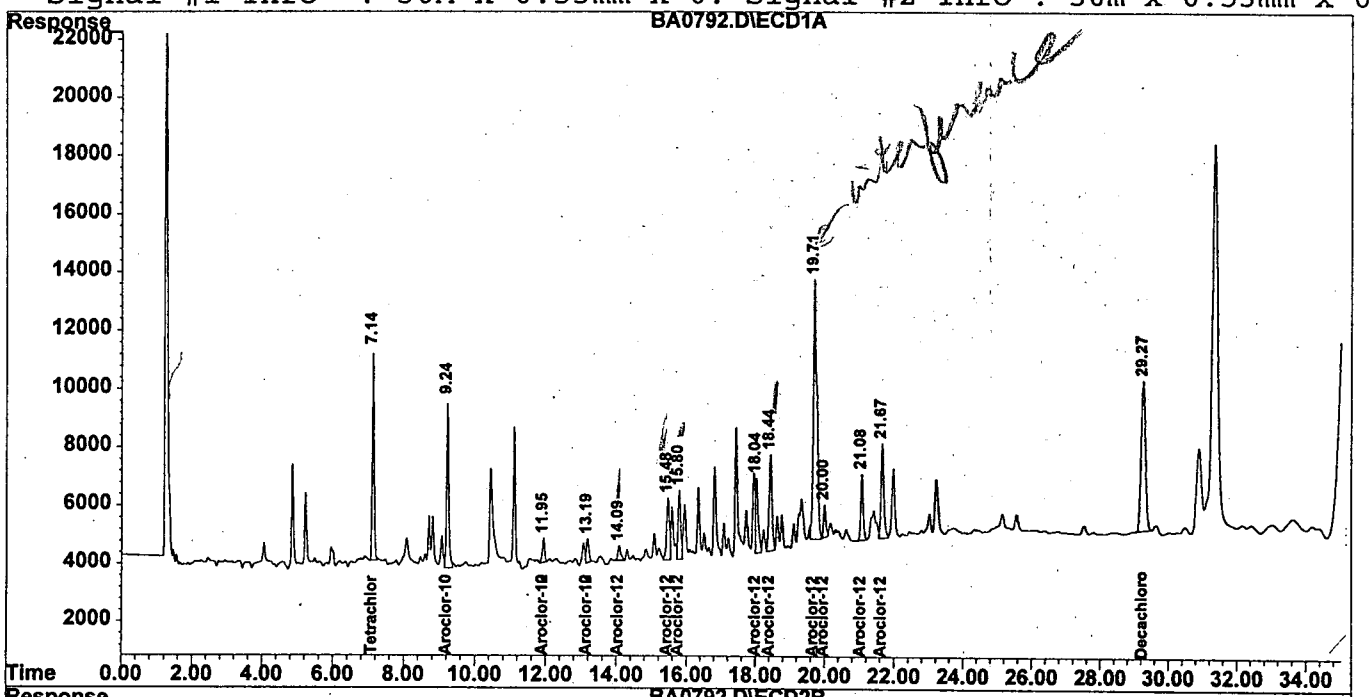
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

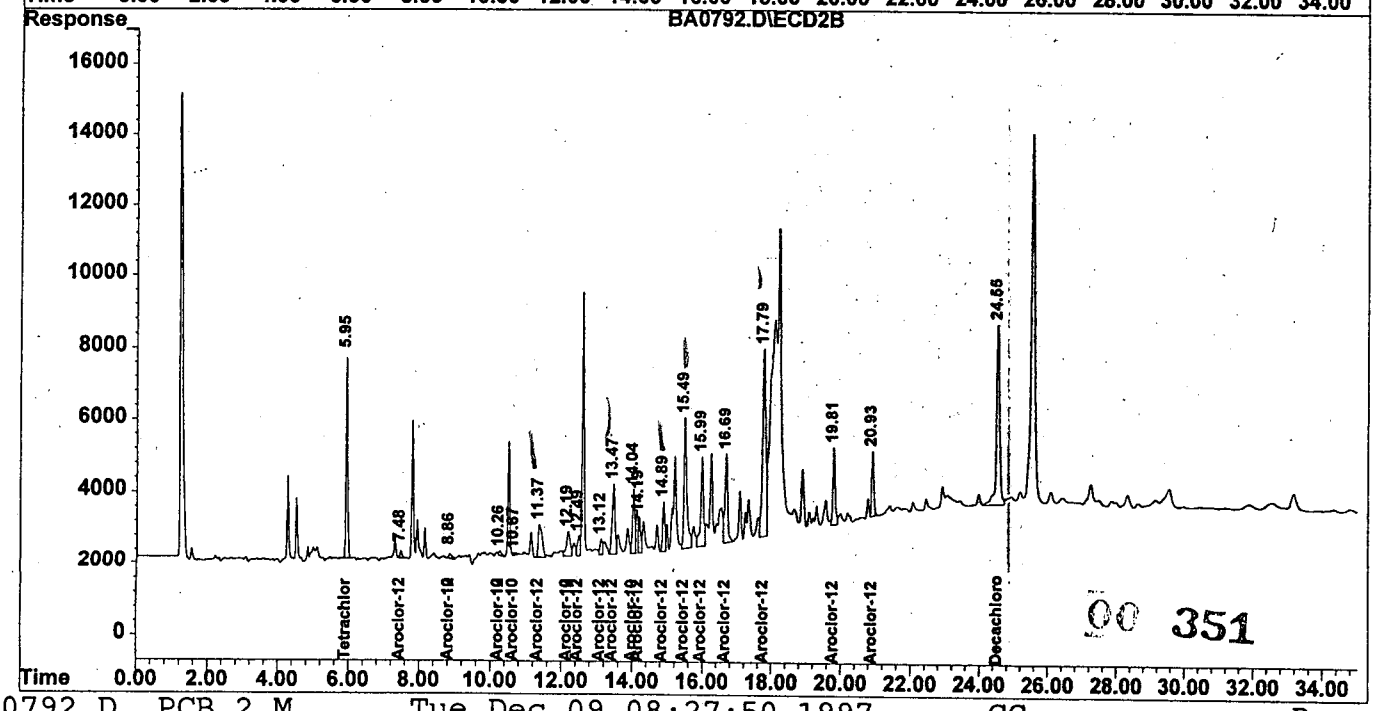
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_B\BA0792.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:27 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





00 351

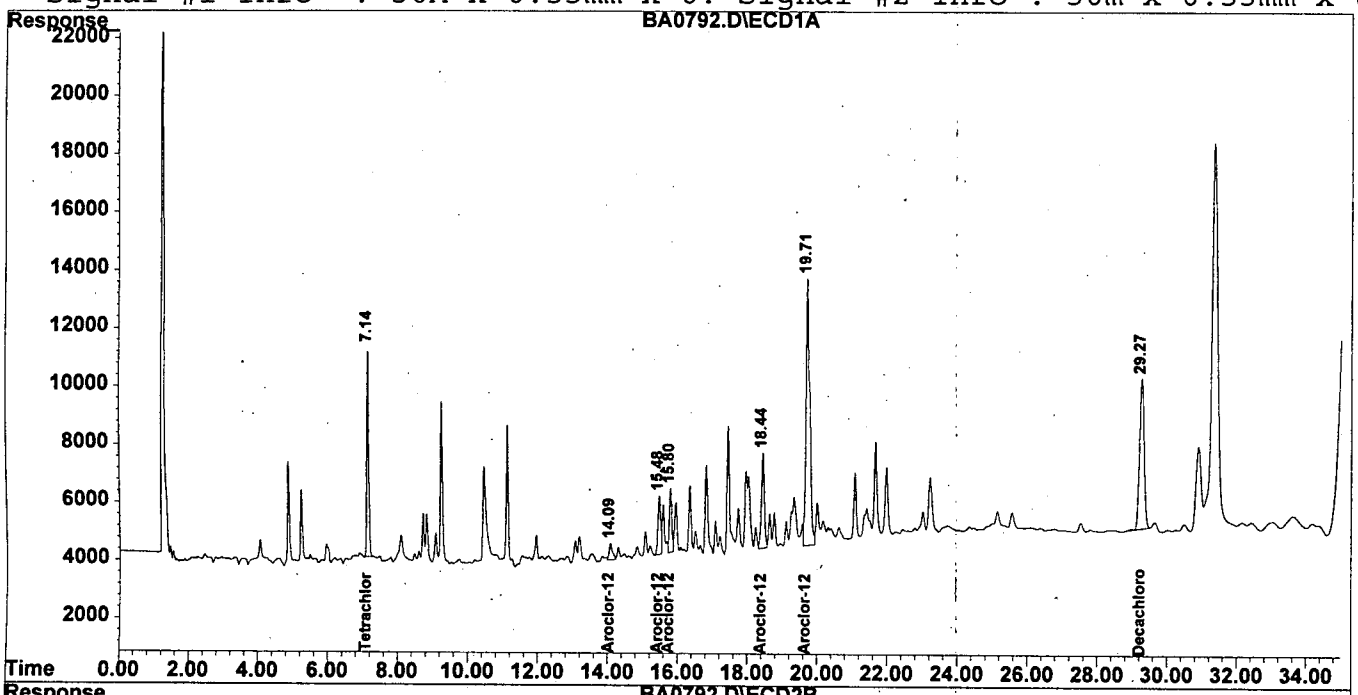
Quantitation Report

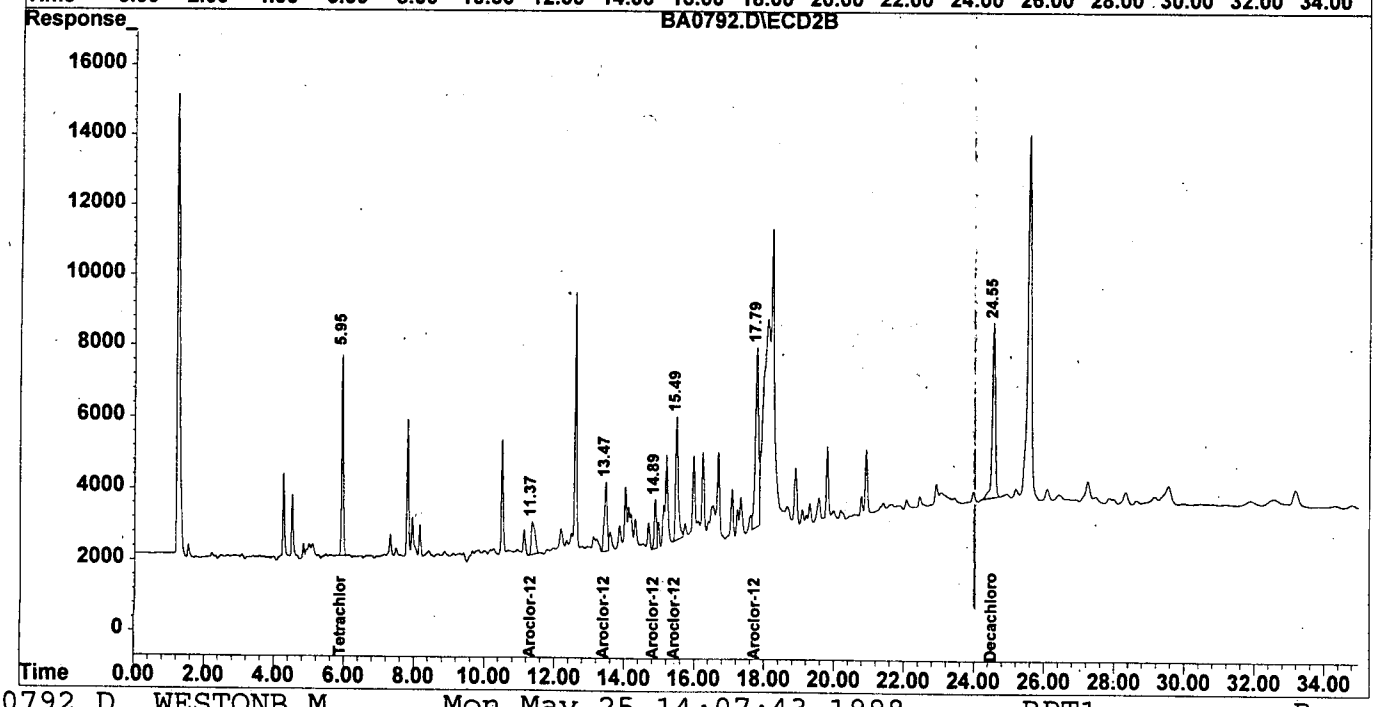
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0792.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDA~1\BA0792.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:07 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



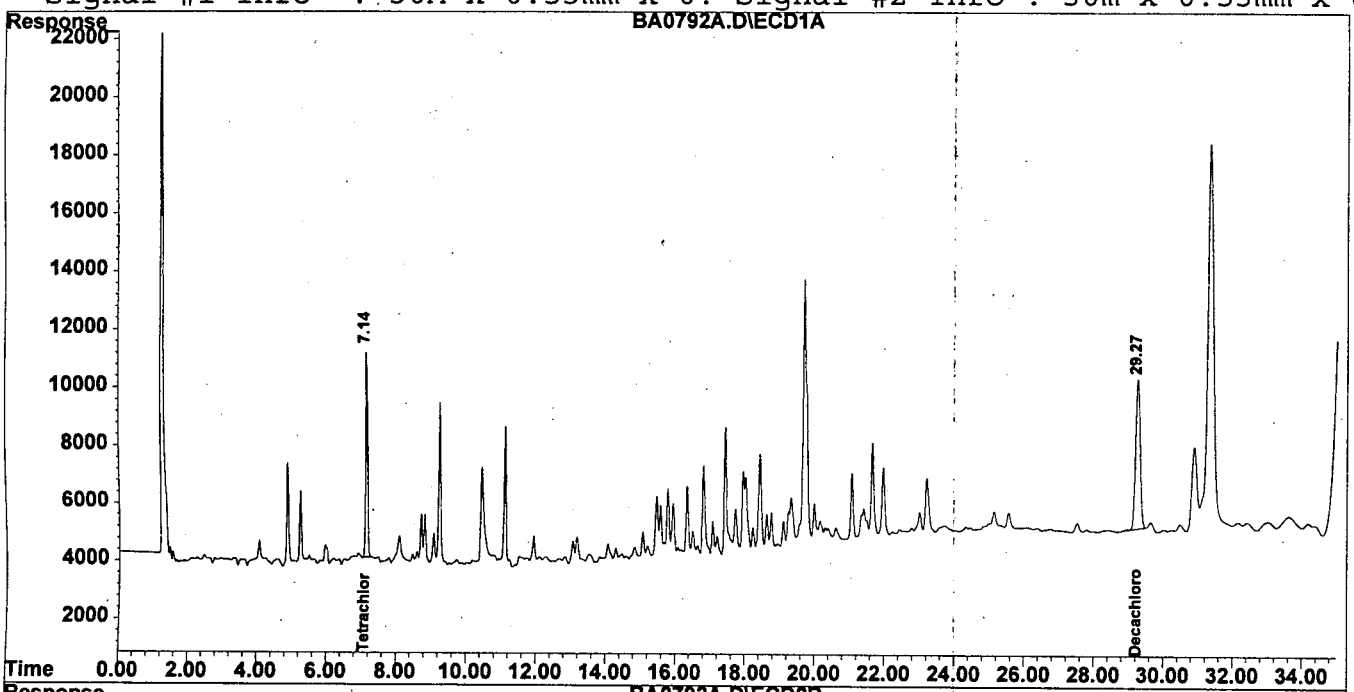


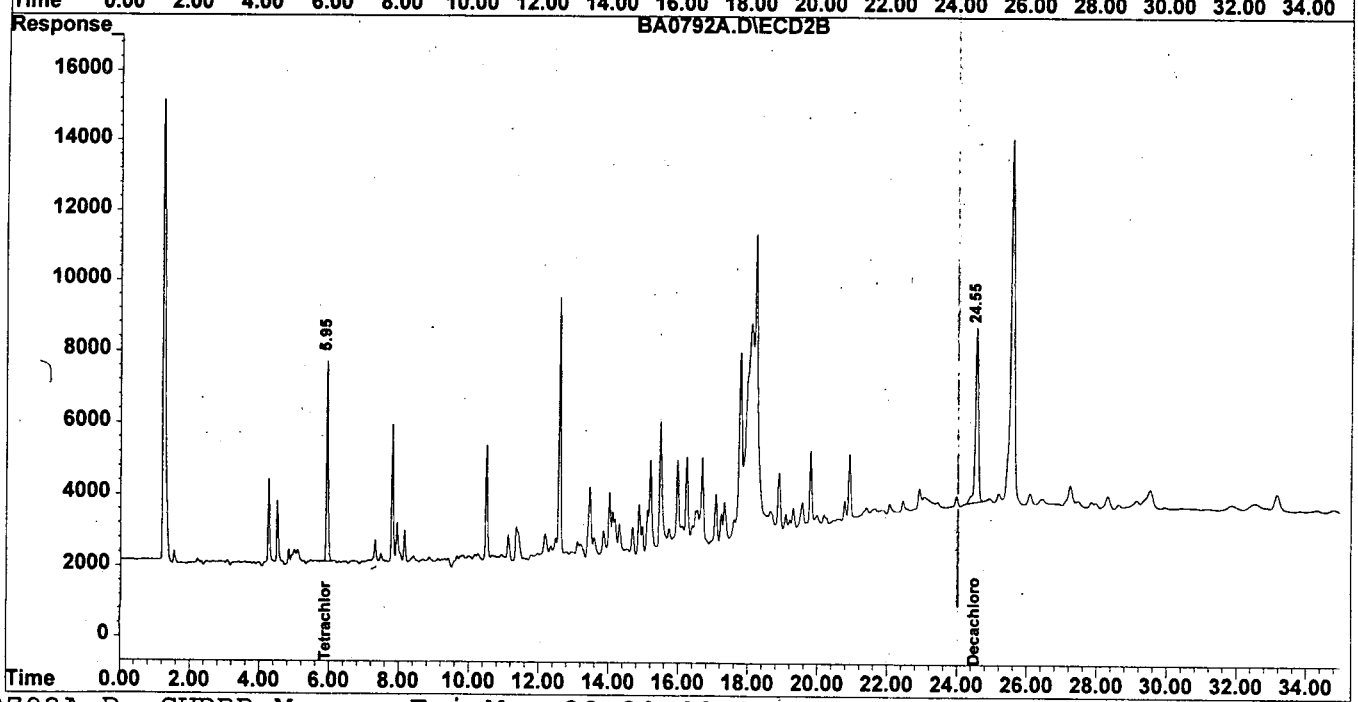
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0792A.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDA~1\BA0792A.D\ECD2B.CH
Acq On : 9 Dec 97 6:21 Operator:
Sample : 278167 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278168
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	30.57%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	48	24
Aroclor-1221	U	U	96	67
Aroclor-1232	U	U	48	38
Aroclor-1242	U	U	48	24
Aroclor-1248	U J	U	48	29
Aroclor-1254	720	U	48	34
Aroclor-1260	U	U	48	38

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	349557	224360	38.586	34.640	
Spiked Amount 40.000 Range 43 - 150 Recovery =					96.47%	86.60%	
2) SA Decachlorobiphen	29.27	24.55	589325	371611	39.161	41.670	
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.90%	104.18%	
Target Compounds							
4) L1 Aroclor-1016{1}	9.24	0.00	55710	0	261.718	N.D.	#
5) L1 Aroclor-1016{2}	0.00	10.26	0	14777	N.D.	26.103	#
5) L1 Aroclor-1016{3}	11.95	0.00	20318	0	24.702	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.18	0	70734	N.D.	275.723	#
7) L1 Aroclor-1016{5}	13.20	14.04	118190	440128	361.959	2984.325	#
Sum Aroclor-1016			194219	525639	648.379	3286.152	
Average Aroclor-1016					216.126	1095.384	
					NO	NO	
8) L2 Aroclor-1221{1}	6.01	0.00	37363	0	424.591	N.D.	#
9) L2 Aroclor-1221{2}	0.00	7.48	0	8798	N.D.	124.762	#
Sum Aroclor-1221			37363	8798	424.591	124.762	
Average Aroclor-1221					424.591	124.762	
					NO	NO	
12) L3 Aroclor-1232{2}	0.00	9.98	0	24511	N.D.	586.722	#
13) L3 Aroclor-1232{3}	0.00	11.37	0	184608	N.D.	2216.155	#
14) L3 Aroclor-1232{4}	11.95	13.12	20318	55336	57.881	978.103	#
Sum Aroclor-1232			20318	264455	57.881	3780.980	
Average Aroclor-1232					57.881	1260.327	
					NO	NO	
16) L4 Aroclor-1242{2}	0.00	9.98	0	24511	N.D.	319.344	#
17) L4 Aroclor-1242{4}	0.00	12.18	0	70734	N.D.	305.663	#
18) L4 Aroclor-1242{5}	14.08	0.00	74872	0	206.038	N.D.	#
Sum Aroclor-1242			74872	95245	206.038	625.008	
Average Aroclor-1242					206.038	312.504	
					NO	NO	
20) L5 Aroclor-1248{1}	0.00	10.26	0	14777	N.D.	35.478	#
21) L5 Aroclor-1248{2}	11.95	12.18	20318	70734	36.317	208.728	#
22) L5 Aroclor-1248{3}	13.20	12.49	118190	49703	285.955	157.020	#
23) L5 Aroclor-1248{4}	14.08	13.47	74872	283893	150.849	1055.055	#
					NO	NO	

See P. 354B

00 353

12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
24) L5	Aroclor-1248{5}	0.00	15.49	0	839127	N.D.	6662.264	#
Sum	Aroclor-1248			213381	1258234	473.121	8118.544	
Average	Aroclor-1248					157.707	1623.709	
						no	no	
25) L6	Aroclor-1254{1}	14.08	11.37	74872	184608	551.610	837.347	#
26) L6	Aroclor-1254{2}	15.48	13.47	202356	283893	548.867	677.914	
27) L6	Aroclor-1254{3}	15.80	14.88	676540	174839	1468.043	1169.579	
28) L6	Aroclor-1254{4}	18.45	15.49	1207246	839127	2978.704	1726.848	#
29) L6	Aroclor-1254{5}	19.78	17.79	2526482	1491109	2927.542	3281.217	
Sum	Aroclor-1254			4687497	2973576	8474.767	7692.905	
Average	Aroclor-1254					1694.953	1538.581	
30) L7	Aroclor-1260{1}	0.00	15.99	0	564701	N.D.	1656.860	#
31) L7	Aroclor-1260{2}	18.45	16.69	1207246	755506	1961.256	1858.355	
32) L7	Aroclor-1260{3}	20.01	17.79	273861	1491109	600.195	2891.195	#
33) L7	Aroclor-1260{4}	21.08	19.81	668585	309554	1434.910	494.377	#
34) L7	Aroclor-1260{5}	21.67	20.92	577582	241459	448.042	511.194	
Sum	Aroclor-1260			2727274	3362329	4444.403	7411.981	
Average	Aroclor-1260					1111.101	1482.396	
						no	no	

Lee P. 354A

interference

354

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0794.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0794.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	311502	222280	16.623	17.377
Spiked Amount 40.000 Range 43 - 150 Recovery =					41.56%#	43.44%
2) SA Decachlorobiphen	29.27	24.55	589234	357012	26.719	38.434 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					66.80%	96.08%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	59206	182774	436.338m	822.625 #
4) L6 Aroclor-1254{2}	15.48	13.47	202364	282028	527.564	672.924 #
5) L6 Aroclor-1254{3}	15.80	14.88	676540	174632	1285.309	1164.750
6) L6 Aroclor-1254{4}	18.45	15.49	1207246	838114	2815.538	1685.194 #
7) L6 Aroclor-1254{5}	~~19.78~~	~~17.79~~	~~2526482~~	~~1487823~~	~~2909.239~~	~~3105.004~~
Sum Aroclor-1254			4671838	2965372	~~7973.989~~	~~7450.498~~
Average Aroclor-1254					~~1594.798~~	~~1490.100~~

interference

1266.19 1783.87

354A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0794A.D\ECD1A.CH Vial: 29
Signal #2 : E:\WESTDA~1\BA0794A.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:19 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95f	320390	224778	34.441m	37.198m
Spiked Amount 40.000	Range 43 - 150		Recovery =		86.10%	93.00%
2) SA Decachlorobiphen	29.27f	24.55f	573682	359498	37.987m	43.274m
Spiked Amount 40.000	Range 24 - 154		Recovery =		94.97%	108.19%
Target Compounds						

3 5 4B

5/29/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

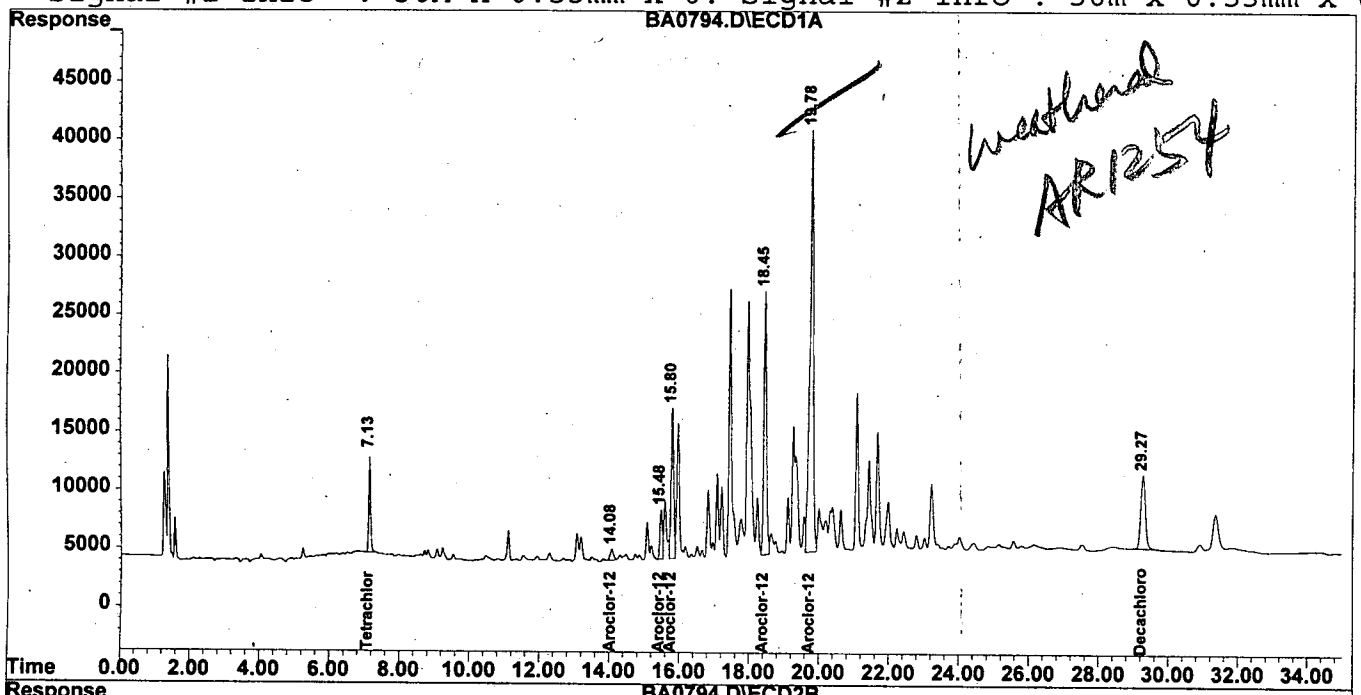
Quantitation Report

AMENDED REPORT MAY 2 8 1998

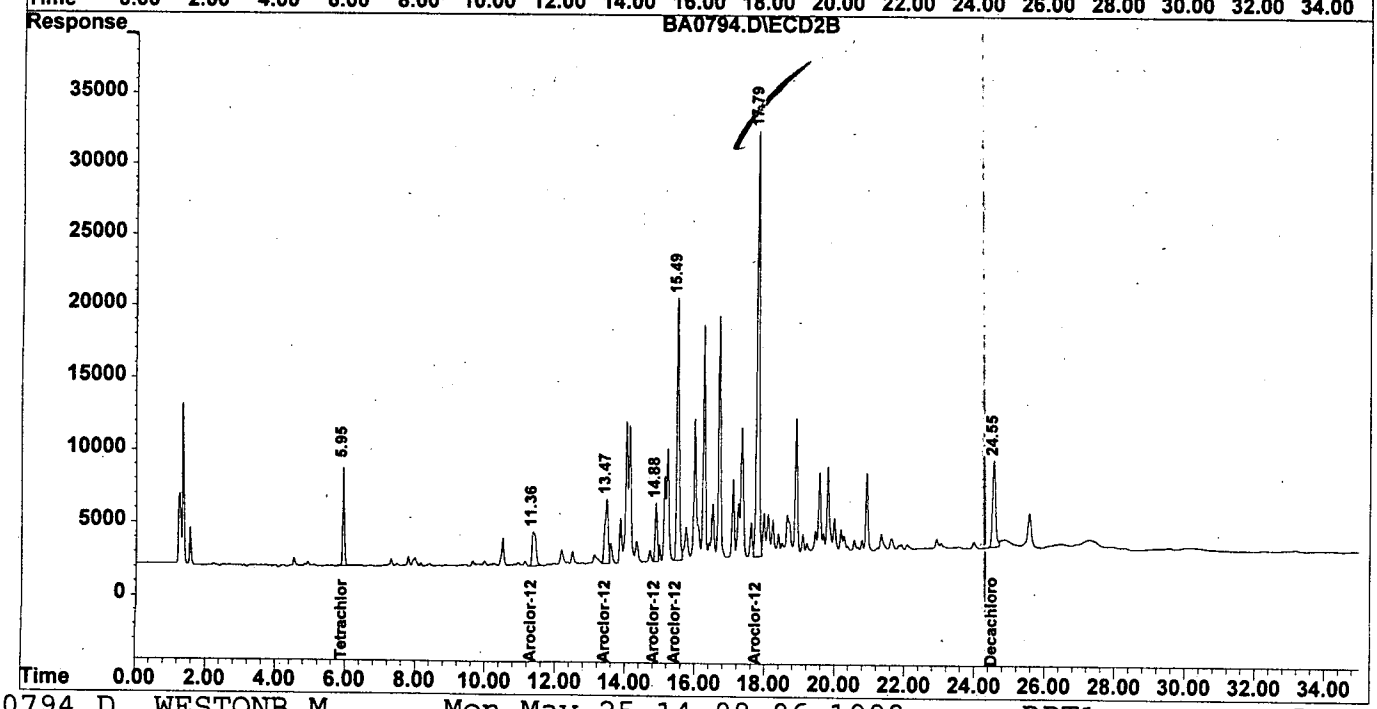
Signal #1 : E:\WESTDA~1\BA0794.D\ECD1A.CH Vial: 29
Signal #2 : E:\WESTDA~1\BA0794.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



weathered AR1254



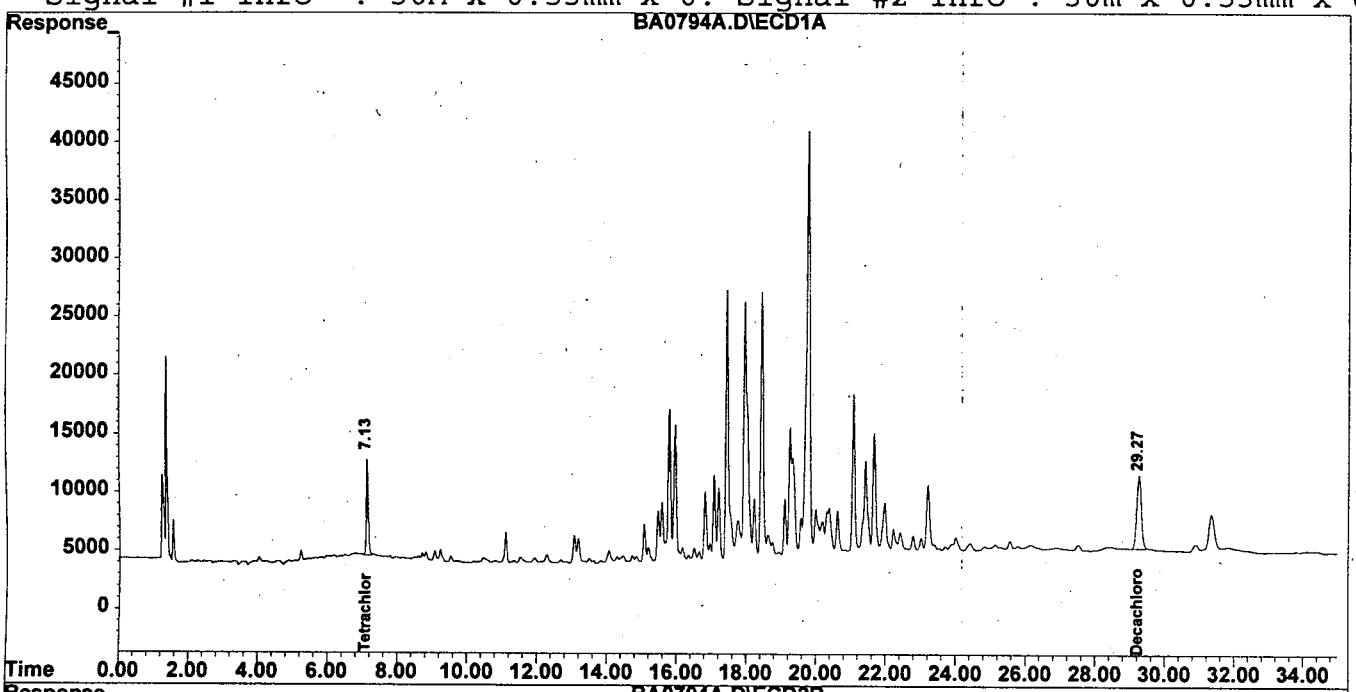
3 545 AC

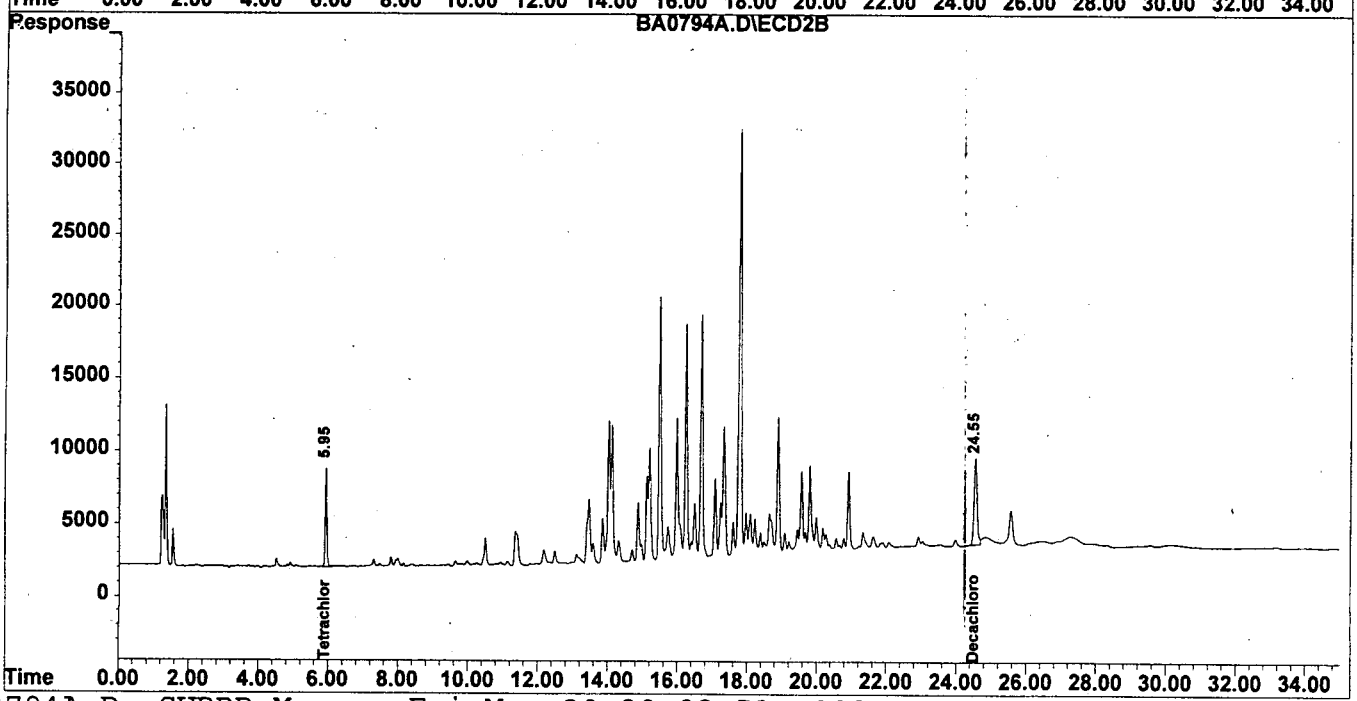
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0794A.D\ECD1A.CH Vial: 29
Signal #2 : E:\WESTDA~1\BA0794A.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:19 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



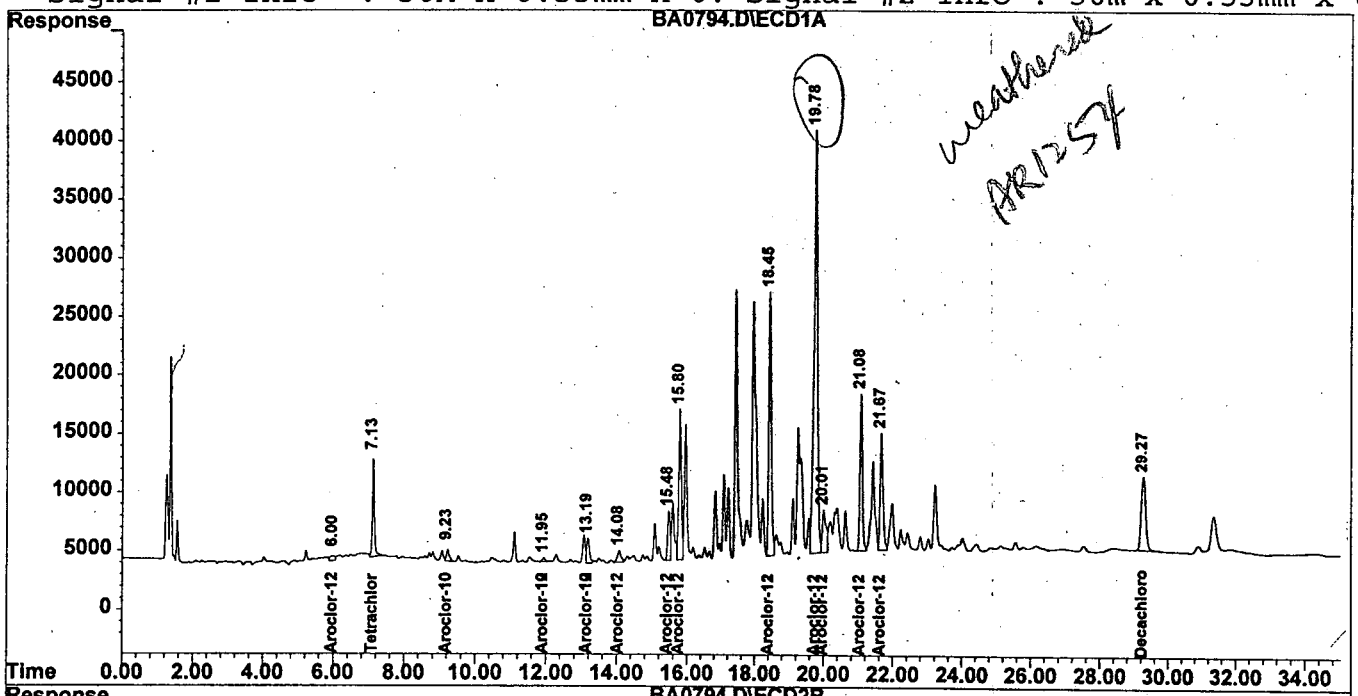


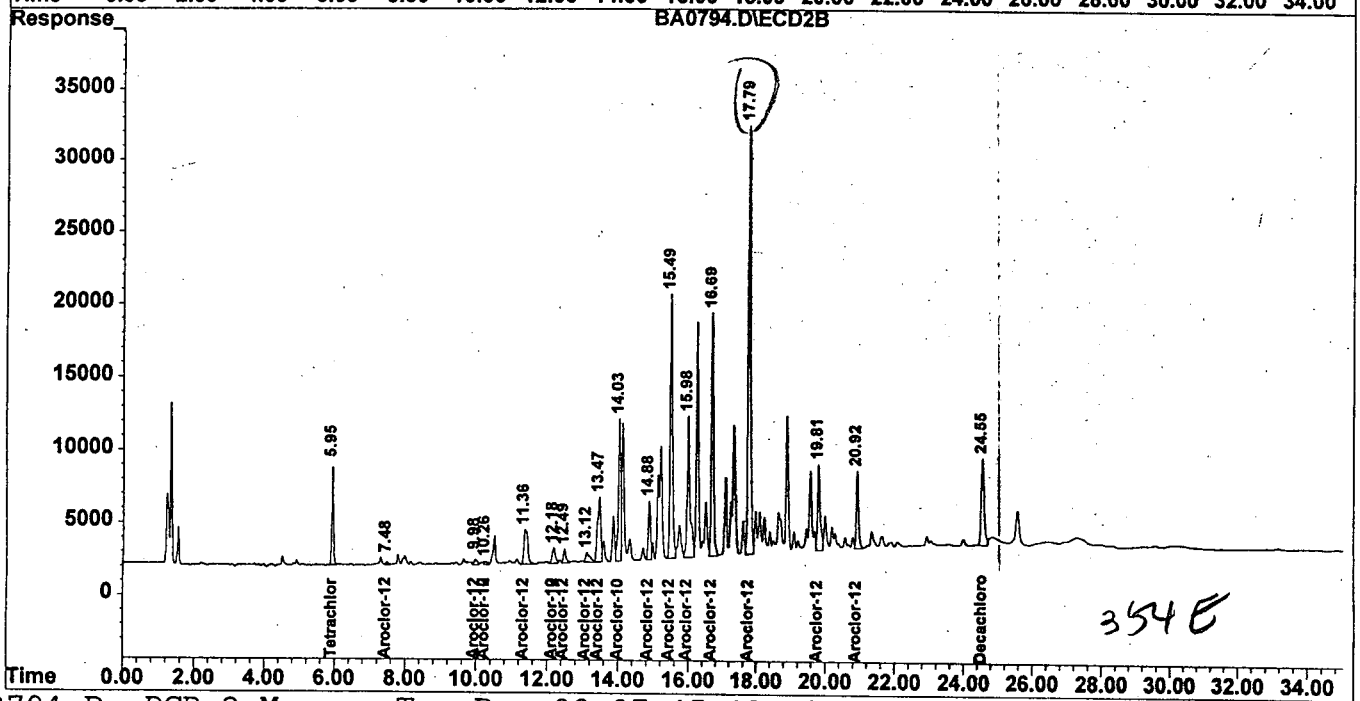
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_B\BA0794.D\ECD2B.CH
Acq On : 9 Dec 97 7:38 Operator:
Sample : 278168 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278169
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	29.82%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	47	24
Aroclor-1221	U	U	95	66
Aroclor-1232	U	U	47	38
Aroclor-1242	U	U	47	24
Aroclor-1248	UJ	U	47	28
Aroclor-1254	150	U	47	33
Aroclor-1260	U	U	47	38

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	389618	252403	43.009	38.969	
Spiked Amount 40.000 Range 43 - 150 Recovery =					107.52%	97.42%	
2) SA Decachlorobiphen	29.27	24.55	650578	403646	43.231	45.262	
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.08%	113.16%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.24	8.86	193716	26571	910.055	91.304	#
4) L1 Aroclor-1016{2}	0.00	10.26	0	25634	N.D.	45.283	#
5) L1 Aroclor-1016{3}	11.95	0.00	65320	0	79.413	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.20	0	64242	N.D.	250.417	#
7) L1 Aroclor-1016{5}	13.18	14.04	45508	53066	139.369	359.820	#
Sum Aroclor-1016			304544	169514	1128.836	746.825	
Average Aroclor-1016					376.279	186.706	
					NP	NP	
8) L2 Aroclor-1221{1}	6.01	0.00	15405	0	175.065	N.D.	#
9) L2 Aroclor-1221{2}	0.00	7.48	0	14720	N.D.	208.749	#
Sum Aroclor-1221			15405	14720	175.065	208.749	
Average Aroclor-1221					175.065	208.749	
					NP	NP	
11) L3 Aroclor-1232{1}	0.00	8.86	0	26571	N.D.	183.605	#
12) L3 Aroclor-1232{2}	0.00	9.97	0	29798	N.D.	713.298	#
13) L3 Aroclor-1232{3}	0.00	11.37	0	57320	N.D.	688.105	#
14) L3 Aroclor-1232{4}	11.95	13.12	65320	29097	186.079	514.302	#
Sum Aroclor-1232			65320	142786	186.079	2099.310	
Average Aroclor-1232					186.079	524.828	
					NP	NP	
15) L4 Aroclor-1242{1}	0.00	8.86	0	26571	N.D.	106.333	#
16) L4 Aroclor-1242{2}	0.00	9.97	0	29798	N.D.	388.237	#
17) L4 Aroclor-1242{4}	0.00	12.20	0	64242	N.D.	277.609	#
19) L4 Aroclor-1242{5}	14.09	14.19	43327	54982	119.229	615.186	#
Sum Aroclor-1242			43327	175594	119.229	1387.365	
Average Aroclor-1242					119.229	346.841	
					NP	NP	
20) L5 Aroclor-1248{1}	0.00	10.26	0	25634	N.D.	61.546	#
21) L5 Aroclor-1248{2}	11.95	12.20	65320	64242	116.752	189.571	#
					NP	NP	

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12/18/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22) L5	Aroclor-1248{3}	13.18	12.49	45508	37127	110.104	117.291	
23) L5	Aroclor-1248{4}	14.09	13.47	43327	69432	87.293	258.035	#
24) L5	Aroclor-1248{5}	0.00	15.49	0	157628	N.D.	1251.494	#
Sum	Aroclor-1248			154154	354064	314.149	1877.936	
Average	Aroclor-1248					104.716	375.587	
	Weathered AR1254							
25) L6	Aroclor-1254{1}	14.09	11.37	43327	57320	319.203	259.992	
26) L6	Aroclor-1254{2}	15.48	13.47	52545	69432	142.523	165.798	
27) L6	Aroclor-1254{3}	15.80	14.89	66183	44696	143.613	298.990	#
28) L6	Aroclor-1254{4}	18.45	15.49	157722	157628	389.155	324.385	
29) L6	Aroclor-1254{5}	19.71	17.78	843646	266699	~~977.568m~~	586.877	#
Sum	Aroclor-1254			1163423	595775	1972.062	1636.042	
Average	Aroclor-1254					394.412	327.208	
30) L7	Aroclor-1260{1}	18.04	15.99	115802	96365	222.507	282.739	#
31) L7	Aroclor-1260{2}	18.45	16.69	157722	151361	256.230	372.309	#
32) L7	Aroclor-1260{3}	20.01	17.78	80193	266699	175.752	517.118	#
33) L7	Aroclor-1260{4}	21.08	19.81	96566	92110	207.248	147.106	#
34) L7	Aroclor-1260{5}	21.67	20.93	167061	76683	129.593	162.347	#
Sum	Aroclor-1260			617343	683218	991.329	1481.619	
Average	Aroclor-1260					198.266	296.324	

CC 357

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0795.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDA~1\BA0795.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:09 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	385808	249942	20.588	19.540
Spiked Amount 40.000 Range 43 - 150 Recovery =					51.47%	48.85%
2) SA Decachlorobiphen	29.27	24.55	650623	403677	29.503	43.457 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					73.76%	108.64%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.37	26360	47857	194.269m	215.393
4) L6 Aroclor-1254{2}	15.48	13.47	52545	65294	136.986	155.794
5) L6 Aroclor-1254{3}	15.80	14.89	66183	44806	125.737	298.843 #
6) L6 Aroclor-1254{4}	18.45	15.49	157704	157433	367.797	316.550
7) L6 Aroclor-1254{5}	~~19.71~~	17.78	878060	267669	~~1011.084~~m	558.610 #
Sum Aroclor-1254			1180853	583059	~~1835.873~~	1545.189
Average Aroclor-1254					~~367.175~~ 206.197	309.038

3 5 7A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0795A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0795A.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:20 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94f	383926	250835	41.270m	41.510m
Spiked Amount 40.000 Range 43 - 150 Recovery =					103.18%	103.78%
2) SA Decachlorobiphen	29.27f	24.55f	687113	394091	45.498m	47.438m
Spiked Amount 40.000 Range 24 - 154 Recovery =					113.75%	118.60%
Target Compounds						

3 5 7B

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

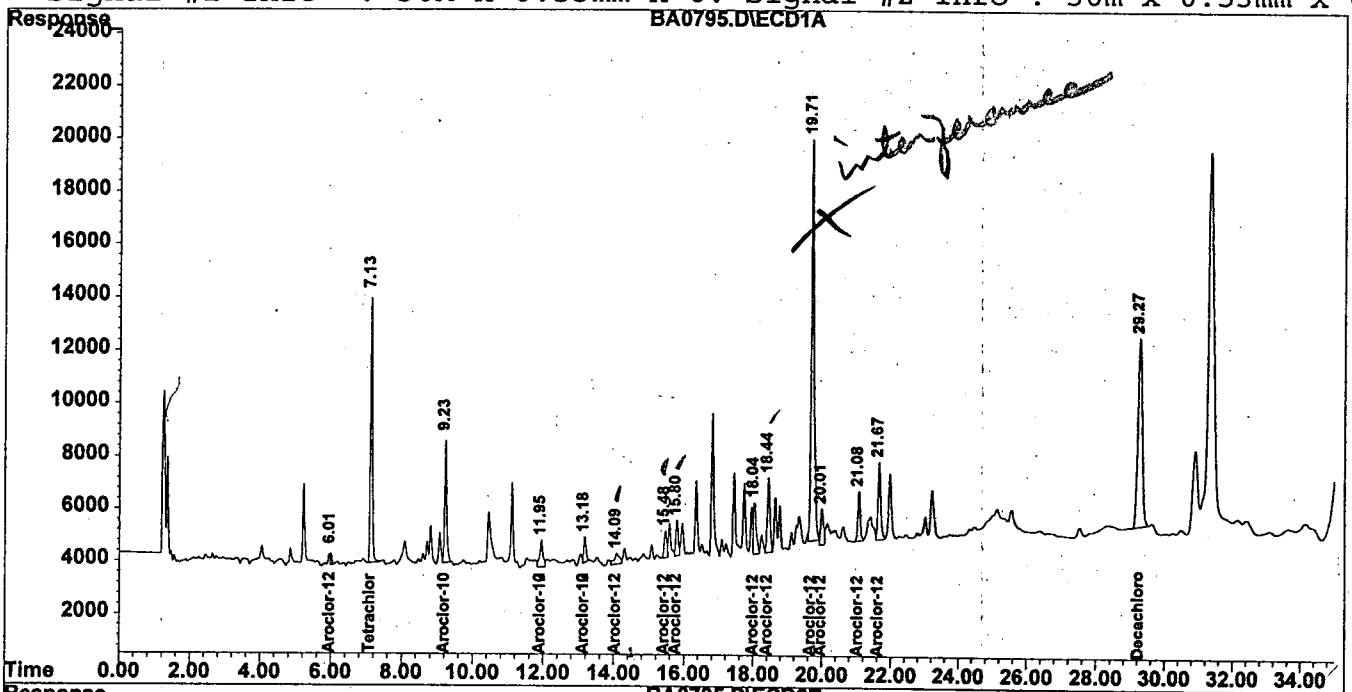
Quantitation Report

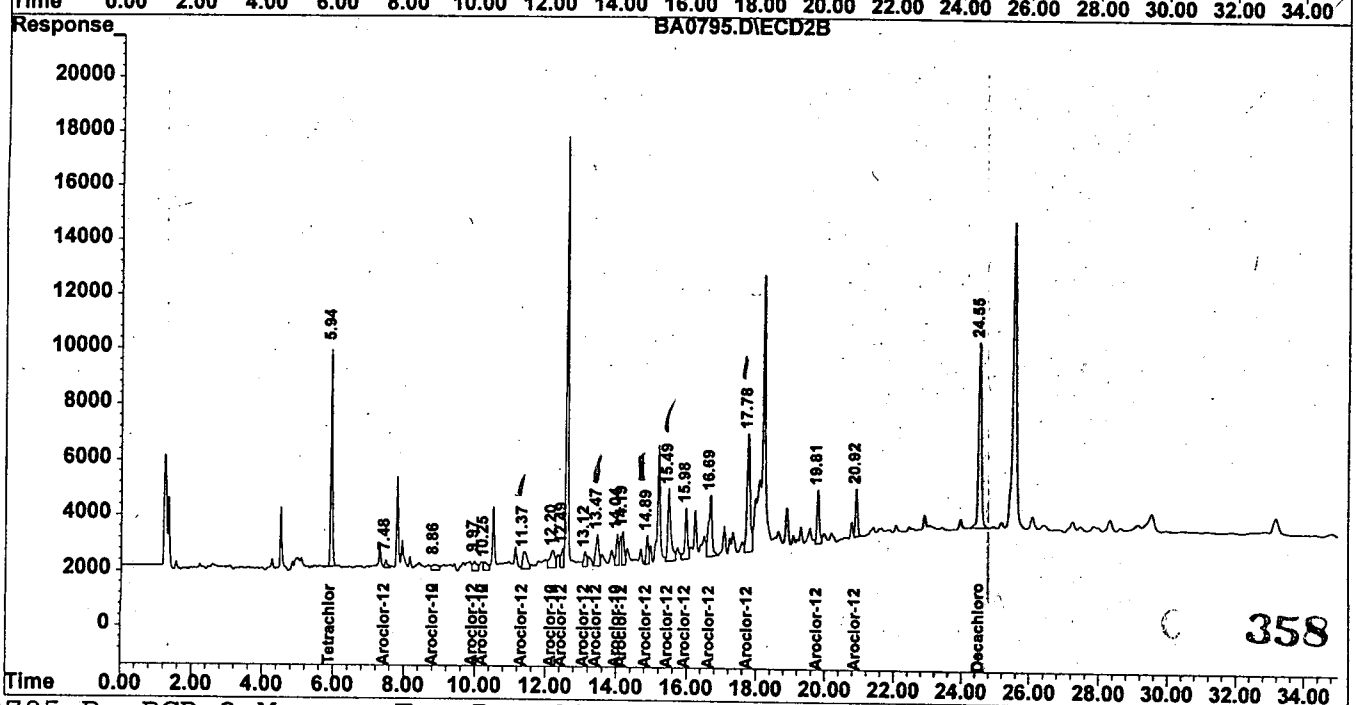
Signal #1 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0795.D\ECD2B.CH
Acq On : 9 Dec 97 8:17
Sample : 278169
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:38 1997 Quant Results File: PCB_2.RES

Vial: 30
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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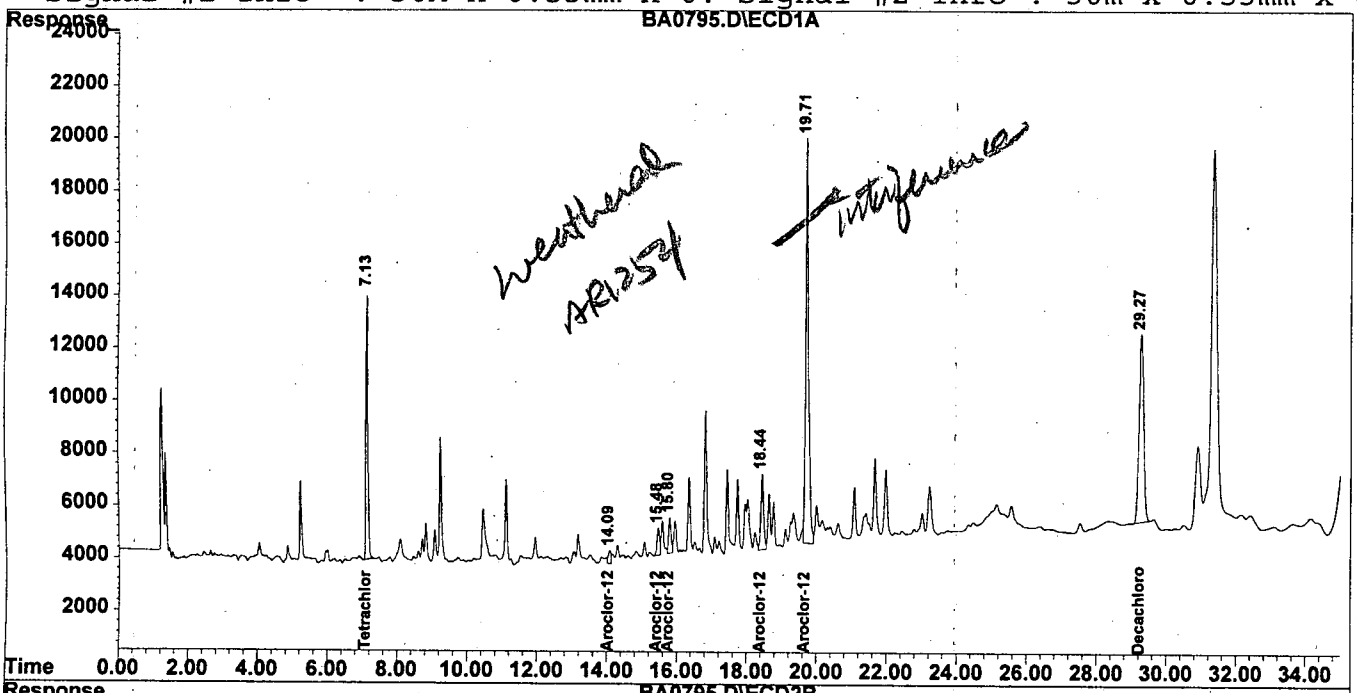
Quantitation Report

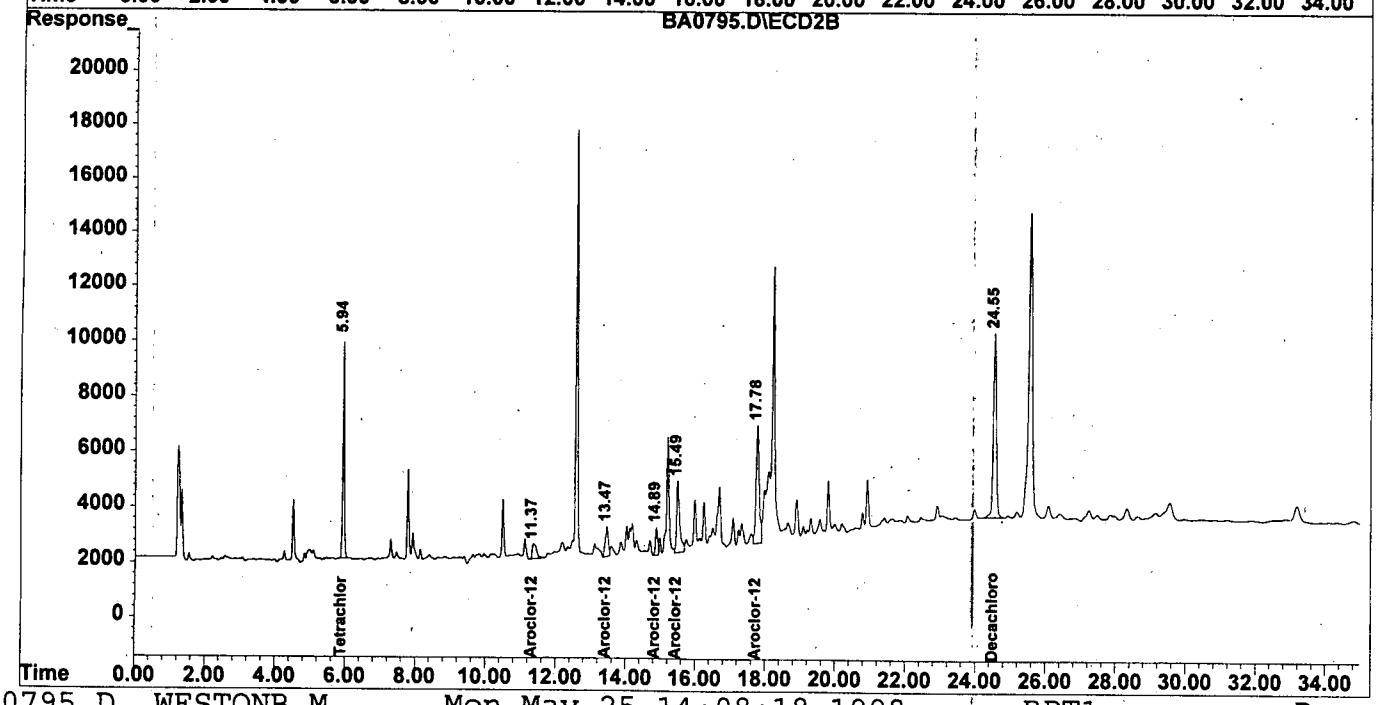
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0795.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDA~1\BA0795.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:09 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



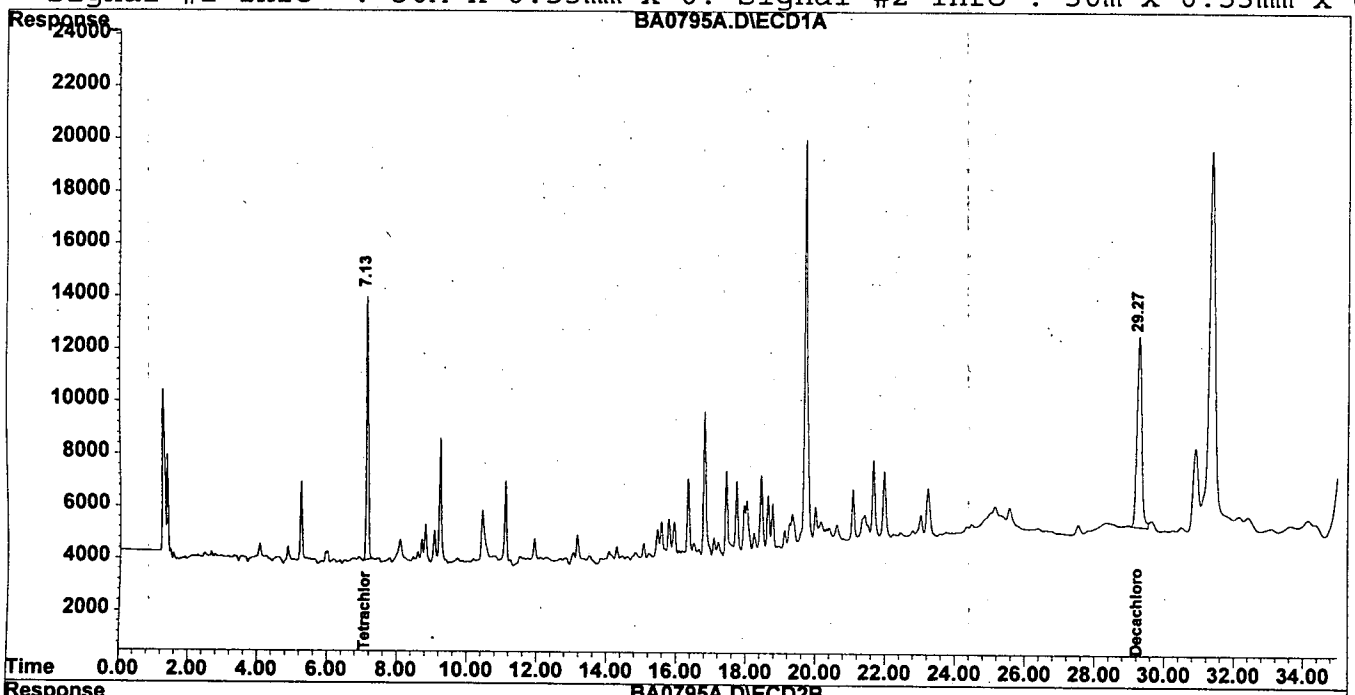


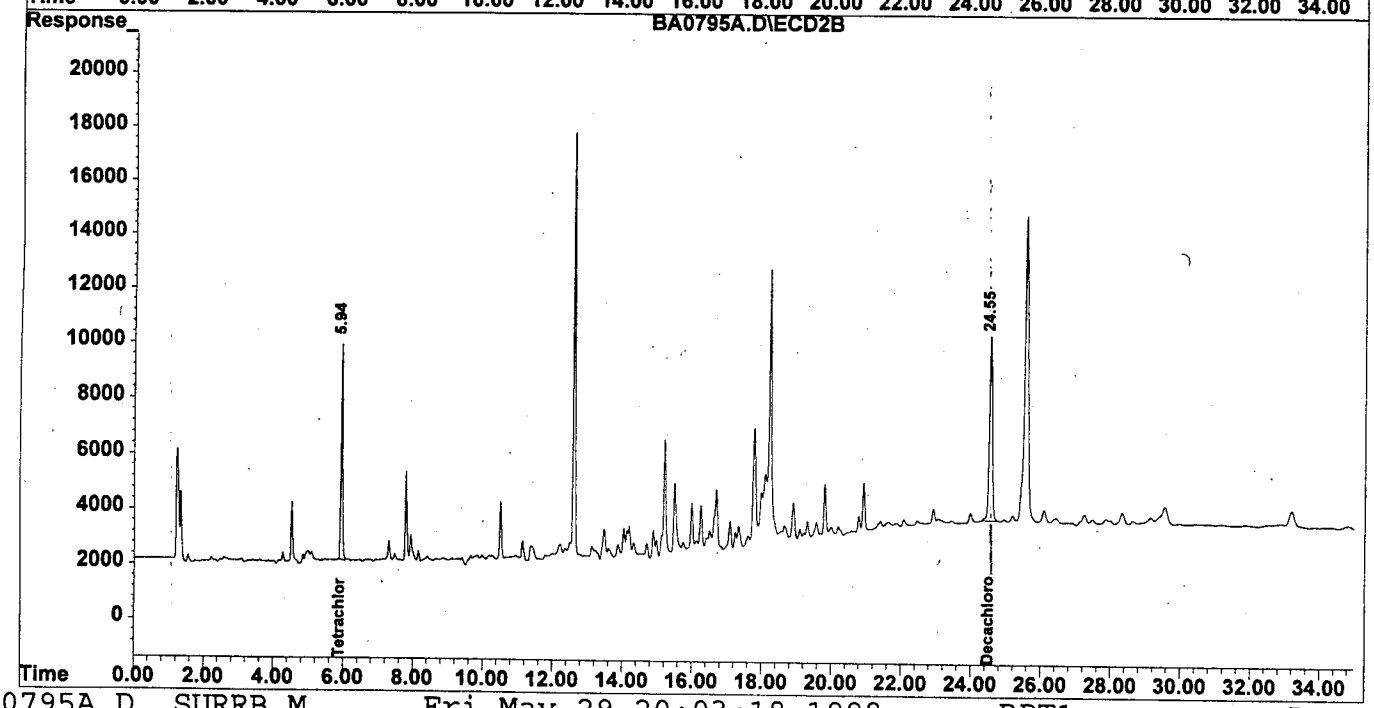
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0795A.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDA~1\BA0795A.D\ECD2B.CH
Acq On : 9 Dec 97 8:17 Operator:
Sample : 278169 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:20 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278170
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	19.33%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	21
Aroclor-1221	U	U	83	58
Aroclor-1232	U	U	41	33
Aroclor-1242	U	U	41	21
Aroclor-1248	UJ	U	41	25
Aroclor-1254	280	U	41	29
Aroclor-1260	U	U	41	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	244213	160322	26.958	24.752	
Spiked Amount 40.000 Range 43 - 150 Recovery =					67.40%	61.88%	
2) SA Decachlorobiphen	29.27	24.55	404343	272946	26.869	30.607	
Spiked Amount 40.000 Range 24 - 154 Recovery =					67.17%	76.52%	
Target Compounds							
3) L1 Aroclor-1016{1}	0.00	8.85	0	5616	N.D.	19.299	#
4) L1 Aroclor-1016{2}	0.00	10.26	0	29324	N.D.	51.800	#
5) L1 Aroclor-1016{3}	11.91	10.67	10413	32688	12.659	121.995	#
6) L1 Aroclor-1016{4}	0.00	12.18	0	69116	N.D.	269.418	#
7) L1 Aroclor-1016{5}	13.20	14.04	151166	188446	462.948	1277.772	#
Sum Aroclor-1016			161579	325189	475.607	1740.284	
Average Aroclor-1016					237.804	348.057	
					NP	NP	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.85	0	5616	N.D.	38.808	#
12) L3 Aroclor-1232{2}	0.00	10.01	0	34691	N.D.	830.404	#
13) L3 Aroclor-1232{3}	0.00	11.36	0	71061	N.D.	853.069	#
14) L3 Aroclor-1232{4}	11.91	13.11	10413	20479	29.663	361.977	#
Sum Aroclor-1232			10413	131847	29.663	2084.258	
Average Aroclor-1232					29.663	521.064	
					NP	NP	
15) L4 Aroclor-1242{1}	0.00	8.85	0	5616	N.D.	22.475	#
16) L4 Aroclor-1242{2}	0.00	10.01	0	34691	N.D.	451.977	#
17) L4 Aroclor-1242{4}	0.00	12.18	0	69116	N.D.	298.674	#
18) L4 Aroclor-1242{5}	14.08	0.00	87867	0	241.799	N.D.	#
Sum Aroclor-1242			87867	109423	241.799	773.125	
Average Aroclor-1242					241.799	257.708	
					NP	NP	
20) L5 Aroclor-1248{1}	0.00	10.26	0	29324	N.D.	70.403	#
21) L5 Aroclor-1248{2}	11.91	12.18	10413	69116	18.612	203.955	#
22) L5 Aroclor-1248{3}	13.20	12.48	151166	33387	365.738	105.474	#
23) L5 Aroclor-1248{4}	14.08	13.47	87867	210557	177.032	782.509	#
					NP	NP	

CO 360

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
24) L5	Aroclor-1248{5}	0.00	15.49	0	377793	N.D.	2999.493	#
Sum	Aroclor-1248			249446	720176	561.382	4161.834	
Average	Aroclor-1248					187.127	832.367	
						np	np	
25) L6	Aroclor-1254{1}	14.08	11.36	87867	71061	647.351	322.322	#
26) L6	Aroclor-1254{2}	15.48	13.47	233510	210557	633.368	502.793	
27) L6	Aroclor-1254{3}	15.80	14.89	281067	115442	609.895	772.246	#
28) L6	Aroclor-1254{4}	18.45	15.49	379472	377793	936.292	777.464	
29) L6	Aroclor-1254{5}	19.78	17.79	736733	532496	853.683	1171.768	#
Sum	Aroclor-1254			1718649	1307349	3680.590	3546.592	
Average	Aroclor-1254					736.118	709.318	
30) L7	Aroclor-1260{1}	18.03	15.99	239647	251162	460.467	736.922	#
31) L7	Aroclor-1260{2}	18.45	16.69	379472	250174	616.479	615.364	
32) L7	Aroclor-1260{3}	20.00	17.79	69121	532496	151.487	1032.486	#
33) L7	Aroclor-1260{4}	21.08	19.81	187796	98895	403.045	157.941	#
34) L7	Aroclor-1260{5}	21.66	20.92	269386	86949	208.968	184.080	
Sum	Aroclor-1260			1145422	1219675	1840.447	2726.792	
Average	Aroclor-1260					368.089	545.358	
						np	np	

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TPS 12/9/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0796.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0796.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:10 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	243431	158890	12.990	12.421
Spiked Amount 40.000 Range 43 - 150 Recovery =					32.48%#	31.05%#
2) SA Decachlorobiphen	29.27	24.55	403107	274168	18.279	29.515 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					45.70%	73.79%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	98390	68745	725.117m	309.405 #
4) L6 Aroclor-1254{2}	15.48	13.47	232094	207845	605.070	495.923
5) L6 Aroclor-1254{3}	15.80	14.89	280123	113444	532.185	756.642 #
6) L6 Aroclor-1254{4}	18.45	15.49	379472	373931	885.005	751.862
7) L6 Aroclor-1254{5}	19.78	17.79	736733	526638	848.346	1099.064 #
Sum Aroclor-1254			1726811	1290603	3595.723	3412.896
Average Aroclor-1254					719.145	682.579

3 6 1A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0796A.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0796A.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:21 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94f	247564	163348	26.612m	27.032m
Spiked Amount 40.000 Range 43 - 150 Recovery =					66.53%	67.58%
2) SA Decachlorobiphen	29.27f	24.55f	416169	243077	27.557m	29.260m
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.89%	73.15%

Target Compounds

3 6 1D

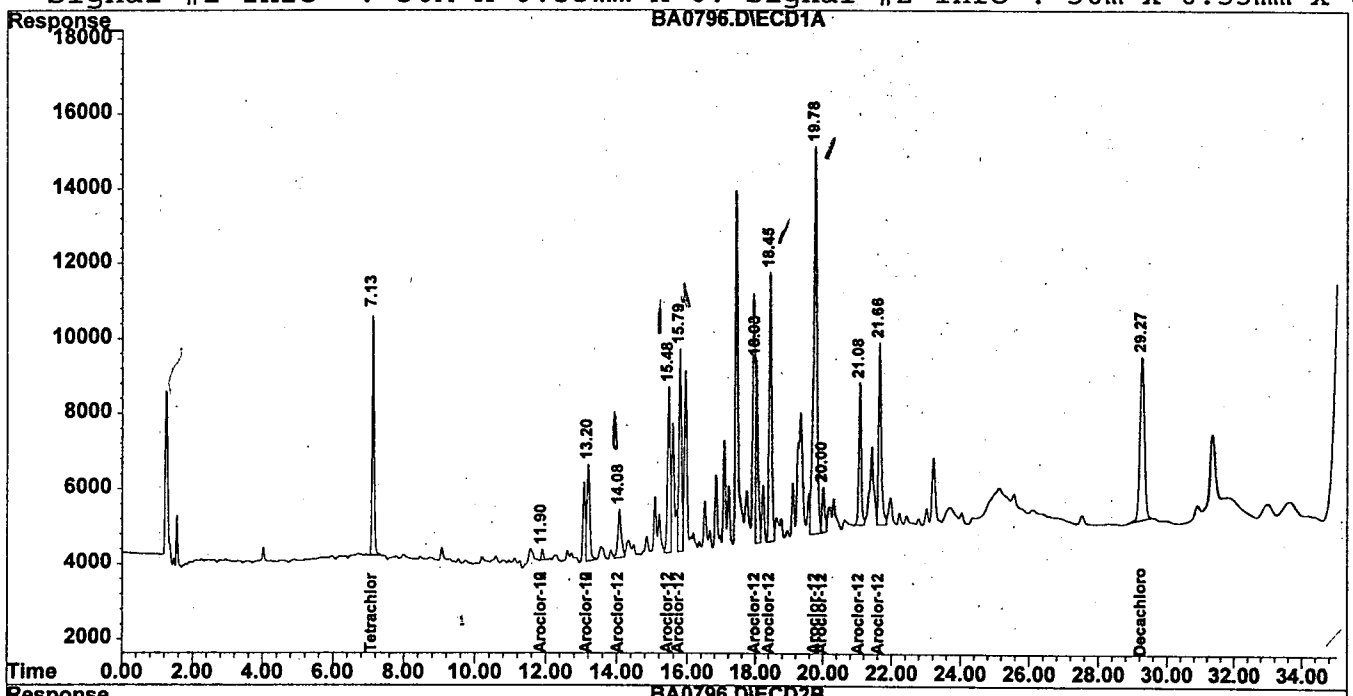
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

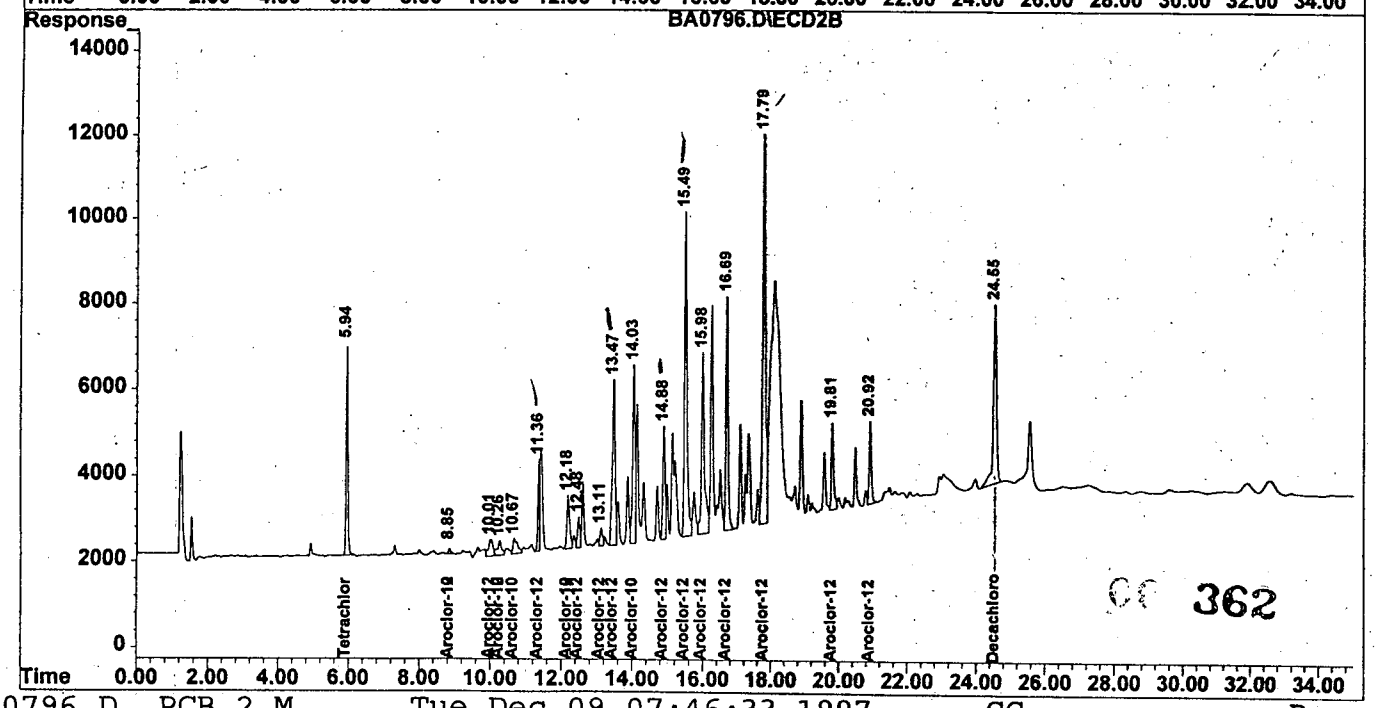
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_B\BA0796.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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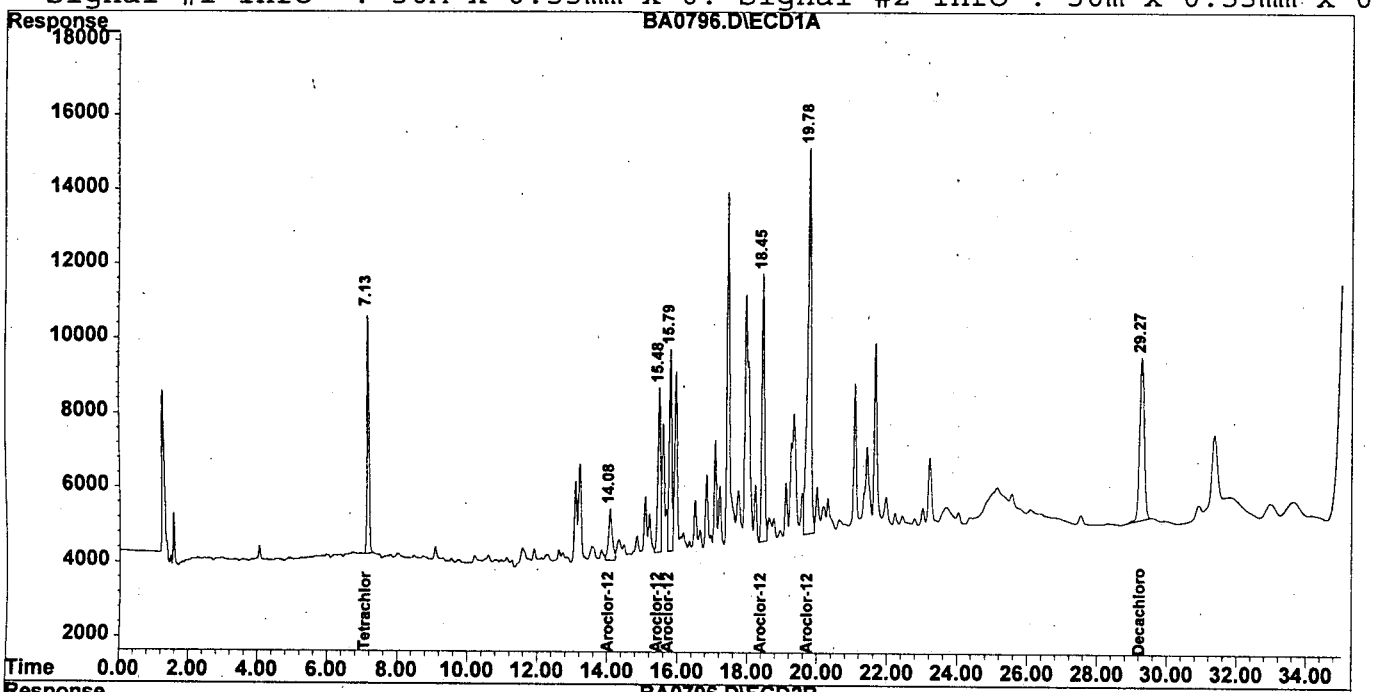
Quantitation Report

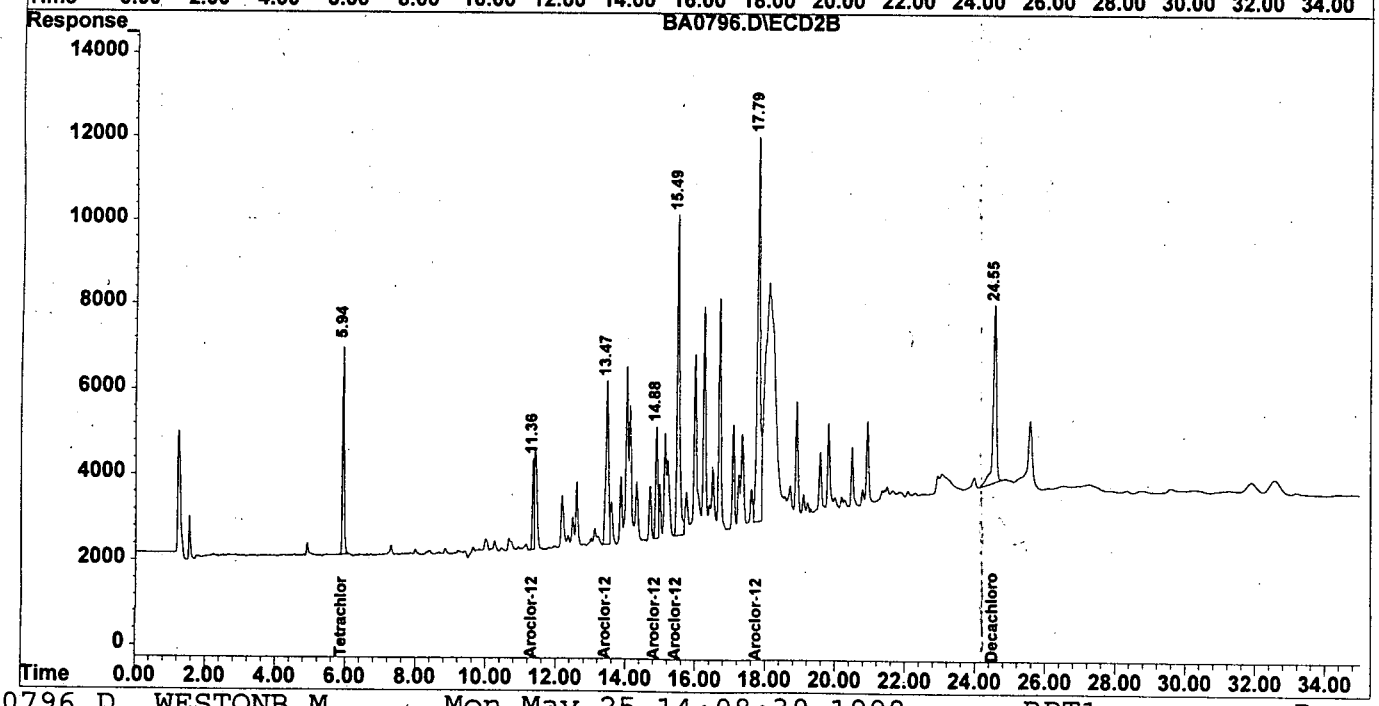
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0796.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0796.D\ECD2B.CH
Acq On : 9 Dec 97 8:56 Operator:
Sample : 278170 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:10 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

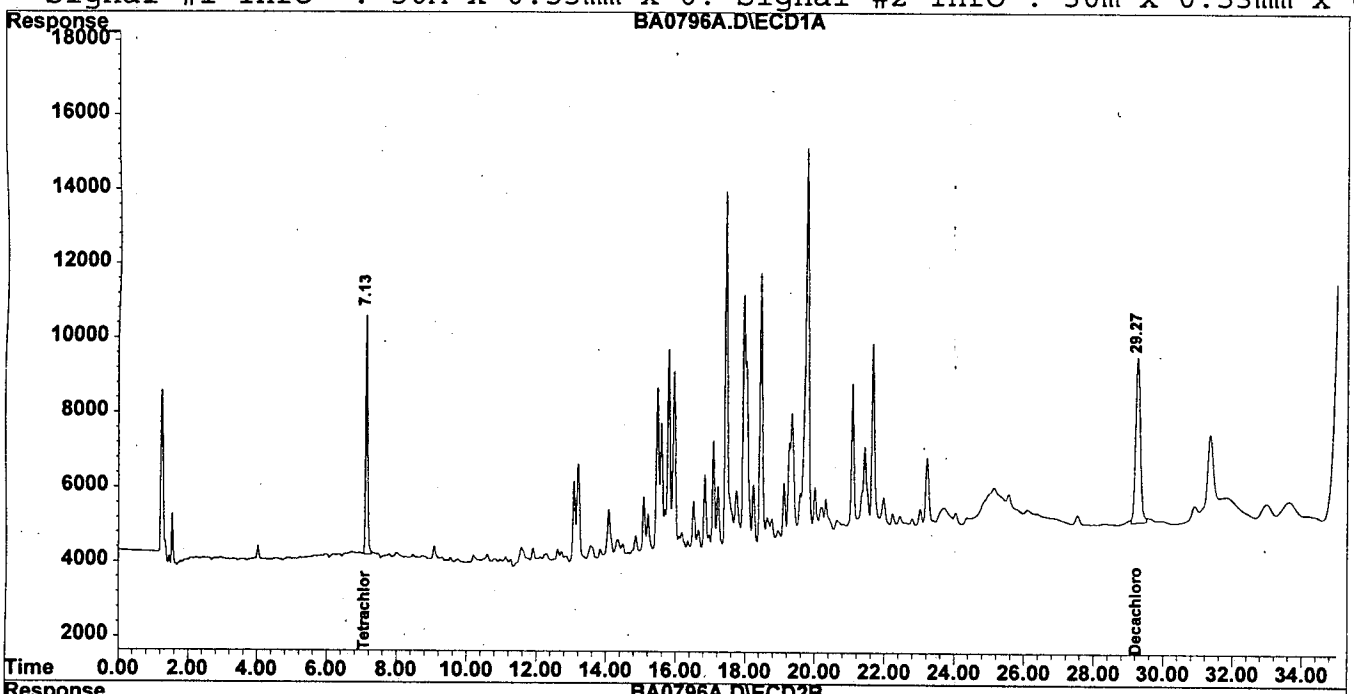
AMENDED REPORT MAY 3 0 1998

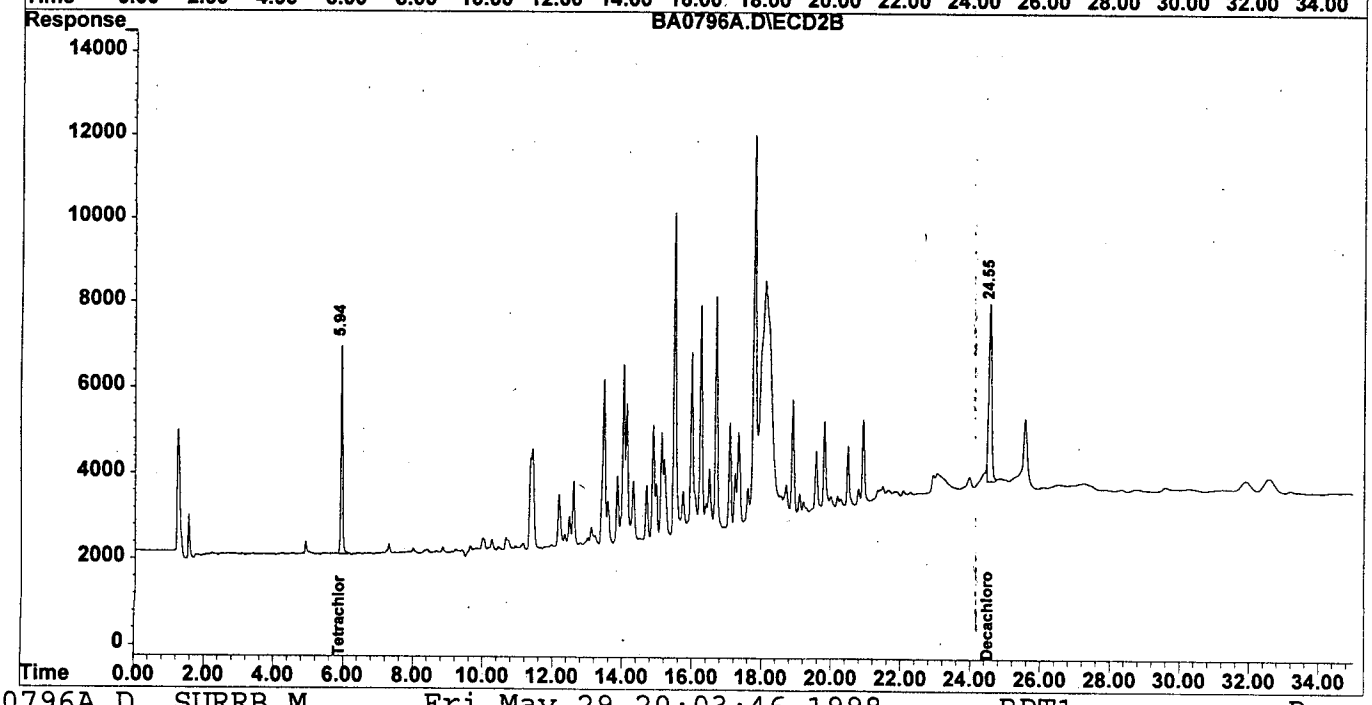
Signal #1 : E:\WESTDA~1\BA0796A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0796A.D\ECD2B.CH
Acq On : 9 Dec 97 8:56
Sample : 278170
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:21 1998 Quant Results File: SURRB.RES

Vial: 31
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278171
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	12.89%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	38	19
Aroclor-1221	U	U	76	54
Aroclor-1232	U	U	38	31
Aroclor-1242	U	U	38	19
Aroclor-1248	U J	U	38	23
Aroclor-1254	~~150~~ 160	U	38	27
Aroclor-1260	U	U	38	31

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:31 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.95	386714	253120	42.688	39.080	
Spiked Amount 40.000 Range 48 - 150 Recovery =					106.72%	97.70%	
2) SA Decachlorobiphen	29.27	24.55	621315	395735	41.287	44.375	
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.22%	110.94%	
Target Compounds							
4) L1 Aroclor-1016{2}	0.00	10.26	0	10380	N.D.	18.386	#
5) L1 Aroclor-1016{3}	11.91	0.00	26324	0	32.003	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.19	0	44754	N.D.	174.452	#
7) L1 Aroclor-1016{5}	13.20	14.04	67062	90318	205.378	612.409	#
Sum Aroclor-1016			93386	145452	237.381	805.197	
Average Aroclor-1016					118.691	268.399	
					NP	NP	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
13) L3 Aroclor-1232{2}	0.00	10.00	0	15955	N.D.	381.919	#
14) L3 Aroclor-1232{3}	0.00	11.37	0	42144	N.D.	505.920	#
15) L3 Aroclor-1232{4}	11.91	13.12	26324	26611	74.989	470.373	#
Sum Aroclor-1232			26324	84710	74.989	1358.212	
Average Aroclor-1232					74.989	452.737	
					NP	NP	
16) L4 Aroclor-1242{2}	0.00	10.00	0	15955	N.D.	207.873	#
17) L4 Aroclor-1242{4}	0.00	12.19	0	44754	N.D.	193.395	#
18) L4 Aroclor-1242{5}	14.09	0.00	30616	0	84.252	N.D.	#
Sum Aroclor-1242			30616	60709	84.252	401.268	
Average Aroclor-1242					84.252	200.634	
					NP	NP	
20) L5 Aroclor-1248{1}	0.00	10.26	0	10380	N.D.	24.921	#
21) L5 Aroclor-1248{2}	11.91	12.19	26324	44754	47.051	132.064	#
22) L5 Aroclor-1248{3}	13.20	12.49	67062	20968	162.253	66.242	#
23) L5 Aroclor-1248{4}	14.09	13.47	30616	110696	61.685	411.388	#
24) L5 Aroclor-1248{5}	0.00	15.49	0	219736	N.D.	1744.595	#
Sum Aroclor-1248			124002	406533	270.989	2379.209	
Average Aroclor-1248					90.330	475.842	
					NP	NP	

CC 364

TR 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:31 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
5)	L6 Aroclor-1254{1}	14.09	11.37	30616	42144	225.563	191.156	
26)	L6 Aroclor-1254{2}	15.48	13.47	102132	110696	277.020	264.333	
27)	L6 Aroclor-1254{3}	15.80	14.89	134863	84791	292.644	567.204	#
8)	L6 Aroclor-1254{4}	18.45	15.49	281747	219736	695.169	452.196	#
29)	L6 Aroclor-1254{5}	19.78	17.80	478824	322474	554.834	709.610	#
	Sum Aroclor-1254			1028182	779839	2045.229	2184.498	
	verage Aroclor-1254					409.046	436.900	
30)	L7 Aroclor-1260{1}	18.03	15.99	147528	156088	283.467	457.970	#
1)	L7 Aroclor-1260{2}	18.45	16.69	281747	159350	457.717	391.961	
2)	L7 Aroclor-1260{3}	20.01	17.80	56054	322474	122.849	625.262	#
33)	L7 Aroclor-1260{4}	21.08	19.81	92735	60790	199.028	97.085	#
34)	L7 Aroclor-1260{5}	21.67	20.93	140227	65257	108.777	138.156	#
	Sum Aroclor-1260			718292	763958	1171.837	1710.433	
	Average Aroclor-1260					234.367	342.087	

NP NP

GC 365

PCB 12/12/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0797.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0797.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:10 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.95	381278	247006	20.347	19.310	
Spiked Amount 40.000 Range 43 - 150 Recovery =					50.87%	48.28%	
2) SA Decachlorobiphen	29.27	24.55	621315	351393	28.174	37.829	#
Spiked Amount 40.000 Range 24 - 154 Recovery =					70.44%	94.57%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.09	11.37	42844	40979	315.753m	184.436	#
4) L6 Aroclor-1254{2}	15.48	13.47	94760	110297	247.041	263.170	
5) L6 Aroclor-1254{3}	15.80	14.89	122029	83763	231.834	558.675	#
6) L6 Aroclor-1254{4}	18.45	15.49	281697	209560	656.974	421.361	#
7) L6 Aroclor-1254{5}	19.78	17.80	478791	309490	551.327	645.889	
Sum Aroclor-1254			1020122	754088	2002.929	2073.532	
Average Aroclor-1254					400.586	414.706	

3 6 5A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0797A.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0797A.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:22 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95f	377745	248764	40.606m	41.168m
Spiked Amount 40.000 Range 43 - 150 Recovery =					101.52%	102.92%
2) SA Decachlorobiphen	29.27f	24.55f	634373	386432	42.006m	46.516m
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.02%	116.29%

Target Compounds

365B

5/31/98

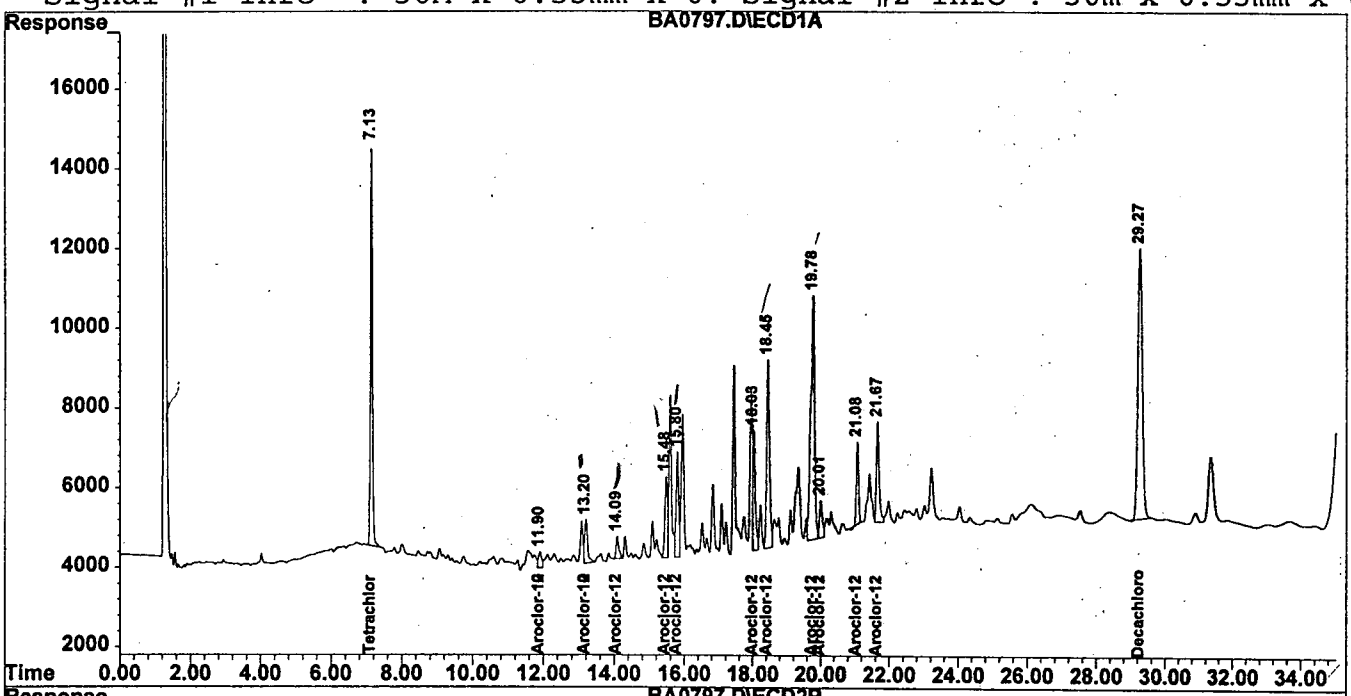
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

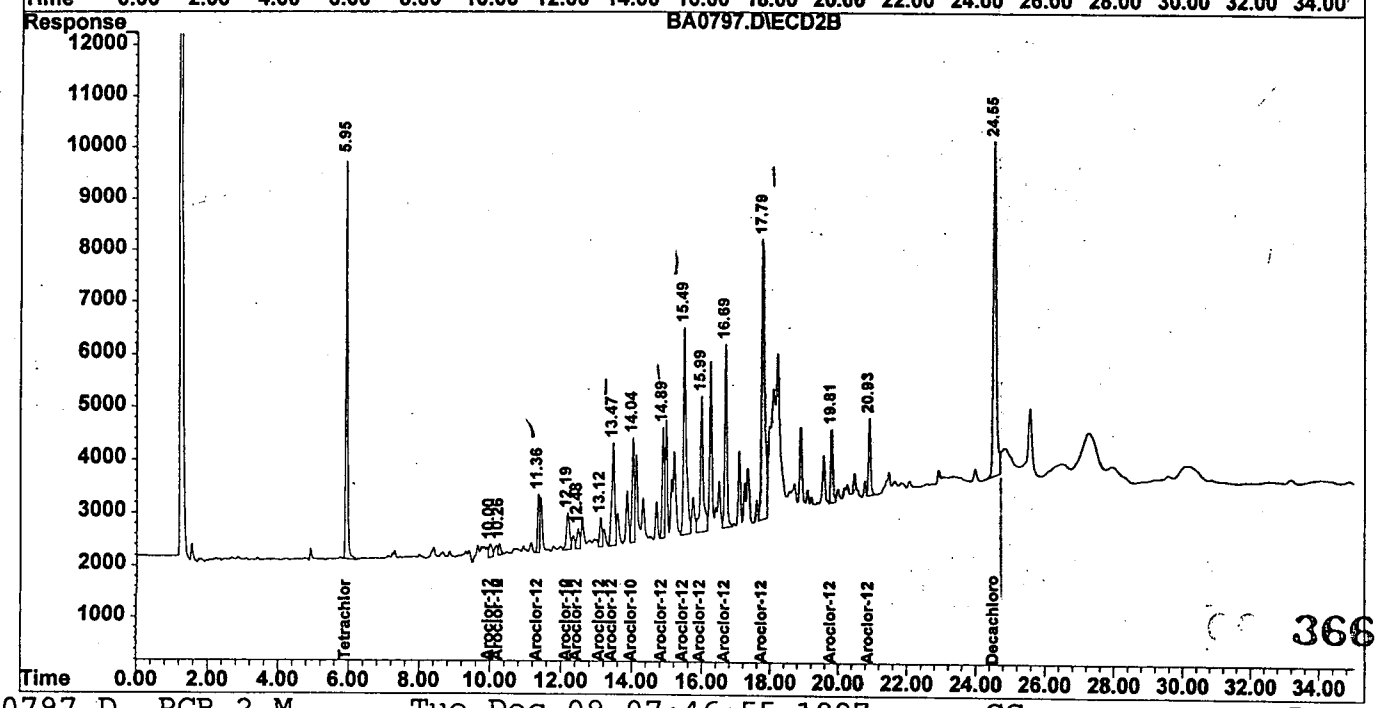
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_B\BA0797.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 7:31 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





366

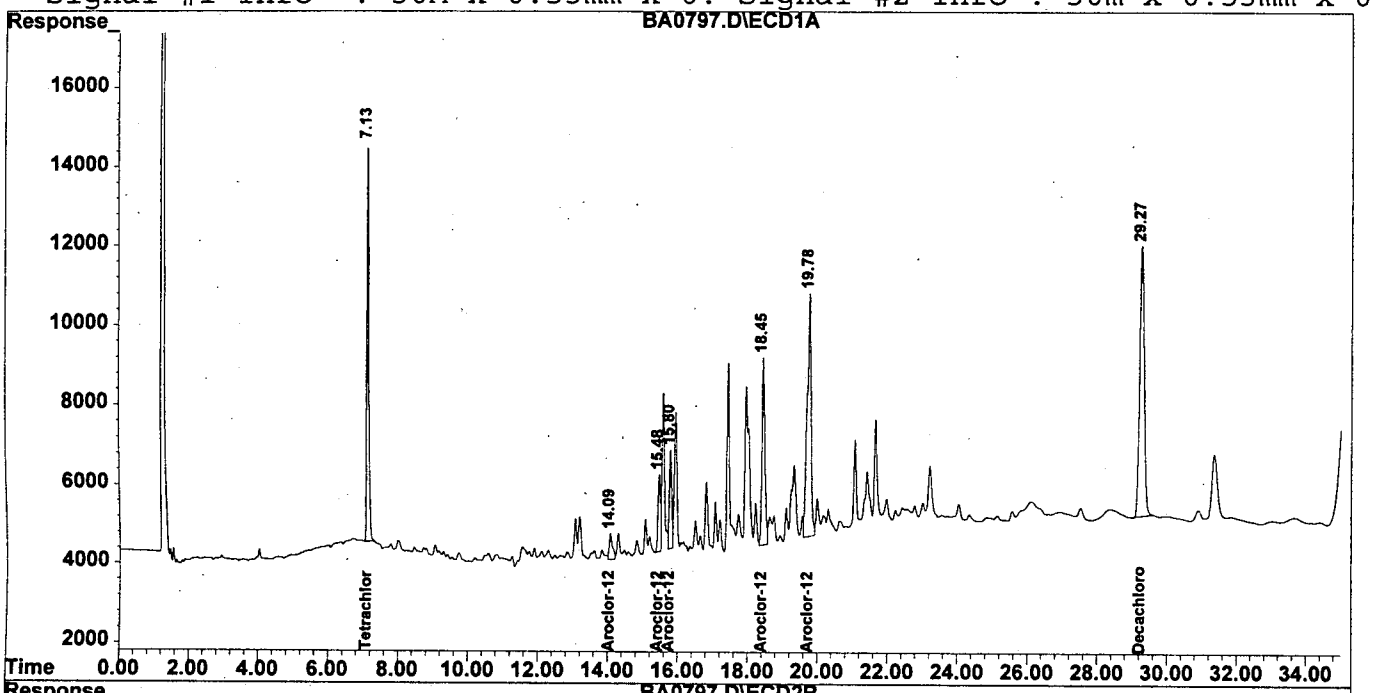
Quantitation Report

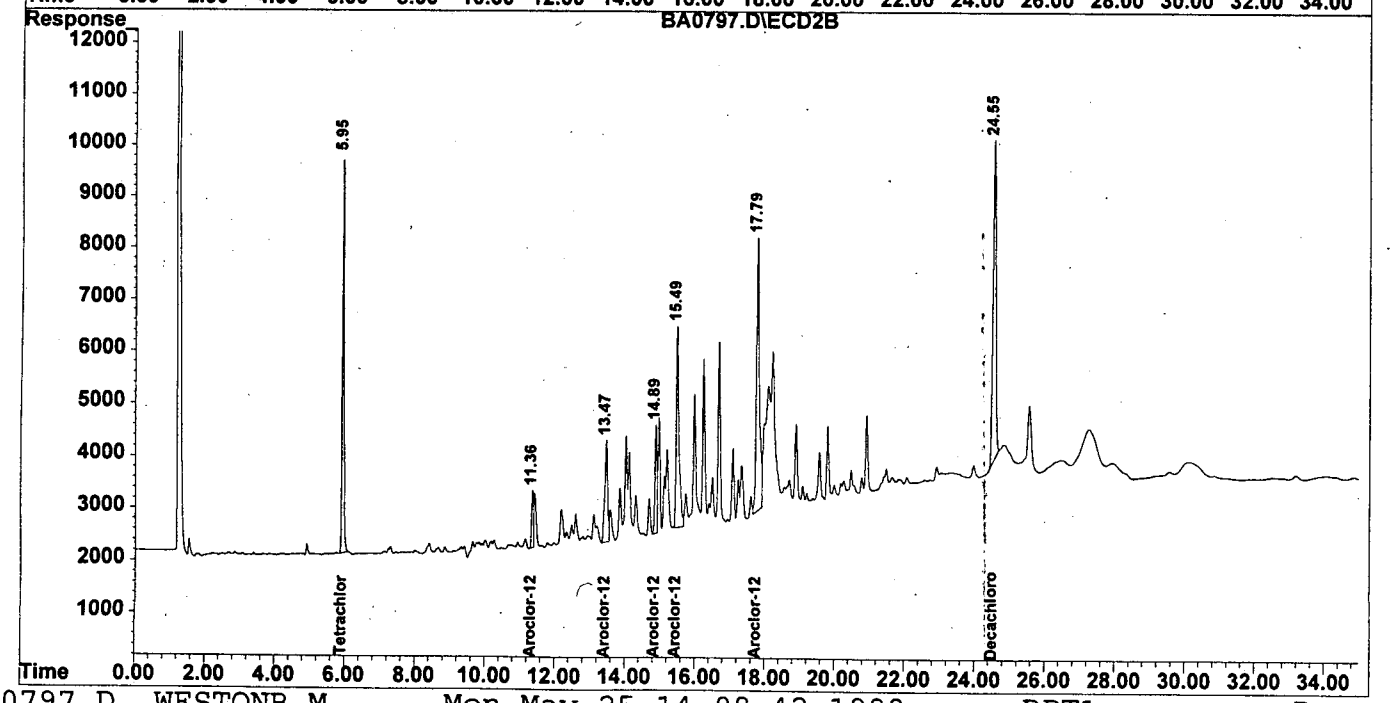
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0797.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0797.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:10 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





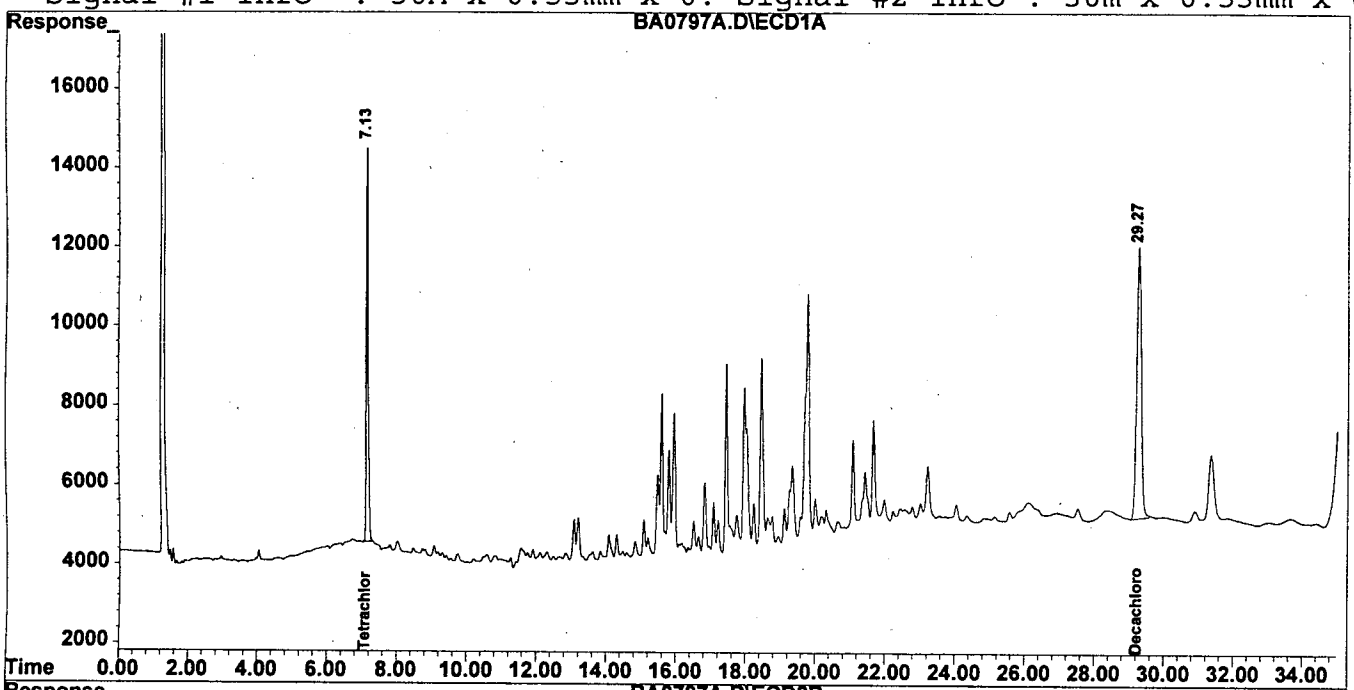
AMENDED REPORT MAY 3 0 1998

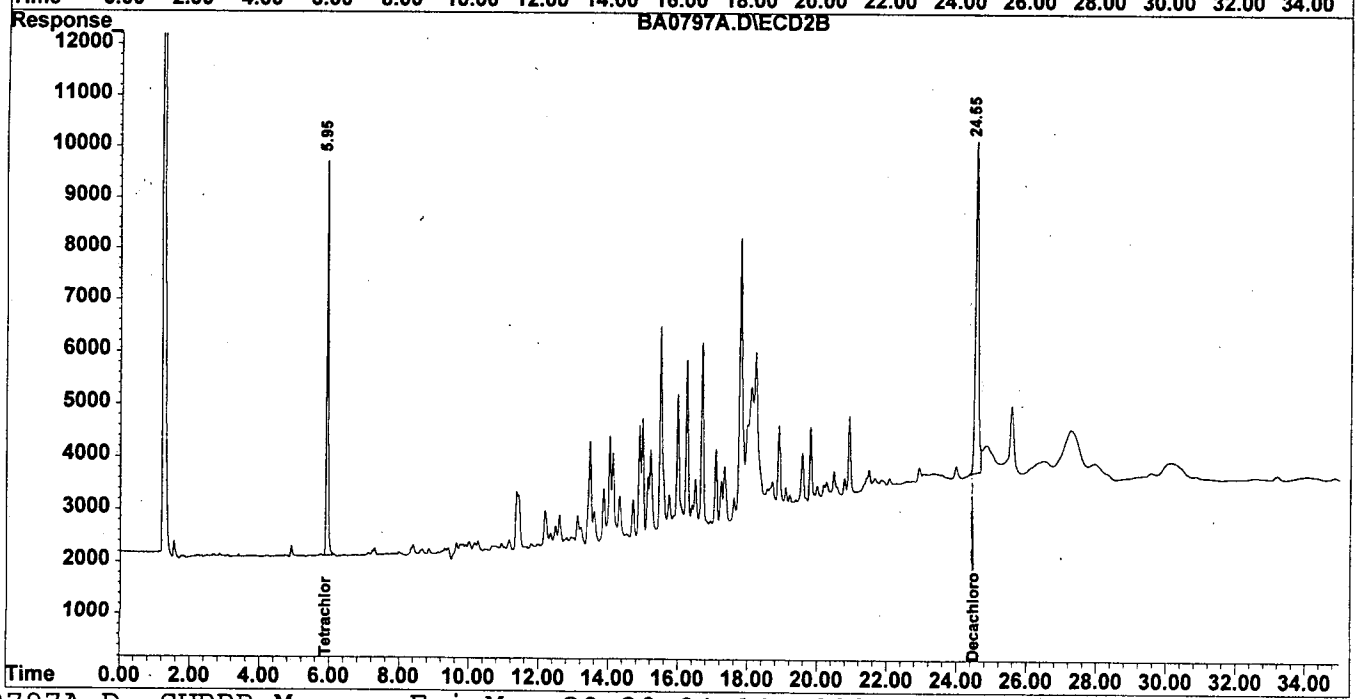
Quantitation Report

Signal #1 : E:\WESTDA~1\BA0797A.D\ECD1A.CH Vial: 32
Signal #2 : E:\WESTDA~1\BA0797A.D\ECD2B.CH
Acq On : 9 Dec 97 9:35 Operator:
Sample : 278171 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:22 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 2 6 1998

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278172
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	14.42%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	39	19
Aroclor-1221	U	U	78	54
Aroclor-1232	U	U	39	31
Aroclor-1242	U	U	39	19
Aroclor-1248	U J	U	39	23
Aroclor-1254	79	U	39	27
Aroclor-1260	U	U	39	31

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	349912	226980	38.626	35.044	
Spiked Amount 40.000 Range 43 - 150 Recovery =					96.56%	87.61%	
2) SA Decachlorobiphen	29.27	24.55	568319	318674	37.765	35.734	
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.41%	89.34%	
Target Compounds							
6) L1 Aroclor-1016{4}	0.00	12.21	0	12617	N.D.	49.183	#
7) L1 Aroclor-1016{5}	0.00	14.04	0	46757	N.D.	317.043	#
Sum Aroclor-1016			0	59375	N.D.	366.226	
Average Aroclor-1016					0.000	183.113	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
13) L3 Aroclor-1232{3}	0.00	11.37	0	20348	N.D.	244.270	#
14) L3 Aroclor-1232{4}	0.00	13.12	0	43366	N.D.	766.525	#
Sum Aroclor-1232			0	63714	N.D.	1010.795	
Average Aroclor-1232					0.000	505.397	
18) L4 Aroclor-1242{4}	12.85	12.21	12711	12617	73.791	54.523	#
19) L4 Aroclor-1242{5}	14.04	0.00	16286	0	44.818	N.D.	#
Sum Aroclor-1242			28997	12617	118.609	54.523	
Average Aroclor-1242					59.305	54.523	
21) L5 Aroclor-1248{2}	0.00	12.21	0	12617	N.D.	37.232	#
22) L5 Aroclor-1248{3}	0.00	12.48	0	9357	N.D.	29.560	#
23) L5 Aroclor-1248{4}	14.04	13.47	16286	54409	32.813	202.204	#
24) L5 Aroclor-1248{5}	0.00	15.50	0	93961	N.D.	746.006	#
Sum Aroclor-1248			16286	170344	32.813	1015.002	
Average Aroclor-1248					32.813	253.751	
25) L6 Aroclor-1254{1}	14.04	11.37	16286	20348	119.988	92.294	
26) L6 Aroclor-1254{2}	15.47	13.47	58818	54409	159.538	129.924	
27) L6 Aroclor-1254{3}	15.80	14.89	61703	44896	133.891	300.327	#
28) L6 Aroclor-1254{4}	18.45	15.50	148799	93961	367.139	193.364	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
29) L6	Aroclor-1254{5}	19.78	17.80	254909	185707	295.374	408.652	#
Sum	Aroclor-1254			540516	399320	1075.929	1124.562	
Average	Aroclor-1254					215.186	224.912	
30) L7	Aroclor-1260{1}	18.04	15.99	86788	78072	166.759	229.068	#
31) L7	Aroclor-1260{2}	18.45	16.69	148799	90740	241.734	223.198	
32) L7	Aroclor-1260{3}	20.01	17.80	24190	185707	53.014	360.077	#
33) L7	Aroclor-1260{4}	21.08	19.81	56490	32259	121.238	51.519	#
34) L7	Aroclor-1260{5}	21.67	20.93	86187	30664	66.857	64.919	
Sum	Aroclor-1260			402453	417442	649.602	928.782	
Average	Aroclor-1260					129.920	185.756	

np np

369

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0798.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0798.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:11 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	348550	224478	18.600	17.549
Spiked Amount 40.000 Range 43 - 150 Recovery =					46.50%	43.87%
2) SA Decachlorobiphen	29.27	24.55	568319	318000	25.771	34.234 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.43%	85.58%
Target Compounds						
3) L6 Aroclor-1254{1}	14.04	11.36	24378	12400	179.662m	55.810m#
4) L6 Aroclor-1254{2}	15.47	13.47	52462	55254	136.768	131.837m
5) L6 Aroclor-1254{3}	15.80	14.89	48619	44035	92.367	293.701 #
6) L6 Aroclor-1254{4}	18.45	15.50	138804	81144	323.718	163.157 #
7) L6 Aroclor-1254{5}	19.78	17.80	259150	174718	298.411	364.627
Sum Aroclor-1254			523412	367551	1030.925	1009.132
Average Aroclor-1254					206.185	201.826

369A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0798A.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0798A.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:22 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94f	344472	228865	37.029m	37.874m
Spiked Amount 40.000 Range 43 - 150 Recovery =					92.57%	94.69%
2) SA Decachlorobiphen	29.27f	24.55f	550817	328913	36.473m	39.592m
Spiked Amount 40.000 Range 24 - 154 Recovery =					91.18%	98.98%
Target Compounds						

3690

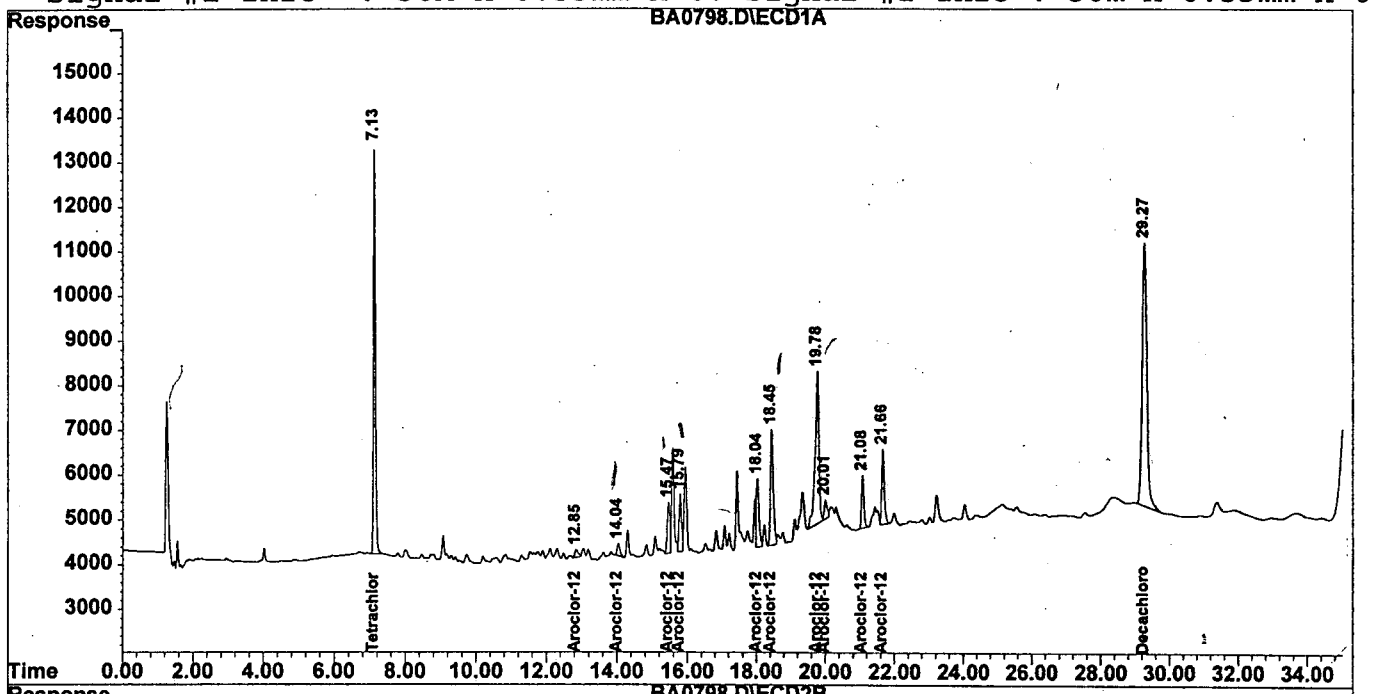
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

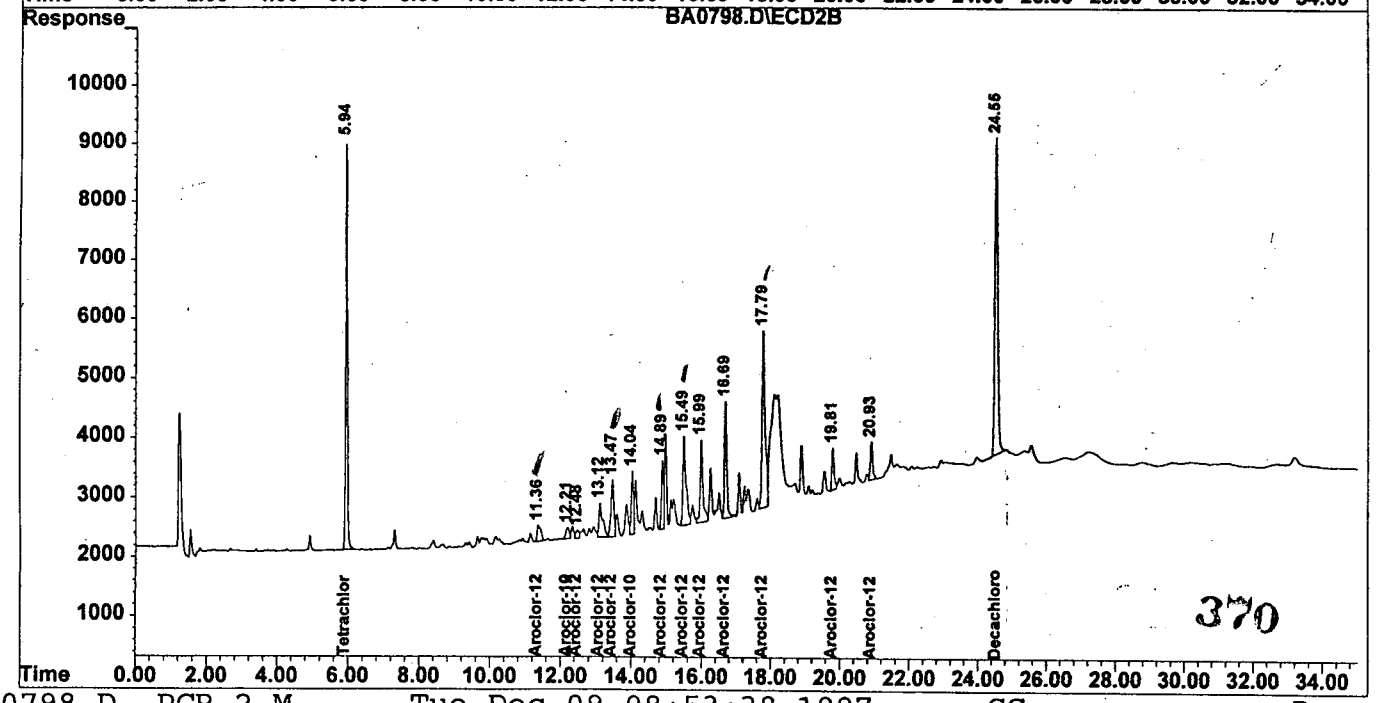
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_B\BA0798.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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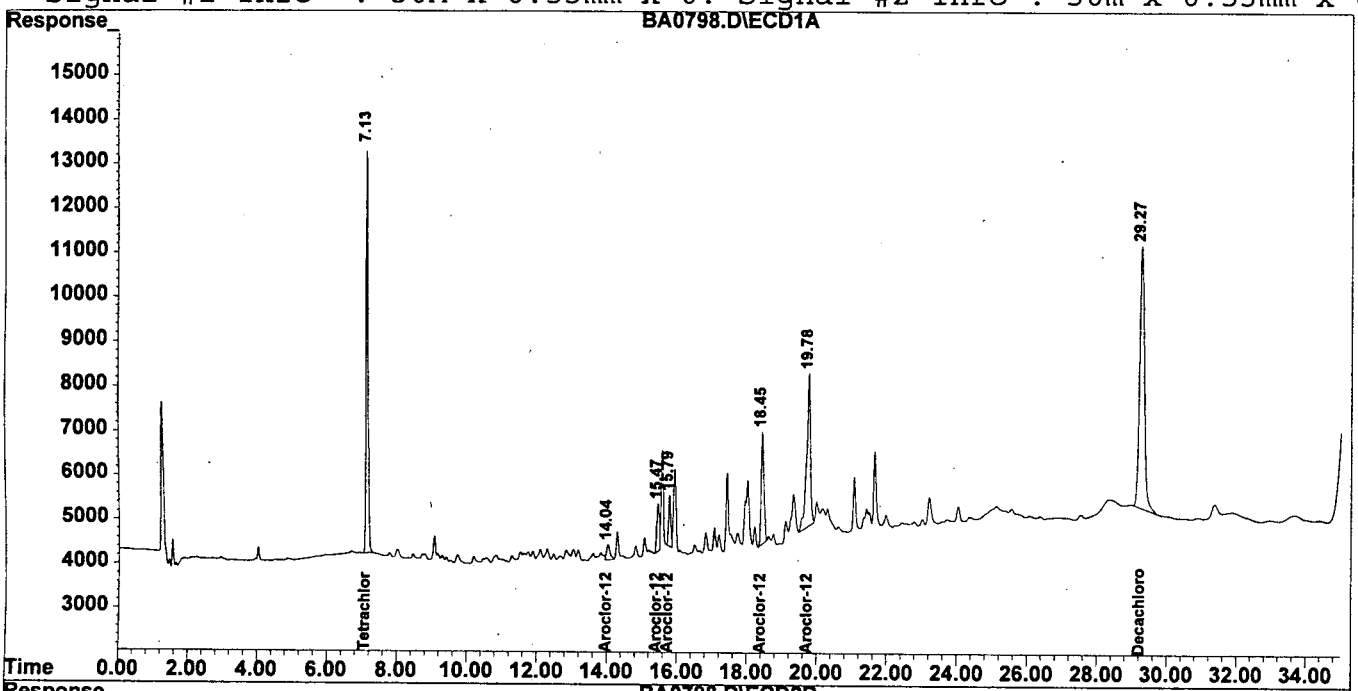
Quantitation Report

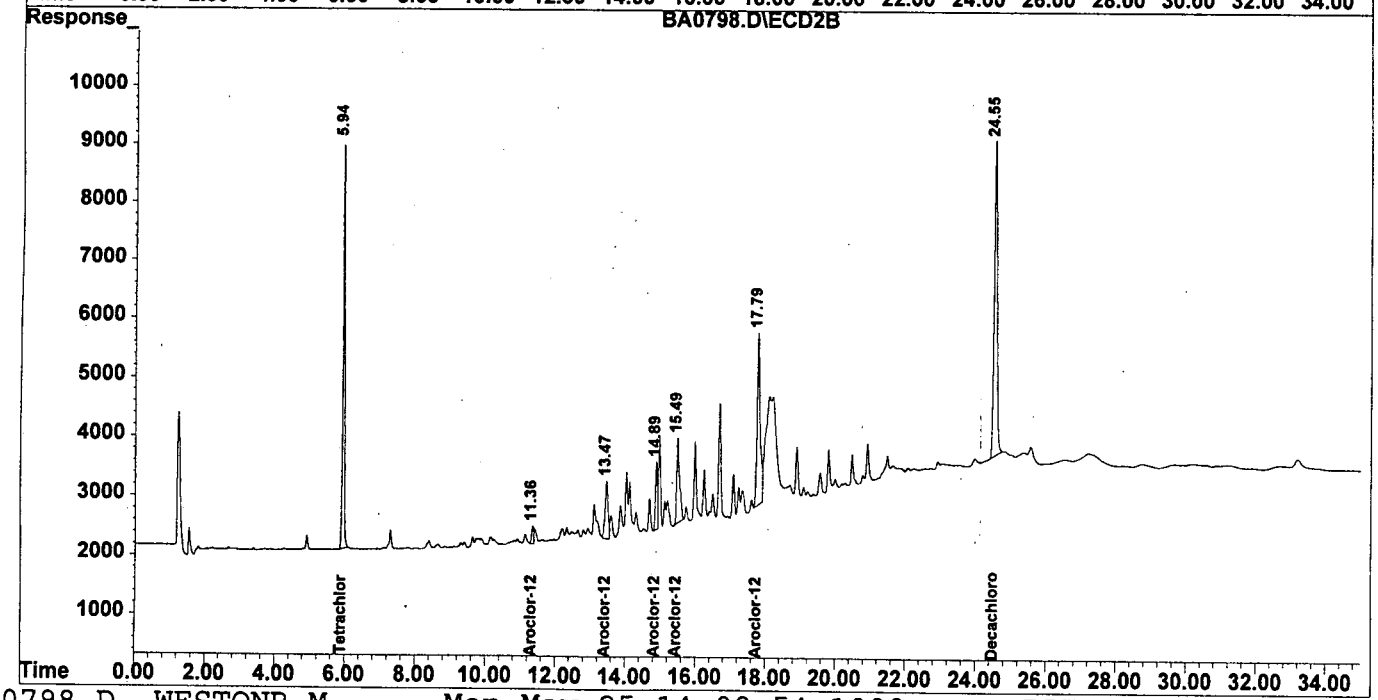
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0798.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0798.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:11 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





370A

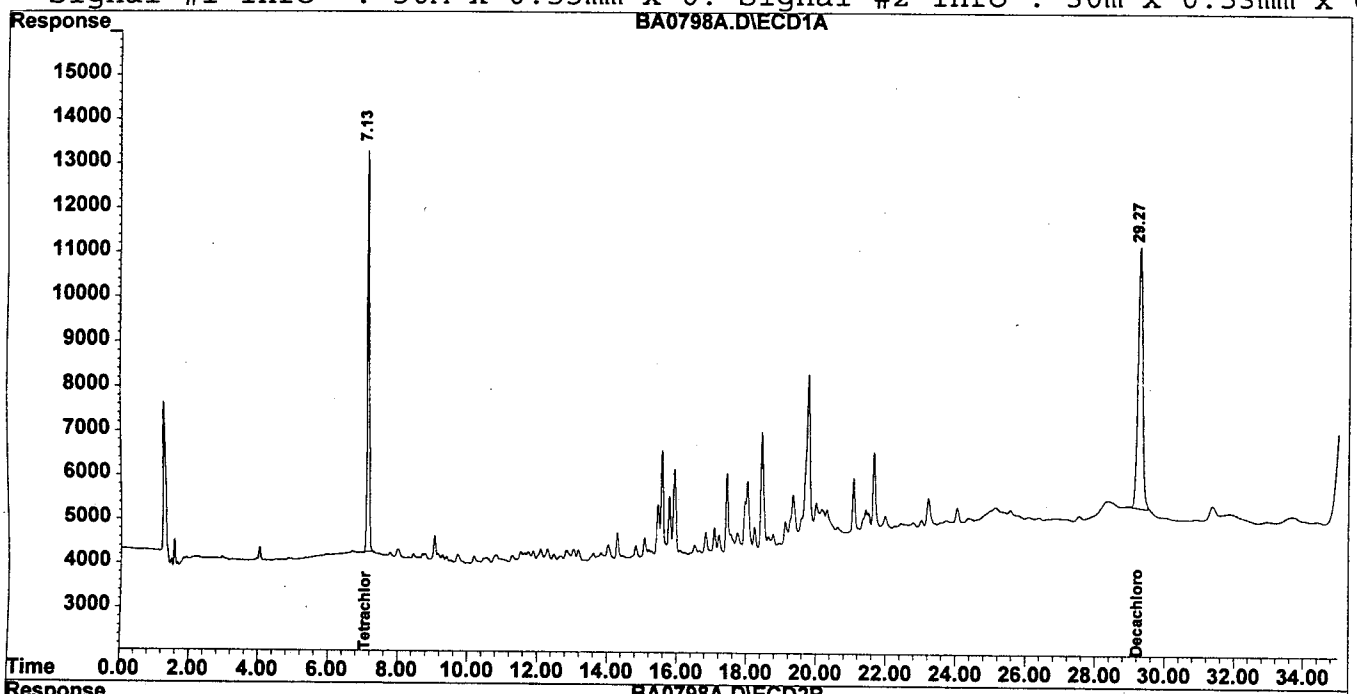
Quantitation Report

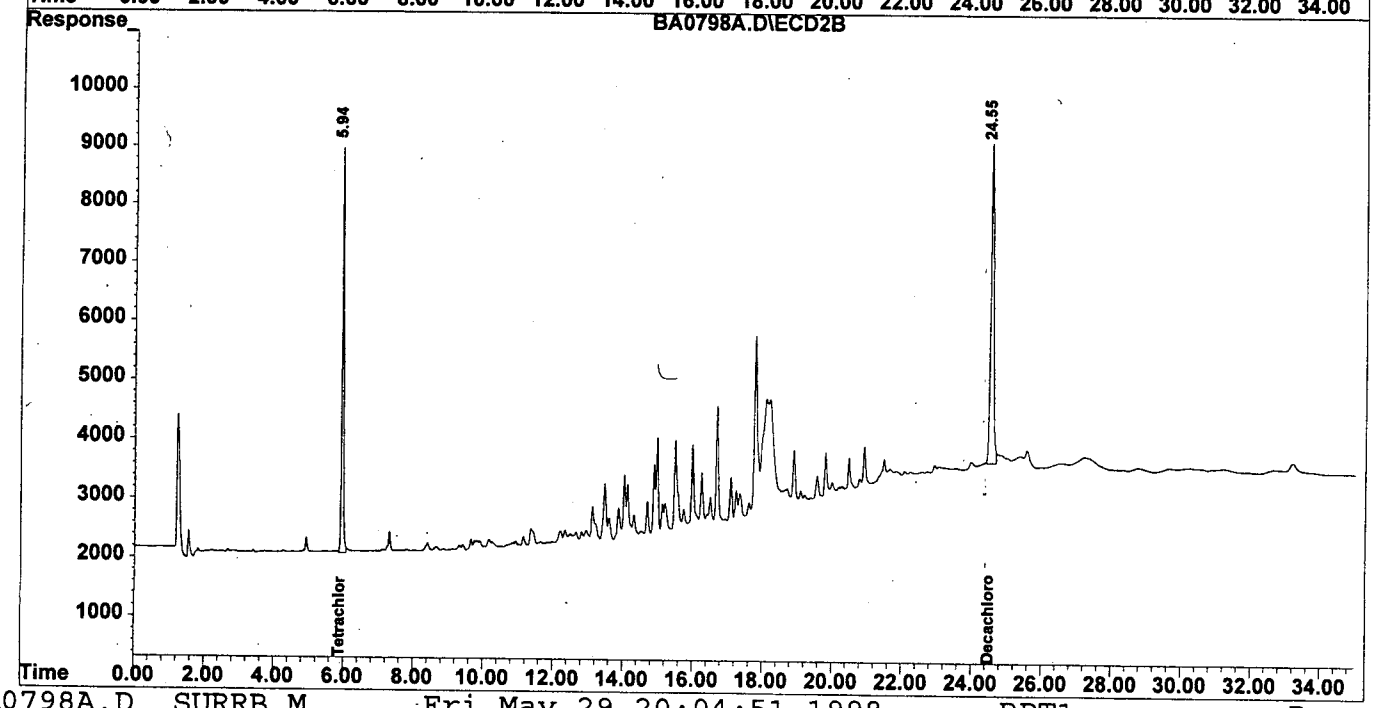
AMENDED REPORT **MAY 3 0 1998**

Signal #1 : E:\WESTDA~1\BA0798A.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\BA0798A.D\ECD2B.CH
Acq On : 9 Dec 97 10:13 Operator:
Sample : 278172 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:22 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278173
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	8.66%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	36	18
Aroclor-1221	U	U	73	51
Aroclor-1232	U	U	36	29
Aroclor-1242	U	U	36	18
Aroclor-1248	U J	U	36	22
Aroclor-1254	U	U	36	26
Aroclor-1260	U	U	36	29

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0799.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA_B\BA0799.D\ECD2B.CH
Acq On : 9 Dec 97 10:52 Operator:
Sample : 278173 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	345382	225965	38.126	34.887
Spiked Amount 40.000 Range 43 - 150 Recovery =					95.32%	87.22%
2) SA Decachlorobiphen	29.28	24.55	542380	310322	36.041	34.798
Spiked Amount 40.000 Range 24 - 154 Recovery =					90.10%	87.00%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
24) L5 Aroclor-1248{5}	0.00	15.50	0	8052	N.D.	63.933 #
Sum Aroclor-1248			0	8052	N.D.	63.933
Average Aroclor-1248					0.000	63.933
28) L6 Aroclor-1254{4}	18.45	15.50	11715	8052	28.904	16.571 #
29) L6 Aroclor-1254{5}	19.79	17.80	15411	10788	17.857	23.740 #
Sum Aroclor-1254			27125	18841	46.761	40.312
Average Aroclor-1254					23.381	20.156
30) L7 Aroclor-1260{1}	0.00	15.99	0	5831	N.D.	17.108 #
31) L7 Aroclor-1260{2}	18.45	16.70	11715	6404	19.031	15.753
32) L7 Aroclor-1260{3}	0.00	17.80	0	10788	N.D.	20.918 #
Sum Aroclor-1260			11715	23024	19.031	53.780
Average Aroclor-1260					19.031	17.927

372

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0799.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDA~1\BA0799.D\ECD2B.CH
Acq On : 9 Dec 97 10:52 Operator:
Sample : 278173 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 14:13 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	344896	223644	18.405	17.484
Spiked Amount 40.000 Range 43 - 150 Recovery =					46.01%	43.71%
2) SA Decachlorobiphen	29.28	24.55	541974	312555	24.576	33.648 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					61.44%	84.12%
Target Compounds						
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

372A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0799A.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDA~1\BA0799A.D\ECD2B.CH
Acq On : 9 Dec 97 10:52 Operator:
Sample : 278173 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:23 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95f	340671	228659	36.621m	37.840m
Spiked Amount 40.000 Range 43 - 150 Recovery =					91.55%	94.60%
2) SA Decachlorobiphen	29.28f	24.55f	552856	336733	36.608m	40.533m
Spiked Amount 40.000 Range 24 - 154 Recovery =					91.52%	101.33%

Target Compounds

372B

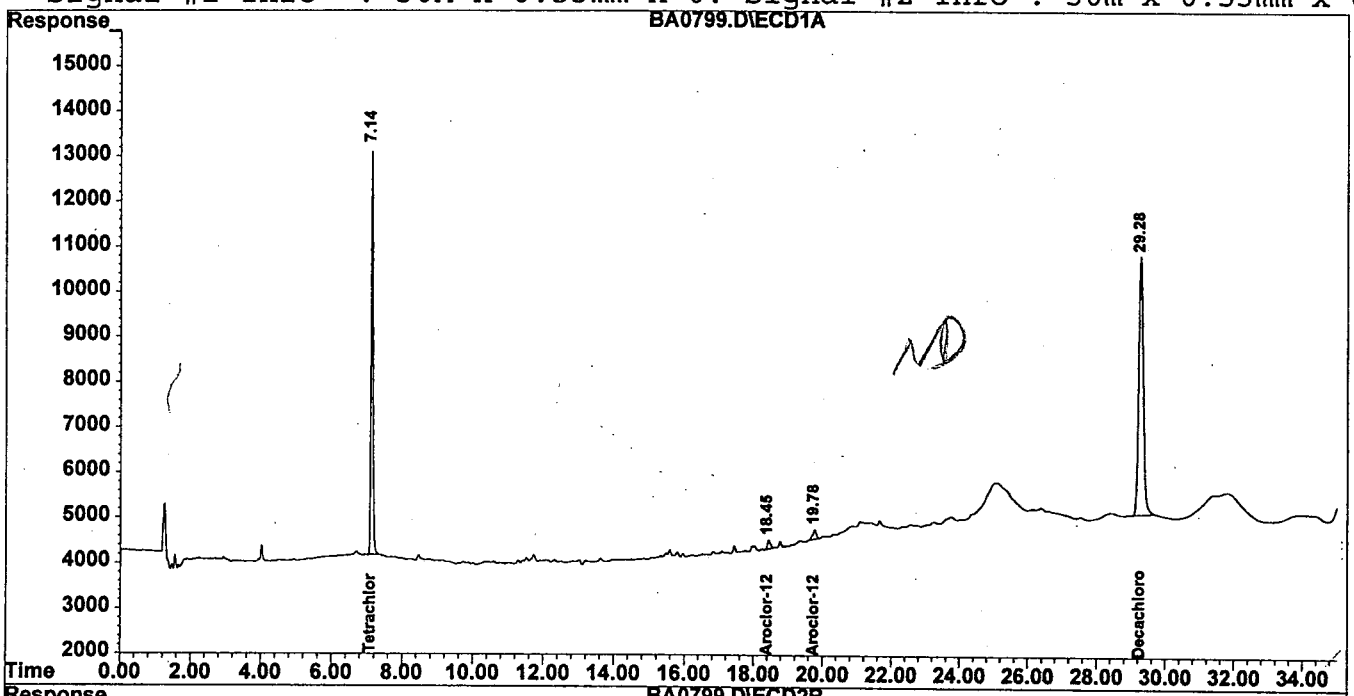
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

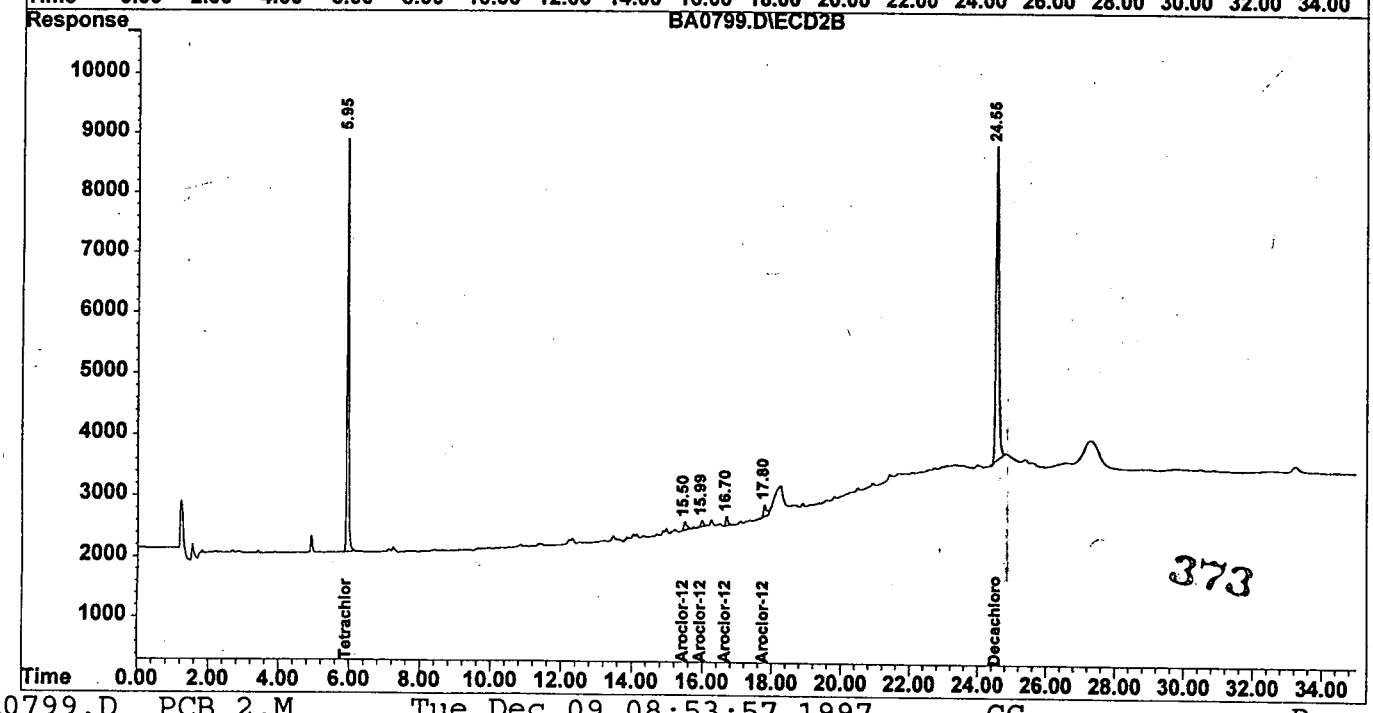
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0799.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA_B\BA0799.D\ECD2B.CH
Acq On : 9 Dec 97 10:52 Operator:
Sample : 278173 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 8:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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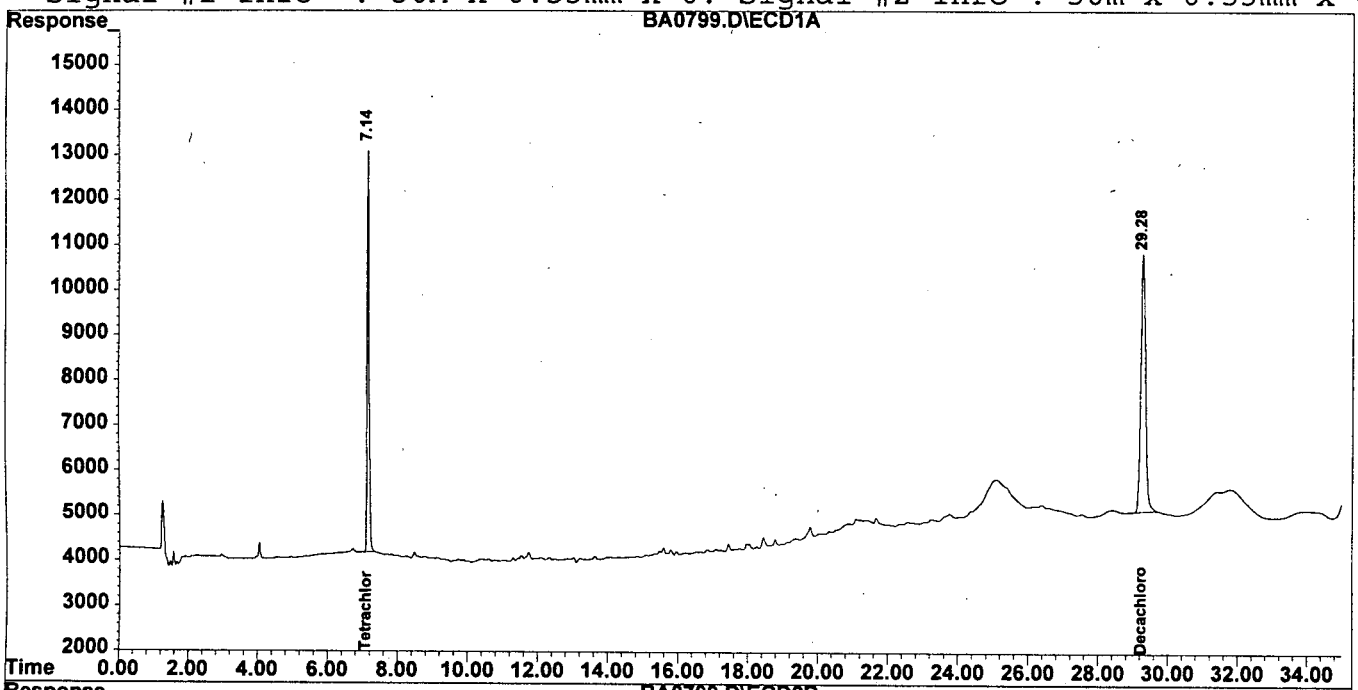
Quantitation Report

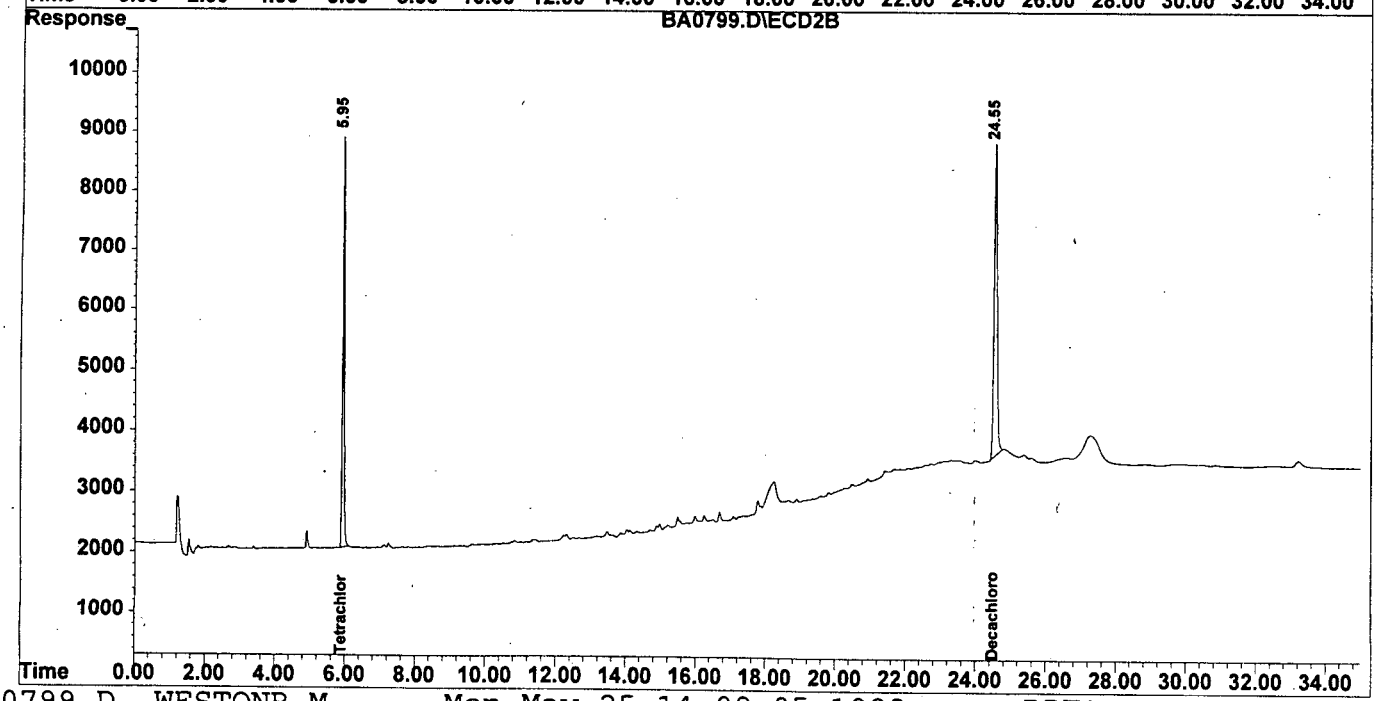
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0799.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDA~1\BA0799.D\ECD2B.CH
Acq On : 9 Dec 97 10:52 Operator:
Sample : 278173 Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 14:13 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





3 7 3A

Quantitation Report

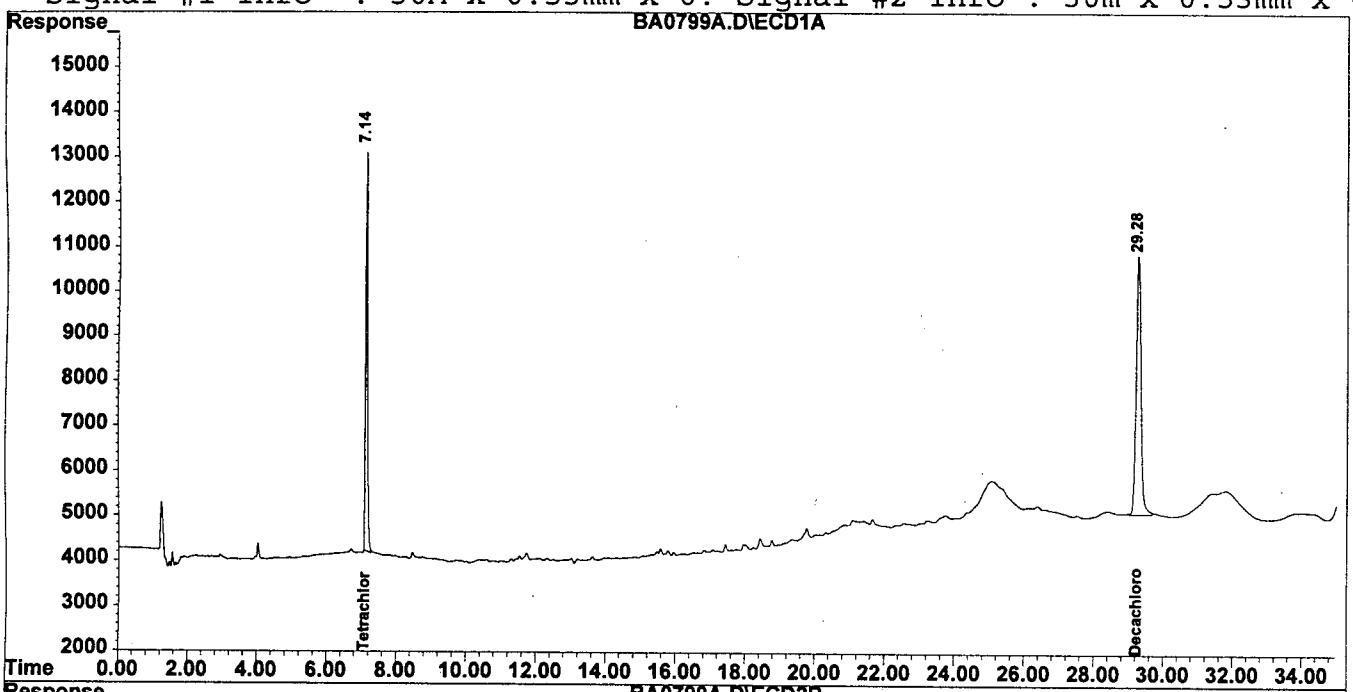
AMENDED REPORT MAY 3 0 1998

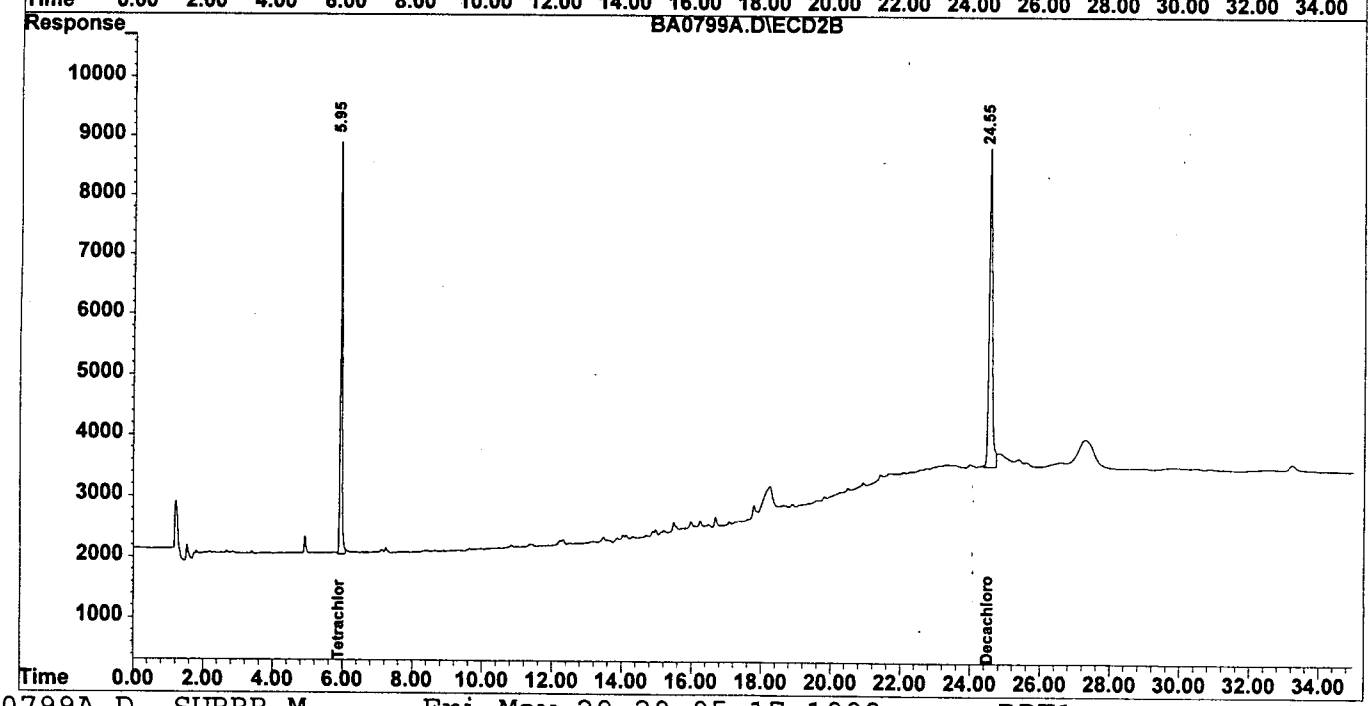
Signal #1 : E:\WESTDA~1\BA0799A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0799A.D\ECD2B.CH
Acq On : 9 Dec 97 10:52
Sample : 278173
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:23 1998 Quant Results File: SURRB.RES

Vial: 34
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278174
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIINS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	~~62.32%~~

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	88	44
Aroclor-1221	U	U	180	120
Aroclor-1232	U	U	88	71
Aroclor-1242	U	U	88	44
Aroclor-1248	U	U	88	53
Aroclor-1254	2900 ~~2800~~	U	88	62
Aroclor-1260	U	U	88	71

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	359486	245114	39.682	37.844	
Spiked Amount 40.000 Range 43 - 150 Recovery =					99.21%	94.61%	
2) SA Decachlorobiphen	28.99	24.37	553926	353995	36.809	39.695	
Spiked Amount 40.000 Range 24 - 154 Recovery =					92.02%	99.24%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	0.00	26250	0	123.320	N.D.	#
4) L1 Aroclor-1016{2}	10.57	0.00	50332	0	106.752	N.D.	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	547656	N.D.	3713.426	#
Sum Aroclor-1016			76582	547656	230.072	3713.426	
Average Aroclor-1016					115.036	3713.426	
					NP	NP	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.81	0	34286	N.D.	236.913	#
12) L3 Aroclor-1232{2}	0.00	9.98	0	120941	N.D.	2895.027	#
13) L3 Aroclor-1232{3}	10.57	11.36	50332	490059	231.893	5882.986	#
14) L3 Aroclor-1232{4}	11.88	13.15	104061	38966	296.442	688.753	#
Sum Aroclor-1232			154393	684252	528.335	9703.680	
Average Aroclor-1232					264.168	2425.920	
					NP	NP	
15) L4 Aroclor-1242{1}	0.00	8.81	0	34286	N.D.	137.206	#
16) L4 Aroclor-1242{2}	10.57	9.98	50332	120941	137.262	1575.719	#
17) L4 Aroclor-1242{3}	11.27	10.97	33511	15086	302.270	93.525	#
19) L4 Aroclor-1242{5}	14.04	14.25	380387	428142	1046.773	4790.390	#
Sum Aroclor-1242			464230	598455	1486.305	6596.841	
Average Aroclor-1242					495.435	1649.210	
					NP	NP	
20) L5 Aroclor-1248{1}	10.57	10.21	50332	77736	259.447	186.637	#
21) L5 Aroclor-1248{2}	11.88	12.13	104061	368280	185.998	1086.755	#
22) L5 Aroclor-1248{3}	13.16	12.54	704920	1137541	1705.514	3593.668	#
23) L5 Aroclor-1248{4}	14.04	13.53	380387	231094	766.389	858.832	
24) L5 Aroclor-1248{5}	16.12	0.00	149016	0	395.253	N.D.	#
Sum Aroclor-1248			1388715	1814651	3312.602	5725.892	
Average Aroclor-1248					662.520	1431.473	
					NP	NP	

TPS 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L6	Aroclor-1254{1}	14.04	11.31	380387	320665	2802.448	1454.475	#
26) L6	Aroclor-1254{2}	15.41	13.41	1524959	942001	4136.266	2249.423	#
27) L6	Aroclor-1254{3}	15.74	14.82	1117159	769203	2424.155	5145.556	#
28) L6	Aroclor-1254{4}	18.37	15.42	1563939	1766177	3858.791	3634.634	
29) L6	Aroclor-1254{5}	19.69	17.70	3002388	1937752	3478.995	4264.064	
Sum	Aroclor-1254			7588832	5735798	16700.655	16748.153	
Average	Aroclor-1254					3340.131	3349.631	
Sum	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

TPS 12/16/97

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TPS 12/16/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0811.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDA~1\BA0811.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:21 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	361155	238879	19.273	18.675
Spiked Amount 40.000 Range 43 - 150 Recovery =					48.18%	46.69%
2) SA Decachlorobiphen	28.99	24.37	553926	351984	25.118	37.892 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					62.80%	94.73%
Target Compounds						
3) L6 Aroclor-1254{1}	14.04	11.31	386972	308696	2851.917m	1389.374 #
4) L6 Aroclor-1254{2}	15.41	13.41	1503953	928222	3920.815	2214.756 #
5) L6 Aroclor-1254{3}	15.74	14.82	1102178	756368	2093.949	5044.780 #
6) L6 Aroclor-1254{4}	18.37	15.42	1549705	1746095	3614.220	3510.869
7) L6 Aroclor-1254{5}	19.69	17.70	2990239	1929207	3443.255	4026.147
Sum Aroclor-1254			7533048	5668589	15924.156	16185.926
Average Aroclor-1254					3184.831	3237.185

376A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0811A.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDA~1\BA0811A.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:41 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	361155	238879	38.823	39.532
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.06%	98.83%
2) SA Decachlorobiphen	28.99f	24.37f	582653	373162	38.581m	44.918m
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.45%	112.30%
Target Compounds						

3 7 6B

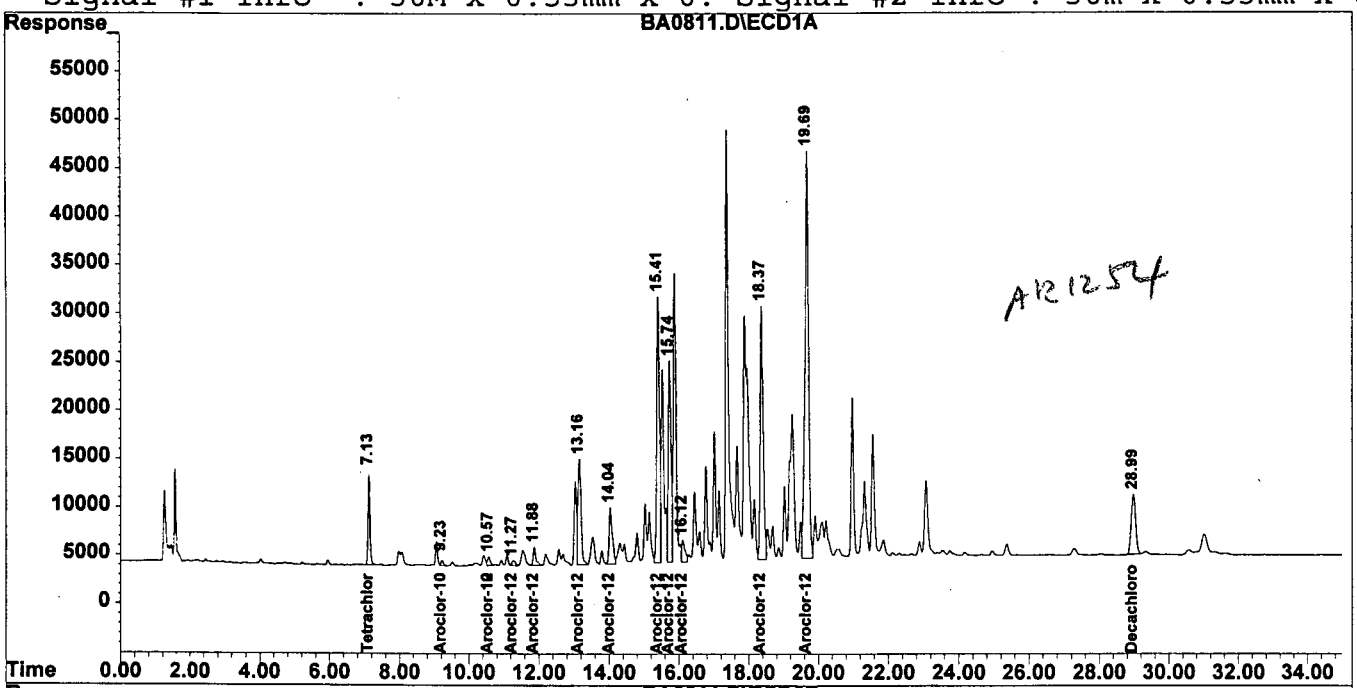
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

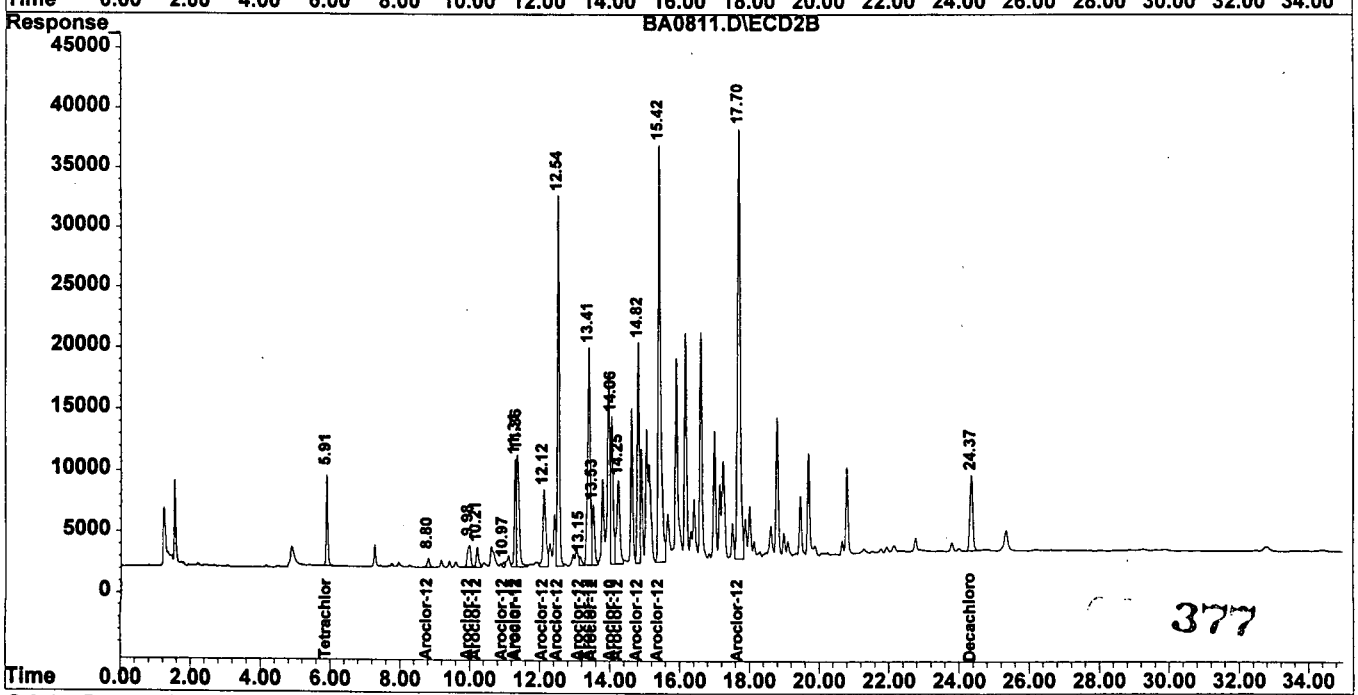
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0811.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





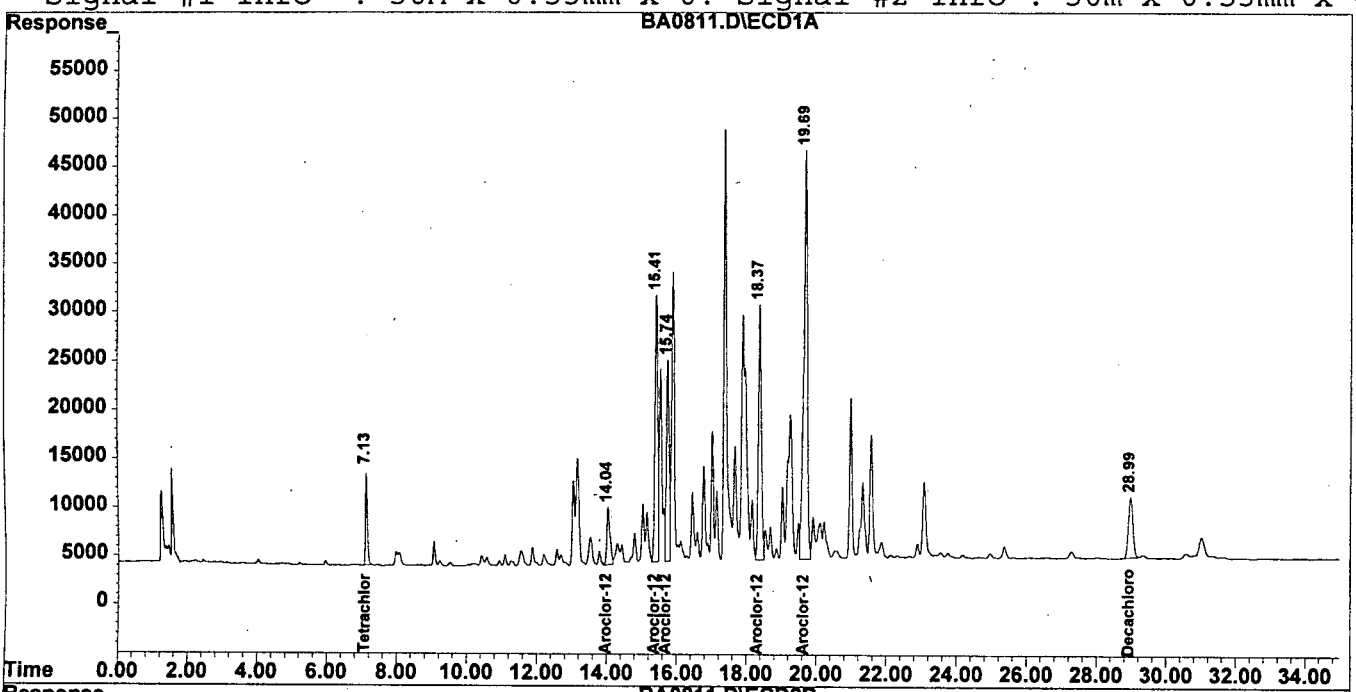
Quantitation Report

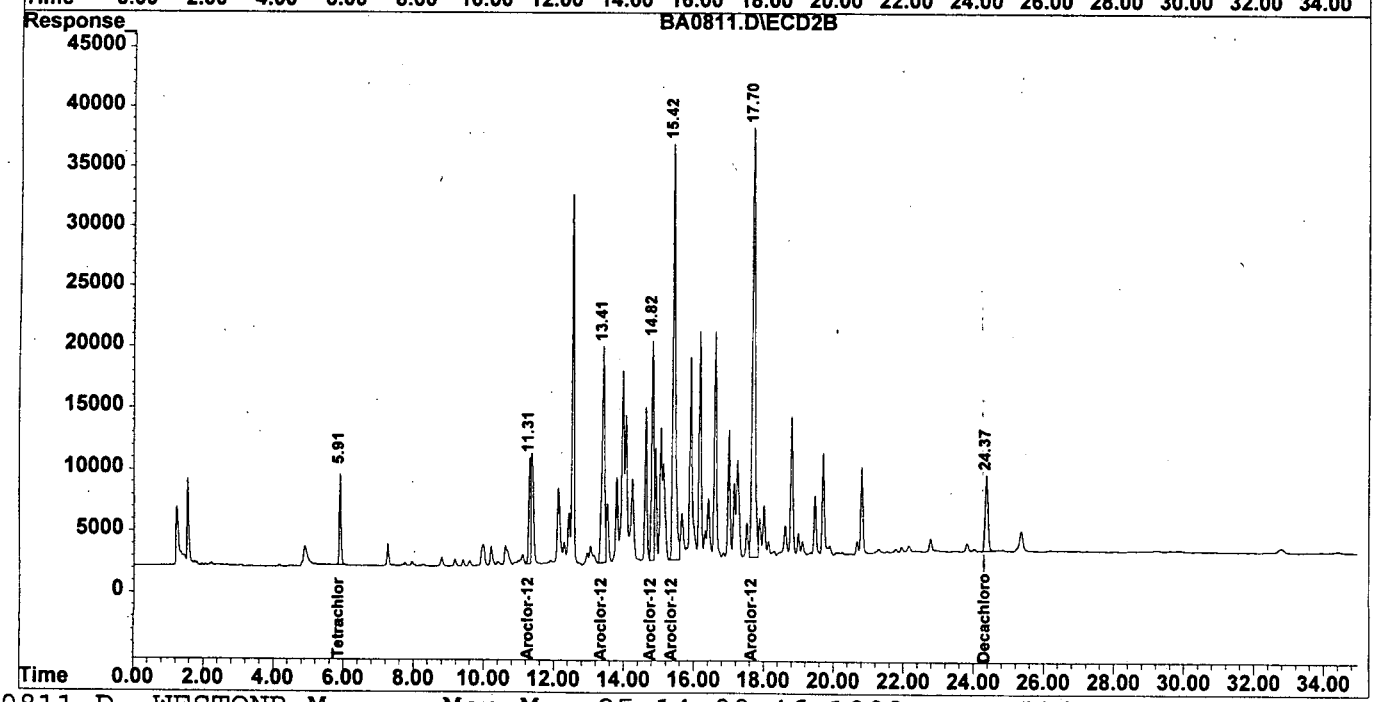
AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0811.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDA~1\BA0811.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:21 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





377A

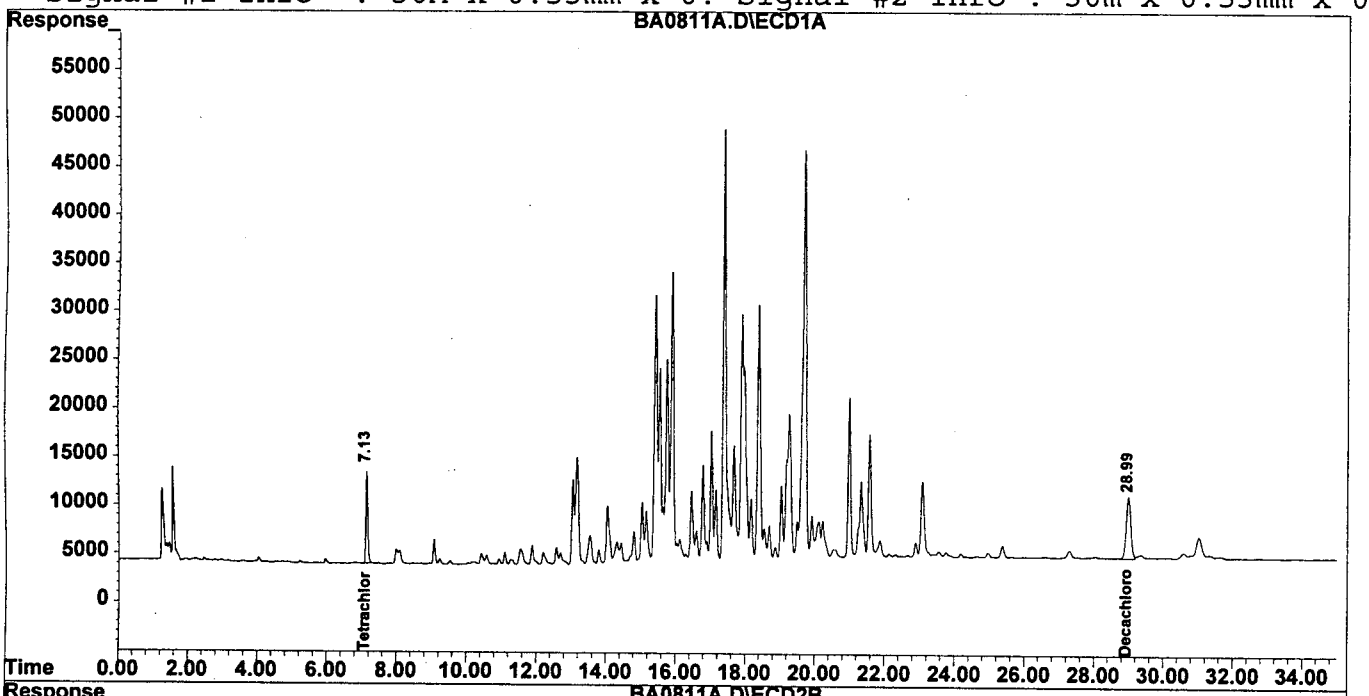
Quantitation Report

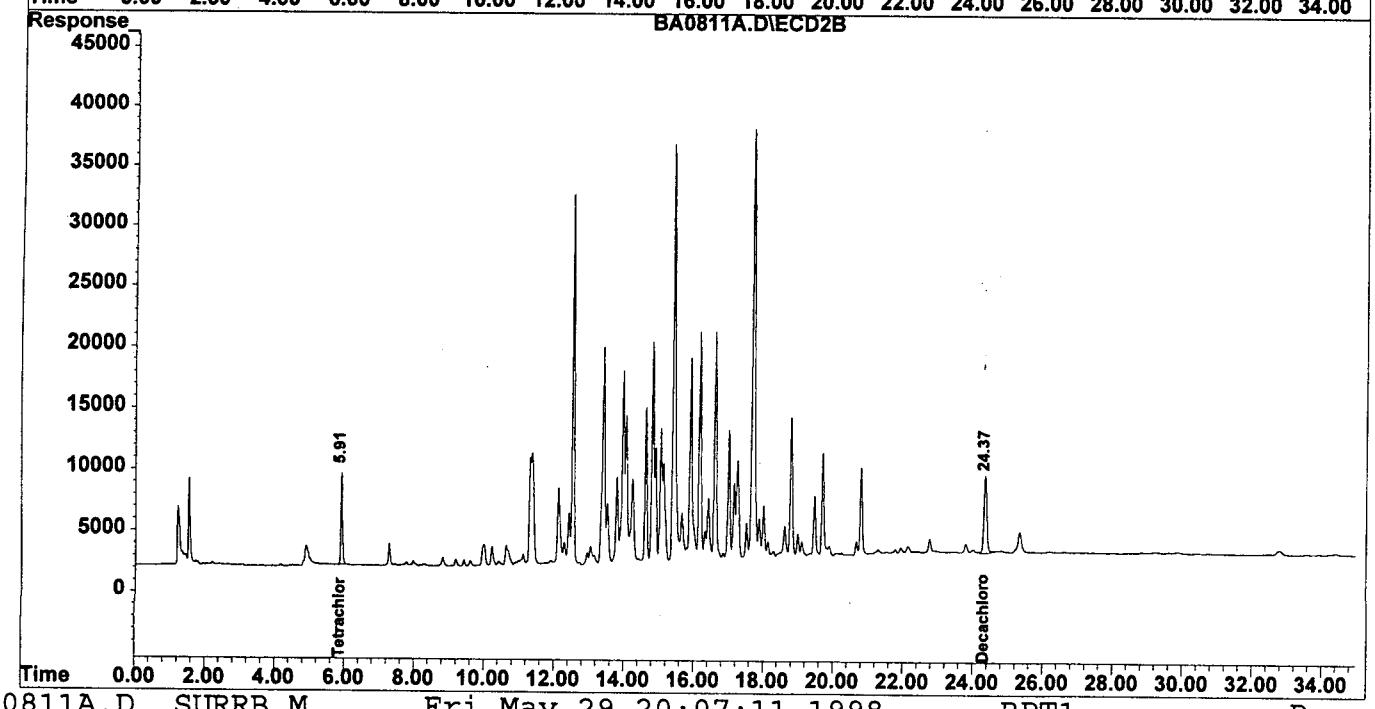
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0811A.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDA~1\BA0811A.D\ECD2B.CH
Acq On : 9 Dec 97 23:45 Operator:
Sample : 278174 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:41 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278175
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIINS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	43.17%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	590	290
Aroclor-1221	U	U	1200	820
Aroclor-1232	U	U	590	470
Aroclor-1242	U	U	590	290
Aroclor-1248	U	U	590	350
Aroclor-1254	~~6800~~ J 5400	U	590	410
Aroclor-1260	U	U	590	470

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36528	25445	4.032	3.929
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.08%#	9.82%#
2) SA Decachlorobiphen	29.12	24.46	62515	39428	4.154	4.421
Spiked Amount 40.000 Range 24 - 154 Recovery =					10.39%#	11.05%#
Target Compounds						
4) L1 Aroclor-1016{2}	0.00	10.26	0	13110	N.D.	23.159 #
5) L1 Aroclor-1016{3}	11.90	10.67	14115	9464	17.160	35.321 #
6) L1 Aroclor-1016{4}	0.00	12.18	0	48334	N.D.	188.408 #
7) L1 Aroclor-1016{5}	13.19	14.02	71757	167605	219.755	1136.458 #
Sum Aroclor-1016			85872	238513	236.916	1383.345
Average Aroclor-1016					118.458	345.836
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{2}	0.00	10.04	0	27838	N.D.	666.360 #
13) L3 Aroclor-1232{3}	0.00	11.36	0	30898	N.D.	370.920 #
14) L3 Aroclor-1232{4}	11.90	13.11	14115	39814	40.209	703.738 #
Sum Aroclor-1232			14115	98549	40.209	1741.018
Average Aroclor-1232					40.209	580.339
					NP	NP
16) L4 Aroclor-1242{2}	0.00	10.04	0	27838	N.D.	362.690 #
17) L4 Aroclor-1242{3}	11.33	0.00	13724	0	123.794	N.D. #
18) L4 Aroclor-1242{4}	0.00	12.18	0	48334	N.D.	208.867 #
19) L4 Aroclor-1242{5}	14.07	14.30	38599	126391	106.220	1414.165 #
Sum Aroclor-1242			52324	202563	230.014	1985.721
Average Aroclor-1242					115.007	661.907
					NP	NP
20) L5 Aroclor-1248{1}	0.00	10.26	0	13110	N.D.	31.476 #
21) L5 Aroclor-1248{2}	11.90	12.18	14115	48334	25.229	142.629 #
22) L5 Aroclor-1248{3}	13.19	12.47	71757	35109	173.611	110.916 #
23) L5 Aroclor-1248{4}	14.07	13.46	38599	234976	77.769	873.260 #
24) L5 Aroclor-1248{5}	0.00	15.47	0	449432	N.D.	3568.278 #
Sum Aroclor-1248			124471	780962	276.609	4726.559
Average Aroclor-1248					92.203	945.312
					NP	NP

TRO 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25)	L6	Aroclor-1254{1}	14.07	11.36	38599	30898	284.376	140.148	#
26)	L6	Aroclor-1254{2}	15.44	13.46	916868	234976	2486.894	561.104	#
27)	L6	Aroclor-1254{3}	15.78	14.88	252369	482061	547.622	3224.726	#
28)	L6	Aroclor-1254{4}	18.42	15.47	629722	449432	1553.747	924.892	#
29)	L6	Aroclor-1254{5}	19.74	17.76	913092	894772	1058.038	1968.965	#
	Sum	Aroclor-1254			2750650	2092140	5930.678	6819.835	
	Average	Aroclor-1254					1186.136	1363.967	
30)	L7	Aroclor-1260{1}	18.01	15.97	353946	271510	680.087	796.624	
31)	L7	Aroclor-1260{2}	18.42	16.67	629722	290877	1023.028	715.484	#
32)	L7	Aroclor-1260{3}	19.96	17.76	87935	894772	192.719	1734.924	#
33)	L7	Aroclor-1260{4}	21.04	19.77	233021	119374	500.108	190.647	#
34)	L7	Aroclor-1260{5}	21.62	20.88	228152	89049	176.983	188.526	
	Sum	Aroclor-1260			1532777	1665582	2572.924	3626.206	
	Average	Aroclor-1260					514.585	725.241	

380

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0840.D\ECD1A.CH Vial: 39
Signal #2 : E:\WESTDA~1\BA0840.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:13 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36334	25179	1.939	1.968
Spiked Amount 40.000 Range 43 - 150 Recovery =					4.85%#	4.92%#
2) SA Decachlorobiphen	29.12	24.46	62192	39382	2.820	4.240 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					7.05%#	10.60%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.36	53596	30673	394.993m	138.054 #
4) L6 Aroclor-1254{2}	15.44	13.46	916994	233121	2390.609	556.232 #
5) L6 Aroclor-1254{3}	15.78	14.88	252220	475566	479.175	3171.906 #
6) L6 Aroclor-1254{4}	18.42	15.47	629715	596769	1468.620	1199.922
7) L6 Aroclor-1254{5}	19.74	17.76	913089	872456	1051.420	1820.766 #
Sum Aroclor-1254			2765613	2208586	5784.816	6886.879
Average Aroclor-1254					1156.963	1377.376

interference

848.55 928.74

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

380A

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0840A.D\ECD1A.CH Vial: 39
Signal #2 : E:\WESTDA~1\BA0840A.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36334	25179	3.906	4.167
Spiked Amount 40.000 Range 43 - 150 Recovery =					9.77%#	10.42%#
2) SA Decachlorobiphen	29.12	24.46	62192	39382	4.118	4.741
Spiked Amount 40.000 Range 24 - 154 Recovery =					10.30%#	11.85%#

Target Compounds

380B

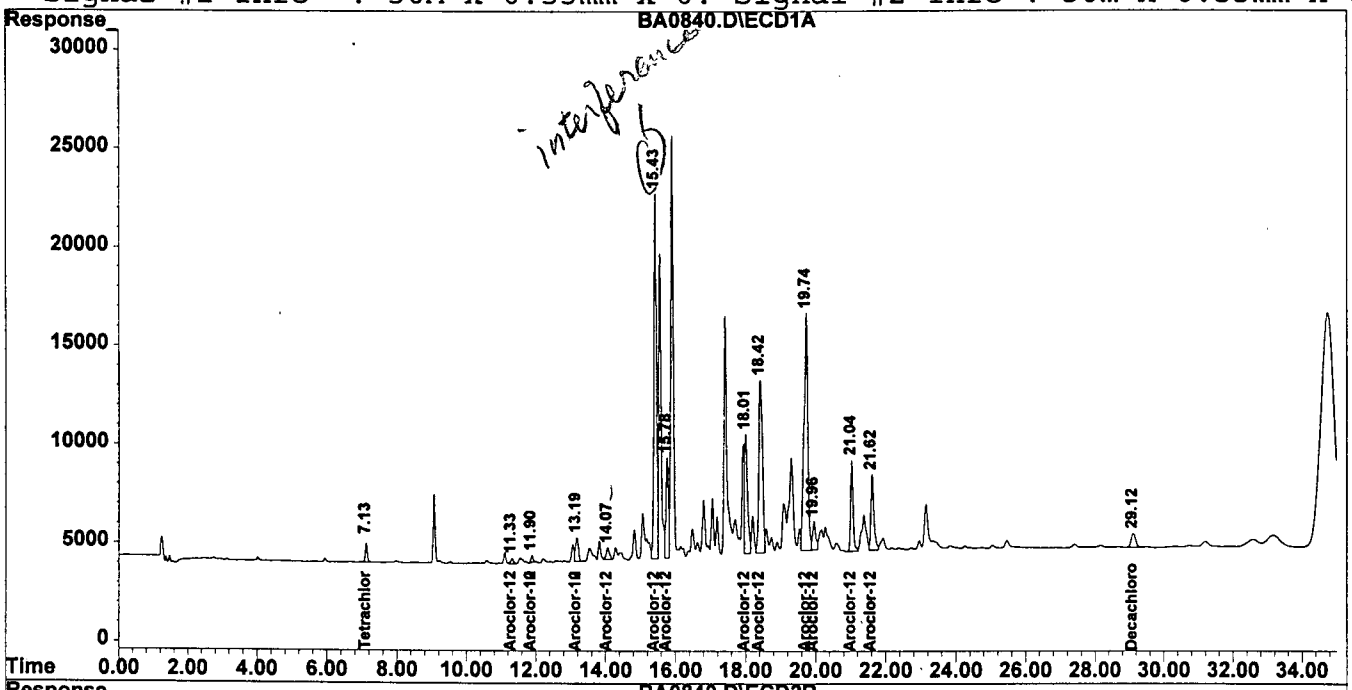
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

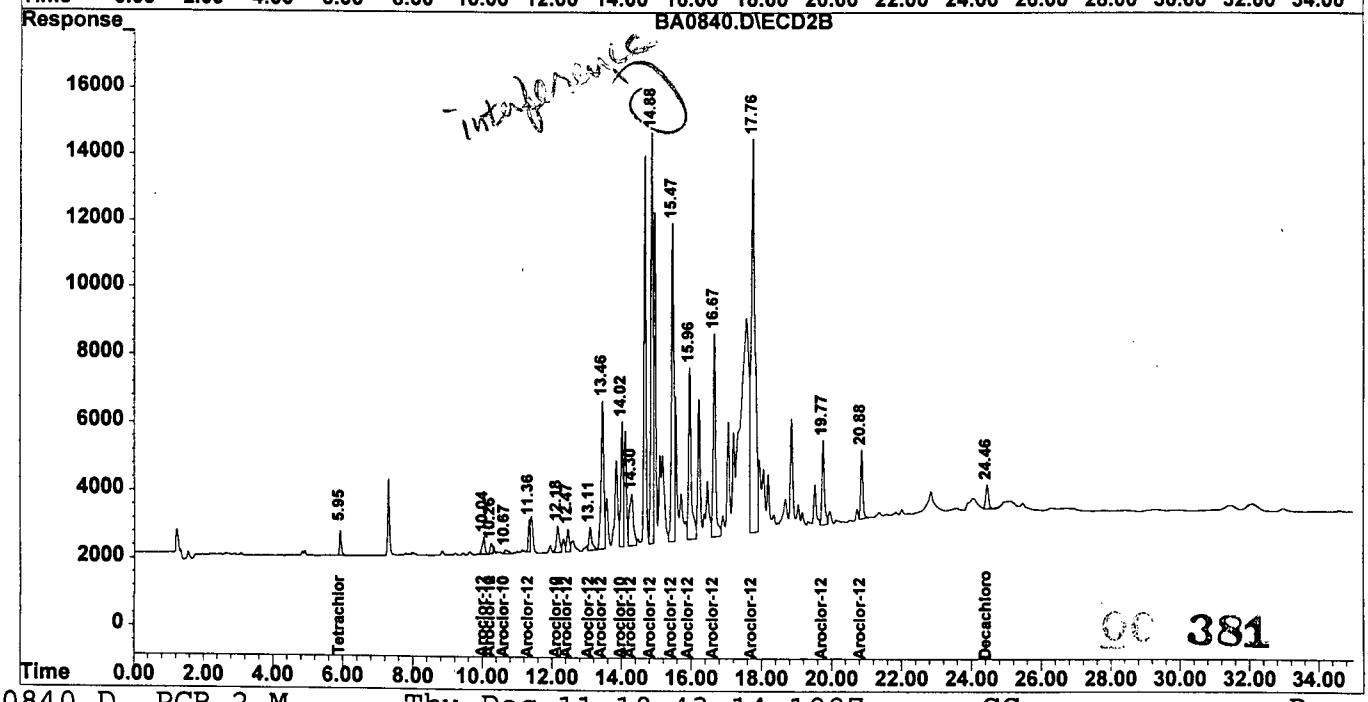
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_B\BA0840.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:01 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





GC 381

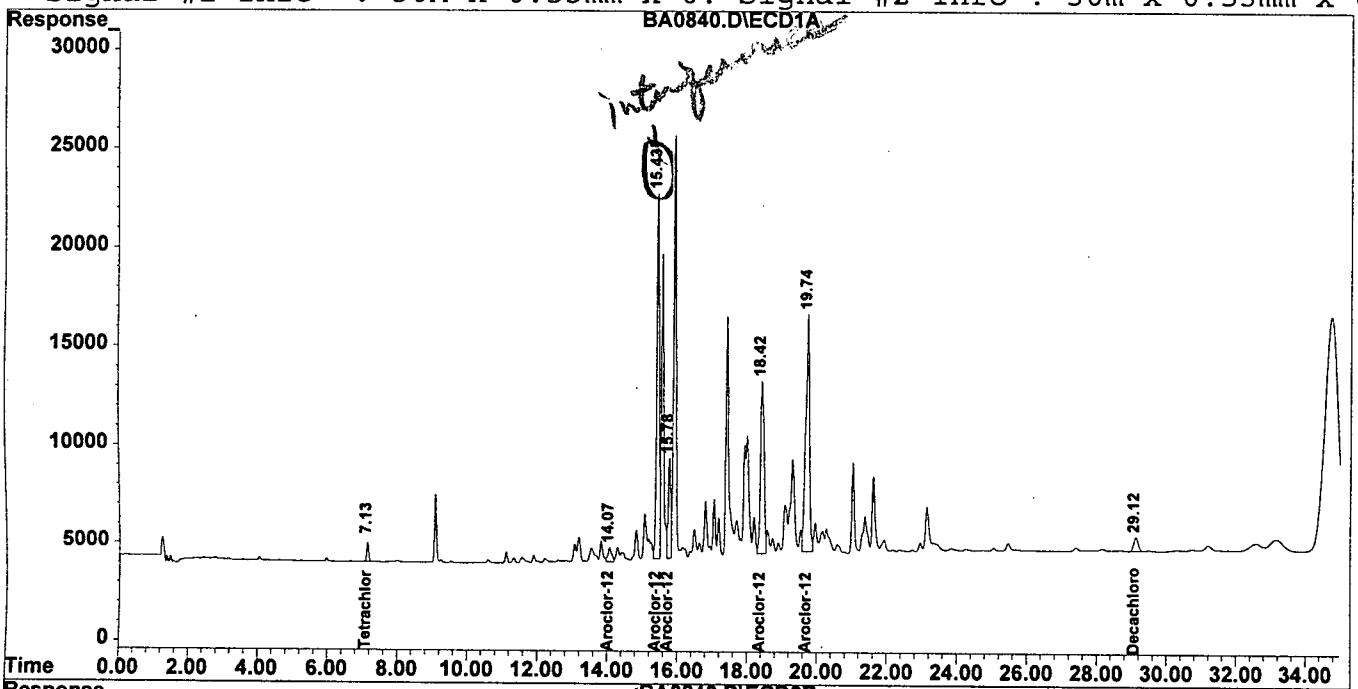
Quantitation Report

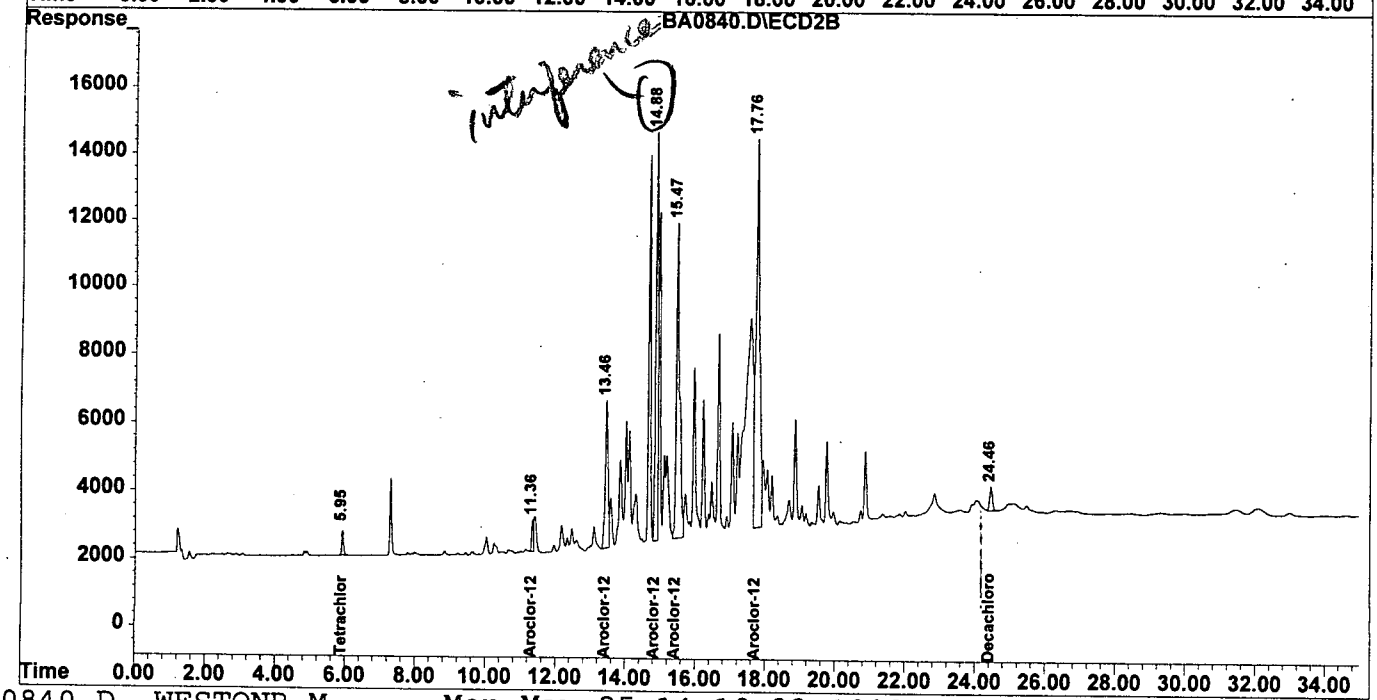
AMENDED REPORT MAY 2 6 1998

Signal #1 : E:\WESTDA~1\BA0840.D\ECD1A.CH Vial: 39
Signal #2 : E:\WESTDA~1\BA0840.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:13 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





381A

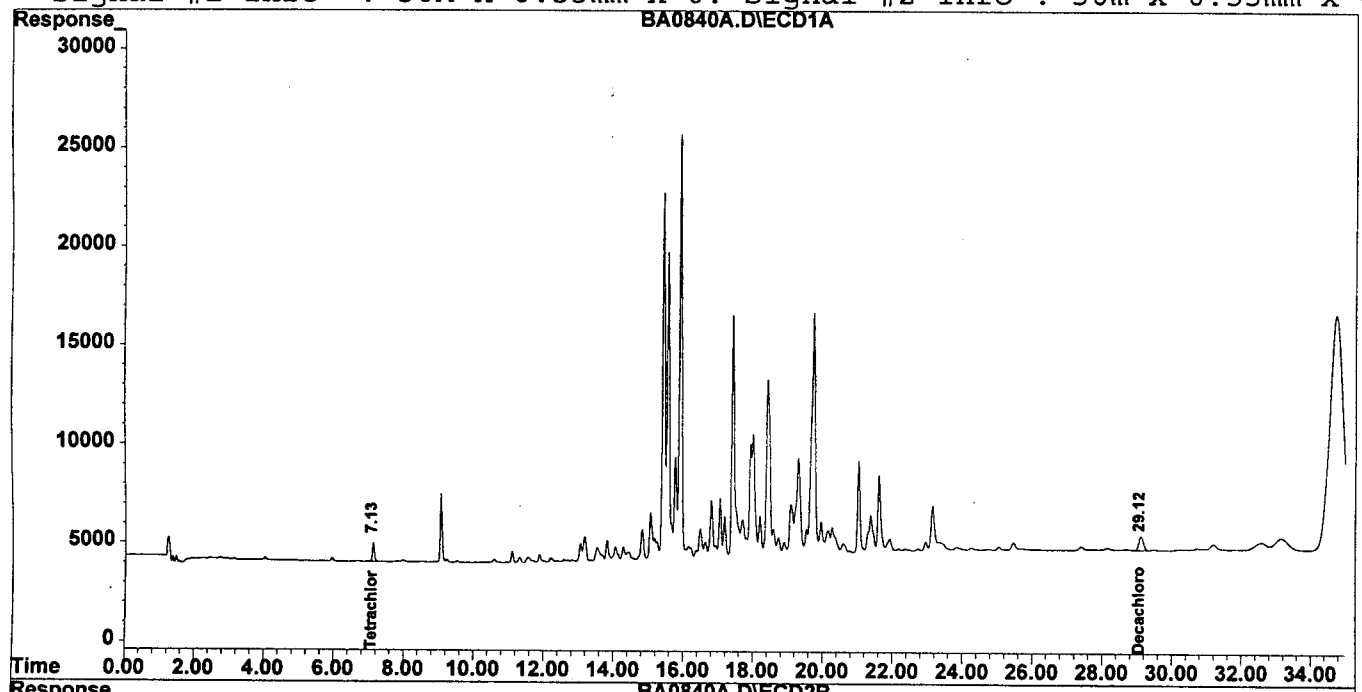
Quantitation Report

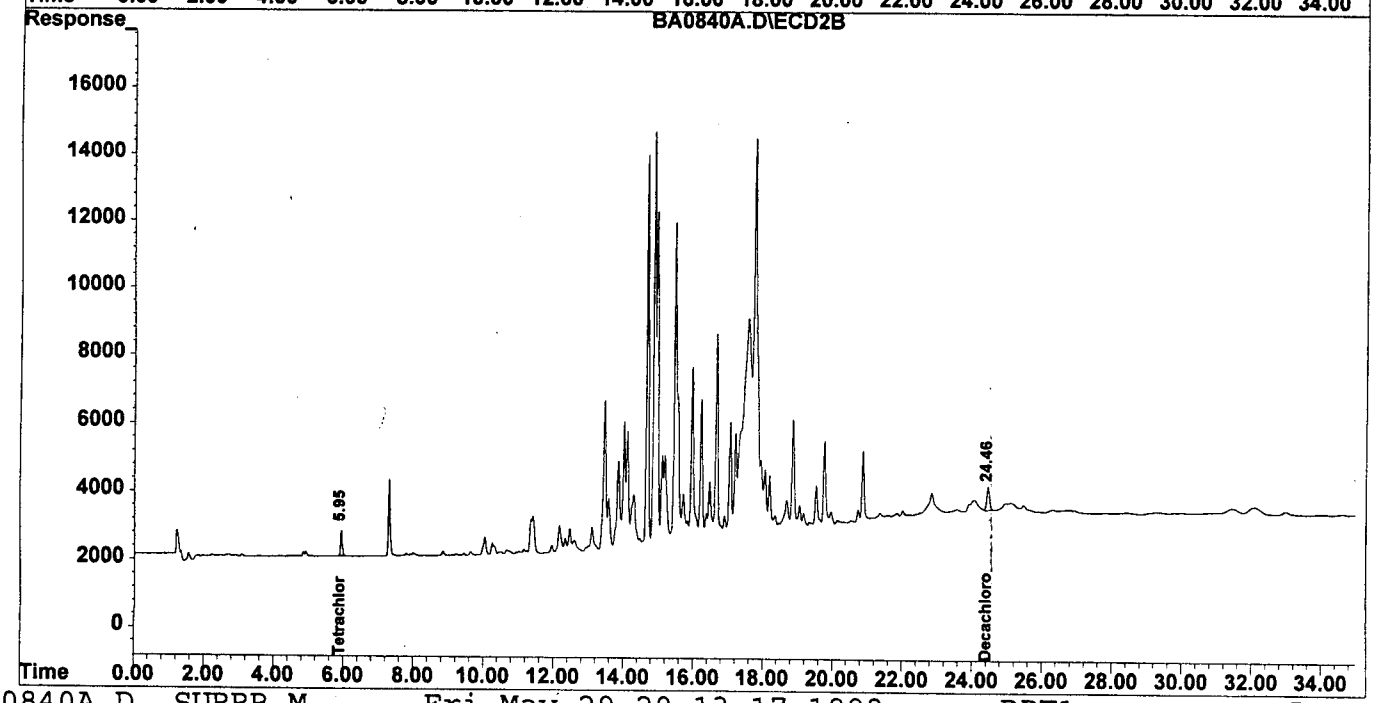
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0840A.D\ECD1A.CH Vial: 39
Signal #2 : E:\WESTDA~1\BA0840A.D\ECD2B.CH
Acq On : 10 Dec 97 20:30 Operator:
Sample : 278175 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:03 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





381β

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278176
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIINS3
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	~~10ml~~
Dilution Factor:	1	Sample Moisture:	63.32%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	91	45
Aroclor-1221	U	U	180	130
Aroclor-1232	U	U	91	73
Aroclor-1242	U	U	91	45
Aroclor-1248	U	U	91	54
Aroclor-1254	2600 ~~2500~~	U	91	64
Aroclor-1260	U	U	91	73

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.91	346131	235518	38.208	36.362	
Spiked Amount 40.000 Range 43 - 150 Recovery =					95.52%	90.91%	
2) SA Decachlorobiphen	28.99	24.37	512697	327747	34.069	36.752	
Spiked Amount 40.000 Range 24 - 154 Recovery =					85.17%	91.88%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	0.00	35520	0	166.870	N.D.	#
5) L1 Aroclor-1016{3}	11.98	0.00	13133	0	15.967	N.D.	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	486947	N.D.	3301.788	#
Sum Aroclor-1016			48654	486947	182.836	3301.788	
Average Aroclor-1016					91.418	3301.788	
					np	np	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.80	0	27103	N.D.	187.281	#
12) L3 Aroclor-1232{2}	0.00	9.98	0	119828	N.D.	2868.391	#
13) L3 Aroclor-1232{3}	10.57	11.36	43788	426513	201.744	5120.142	#
14) L3 Aroclor-1232{4}	11.88	13.15	82163	41163	234.062	727.583	#
Sum Aroclor-1232			125951	614607	435.805	8903.397	
Average Aroclor-1232					217.903	2225.849	
					np	np	
15) L4 Aroclor-1242{1}	0.00	8.80	0	27103	N.D.	108.462	#
16) L4 Aroclor-1242{2}	10.57	9.98	43788	119828	119.416	1561.222	#
17) L4 Aroclor-1242{3}	11.27	10.97	30830	11157	278.087	69.167	#
18) L4 Aroclor-1242{4}	12.81	0.00	33739	0	195.866	N.D.	#
19) L4 Aroclor-1242{5}	14.05	14.25	331716	374238	912.836	4187.267	#
Sum Aroclor-1242			440073	532326	1506.206	5926.118	
Average Aroclor-1242					376.551	1481.529	
					np	np	
20) L5 Aroclor-1248{1}	10.57	10.21	43788	70304	225.715	168.792	#
21) L5 Aroclor-1248{2}	11.88	12.12	82163	331879	146.859	979.339	#
22) L5 Aroclor-1248{3}	13.16	12.54	663721	1030848	1605.836	3256.607	#
23) L5 Aroclor-1248{4}	14.05	13.53	331716	198522	668.328	737.782	
24) L5 Aroclor-1248{5}	16.12	0.00	121338	0	321.841	N.D.	#
					np	np	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1248			1242726	1631552	2968.579	5142.520
Average Aroclor-1248					593.716	1285.630
					nb	nb
25) L6 Aroclor-1254{1}	14.05	11.31	331716	293082	2443.869	1329.364 #
26) L6 Aroclor-1254{2}	15.42	13.41	1338244	839312	3629.824	2004.212 #
27) L6 Aroclor-1254{3}	15.74	14.82	1002458	667201	2175.263	4463.215 #
28) L6 Aroclor-1254{4}	18.37	15.42	1422477	1562710	3509.755	3215.919
29) L6 Aroclor-1254{5}	19.69	17.70	2627336	1691265	3044.406	3721.664
Sum Aroclor-1254			6722230	5053571	14803.116	14734.374
Average Aroclor-1254					2960.623	2946.875
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0813.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0813.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:21 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.91	342140	228529	18.258	17.866	
Spiked Amount 40.000 Range 43 - 150 Recovery =					45.65%	44.67%	
2) SA Decachlorobiphen	28.99	24.37	512697	319184	23.249	34.361	#
Spiked Amount 40.000 Range 24 - 154 Recovery =					58.12%	85.90%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.04	11.31	312790	279986	2305.209m	1260.154	#
4) L6 Aroclor-1254{2}	15.42	13.41	1331903	838221	3472.279	2000.010	#
5) L6 Aroclor-1254{3}	15.74	14.82	997826	661624	1895.699	4412.864	#
6) L6 Aroclor-1254{4}	18.37	15.42	1418101	1559275	3307.293	3135.231	
7) L6 Aroclor-1254{5}	19.69	17.70	2623576	1669999	3021.042	3485.195	
Sum Aroclor-1254			6684196	5009105	14001.522	14293.454	
Average Aroclor-1254					2800.304	2858.691	

384A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT VIA: MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0813A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0813A.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:41 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.91	342140	228529	36.779	37.819
Spiked Amount 40.000 Range 43 - 150 Recovery =					91.95%	94.55%
2) SA Decachlorobiphen	28.99f	24.37f	539387	336003	35.716m	40.445m
Spiked Amount 40.000 Range 24 - 154 Recovery =					89.29%	101.11%

Target Compounds

384B

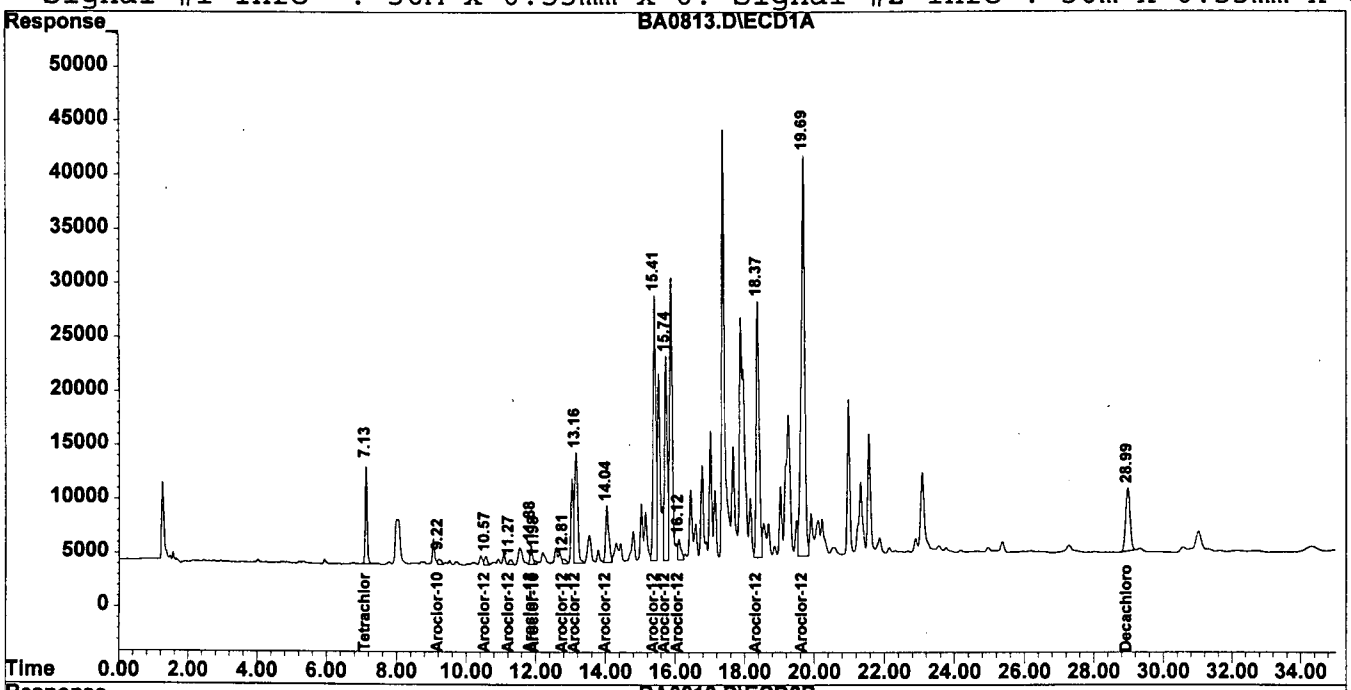
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

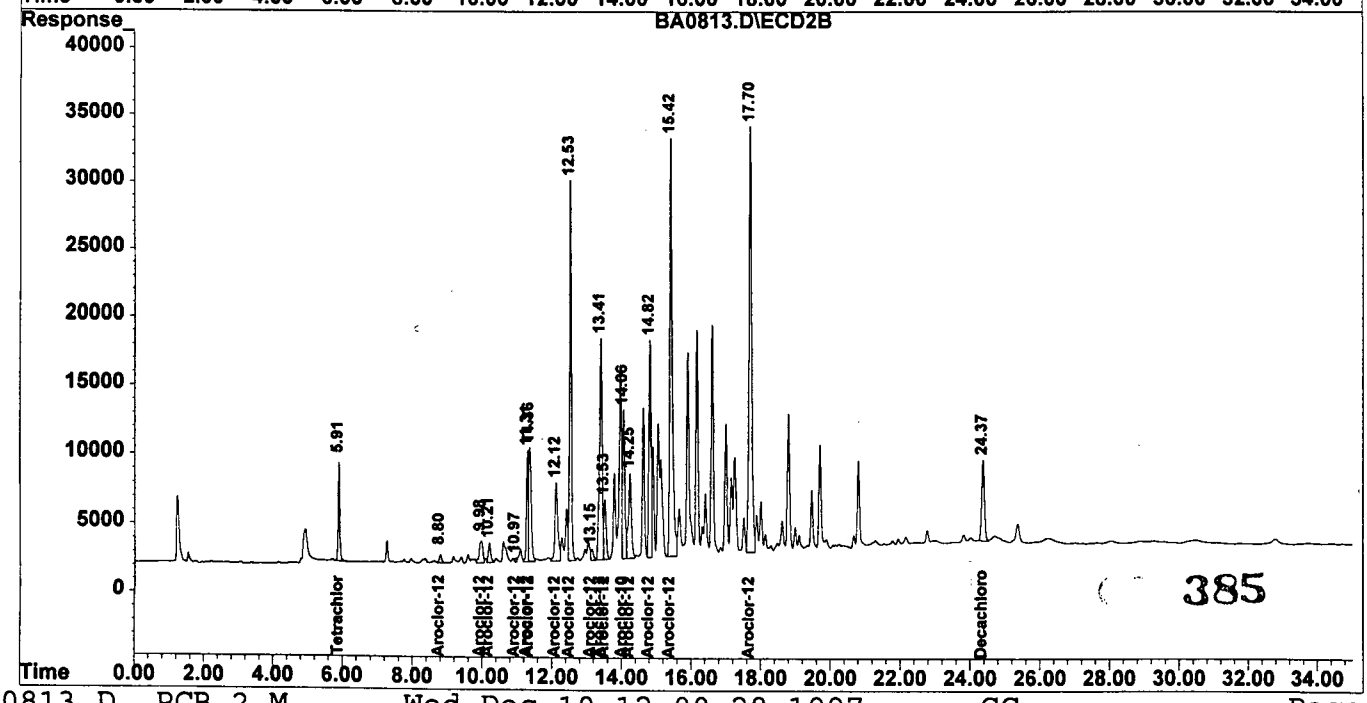
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0813.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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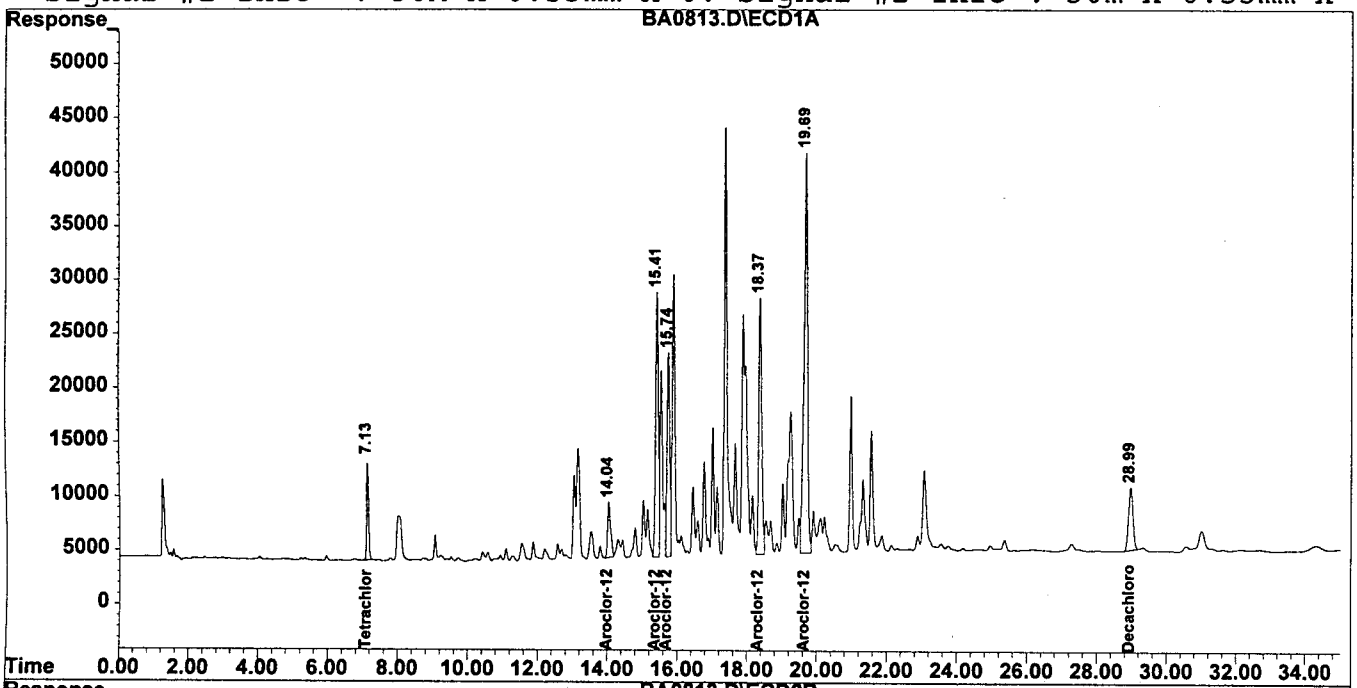
Quantitation Report

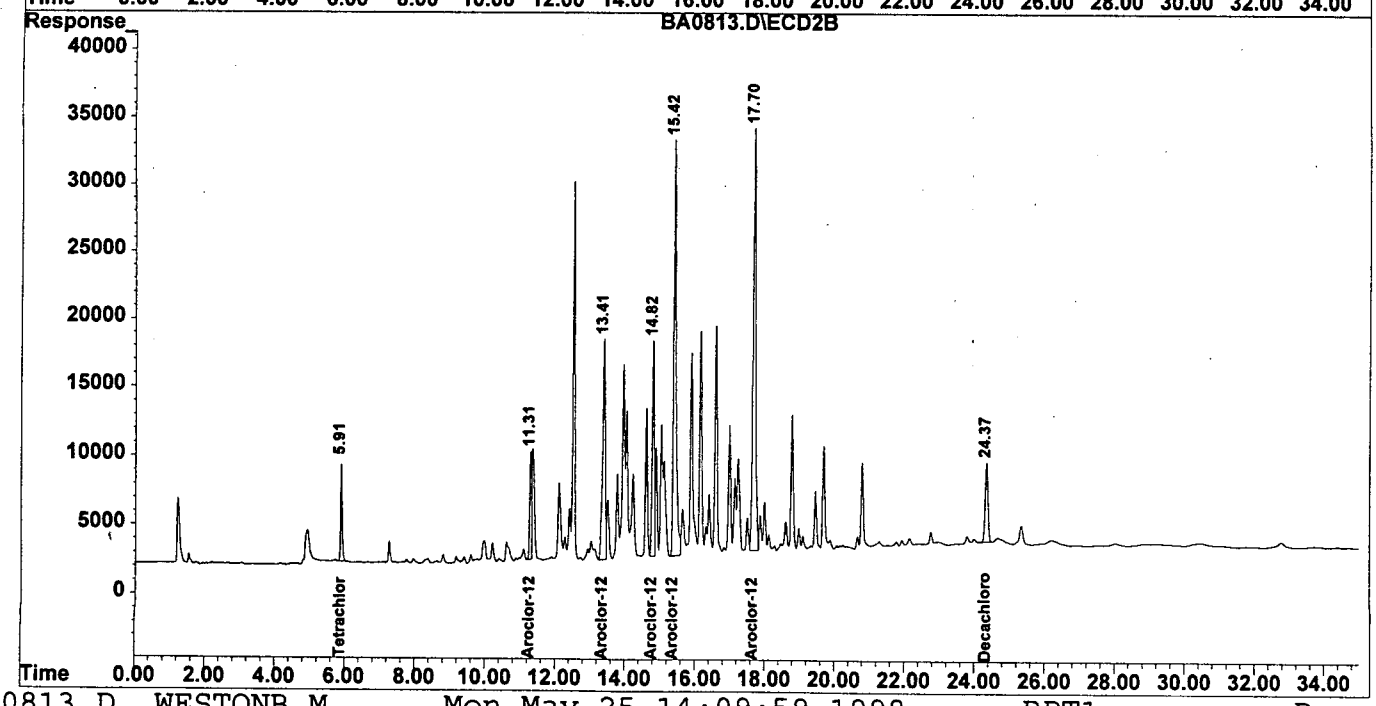
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0813.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0813.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:21 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





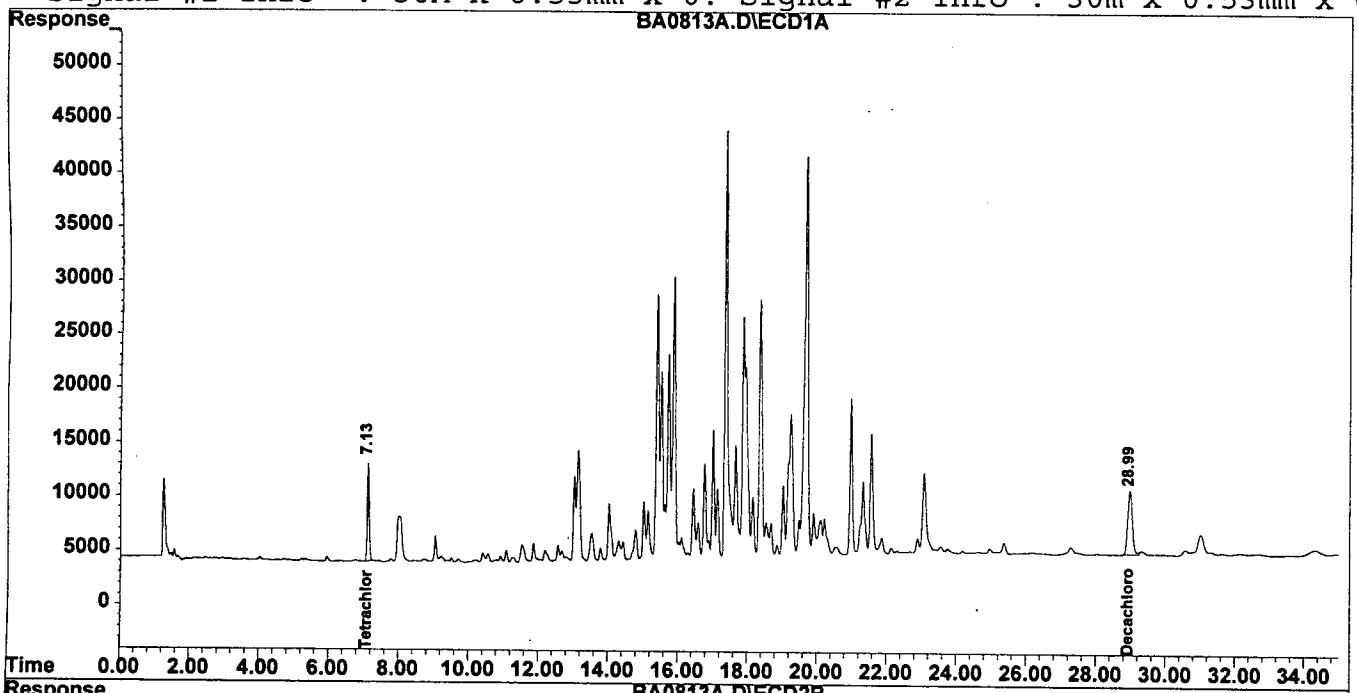
Quantitation Report

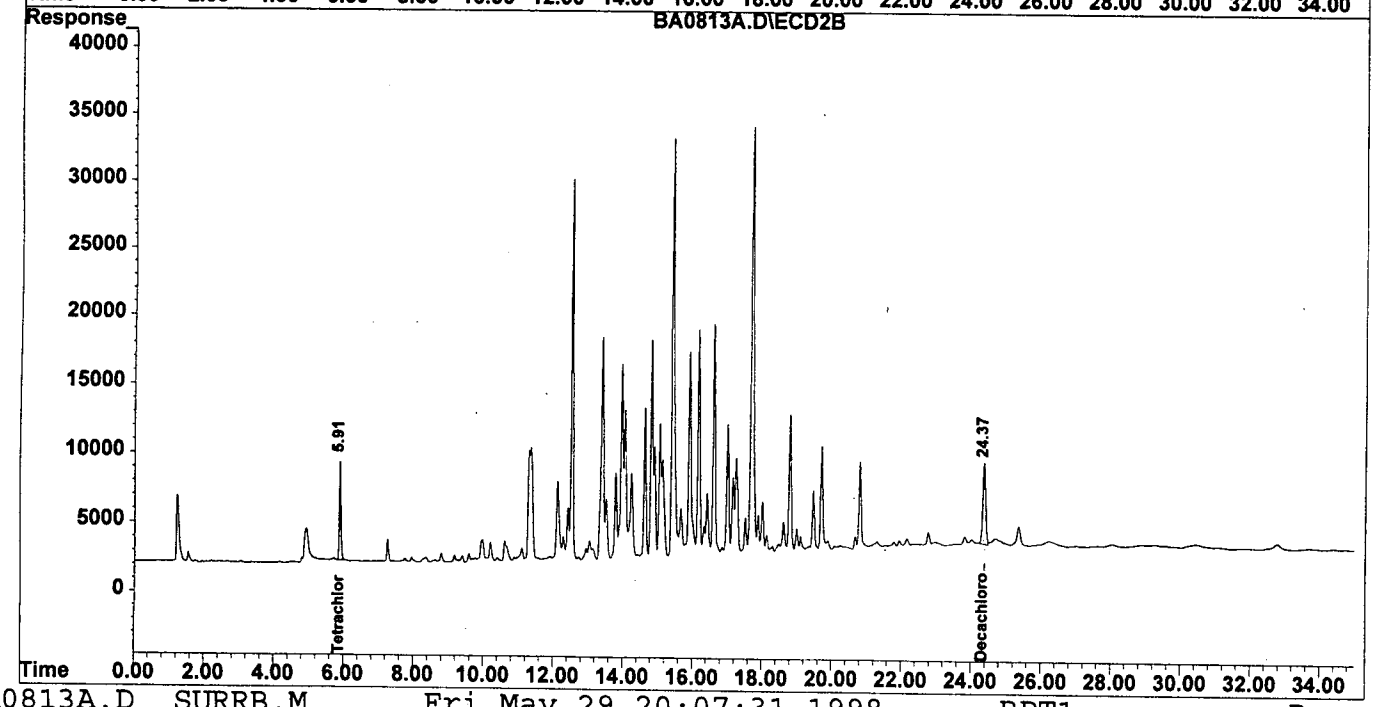
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0813A.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0813A.D\ECD2B.CH
Acq On : 10 Dec 97 1:02 Operator:
Sample : 278176 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:41 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278177
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIIND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	50.09%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	67	33
Aroclor-1221	U	U	130	94
Aroclor-1232	U	U	67	53
Aroclor-1242	U	U	67	33
Aroclor-1248	U	U	67	40
Aroclor-1254	1900 ~~1800~~	U	67	47
Aroclor-1260	U	U	67	53

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.90	364130	245586	40.195	37.917	
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.49%	94.79%	
2) SA Decachlorobiphen	28.99	24.37	565489	340287	37.577	38.158	
Spiked Amount 40.000 Range 24 - 154 Recovery =					93.94%	95.40%	
Target Compounds							
7) L1 Aroclor-1016{5}	0.00	14.06	0	670240	N.D.	4544.617	#
Sum Aroclor-1016			0	670240	N.D.	4544.617	
Average Aroclor-1016					0.000	4544.617	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
11) L3 Aroclor-1232{1}	0.00	8.80	0	9300	N.D.	64.262	#
12) L3 Aroclor-1232{2}	0.00	9.97	0	26611	N.D.	636.991	#
14) L3 Aroclor-1232{4}	11.88	13.14	23342	33087	66.494	584.834	#
Sum Aroclor-1232			23342	68998	66.494	1286.087	
Average Aroclor-1232					66.494	428.696	
15) L4 Aroclor-1242{1}	0.00	8.80	0	9300	N.D.	37.217	#
16) L4 Aroclor-1242{2}	0.00	9.97	0	26611	N.D.	346.705	#
17) L4 Aroclor-1242{3}	11.32	0.00	25375	0	228.883	N.D.	#
19) L4 Aroclor-1242{5}	14.05	14.25	107426	199845	295.622	2236.024	#
Sum Aroclor-1242			132801	235756	524.505	2619.945	
Average Aroclor-1242					262.252	873.315	
20) L5 Aroclor-1248{1}	0.00	10.21	0	24728	N.D.	59.369	#
21) L5 Aroclor-1248{2}	11.88	0.00	23342	0	41.721	N.D.	#
22) L5 Aroclor-1248{3}	13.16	12.53	207278	81176	501.497	256.447	#
23) L5 Aroclor-1248{4}	14.05	13.52	107426	165363	216.438	614.552	#
24) L5 Aroclor-1248{5}	16.12	0.00	112004	0	297.082	N.D.	#
Sum Aroclor-1248			450049	271267	1056.738	930.369	
Average Aroclor-1248					264.184	310.123	
5) L6 Aroclor-1254{1}	14.05	11.30	107426	307099	791.445	1392.943	#

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
26) L6 Aroclor-1254{2}	15.42	13.40	776450	695381	2106.026	1660.515
27) L6 Aroclor-1254{3}	15.74	14.81	1119171	451544	2428.522	3020.582
28) L6 Aroclor-1254{4}	18.37	15.42	1760166	1701132	4342.952	3500.778
29) L6 Aroclor-1254{5}	19.69	17.70	3748431	2292615	4343.466	5044.947
Sum Aroclor-1254			7511643	5447770	14012.412	14619.766
Average Aroclor-1254					2802.482	2923.953
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

THIS VALUE REPORTED DMW 12/16/97

388

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0814.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0814.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:22 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.90	362241	241365	19.331	18.869
Spiked Amount 40.000 Range 43 - 150 Recovery =					48.33%	47.17%
2) SA Decachlorobiphen	28.99	24.37	565489	338322	25.642	36.422 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.11%	91.05%
Target Compounds						
3) L6 Aroclor-1254{1}	14.05	11.30	110410	309591	813.703m	1393.402 #
4) L6 Aroclor-1254{2}	15.42	13.40	766470	695696	1998.191	1659.943
5) L6 Aroclor-1254{3}	15.74	14.81	1104281	452271	2097.944	3016.530 #
6) L6 Aroclor-1254{4}	18.37	15.42	1741653	1699768	4061.882	3417.719
7) L6 Aroclor-1254{5}	19.69	17.70	3731400	2288448	4296.700	4775.862
Sum Aroclor-1254			7454214	5445773	13268.419	14263.456
Average Aroclor-1254					2653.684	2852.691

388A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0814A.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0814A.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:42 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.90	362241	241365	38.939	39.943
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.35%	99.86%
2) SA Decachlorobiphen	28.99f	24.37f	600430	347966	39.758m	41.885m
Spiked Amount 40.000 Range 24 - 154 Recovery =					99.40%	104.71%
Target Compounds						

388B

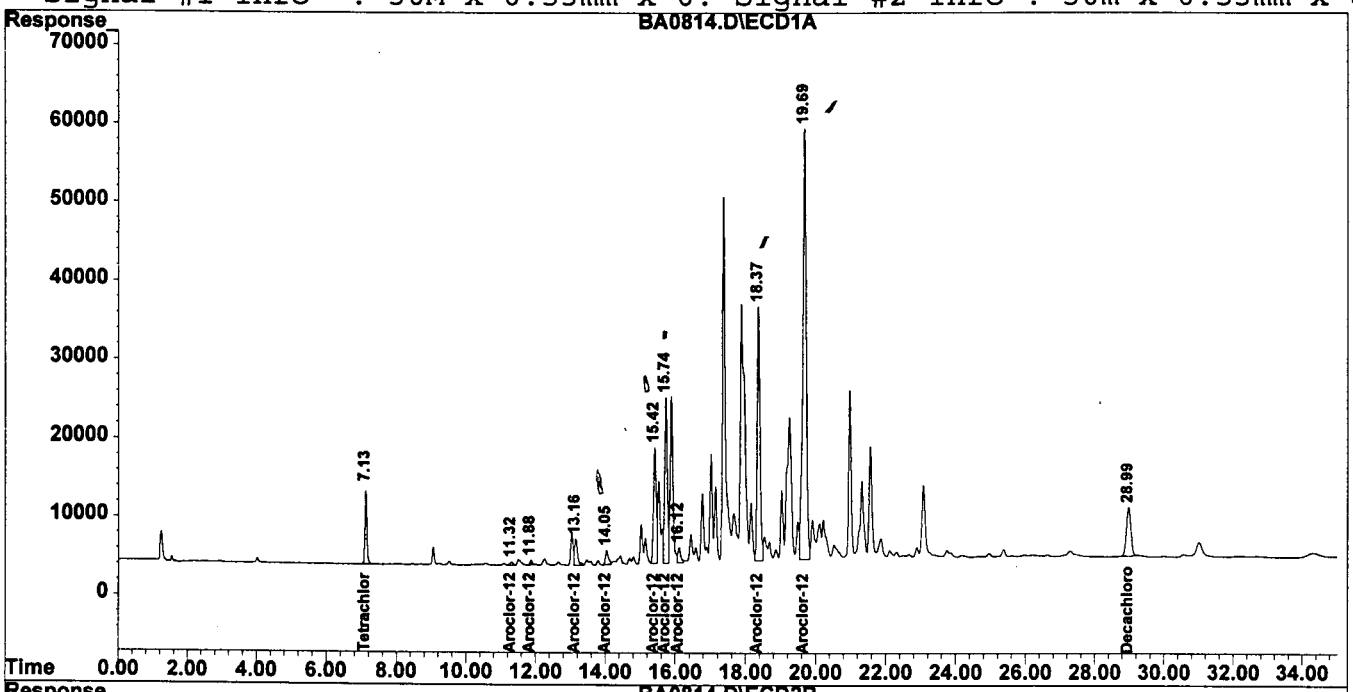
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

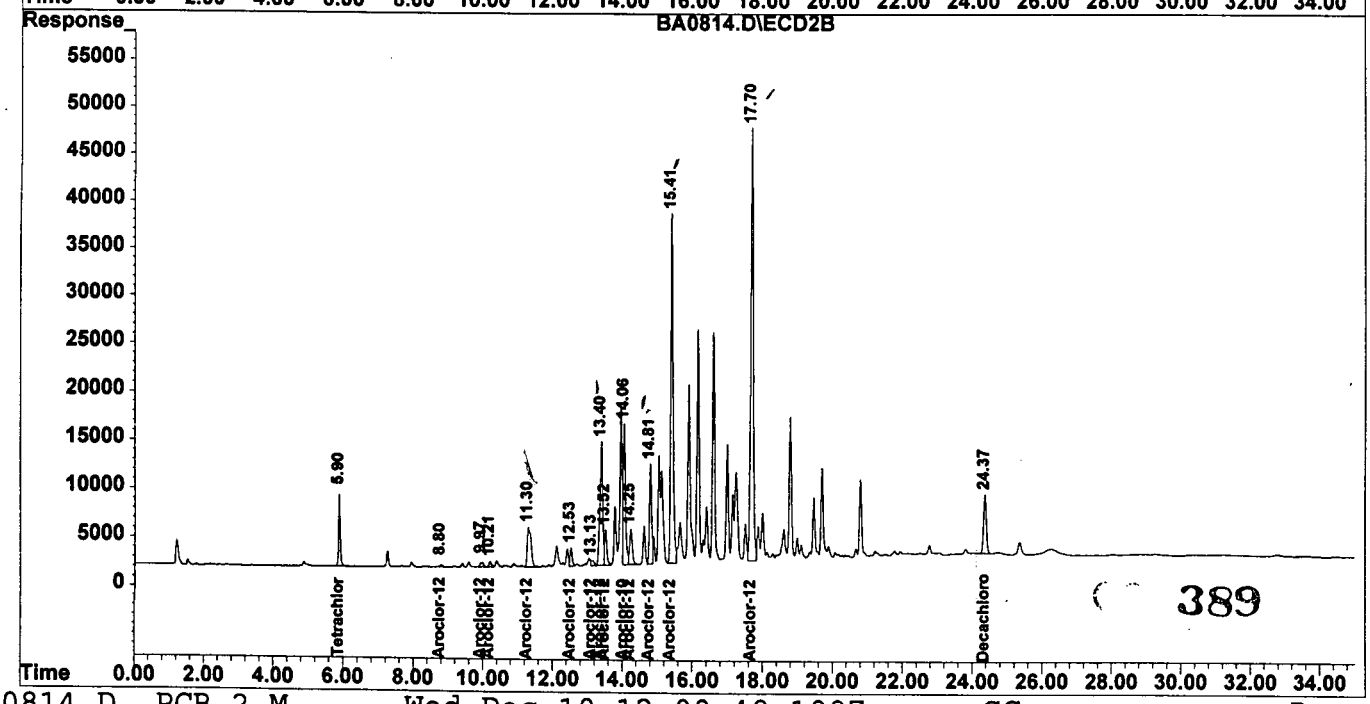
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_B\BA0814.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:00 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





389

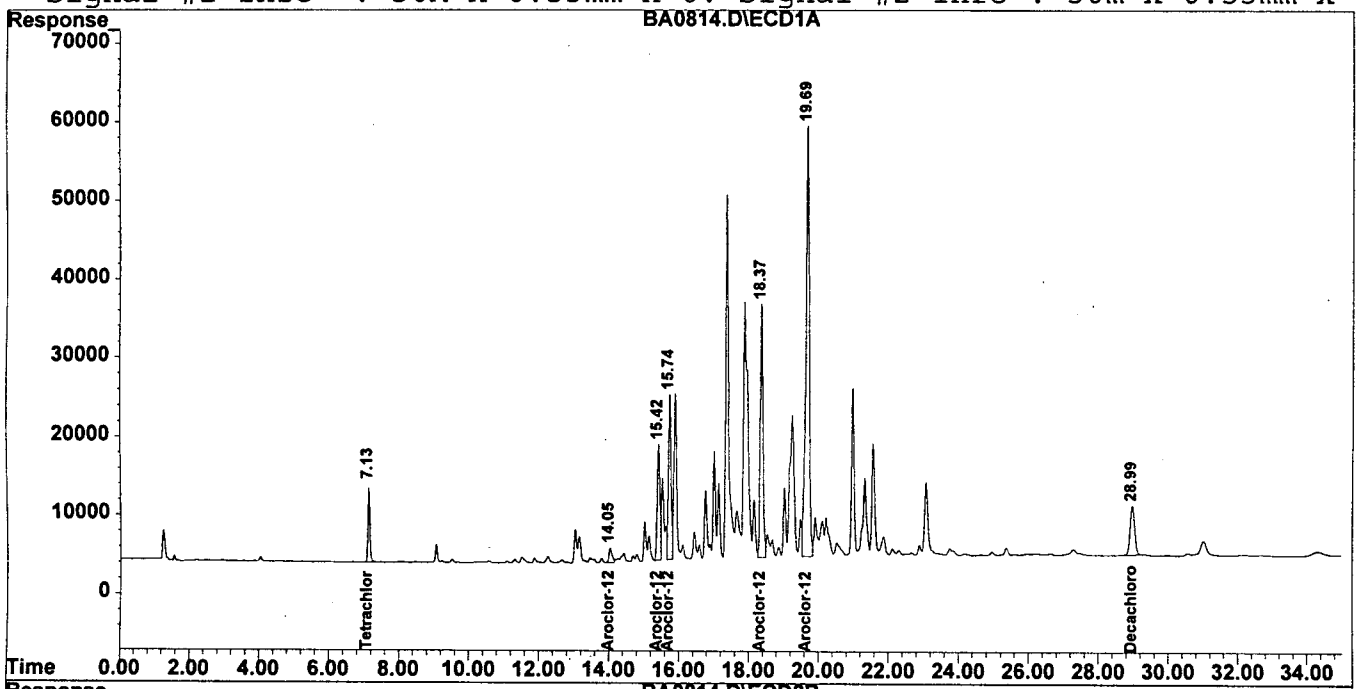
Quantitation Report

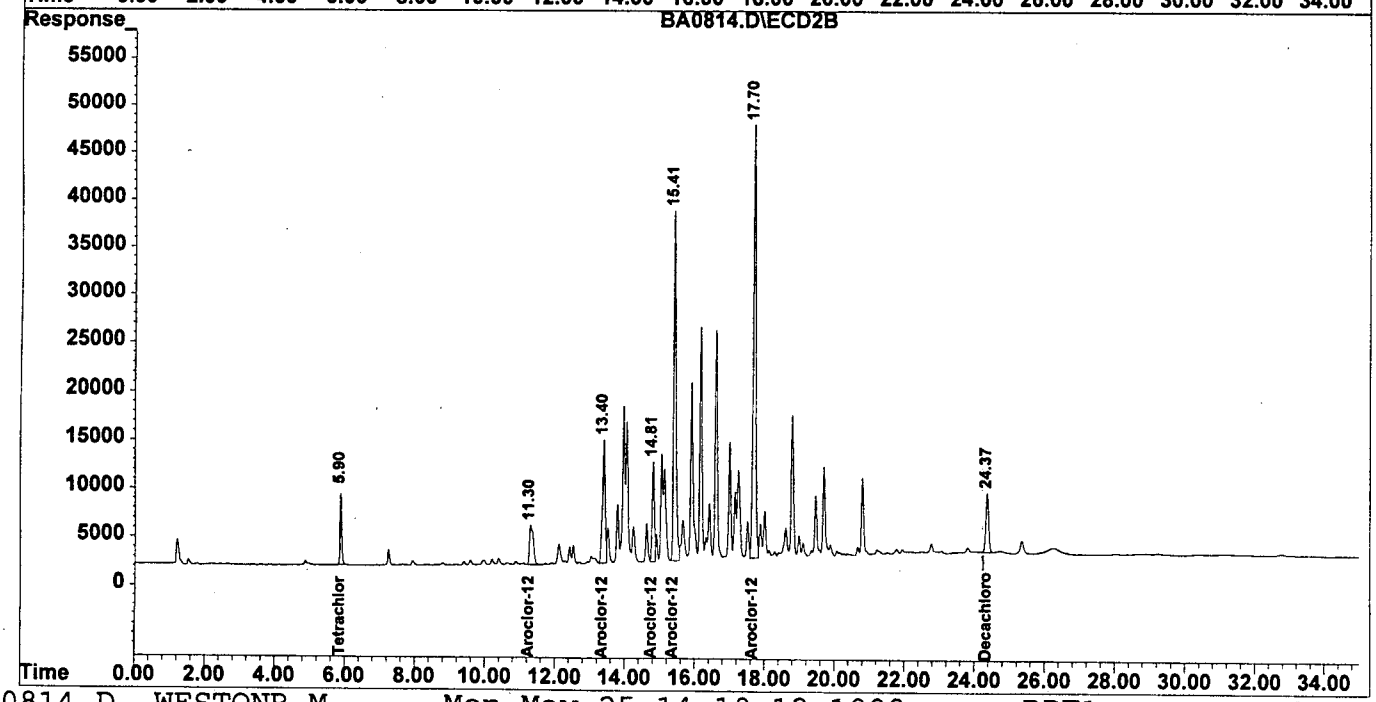
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0814.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0814.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:22 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





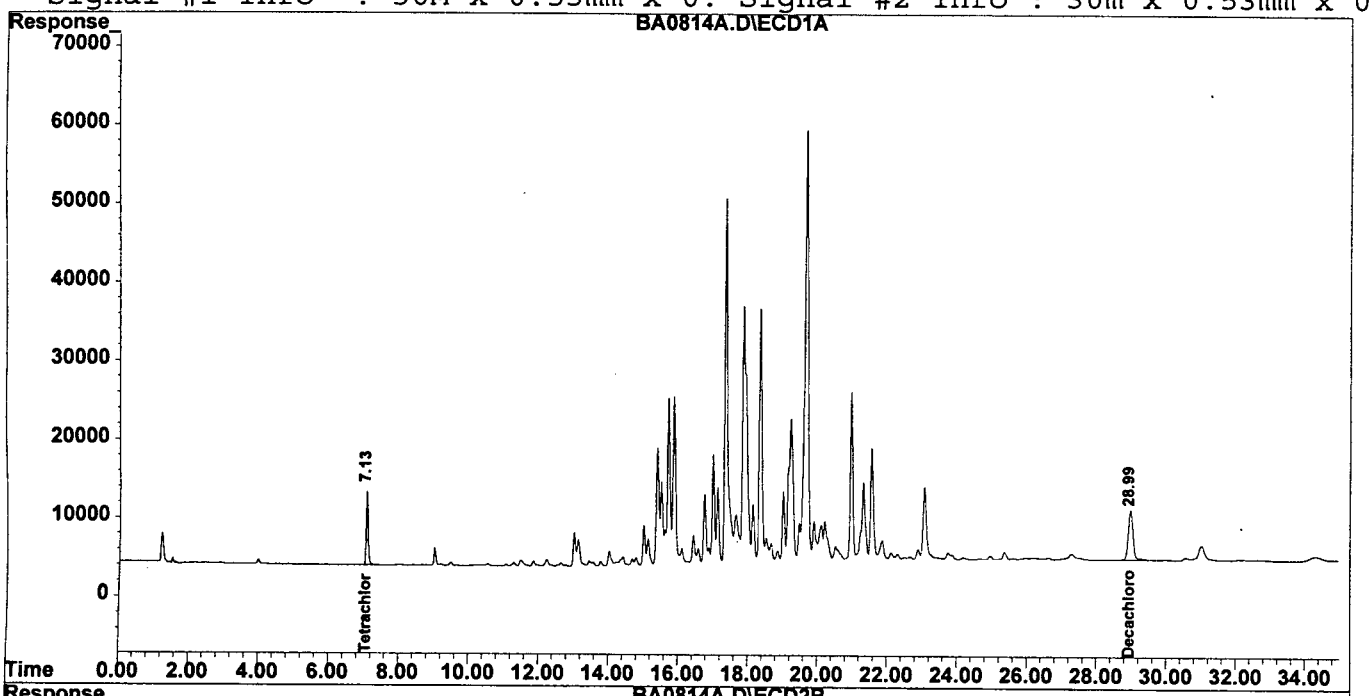
Quantitation Report

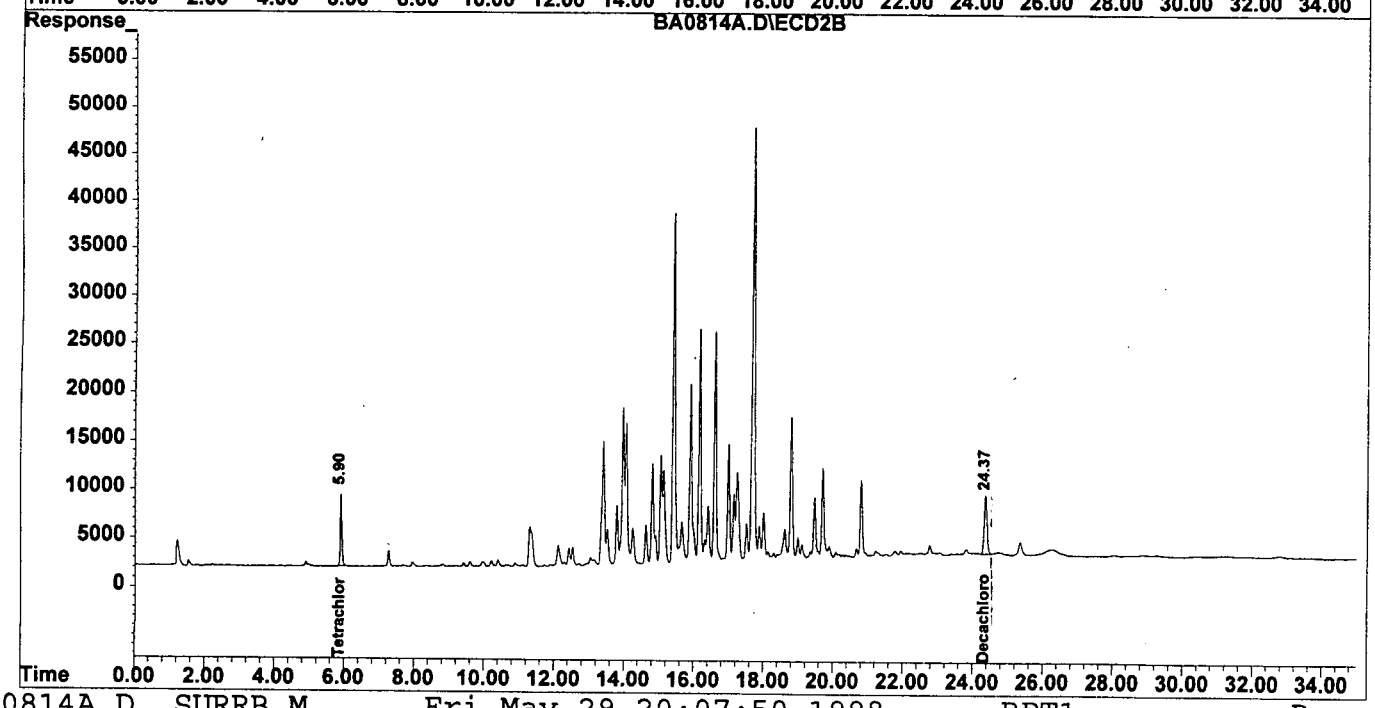
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0814A.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDA~1\BA0814A.D\ECD2B.CH
Acq On : 10 Dec 97 1:41 Operator:
Sample : 278177 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:42 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





389b

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278178
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	43.47%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	590	290
Aroclor-1221	U	U	1200	820
Aroclor-1232	U	U	590	470
Aroclor-1242	U	U	590	290
Aroclor-1248	U J	U	590	350
Aroclor-1254	8500	U	590	410
Aroclor-1260	U	U	590	470

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	41908	28774	4.626	4.442
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.57%#	11.11%#
2) SA Decachlorobiphen	29.12	24.45	71822	76367	4.773	8.563 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.93%#	21.41%#
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.85	0	10427	N.D.	35.829 #
4) L1 Aroclor-1016{2}	10.59	10.26	18647	28012	39.550	49.484 #
5) L1 Aroclor-1016{3}	11.90	10.66	39502	62380	48.024	232.811 #
6) L1 Aroclor-1016{4}	0.00	12.17	0	166441	N.D.	648.793 #
7) L1 Aroclor-1016{5}	13.19	14.02	340728	394909	1043.482	2677.716 #
Sum Aroclor-1016			398877	662169	1131.056	3644.632
Average Aroclor-1016					377.019	728.926
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	0.00	8.85	0	10427	N.D.	72.048 #
12) L3 Aroclor-1232{2}	0.00	10.03	0	46465	N.D.	1112.261 #
13) L3 Aroclor-1232{3}	10.59	11.35	18647	161693	85.912	1941.066 #
14) L3 Aroclor-1232{4}	11.90	13.10	39502	24221	112.530	428.127 #
Sum Aroclor-1232			58148	242806	198.441	3553.502
Average Aroclor-1232					99.221	888.376
					NP	NP
15) L4 Aroclor-1242{1}	0.00	8.85	0	10427	N.D.	41.726 #
16) L4 Aroclor-1242{2}	10.59	10.03	18647	46465	50.853	605.387 #
18) L4 Aroclor-1242{4}	0.00	12.17	0	166441	N.D.	719.244 #
19) L4 Aroclor-1242{5}	14.07	14.30	186163	219234	512.294	2452.959 #
Sum Aroclor-1242			204810	442567	563.147	3819.316
Average Aroclor-1242					281.574	954.829
					NP	NP
20) L5 Aroclor-1248{1}	10.59	10.26	18647	28012	96.120	67.255 #
21) L5 Aroclor-1248{2}	11.90	12.17	39502	166441	70.605	491.149 #
22) L5 Aroclor-1248{3}	13.19	12.47	340728	75851	824.372	239.624 #
23) L5 Aroclor-1248{4}	14.07	13.46	186163	482458	375.074	1792.996 #
					NP	NP

391

JPS 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
4) L5	Aroclor-1248{5}	0.00	15.47	0	827470	N.D.	6569.717	#
Sum	Aroclor-1248			585039	1580232	1366.171	9160.743	
verage	Aroclor-1248					341.543	1832.149	
25) L6	Aroclor-1254{1}	14.07	11.35	186163	161693	1371.528	733.408	#
26) L6	Aroclor-1254{2}	15.46	13.46	681553	482458	1848.629	1152.070	#
7) L6	Aroclor-1254{3}	15.78	14.87	613506	305835	1331.265	2045.869	#
28) L6	Aroclor-1254{4}	18.41	15.47	692698	827470	1709.131	1702.860	
29) L6	Aroclor-1254{5}	19.74	17.76	1302375	832541	1509.117	1832.024	
Sum	Aroclor-1254			3476294	2609996	7769.670	7466.232	
verage	Aroclor-1254					1553.934	1493.246	
0) L7	Aroclor-1260{1}	18.00	15.96	529459	434790	1017.326	1275.694	#
1) L7	Aroclor-1260{2}	18.41	16.67	692698	411994	1125.336	1013.401	
32) L7	Aroclor-1260{3}	19.96	17.76	97255	832541	213.144	1614.261	#
33) L7	Aroclor-1260{4}	21.04	19.77	340188	174355	730.108	278.457	#
4) L7	Aroclor-1260{5}	21.62	20.88	296980	129371	230.374	273.894	
Sum	Aroclor-1260			1956580	1983052	3316.288	4455.706	
Average	Aroclor-1260					663.258	891.141	

392

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0841.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\BA0841.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:14 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	41811	28676	2.231	2.242
Spiked Amount 40.000 Range 43 - 150 Recovery =					5.58%#	5.61%#
2) SA Decachlorobiphen	29.12	24.45	71918	50508	3.261	5.437m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					8.15%#	13.59%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.35	186400	156532	1373.736m	704.517 #
4) L6 Aroclor-1254{2}	15.46	13.46	679004	478655	1770.167	1142.080 #
5) L6 Aroclor-1254{3}	15.78	14.87	611724	303055	1162.170	2021.302 #
6) L6 Aroclor-1254{4}	18.41	15.47	692223	824568	1614.402	1657.957
7) L6 Aroclor-1254{5}	19.74	17.76	1302375	807136	1499.682	1684.448
Sum Aroclor-1254			3471726	2569947	7420.158	7210.304
Average Aroclor-1254					1484.032	1442.061

5/26/98 392A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0841A.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\BA0841A.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:08 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	41811	28676	4.495	4.745
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.24%#	11.86%#
2) SA Decachlorobiphen	29.12	24.45	71918	59907	4.762	7.211m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.91%#	18.03%#

Target Compounds

392B

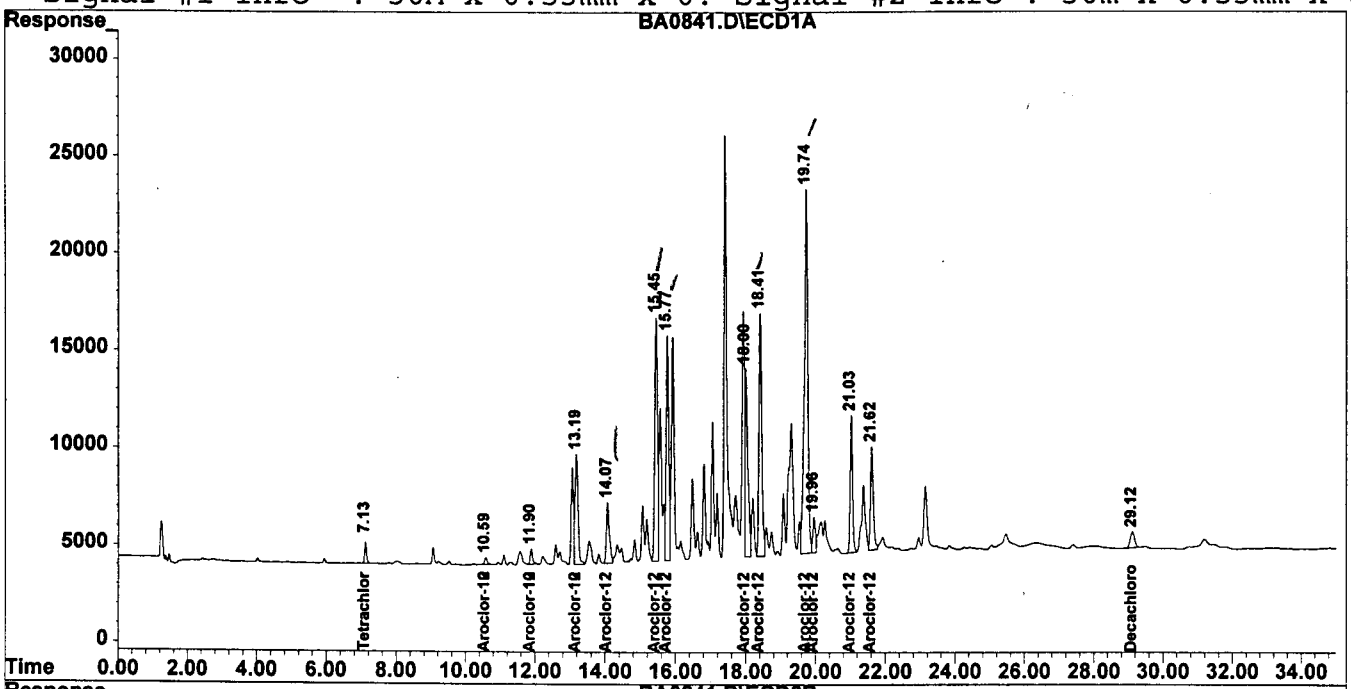
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

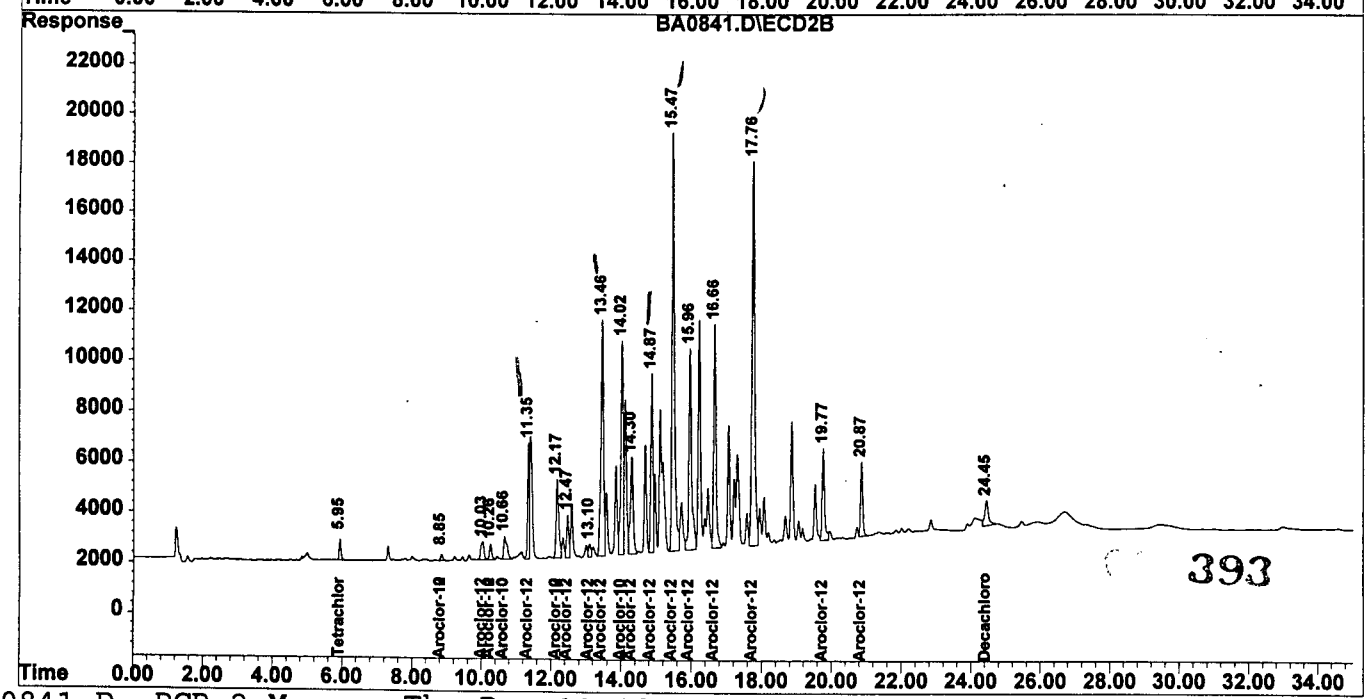
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_B\BA0841.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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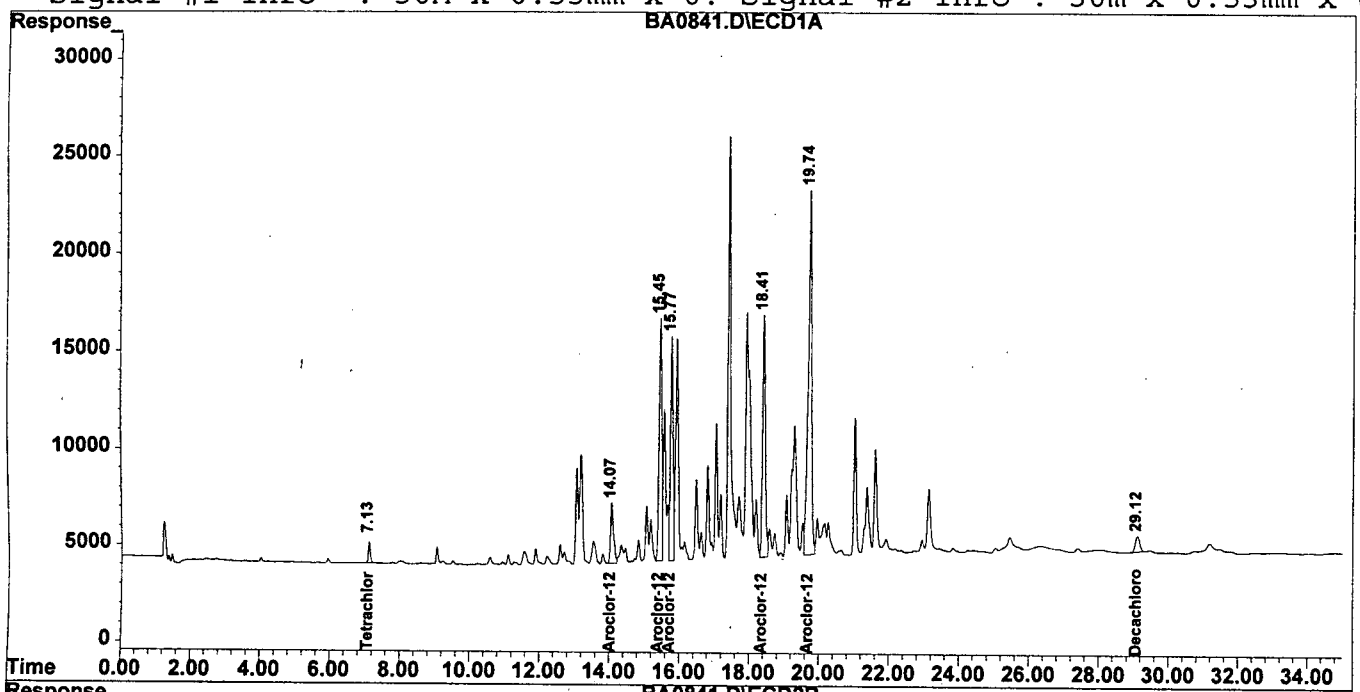
Quantitation Report

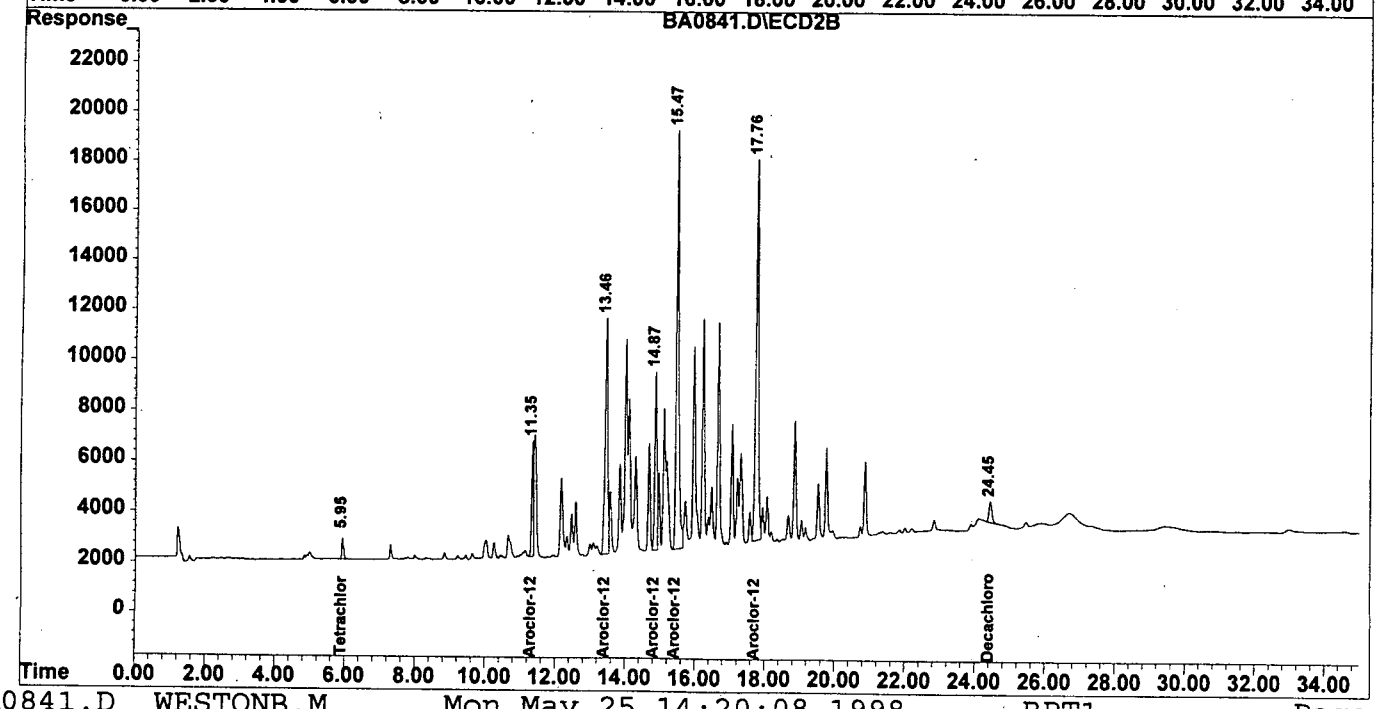
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0841.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\BA0841.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:14 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





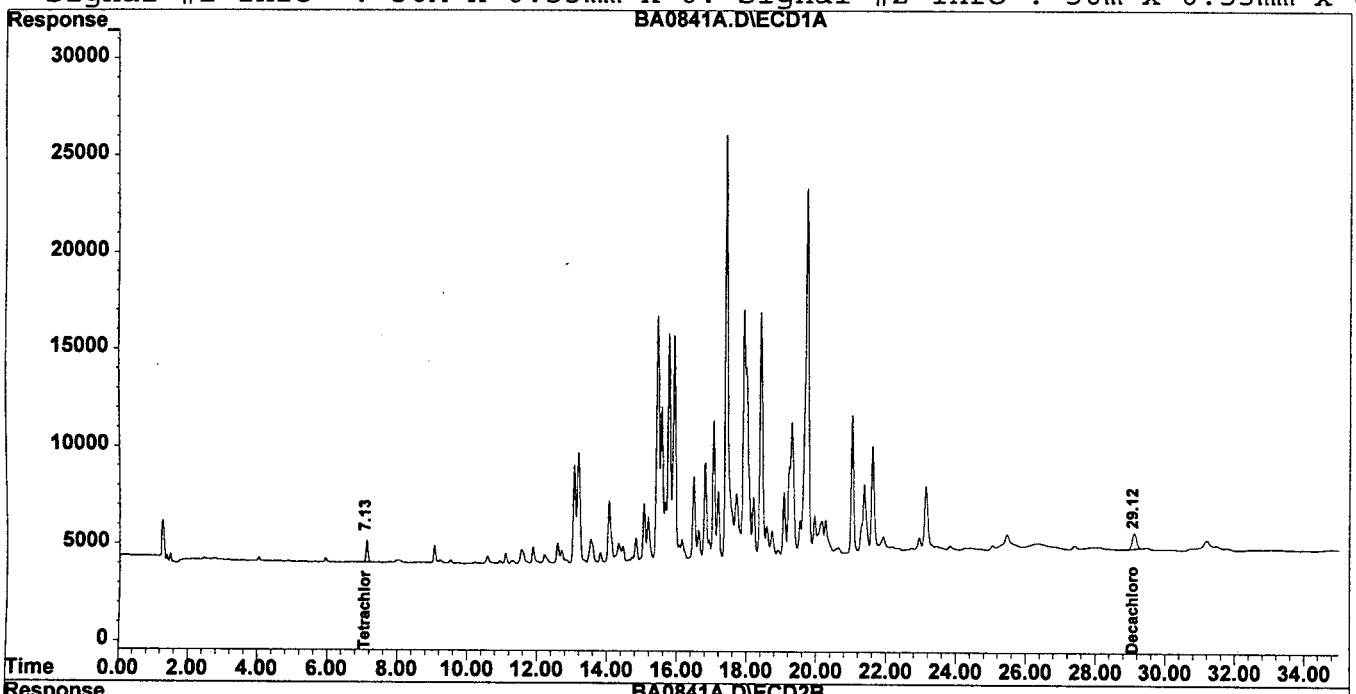
Quantitation Report

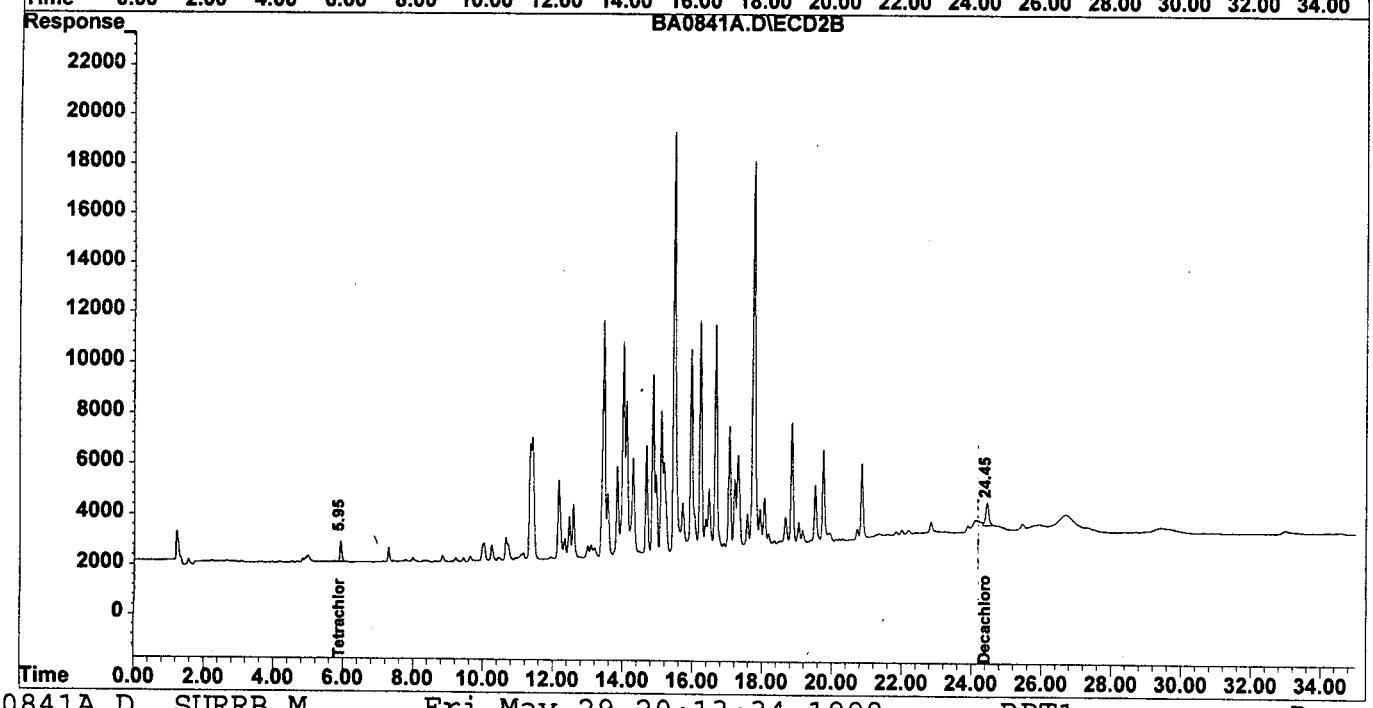
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0841A.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\BA0841A.D\ECD2B.CH
Acq On : 10 Dec 97 21:08 Operator:
Sample : 278178 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:08 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 2 8 1998

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278179
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	39.88%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	550	280
Aroclor-1221	U	U	1100	780
Aroclor-1232	U	U	550	440
Aroclor-1242	U	U	550	280
Aroclor-1248	U J	U	550	330
Aroclor-1254	~~6600~~ 6700	U	550	390
Aroclor-1260	U	U	550	440

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ 278179 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36560	25812	4.036	3.985
Spiked Amount 40.000 Range 43 - 150 Recovery =					10.09%#	9.96%#
2) SA Decachlorobiphen	29.12	24.45	59145	37823	3.930	4.241
Spiked Amount 40.000 Range 24 - 154 Recovery =					9.83%#	10.60%#
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.85	0	8715	N.D.	29.947 #
4) L1 Aroclor-1016{2}	10.59	10.26	14886	23716	31.573	41.895 #
5) L1 Aroclor-1016{3}	11.90	10.66	31391	40430	38.164	150.890 #
6) L1 Aroclor-1016{4}	0.00	12.18	0	110537	N.D.	430.878 #
7) L1 Aroclor-1016{5}	13.19	14.02	242736	338115	743.379	2292.616 #
Sum Aroclor-1016			289013	521513	813.117	2946.226
Average Aroclor-1016					271.039	589.245
					NP	NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	0.00	8.85	0	8715	N.D.	60.221 #
12) L3 Aroclor-1232{2}	0.00	10.03	0	37505	N.D.	897.781 #
13) L3 Aroclor-1232{3}	10.59	11.36	14886	123330	68.586	1480.530 #
14) L3 Aroclor-1232{4}	11.90	13.10	31391	23608	89.425	417.281 #
Sum Aroclor-1232			46277	193158	158.010	2855.813
Average Aroclor-1232					79.005	718.953
					NP	NP
15) L4 Aroclor-1242{1}	0.00	8.85	0	8715	N.D.	34.877 #
16) L4 Aroclor-1242{2}	10.59	10.03	14886	37505	40.597	488.648 #
17) L4 Aroclor-1242{3}	0.00	11.09	0	5488	N.D.	34.021 #
18) L4 Aroclor-1242{4}	0.00	12.18	0	110537	N.D.	477.665 #
19) L4 Aroclor-1242{5}	14.08	14.30	121151	176042	333.390	1969.699 #
Sum Aroclor-1242			136037	338287	373.988	3004.911
Average Aroclor-1242					186.994	600.982
					NP	NP
20) L5 Aroclor-1248{1}	10.59	10.26	14886	23716	76.735	56.940 #
21) L5 Aroclor-1248{2}	11.90	12.18	31391	110537	56.108	326.183 #
22) L5 Aroclor-1248{3}	13.19	12.48	242736	66091	587.285	208.791 #
					NP	NP

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ L78179 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{4}	14.08	13.46	121151	397887	244.090	1478.701	#
24) L5	Aroclor-1248{5}	0.00	15.47	0	707795	N.D.	5619.552	#
Sum	Aroclor-1248			410164	1306026	964.218	7690.168	
Average	Aroclor-1248					241.055	1538.034	
						NP	NP	
25) L6	Aroclor-1254{1}	14.08	11.36	121151	123330	892.561	559.400	#
26) L6	Aroclor-1254{2}	15.46	13.46	562125	397887	1524.697	950.123	#
27) L6	Aroclor-1254{3}	15.78	14.87	521843	257289	1132.362	1721.123	#
28) L6	Aroclor-1254{4}	18.42	15.47	622564	707795	1536.087	1456.579	
29) L6	Aroclor-1254{5}	19.74	17.76	1134416	726484	1314.497	1598.643	
Sum	Aroclor-1254			2962100	2212784	6400.203	6285.868	
Average	Aroclor-1254					1280.041	1257.174	
30) L7	Aroclor-1260{1}	18.00	15.96	471338	381441	905.648	1119.167	
31) L7	Aroclor-1260{2}	18.42	16.67	622564	367947	1011.399	905.057	
32) L7	Aroclor-1260{3}	19.96	17.76	86401	726484	189.357	1408.620	#
33) L7	Aroclor-1260{4}	21.04	19.77	301750	147938	647.613	236.266	#
34) L7	Aroclor-1260{5}	21.62	20.88	267507	111341	207.511	235.721	
Sum	Aroclor-1260			1749561	1735151	2961.529	3904.831	
Average	Aroclor-1260					592.306	780.966	
						NP	NP	

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JP 12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0842.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDA~1\BA0842.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ Resinato 278179 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:15 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36429	25588	1.944	2.000
Spiked Amount 40.000 Range 43 - 150 Recovery =					4.86%#	5.00%#
2) SA Decachlorobiphen	29.12	24.45	59441	38446	2.695	4.139 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					6.74%#	10.35%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.36	116742	120539	860.369m	542.517 #
4) L6 Aroclor-1254{2}	15.46	13.46	546762	394391	1425.411	941.025 #
5) L6 Aroclor-1254{3}	15.78	14.87	490110	254612	931.125	1698.199 #
6) L6 Aroclor-1254{4}	18.42	15.47	622427	703513	1451.623	1414.552
7) L6 Aroclor-1254{5}	19.74	17.76	1134348	702607	1306.199	1466.301
Sum Aroclor-1254			2910388	2175662	5974.726	6062.594
Average Aroclor-1254					1194.945	1212.519

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0842A.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDA~1\BA0842A.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ 278179 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	36429	25588	3.916	4.235
Spiked Amount 40.000 Range 43 - 150 Recovery =					9.79%#	10.59%#
2) SA Decachlorobiphen	29.12	24.45	59441	38446	3.936	4.628
Spiked Amount 40.000 Range 24 - 154 Recovery =					9.84%#	11.57%#

Target Compounds

3 9 6B

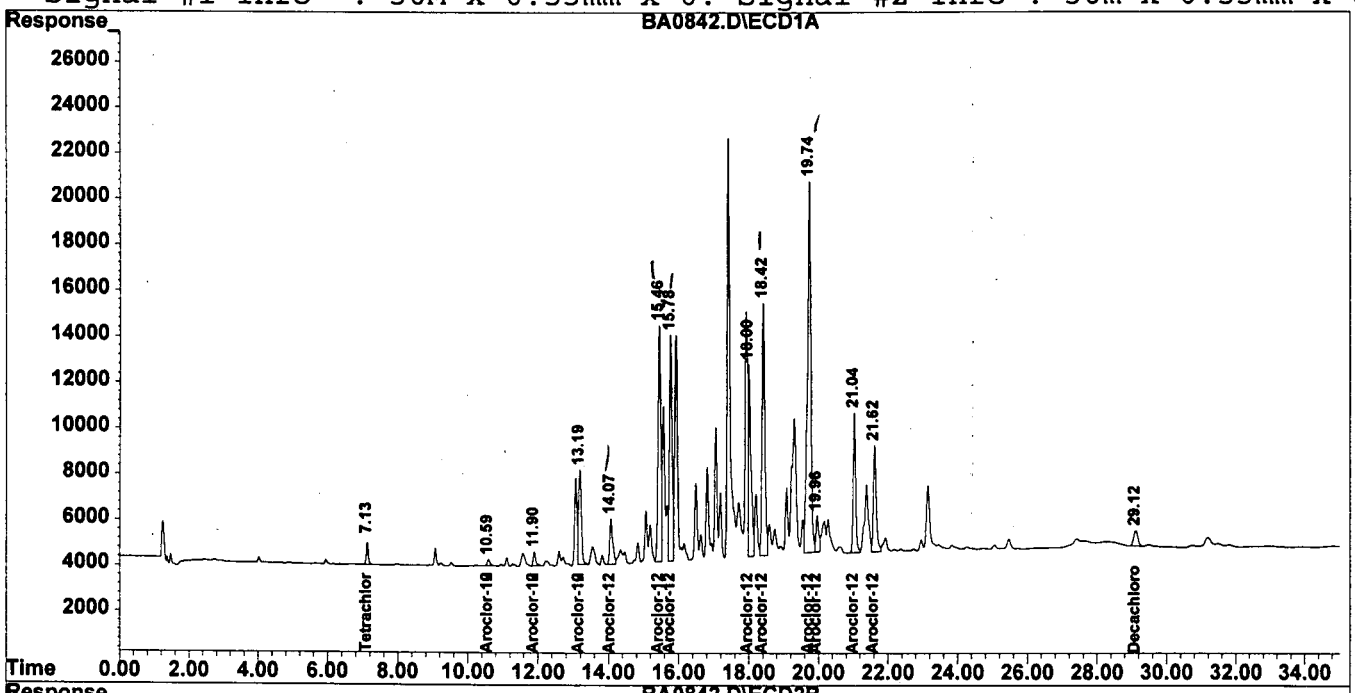
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

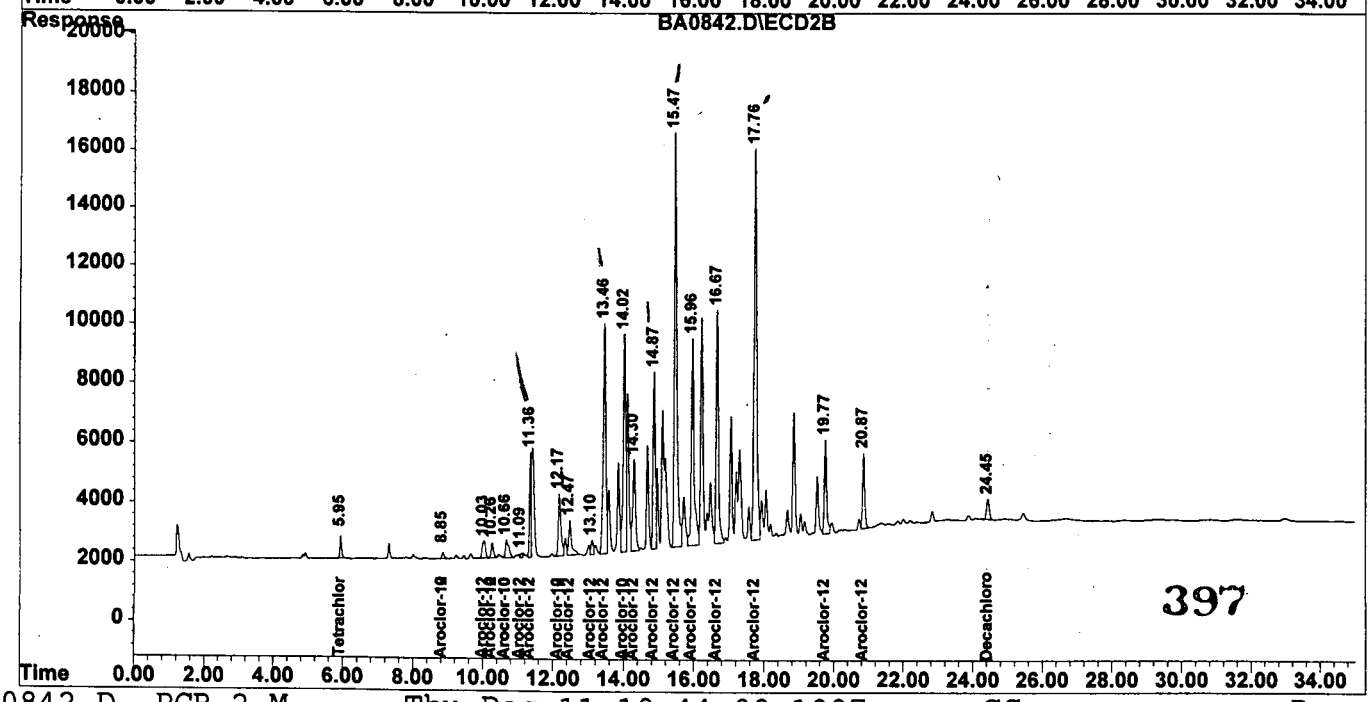
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_B\BA0842.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ 278179 1:10 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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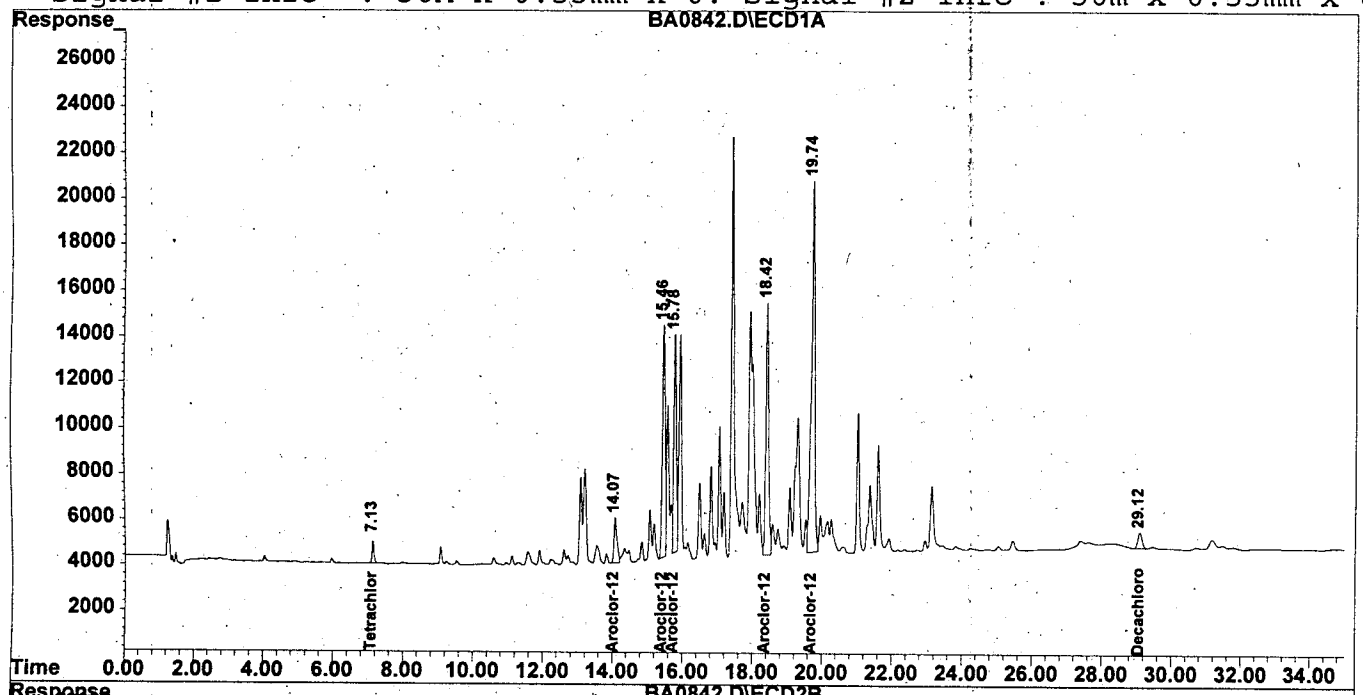
Quantitation Report

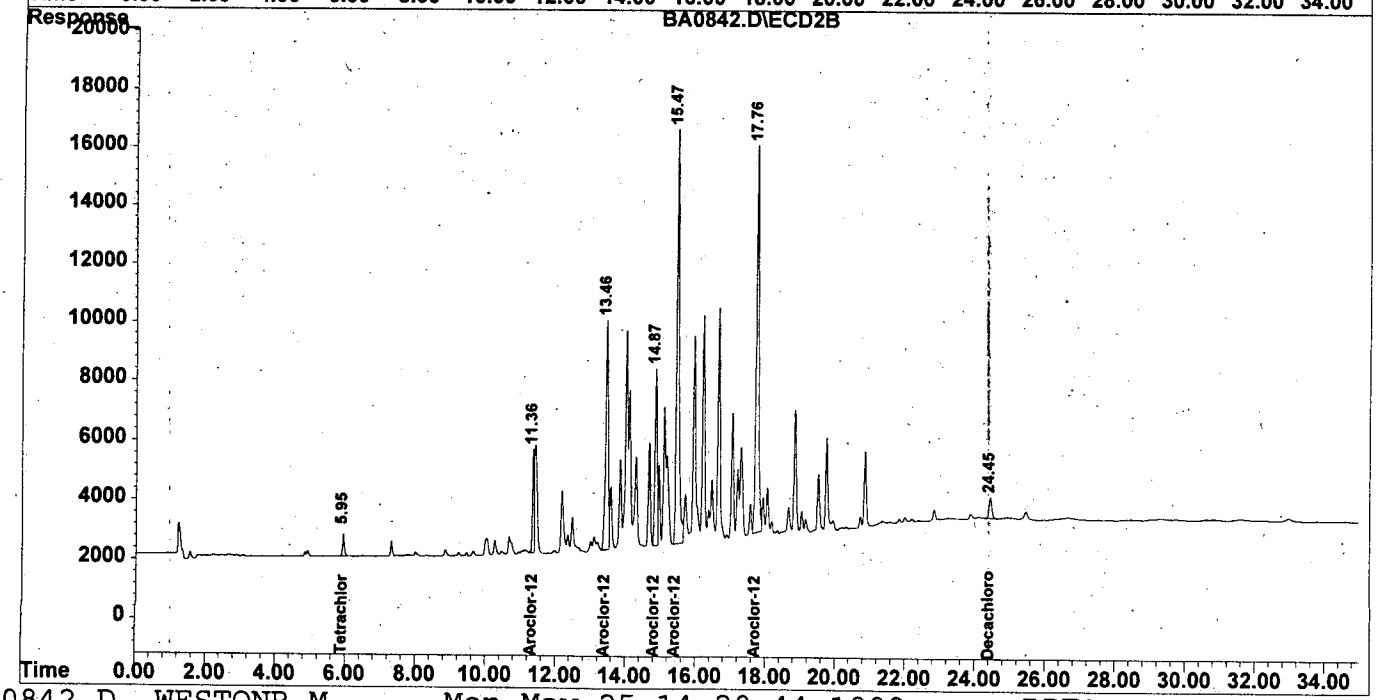
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0842.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDA~1\BA0842.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~27818 1:10~~ 2781791:16 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:15 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





397A

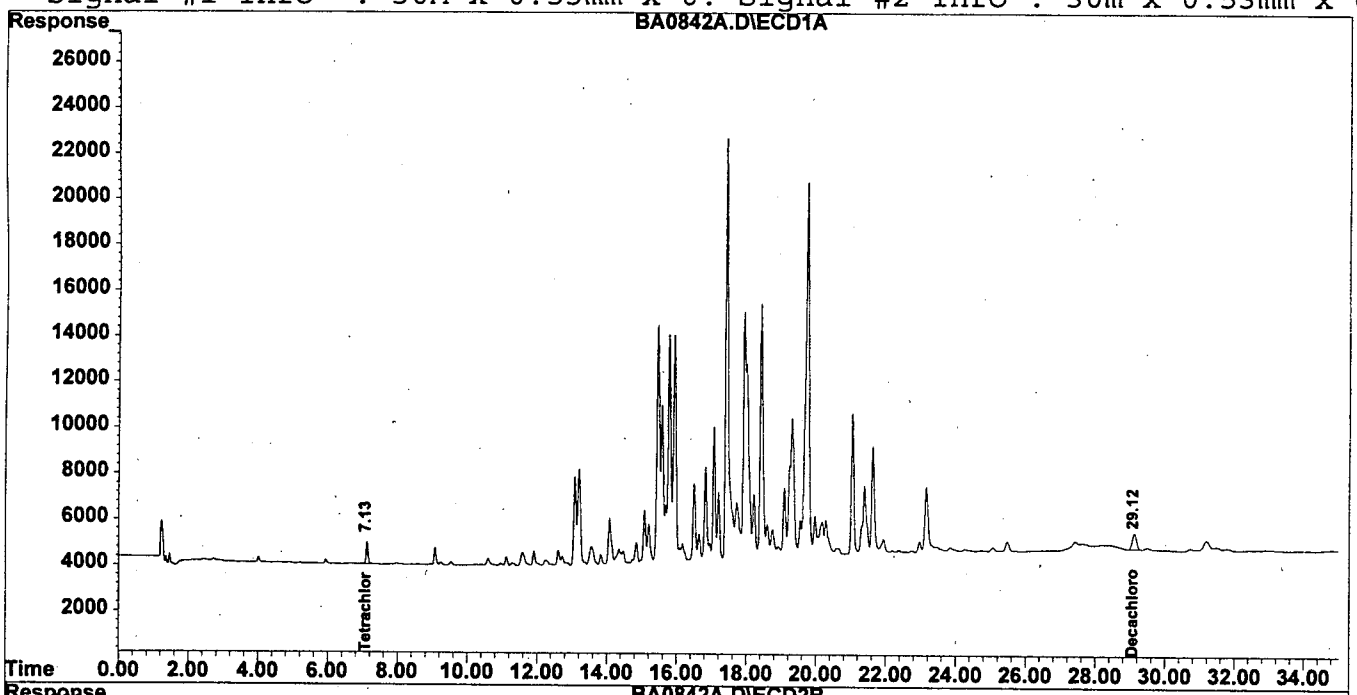
Quantitation Report

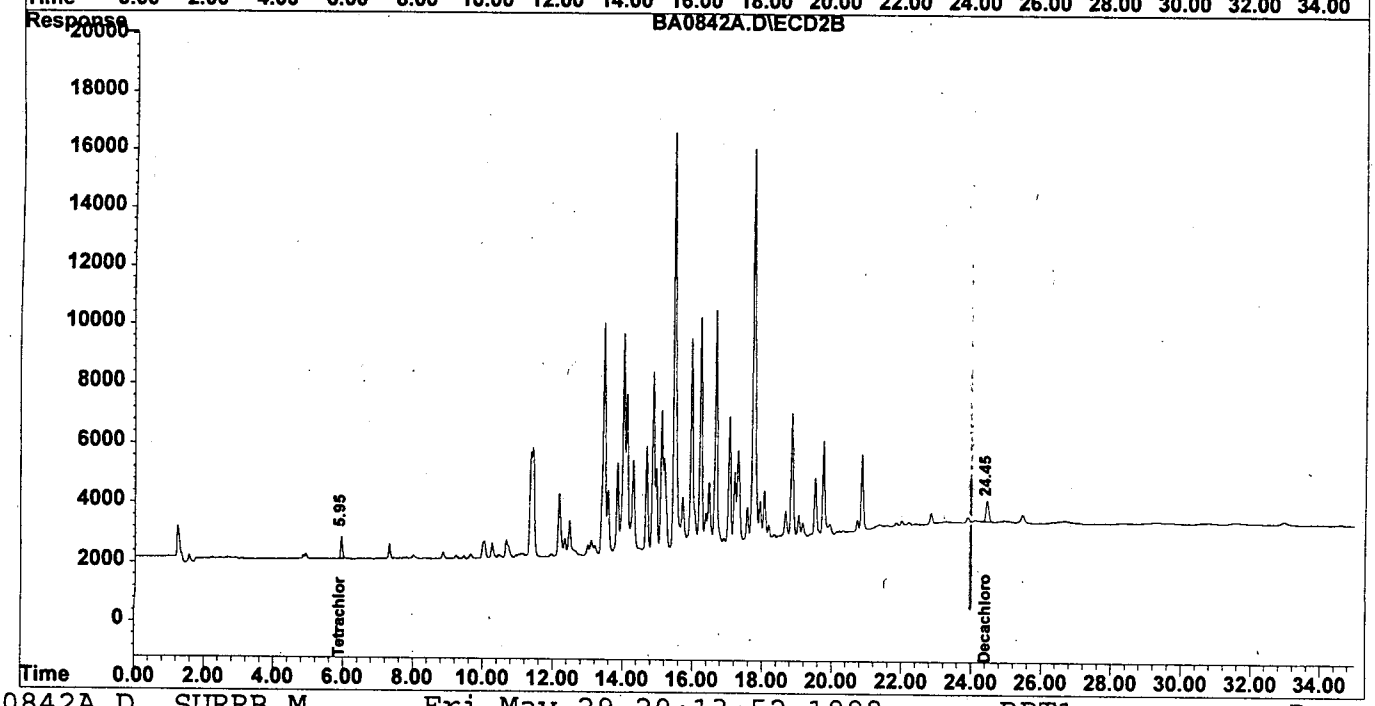
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0842A.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDA~1\BA0842A.D\ECD2B.CH
Acq On : 10 Dec 97 21:47 Operator:
Sample : ~~278180 1:10~~ 278179 1:10 [illegible] Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278180
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	43.92%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	59	30
Aroclor-1221	U	U	120	83
Aroclor-1232	U	U	59	48
Aroclor-1242	U	U	59	30
Aroclor-1248	U J	U	59	36
Aroclor-1254	~~1300~~ 1400	U	59	42
Aroclor-1260	U	U	59	48

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	352980	240300	38.964	37.101	
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.41%	92.75%	
2) SA Decachlorobiphen	28.99	24.36	570636	355480	37.919	39.861	
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.80%	99.65%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.24	0.00	17794	0	83.593	N.D.	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	641068	N.D.	4346.819	#
Sum Aroclor-1016			17794	641068	83.593	4346.819	
Average Aroclor-1016					83.593	4346.819	
10) L2 Aroclor-1221{3}	0.00	7.68	0	7846	N.D.	32.167	#
Sum Aroclor-1221			0	7846	N.D.	32.167	
Average Aroclor-1221					0.000	32.167	
12) L3 Aroclor-1232{2}	0.00	10.00	0	7131	N.D.	170.709	#
13) L3 Aroclor-1232{3}	0.00	11.31	0	276782	N.D.	3322.674	#
14) L3 Aroclor-1232{4}	0.00	13.12	0	86485	N.D.	1528.680	#
Sum Aroclor-1232			0	370399	N.D.	5022.063	
Average Aroclor-1232					0.000	1674.021	
16) L4 Aroclor-1242{2}	0.00	10.00	0	7131	N.D.	92.914	#
17) L4 Aroclor-1242{3}	11.33	0.00	51827	0	467.474	N.D.	#
19) L4 Aroclor-1242{5}	14.05	14.25	59835	215352	164.659	2409.530	#
Sum Aroclor-1242			111662	222484	632.133	2502.445	
Average Aroclor-1242					316.067	1251.222	
22) L5 Aroclor-1248{3}	13.16	12.54	122509	195368	296.402	617.198	#
23) L5 Aroclor-1248{4}	14.05	13.52	59835	164449	120.554	611.154	#
24) L5 Aroclor-1248{5}	16.13	0.00	93710	0	248.560	N.D.	#
Sum Aroclor-1248			276054	359817	665.517	1228.352	
Average Aroclor-1248					221.839	614.176	
25) L6 Aroclor-1254{1}	14.05	11.31	59835	276782	440.830	1255.432	#
26) L6 Aroclor-1254{2}	15.43	13.41	717503	729031	1946.139	1740.868	

399

JRS 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
27) L6	Aroclor-1254{3}	15.74	14.81	1099351	374346	2385.515	2504.171
28) L6	Aroclor-1254{4}	18.37	15.42	1403795	1472546	3463.660	3030.368
29) L6	Aroclor-1254{5}	19.69	17.71	2915643	1775643	3378.479	3907.339
Sum	Aroclor-1254			6196128	4628347	11614.623	~~12438.178~~
Average	Aroclor-1254					2322.925	~~2487.636~~
34) L7	Aroclor-1260{5}	0.00	20.93	0	12861	N.D.	27.228 #
Sum	Aroclor-1260			0	12861	N.D.	27.228
Average	Aroclor-1260					0.000	27.228

REPORT THIS VALUE
DMW 12/16/97

400

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0818.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0818.D\ECD2B.CH
Acq On : 10 Dec 97 4:17
Sample : 278180
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:24 1998 Quant Results File: WESTONB.RES

Vial: 17
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	349189	238334	18.634	18.632
Spiked Amount 40.000 Range 43 - 150 Recovery =					46.59%	46.58%
2) SA Decachlorobiphen	28.99	24.37	572155	346154	25.945	37.265 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.86%	93.16%
Target Compounds						
3) L6 Aroclor-1254{1}	14.05	11.31	64578	272799	475.929m	1227.807 #
4) L6 Aroclor-1254{2}	15.43	13.41	708715	728455	1847.624	1738.109
5) L6 Aroclor-1254{3}	15.74	14.81	1087652	374104	2066.351	2495.177
6) L6 Aroclor-1254{4}	18.37	15.42	1296279	1471405	3023.180	2958.549
7) L6 Aroclor-1254{5}	19.69	17.71	2882512	1753734	3319.207	3659.944
Sum Aroclor-1254			6039735	4600496	10732.290	12079.585
Average Aroclor-1254					2146.458	2415.917

4 0 ~~00~~ 5/2 dP

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0818A.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0818A.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:42 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	349189	238334	37.536	39.441
Spiked Amount 40.000 Range 43 - 150 Recovery =					93.84%	98.60%
2) SA Decachlorobiphen	28.99f	24.36f	570636	340654	37.785m	41.005m
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.46%	102.51%

Target Compounds

4 0 0B

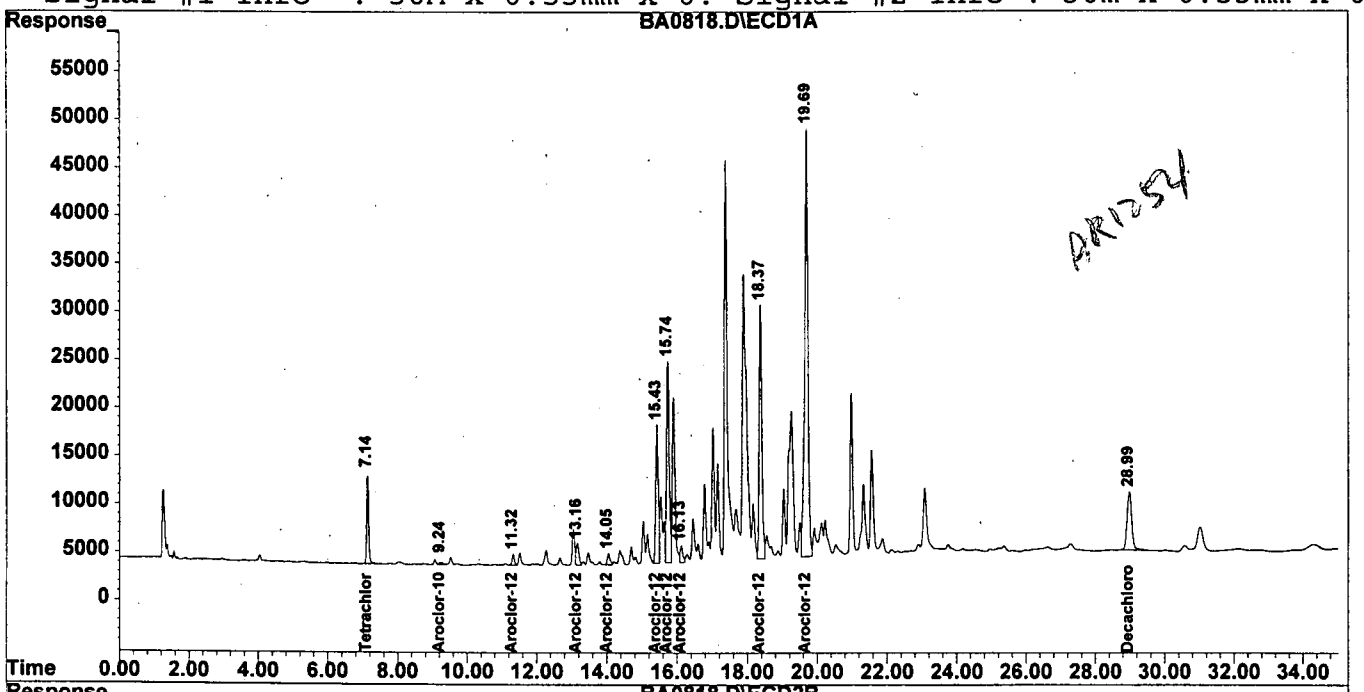
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

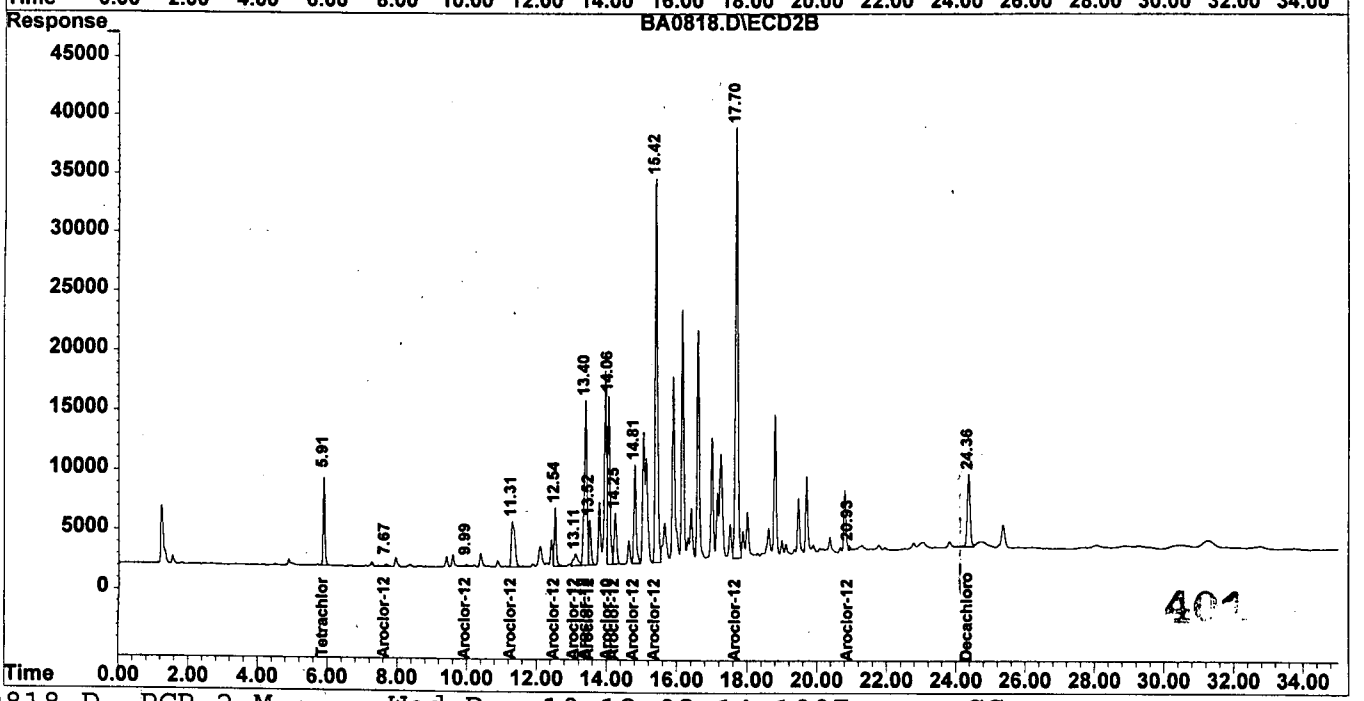
Signal #1 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_B\BA0818.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



AR1254



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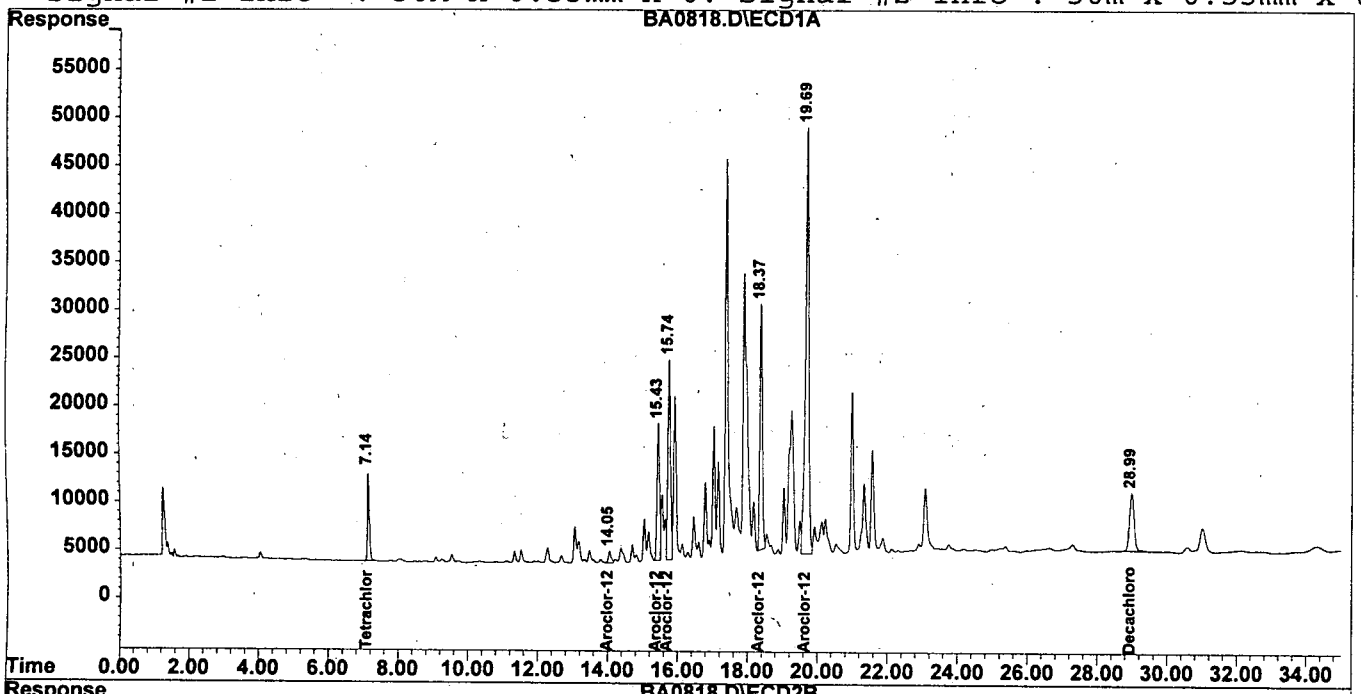
Quantitation Report

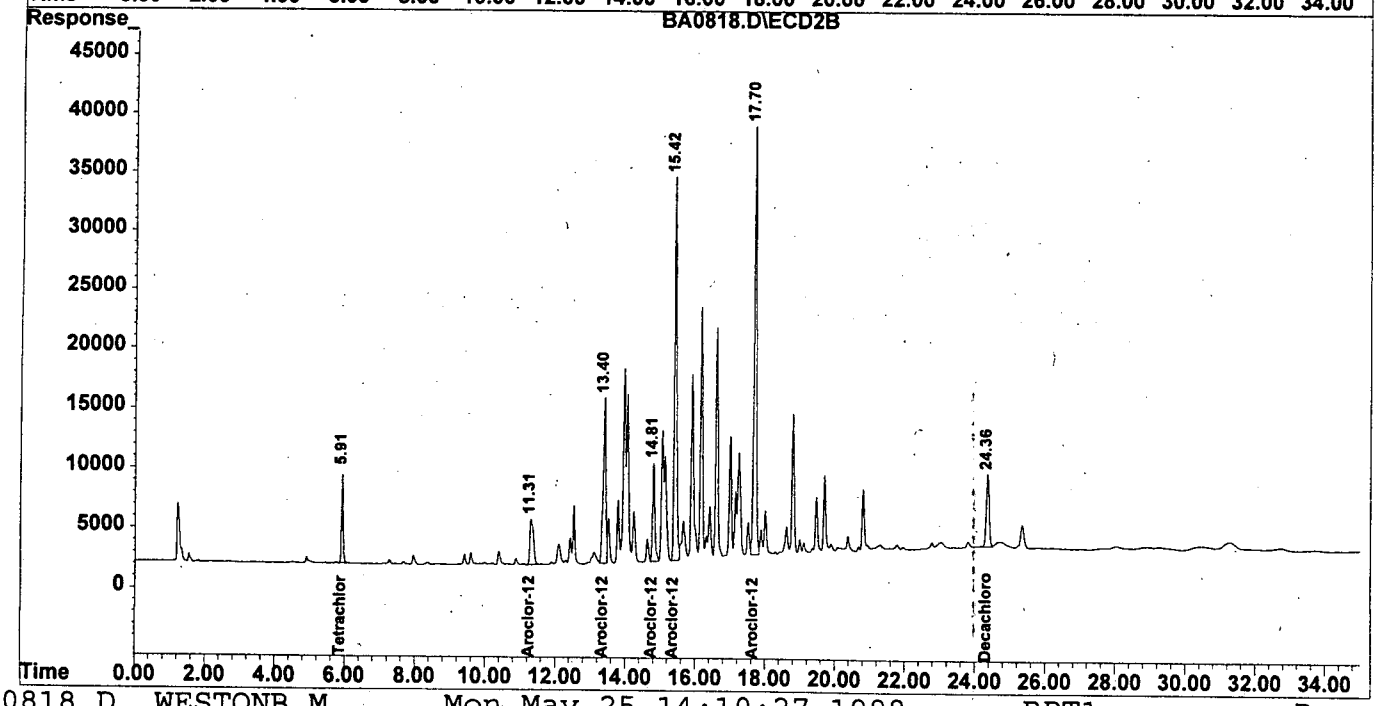
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0818.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0818.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:24 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





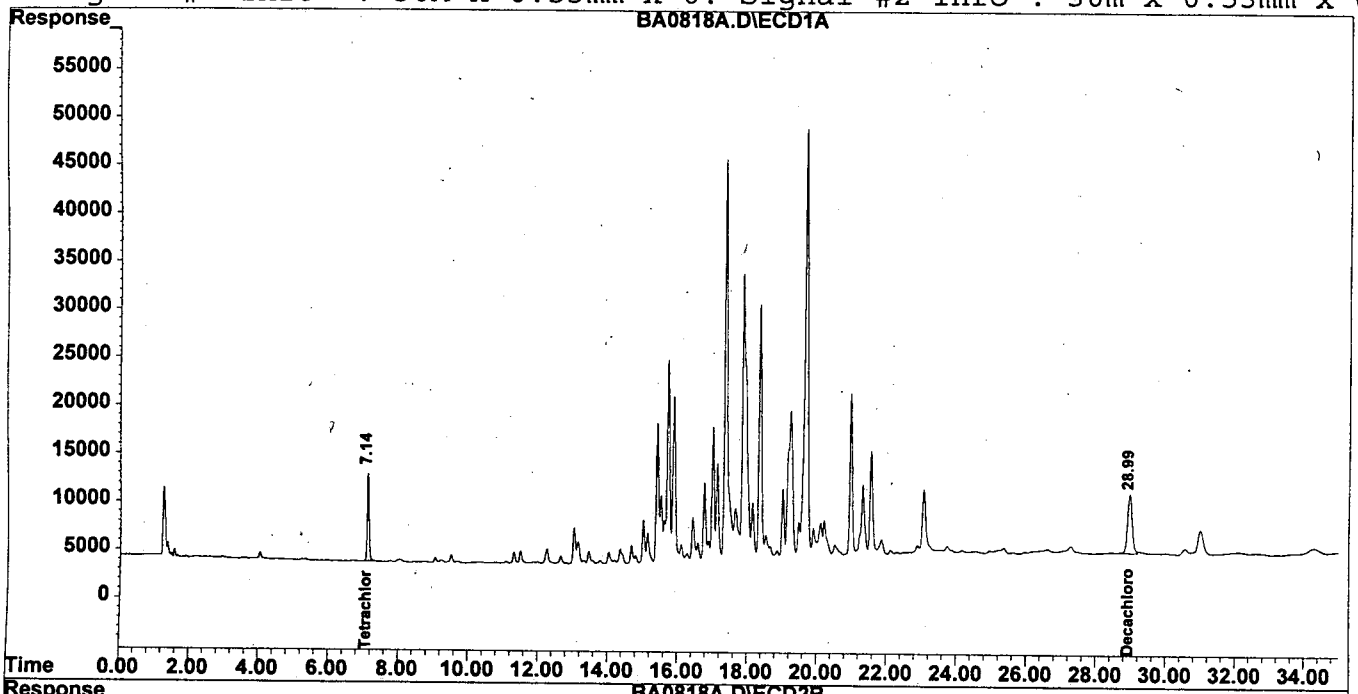
4 0 1A

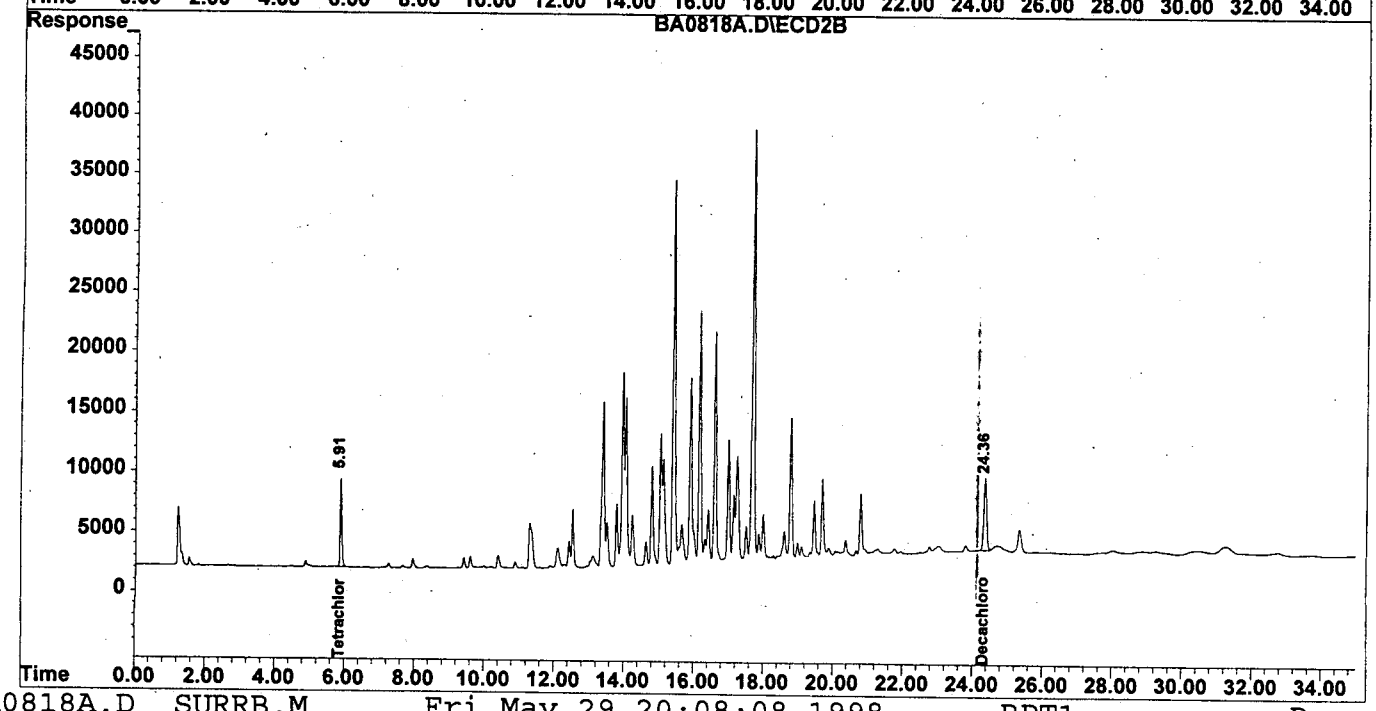
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0818A.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0818A.D\ECD2B.CH
Acq On : 10 Dec 97 4:17 Operator:
Sample : 278180 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:42 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278181
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSD2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	48.7%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	65	32
Aroclor-1221	U	U	130	91
Aroclor-1232	U	U	65	52
Aroclor-1242	U	U	65	32
Aroclor-1248	U J	U	65	39
Aroclor-1254	~~1200~~ 1400	U	65	45
Aroclor-1260	U	U	65	52

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	357535	242325	39.467	37.413	
Spiked Amount 40.000	Range	43 - 150	Recovery	=	98.67%	93.53%	
2) SA Decachlorobiphen	28.99	24.36	549359	331012	36.505	37.118	
Spiked Amount 40.000	Range	24 - 154	Recovery	=	91.26%	92.80%	
Target Compounds							
7) L1 Aroclor-1016{5}	0.00	14.06	0	517310	N.D.	3507.666	#
Sum Aroclor-1016			0	517310	N.D.	3507.666	
Average Aroclor-1016					0.000	3507.666	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
12) L3 Aroclor-1232{2}	0.00	9.99	0	24775	N.D.	593.060	#
13) L3 Aroclor-1232{3}	0.00	11.31	0	234470	N.D.	2814.734	#
14) L3 Aroclor-1232{4}	11.88	13.14	17631	34715	50.226	613.605	#
Sum Aroclor-1232			17631	293960	50.226	4021.398	
Average Aroclor-1232					50.226	1340.466	
16) L4 Aroclor-1242{2}	0.00	9.99	0	24775	N.D.	322.794	#
17) L4 Aroclor-1242{3}	11.33	11.10	19471	10286	175.624	63.766	#
19) L4 Aroclor-1242{5}	14.05	14.25	58284	151991	160.390	1700.601	#
Sum Aroclor-1242			77755	187053	336.014	2087.160	
Average Aroclor-1242					168.007	695.720	
20) L5 Aroclor-1248{1}	0.00	10.21	0	14551	N.D.	34.935	#
21) L5 Aroclor-1248{2}	11.88	0.00	17631	0	31.514	N.D.	#
22) L5 Aroclor-1248{3}	13.16	12.54	169520	665640	410.143	2102.861	#
23) L5 Aroclor-1248{4}	14.05	13.52	58284	129134	117.429	479.912	#
24) L5 Aroclor-1248{5}	16.12	0.00	80440	0	213.360	N.D.	#
Sum Aroclor-1248			325875	809325	772.446	2617.708	
Average Aroclor-1248					193.111	872.569	
25) L6 Aroclor-1254{1}	14.05	11.31	58284	234470	429.401	1063.513	#
26) L6 Aroclor-1254{2}	15.43	13.41	583888	592311	1583.724	1414.392	

403

MS 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
27) L6	Aroclor-1254{3}	15.74	14.81	867356	386027	1882.101	2582.311	#
28) L6	Aroclor-1254{4}	18.37	15.42	1247622	1267483	3078.325	2608.367	
29) L6	Aroclor-1254{5}	19.69	17.70	2615258	1603768	3030.411	3529.124	
Sum	Aroclor-1254			5372407	4084059	10003.961	11197.707	
Average	Aroclor-1254					2000.792	2239.541	
Sum	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

REPORT THIS VALUE
12/11/97

00 404

12/10/02

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0819.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDA~1\BA0819.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:24 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	355871	237914	18.991	18.599
Spiked Amount 40.000 Range 43 - 150 Recovery =					47.48%	46.50%
2) SA Decachlorobiphen	28.99	24.36	550070	331114	24.943	35.646 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					62.36%	89.11%
Target Compounds						
3) L6 Aroclor-1254{1}	14.05	11.31	75362	230417	555.405m	1037.056 #
4) L6 Aroclor-1254{2}	15.43	13.41	583888	591890	1522.198	1412.260
5) L6 Aroclor-1254{3}	15.74	14.81	867356	384294	1647.826	2563.146 #
6) L6 Aroclor-1254{4}	18.37	15.42	1247622	1264644	2909.702	2542.816
7) L6 Aroclor-1254{5}	19.69	17.70	2615258	1552644	3011.465	3240.282
Sum Aroclor-1254			5389485	4023889	9646.596	10795.559
Average Aroclor-1254					1929.319	2159.112

404A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0819A.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDA~1\BA0819A.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:43 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	355871	237914	38.255	39.372
Spiked Amount 40.000 Range 43 - 150 Recovery =					95.64%	98.43%
2) SA Decachlorobiphen	28.98f	24.36f	556036	358142	36.819m	43.110m
Spiked Amount 40.000 Range 24 - 154 Recovery =					92.05%	107.78%

Target Compounds

404B

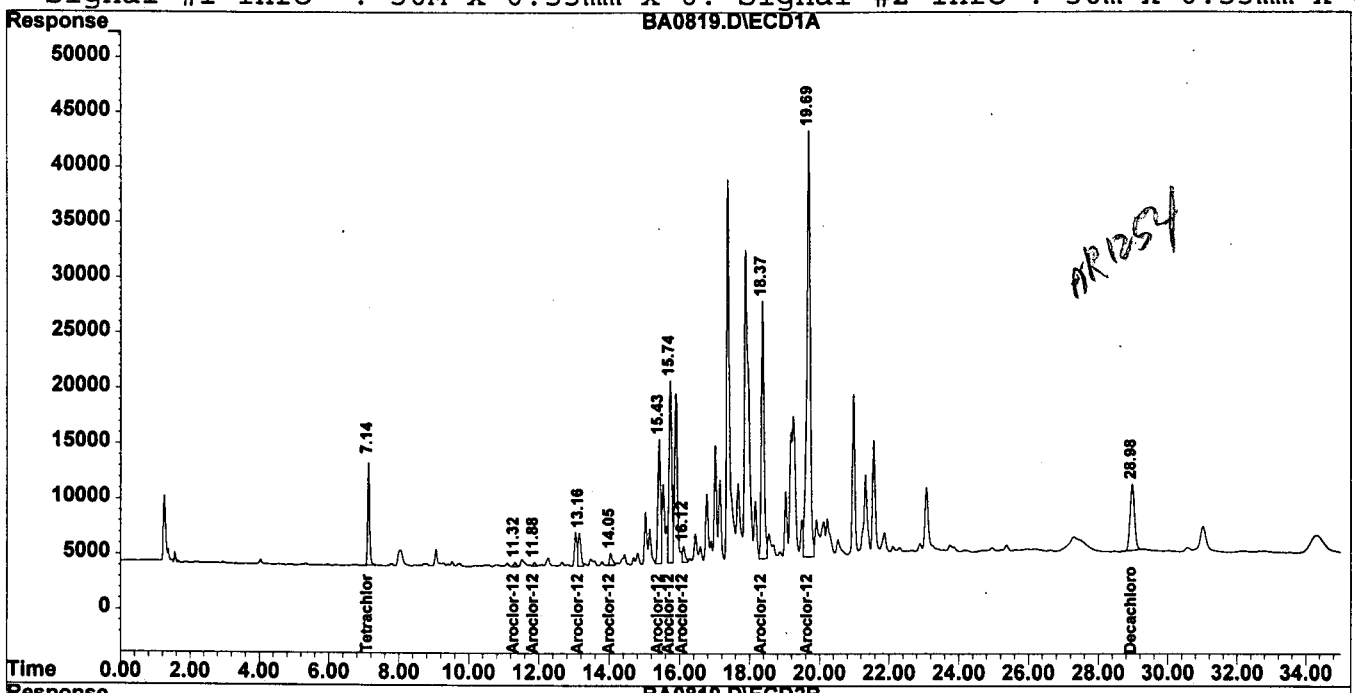
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

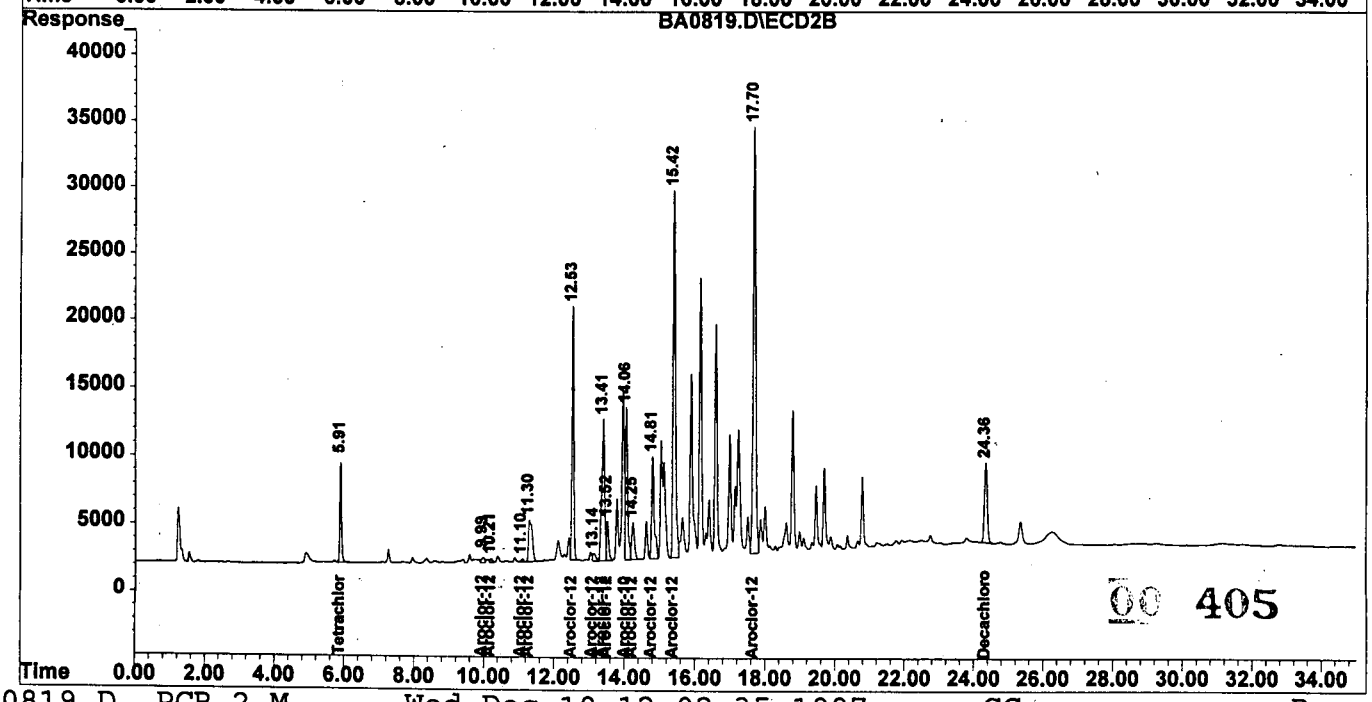
Signal #1 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_B\BA0819.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



AR1254



00 405

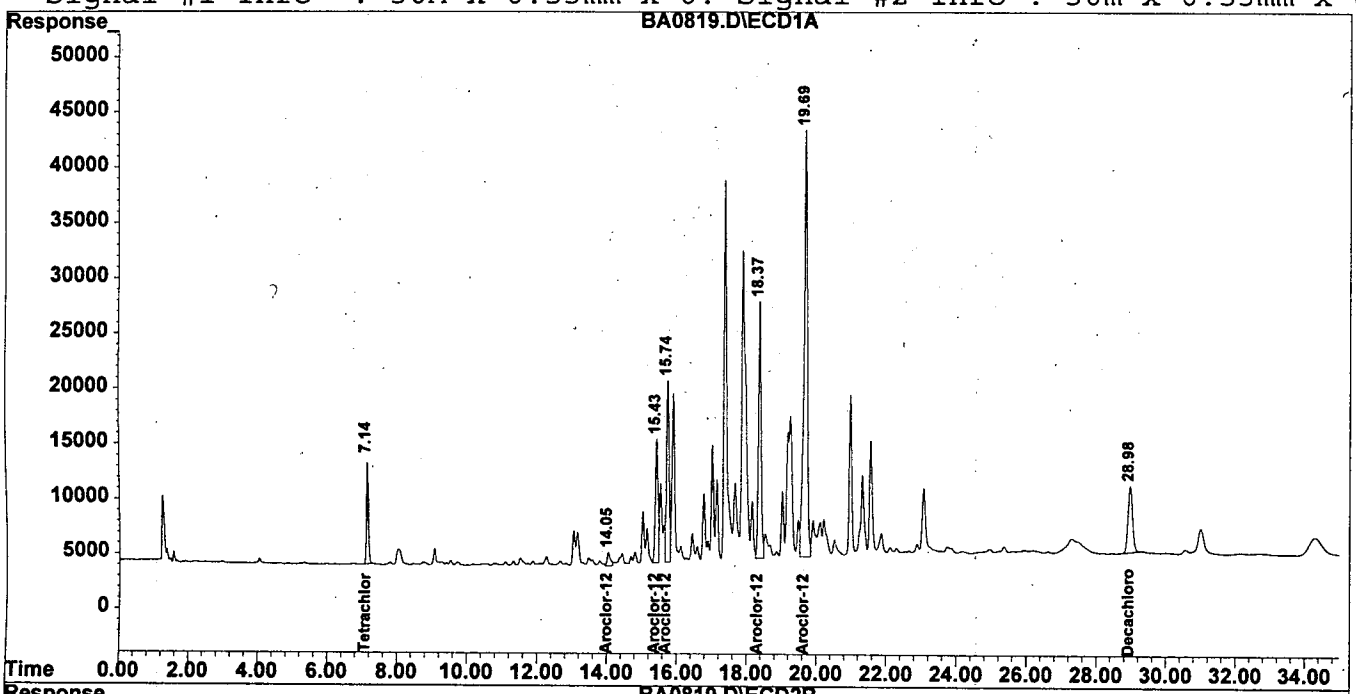
Quantitation Report

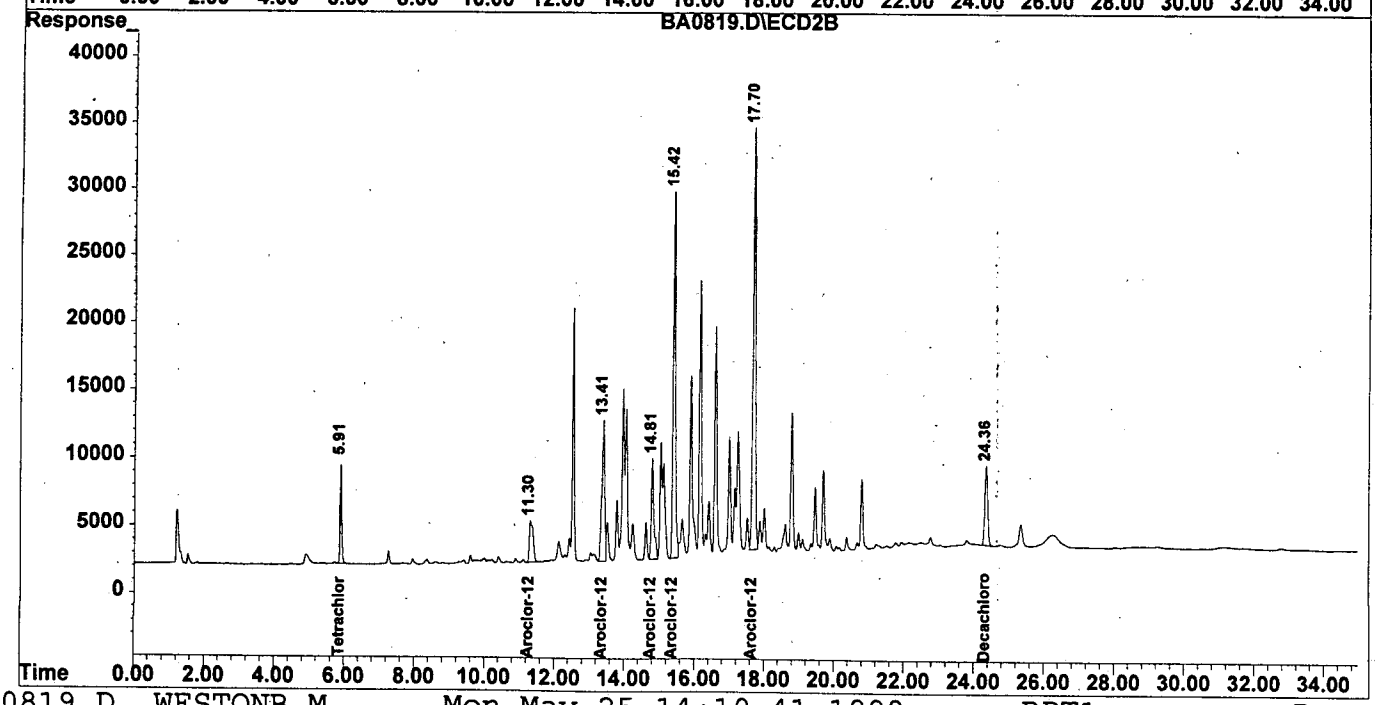
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0819.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDA~1\BA0819.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:24 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





405A

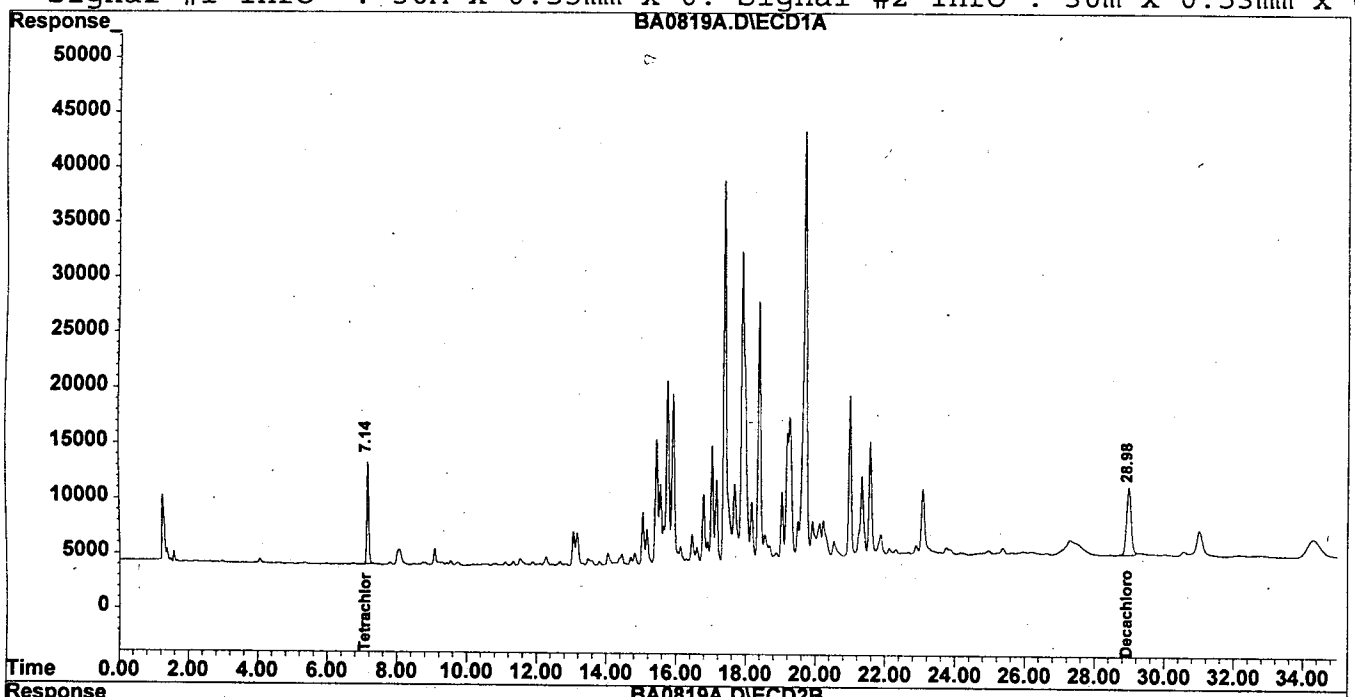
Quantitation Report

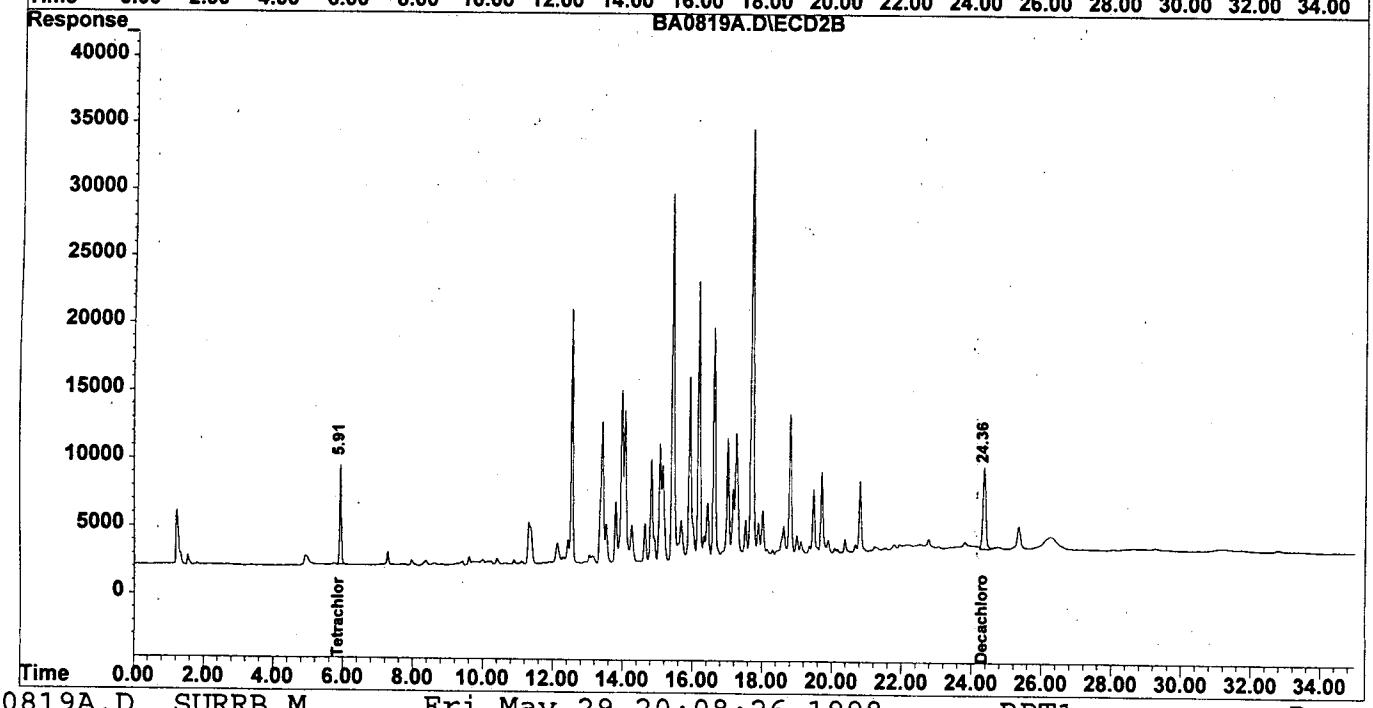
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0819A.D\ECD1A.CH Vial: 18
Signal #2 : E:\WESTDA~1\BA0819A.D\ECD2B.CH
Acq On : 10 Dec 97 4:56 Operator:
Sample : 278181 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:43 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278182
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	10.26%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	37	18
Aroclor-1221	U	U	74	52
Aroclor-1232	U	U	37	30
Aroclor-1242	U	U	37	18
Aroclor-1248	U J	U	37	22
Aroclor-1254	840	U	37	26
Aroclor-1260	U	U	37	30

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	364713	249356	40.259	38.499	
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.65%	96.25%	
2) SA Decachlorobiphen	28.99	24.36	543866	345776	36.140	38.773	
Spiked Amount 40.000 Range 24 - 154 Recovery =					90.35%	96.93%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	0.00	40665	0	191.037	N.D.	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	409644	N.D.	2777.628	#
Sum Aroclor-1016			40665	409644	191.037	2777.628	
Average Aroclor-1016					191.037	2777.628	
9) L2 Aroclor-1221{2}	0.00	7.44	0	6117	N.D.	86.750	#
Sum Aroclor-1221			0	6117	N.D.	86.750	
Average Aroclor-1221					0.000	86.750	
11) L3 Aroclor-1232{1}	0.00	8.80	0	13562	N.D.	93.712	#
12) L3 Aroclor-1232{2}	0.00	9.96	0	46728	N.D.	1118.545	#
13) L3 Aroclor-1232{3}	0.00	11.35	0	226569	N.D.	2719.889	#
14) L3 Aroclor-1232{4}	11.88	13.15	50840	32823	144.829	580.161	#
Sum Aroclor-1232			50840	319682	144.829	4512.307	
Average Aroclor-1232					144.829	1128.077	
15) L4 Aroclor-1242{1}	0.00	8.80	0	13562	N.D.	54.272	#
16) L4 Aroclor-1242{2}	0.00	9.96	0	46728	N.D.	608.807	#
18) L4 Aroclor-1242{4}	12.83	0.00	24267	0	140.878	N.D.	#
19) L4 Aroclor-1242{5}	14.05	14.24	108857	221516	299.559	2478.491	#
Sum Aroclor-1242			133124	281805	440.437	3141.571	
Average Aroclor-1242					220.218	1047.190	
20) L5 Aroclor-1248{1}	0.00	10.21	0	46204	N.D.	110.932	#
21) L5 Aroclor-1248{2}	11.88	12.13	50840	120667	90.871	356.076	#
22) L5 Aroclor-1248{3}	13.16	12.53	187222	144286	452.973	455.822	
23) L5 Aroclor-1248{4}	14.05	13.53	108857	189184	219.320	703.081	#
Sum Aroclor-1248			346918	500342	763.164	1625.911	
Average Aroclor-1248					254.388	406.478	

00 407

10/20/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L6	Aroclor-1254{1}	14.05	11.35	108857	226569	801.986	1027.677	#
26) L6	Aroclor-1254{2}	15.42	13.40	947315	575724	2569.477	1374.784	#
27) L6	Aroclor-1254{3}	15.74	14.82	844356	455370	1832.192	3046.177	#
28) L6	Aroclor-1254{4}	18.37	15.41	1415186	1204853	3491.766	2479.481	#
29) L6	Aroclor-1254{5}	19.69	17.70	2749638	1712710	3186.122	3768.854	
Sum	Aroclor-1254			6065351	4175227	11881.543	11696.974	
Average	Aroclor-1254					2376.309	2339.395	
Sum	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

12/10/97 CC 408

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0820.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0820.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:25 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	364353	243934	19.443	19.070	
Spiked Amount 40.000 Range 43 - 150 Recovery =					48.61%	47.68%	
2) SA Decachlorobiphen	28.99	24.36	543866	342310	24.662	36.851	#
Spiked Amount 40.000 Range 24 - 154 Recovery =					61.65%	92.13%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.05	11.35	111360	217310	820.704m	978.063	
4) L6 Aroclor-1254{2}	15.42	13.40	942792	574436	2457.863	1370.615	#
5) L6 Aroclor-1254{3}	15.74	14.82	841152	450383	1598.044	3003.938	#
6) L6 Aroclor-1254{4}	18.37	15.41	1412679	1195745	3294.649	2404.282	#
7) L6 Aroclor-1254{5}	19.69	17.70	2748133	1708308	3164.469	3565.142	
Sum Aroclor-1254			6056115	4146181	11335.729	11322.040	
Average Aroclor-1254					2267.146	2264.408	

408A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0820A.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0820A.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:43 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	364353	243934	39.166	40.368
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.91%	100.92%
2) SA Decachlorobiphen	28.99f	24.36f	539726	351710	35.739m	42.336m
Spiked Amount 40.000 Range 24 - 154 Recovery =					89.35%	105.84%

Target Compounds

408B

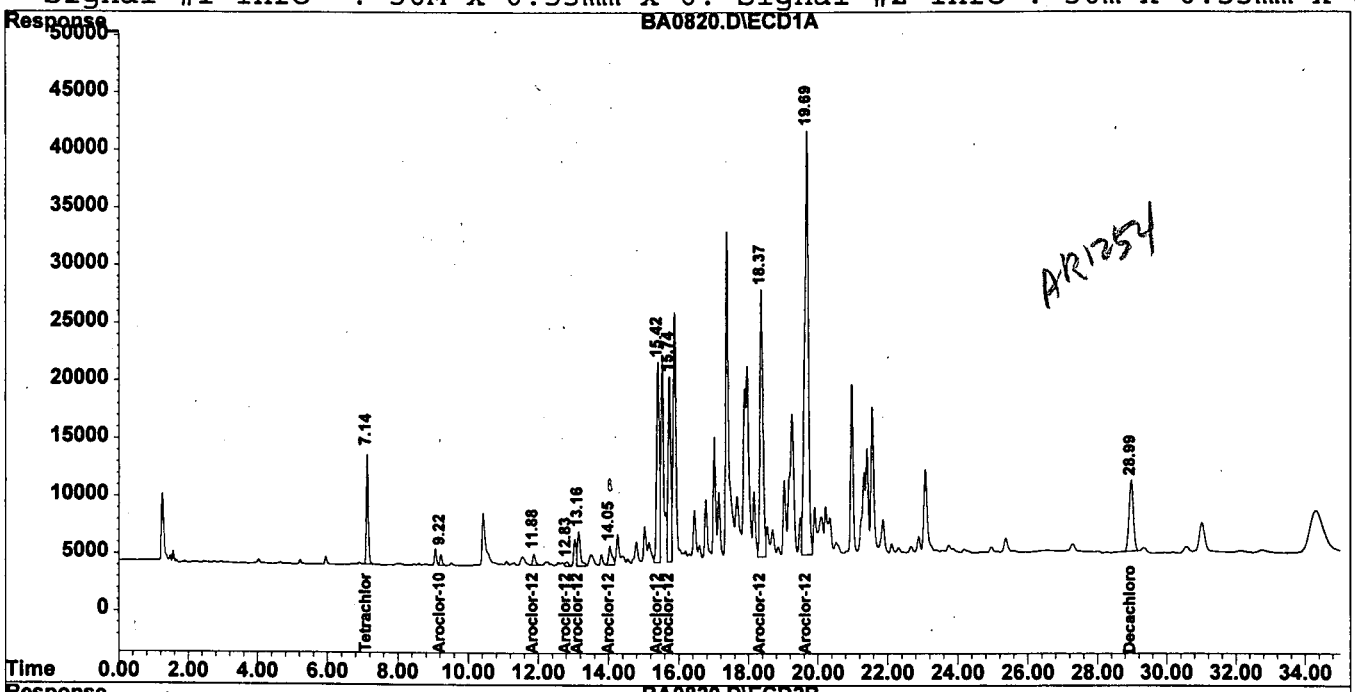
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_B\BA0820.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:02 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



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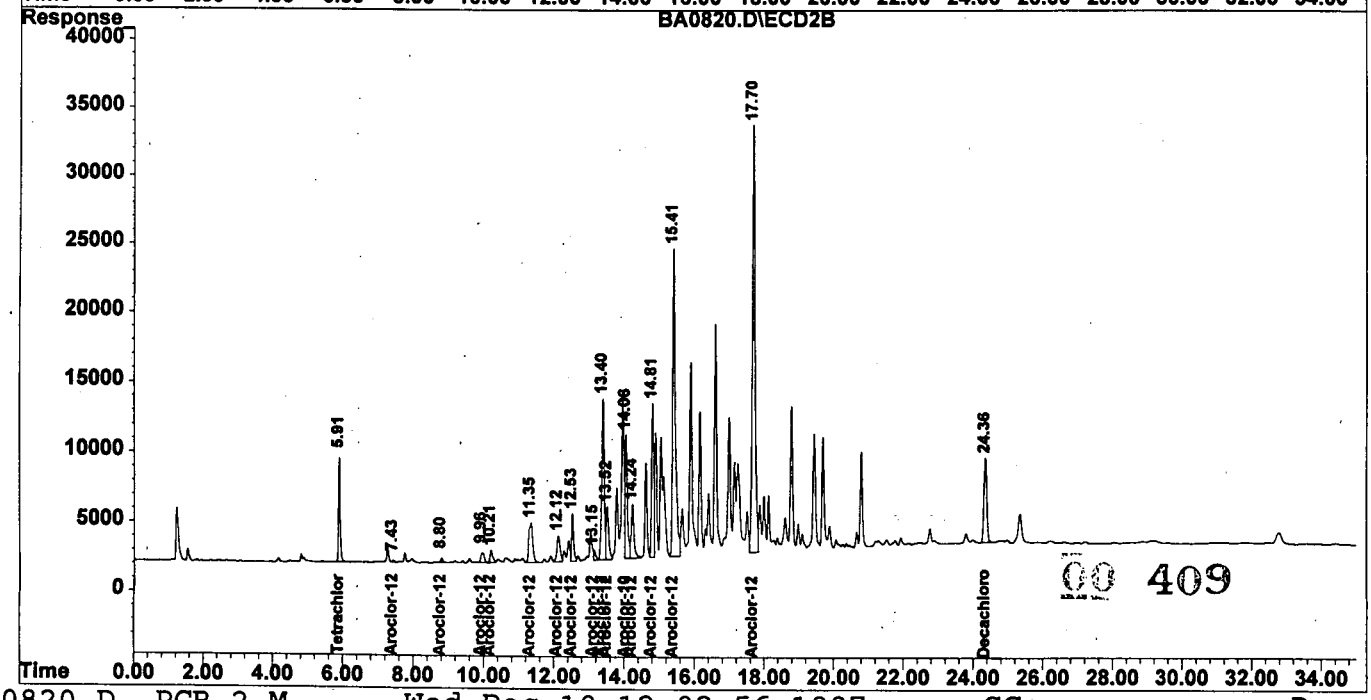

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Quantitation Report

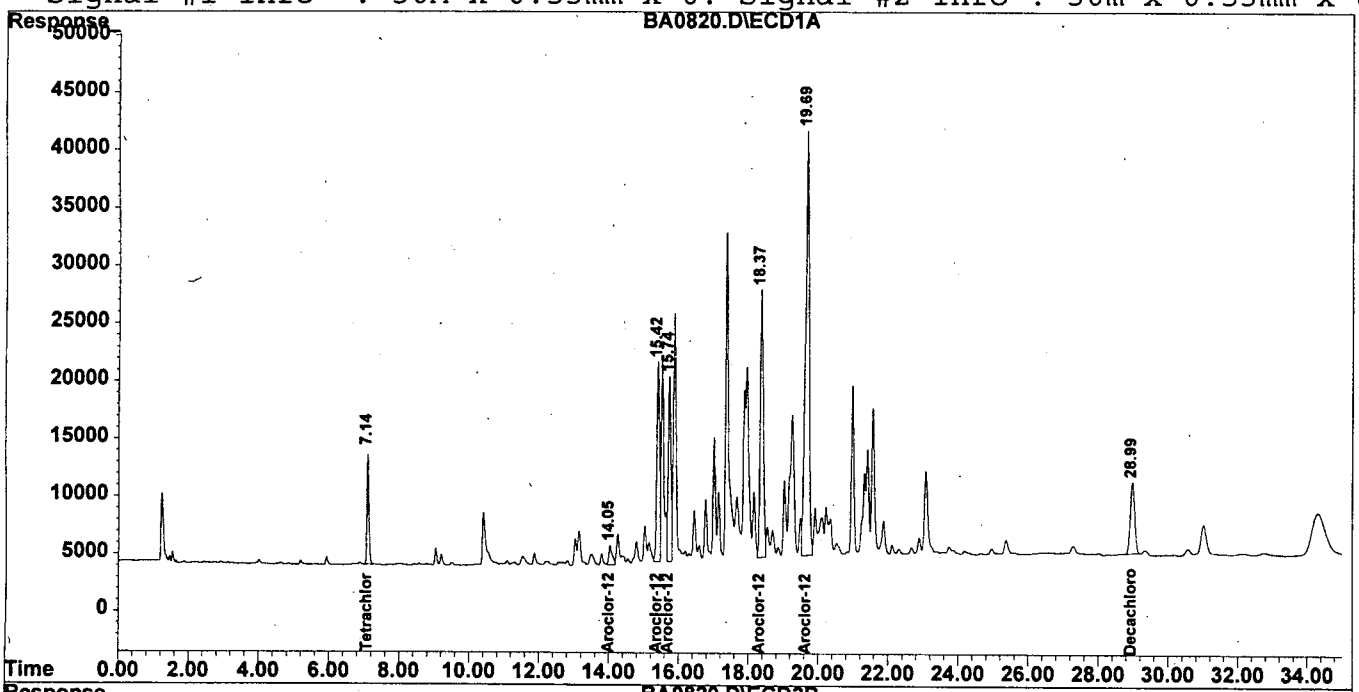
AMENDED REPORT MAY 2 8 1998

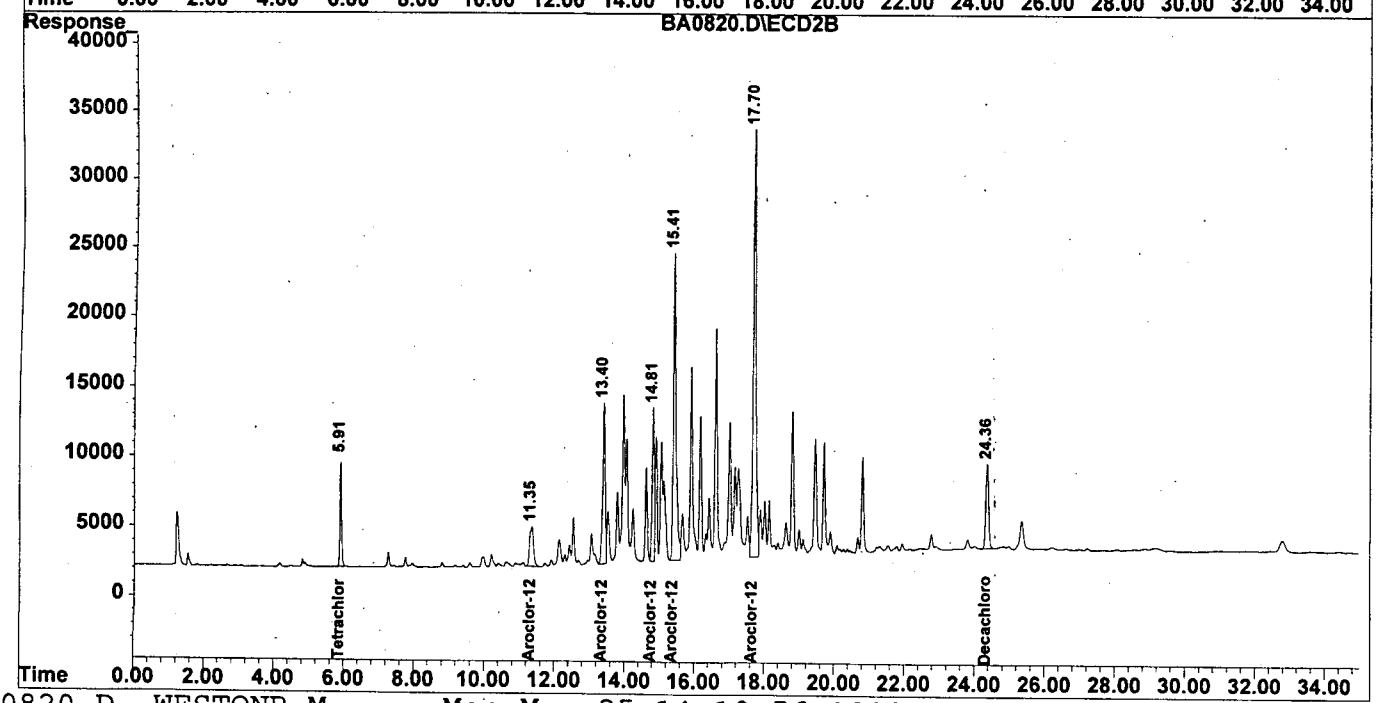
Signal #1 : E:\WESTDA~1\BA0820.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0820.D\ECD2B.CH
Acq On : 10 Dec 97 5:34
Sample : 278182
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:25 1998 Quant Results File: WESTONB.RES

Vial: 19
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





409A

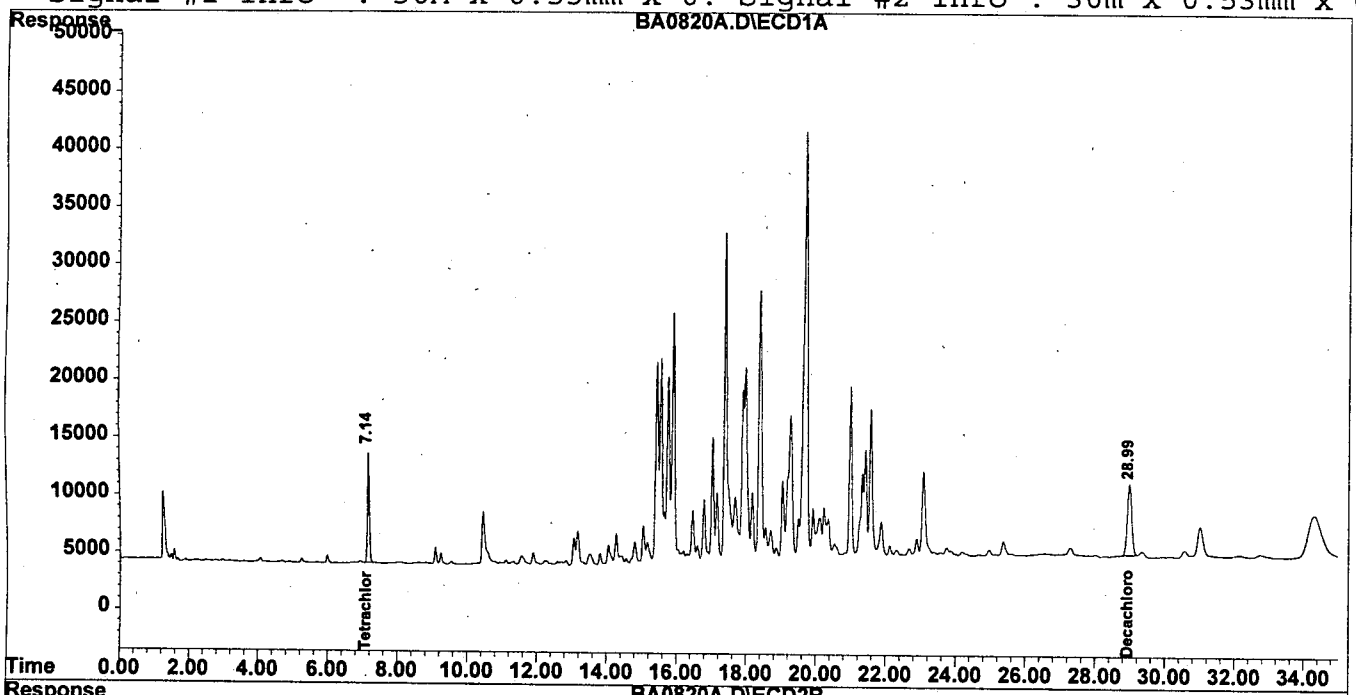
Quantitation Report

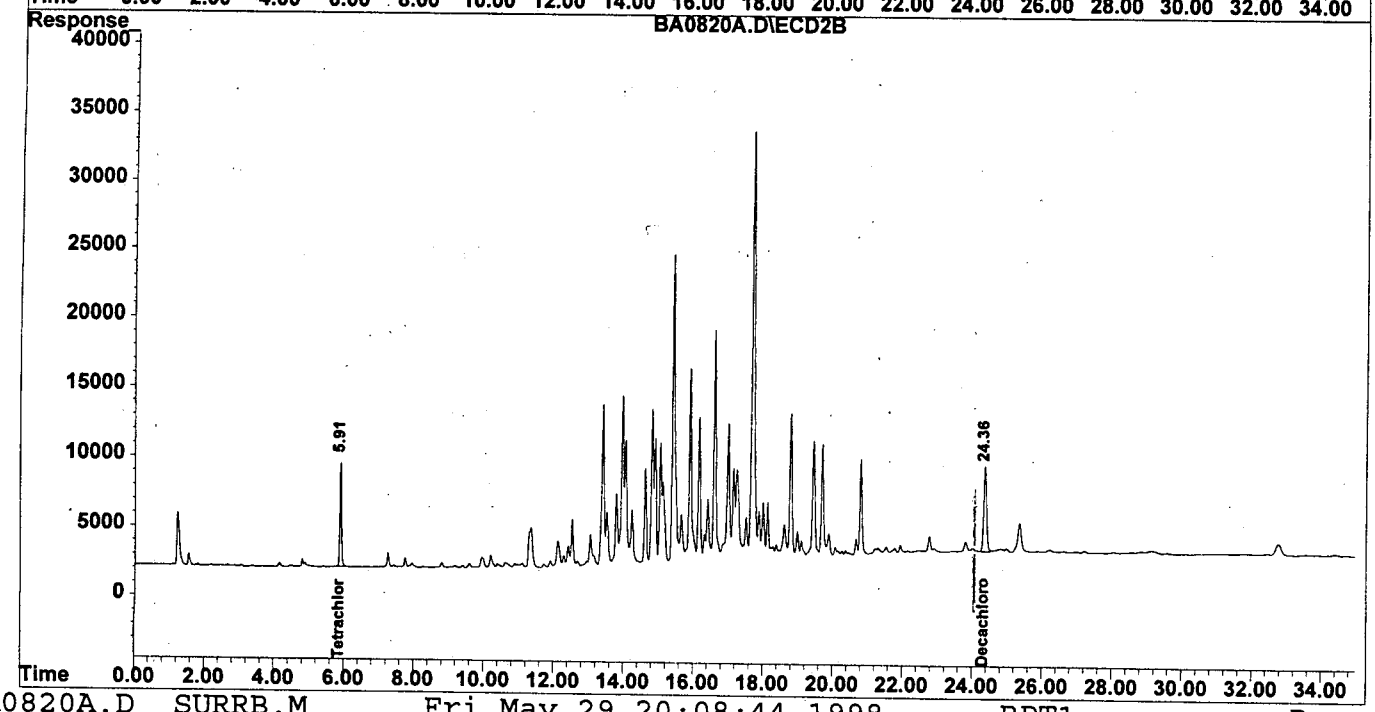
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0820A.D\ECD1A.CH Vial: 19
Signal #2 : E:\WESTDA~1\BA0820A.D\ECD2B.CH
Acq On : 10 Dec 97 5:34 Operator:
Sample : 278182 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:43 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278183
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	22.12%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	43	21
Aroclor-1221	U	U	86	60
Aroclor-1232	U	U	43	34
Aroclor-1242	U	U	43	21
Aroclor-1248	U J	U	43	26
Aroclor-1254	~~630~~ 420	U	43	30
Aroclor-1260	U	U	43	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	353926	240907	39.069	37.194	
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.67%	92.99%	
2) SA Decachlorobiphen	28.99	24.36	567904	356348	37.738	39.959	
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.35%	99.90%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	0.00	129796	0	609.767	N.D.	#
5) L1 Aroclor-1016{3}	11.89	0.00	29260	0	35.573	N.D.	#
6) L1 Aroclor-1016{4}	12.42	12.14	17332	86197	61.906	335.999	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	124222	N.D.	842.300	#
Sum Aroclor-1016			176389	210419	707.247	1178.300	
Average Aroclor-1016					235.749	589.150	
9) L2 Aroclor-1221{2}	0.00	7.44	0	7084	N.D.	100.451	#
Sum Aroclor-1221			0	7084	N.D.	100.451	
Average Aroclor-1221					0.000	100.451	
11) L3 Aroclor-1232{1}	0.00	8.80	0	10232	N.D.	70.703	#
12) L3 Aroclor-1232{2}	0.00	10.00	0	53753	N.D.	1286.720	#
13) L3 Aroclor-1232{3}	0.00	11.31	0	113596	N.D.	1363.682	#
14) L3 Aroclor-1232{4}	11.89	13.15	29260	37770	83.355	667.606	#
Sum Aroclor-1232			29260	215351	83.355	3388.712	
Average Aroclor-1232					83.355	847.178	
15) L4 Aroclor-1242{1}	0.00	8.80	0	10232	N.D.	40.947	#
16) L4 Aroclor-1242{2}	0.00	10.00	0	53753	N.D.	700.342	#
17) L4 Aroclor-1242{3}	0.00	11.10	0	30111	N.D.	186.671	#
18) L4 Aroclor-1242{4}	0.00	12.14	0	86197	N.D.	372.485	#
19) L4 Aroclor-1242{5}	14.13	14.24	21432	177498	58.979	1985.989	#
Sum Aroclor-1242			21432	357792	58.979	3286.435	
Average Aroclor-1242					58.979	657.287	
20) L5 Aroclor-1248{1}	0.00	10.21	0	40627	N.D.	97.542	#
21) L5 Aroclor-1248{2}	11.89	12.14	29260	86197	52.300	254.358	#
22) L5 Aroclor-1248{3}	13.15	12.53	76900	82135	186.055	259.476	#

00 411

RS 12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
3) L5	Aroclor-1248{4}	14.13	13.53	21432	105362	43.181	391.567	#
24) L5	Aroclor-1248{5}	0.00	15.50	0	259504	N.D.	2060.341	#
Sum	Aroclor-1248			127593	573826	281.536	3063.284	
verage	Aroclor-1248					93.845	612.657	
						NP	NP	
25) L6	Aroclor-1254{1}	~~14.13~~	11.31	~~21432~~	113596	~~157.901~~	515.251	#
6) L6	Aroclor-1254{2}	~~15.53~~	13.41	~~1053836~~	281542	~~2858.401~~	672.301	#
7) L6	Aroclor-1254{3}	15.74	~~14.82~~	281616	~~520086~~	611.087	~~3479.092~~	#
28) L6	Aroclor-1254{4}	18.39	15.41	849676	479020	2096.451	985.780	#
9) L6	Aroclor-1254{5}	19.62f	17.70	1673936	923000	1939.661m	2031.082	
Sum	Aroclor-1254			3880496	2317244	7663.502	7683.506	
Average	Aroclor-1254					1532.700	1536.701	
0) L7	Aroclor-1260{1}	0.00	16.05	0	19940	N.D.	58.506	#
Sum	Aroclor-1260			0	19940	N.D.	58.506	
Average	Aroclor-1260					0.000	58.506	
							NP	

REPORT THIS VALUE DMW 12/16/97

00 412

12/10/2

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0821.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0821.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:26 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	346538	232190	18.493	18.152
Spiked Amount 40.000 Range 43 - 150 Recovery =					46.23%	45.38%
2) SA Decachlorobiphen	28.99	24.36	567705	331692	25.743	35.708 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.36%	89.27%
Target Compounds						
3) L6 Aroclor-1254{1}	14.04	11.31	47198	103857	347.841m	467.439 #
4) L6 Aroclor-1254{2}	15.40	13.41	906556	280677	2363.396m	669.701 #
5) L6 Aroclor-1254{3}	15.53f	~~14.82~~	976566	511728	1855.307m	~~3413.092~~ #
6) L6 Aroclor-1254{4}	18.39	15.41	849667	463768	1981.592	932.497 #
7) L6 Aroclor-1254{5}	19.68	17.70	799442	898128	920.556	1874.343 #
Sum Aroclor-1254			3579429	2258158	7468.693	~~7357.072~~
Average Aroclor-1254					1493.739	~~1471.414~~ 985.996

interferences

incorrect pks used for identification and quantification. Use RTx-1701 column result.

412A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0821A.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0821A.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	346538	232190	37.251	38.425
Spiked Amount 40.000 Range 43 - 150 Recovery =					93.13%	96.06%
2) SA Decachlorobiphen	28.98f	24.36f	550665	335889	36.463m	40.432m
Spiked Amount 40.000 Range 24 - 154 Recovery =					91.16%	101.08%

Target Compounds

4 1 2B

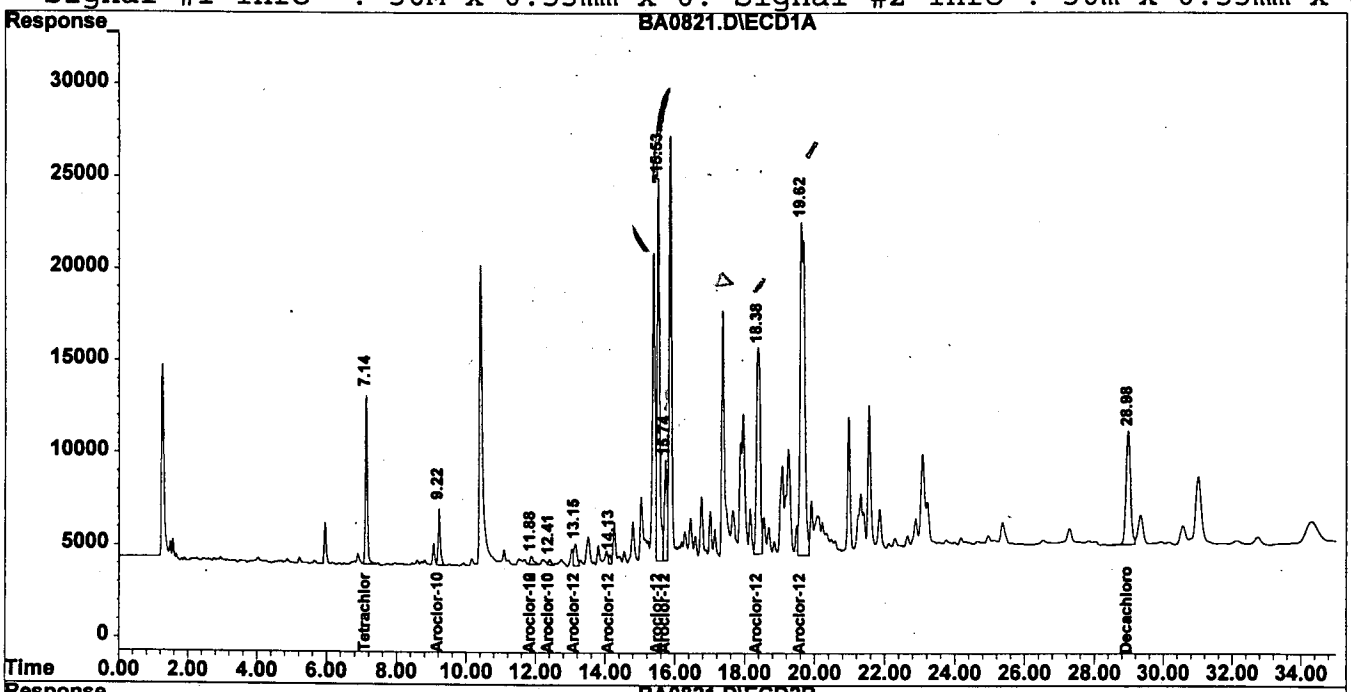
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

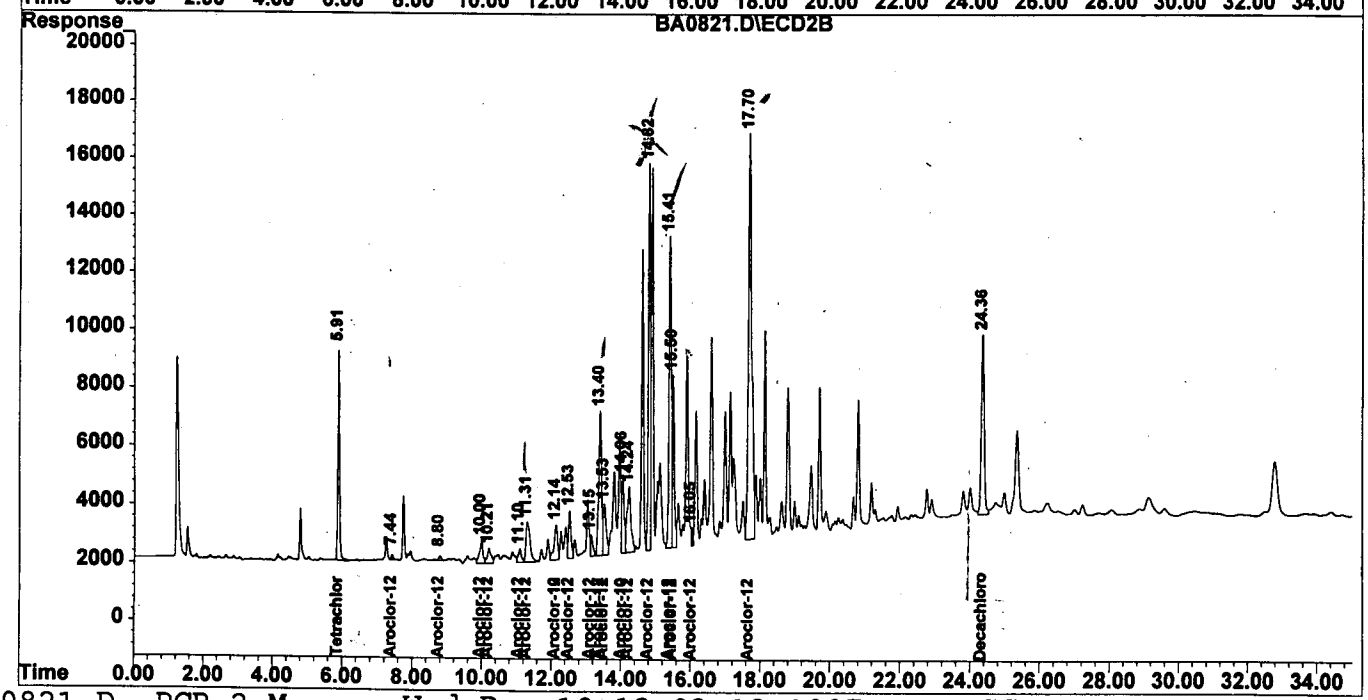
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_B\BA0821.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





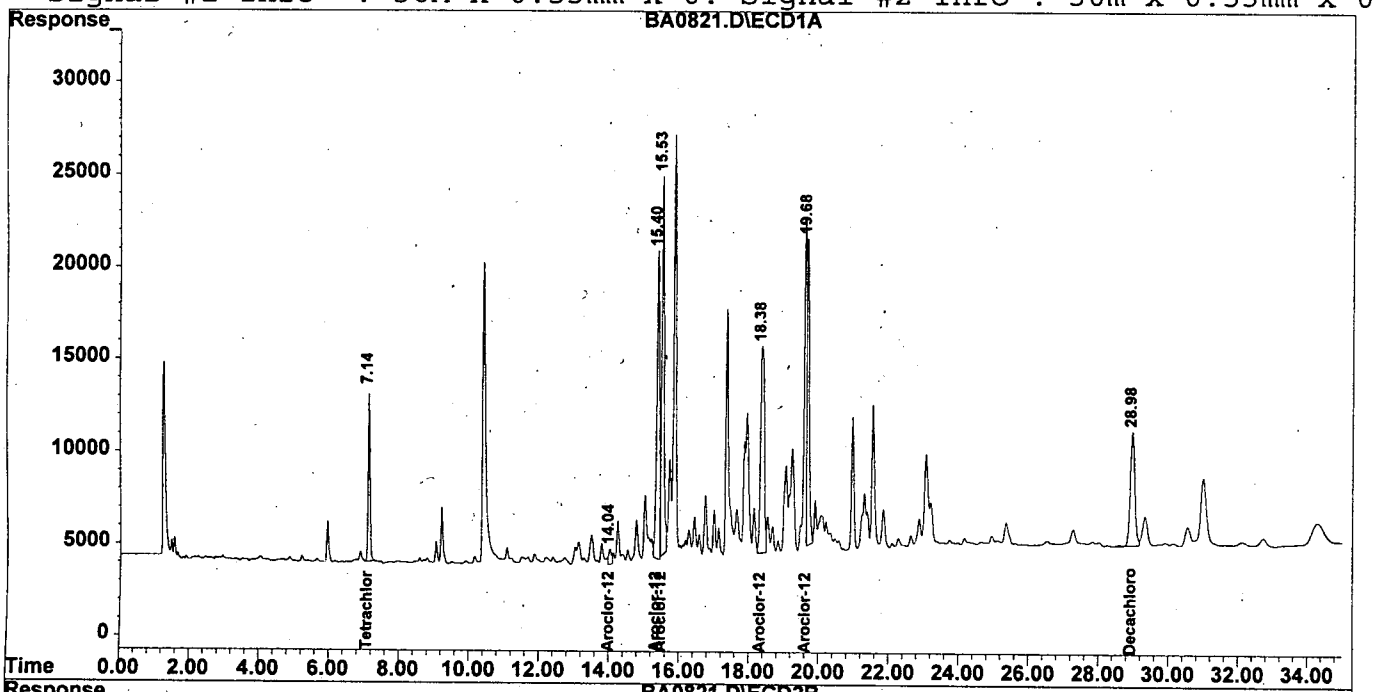
Quantitation Report

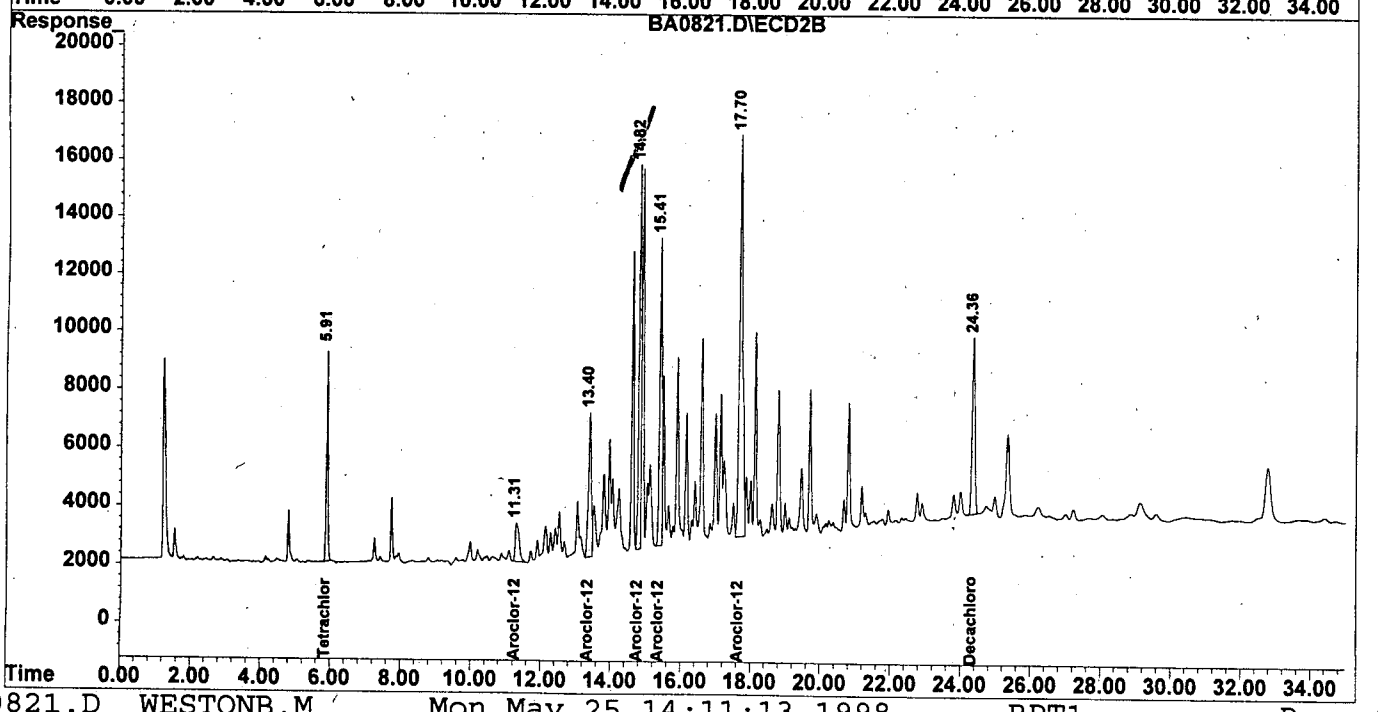
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0821.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0821.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:26 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





413A

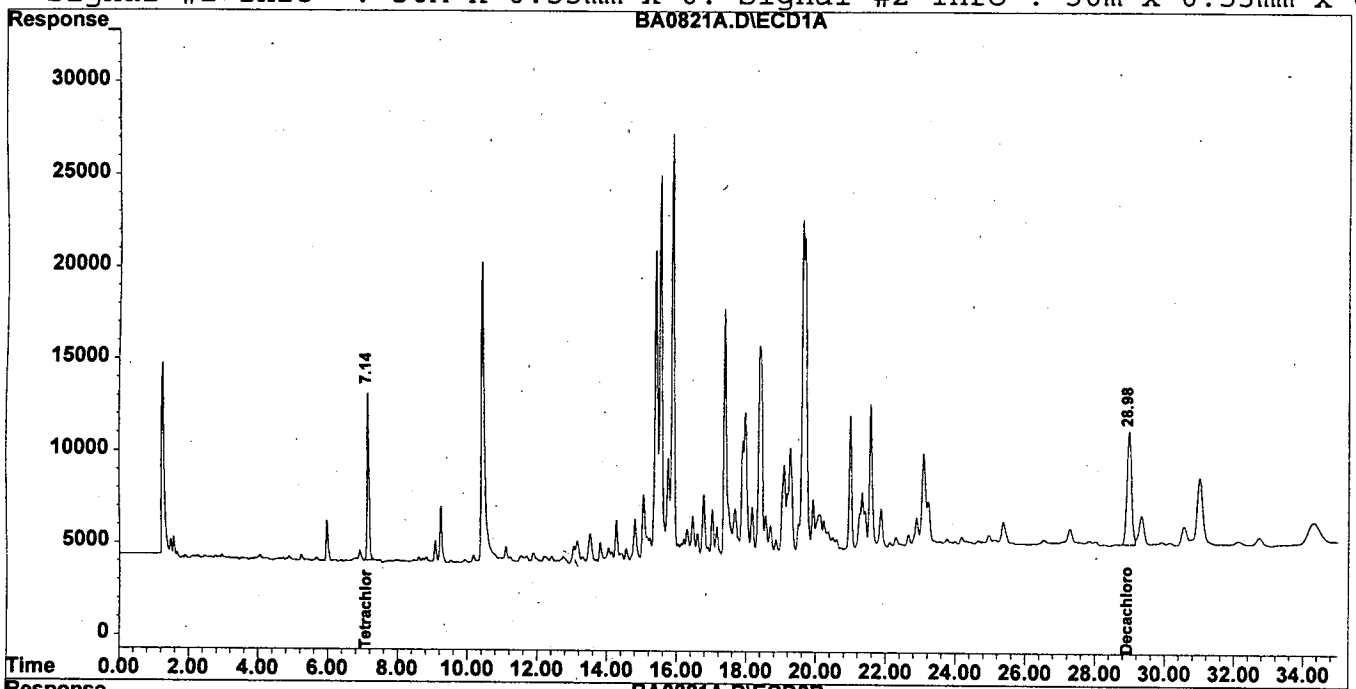
Quantitation Report

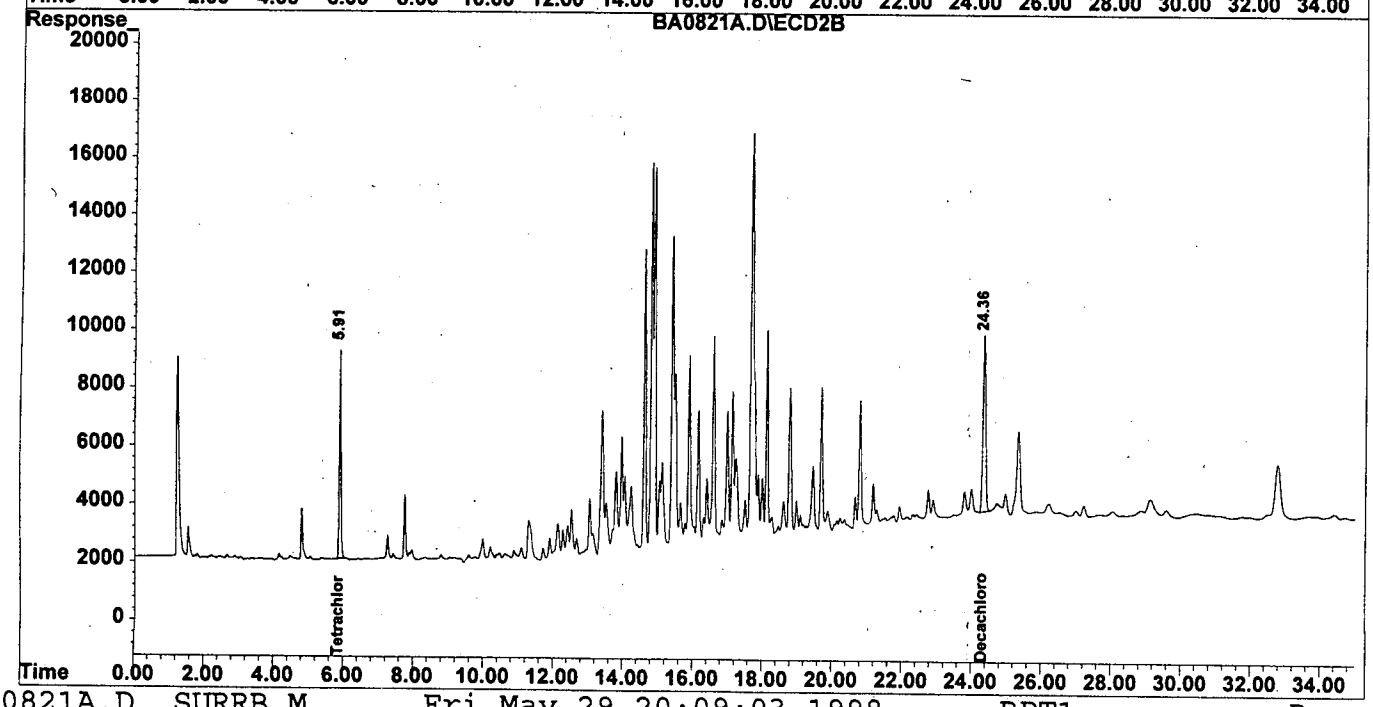
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0821A.D\ECD1A.CH Vial: 20
Signal #2 : E:\WESTDA~1\BA0821A.D\ECD2B.CH
Acq On : 10 Dec 97 6:13 Operator:
Sample : 278183 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





413B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278184
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	48.12%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	64	32
Aroclor-1221	U	U	130	90
Aroclor-1232	U	U	64	51
Aroclor-1242	U	U	64	32
Aroclor-1248	U J	U	64	38
Aroclor-1254	170	U	64	45
Aroclor-1260	U	U	64	51

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	236735	159445	26.132	24.617	
Spiked Amount 40.000 Range 43 - 150 Recovery =					65.33%	61.54%	
2) SA Decachlorobiphen	28.98	24.36	349766	232319	23.242	26.051	
Spiked Amount 40.000 Range 24 - 154 Recovery =					58.11%	65.13%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.23	0.00	175499	0	824.474	N.D.	#
5) L1 Aroclor-1016{3}	12.01	0.00	11805	0	14.352	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.16	0	22813	N.D.	88.927	#
7) L1 Aroclor-1016{5}	0.00	14.06	0	54005	N.D.	366.183	#
Sum Aroclor-1016			187304	76818	838.826	455.110	
Average Aroclor-1016					419.413	227.555	
					NP	NP	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
13) L3 Aroclor-1232{3}	0.00	11.31	0	25162	N.D.	302.056	#
14) L3 Aroclor-1232{4}	11.88	13.06	11308	65385	32.215	1155.726	#
Sum Aroclor-1232			11308	90547	32.215	1457.782	
Average Aroclor-1232					32.215	728.891	
					NP	NP	
18) L4 Aroclor-1242{4}	0.00	12.16	0	22813	N.D.	98.584	#
19) L4 Aroclor-1242{5}	0.00	14.28	0	36274	N.D.	405.866	#
Sum Aroclor-1242			0	59088	N.D.	504.450	
Average Aroclor-1242					0.000	252.225	
						NP	
20) L5 Aroclor-1248{1}	0.00	10.21	0	10222	N.D.	24.543	#
21) L5 Aroclor-1248{2}	11.88	12.16	11308	22813	20.213	67.320	#
22) L5 Aroclor-1248{3}	0.00	12.53	0	101252	N.D.	319.870	#
23) L5 Aroclor-1248{4}	0.00	13.53	0	26225	N.D.	97.461	#
Sum Aroclor-1248			11308	160512	20.213	509.193	
Average Aroclor-1248					20.213	127.298	
					NP	NP	
25) L6 Aroclor-1254{1}	~~14.14~~	11.31	9644	25162	71.051m	114.128	#
26) L6 Aroclor-1254{2}	15.42	13.41	72333	60618	196.195	144.750	#

12/10/02

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
27) L6	Aroclor-1254{3}	15.74	~~14.82~~	75670	~~55193~~	164.199	~~369.213~~	#
28) L6	Aroclor-1254{4}	~~18.40~~	15.42	~~374128~~	150357	~~923.107~~	309.421	#
29) L6	Aroclor-1254{5}	19.69	17.70	346434	215885	401.428	475.060	
Sum	Aroclor-1254			878210	507215	1755.980	1412.572	
Average	Aroclor-1254					351.196	282.514	
30) L7	Aroclor-1260{1}	0.00	16.06	0	22364	N.D.	65.617	#
31) L7	Aroclor-1260{2}	18.40	0.00	374128	0	607.798	N.D.	#
Sum	Aroclor-1260			374128	22364	607.798	65.617	
Average	Aroclor-1260					607.798	65.617	

ND ND

00 416

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0822.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDA~1\BA0822.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:27 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	~~235925~~	157952	12.590	12.348
Spiked Amount 40.000	Range	~~43 - 150~~	Recovery	=	31.48%#	30.87%#
2) SA Decachlorobiphen	28.98	~~24.36~~	349692	222548	15.857	23.958 #
Spiked Amount 40.000	~~Range~~	24 - 154	Recovery	=	39.64%	59.90%
Target Compounds						
3) L6 Aroclor-1254{1}	~~14.14~~	11.31	~~16578~~	29480	~~122.177~~m	132.683m
4) L6 Aroclor-1254{2}	15.42	13.41	64711	46078	168.702	109.943 #
5) L6 Aroclor-1254{3}	15.74	~~14.82~~	57380	~~54761~~	109.011	~~365.245~~ #
6) L6 Aroclor-1254{4}	~~18.40~~	15.42	~~336565~~	139117	~~784.937~~	279.723 #
7) L6 Aroclor-1254{5}	19.69	17.70	346324	203952	398.791	425.636
Sum Aroclor-1254			821558	473389	~~1583.618~~	1313.229
Average Aroclor-1254					~~316.724~~	~~262.646~~
					225.5	236.996

interferences.

416A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0822A.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDA~1\BA0822A.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	235925	157952	25.361	26.139
Spiked Amount 40.000 Range 43 - 150 Recovery =					63.40%	65.35%
2) SA Decachlorobiphen	28.98f	24.36f	359909	225339	23.832m	27.125m
Spiked Amount 40.000 Range 24 - 154 Recovery =					59.58%	67.81%

Target Compounds

416B

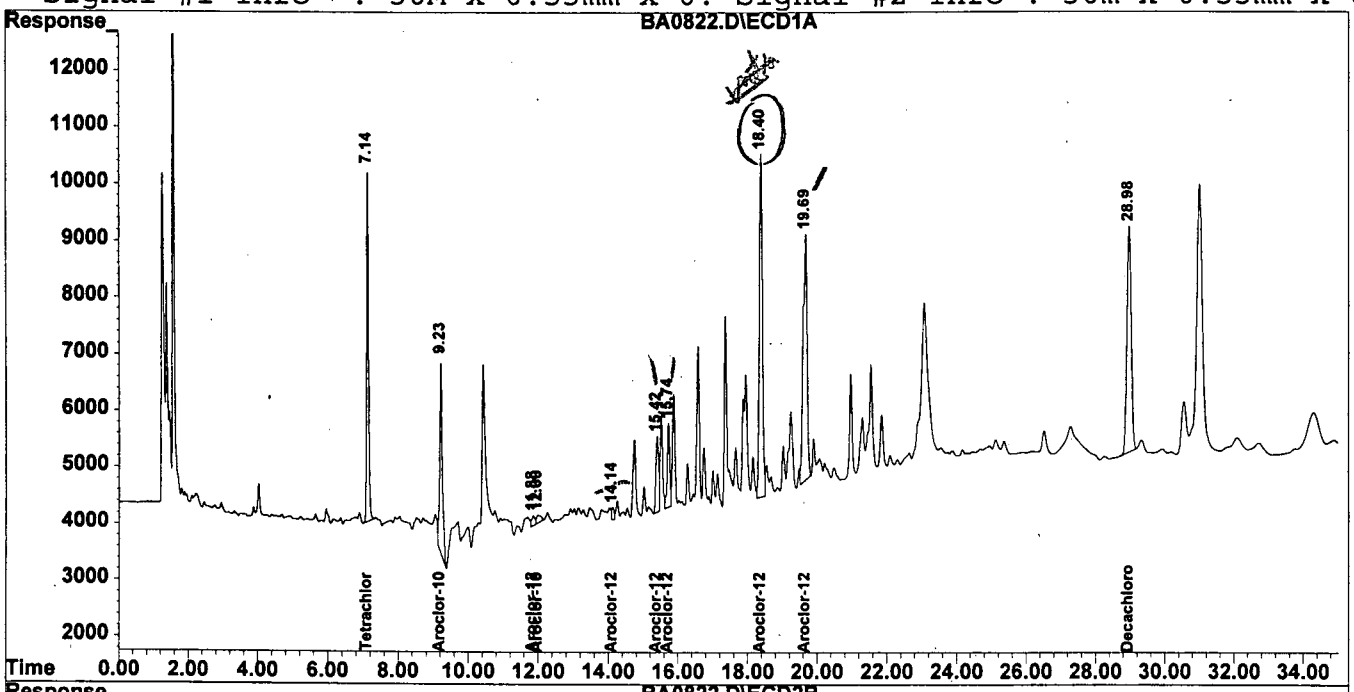
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

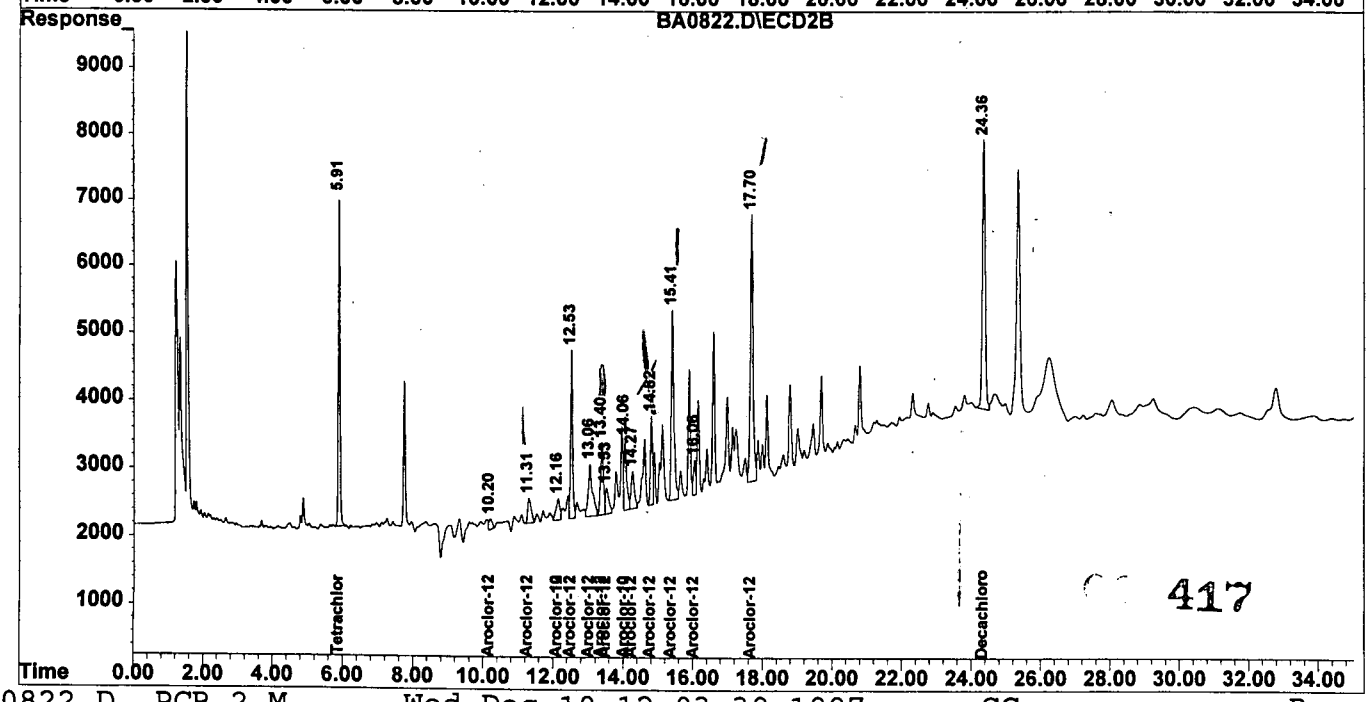
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_B\BA0822.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





417

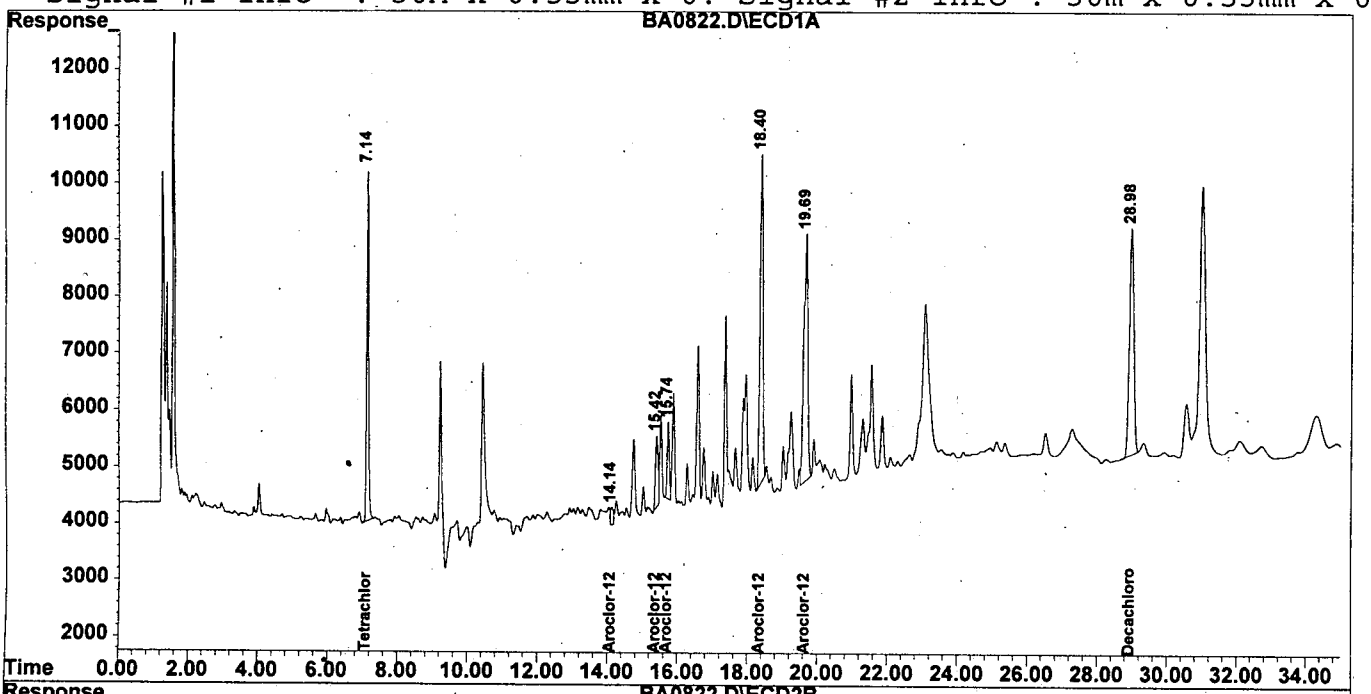
Quantitation Report

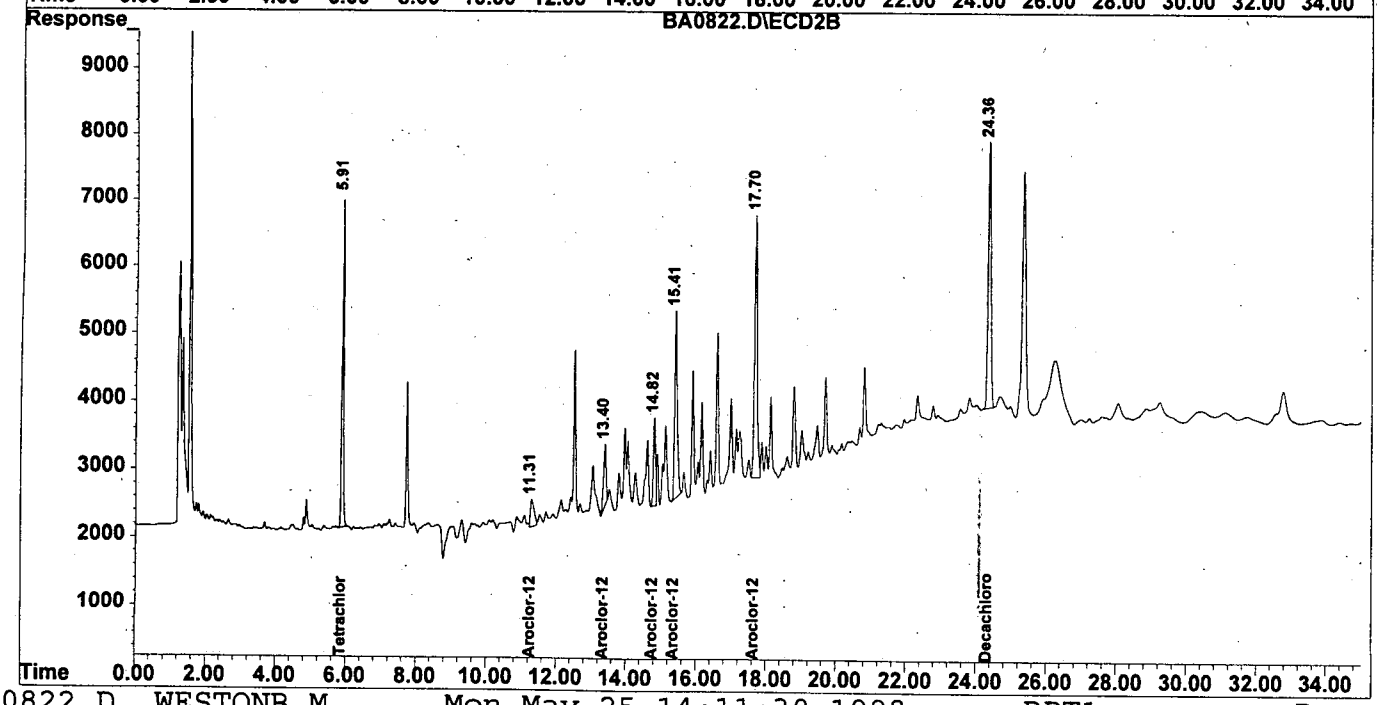
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0822.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDA~1\BA0822.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:27 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





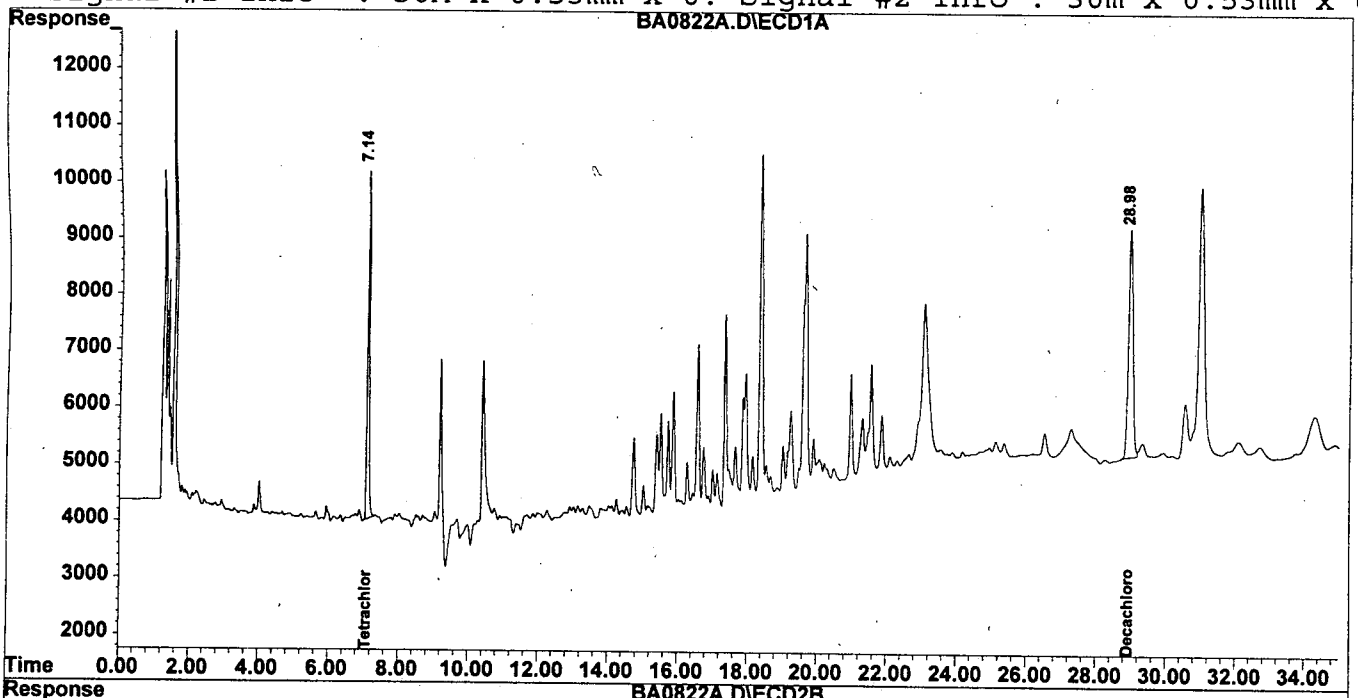
Quantitation Report

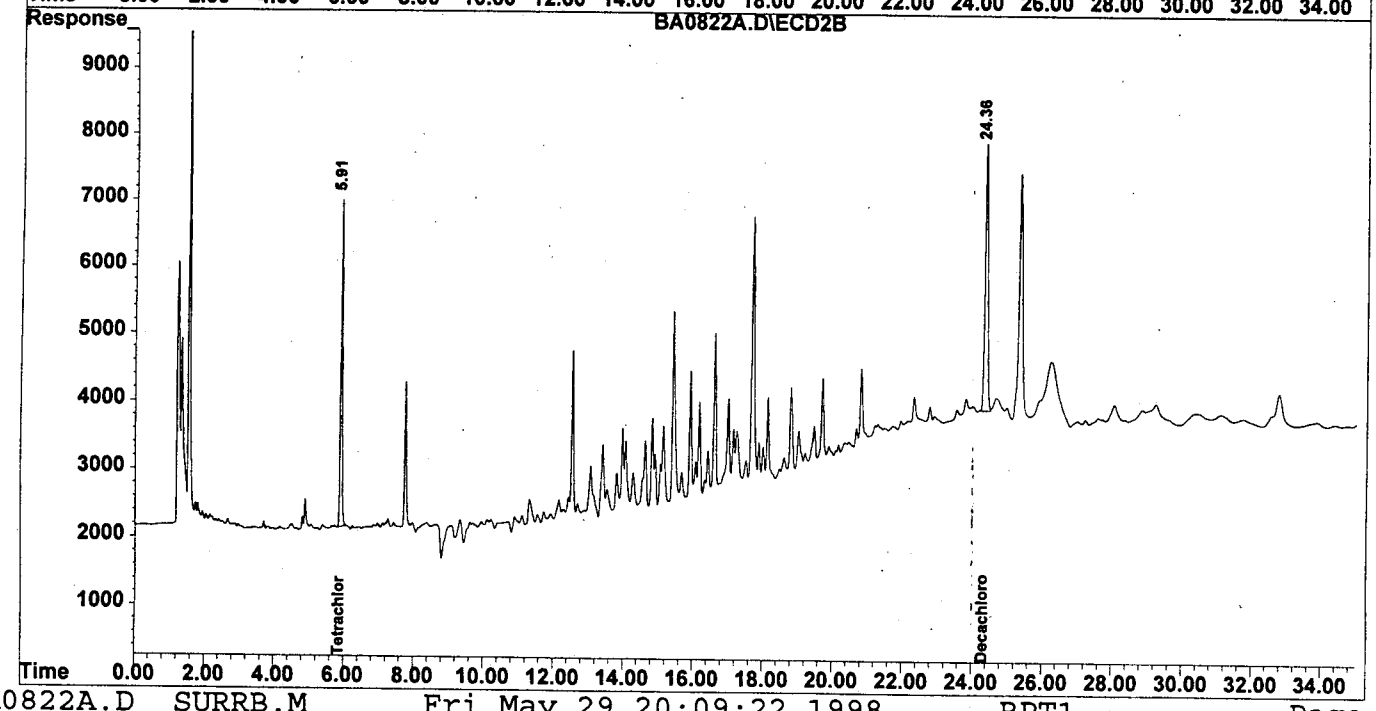
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0822A.D\ECD1A.CH Vial: 21
Signal #2 : E:\WESTDA~1\BA0822A.D\ECD2B.CH
Acq On : 10 Dec 97 6:52 Operator:
Sample : 278184 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





4 1 7B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278185
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	24.52%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	44	22
Aroclor-1221	U	U	88	62
Aroclor-1232	U	U	44	35
Aroclor-1242	U	U	44	22
Aroclor-1248	U J	U	44	26
Aroclor-1254	1500	U	44	31
Aroclor-1260	U	U	44	35

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.91	283069	191203	31.247	29.520	
Spiked Amount 40.000 Range 43 - 150 Recovery =					78.12%	73.80%	
2) SA Decachlorobiphen	28.98	24.36	495924	296248	32.954	33.219	
Spiked Amount 40.000 Range 24 - 154 Recovery =					82.38%	83.05%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.22	0.00	241268	0	1133.445	N.D.	#
7) L1 Aroclor-1016{5}	13.30	14.05	41685	856321	127.661	5806.355	#
Sum Aroclor-1016			282953	856321	1261.107	5806.355	
Average Aroclor-1016					630.553	5806.355	
9) L2 Aroclor-1221{2}	0.00	7.44	0	8861	N.D.	125.661	#
10) L2 Aroclor-1221{3}	9.22	7.67	241268	5362	797.042	21.984	#
Sum Aroclor-1221			241268	14223	797.042	147.645	
Average Aroclor-1221					797.042	73.822	
12) L3 Aroclor-1232{2}	9.22	9.99	241268	8473	1180.575	202.827	#
13) L3 Aroclor-1232{3}	0.00	11.34	0	239410	N.D.	2874.037	#
14) L3 Aroclor-1232{4}	11.88	13.10	12130	107975	34.556	1908.532	#
Sum Aroclor-1232			253398	355859	1215.131	4985.397	
Average Aroclor-1232					607.565	1661.799	
15) L4 Aroclor-1242{1}	9.22	0.00	241268	0	1316.134	N.D.	#
16) L4 Aroclor-1242{2}	0.00	9.99	0	8473	N.D.	110.396	#
17) L4 Aroclor-1242{3}	11.32	0.00	75014	0	676.622	N.D.	#
19) L4 Aroclor-1242{5}	14.13	14.25	27390	178293	75.374	1994.886	#
Sum Aroclor-1242			343672	186766	2068.130	2105.281	
Average Aroclor-1242					689.377	1052.641	
20) L5 Aroclor-1248{1}	0.00	10.20	0	11892	N.D.	28.551	#
21) L5 Aroclor-1248{2}	11.88	0.00	12130	0	21.681	N.D.	#
22) L5 Aroclor-1248{3}	0.00	12.53	0	836900	N.D.	2643.897	#
23) L5 Aroclor-1248{4}	14.13	13.52	27390	197751	55.185	734.919	#
24) L5 Aroclor-1248{5}	16.12	0.00	142981	0	379.246	N.D.	#
Sum Aroclor-1248			182501	1046543	456.112	3407.367	
Average Aroclor-1248					152.037	1135.789	

CC 419

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L6	Aroclor-1254{1}	~~14.13~~	11.34	~~27390~~	239410	~~201.793~~	1085.920	#
26) L6	Aroclor-1254{2}	15.42	13.40	699604	699215	1897.590	1669.669	
27) L6	Aroclor-1254{3}	15.73	14.81	1256288	473460	2726.057	3167.191	
28) L6	Aroclor-1254{4}	18.36	15.41	2538523	2180561	6263.435	4487.400	#
29) L6	Aroclor-1254{5}	19.68	17.70	5856770	3241554	6786.488	7133.108	
Sum	Aroclor-1254			10378575	6834200	17875.363	17543.289	
Average	Aroclor-1254					3575.073	3508.658	
Sum	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

00 420

12/10/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0823.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDA~1\BA0823.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:27 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.91	283179	189413	15.112	14.808
Spiked Amount 40.000 Range 43 - 150 Recovery =					37.78%#	37.02%#
2) SA Decachlorobiphen	28.98	24.36	495924	293318	22.488	31.577 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					56.22%	78.94%
Target Compounds						
3) L6 Aroclor-1254{1}	~~14.04~~	11.34	~~39406~~	238657	~~290.415~~m	1074.143 #
4) L6 Aroclor-1254{2}	15.42	13.40	682697	694015	1779.795	1655.934
5) L6 Aroclor-1254{3}	15.73	14.81	1241322	470879	2358.298	3140.644 #
6) L6 Aroclor-1254{4}	18.36	15.41	2523862	2177331	5886.147	4377.953 #
7) L6 Aroclor-1254{5}	19.68	17.70	5840873	3239750	6725.754	6761.178
Sum Aroclor-1254			10328159	6820633	17040.409	17009.852
Average Aroclor-1254					3408.082	3401.970

420A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0823A.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDA~1\BA0823A.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.91	283179	189413	30.441	31.345
Spiked Amount 40.000 Range 43 - 150 Recovery =					76.10%	78.36%
2) SA Decachlorobiphen	28.97f	24.36f	497679	294534	32.954m	35.454m
Spiked Amount 40.000 Range 24 - 154 Recovery =					82.38%	88.63%

Target Compounds

420B

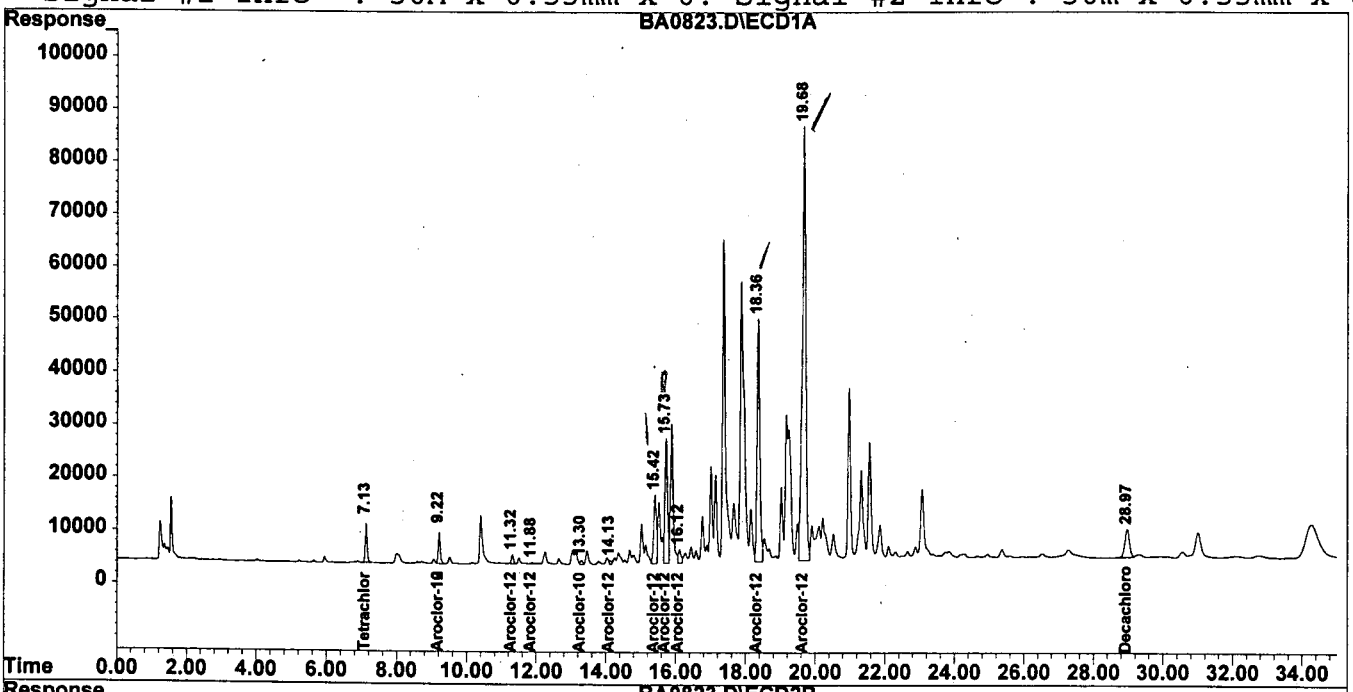
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

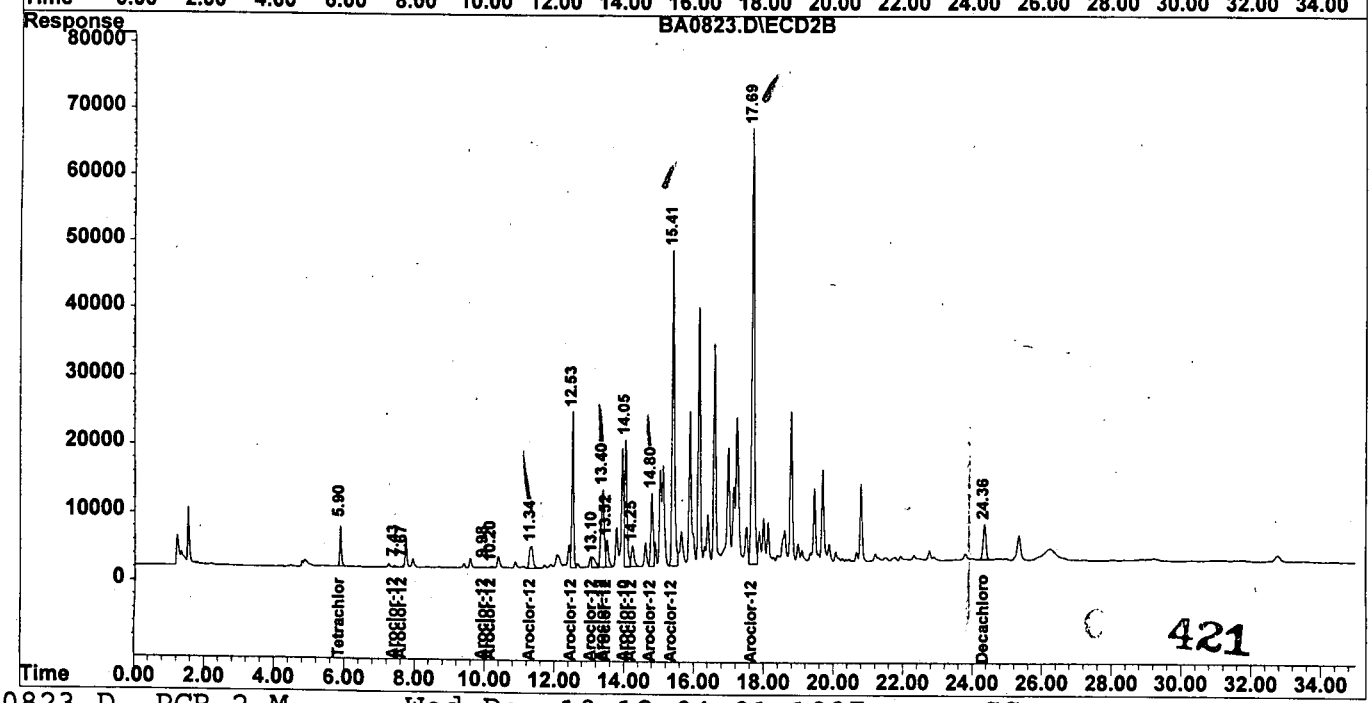
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_B\BA0823.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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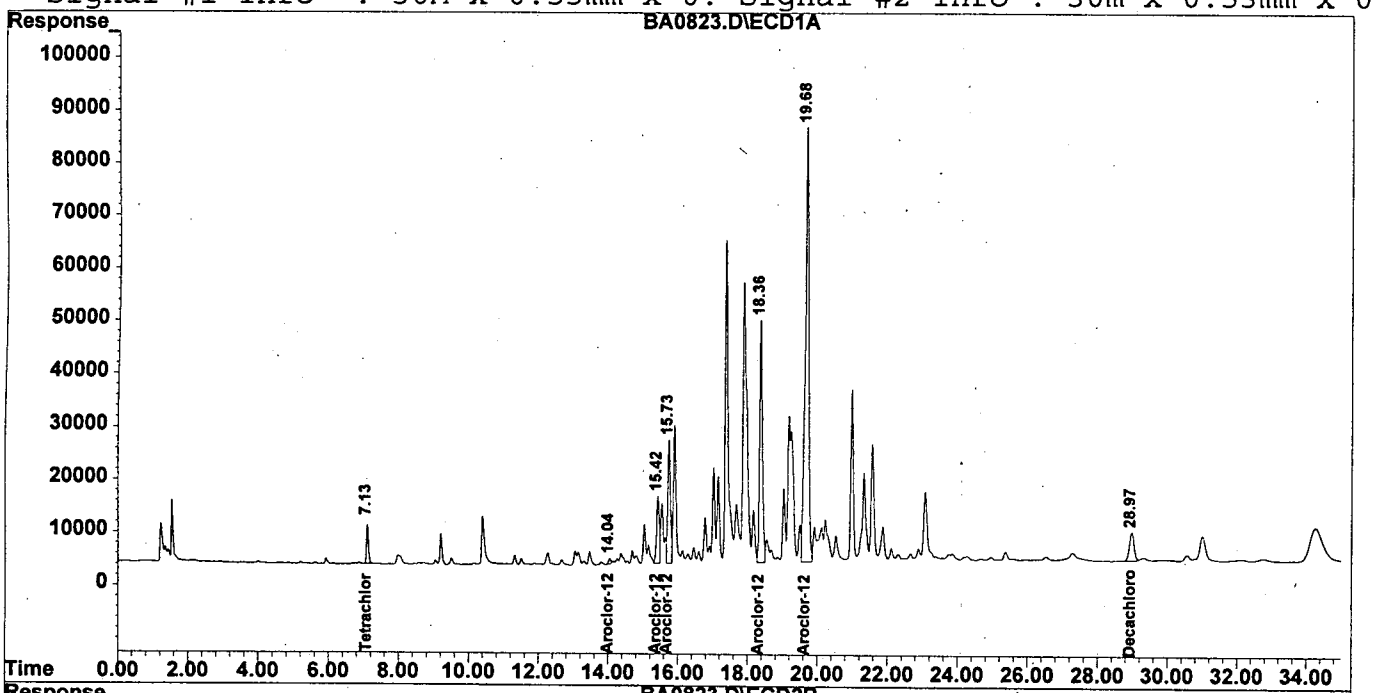
Quantitation Report

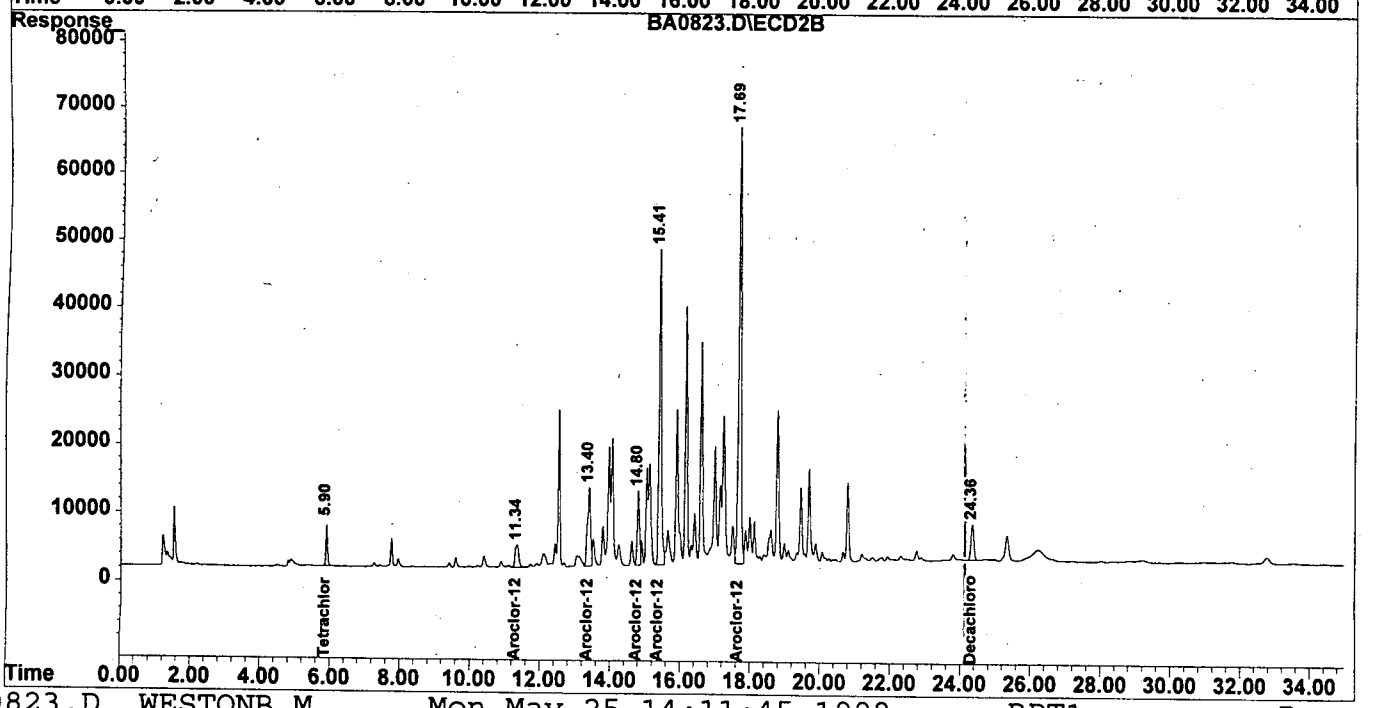
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0823.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDA~1\BA0823.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:27 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





4 2 1A

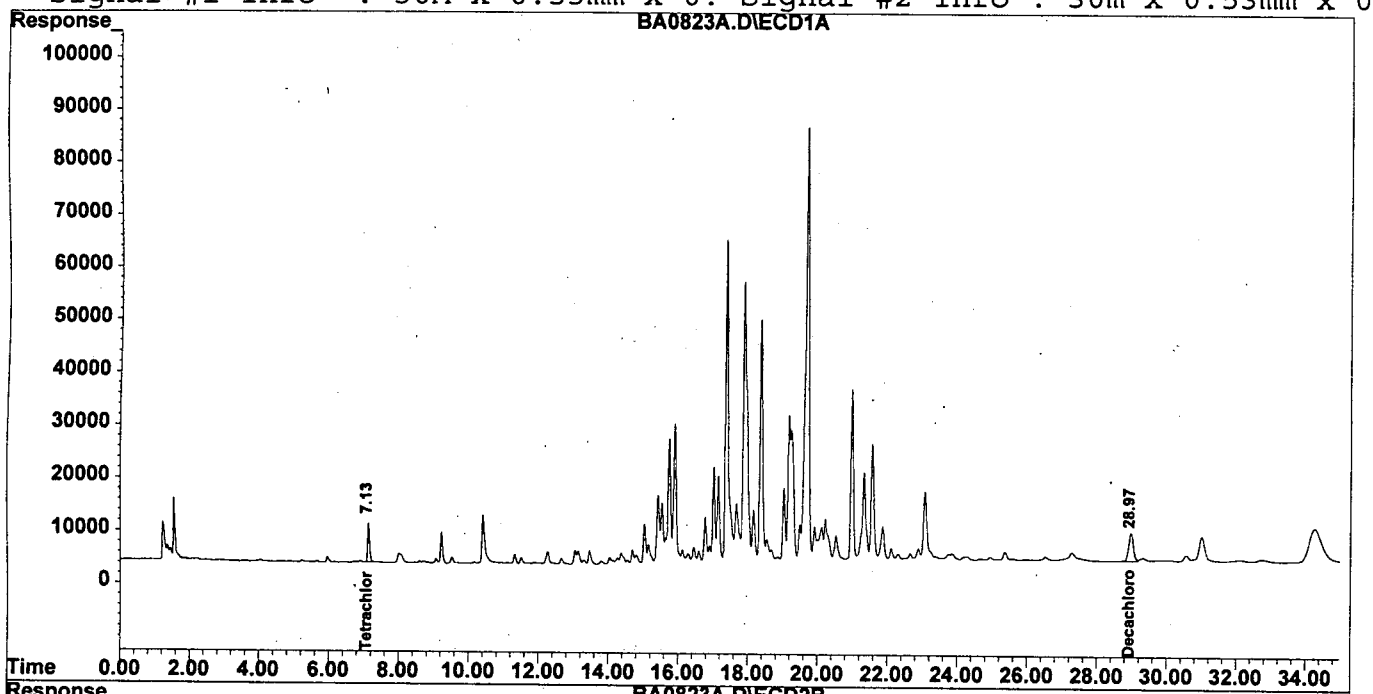
Quantitation Report

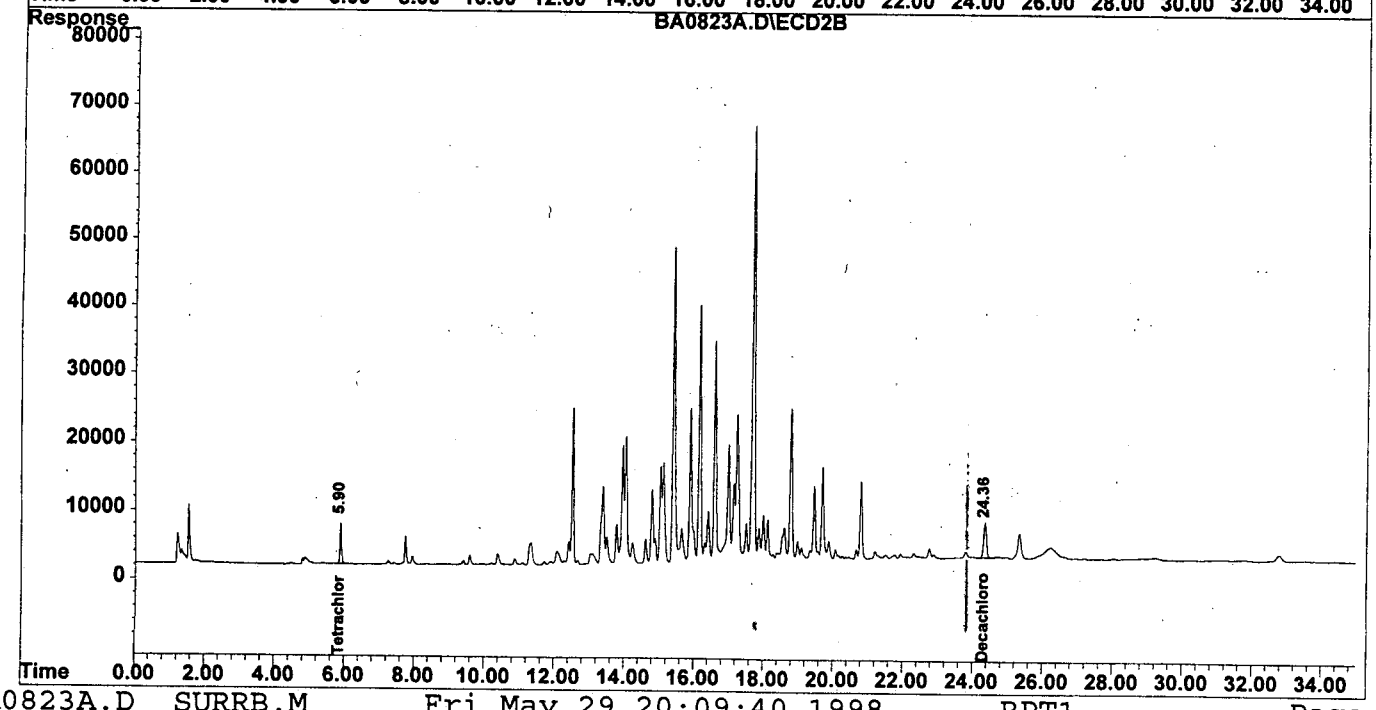
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0823A.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDA~1\BA0823A.D\ECD2B.CH
Acq On : 10 Dec 97 7:31 Operator:
Sample : 278185 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:44 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





4 2 1B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278186
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	36.81%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	53	26
Aroclor-1221	U	U	100	74
Aroclor-1232	U	U	53	42
Aroclor-1242	U	U	53	26
Aroclor-1248	~~U~~ 250J	U	53	32
Aroclor-1254	~~620~~ 670J	U	53	37
Aroclor-1260	U	U	53	42

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	251786	180739	27.794	27.905	
Spiked Amount 40.000 Range 43 - 150 Recovery =					69.49%	69.76%	
2) SA Decachlorobiphen	28.99	24.37	415875	279254	27.635	31.314	
Spiked Amount 40.000 Range 24 - 154 Recovery =					69.09%	78.29%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.13	0.00	13932	0	65.451	N.D.	#
4) L1 Aroclor-1016{2}	10.58	0.00	75178	0	159.451	N.D.	#
5) L1 Aroclor-1016{3}	11.89	0.00	148217	0	180.196	N.D.	#
6) L1 Aroclor-1016{4}	12.38	0.00	12660	0	45.220	N.D.	#
7) L1 Aroclor-1016{5}	0.00	14.07	0	266490	N.D.	1806.957	#
Sum Aroclor-1016			249988	266490	450.318	1806.957	
Average Aroclor-1016					112.579	1806.957	
10) L2 Aroclor-1221{3}	9.13	0.00	13932	0	46.025	N.D.	#
Sum Aroclor-1221			13932	0	46.025	N.D.	
Average Aroclor-1221					46.025	0.000	
11) L3 Aroclor-1232{1}	0.00	8.81	0	69109	N.D.	477.536	#
12) L3 Aroclor-1232{2}	9.13	9.95	13932	154955	68.173	3709.238	#
13) L3 Aroclor-1232{3}	10.58	11.31	75178	562086	346.370	6747.651	#
14) L3 Aroclor-1232{4}	11.89	13.15	148217	17716	422.231	313.137	#
Sum Aroclor-1232			237328	803866	836.773	11247.562	
Average Aroclor-1232					278.924	2811.890	
15) L4 Aroclor-1242{1}	9.13	8.81	13932	69109	76.000	276.561	#
16) L4 Aroclor-1242{2}	10.58	9.95	75178	154955	205.023	2018.882	#
17) L4 Aroclor-1242{3}	11.27	11.04	44512	10212	401.500	63.307	#
18) L4 Aroclor-1242{4}	12.81	0.00	23587	0	136.928	N.D.	#
19) L4 Aroclor-1242{5}	14.05	14.25	299992	166714	825.537	1865.329	#
Sum Aroclor-1242			457201	400990	1644.989	4224.079	
Average Aroclor-1242					328.998	1056.020	
20) L5 Aroclor-1248{1}	10.58	10.21	75178	110312	387.526	264.850	#
21) L5 Aroclor-1248{2}	11.89	12.13	148217	259196	264.923	764.860	#

423

12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

first 3 peaks for quant

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{3}	13.17	12.43	377973	118031	914.484	372.877	#
23)	L5 Aroclor-1248{4}	14.05	13.53	299992	83903	604.413	311.816	#
24)	L5 Aroclor-1248{5}	16.12	15.42	48858	679822	129.591	5397.461	m#
	Sum Aroclor-1248			950218	1251264	2300.937	7111.863	
	Average Aroclor-1248					460.187	1422.373	
25)	L6 Aroclor-1254{1}	14.05	11.31	299992	562086	2210.149	2549.518	
26)	L6 Aroclor-1254{2}	15.43	13.41	456417	489240	1237.976	1168.267	
27)	L6 Aroclor-1254{3}	15.75	14.81	506177	225062	1098.368	1505.545	#
28)	L6 Aroclor-1254{4}	18.38	15.42	356395	676677	879.353	1392.542	#
29)	L6 Aroclor-1254{5}	19.70	17.71	740562	497826	858.121	1095.477	#
	Sum Aroclor-1254			2359544	2450892	6283.968	7711.350	
	Average Aroclor-1254					1256.794	1542.270	
	Sum Aroclor-1260			0	0	N.D.	N.D.	
	Average Aroclor-1260					0.000	0.000	

0 for quantitation

REPORT THIS VALUE

12/16/97

QC 424

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0824.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0824.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:28 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	251461	180574	13.419	14.117
Spiked Amount 40.000 Range 43 - 150 Recovery =					33.55%#	35.29%#
2) SA Decachlorobiphen	28.99	24.37	415875	258862	18.858	27.868 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					47.15%	69.67%
Target Compounds						
3) L6 Aroclor-1254{1}	~~14.05~~	~~11.31~~	~~283314~~	540799	~~2087.976m~~	~~2434.019~~
4) L6 Aroclor-1254{2}	15.43	13.41	456417	489156	1189.883	1167.135
5) L6 Aroclor-1254{3}	15.75	14.81	506177	224460	961.649	1497.089 #
6) L6 Aroclor-1254{4}	18.38	15.42	356395	676605	831.185	1360.448 #
7) L6 Aroclor-1254{5}	19.70	17.71	740562	497742	852.756	1038.759
Sum Aroclor-1254			2342866	2428761	~~5923.447~~	~~7497.449~~
Average Aroclor-1254					~~1184.689~~	~~1499.490~~
					1408.87	1265.86

424A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0824A.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0824A.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	251461	180574	27.031	29.883
Spiked Amount 40.000 Range 43 - 150 Recovery =					67.58%	74.71%
2) SA Decachlorobiphen	28.99f	24.37f	442154	259703	29.278m	31.261m
Spiked Amount 40.000 Range 24 - 154 Recovery =					73.19%	78.15%

Target Compounds

4 2 4B

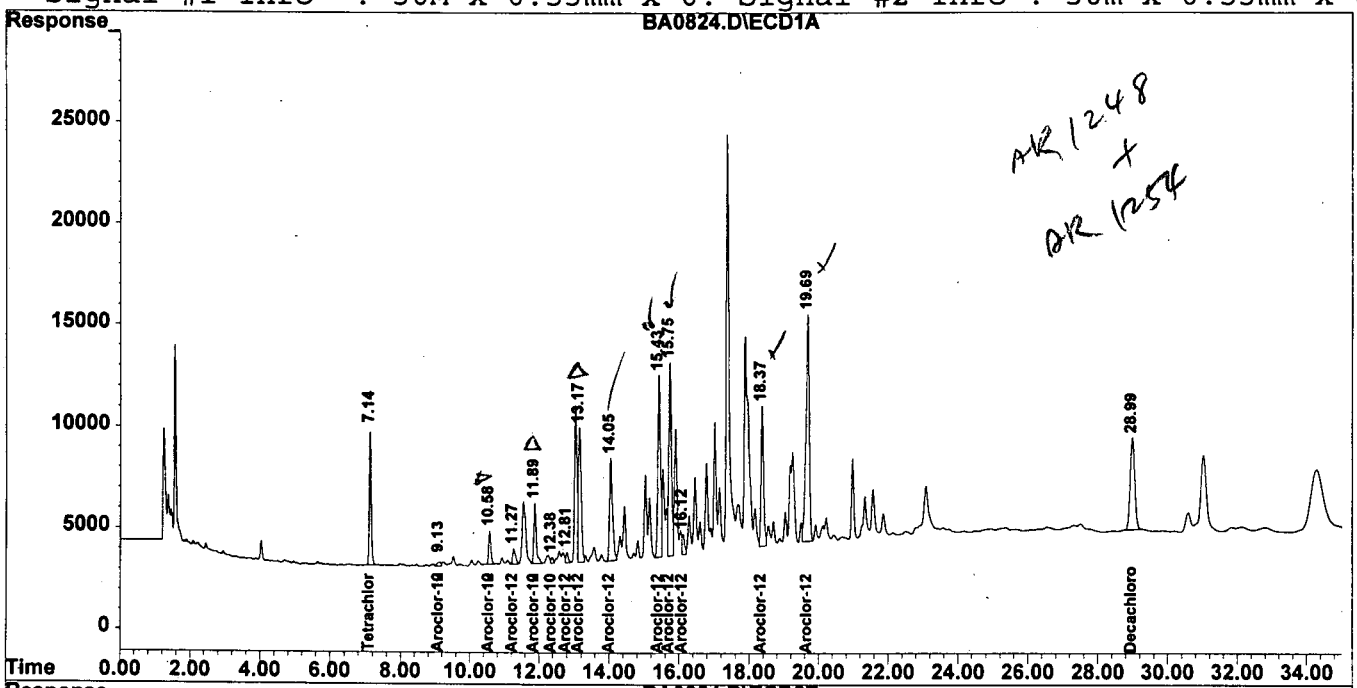
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

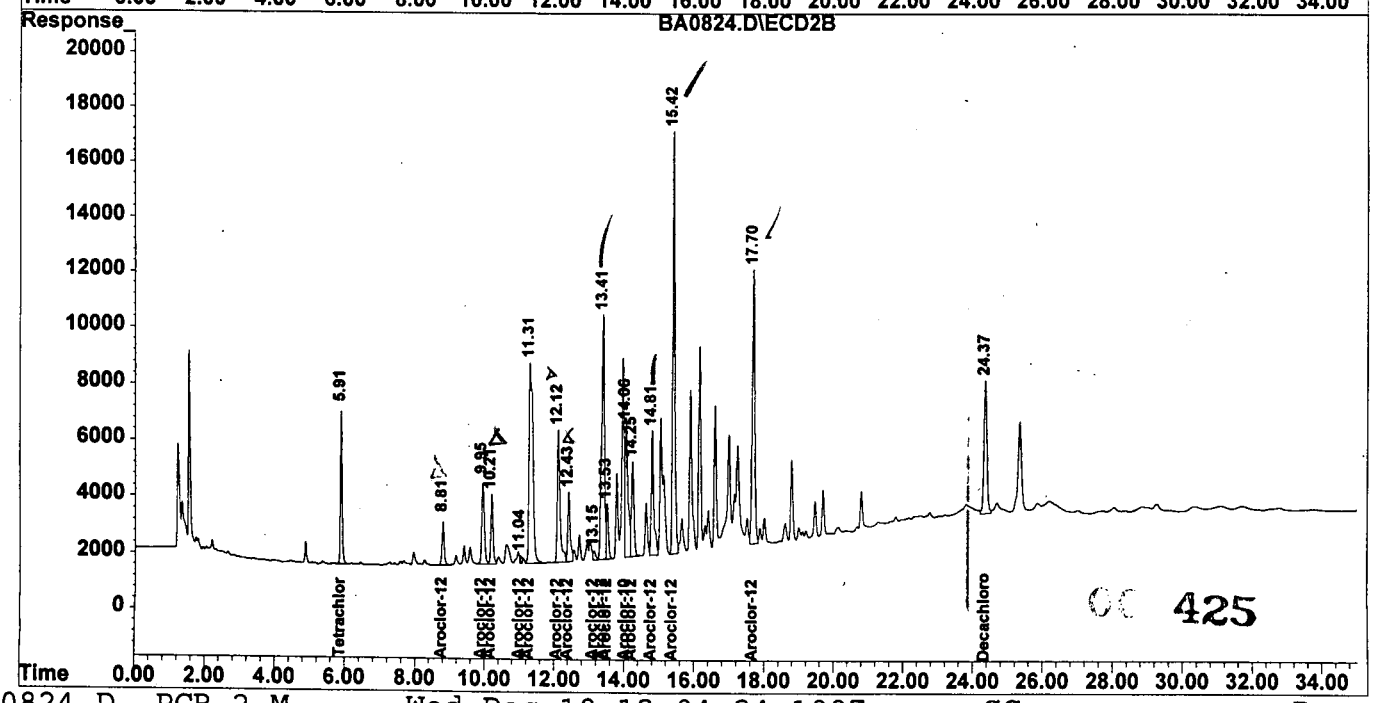
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0824.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:44 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





OC 425

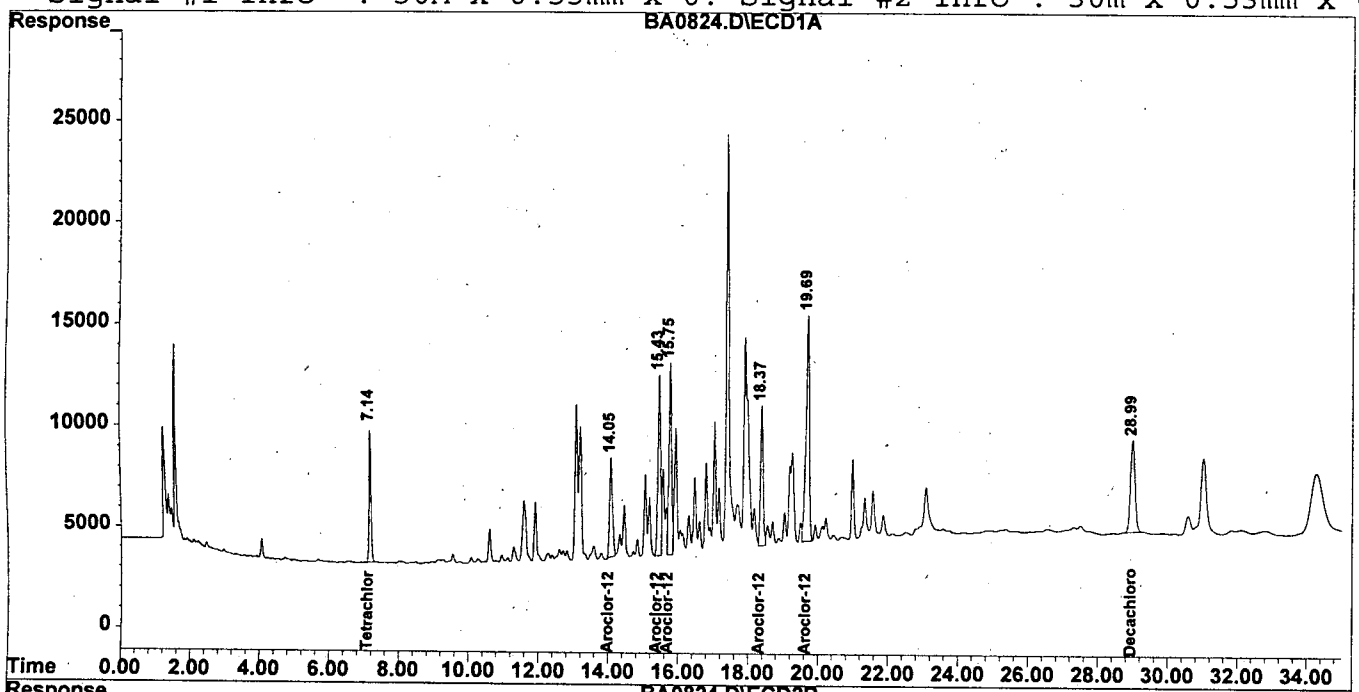
Quantitation Report

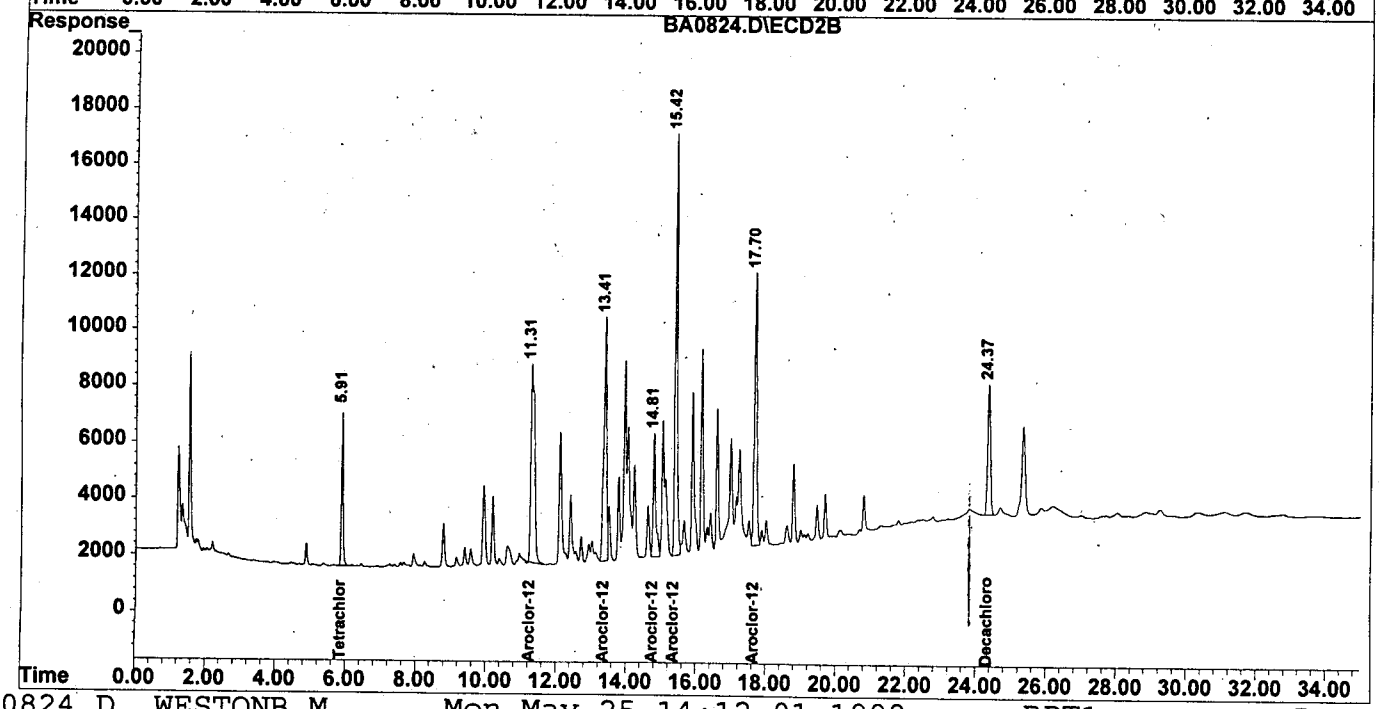
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0824.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0824.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:28 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





425A

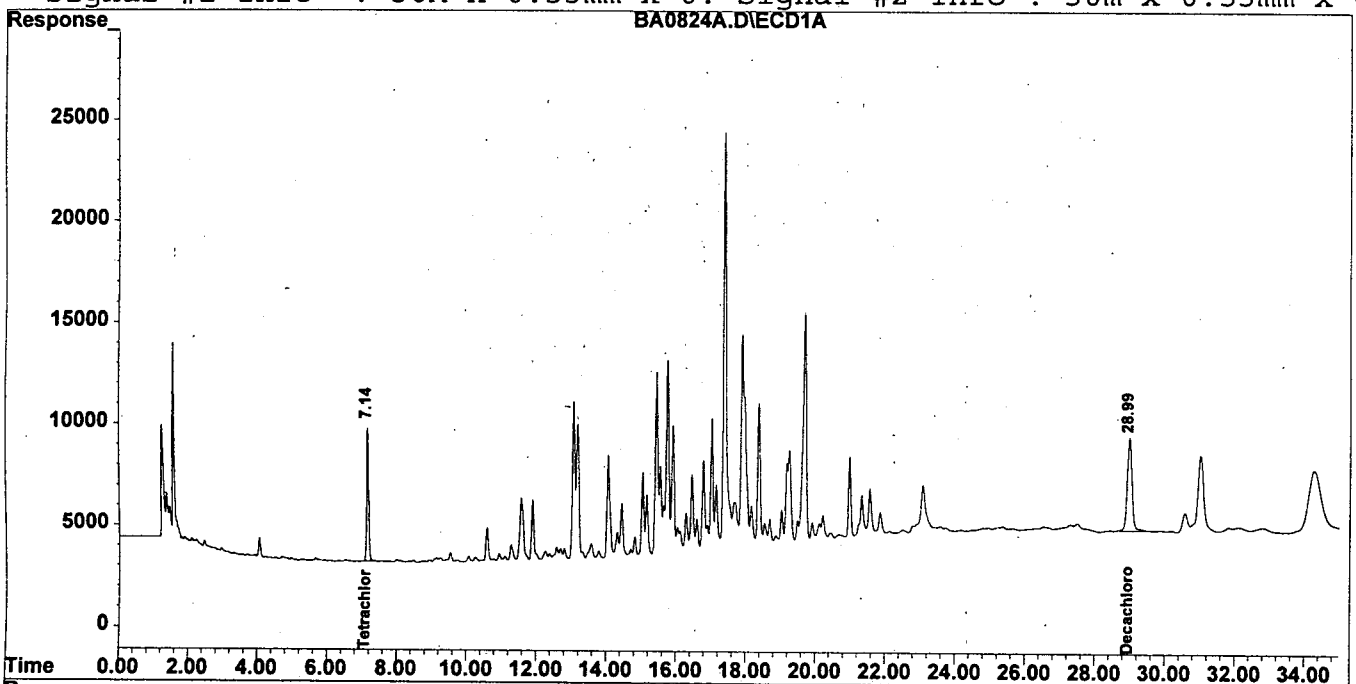
Quantitation Report

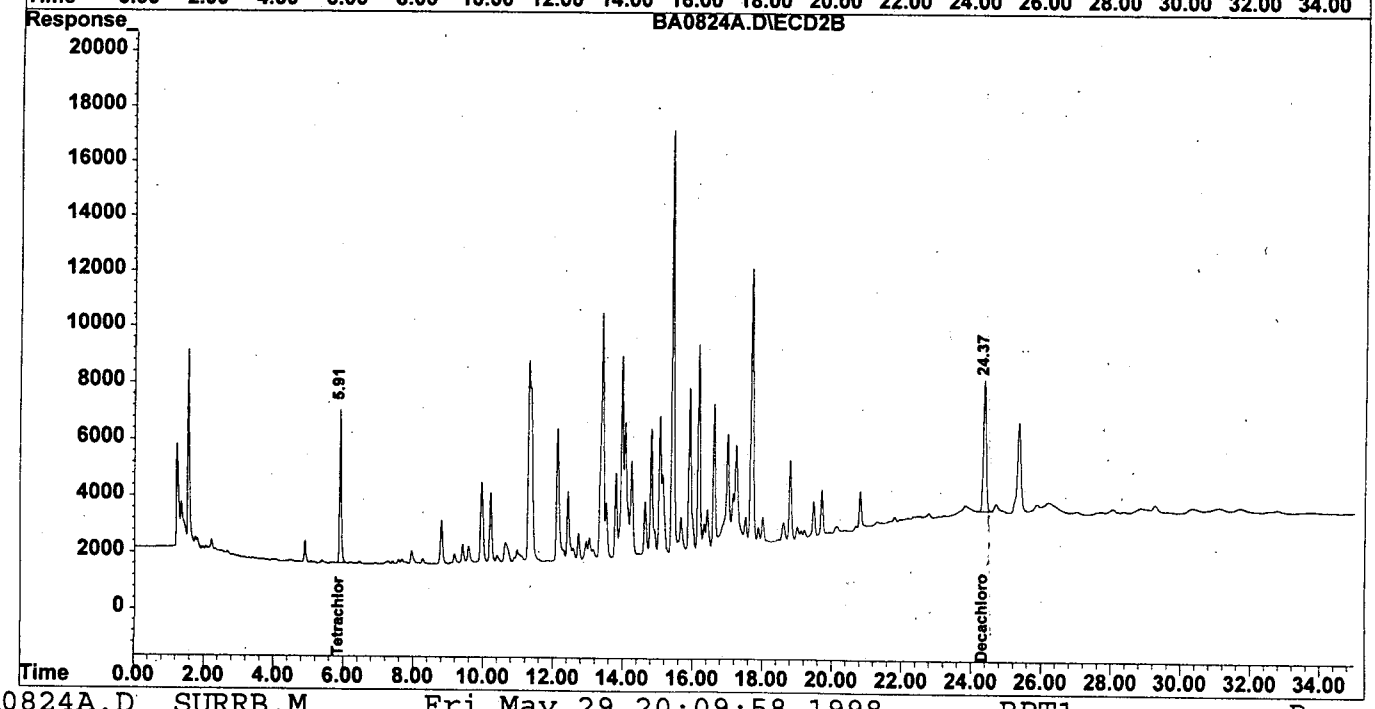
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0824A.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0824A.D\ECD2B.CH
Acq On : 10 Dec 97 8:10 Operator:
Sample : 278186 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278187
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: CCCCSED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	22%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	43	21
Aroclor-1221	U	U	85	60
Aroclor-1232	U	U	43	34
Aroclor-1242	U	U	43	21
Aroclor-1248	~~U~~ 130 J	U	43	26
Aroclor-1254	280 300 J	U	43	30
Aroclor-1260	U	U	43	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	294960	212446	32.560	32.800
Spiked Amount 40.000 Range 43 - 150 Recovery =					81.40%	82.00%
2) SA Decachlorobiphen	28.99	24.36	481598	309425	32.002	34.697
Spiked Amount 40.000 Range 24 - 154 Recovery =					80.01%	86.74%
Target Compounds						
4) L1 Aroclor-1016{2}	10.58	0.00	39888	0	84.601	N.D. #
5) L1 Aroclor-1016{3}	11.88	0.00	66212	0	80.498	N.D. #
7) L1 Aroclor-1016{5}	0.00	14.06	0	147125	N.D.	997.591 #
Sum Aroclor-1016			106100	147125	165.098	997.591
Average Aroclor-1016					82.549	997.591
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	0.00	8.80	0	35498	N.D.	245.291 #
12) L3 Aroclor-1232{2}	0.00	9.95	0	96394	N.D.	2307.419 #
13) L3 Aroclor-1232{3}	10.58	0.00	39888	0	183.774	N.D. #
14) L3 Aroclor-1232{4}	11.88	13.15	66212	8883	188.621	157.008
Sum Aroclor-1232			106100	140775	372.395	2709.718
Average Aroclor-1232					186.198	903.239
15) L4 Aroclor-1242{1}	0.00	8.80	0	35498	N.D.	142.058 #
16) L4 Aroclor-1242{2}	10.58	9.95	39888	96394	108.780	1255.893 #
17) L4 Aroclor-1242{3}	11.27	11.04	24258	5026	218.804	31.159 #
19) L4 Aroclor-1242{5}	14.05	14.25	165049	94249	454.193	1054.532 #
Sum Aroclor-1242			229195	231167	781.777	2483.643
Average Aroclor-1242					260.592	620.911
20) L5 Aroclor-1248{1}	10.58	10.21	39888	56872	205.611	136.544 #
21) L5 Aroclor-1248{2}	11.88	12.12	66212	147254	118.348	434.531m#
22) L5 Aroclor-1248{3}	13.16	12.54	245200	266821	593.246	842.928 #
23) L5 Aroclor-1248{4}	14.05	13.52	165049	47069	332.535	174.926 #
24) L5 Aroclor-1248{5}	16.04	15.41	29348	377562	77.843	2997.661m#
Sum Aroclor-1248			545697	895578	1327.583	4586.591
Average Aroclor-1248					265.517	917.318

427

12/11/02

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L6	Aroclor-1254{1}	14.05	11.31	165049	350721	1215.978	1590.805	#
26) L6	Aroclor-1254{2}	15.43	13.41	253938	284545	688.776	679.470	
27) L6	Aroclor-1254{3}	15.74	14.81	254396	113426	552.022	758.758	#
28) L6	Aroclor-1254{4}	18.37	15.41	200316	377523	494.251	776.909	#
29) L6	Aroclor-1254{5}	19.69	17.70	413016	293569	478.579	646.004	#
Sum	Aroclor-1254			1286716	1419783	3429.607	4451.946	
Average	Aroclor-1254					685.921	890.389	
Sum	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

REPORT THIS VALUE OMW 12/16/97

428

12/10/02

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0825.D\ECD1A.CH Vial: 24
Signal #2 : E:\WESTDA~1\BA0825.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:29 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	295316	211859	15.759	16.562
Spiked Amount 40.000 Range 43 - 150 Recovery =					39.40%#	41.41%#
2) SA Decachlorobiphen	28.99	24.36	482253	304870	21.868	32.820 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					54.67%	82.05%
Target Compounds						
3) L6 Aroclor-1254{1}	~~14.05~~	~~11.31~~	167414	342823	~~1233.812m~~	~~1542.973~~ #
4) L6 Aroclor-1254{2}	15.43	13.41	253919	284261	661.967	678.251
5) L6 Aroclor-1254{3}	15.74	14.81	254379	113586	483.276	757.589 #
6) L6 Aroclor-1254{4}	18.37	15.41	196304	373930	457.819	751.861 #
7) L6 Aroclor-1254{5}	19.69	17.70	412993	292365	475.561	610.150 #
Sum Aroclor-1254			1285008	1406965	~~3312.435~~	~~4340.823~~
Average Aroclor-1254					~~662.487~~ 519.66	~~868.165~~ 699.46

428A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0825A.D\ECD1A.CH Vial: 24
Signal #2 : E:\WESTDA~1\BA0825A.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	295316	211859	31.745	35.060
Spiked Amount 40.000 Range 43 - 150 Recovery =					79.36%	87.65%
2) SA Decachlorobiphen	28.99f	24.36f	485047	317760	32.118m	38.250m
Spiked Amount 40.000 Range 24 - 154 Recovery =					80.30%	95.63%

Target Compounds

428B 7/23/98

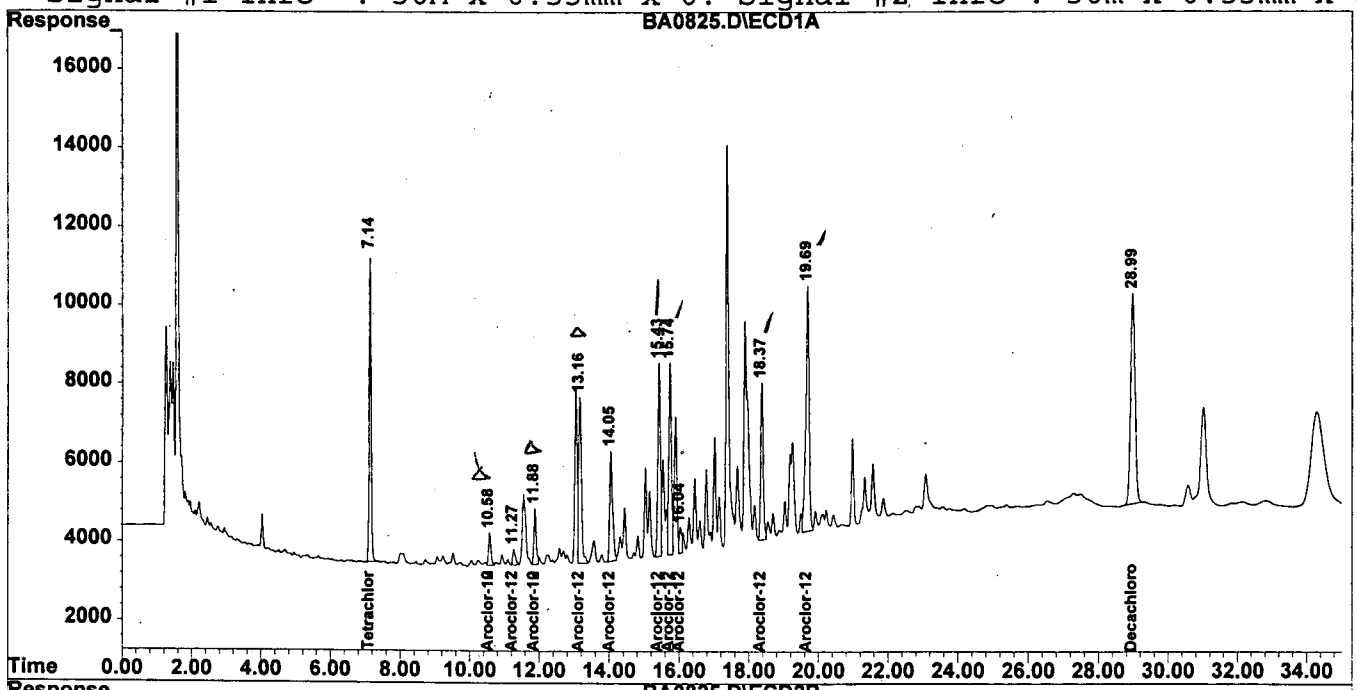
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

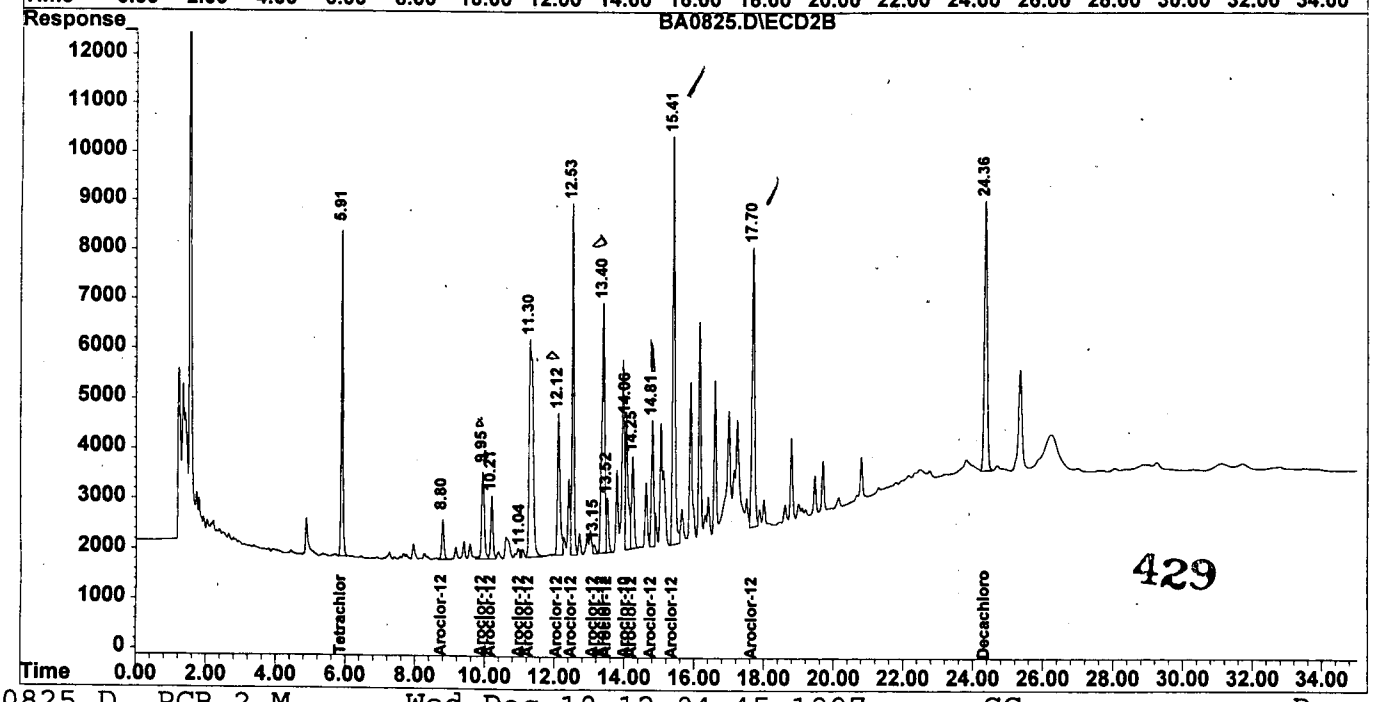
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_B\BA0825.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:46 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





429

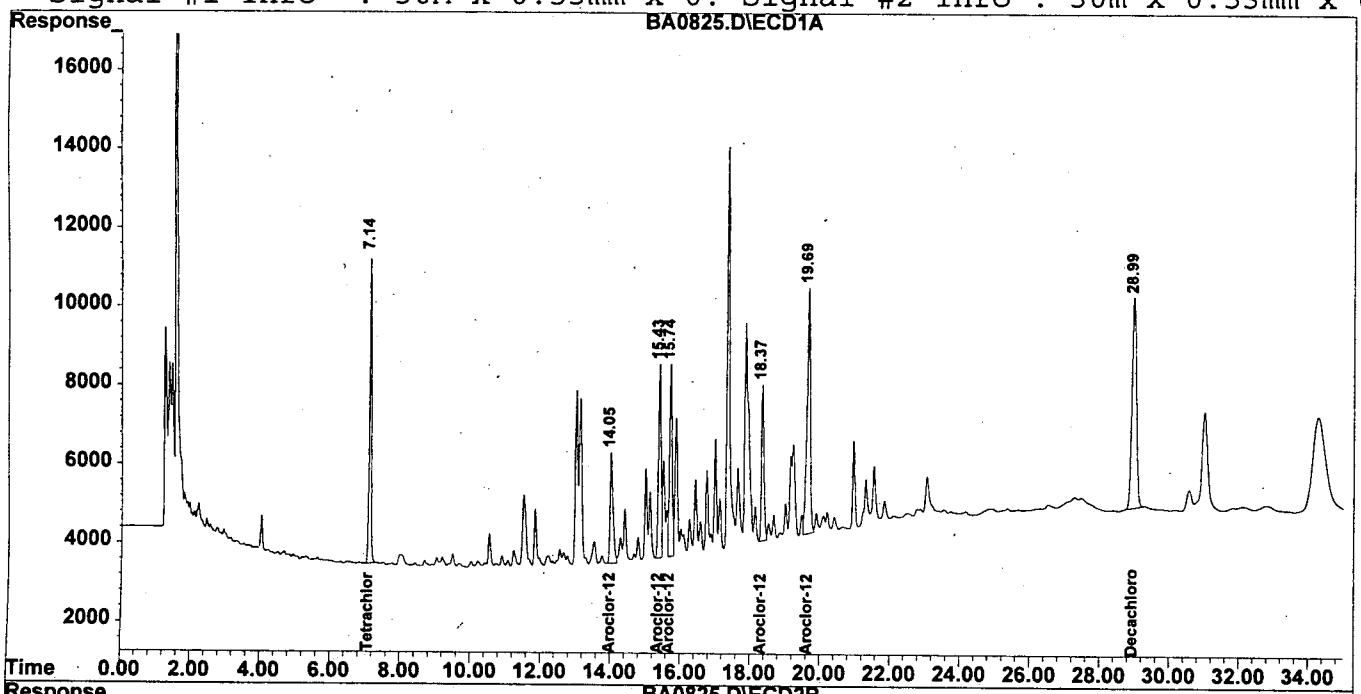
Quantitation Report

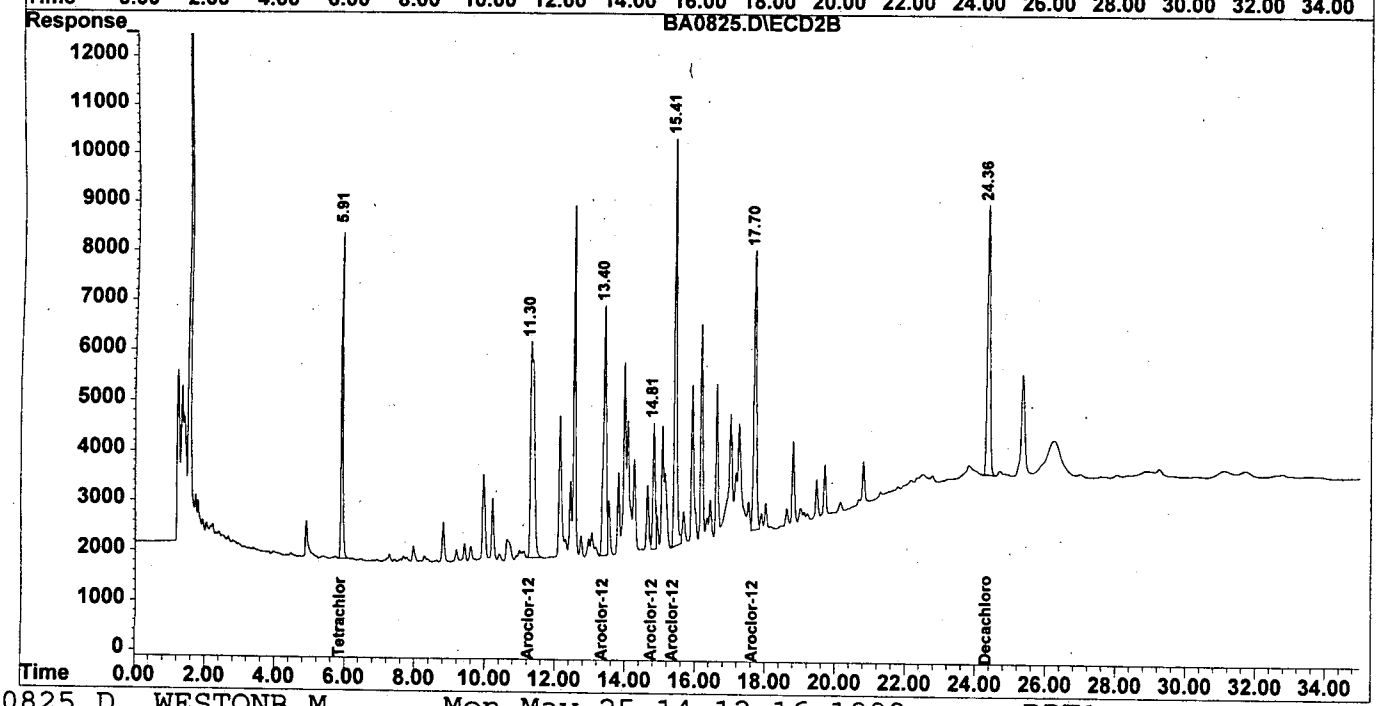
AMENDED REPORT MAY 2 6 1998

Signal #1 : E:\WESTDA~1\BA0825.D\ECD1A.CH Vial: 24
Signal #2 : E:\WESTDA~1\BA0825.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:29 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





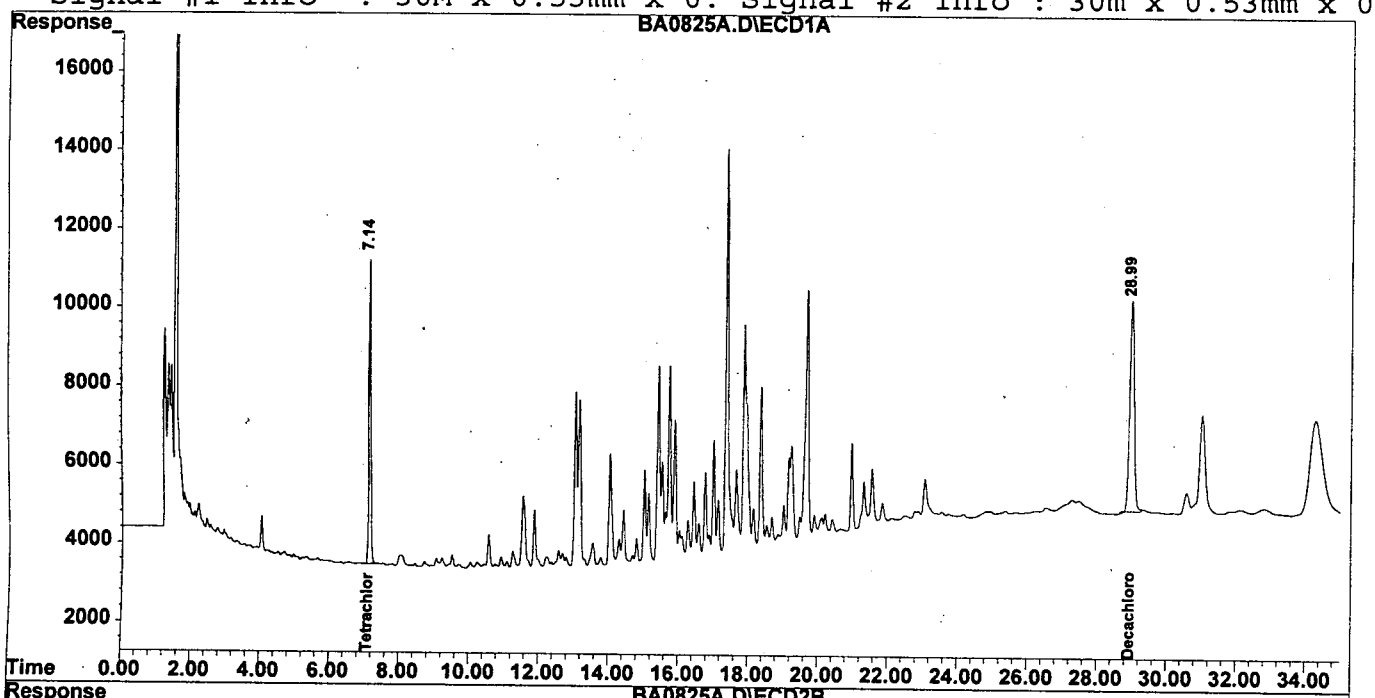
Quantitation Report

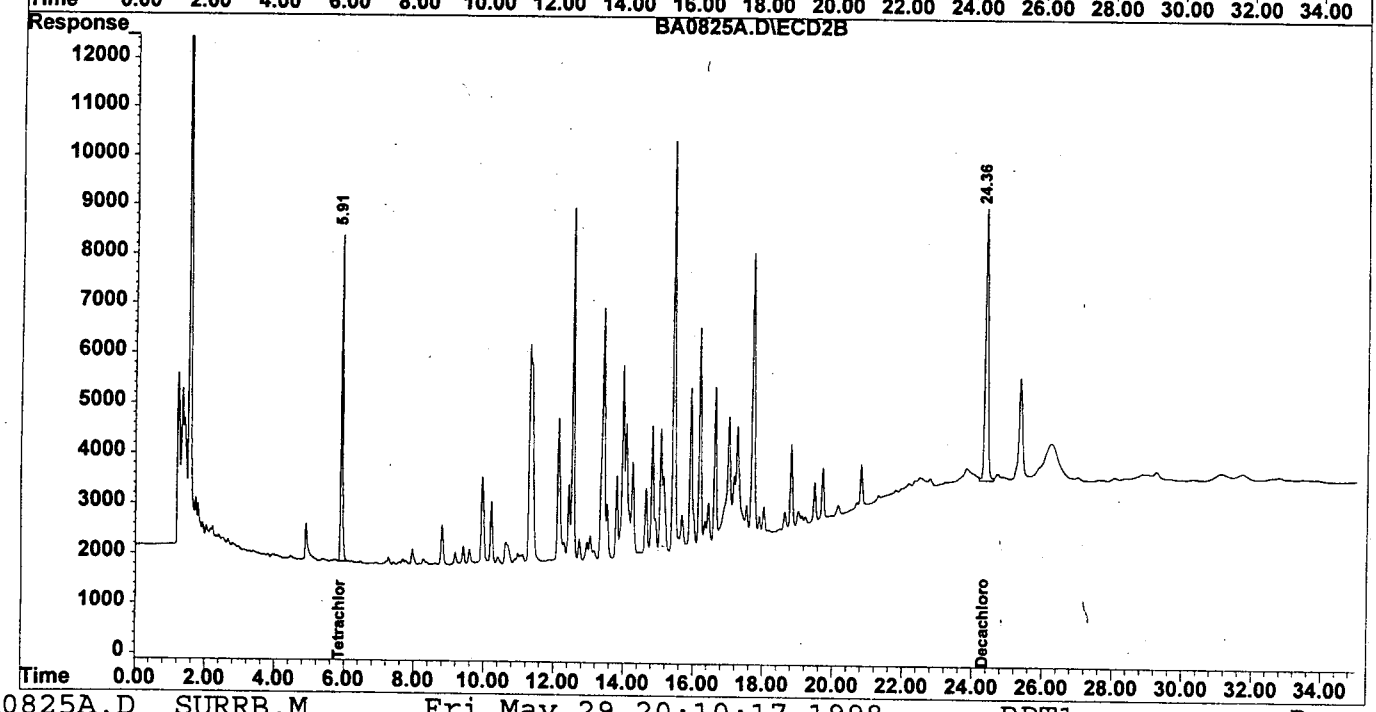
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0825A.D\ECD1A.CH Vial: 24
Signal #2 : E:\WESTDA~1\BA0825A.D\ECD2B.CH
Acq On : 10 Dec 97 8:49 Operator:
Sample : 278187 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278188
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	21.43%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	42	21
Aroclor-1221	U	U	85	59
Aroclor-1232	U	U	42	34
Aroclor-1242	U	U	42	21
Aroclor-1248	~~U~~ 390J	U	42	25
Aroclor-1254	~~1100~~ 1200J	U	42	30
Aroclor-1260	U	U	42	34

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD2B.CH
Acq On : 10 Dec 97 9:28 Operator:
Sample : 278188 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	340953	234826	37.637	36.255
Spiked Amount 40.000 Range 43 - 150 Recovery =					94.09%	90.64%
2) SA Decachlorobiphen	28.99	24.36	502365	325752	33.382	36.528
Spiked Amount 40.000 Range 24 - 154 Recovery =					83.45%	91.32%
Target Compounds						
3) L1 Aroclor-1016{1}	9.23	0.00	20212	0	94.955	N.D. #
4) L1 Aroclor-1016{2}	10.58	0.00	145172	0	307.905	N.D. #
5) L1 Aroclor-1016{3}	11.98	0.00	46428	0	56.445	N.D. #
7) L1 Aroclor-1016{5}	0.00	14.06	0	395806	N.D.	2683.796 #
Sum Aroclor-1016			211811	395806	459.305	2683.796
Average Aroclor-1016					153.102	2683.796
9) L2 Aroclor-1221{2}	0.00	7.41	0	7108	N.D.	100.805 #
10) L2 Aroclor-1221{3}	0.00	7.68	0	13133	N.D.	53.844 #
Sum Aroclor-1221			0	20242	N.D.	154.649
Average Aroclor-1221					0.000	77.325
11) L3 Aroclor-1232{1}	0.00	8.80	0	148901	N.D.	1028.897 #
12) L3 Aroclor-1232{2}	0.00	9.95	0	386129	N.D.	9242.955 #
13) L3 Aroclor-1232{3}	10.58	11.35	145172	767271	668.850	9210.831 #
14) L3 Aroclor-1232{4}	11.88	13.15	183909	42756	523.909	755.732 #
Sum Aroclor-1232			329081	1345057	1192.759	20238.415
Average Aroclor-1232					596.379	5059.604
15) L4 Aroclor-1242{1}	0.00	8.80	0	148901	N.D.	595.877 #
16) L4 Aroclor-1242{2}	10.58	9.95	145172	386129	395.906	5030.800 #
17) L4 Aroclor-1242{3}	11.27	10.97	76825	18165	692.954	112.613 #
19) L4 Aroclor-1242{5}	14.05	14.24	629713	417219	1732.886	4668.171 #
Sum Aroclor-1242			851709	970414	2821.745	10407.462
Average Aroclor-1242					940.582	2601.865
20) L5 Aroclor-1248{1}	10.58	10.20	145172	140227	748.324	336.671 #
21) L5 Aroclor-1248{2}	11.88	12.12	183909	532494	328.719	1571.333m#
22) L5 Aroclor-1248{3}	13.16	12.42	1035423	273044	2505.146	862.588m#

431

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD2B.CH
Acq On : 10 Dec 97 9:28 Operator:
Sample : 278188 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
23) L5 Aroclor-1248{4}	14.05	13.40	629713	927190	1268.723	3445.792m#
24) L5 Aroclor-1248{5}	16.12	15.41	117625	1279298	311.991	10157.013m#
Sum Aroclor-1248			2111842	3152253	5162.902	16373.397
Average Aroclor-1248					1032.580	3274.679
					m	m
25) L6 Aroclor-1254{1}	14.05	11.30	629713	523791	4639.325	2375.821 #
26) L6 Aroclor-1254{2}	15.41	13.40	1364147	937266	3700.083	2238.117 #
27) L6 Aroclor-1254{3}	15.74	14.81	882585	623169	1915.148	4168.663 #
28) L6 Aroclor-1254{4}	18.37	15.41	830556	1275511	2049.277	2624.889 #
29) L6 Aroclor-1254{5}	19.69	17.70	1464948	1081722	1697.498	2380.352 #
Sum Aroclor-1254			5171951	4441460	14001.331	13787.842
Average Aroclor-1254					2800.266	2757.568
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

CC 432

12/10/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

(QT Reviewed)
AMENDED REPORT MAY 2 8 1998
Vial: 25

Signal #1 : E:\WESTDA~1\BA0826.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0826.D\ECD2B.CH
Acq On : 10 Dec 97 9:28
Sample : 278188
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:29 1998 Quant Results File: WESTONB.RES

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.14	5.91	340205	234306	18.155	18.317	
Spiked Amount 40.000	Range	43 - 150		Recovery =	45.39%	45.79%	
2) SA Decachlorobiphen	28.99	24.36	502365	325238	22.780	35.013	#
Spiked Amount 40.000	Range	24 - 154		Recovery =	56.95%	87.53%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.04	11.30	596884	523132	4398.933m	2354.502	#
4) L6 Aroclor-1254{2}	15.41	13.40	1332628	934810	3474.170	2230.475	#
5) L6 Aroclor-1254{3}	15.74	14.81	859784	617106	1633.442	4115.938	#
6) L6 Aroclor-1254{4}	18.37	15.41	813051	1268531	1896.196	2550.632	#
7) L6 Aroclor-1254{5}	19.69	17.70	1454463	1057493	1674.811	2206.930	#
Sum Aroclor-1254			5056810	4401073	13077.551	13458.477	
Average Aroclor-1254					2615.510	2691.695	
					2169.65	2775.99	

5/20/98 432A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0826A.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDA~1\BA0826A.D\ECD2B.CH
Acq On : 10 Dec 97 9:28 Operator:
Sample : 278188 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	340205	234306	36.571	38.775
Spiked Amount 40.000 Range 43 - 150 Recovery =					91.43%	96.94%
2) SA Decachlorobiphen	28.98f	24.36f	520957	329829	34.496m	39.702m
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.24%	99.26%

Target Compounds

4 3 2B

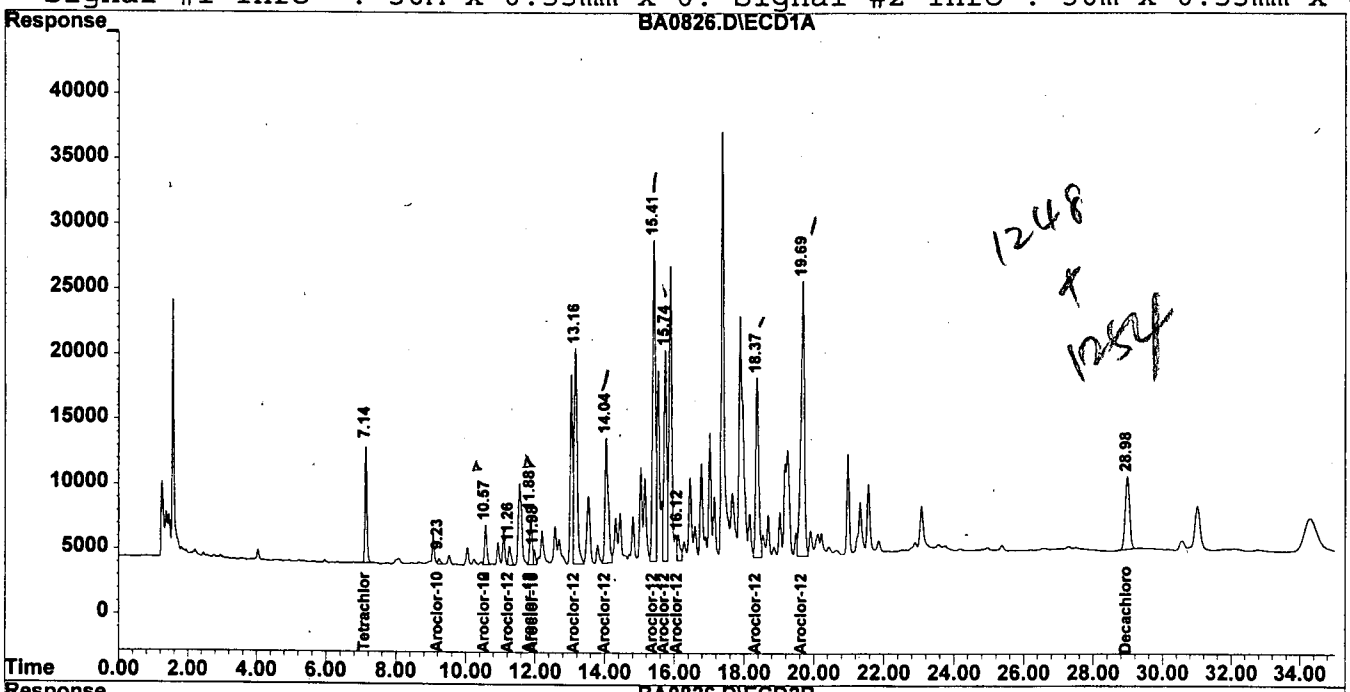
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

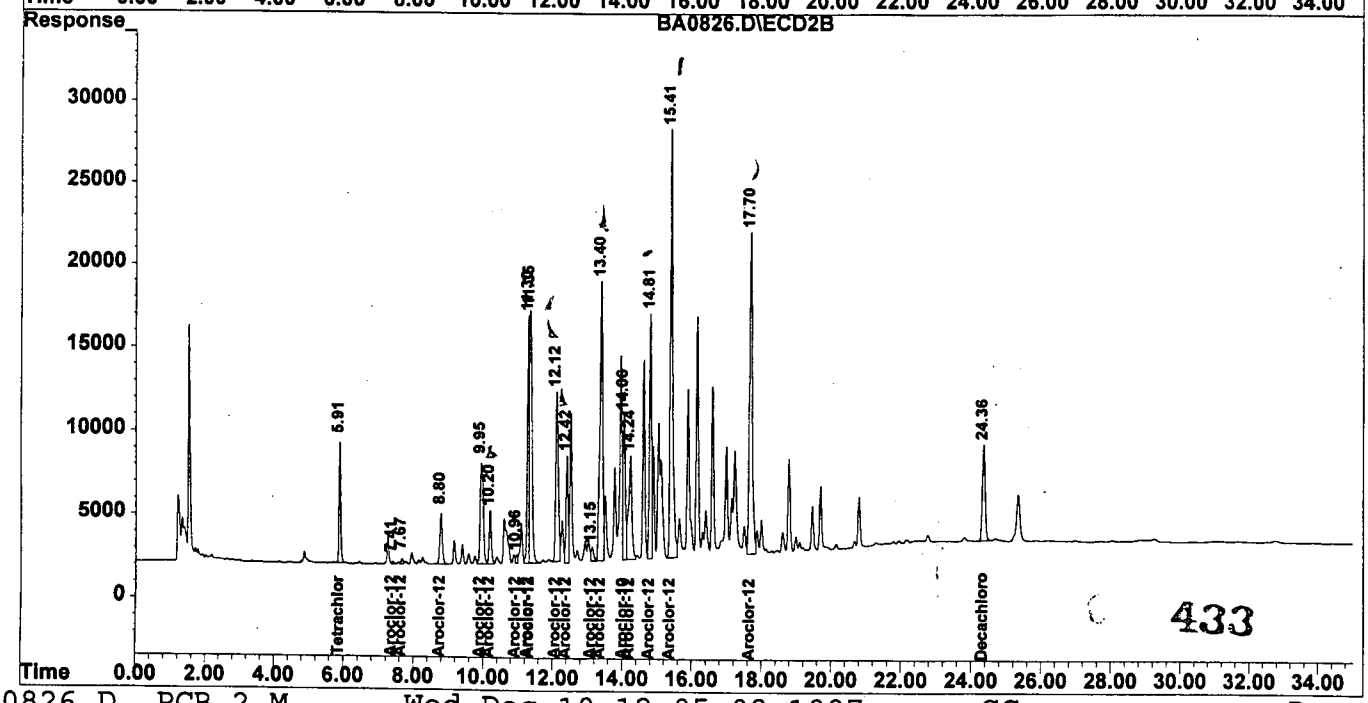
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0826.D\ECD2B.CH
Acq On : 10 Dec 97 9:28 Operator:
Sample : 278188 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:49 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





Quantitation Report

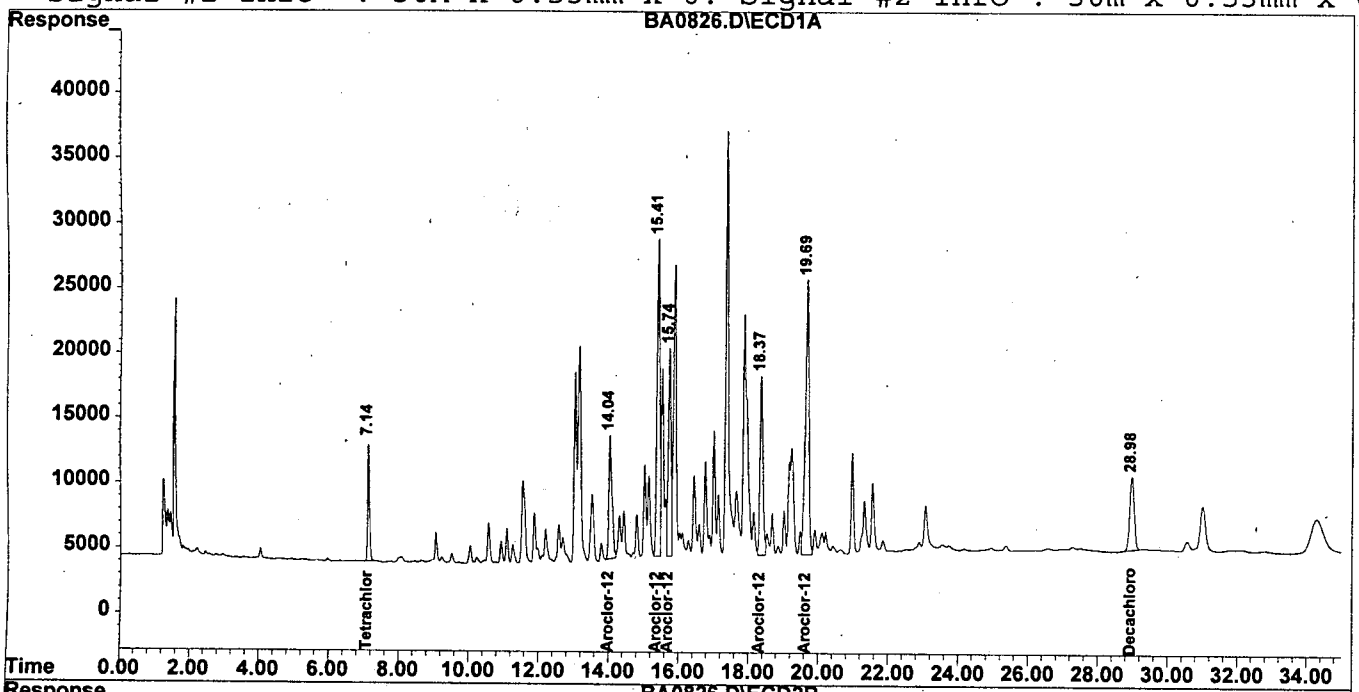
AMENDED REPORT MAY 2 8 1998

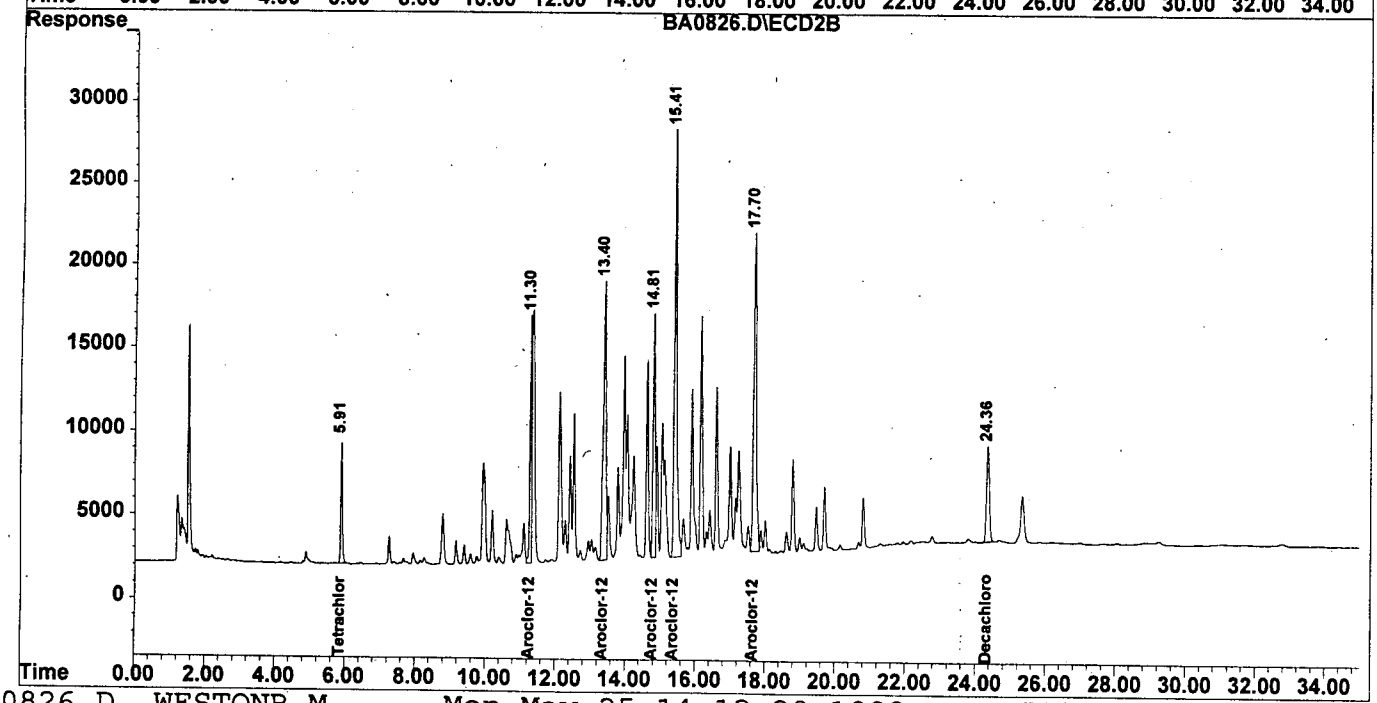
Signal #1 : E:\WESTDA~1\BA0826.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0826.D\ECD2B.CH
Acq On : 10 Dec 97 9:28
Sample : 278188
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:29 1998 Quant Results File: WESTONB.RES

Vial: 25
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





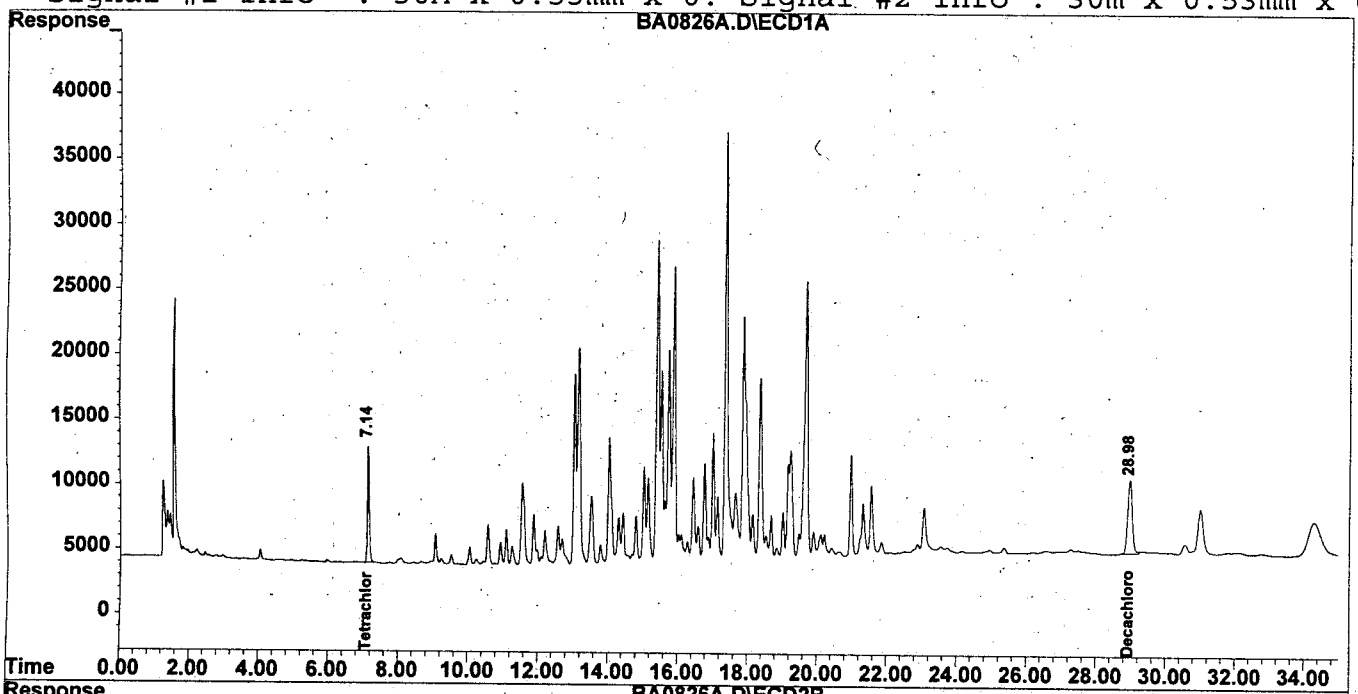
433A

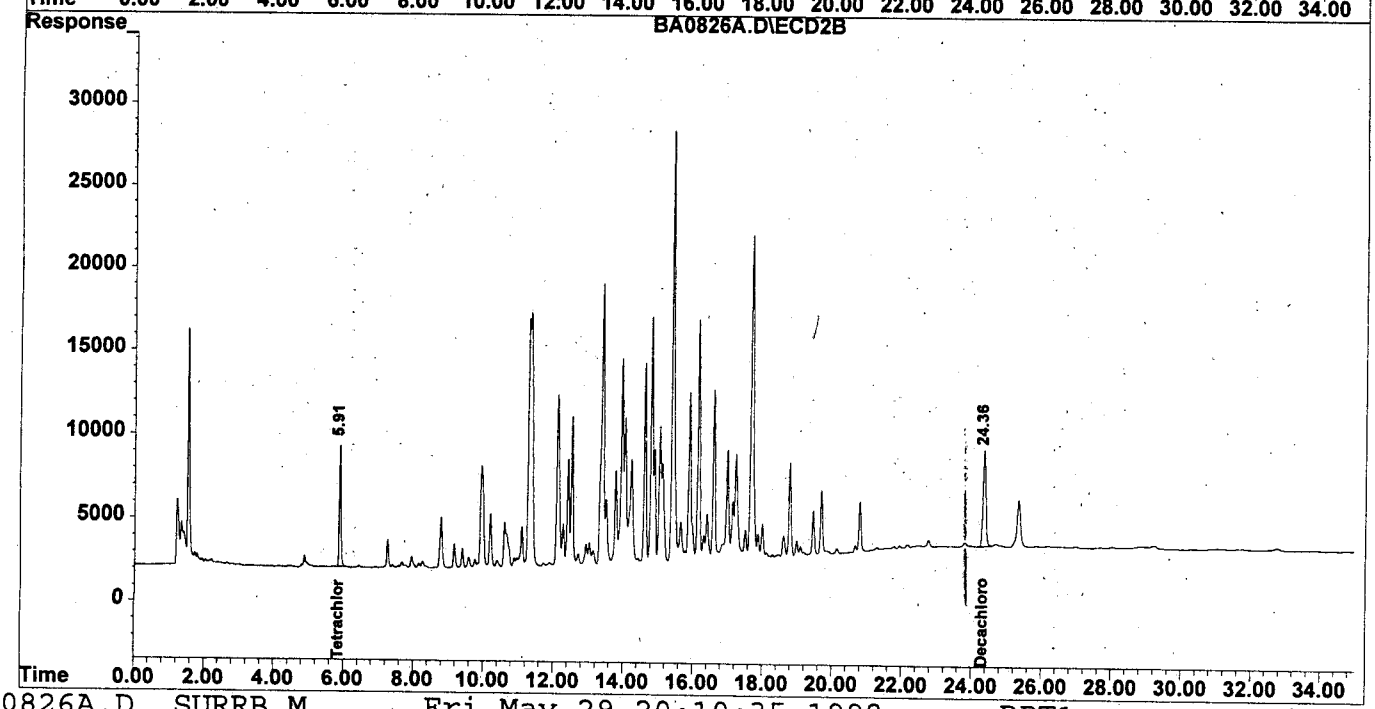
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0826A.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDA~1\BA0826A.D\ECD2B.CH
Acq On : 10 Dec 97 9:28 Operator:
Sample : 278188 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:45 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278189
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: DDDDSED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	13.66%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	39	19
Aroclor-1221	U	U	77	54
Aroclor-1232	U	U	39	31
Aroclor-1242	U	U	39	19
Aroclor-1248	U	U	39	23
Aroclor-1254	50	U	39	27
Aroclor-1260	U	U	39	31

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	324074	210908	35.773	32.563	
Spiked Amount 40.000 Range 43 - 150 Recovery =					89.43%	81.41%	
2) SA Decachlorobiphen	29.13	24.45	499165	289260	33.170	32.436	
Spiked Amount 40.000 Range 24 - 154 Recovery =					82.93%	81.09%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.17	0.00	17391	0	81.702	N.D.	#
5) L1 Aroclor-1016{3}	11.89	10.76	21779	8125	26.478	30.324	
6) L1 Aroclor-1016{4}	12.48	12.19	22422	36913	80.087	143.889	#
7) L1 Aroclor-1016{5}	13.18	14.03	45545	29954	139.482	203.102	#
Sum Aroclor-1016			107137	74992	327.750	377.315	
Average Aroclor-1016					81.937	125.772	
10) L2 Aroclor-1221{3}	9.17	0.00	17391	0	57.453	N.D.	#
Sum Aroclor-1221			17391	0	57.453	N.D.	
Average Aroclor-1221					57.453	0.000	
12) L3 Aroclor-1232{2}	9.17	0.00	17391	0	85.100	N.D.	#
13) L3 Aroclor-1232{3}	0.00	11.36	0	52427	N.D.	629.368	#
14) L3 Aroclor-1232{4}	11.89	0.00	21779	0	62.042	N.D.	#
Sum Aroclor-1232			39170	52427	147.142	629.368	
Average Aroclor-1232					73.571	629.368	
15) L4 Aroclor-1242{1}	9.17	0.00	17391	0	94.871	N.D.	#
17) L4 Aroclor-1242{3}	11.28	0.00	13946	0	125.788	N.D.	#
18) L4 Aroclor-1242{4}	12.85	12.19	55704	36913	323.381	159.513	#
19) L4 Aroclor-1242{5}	14.06	14.20	50894	16194	140.054	181.195	#
Sum Aroclor-1242			137935	53107	684.094	340.708	
Average Aroclor-1242					171.023	170.354	
20) L5 Aroclor-1248{1}	0.00	10.16	0	10868	N.D.	26.092	#
21) L5 Aroclor-1248{2}	11.89	12.19	21779	36913	38.927	108.927	#
22) L5 Aroclor-1248{3}	13.18	12.48	45545	22445	110.194	70.907	#
23) L5 Aroclor-1248{4}	14.06	13.46	50894	59652	102.540	221.691	#
24) L5 Aroclor-1248{5}	0.00	15.47	0	74055	N.D.	587.963	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum	Aroclor-1248			118218	203933	251.661	1015.580
Average	Aroclor-1248					83.887	203.116
25) L6	Aroclor-1254{1}	14.06	11.36	39570	20138	291.527m	91.342m#
26) L6	Aroclor-1254{2}	15.46	13.46	55577	59652	150.746	142.445
27) L6	Aroclor-1254{3}	15.78	14.87	77509	18433	168.189	123.308 #
28) L6	Aroclor-1254{4}	18.42	15.47	53534	74055	132.087	152.399
29) L6	Aroclor-1254{5}	19.74	17.76	87013	78166	100.826	172.006m#
Sum	Aroclor-1254			313203	250445	843.374	681.501
Average	Aroclor-1254					168.675	136.300
30) L7	Aroclor-1260{1}	0.00	15.96	0	39391	N.D.	115.574 #
31) L7	Aroclor-1260{2}	18.42	16.67	53534	28556	86.969	70.239
32) L7	Aroclor-1260{3}	0.00	17.76	0	129777	N.D.	251.633 #
33) L7	Aroclor-1260{4}	21.04	19.77	19631	12801	42.132	20.444 #
34) L7	Aroclor-1260{5}	0.00	20.88	0	16091	N.D.	34.067 #
Sum	Aroclor-1260			73165	226616	129.101	491.957
Average	Aroclor-1260					64.551	98.391

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
BA0846.D PCB_2.M Thu Dec 11 10:45:23 1997 GC Page 2

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0846.D\ECD1A.CH Vial: 4
Signal #2 : E:\WESTDA~1\BA0846.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:17 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	321182	208064	17.140	16.266
Spiked Amount 40.000 Range 43 - 150 Recovery =					42.85%#	40.66%#
2) SA Decachlorobiphen	29.13	24.45	499766	288865	22.662	31.097 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					56.66%	77.74%
Target Compounds						
3) L6 Aroclor-1254{1}	14.06	11.36	42884	24692	316.048m	111.133m#
4) L6 Aroclor-1254{2}	15.46	13.46	42865	58256	111.750	139.000
5) L6 Aroclor-1254{3}	15.78	14.87	59008	12237	112.105	81.615 #
6) L6 Aroclor-1254{4}	18.42	15.47	44724	57089	104.304	114.789
7) L6 Aroclor-1254{5}	19.74	17.76	70411	98734	81.078	206.052 #
Sum Aroclor-1254			259892	251008	725.285	652.591
Average Aroclor-1254					145.057	130.518

436A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0846A.D\ECD1A.CH Vial: 4
Signal #2 : E:\WESTDA~1\BA0846A.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	321182	208064	34.526	34.432
Spiked Amount 40.000 Range 43 - 150 Recovery =					86.32%	86.08%
2) SA Decachlorobiphen	29.13	24.45	499766	288865	33.093	34.771
Spiked Amount 40.000 Range 24 - 154 Recovery =					82.73%	86.93%

Target Compounds

436B

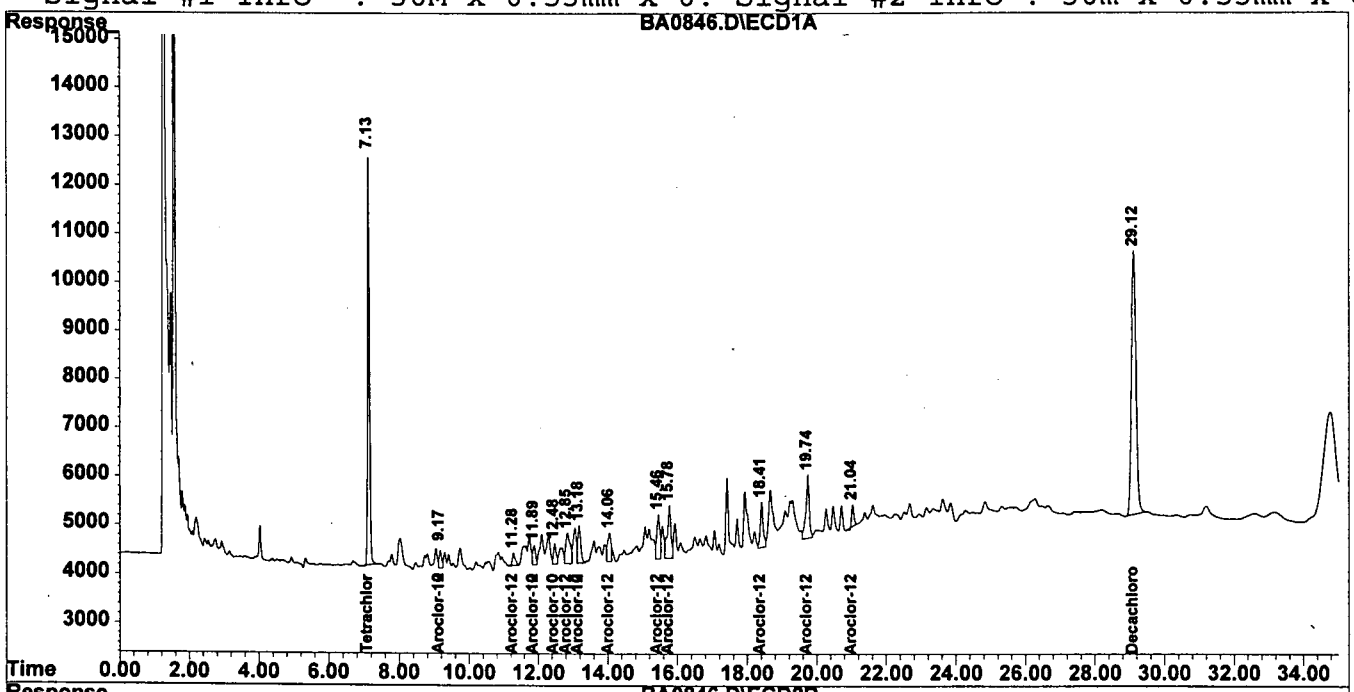
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

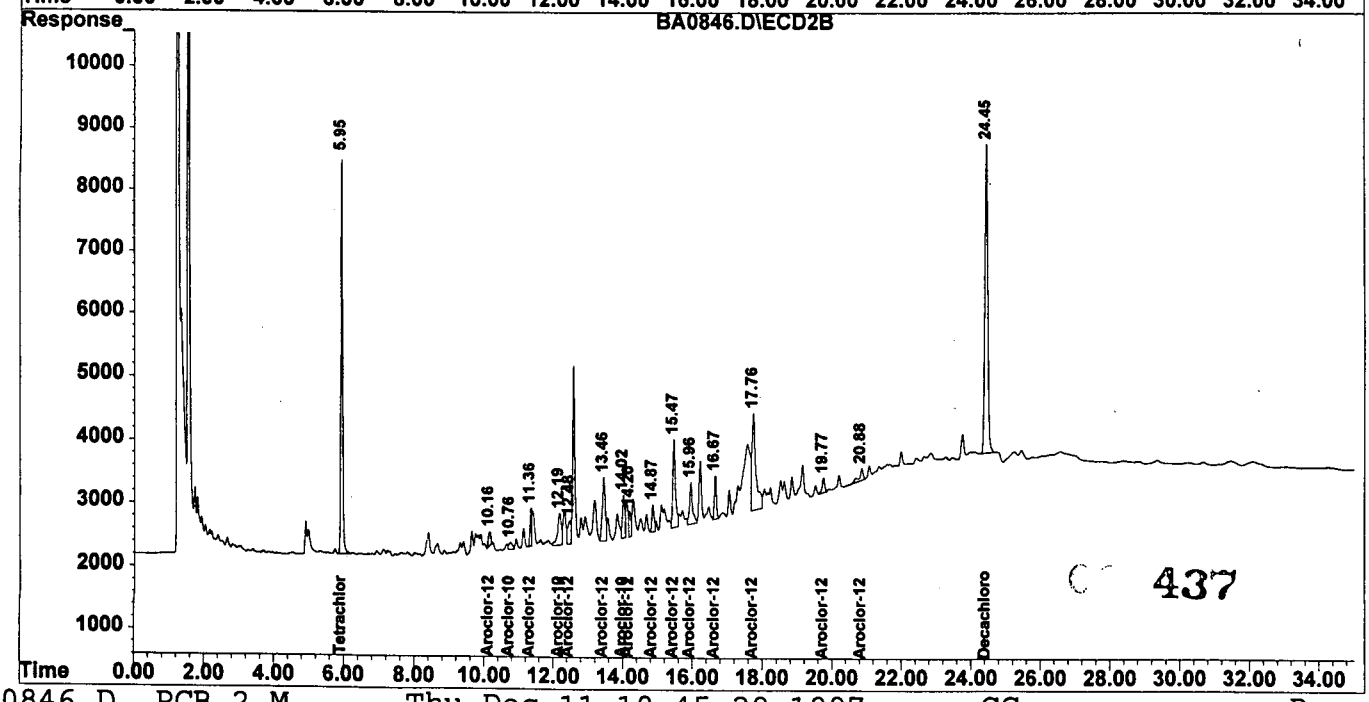
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_B\BA0846.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:30 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

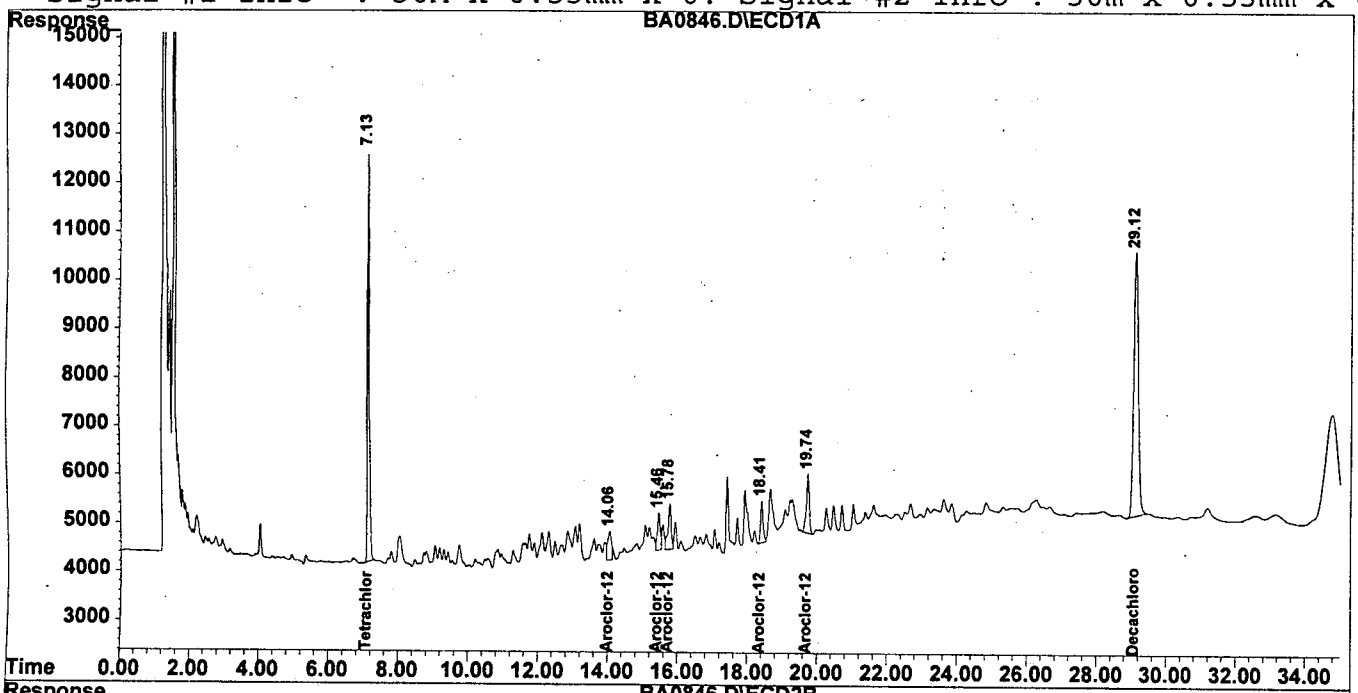
AMENDED REPORT MAY 2 8 1998

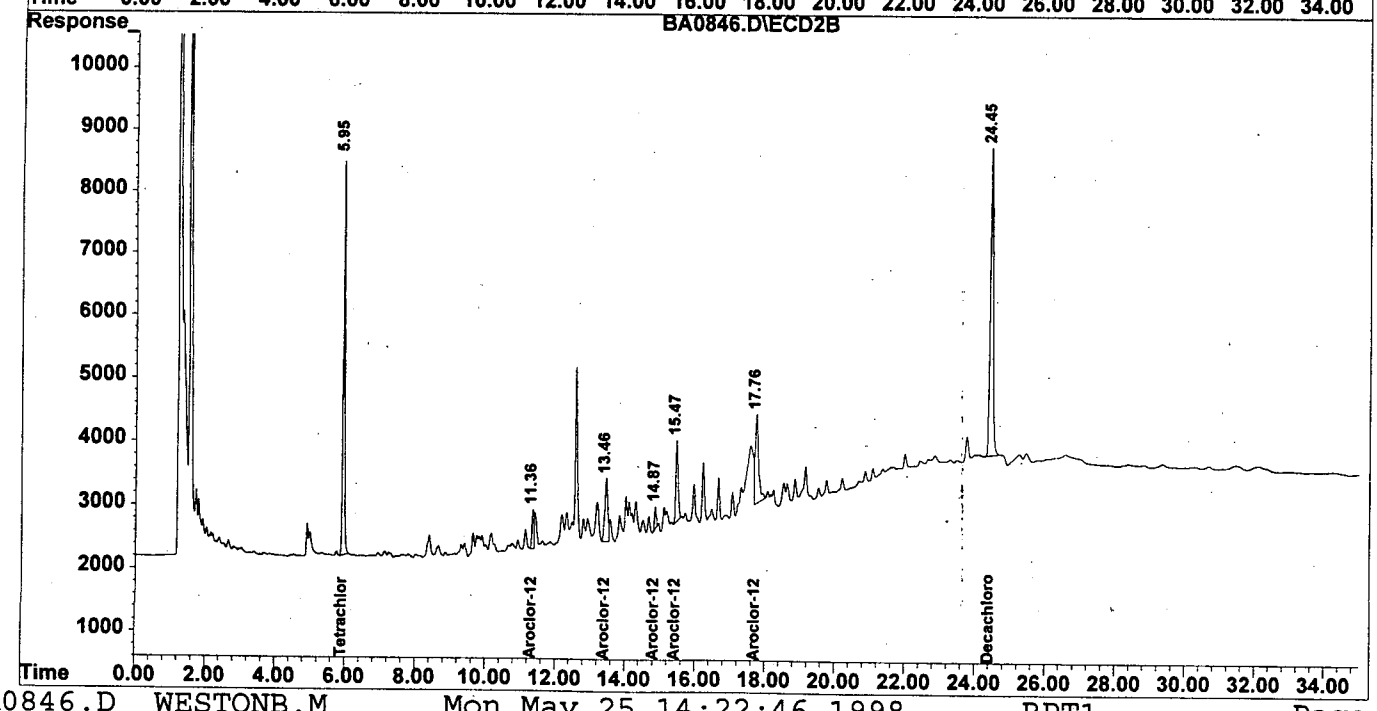
Signal #1 : E:\WESTDA~1\BA0846.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0846.D\ECD2B.CH
Acq On : 11 Dec 97 00:22
Sample : 278189
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:17 1998 Quant Results File: WESTONB.RES

Vial: 4
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





4437A

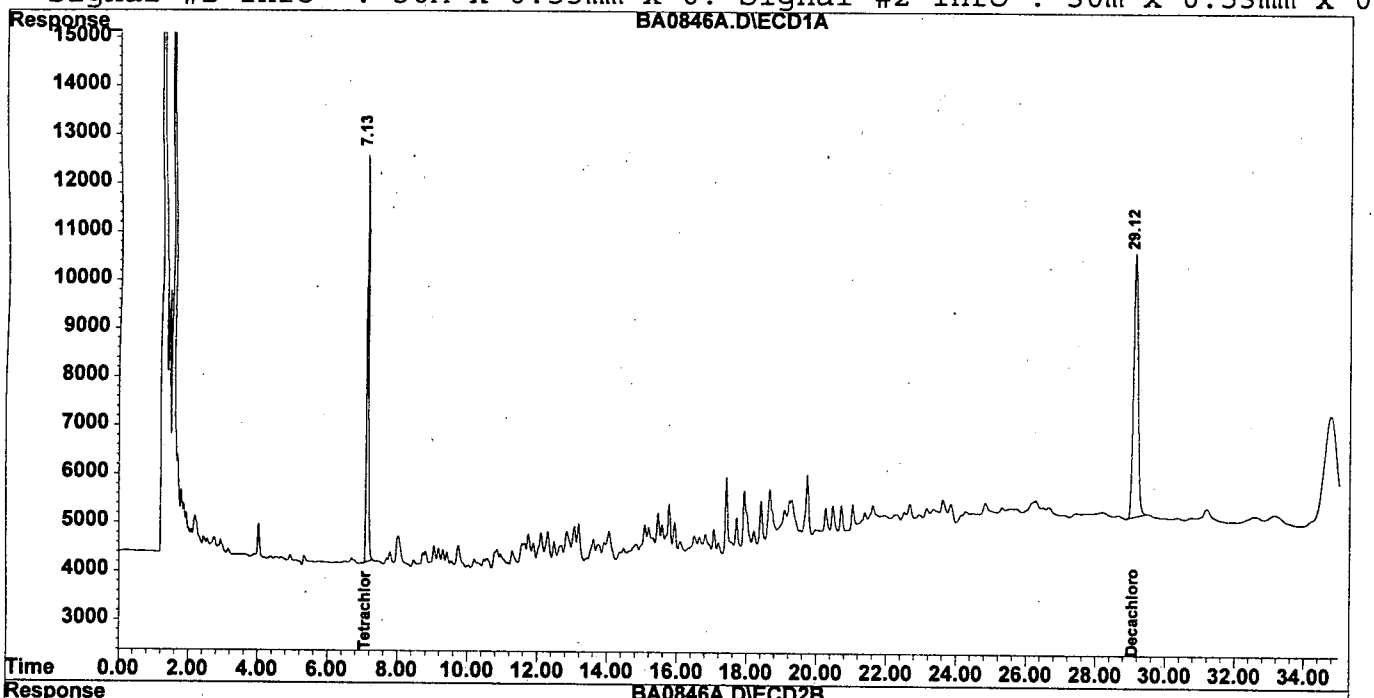
Quantitation Report

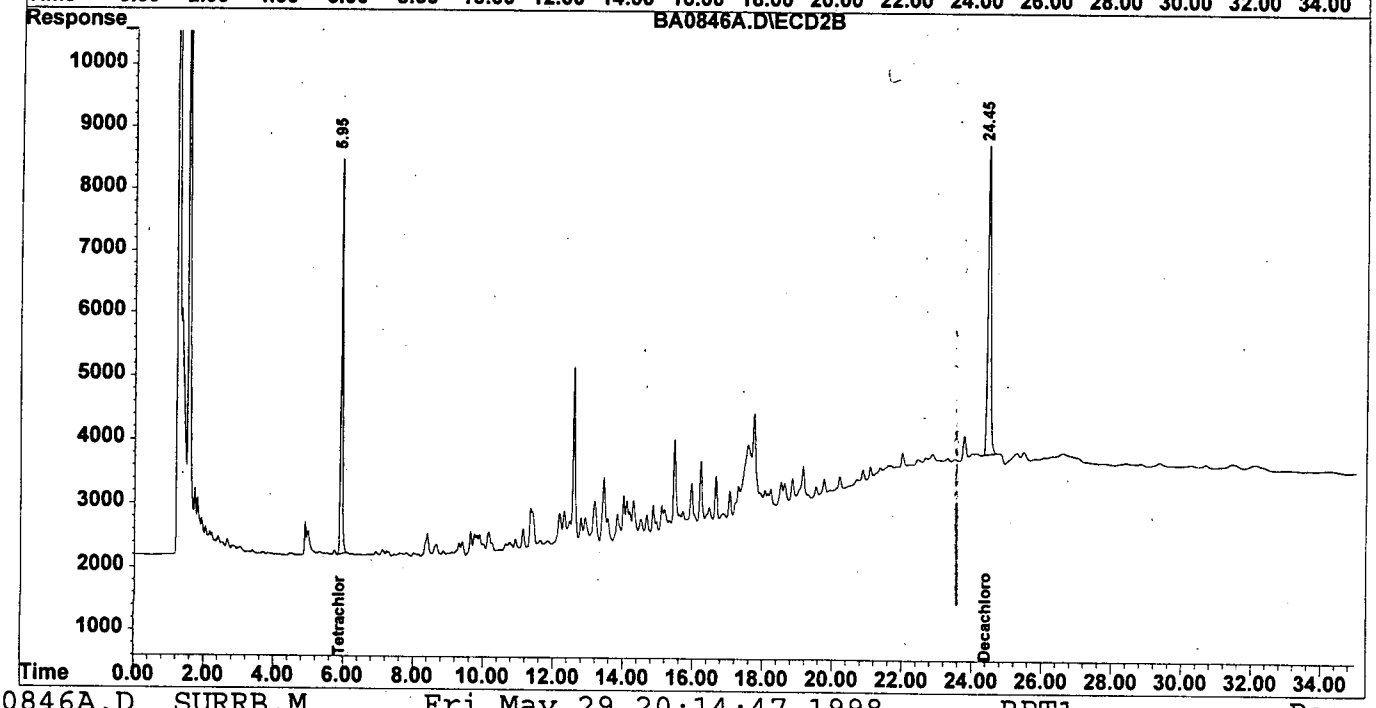
AMENDED REPORT MAY 30 1

Signal #1 : E:\WESTDA~1\BA0846A.D\ECD1A.CH Vial: 4
Signal #2 : E:\WESTDA~1\BA0846A.D\ECD2B.CH
Acq On : 11 Dec 97 00:22 Operator:
Sample : 278189 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





437b

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278190
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: EEEESED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	17.68%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	40	20
Aroclor-1221	U	U	81	57
Aroclor-1232	U	U	40	32
Aroclor-1242	U	U	40	20
Aroclor-1248	U	U	40	24
Aroclor-1254	~~450~~ 490	U	40	28
Aroclor-1260	U	U	40	32

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:32 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	436602	257405	48.195	39.741
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.49%	99.35%
2) SA Decachlorobiphen	29.12	24.45	574332	339787	38.165	38.102
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.41%	95.26%
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.85	0	44925	N.D.	154.372 #
4) L1 Aroclor-1016{2}	10.58	10.26	59910	80411	127.068	142.047
5) L1 Aroclor-1016{3}	11.90	10.66	82564	93683	100.377	349.641 #
6) L1 Aroclor-1016{4}	0.00	12.17	0	227725	N.D.	887.682 #
7) L1 Aroclor-1016{5}	13.19	14.02	451760	332802	1383.519	2256.594 #
Sum Aroclor-1016			594234	779547	1610.964	3790.336
Average Aroclor-1016					536.988	758.067
8) L2 Aroclor-1221{1}	0.00	6.95	0	8211	N.D.	84.984 #
9) L2 Aroclor-1221{2}	0.00	7.46	0	6436	N.D.	91.273 #
10) L2 Aroclor-1221{3}	0.00	7.62	0	6302	N.D.	25.838 #
Sum Aroclor-1221			0	20950	N.D.	202.096
Average Aroclor-1221					0.000	67.365
11) L3 Aroclor-1232{1}	0.00	8.85	0	44925	N.D.	310.428 #
12) L3 Aroclor-1232{2}	0.00	10.00	0	99207	N.D.	2374.768 #
13) L3 Aroclor-1232{3}	10.58	11.40	59910	525313	276.023	6306.206 #
14) L3 Aroclor-1232{4}	11.90	13.10	82564	98967	235.203	1749.305 #
Sum Aroclor-1232			142474	768412	511.226	10740.706
Average Aroclor-1232					255.613	2685.177
15) L4 Aroclor-1242{1}	0.00	8.85	0	44925	N.D.	179.782 #
16) L4 Aroclor-1242{2}	10.58	10.00	59910	99207	163.384	1292.550 #
17) L4 Aroclor-1242{3}	11.28	0.00	28421	0	256.360	N.D. #
18) L4 Aroclor-1242{4}	0.00	12.17	0	227725	N.D.	984.073 #
19) L4 Aroclor-1242{5}	14.07	14.30	280405	197274	771.636	2207.261 #
Sum Aroclor-1242			368736	569132	1191.380	4663.666
Average Aroclor-1242					397.127	1165.916

12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
BA0847.D PCB_2.M Thu Dec 11 10:45:43 1997 GC Page 1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:32 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
20) L5	Aroclor-1248{1}	10.58	10.26	59910	80411	308.821	193.059	#
21) L5	Aroclor-1248{2}	11.90	12.17	82564	227725	147.575	671.993	#
22) L5	Aroclor-1248{3}	13.19	12.47	451760	116899	1093.008	369.302	#
23) L5	Aroclor-1248{4}	14.07	13.46	280405	473301	564.949	1758.969	#
24) L5	Aroclor-1248{5}	16.08	15.47	42640	665936	113.099	5287.209	#
Sum	Aroclor-1248			917279	1564272	2227.452	8280.532	
Average	Aroclor-1248					445.490	1656.106	
25) L6	Aroclor-1254{1}	14.07	11.36	280405	218186	2065.843	989.651	m#
26) L6	Aroclor-1254{2}	15.46	13.46	566741	473301	1537.216	1130.206	#
27) L6	Aroclor-1254{3}	15.78	14.87	527216	226358	1144.021	1514.210	#
28) L6	Aroclor-1254{4}	18.41	15.47	461707	665936	1139.194	1370.436	
29) L6	Aroclor-1254{5}	19.74	17.76	811163	581161	939.930	1278.857	#
Sum	Aroclor-1254			2647231	2164942	6826.203	6283.361	
Average	Aroclor-1254					1365.241	1256.672	
30) L7	Aroclor-1260{1}	0.00	15.96	0	312424	N.D.	916.667	#
31) L7	Aroclor-1260{2}	18.41	16.67	461707	259024	750.075	637.133	
32) L7	Aroclor-1260{3}	19.96	17.76	42631	581161	93.430	1126.846	#
33) L7	Aroclor-1260{4}	21.03	19.77	206685	89303	443.585	142.622	#
34) L7	Aroclor-1260{5}	21.61	20.87	223498	73568	173.372	155.752	
Sum	Aroclor-1260			934521	1315480	1460.463	2979.020	
Average	Aroclor-1260					365.116	595.804	

(440

12/11/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0847.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDA~1\BA0847.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:18 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	357286	228128	19.066	17.834	
Spiked Amount 40.000 Range 43 - 150 Recovery =					47.67%	44.58%	
2) SA Decachlorobiphen	29.12	24.45	575524	338021	26.097	36.389	#
Spiked Amount 40.000 Range 24 - 154 Recovery =					65.24%	90.97%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.07	11.36	158480	209939	1167.970m	944.887	
4) L6 Aroclor-1254{2}	15.46	13.46	549039	472080	1431.347	1126.392	
5) L6 Aroclor-1254{3}	15.78	14.87	513249	225525	975.085	1504.195	#
6) L6 Aroclor-1254{4}	18.41	15.47	461555	662890	1076.438	1332.872	
7) L6 Aroclor-1254{5}	19.74	17.76	810672	549733	933.488	1147.263	
Sum Aroclor-1254			2492995	2120168	5584.327	6055.609	
Average Aroclor-1254					1116.865	1211.122	

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0847A.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDA~1\BA0847A.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	357286	228128	38.407	37.752
Spiked Amount 40.000	Range 43 - 150		Recovery =		96.02%	94.38%
2) SA Decachlorobiphen	29.12	24.45	575524	338021	38.109	40.688
Spiked Amount 40.000	Range 24 - 154		Recovery =		95.27%	101.72%

Target Compounds

440b

Jan 5/8/98

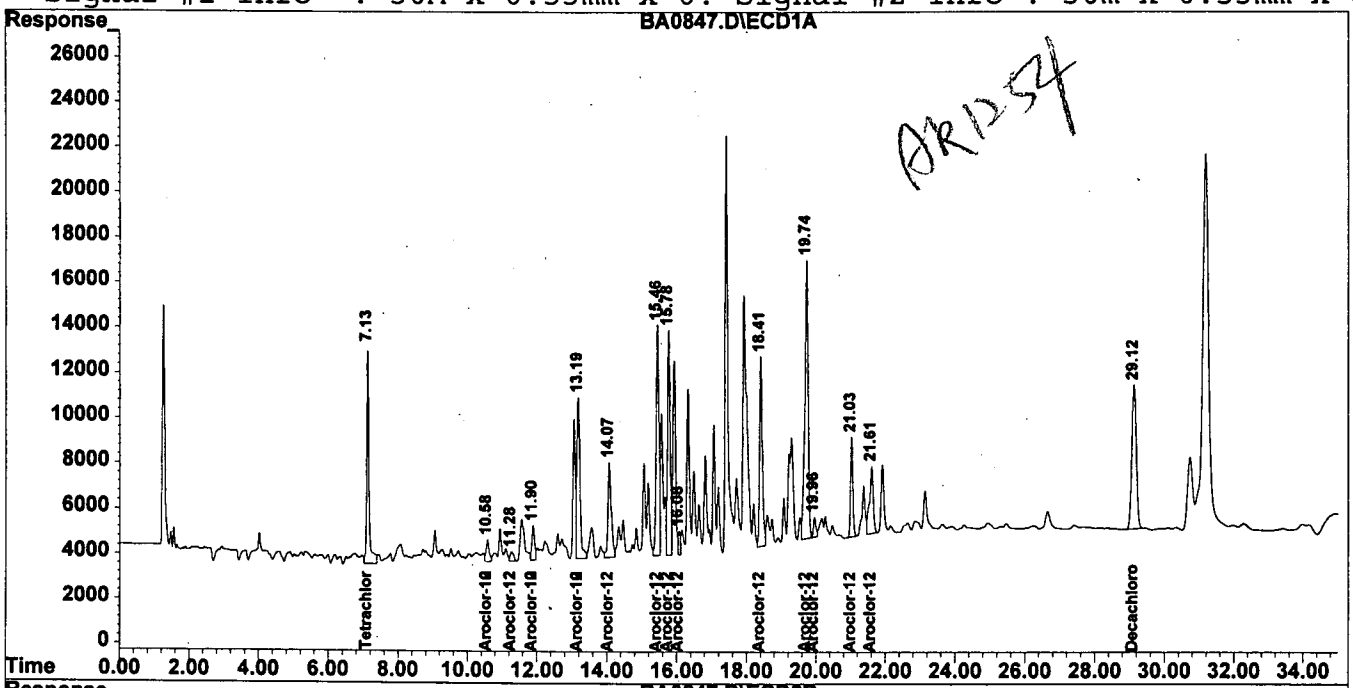
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

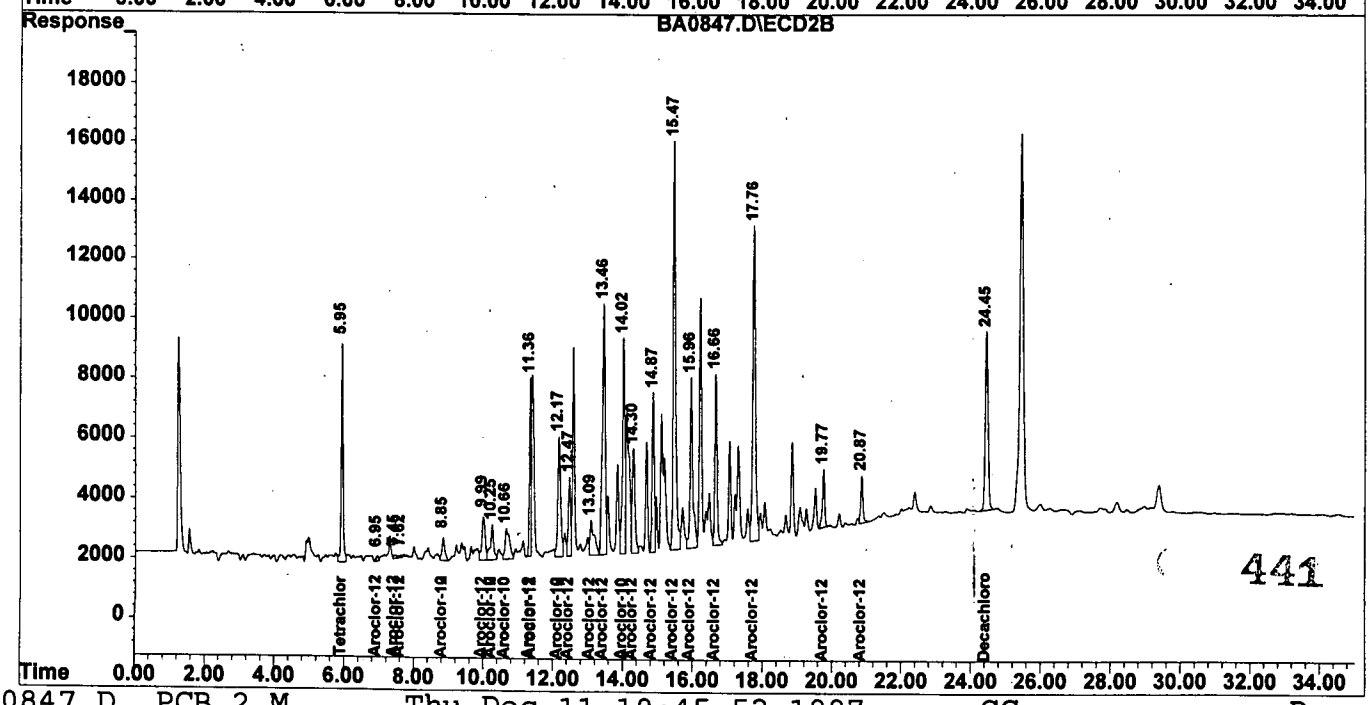
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_B\BA0847.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:32 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

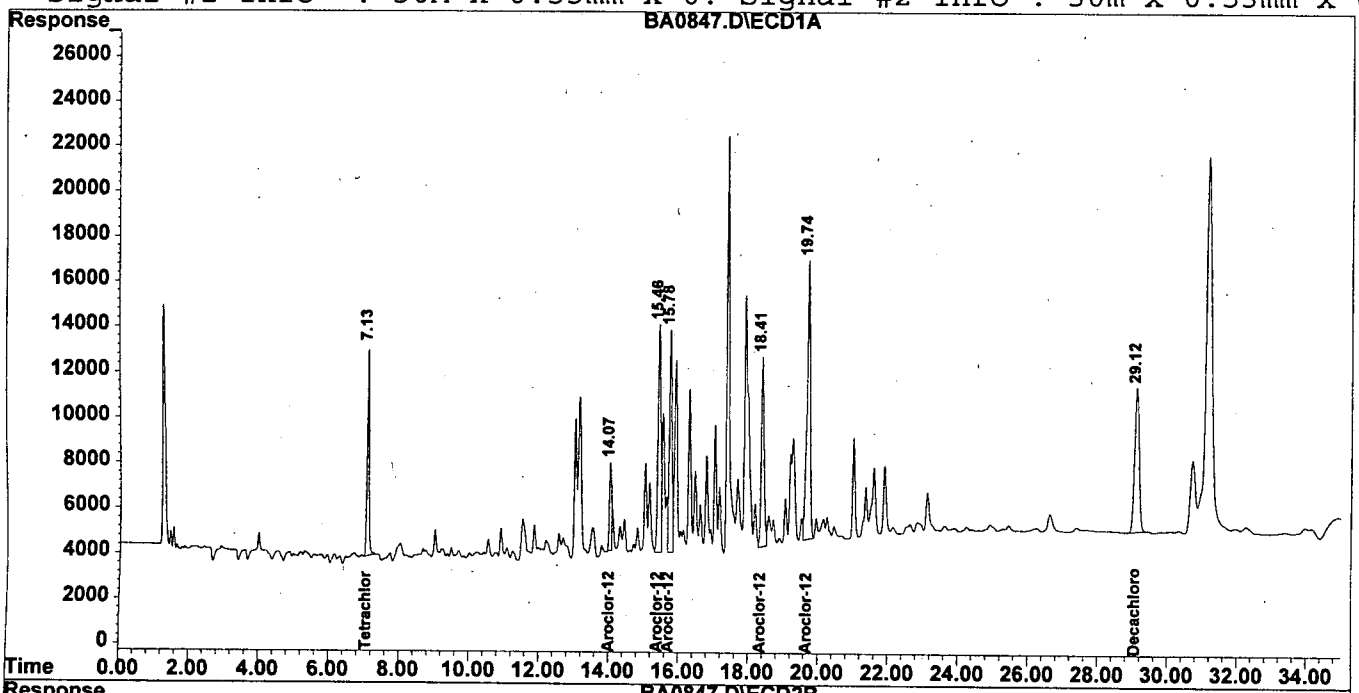
AMENDED REPORT MAY 2 8 1998

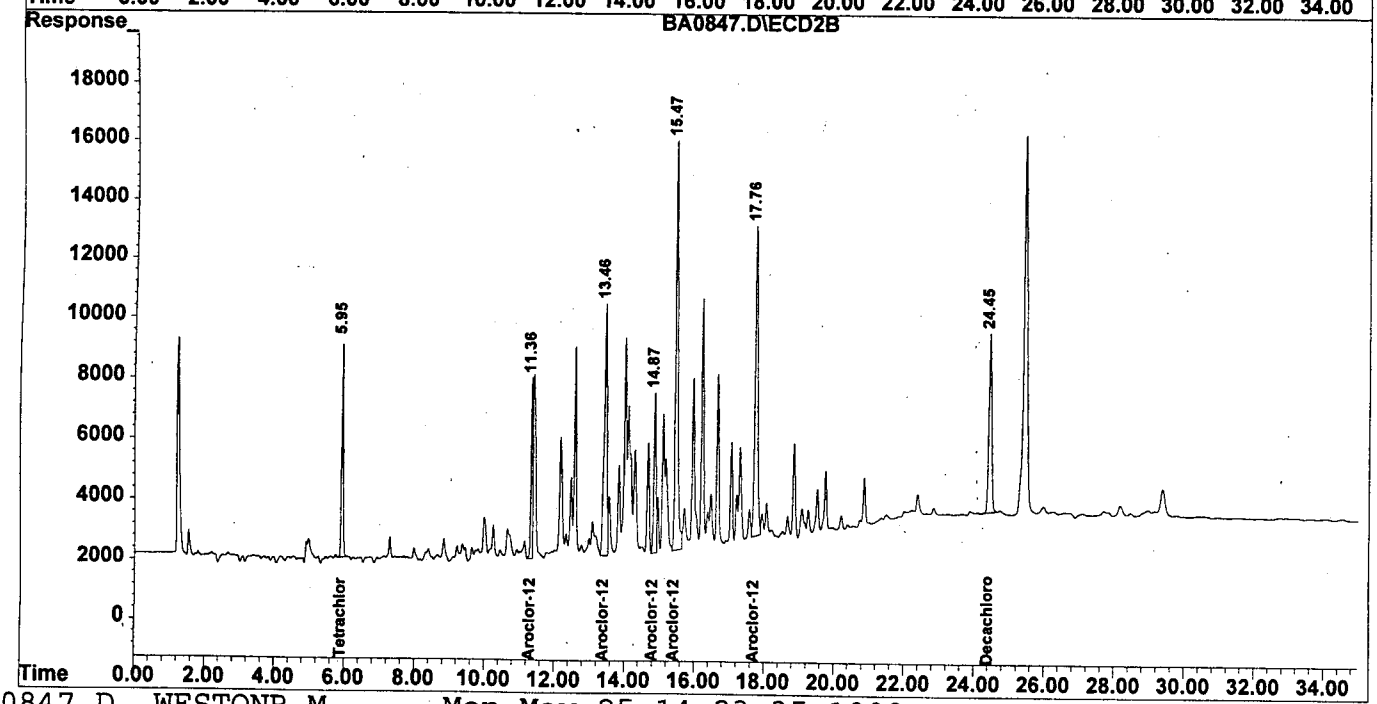
Signal #1 : E:\WESTDA~1\BA0847.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0847.D\ECD2B.CH
Acq On : 11 Dec 97 1:01
Sample : 278190
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:18 1998 Quant Results File: WESTONB.RES

Vial: 5
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





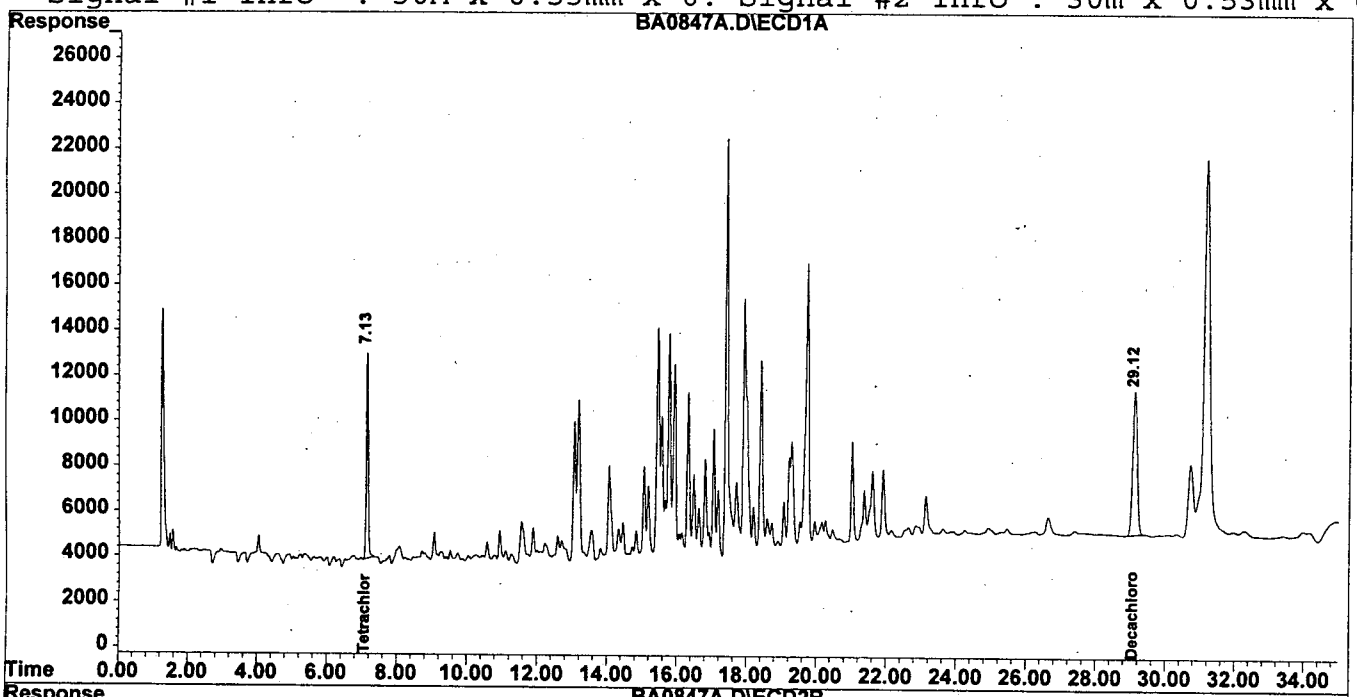
Quantitation Report

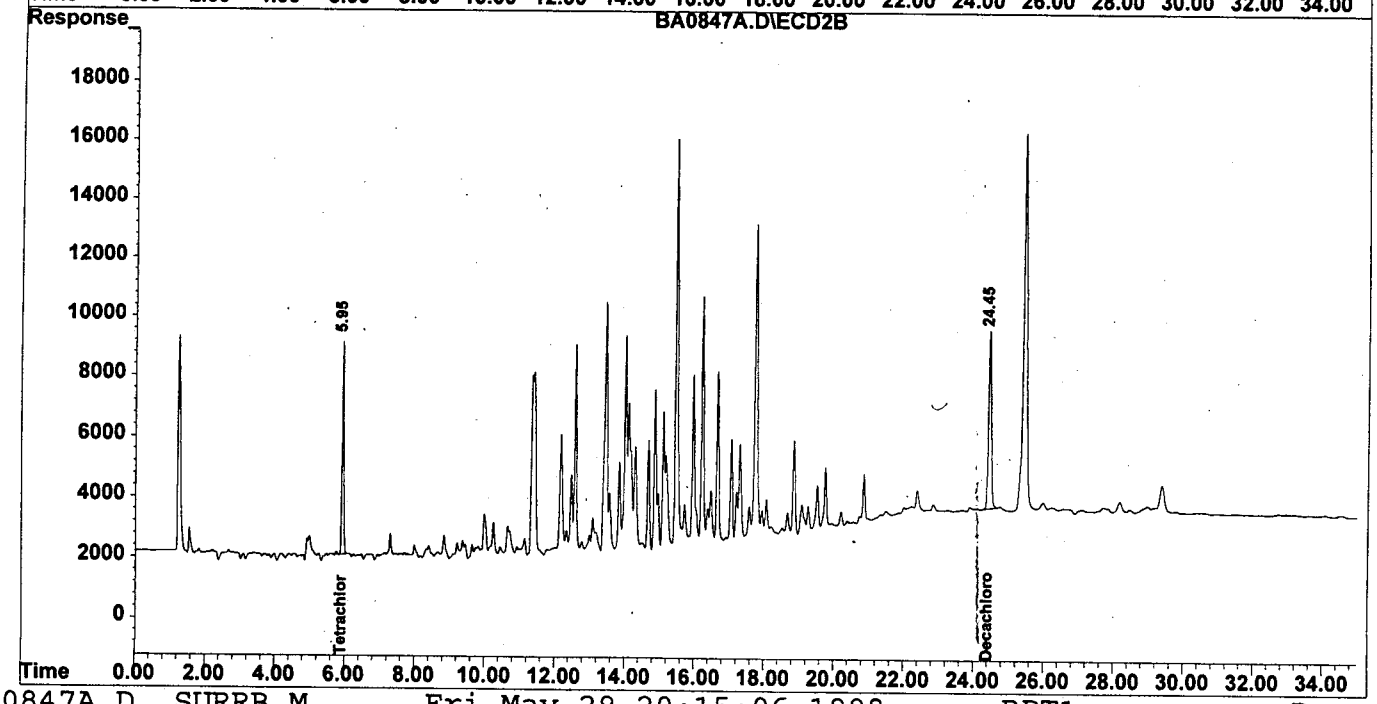
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0847A.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDA~1\BA0847A.D\ECD2B.CH
Acq On : 11 Dec 97 1:01 Operator:
Sample : 278190 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

AMENDED REPORT MAY 28 1998

PCB Results
Analysis by Gas Chromatography

Lab Number: 278191
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: FFFFSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	18.98%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	20
Aroclor-1221	U	U	82	58
Aroclor-1232	U	U	41	33
Aroclor-1242	U	U	41	20
Aroclor-1248	U	U	41	25
Aroclor-1254	~~1200~~ 1300	U	41	29
Aroclor-1260	U	U	41	33

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	391720	225968	43.241	34.888
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.10%	87.22%
2) SA Decachlorobiphen	29.12	24.45	607193	367268	40.348	41.183
Spiked Amount 40.000 Range 24 - 154 Recovery =					100.87%	102.96%
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.84	0	75298	N.D.	258.739 #
4) L1 Aroclor-1016{2}	10.58	10.26	95057	89272	201.613	157.700
5) L1 Aroclor-1016{3}	11.90	10.66	146724	88579	178.380	330.590 #
6) L1 Aroclor-1016{4}	0.00	12.18	0	463432	N.D.	1806.475 #
7) L1 Aroclor-1016{5}	13.18	14.02	639929	743339	1959.788	5040.271 #
Sum Aroclor-1016			881710	1459919	2339.782	7598.775
Average Aroclor-1016					779.927	1518.755
9) L2 Aroclor-1221{2}	8.92	7.45	31777	26053	323.524	369.462
10) L2 Aroclor-1221{3}	0.00	7.62	0	18279	N.D.	74.940 #
Sum Aroclor-1221			31777	44333	323.524	444.402
Average Aroclor-1221					323.524	222.201
11) L3 Aroclor-1232{1}	8.92	8.84	31777	75298	555.126	520.301
12) L3 Aroclor-1232{2}	0.00	9.99	0	171377	N.D.	4102.330 #
13) L3 Aroclor-1232{3}	10.58	11.35	95057	895505	437.956	10750.235 #
14) L3 Aroclor-1232{4}	11.90	13.09	146724	100054	417.978	1768.516 #
Sum Aroclor-1232			273558	1242233	1411.060	17141.381
Average Aroclor-1232					470.353	4285.345
15) L4 Aroclor-1242{1}	0.00	8.84	0	75298	N.D.	301.328 #
16) L4 Aroclor-1242{2}	10.58	9.99	95057	171377	259.235	2232.836 #
17) L4 Aroclor-1242{3}	11.28	0.00	52760	0	475.891	N.D. #
18) L4 Aroclor-1242{4}	12.82	12.18	26354	463432	152.994	2002.635 #
19) L4 Aroclor-1242{5}	14.07	14.30	555936	438124	1529.860	4902.077 #
Sum Aroclor-1242			730106	1148230	2417.980	9438.876
Average Aroclor-1242					604.495	2359.719
20) L5 Aroclor-1248{1}	10.58	10.26	95057	89272	489.995	214.333 #

443

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
21)	L5 Aroclor-1248{2}	11.90	12.18	146724	463432	262.254	1367.538 #
22)	L5 Aroclor-1248{3}	13.18	12.47	639929	433684	1548.272	1370.074
23)	L5 Aroclor-1248{4}	14.07	13.46	555936	1106339	1120.079	4111.580 #
24)	L5 Aroclor-1248{5}	16.07	15.47	242307	1440056	642.703	11433.355 #
	Sum Aroclor-1248			1679953	3532783	4063.303	18496.880
	Average Aroclor-1248					812.661	3699.376
						NP	NP
25)	L6 Aroclor-1254{1}	14.07	11.35	555936	895505	4095.780	4061.846
26)	L6 Aroclor-1254{2}	15.46	13.46	1209494	1106339	3280.606	2641.851
27)	L6 Aroclor-1254{3}	15.77	14.87	1455907	556259	3159.217	3721.072
28)	L6 Aroclor-1254{4}	18.41	15.47	1133188	1440056	2795.976	2963.507
29)	L6 Aroclor-1254{5}	19.74	17.76	2225718	1322437	2579.034	2910.049
	Sum Aroclor-1254			6580243	5320596	15910.611	16298.326
	Average Aroclor-1254					3182.122	3259.665
30)	L7 Aroclor-1260{1}	0.00	15.96	0	697858	N.D.	2047.549 #
31)	L7 Aroclor-1260{2}	18.41	16.66	1133188	630649	1840.943	1551.237
32)	L7 Aroclor-1260{3}	19.96	17.76	224065	1322437	491.061	2564.146 #
33)	L7 Aroclor-1260{4}	21.03	19.77	638095	229547	1369.473	366.601 #
34)	L7 Aroclor-1260{5}	21.62	20.87	476144	184577	369.355	390.770
	Sum Aroclor-1260			2471491	3065068	4070.831	6920.303
	Average Aroclor-1260					1017.708	1384.061
						NP	NP

444

12/4/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0844.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0844.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:16 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.95	367271	224168	19.599	17.525	
Spiked Amount 40.000 Range 43 - 150 Recovery =					49.00%	43.81%	
2) SA Decachlorobiphen	29.12	24.45	607193	331884	27.534	35.729	#
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.84%	89.32%	
Target Compounds							
3) L6 Aroclor-1254{1}	14.07	11.35	550742	893165	4058.874m	4019.940	
4) L6 Aroclor-1254{2}	15.46	13.46	1161180	1105241	3027.202	2637.126	
5) L6 Aroclor-1254{3}	15.77	14.87	1406160	556061	2671.461	3708.783	#
6) L6 Aroclor-1254{4}	18.41	15.47	1108708	1440016	2585.728	2895.437	
7) L6 Aroclor-1254{5}	19.74	17.76	2205328	1321880	2539.431	2758.690	
Sum Aroclor-1254			6432118	5316363	14882.697	16019.976	
Average Aroclor-1254					2976.539	3203.995	

444A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0844A.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0844A.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	367271	224168	39.480	37.097
Spiked Amount 40.000 Range 43 - 150 Recovery =					98.70%	92.74%
2) SA Decachlorobiphen	29.12	24.45	607193	331884	40.206	39.950
Spiked Amount 40.000 Range 24 - 154 Recovery =					100.52%	99.88%

Target Compounds

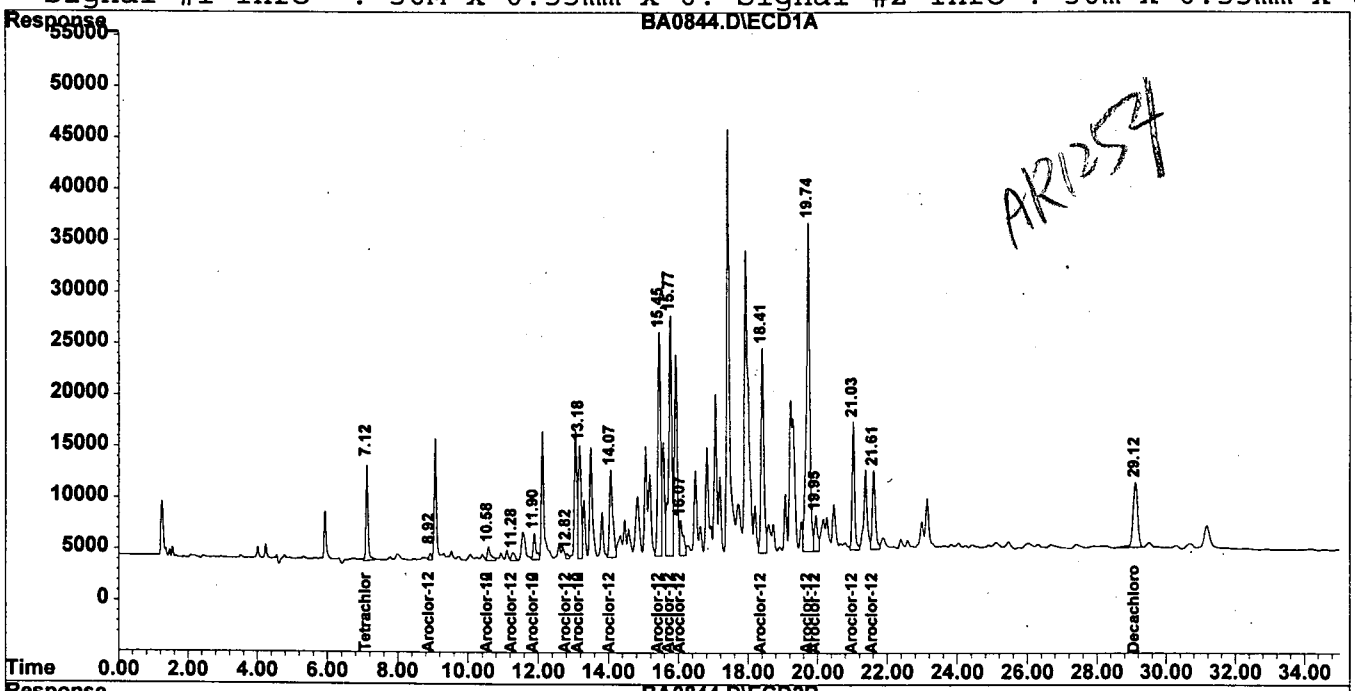
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

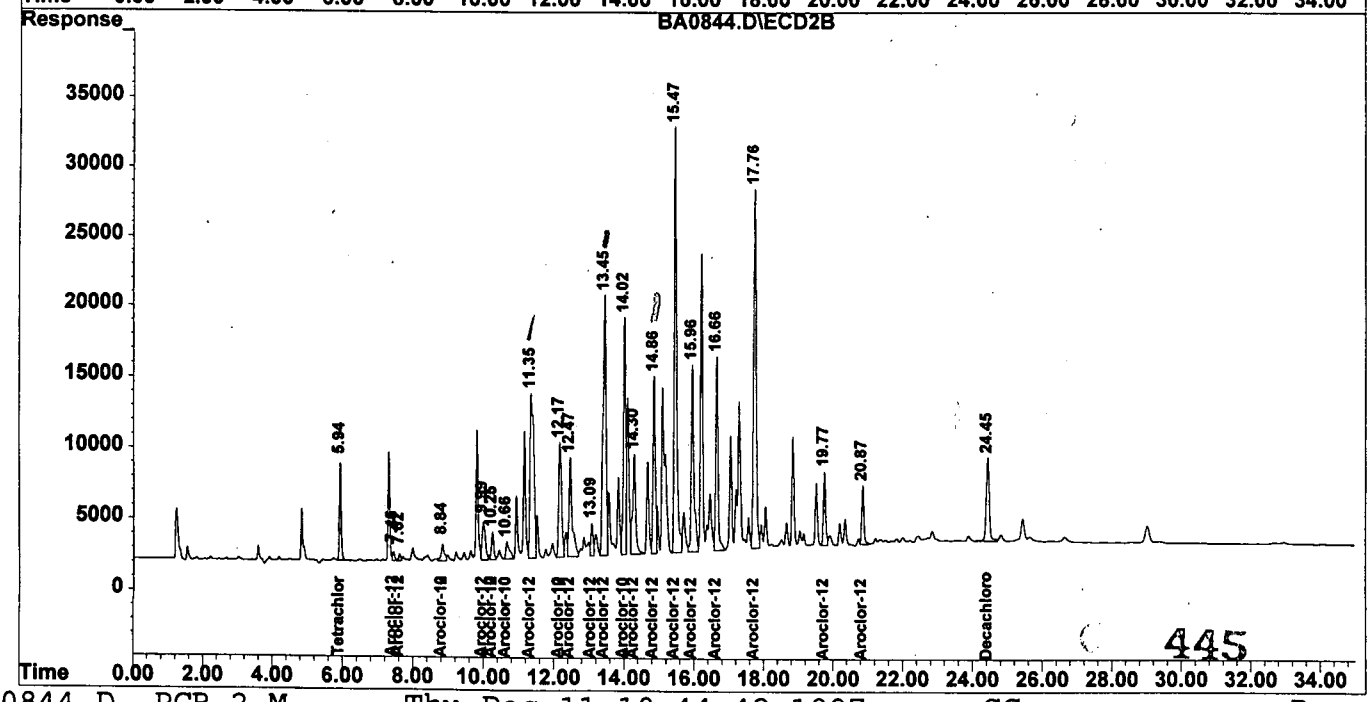
Signal #1 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0844.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:03 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



AR1254



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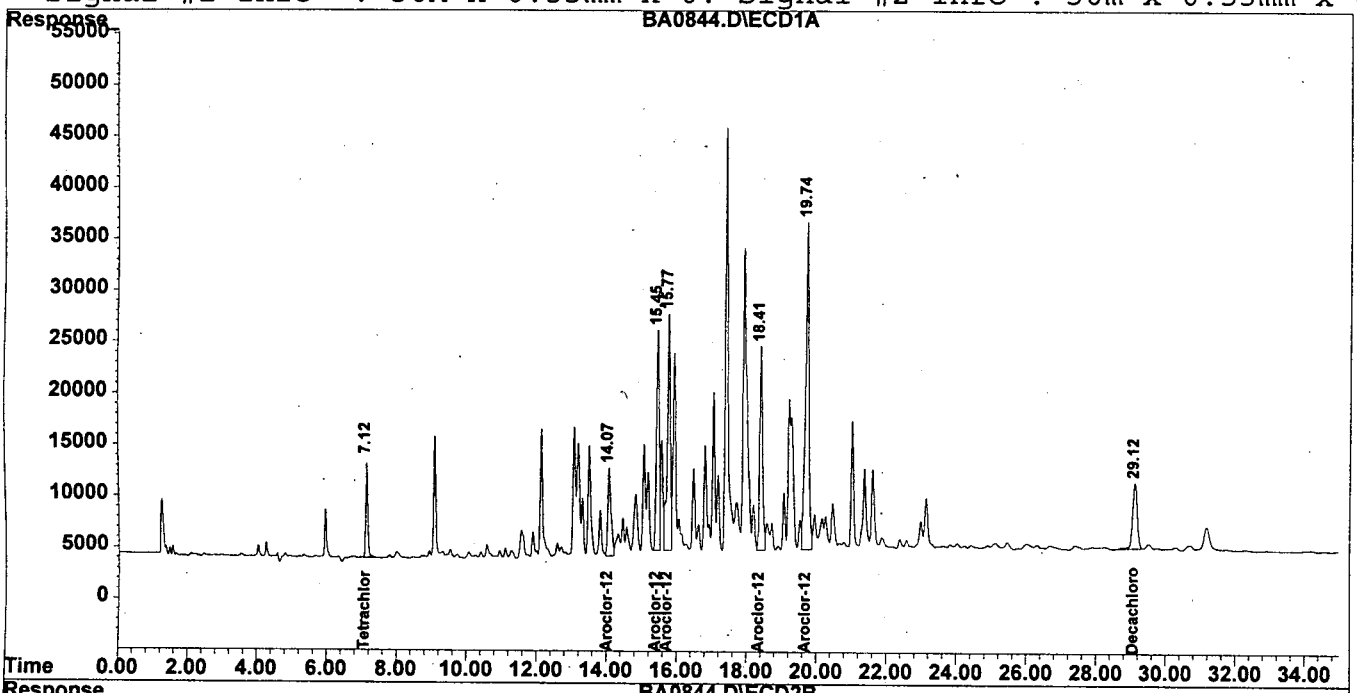
Quantitation Report

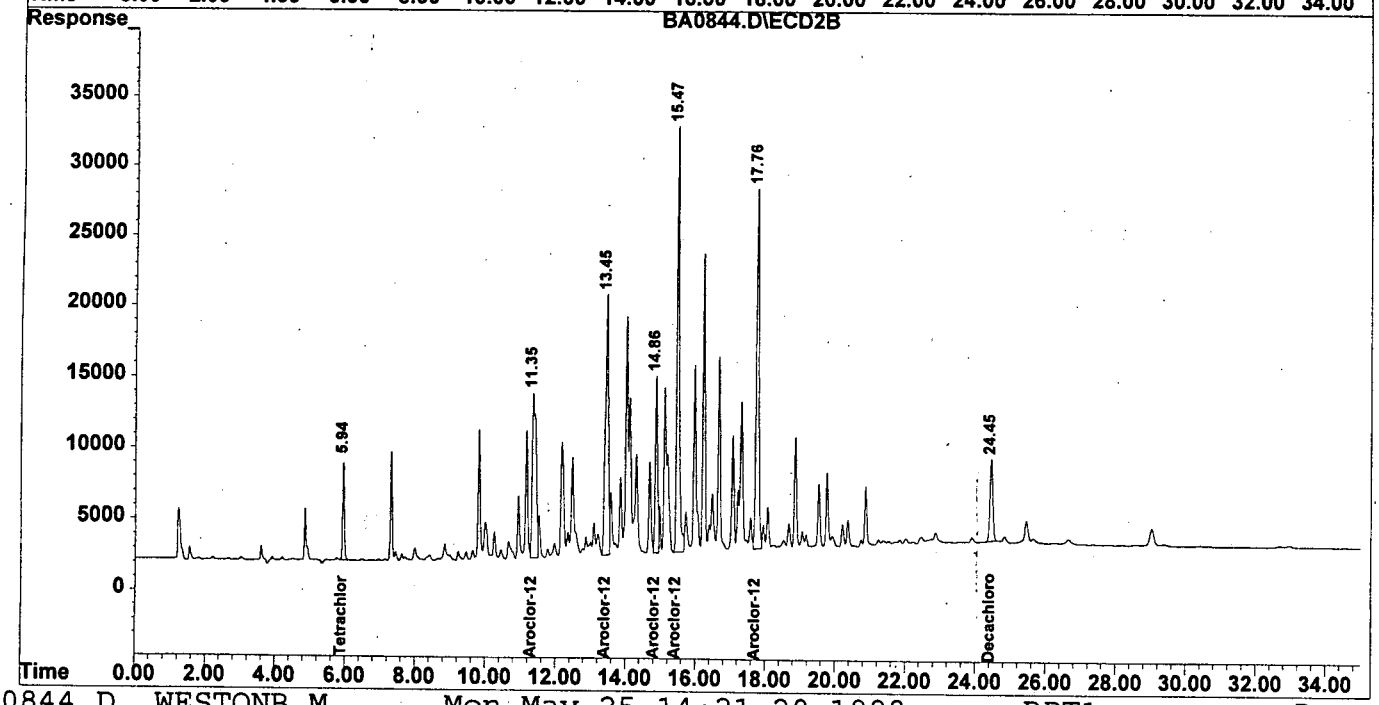
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0844.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0844.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:16 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





445A

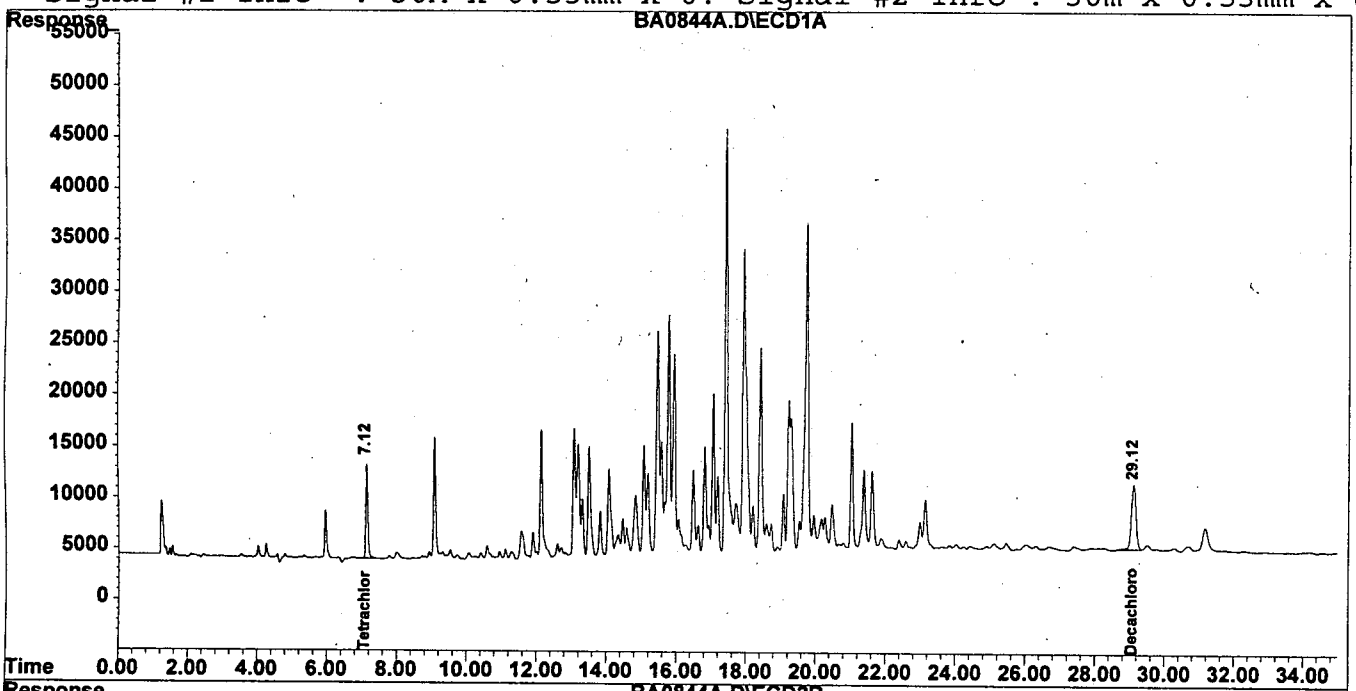
Quantitation Report

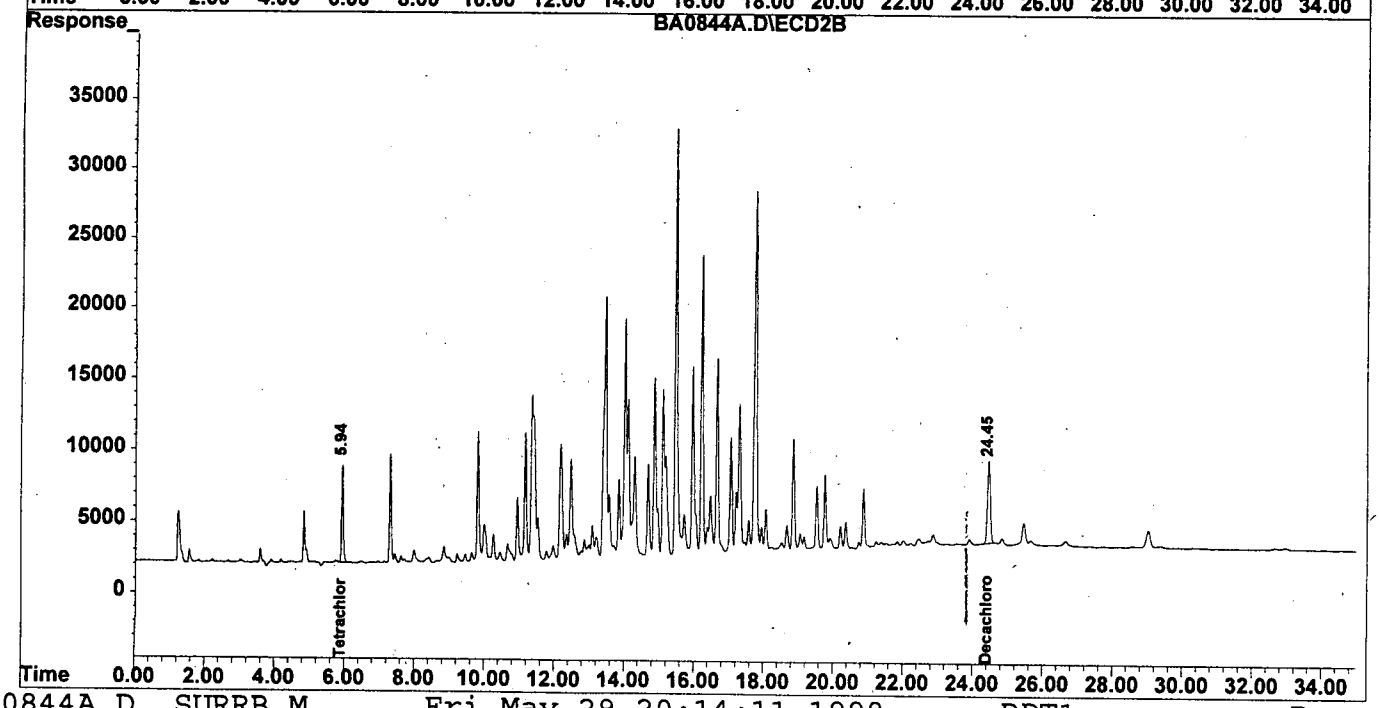
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0844A.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0844A.D\ECD2B.CH
Acq On : 10 Dec 97 23:04 Operator:
Sample : 278191 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 2 8 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278192
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	29.76%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	47	24
Aroclor-1221	U	U	95	66
Aroclor-1232	U	U	47	38
Aroclor-1242	U	U	47	24
Aroclor-1248	U	U	47	28
Aroclor-1254	~~1600~~ 1700	U	47	33
Aroclor-1260	U	U	47	38

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	340251	217296	37.559	33.549
Spiked Amount 40.000 Range 43 - 150 Recovery =					93.90%	83.87%
2) SA Decachlorobiphen	29.12	24.45	559094	313753	37.152	35.182
Spiked Amount 40.000 Range 24 - 154 Recovery =					92.88%	87.96%
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	8.84	0	150768	N.D.	518.073 #
4) L1 Aroclor-1016{2}	10.58	10.25	159520	197972	338.339	349.721
5) L1 Aroclor-1016{3}	11.90	10.72	335385	128444	407.745	479.373
6) L1 Aroclor-1016{4}	12.39	12.17	14545	710429	51.953	2769.279 #
7) L1 Aroclor-1016{5}	13.19	14.02	1571541	761223	4812.856	5161.536
Sum Aroclor-1016			2080992	1948836	5610.893	9277.982
Average Aroclor-1016					1402.723	1855.596
					NP	NP
9) L2 Aroclor-1221{2}	0.00	7.45	0	12049	N.D.	170.873 #
10) L2 Aroclor-1221{3}	0.00	7.62	0	7554	N.D.	30.971 #
Sum Aroclor-1221			0	19604	N.D.	201.843
Average Aroclor-1221					0.000	100.922
						NP
11) L3 Aroclor-1232{1}	0.00	8.84	0	150768	N.D.	1041.797 #
12) L3 Aroclor-1232{2}	0.00	9.99	0	508243	N.D.	12166.050 #
13) L3 Aroclor-1232{3}	10.58	11.35	159520	624599	734.959	7498.100 #
14) L3 Aroclor-1232{4}	11.90	13.09	335385	88276	955.422	1560.337 #
Sum Aroclor-1232			494905	1371886	1690.380	22266.283
Average Aroclor-1232					845.190	5566.571
					NP	NP
15) L4 Aroclor-1242{1}	0.00	8.84	0	150768	N.D.	603.348 #
16) L4 Aroclor-1242{2}	10.58	9.99	159520	508243	435.037	6621.797 #
17) L4 Aroclor-1242{3}	11.28	11.01	114343	25391	1031.372	157.408 #
18) L4 Aroclor-1242{4}	12.82	12.17	66753	710429	387.523	3069.988 #
19) L4 Aroclor-1242{5}	14.07	14.30	914450	556413	2516.442	6225.591 #
Sum Aroclor-1242			1255066	1951244	4370.374	16678.132
Average Aroclor-1242					1092.594	3335.626
					NP	NP
20) L5 Aroclor-1248{1}	10.58	10.25	159520	197972	822.288	475.313 #

447

MS 12/11/97 NP NP

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
21)	L5 Aroclor-1248{2}	11.90	12.17	335385	710429	599.465	2096.400	#
22)	L5 Aroclor-1248{3}	13.19	12.47	1571541	385394	3802.255	1217.518	#
23)	L5 Aroclor-1248{4}	14.07	13.46	914450	1343332	1842.399	4992.334	#
24)	L5 Aroclor-1248{5}	16.08	15.47	118480	1767140	314.259	14030.247	#
	Sum Aroclor-1248			3099376	4404268	7380.666	22811.813	
	Average Aroclor-1248					1476.133	4562.363	
						NO	NO	
25)	L6 Aroclor-1254{1}	14.07	11.35	668690	624599	4926.481m	2833.067	#
26)	L6 Aroclor-1254{2}	15.45	13.46	1685932	1343332	4572.884	3207.770	#
27)	L6 Aroclor-1254{3}	15.77	14.87	1247807	705415	2707.654	4718.843	#
28)	L6 Aroclor-1254{4}	18.41	15.47	1287007	1767140	3175.502	3636.617	
29)	L6 Aroclor-1254{5}	19.74	17.76	2480286	1713961	2874.013	3771.608	#
	Sum Aroclor-1254			7369722	6154447	18256.535	18167.905	
	Average Aroclor-1254					3651.307	3633.581	
30)	L7 Aroclor-1260{1}	0.00	15.96	0	777275	N.D.	2280.562	#
31)	L7 Aroclor-1260{2}	18.41	16.66	1287007	684077	2090.833	1682.658	
32)	L7 Aroclor-1260{3}	19.96	17.76	180878	1713961	396.414	3323.296	#
33)	L7 Aroclor-1260{4}	21.03	19.77	658369	286180	1412.984	457.047	#
34)	L7 Aroclor-1260{5}	21.62	20.87	559945	230755	434.361	488.534	
	Sum Aroclor-1260			2686199	3692249	4334.592	8232.096	
	Average Aroclor-1260					1083.648	1646.419	
						NO	NO	

448

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0845.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0845.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:16 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	322512	216325	17.211	16.912
Spiked Amount 40.000 Range 43 - 150 Recovery =					43.03%	42.28%#
2) SA Decachlorobiphen	29.12	24.45	559094	310784	25.352	33.457 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					63.38%	83.64%
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.35	622534	624824	4587.969m	2812.197 #
4) L6 Aroclor-1254{2}	15.45	13.46	1648998	1338979	4298.948	3194.830 #
5) L6 Aroclor-1254{3}	15.77	14.87	1222032	699378	2321.651	4664.672 #
6) L6 Aroclor-1254{4}	18.41	15.47	1271337	1757250	2965.010	3533.298
7) L6 Aroclor-1254{5}	19.74	17.76	2463602	1674441	2836.833	3494.464
Sum Aroclor-1254			7228503	6094872	17010.410	17699.461
Average Aroclor-1254					3402.082	3539.892

448A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0845A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0845A.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	322512	216325	34.669	35.799
Spiked Amount 40.000 Range 43 - 150 Recovery =					86.67%	89.50%
2) SA Decachlorobiphen	29.12	24.45	559094	310784	37.021	37.410
Spiked Amount 40.000 Range 24 - 154 Recovery =					92.55%	93.52%

Target Compounds

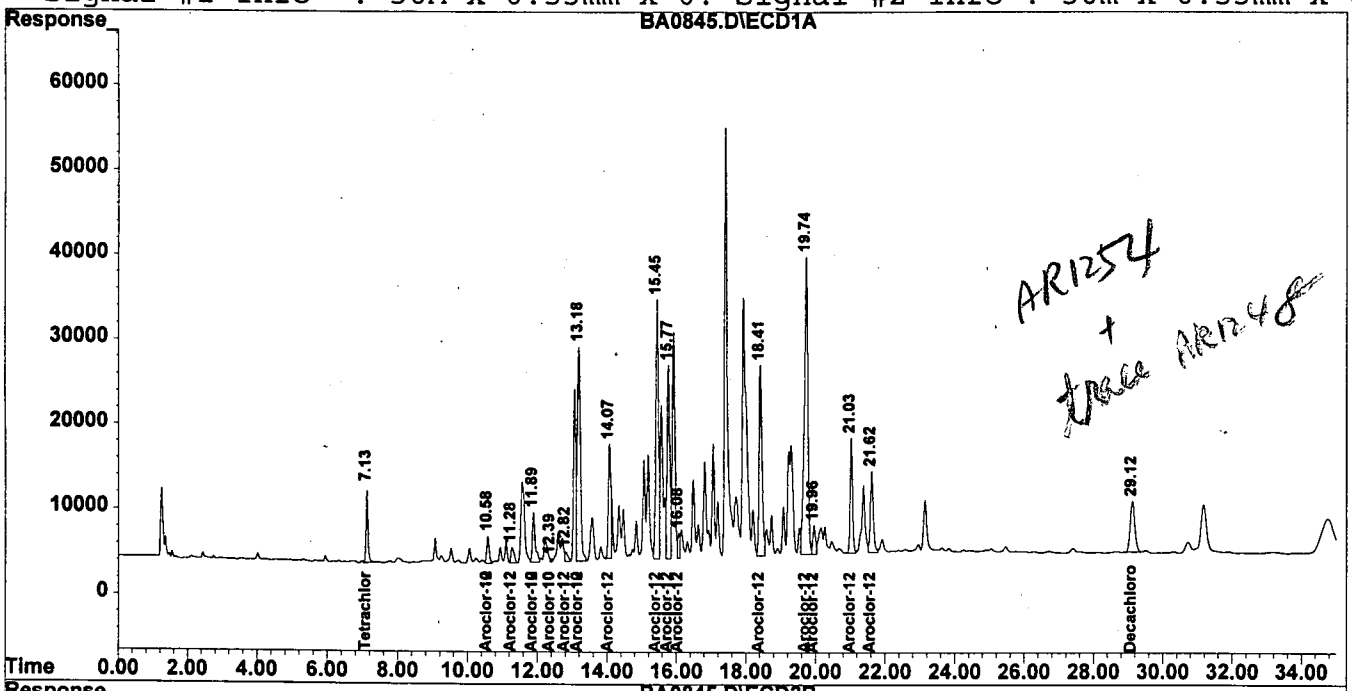
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

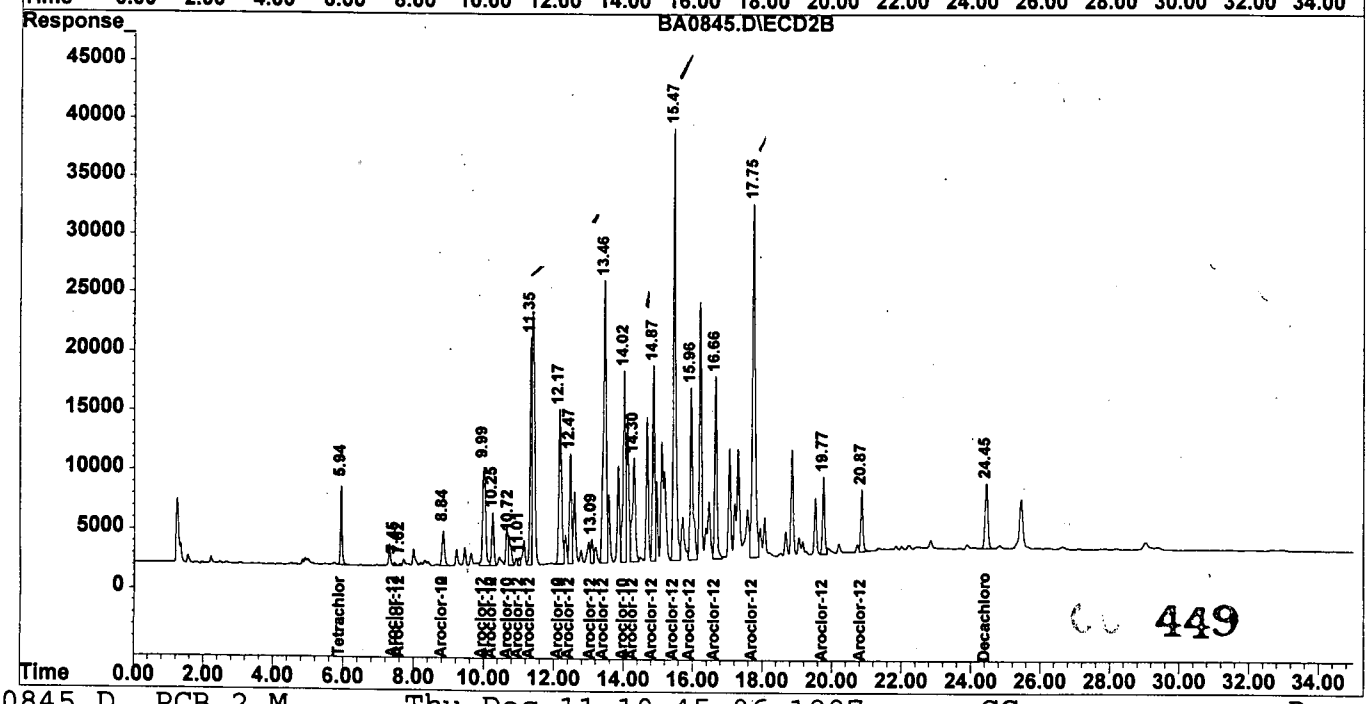
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_B\BA0845.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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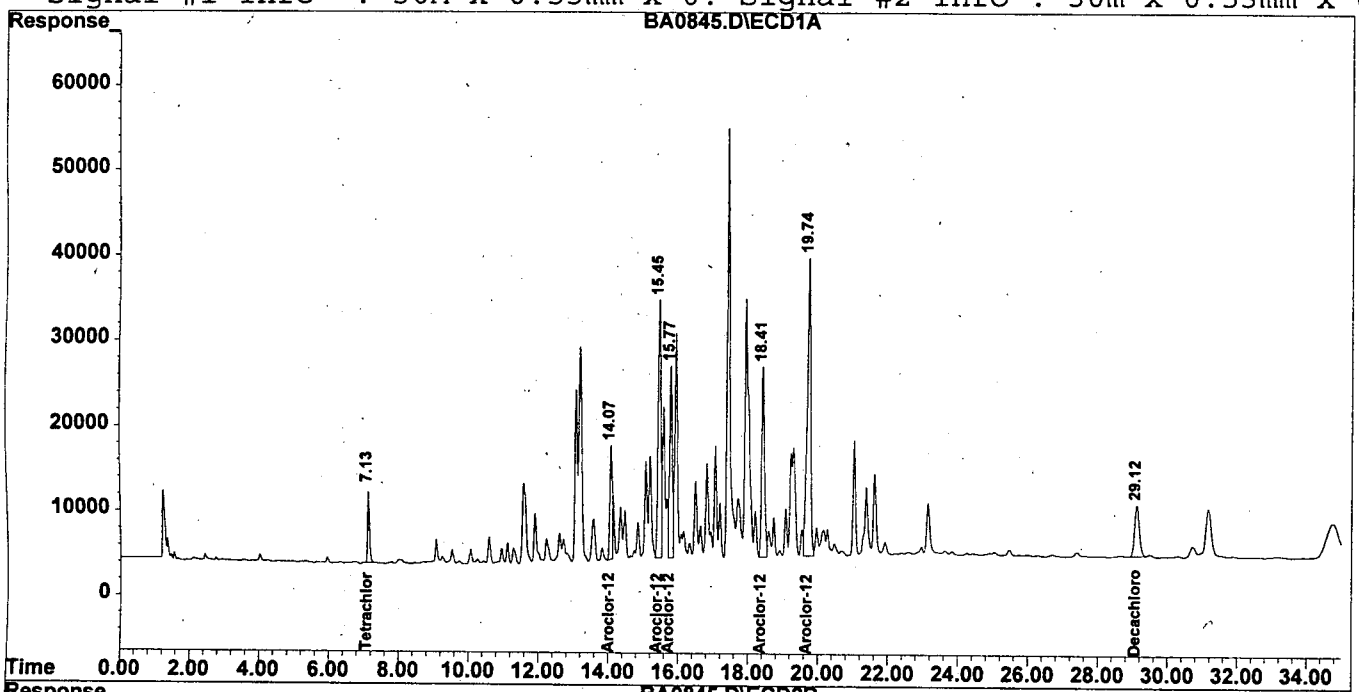
Quantitation Report

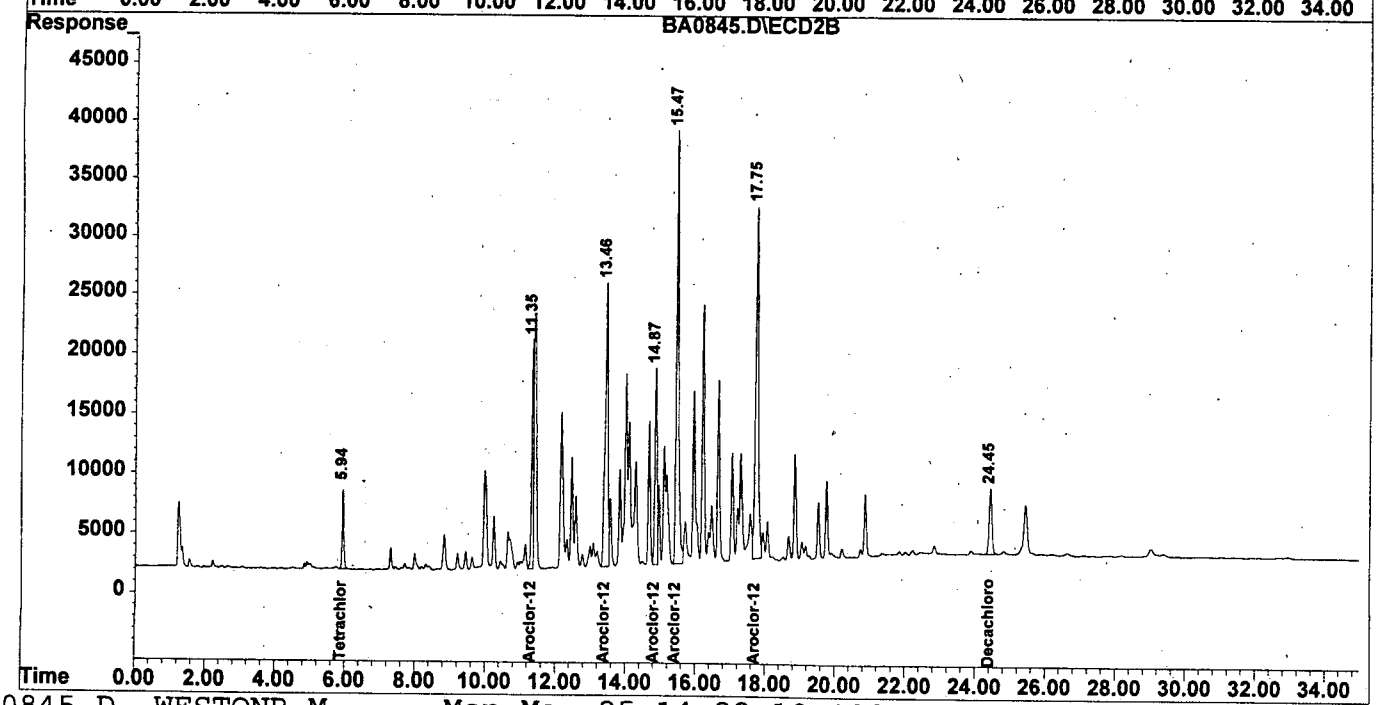
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0845.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0845.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:16 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





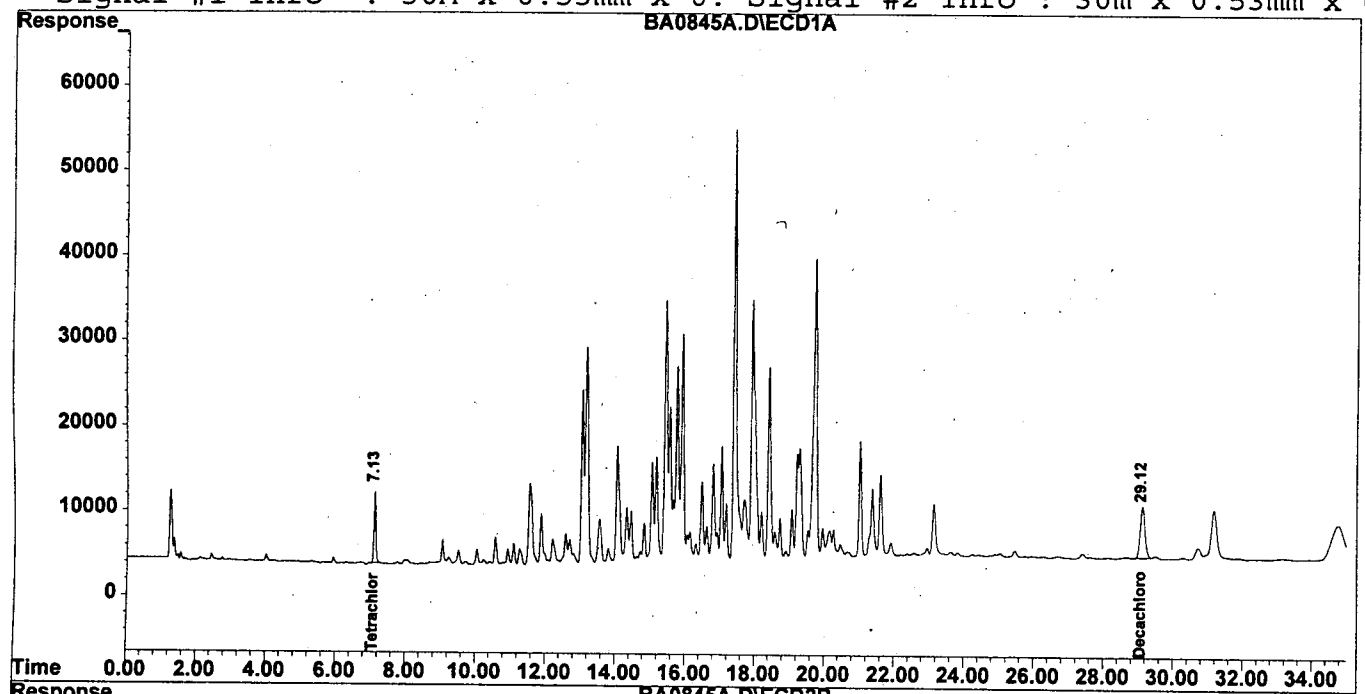
449A

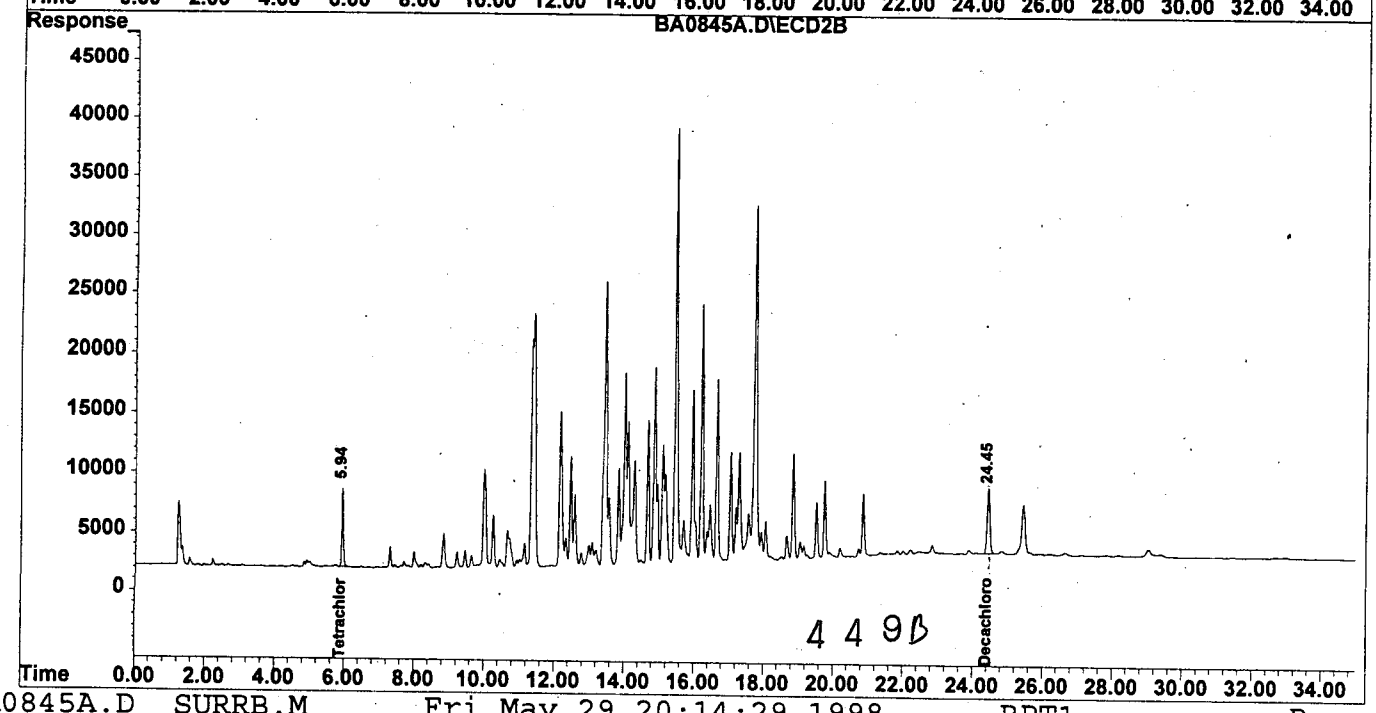
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0845A.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0845A.D\ECD2B.CH
Acq On : 10 Dec 97 23:43 Operator:
Sample : 278192 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:04 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





449B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
MAY 26, 1998

AMENDED REPORT MAY 28 1998

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278193
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: GGGGSED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	200ml
Dilution Factor:	20	Sample Moisture:	25.28%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	890	450
Aroclor-1221	U	U	1800	1200
Aroclor-1232	U	U	890	710
Aroclor-1242	U	U	890	450
Aroclor-1248	U	U	890	540
Aroclor-1254	~~9500~~ 9800	U	890	620
Aroclor-1260	U	U	890	710

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.24	5.97	16874	12054	1.863m	1.861
Spiked Amount 40.000 Range 43 - 150 Recovery =					4.66%#	4.65%#
2) SA Decachlorobiphen	29.18	24.48	28837	19379	1.916m	2.173
Spiked Amount 40.000 Range 24 - 154 Recovery =					4.79%#	5.43%#
Target Compounds						
4) L1 Aroclor-1016{2}	0.00	10.27	0	13872	N.D.	24.506 #
6) L1 Aroclor-1016{4}	0.00	12.19	0	167350	N.D.	652.338 #
7) L1 Aroclor-1016{5}	13.27	14.04	318351	344502	974.953	2335.924 #
Sum Aroclor-1016			318351	525725	974.953	3012.768
Average Aroclor-1016					974.953	1004.256
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{2}	0.00	10.02	0	79332	N.D.	1898.998 #
13) L3 Aroclor-1232{3}	0.00	11.38	0	223080	N.D.	2677.999 #
14) L3 Aroclor-1232{4}	0.00	13.11	0	28671	N.D.	506.778 #
Sum Aroclor-1232			0	331082	N.D.	5083.775
Average Aroclor-1232					0.000	1694.592
16) L4 Aroclor-1242{2}	0.00	10.02	0	79332	N.D.	1033.596 #
18) L4 Aroclor-1242{4}	0.00	12.19	0	167350	N.D.	723.173 #
19) L4 Aroclor-1242{5}	14.15	0.00	207766	0	571.745	N.D. #
Sum Aroclor-1242			207766	246682	571.745	1756.769
Average Aroclor-1242					571.745	878.385
20) L5 Aroclor-1248{1}	0.00	10.27	0	13872	N.D.	33.306 #
21) L5 Aroclor-1248{2}	0.00	12.19	0	167350	N.D	493.833 #
22) L5 Aroclor-1248{3}	13.15	12.37	291925	7776	706.296	24.565 #
23) L5 Aroclor-1248{4}	0.00	13.48	0	431694	N.D.	1604.341 #
24) L5 Aroclor-1248{5}	16.01	0.00	323485	0	858.020	N.D. #
Sum Aroclor-1248			615410	620693	1564.316	2156.045
Average Aroclor-1248					782.158	539.011

451

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L6	Aroclor-1254{1}	14.15	11.38	207766	223080	1530.691	1011.849	#
26) L6	Aroclor-1254{2}	15.54	13.48	371816	431694	1008.507	1030.852	
27) L6	Aroclor-1254{3}	15.84	14.88	512060	163891	1111.134m	1096.345	
28) L6	Aroclor-1254{4}	18.47	15.49	459007	625379	1132.532	1286.973	
29) L6	Aroclor-1254{5}	19.79	17.78	840190	541692	973.563	1192.004	
Sum	Aroclor-1254			2390839	1985736	5756.428	5618.024	
Average	Aroclor-1254					1151.286	1123.605	
30) L7	Aroclor-1260{1}	17.99	15.98	535814	332587	1029.536	975.825	
31) L7	Aroclor-1260{2}	18.47	16.69	459007	310765	745.689	764.403	
32) L7	Aroclor-1260{3}	20.01	17.78	64301	541692	140.922	1050.317	#
33) L7	Aroclor-1260{4}	21.08	19.79	211138	114234	453.142	182.438	#
34) L7	Aroclor-1260{5}	21.66	20.89	166177	77056	128.907	163.136	#
Sum	Aroclor-1260			1436436	1376332	2498.196	3136.118	
Average	Aroclor-1260					499.639	627.224	

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12/11/97

452

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0853.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0853.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:21 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.24f	5.97	16676	12277	0.890m	0.960m
Spiked Amount 40.000 Range 43 - 150 Recovery =					2.23%#	2.40%#
2) SA Decachlorobiphen	29.18	24.48	27455	19329	1.245m	2.081m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					3.11%#	5.20%#
Target Compounds						
3) L6 Aroclor-1254{1}	14.15	11.38	195940	221110	1444.044m	995.169 #
4) L6 Aroclor-1254{2}	15.53	13.48	365734	431223	953.471m	1028.905
5) L6 Aroclor-1254{3}	15.84	14.88	501538	163090	952.836m	1087.770
6) L6 Aroclor-1254{4}	18.47	15.49	429041	623244	1000.608	1253.154 #
7) L6 Aroclor-1254{5}	19.79	17.78	840190	534139	967.477	1114.719
Sum Aroclor-1254			2332442	1972806	5318.435	5479.718
Average Aroclor-1254					1063.687	1095.944

4 5 2A

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0853A.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0853A.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:11 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.24	5.97f	15703	12324	1.688m	2.040m
Spiked Amount 40.000 Range 43 - 150 Recovery =					4.22%#	5.10%#
2) SA Decachlorobiphen	29.18f	24.48f	27934	19228	1.850m	2.314m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					4.63%#	5.79%#
Target Compounds						

452B

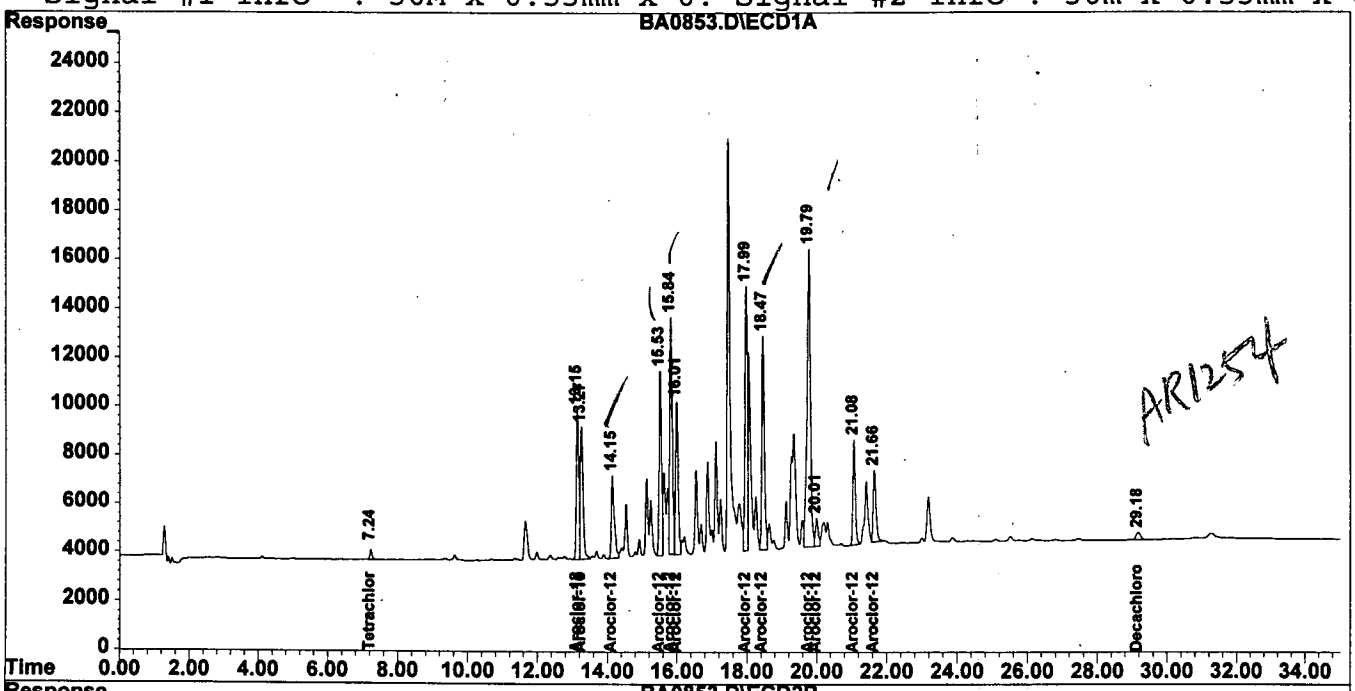
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_B\BA0853.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 12:28 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



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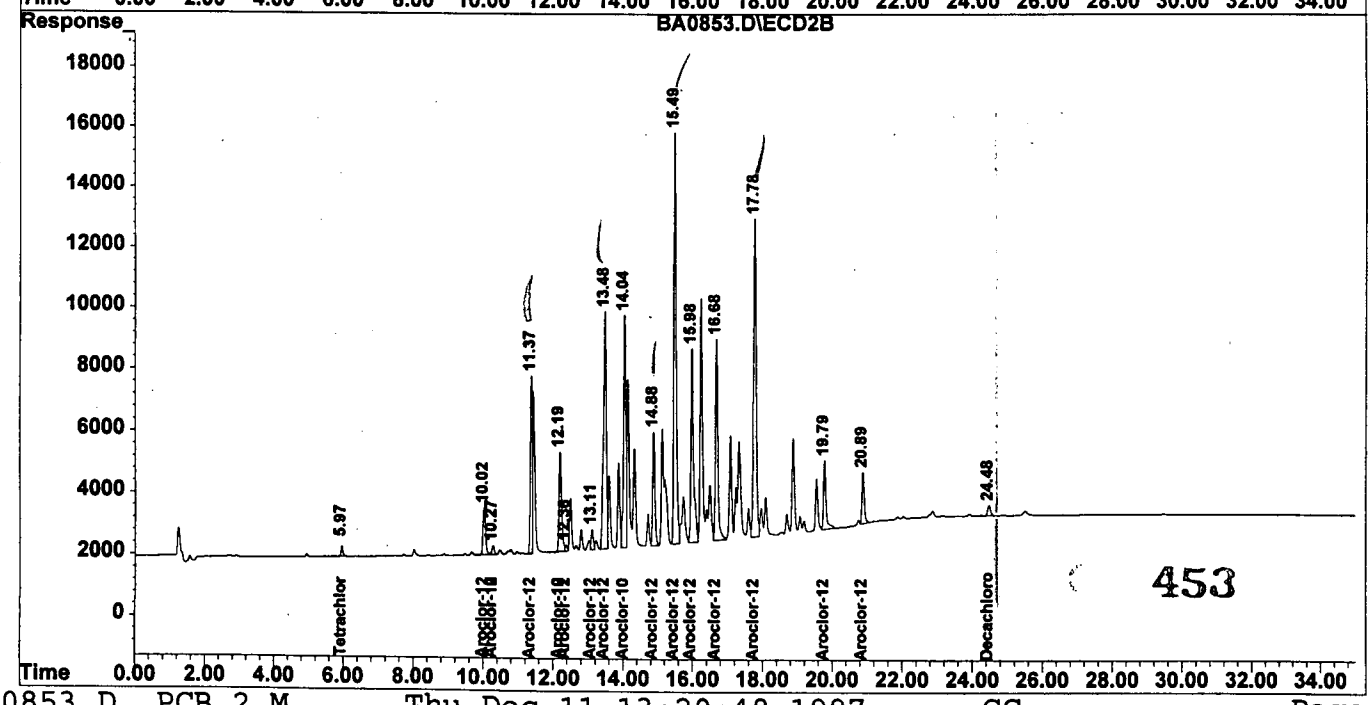

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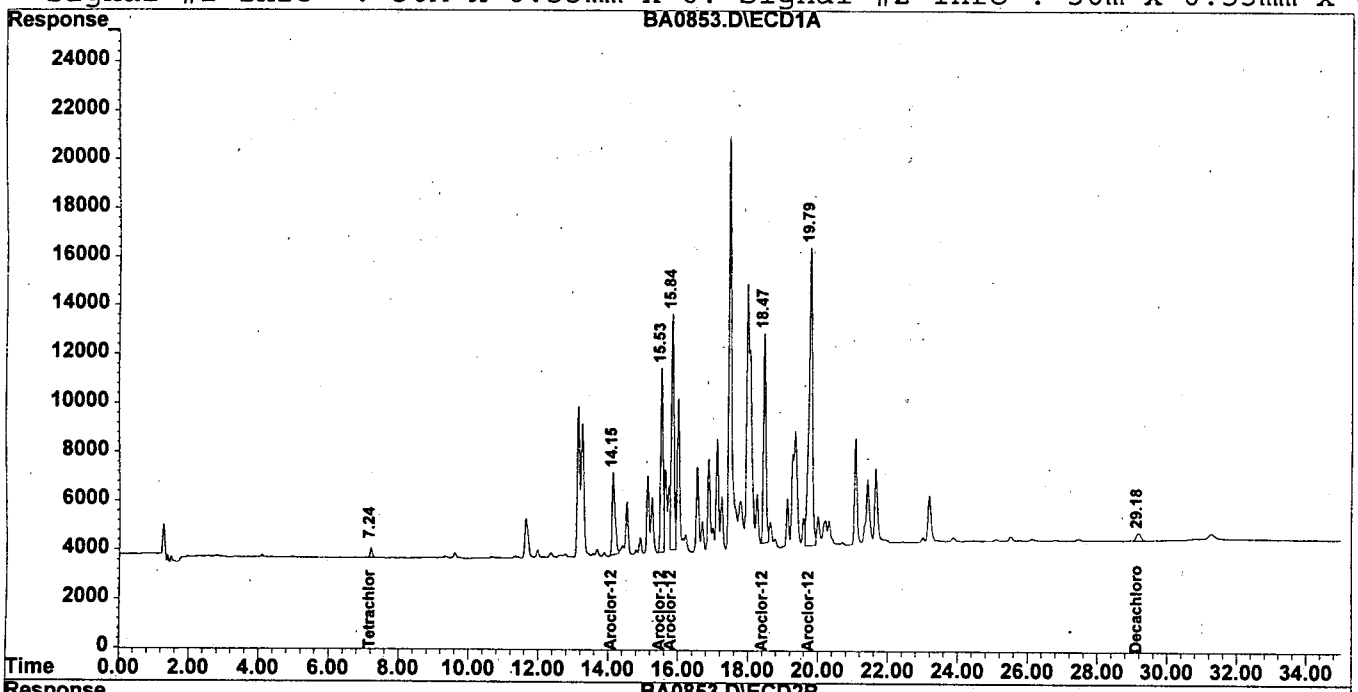
Quantitation Report

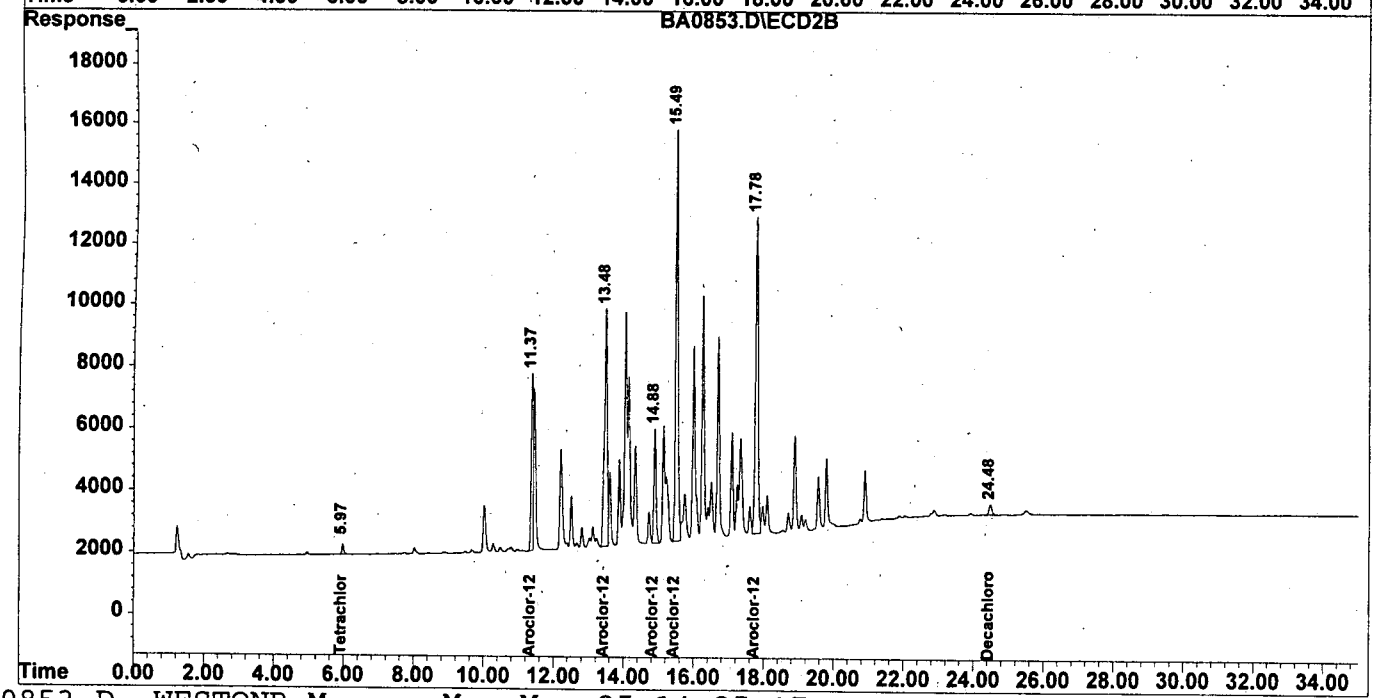
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0853.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0853.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:21 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





453A

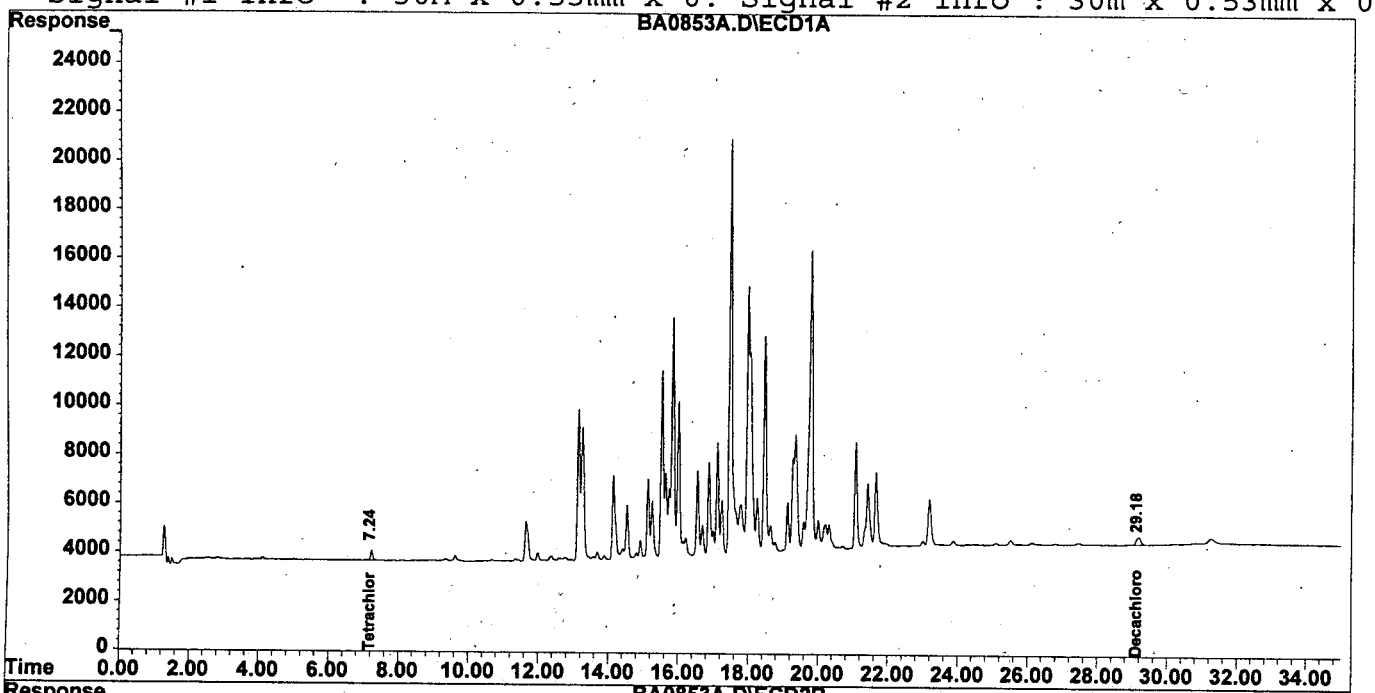
Quantitation Report

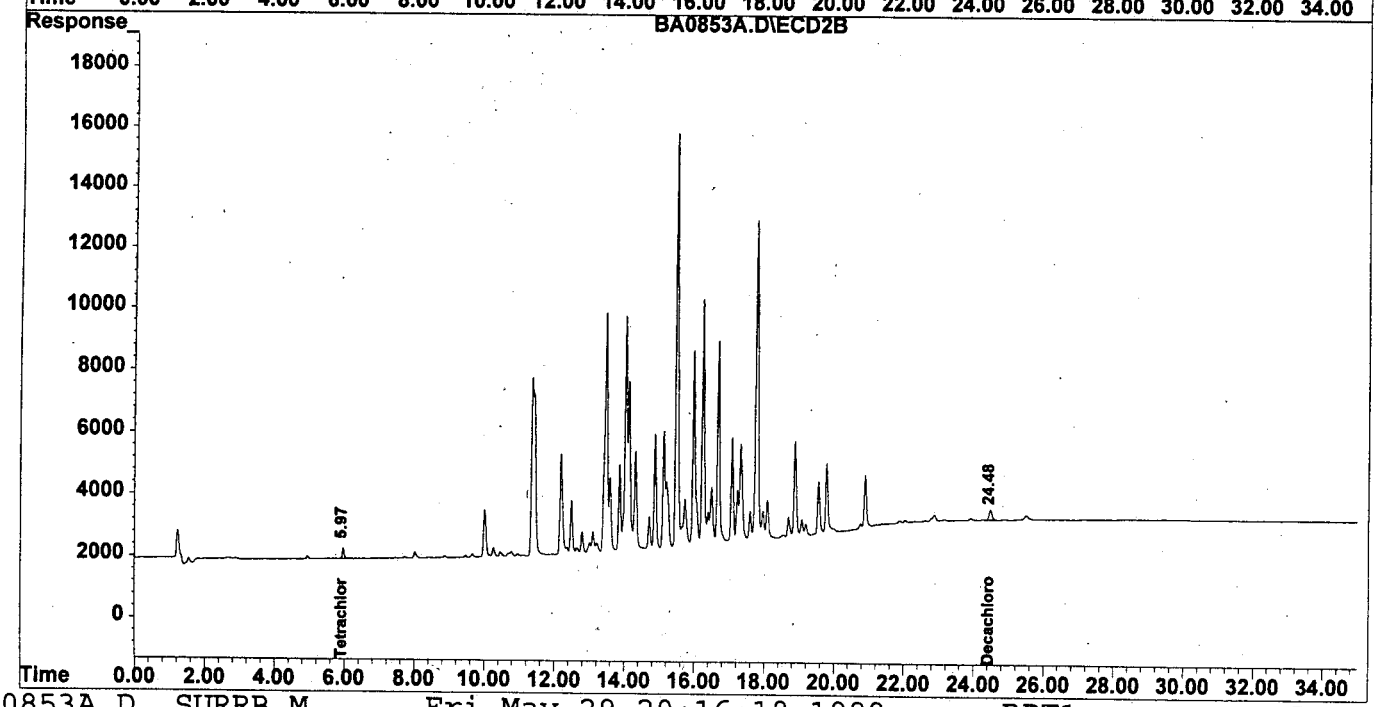
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0853A.D\ECD1A.CH Vial: 2
Signal #2 : E:\WESTDA~1\BA0853A.D\ECD2B.CH
Acq On : 11 Dec 97 11:47 Operator:
Sample : 278193 1:20 Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:11 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278194
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	34.43%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	51	25
Aroclor-1221	U	U	100	71
Aroclor-1232	U	U	51	41
Aroclor-1242	U	U	51	25
Aroclor-1248	U	U	51	30
Aroclor-1254	1700	U	51	36
Aroclor-1260	U	U	51	41

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD2B.CH
Acq On : 12 Dec 97 2:06 Operator:
Sample : 278194 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	579823	796789	42.145	40.063	
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.36%	100.16%	
2) SA Decachlorobiphen	25.89	21.44	989313	857125	41.231	39.445	
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.08%	98.61%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	6.52	96950	26712	291.316	58.216	#
4) L1 Aroclor-1016{2}	9.35	7.58	303499	521214	447.653	598.497	#
5) L1 Aroclor-1016{3}	10.55	8.85	594515	715665	465.551	385.632	
6) L1 Aroclor-1016{4}	11.00	9.25	30000	402384	67.841	477.080	#
7) L1 Aroclor-1016{5}	12.54	10.56	1354019	1804843	2074.129	2142.399	
Sum Aroclor-1016			2378983	3470818	3346.490	3661.825	
Average Aroclor-1016					669.298	732.365	
8) L2 Aroclor-1221{1}	5.20	0.00	14205	0	109.549	N.D.	#
9) L2 Aroclor-1221{2}	7.43	6.37	11783	29701	124.173	171.538	#
10) L2 Aroclor-1221{3}	7.85	6.52	47661	26712	346.084	41.707	#
11) L2 Aroclor-1221{4}	7.99	8.85	96950	715665	237.686	5210.602	#
Sum Aroclor-1221			170598	772078	817.492	5423.847	
Average Aroclor-1221					204.373	1807.949	
12) L3 Aroclor-1232{1}	7.99	6.52	96950	26712	334.548	64.633	#
13) L3 Aroclor-1232{2}	9.35	7.58	303499	521214	977.295	1419.947	#
14) L3 Aroclor-1232{3}	10.55	8.85	594515	715665	1169.001	951.175	
15) L3 Aroclor-1232{4}	12.54	9.25	1354019	402384	4293.017	1192.740	#
16) L3 Aroclor-1232{5}	13.46	10.56	937669	1804843	4133.612	4734.484	
Sum Aroclor-1232			3286652	3470818	10907.474	8362.980	
Average Aroclor-1232					2181.495	1672.596	
17) L4 Aroclor-1242{1}	7.99	6.52	96950	26712	371.998	73.247	#
18) L4 Aroclor-1242{2}	9.35	7.58	303499	521214	564.548	803.240	#
19) L4 Aroclor-1242{3}	10.55	8.85	594515	715665	611.625	513.101	
20) L4 Aroclor-1242{4}	11.00	9.25	30000	402384	90.429	657.589	#
21) L4 Aroclor-1242{5}	12.54	10.56	1354019	1804843	2429.739	2728.571	
Sum Aroclor-1242			2378983	3470818	4068.339	4775.748	
Average Aroclor-1242					813.668	955.150	

455

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD2B.CH
Acq On : 12 Dec 97 2:06 Operator:
Sample : 278194 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.35	7.58	303499	521214	1055.607	1464.213	#
23)	L5 Aroclor-1248{2}	10.55	8.85	594515	715665	708.718	590.230	
24)	L5 Aroclor-1248{3}	12.54	10.56	1354019	1804843	1780.340	1920.834	
25)	L5 Aroclor-1248{4}	13.46	10.83	937669	993423	1320.128	1145.339	
26)	L5 Aroclor-1248{5}	15.62	13.53	5238090	5678285	15779.216	16043.832	
	Sum Aroclor-1248			8427792	9713429	20644.008	21164.448	
	Average Aroclor-1248					4128.802	4232.890	
27)	L6 Aroclor-1254{1}	11.62	9.82	1312591	1499386	3508.430	2432.549	#
28)	L6 Aroclor-1254{2}	13.81	11.71	2879577	4007182	4852.614	3244.205	#
29)	L6 Aroclor-1254{3}	15.62	12.23	5238090	2529762	4031.358	2559.911	#
30)	L6 Aroclor-1254{4}	16.54	13.53	2574977	5678285	4122.999	4055.309	
31)	L6 Aroclor-1254{5}	17.76	15.61	4766622	5887251	3929.972	4285.737	
	Sum Aroclor-1254			16771858	19601866	20445.374	16577.712	
	Average Aroclor-1254					4089.075	3315.542	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	2739663	N.D.	2497.131	#
33)	L7 Aroclor-1260{2}	16.54	14.62	2574977	2923519	2184.223	2008.035	
34)	L7 Aroclor-1260{3}	18.96	15.61	1256166	5887251	1514.111	3102.109	#
35)	L7 Aroclor-1260{4}	19.49	17.44	1071697	1212474	559.162	543.756	
36)	L7 Aroclor-1260{5}	20.82	18.44	788900	876729	504.852	538.265	
	Sum Aroclor-1260			5691740	13639636	4762.348	8689.294	
	Average Aroclor-1260					1190.587	1737.859	

456

12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 20 1998

Signal #1 : E:\WESTDATA\EA1728.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1728.D\ECD2B.CH
Acq On : 12 Dec 97 2:06 Operator:
Sample : 278194 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	579823	811763	40.766	37.491
Spiked Amount 40.000 Range 43 - 150 Recovery =					101.92%	93.73%
2) SA Decachlorobiphen	25.89	21.44	961510	878113	40.881	38.490
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.20%	96.23%

Target Compounds

5/18/98

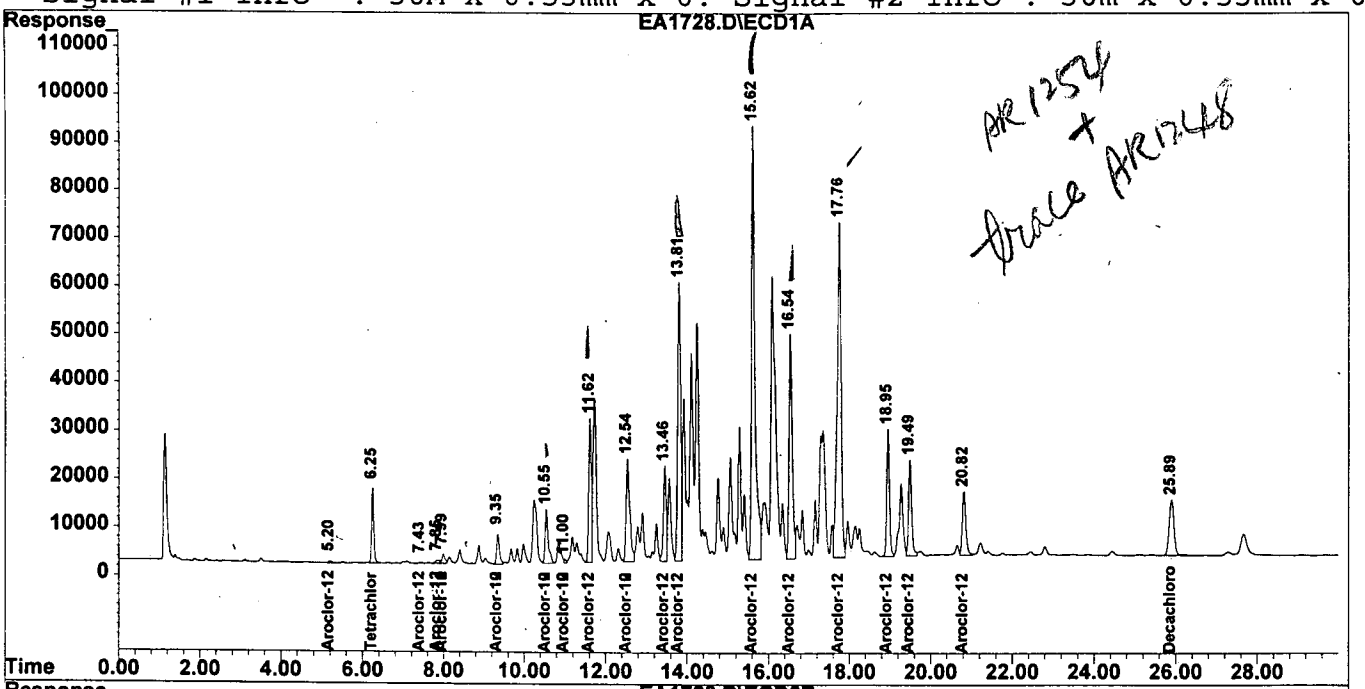
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

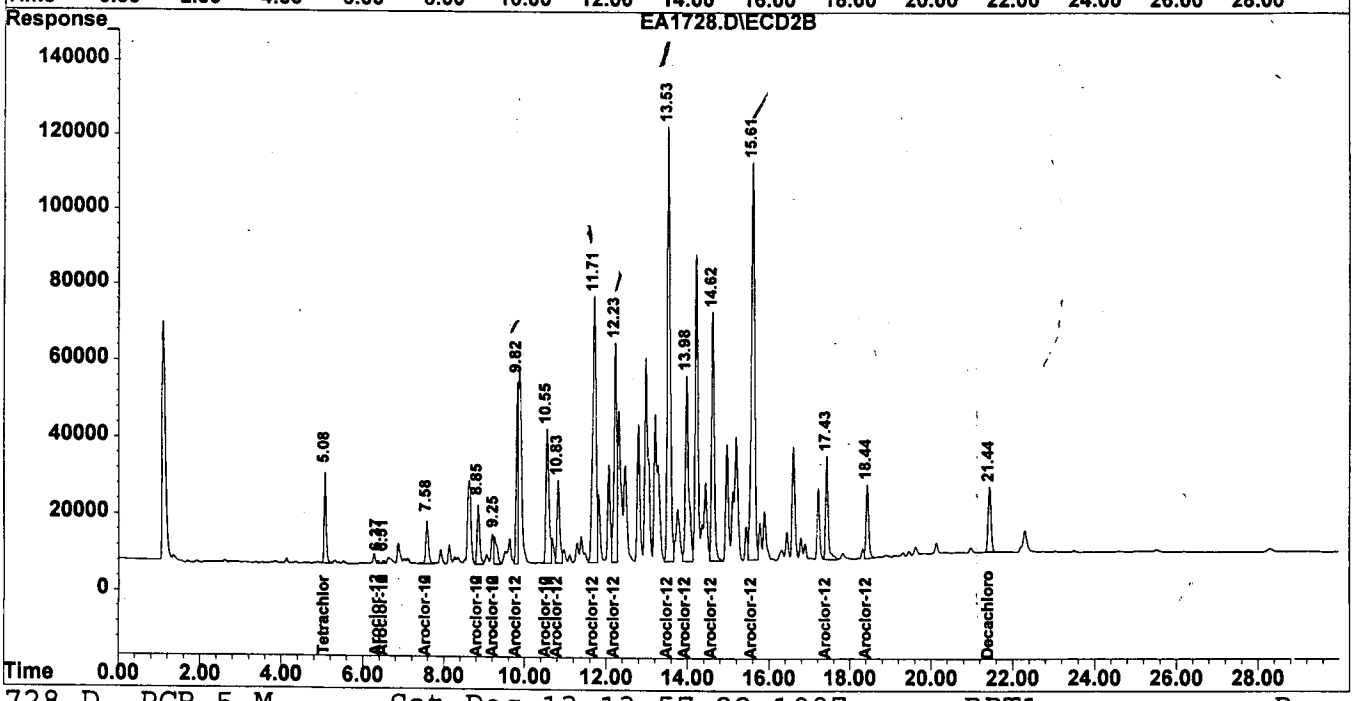
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_E\EA1728.D\ECD2B.CH
Acq On : 12 Dec 97 2:06 Operator:
Sample : 278194 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



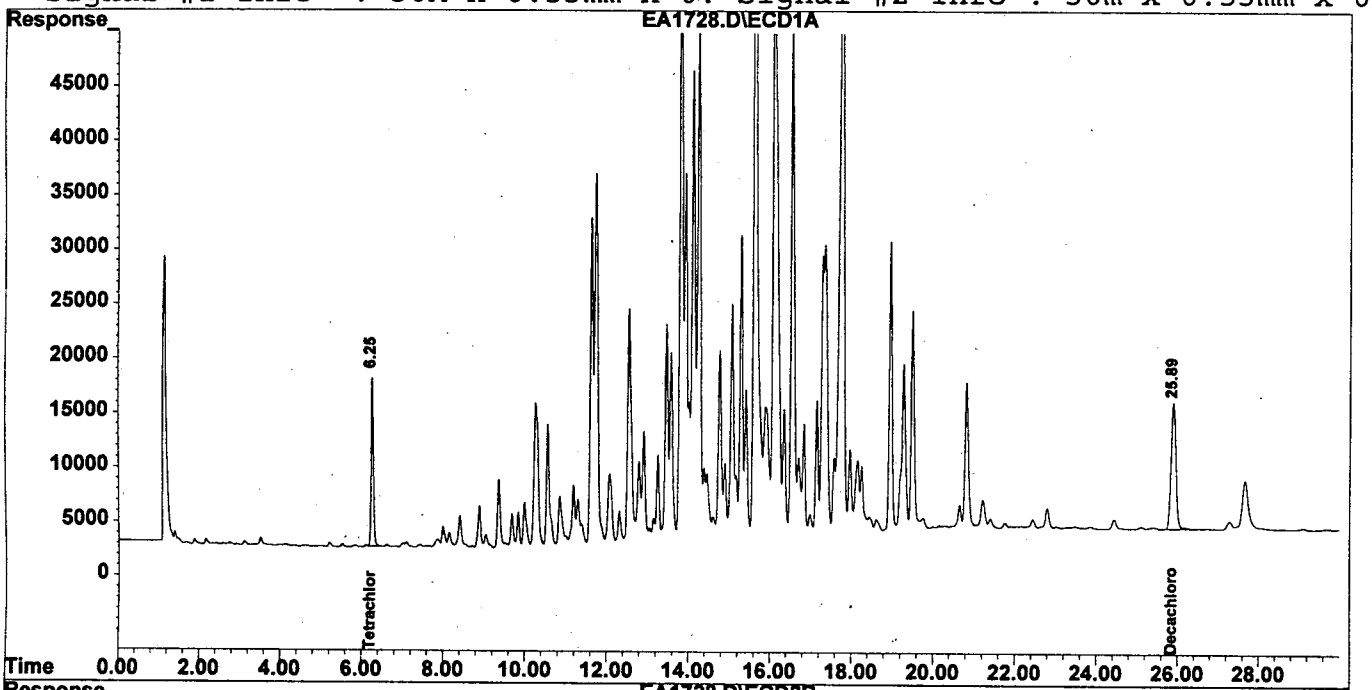


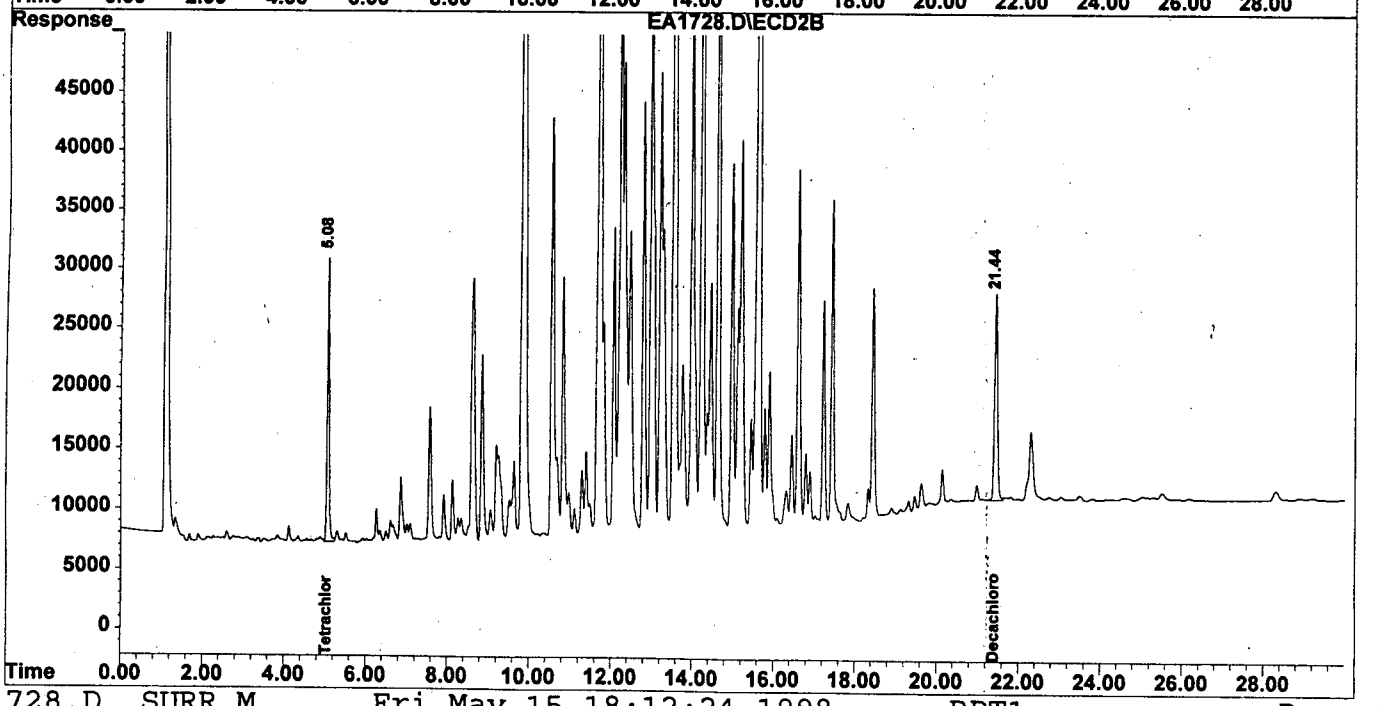
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1728.D\ECD1A.CH Vial: 24
Signal #2 : E:\WESTDATA\EA1728.D\ECD2B.CH
Acq On : 12 Dec 97 2:06 Operator:
Sample : 278194 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278195
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: HHHHSED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	25.93%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	220	110
Aroclor-1221	U	U	450	320
Aroclor-1232	U	U	220	180
Aroclor-1242	U	U	220	110
Aroclor-1248	U	U	220	140
Aroclor-1254	~~3600~~ 2900	U	220	160
Aroclor-1260	U	U	220	180

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD2B.CH
Acq On : 13 Dec 97 20:15 Operator:
Sample : 278195 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	129842	194454	9.438	9.777
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.60%#	24.44%#
2) SA Decachlorobiphen	25.89	21.44	213153	203961	9.161	9.386m
Spiked Amount 40.000 Range 24 - 154 Recovery =					22.90%#	23.47%#
Target Compounds						
4) L1 Aroclor-1016{2}	9.36	7.59	200903	271443	296.326	311.691
5) L1 Aroclor-1016{3}	10.56	8.85	155496	236267	121.766	127.311
6) L1 Aroclor-1016{4}	0.00	9.20	0	922813	N.D.	1094.118 #
7) L1 Aroclor-1016{5}	12.55	10.55	1032791	1542746	1582.062	1831.282
Sum Aroclor-1016			1389190	2973269	2000.154	3364.402
Average Aroclor-1016					666.718	841.101
9) L2 Aroclor-1221{2}	0.00	6.37	0	16168	N.D.	93.378 #
10) L2 Aroclor-1221{3}	7.85	0.00	8875	0	64.446	N.D. #
11) L2 Aroclor-1221{4}	0.00	8.85	0	236267	N.D.	1720.210 #
Sum Aroclor-1221			8875	252435	64.446	1813.588
Average Aroclor-1221					64.446	906.794
13) L3 Aroclor-1232{2}	9.36	7.59	200903	271443	646.925	739.494
14) L3 Aroclor-1232{3}	10.56	8.85	155496	236267	305.754	314.018
15) L3 Aroclor-1232{4}	12.55	9.20	1032791	922813	3274.542	2735.387
16) L3 Aroclor-1232{5}	13.47	10.55	349153	1542746	1539.202	4046.948 #
Sum Aroclor-1232			1738343	2973269	5766.423	7835.846
Average Aroclor-1232					1441.606	1958.962
18) L4 Aroclor-1242{2}	9.36	7.59	200903	271443	373.705	418.319
19) L4 Aroclor-1242{3}	10.56	8.85	155496	236267	159.971	169.393
20) L4 Aroclor-1242{4}	0.00	9.20	0	922813	N.D.	1508.092 #
21) L4 Aroclor-1242{5}	12.55	10.55	1032791	1542746	1853.308	2332.331 #
Sum Aroclor-1242			1389190	2973269	2386.985	4428.135
Average Aroclor-1242					795.662	1107.034
22) L5 Aroclor-1248{1}	9.36	7.59	200903	271443	698.764	762.547
23) L5 Aroclor-1248{2}	10.56	8.85	155496	236267	185.366	194.856

12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1759.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\WESTDA~1\EA1759.D\ECD2B.CH
Acq On : 13 Dec 97 20:15 Operator:
Sample : 278195 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:50 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	129842	197566	9.129	9.124
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.82%#	22.81%#
2) SA Decachlorobiphen	25.89	21.44	221415	238639	9.414	10.460m
Spiked Amount 40.000 Range 24 - 154 Recovery =					23.54%#	26.15%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

~~4 6 0A~~

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD2B.CH
Acq On : 13 Dec 97 20:15 Operator:
Sample : 278195 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
24)	L5 Aroclor-1248{3}	12.55	10.55	1032791	1542746	1357.972	1641.892	
25)	L5 Aroclor-1248{4}	13.47	10.83	349153	887116	491.566	1022.775	#
26)	L5 Aroclor-1248{5}	15.63	13.53	2170641	2580334	6538.835	7290.661	
	Sum Aroclor-1248			3908983	5517906	9272.503	10912.732	
	Average Aroclor-1248					1854.501	2182.546	
27)	L6 Aroclor-1254{1}	~~11.63~~	~~9.82~~	~~1274398~~	~~1629652~~	~~3406.344~~	~~2643.886~~	
28)	L6 Aroclor-1254{2}	13.83	11.71	778673	1618147	1312.207	1310.048	
29)	L6 Aroclor-1254{3}	15.63	12.23	2170641	831937	1670.576	841.852	#
30)	L6 Aroclor-1254{4}	16.55	13.53	606354	2580334	970.881	1842.819	#
31)	L6 Aroclor-1254{5}	17.77	15.61	1390760	1808030	1146.650	1316.190	
	Sum Aroclor-1254			6220826	8468100	8506.658	7954.796	
	Average Aroclor-1254					1701.332	~~1590.959~~	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	933939	N.D.	851.261	#
33)	L7 Aroclor-1260{2}	16.55	14.62	606354	826453	514.339	567.654	
34)	L7 Aroclor-1260{3}	18.96	15.61	321036	1808030	386.958	952.687	#
35)	L7 Aroclor-1260{4}	19.50	17.44	230236	270295	120.126	121.218	
36)	L7 Aroclor-1260{5}	20.82	18.44	171367	223614	109.666	137.287	#
	Sum Aroclor-1260			1328993	4062331	1131.090	2630.107	
	Average Aroclor-1260					282.772 NP	526.021 NP	

460

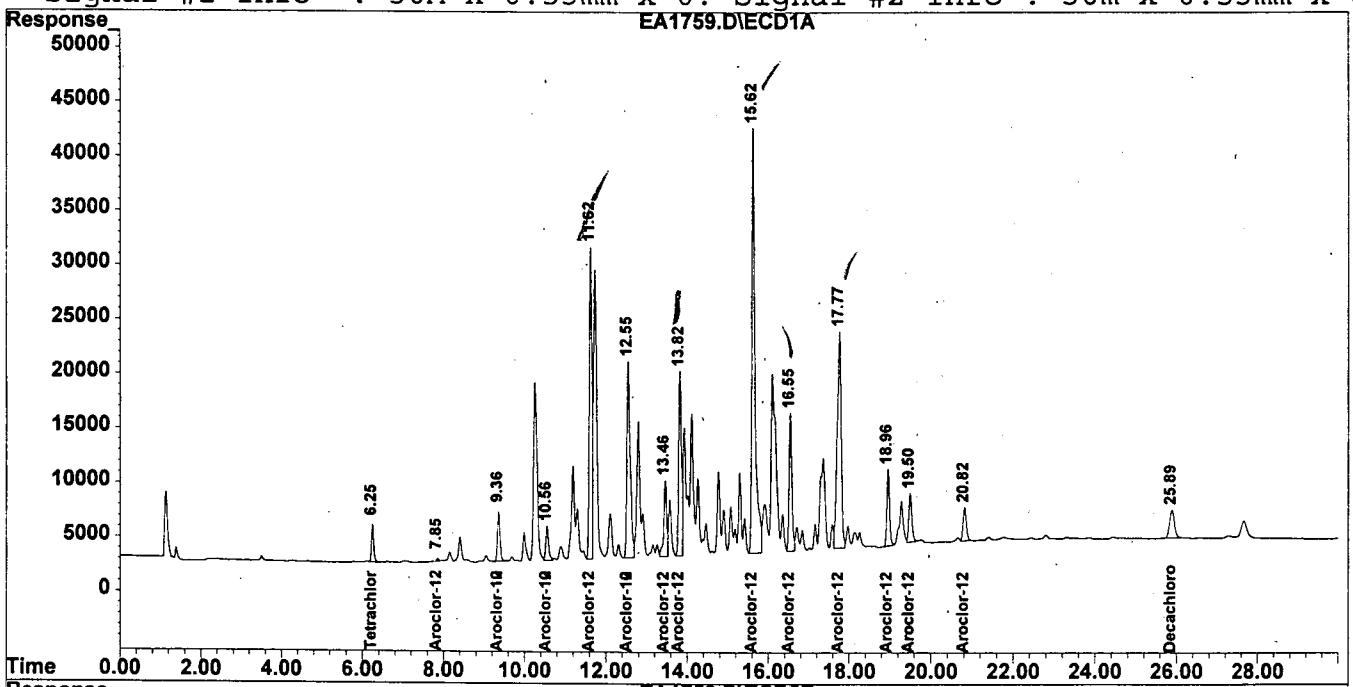
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

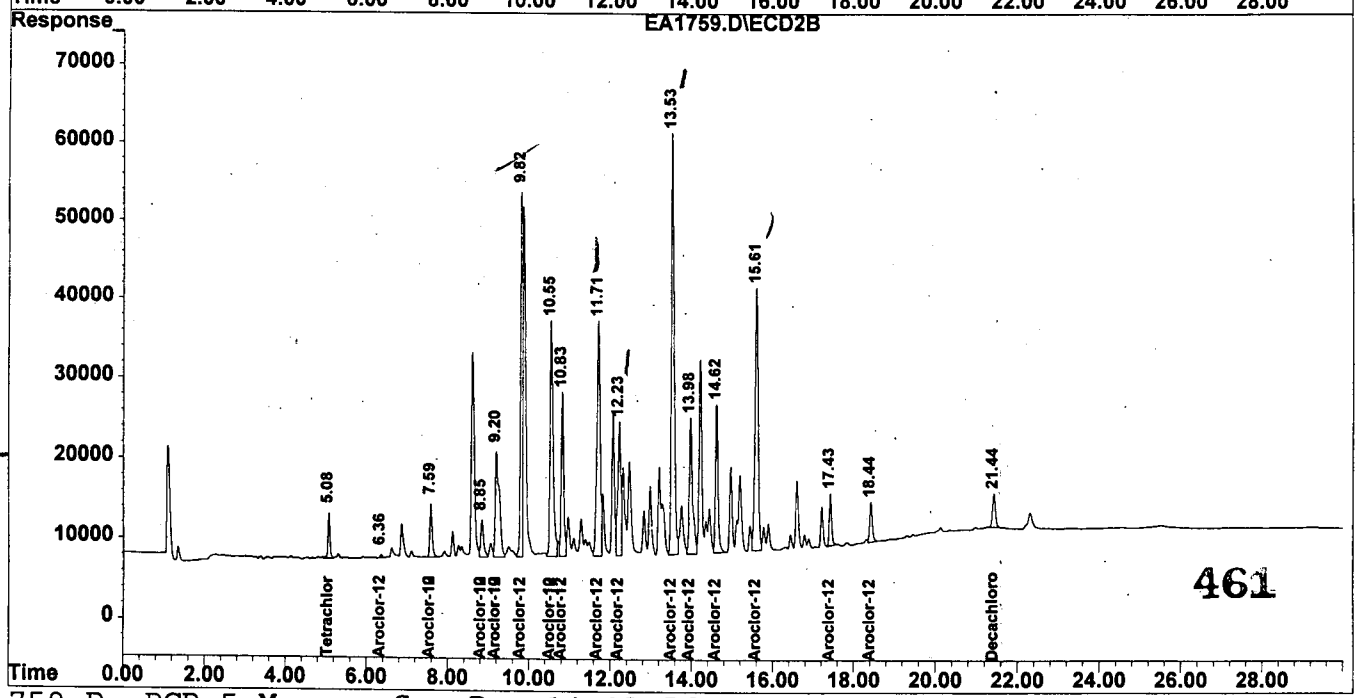
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1759.D\ECD2B.CH
Acq On : 13 Dec 97 20:15 Operator:
Sample : 278195 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:35 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





461

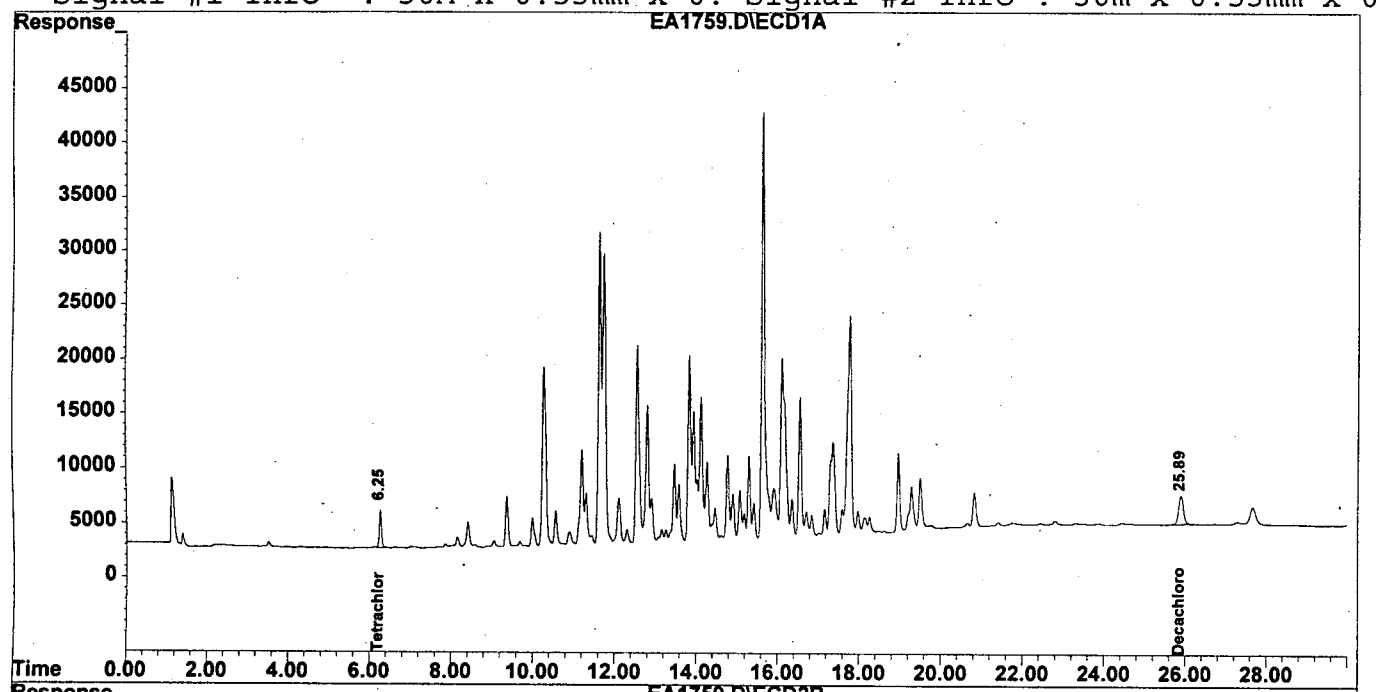
Quantitation Report

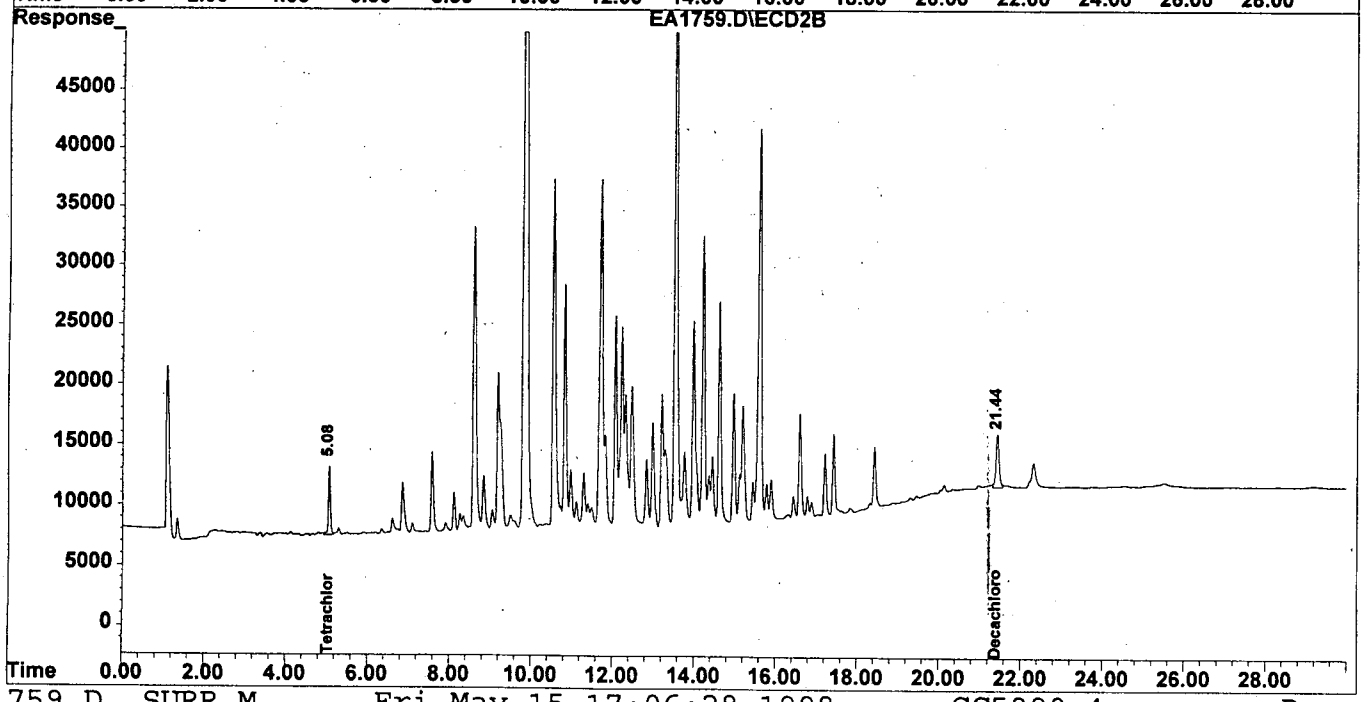
AMENDED REPORT Via MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1759.D\ECD1A.CH
Signal #2 : C:\HPCHEM\WESTDA~1\EA1759.D\ECD2B.CH
Acq On : 13 Dec 97 20:15 Operator:
Sample : 278195 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:50 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





461A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278196
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	17.42%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	40	20
Aroclor-1221	U	U	81	56
Aroclor-1232	U	U	40	32
Aroclor-1242	U	U	40	20
Aroclor-1248	U	U	40	24
Aroclor-1254	200	U	40	28
Aroclor-1260	U	U	40	32

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD2B.CH
Acq On : 12 Dec 97 3:13 Operator:
Sample : 278196 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	604591	895855	43.945	45.044	
Spiked Amount 40.000 Range 43 - 150 Recovery =					109.86%	112.61%	
2) SA Decachlorobiphen	25.89	21.44	960471	974479	41.280	44.845	
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.20%	112.11%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	31752	0	95.408	N.D.	#
4) L1 Aroclor-1016{2}	9.36	0.00	60056	0	88.582	N.D.	#
5) L1 Aroclor-1016{3}	10.56	8.87	43943	174228	34.411	93.882	#
6) L1 Aroclor-1016{4}	0.00	9.21	0	147920	N.D.	175.379	#
7) L1 Aroclor-1016{5}	12.55	10.57	167325	332604	256.314	394.811	#
Sum Aroclor-1016			303076	654753	474.714	664.072	
Average Aroclor-1016					118.678	221.357	
11) L2 Aroclor-1221{4}	8.00	8.87	31752	174228	77.844	1268.518	#
Sum Aroclor-1221			31752	174228	77.844	1268.518	
Average Aroclor-1221					77.844	1268.518	
12) L3 Aroclor-1232{1}	8.00	0.00	31752	0	109.567	N.D.	#
13) L3 Aroclor-1232{2}	9.36	0.00	60056	0	193.387	N.D.	#
14) L3 Aroclor-1232{3}	10.56	8.87	43943	174228	86.405	231.563	#
15) L3 Aroclor-1232{4}	12.55	9.21	167325	147920	530.516	438.463	
16) L3 Aroclor-1232{5}	13.47	10.57	183887	332604	810.645	872.491	
Sum Aroclor-1232			486963	654753	1730.521	1542.517	
Average Aroclor-1232					346.104	514.172	
17) L4 Aroclor-1242{1}	8.00	0.00	31752	0	121.832	N.D.	#
18) L4 Aroclor-1242{2}	9.36	0.00	60056	0	111.713	N.D.	#
19) L4 Aroclor-1242{3}	10.56	8.87	43943	174228	45.208	124.914	#
20) L4 Aroclor-1242{4}	0.00	9.21	0	147920	N.D.	241.736	#
21) L4 Aroclor-1242{5}	12.55	10.57	167325	332604	300.259	502.833	#
Sum Aroclor-1242			303076	654753	579.011	869.483	
Average Aroclor-1242					144.753	289.828	
22) L5 Aroclor-1248{1}	9.36	0.00	60056	0	208.884	N.D.	#

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1730.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDATA\EA1730.D\ECD2B.CH
Acq On : 12 Dec 97 3:13 Operator:
Sample : 278196 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	604591	968714	42.507	44.740
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.27%	111.85%
2) SA Decachlorobiphen	25.89	21.44	967257	1001460	41.125	43.897
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.81%	109.74%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

4-63A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD2B.CH
Acq On : 12 Dec 97 3:13 Operator:
Sample : 278196 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23) L5	Aroclor-1248{2}	10.56	8.87	43943	174228	52.384	143.691	#
24) L5	Aroclor-1248{3}	12.55	10.57	167325	332604	220.008	353.980	#
25) L5	Aroclor-1248{4}	13.47	10.84	183887	115081	258.891	132.679	#
26) L5	Aroclor-1248{5}	15.63	13.54	677086	846642	2039.653	2392.162	
Sum	Aroclor-1248			1132297	1468555	2779.820	3022.512	
Average	Aroclor-1248					555.964	755.628	
						no	no	
27) L6	Aroclor-1254{1}	11.63	9.84	228339	298036	610.327	483.523	
28) L6	Aroclor-1254{2}	13.83	11.72	400664	622696	675.192	504.133	#
29) L6	Aroclor-1254{3}	15.63	12.24	677086	371129	521.101	375.552	#
30) L6	Aroclor-1254{4}	16.55	13.54	309202	846642	495.087	604.653	
31) L6	Aroclor-1254{5}	17.77	15.62	546660	716616	450.708	521.675	
Sum	Aroclor-1254			2161950	2855119	2752.417	2489.536	
Average	Aroclor-1254					550.483	497.907	
32) L7	Aroclor-1260{1}	0.00	13.99	0	373164	N.D.	340.129	#
33) L7	Aroclor-1260{2}	16.55	14.63	309202	422556	262.280	290.235	
34) L7	Aroclor-1260{3}	18.96	15.62	133108	716616	160.441	377.599	#
35) L7	Aroclor-1260{4}	19.50	17.44	106058	114920	55.336	51.538	
36) L7	Aroclor-1260{5}	20.83	18.44	68743	92618	43.992	56.862	#
Sum	Aroclor-1260			617111	1719874	522.049	1116.363	
Average	Aroclor-1260					130.512	223.273	
						no	no	

00 464

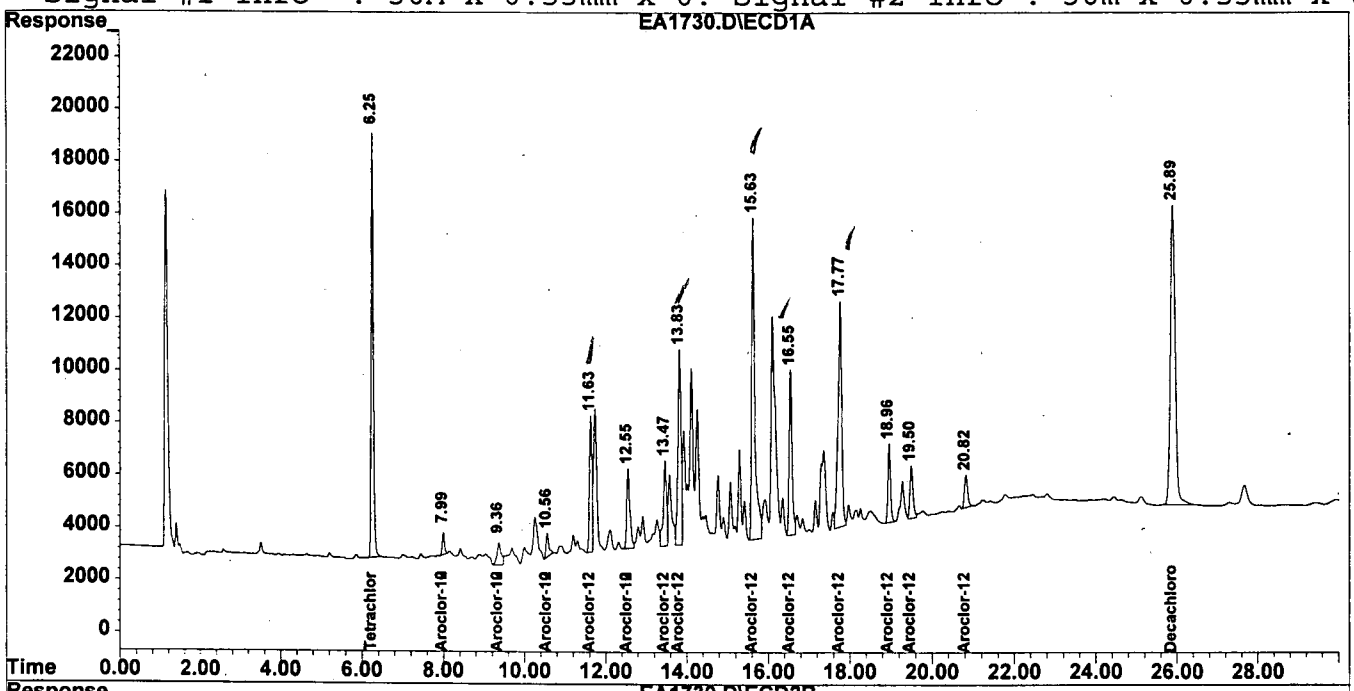
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

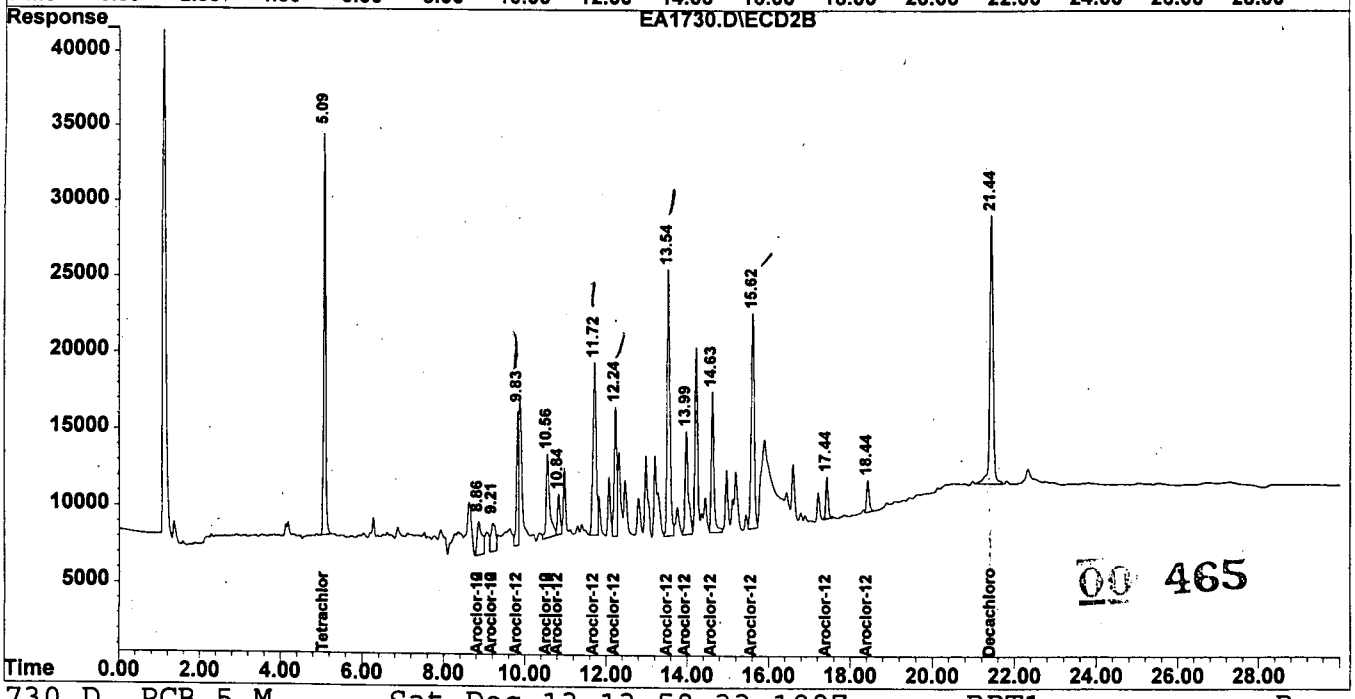
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_E\EA1730.D\ECD2B.CH
Acq On : 12 Dec 97 3:13 Operator:
Sample : 278196 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





00 465

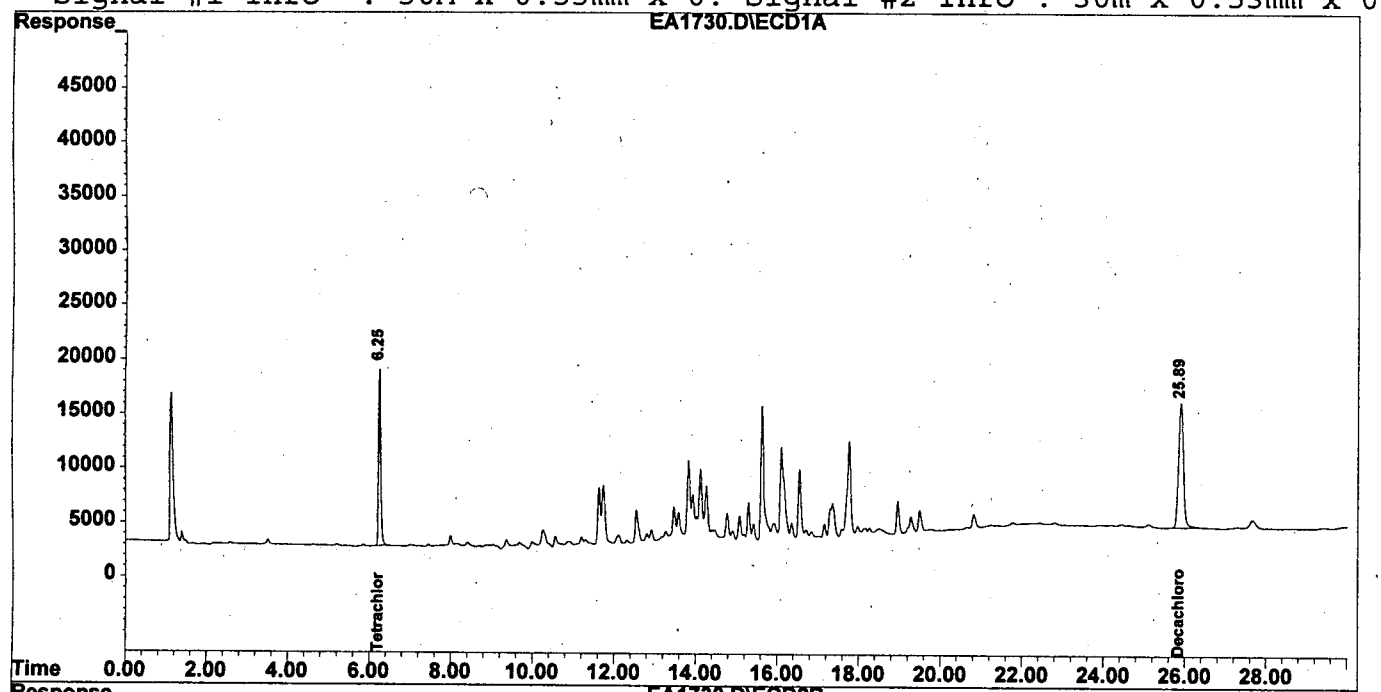
Quantitation Report

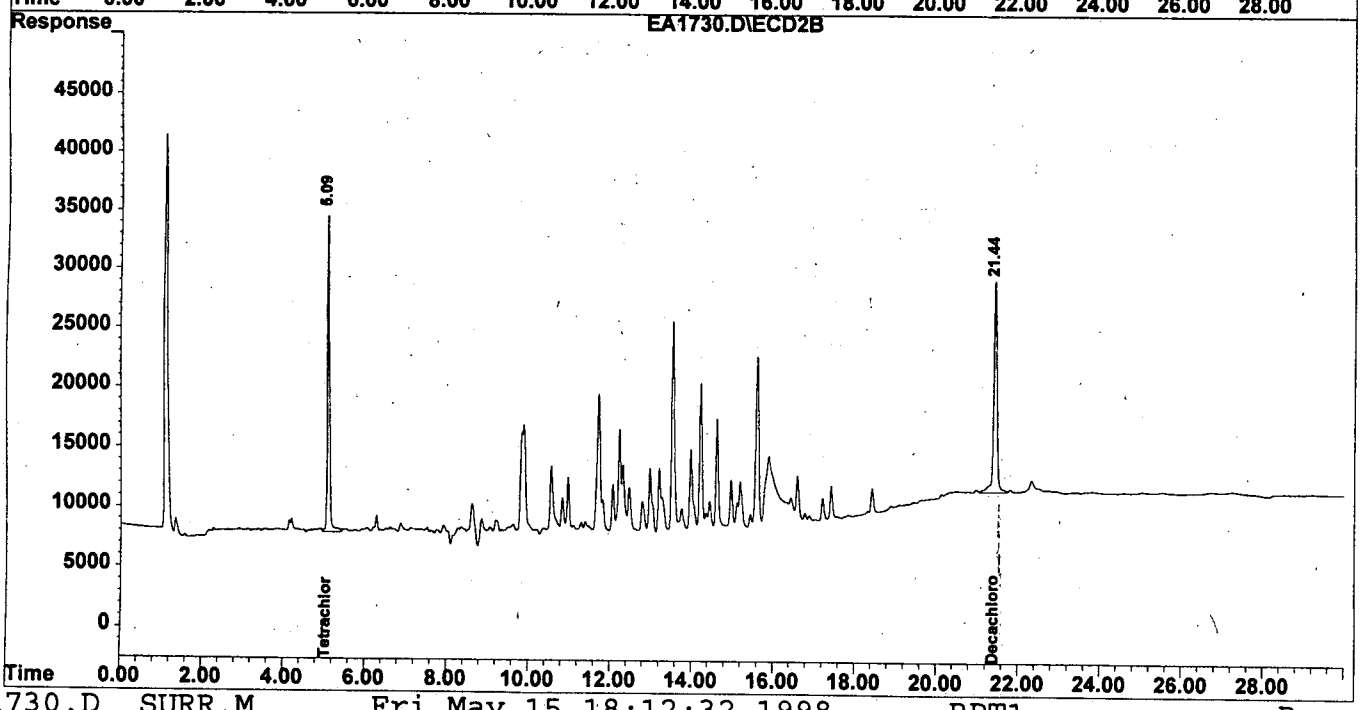
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1730.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDATA\EA1730.D\ECD2B.CH
Acq On : 12 Dec 97 3:13 Operator:
Sample : 278196 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278197
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: IIIISED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	16.76%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	40	20
Aroclor-1221	U	U	80	56
Aroclor-1232	U	U	40	32
Aroclor-1242	U	U	40	20
Aroclor-1248	U	U	40	24
Aroclor-1254	~~62~~ 65	U	40	28
Aroclor-1260	U	U	40	32

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD2B.CH
Acq On : 12 Dec 97 3:46 Operator:
Sample : 278197 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	626202	916873	45.516	46.101	
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.79%	115.25%	
2) SA Decachlorobiphen	25.90	21.44	898774	839582	38.629	38.637	
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.57%	96.59%	
Target Compounds							
4) L1 Aroclor-1016{2}	9.36	7.66	55784	29096	82.279	33.410	#
5) L1 Aroclor-1016{3}	10.56	8.88	34048	175167	26.662	94.388	#
6) L1 Aroclor-1016{4}	0.00	9.24	0	99866	N.D.	118.405	#
7) L1 Aroclor-1016{5}	12.55	10.56	137936	189837	211.295	225.341	
Sum Aroclor-1016			227768	493966	320.237	471.544	
Average Aroclor-1016					106.746	117.886	
9) L2 Aroclor-1221{2}	7.44	0.00	9869	0	104.003	N.D.	#
11) L2 Aroclor-1221{4}	0.00	8.88	0	175167	N.D.	1275.351	#
Sum Aroclor-1221			9869	175167	104.003	1275.351	
Average Aroclor-1221					104.003	1275.351	
13) L3 Aroclor-1232{2}	9.36	7.66	55784	29096	179.629	79.267	#
14) L3 Aroclor-1232{3}	10.56	8.88	34048	175167	66.949	232.810	#
15) L3 Aroclor-1232{4}	12.55	9.24	137936	99866	437.337	296.022	#
16) L3 Aroclor-1232{5}	13.46	10.56	788428	189837	3475.699	497.981	#
Sum Aroclor-1232			1016196	493966	4159.614	1106.081	
Average Aroclor-1232					1039.903	276.520	
18) L4 Aroclor-1242{2}	9.36	7.66	55784	29096	103.765	44.840	#
19) L4 Aroclor-1242{3}	10.56	8.88	34048	175167	35.028	125.587	#
20) L4 Aroclor-1242{4}	0.00	9.24	0	99866	N.D.	163.205	#
21) L4 Aroclor-1242{5}	12.55	10.56	137936	189837	247.522	286.996	
Sum Aroclor-1242			227768	493966	386.315	620.628	
Average Aroclor-1242					128.772	155.157	
22) L5 Aroclor-1248{1}	9.36	7.66	55784	29096	194.022	81.738	#
23) L5 Aroclor-1248{2}	10.56	8.88	34048	175167	40.588	144.465	#
24) L5 Aroclor-1248{3}	12.55	10.56	137936	189837	181.366	202.037	

467

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1731.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDATA\EA1731.D\ECD2B.CH
Acq On : 12 Dec 97 3:46 Operator:
Sample : 278197 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	626202	938446	44.027	43.342
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.07%	108.36%
2) SA Decachlorobiphen	25.90	21.44	903456	1078714	38.412	47.283
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.03%	118.21%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

46 78A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD2B.CH
Acq On : 12 Dec 97 3:46 Operator:
Sample : 278197 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
25) L5	Aroclor-1248{4}	13.46	10.83	788428	52916	1110.014	61.008	#
26) L5	Aroclor-1248{5}	15.62	13.54	212249	273962	639.379	774.073	
Sum	Aroclor-1248			1228445	720978	2165.370	1263.320	
Average	Aroclor-1248					433.074	252.664	
27) L6	Aroclor-1254{1}	11.62	9.83	76324	108219	204.007m	175.571	
28) L6	Aroclor-1254{2}	13.82	11.72	92386	195665	155.687m	158.410	
29) L6	Aroclor-1254{3}	15.62	12.23	212249	132452	163.352	134.030	
30) L6	Aroclor-1254{4}	16.54	13.54	82832	273962	132.629	195.658	#
31) L6	Aroclor-1254{5}	17.77	15.62	151440	201708	124.859	146.837	
Sum	Aroclor-1254			615231	912007	780.534	810.507	
Average	Aroclor-1254					156.107	162.101	
32) L7	Aroclor-1260{1}	0.00	13.99	0	115942	N.D.	105.678	#
33) L7	Aroclor-1260{2}	16.54	14.63	82832	112007	70.263	76.933	
34) L7	Aroclor-1260{3}	18.96	15.62	27039	201708	32.591	106.284	#
35) L7	Aroclor-1260{4}	19.50	17.44	33099	30997	17.270	13.901	
36) L7	Aroclor-1260{5}	20.83	18.44	28370	29995	18.155	18.415	
Sum	Aroclor-1260			171341	490649	138.279	321.211	
Average	Aroclor-1260					34.570	64.242	

100 468

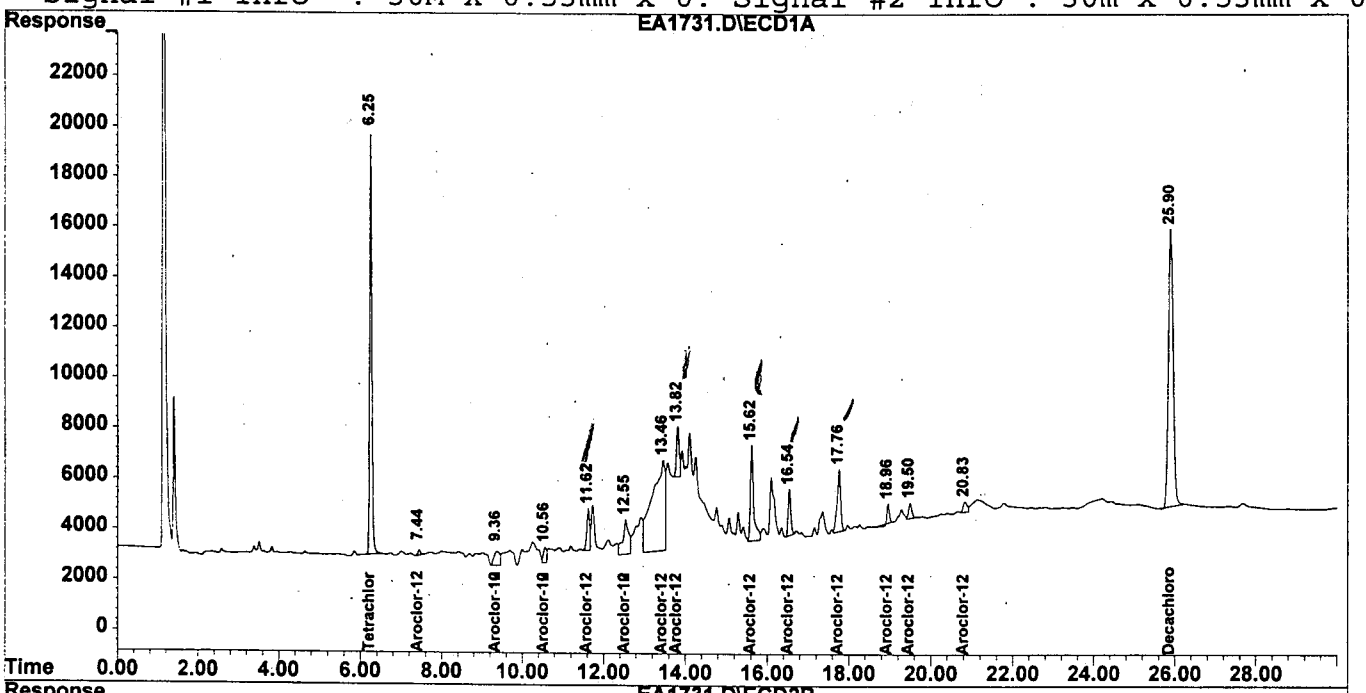
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

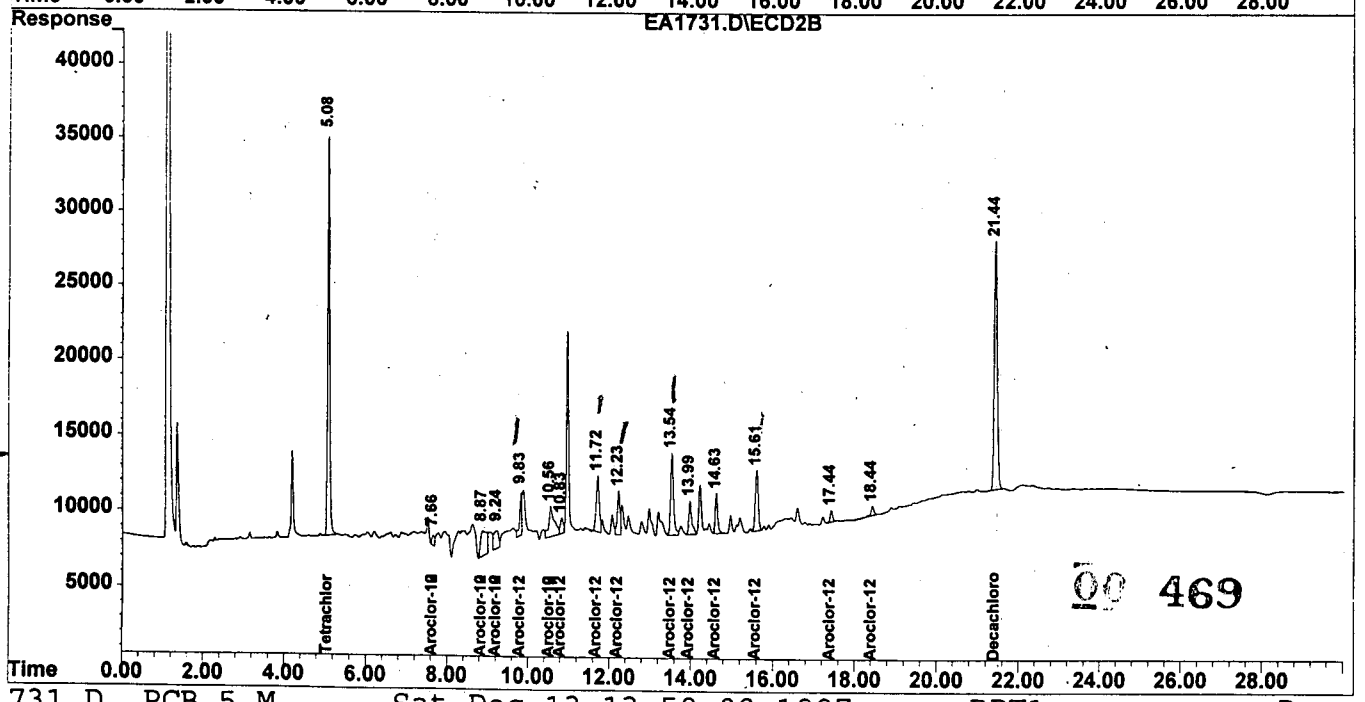
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_E\EA1731.D\ECD2B.CH
Acq On : 12 Dec 97 3:46 Operator:
Sample : 278197 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:49 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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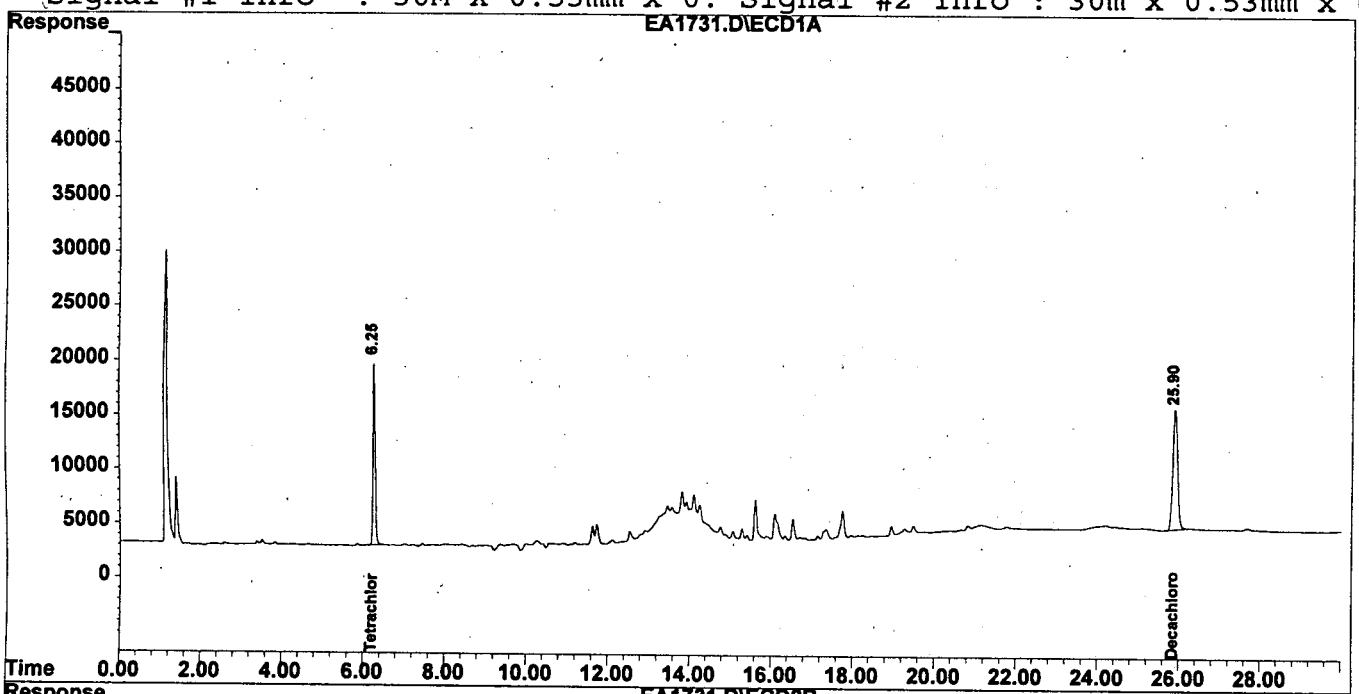
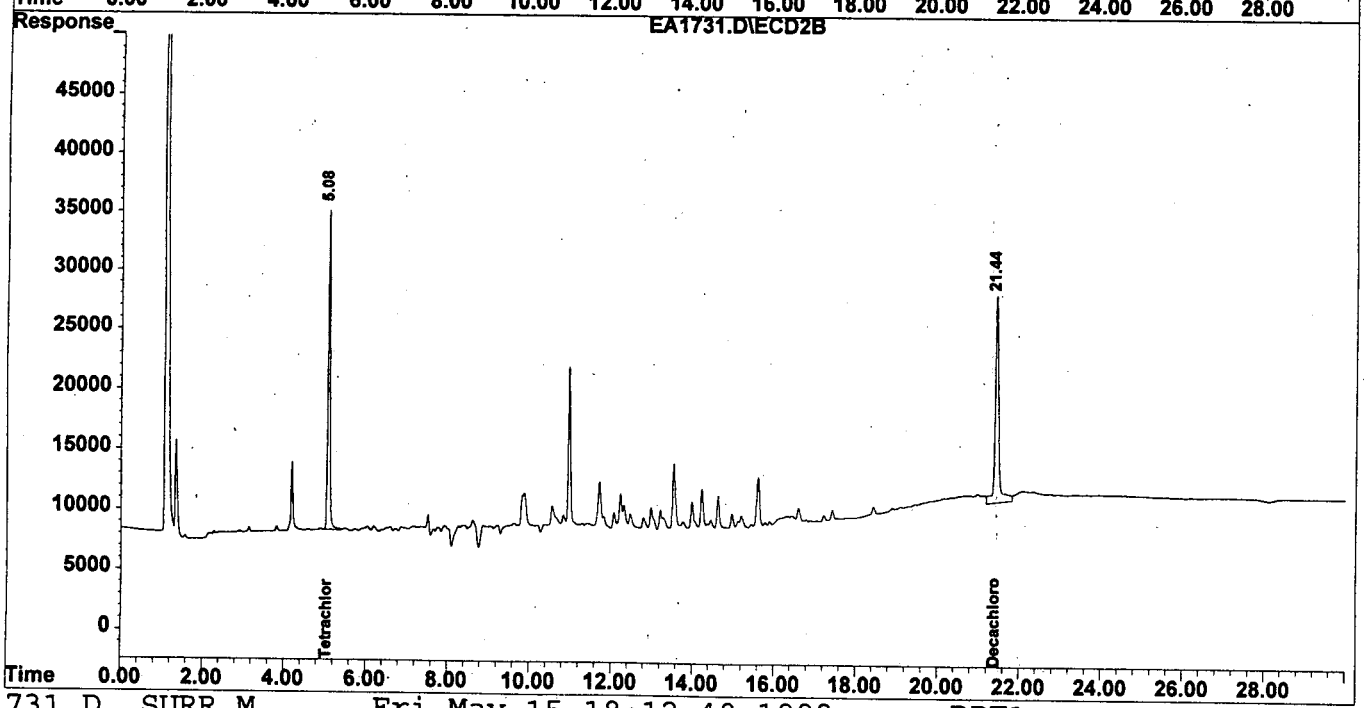
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1731.D\ECD1A.CH Vial: 27
Signal #2 : E:\WESTDATA\EA1731.D\ECD2B.CH
Acq On : 12 Dec 97 3:46 Operator:
Sample : 278197 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





469A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278198
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSED(S)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	18.18%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	41	20
Aroclor-1221	U	U	81	57
Aroclor-1232	U	U	41	32
Aroclor-1242	U	U	41	20
Aroclor-1248	U	U	41	24
Aroclor-1254	70	U	41	28
Aroclor-1260	U	U	41	32

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD2B.CH
Acq On : 12 Dec 97 4:19 Operator:
Sample : 278198 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:50 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	638068	930373	46.379	46.780	
Spiked Amount 40.000 Range 43 - 150 Recovery =					115.95%	116.95%	
2) SA Decachlorobiphen	25.89	21.44	927477	860708	39.862	39.610	
Spiked Amount 40.000 Range 24 - 154 Recovery =					99.66%	99.02%	
Target Compounds							
4) L1 Aroclor-1016{2}	9.37	7.66	61511	36022	90.728	41.363	#
5) L1 Aroclor-1016{3}	10.56	8.88	24884	198548	19.486	106.987	#
6) L1 Aroclor-1016{4}	11.09	9.24	12391	131053	28.020	155.380	#
7) L1 Aroclor-1016{5}	12.55	10.56	34334	193226	52.594	229.365	#
Sum Aroclor-1016			133121	558849	190.829	533.096	
Average Aroclor-1016					47.707	133.274	
9) L2 Aroclor-1221{2}	7.44	0.00	10631	0	112.037	N.D.	#
11) L2 Aroclor-1221{4}	0.00	8.88	0	198548	N.D.	1445.586	#
Sum Aroclor-1221			10631	198548	112.037	1445.586	
Average Aroclor-1221					112.037	1445.586	
13) L3 Aroclor-1232{2}	9.37	7.66	61511	36022	198.072	98.135	#
14) L3 Aroclor-1232{3}	10.56	8.88	24884	198548	48.930	263.886	#
15) L3 Aroclor-1232{4}	12.55	9.24	34334	131053	108.860	388.464	#
16) L3 Aroclor-1232{5}	13.47	10.56	80906	193226	356.667	506.874	#
Sum Aroclor-1232			201636	558849	712.528	1257.360	
Average Aroclor-1232					178.132	314.340	
18) L4 Aroclor-1242{2}	9.37	7.66	61511	36022	114.419	55.513	#
19) L4 Aroclor-1242{3}	10.56	8.88	24884	198548	25.600	142.350	#
20) L4 Aroclor-1242{4}	11.09	9.24	12391	131053	37.350	214.171	#
21) L4 Aroclor-1242{5}	12.55	10.56	34334	193226	61.612	292.121	#
Sum Aroclor-1242			133121	558849	238.981	704.155	
Average Aroclor-1242					59.745	176.039	
22) L5 Aroclor-1248{1}	9.37	7.66	61511	36022	213.944	101.195	#
23) L5 Aroclor-1248{2}	10.56	8.88	24884	198548	29.664	163.748	#
24) L5 Aroclor-1248{3}	12.55	10.56	34334	193226	45.145	205.644	#

00 471

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1732.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDATA\EA1732.D\ECD2B.CH
Acq On : 12 Dec 97 4:19 Operator:
Sample : 278198 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	638068	974772	44.861	45.019
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.15%	112.55%
2) SA Decachlorobiphen	25.89	21.44	944787	987504	40.170	43.285
Spiked Amount 40.000 Range 24 - 154 Recovery =					100.43%	108.21%

Target Compounds

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD2B.CH
Acq On : 12 Dec 97 4:19 Operator:
Sample : 278198 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:50 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
5) L5	Aroclor-1248{4}	13.47	10.84	80906	56494	113.907	65.133	#
26) L5	Aroclor-1248{5}	15.62	13.54	234271	321401	705.718	908.108	#
Sum	Aroclor-1248			435907	805691	1108.377	1443.829	
verage	Aroclor-1248					221.675	288.766	
27) L6	Aroclor-1254{1}	11.63	9.83	60817	58928	162.559	95.603m	#
8) L6	Aroclor-1254{2}	13.82	11.72	97108	186335	163.645m	150.857	
9) L6	Aroclor-1254{3}	15.62	12.24	234271	139685	180.301	141.350	
30) L6	Aroclor-1254{4}	16.54	13.54	136284	321401	218.215	229.537	
1) L6	Aroclor-1254{5}	17.77	15.62	263258	331016	217.051	240.969	
Sum	Aroclor-1254			791738	1037365	941.769	858.316	
Average	Aroclor-1254					188.354	171.663	
2) L7	Aroclor-1260{1}	0.00	13.99	0	162001	N.D.	147.660	#
33) L7	Aroclor-1260{2}	16.54	14.63	136284	189562	115.603	130.202	
34) L7	Aroclor-1260{3}	18.96	15.62	59441	331016	71.647	174.419	#
5) L7	Aroclor-1260{4}	19.50	17.44	44296	48362	23.111	21.689	
6) L7	Aroclor-1260{5}	20.82	18.44	32821	47667	21.004	29.265	#
Sum	Aroclor-1260			272841	778607	231.364	503.234	
verage	Aroclor-1260					57.841	100.647	

472

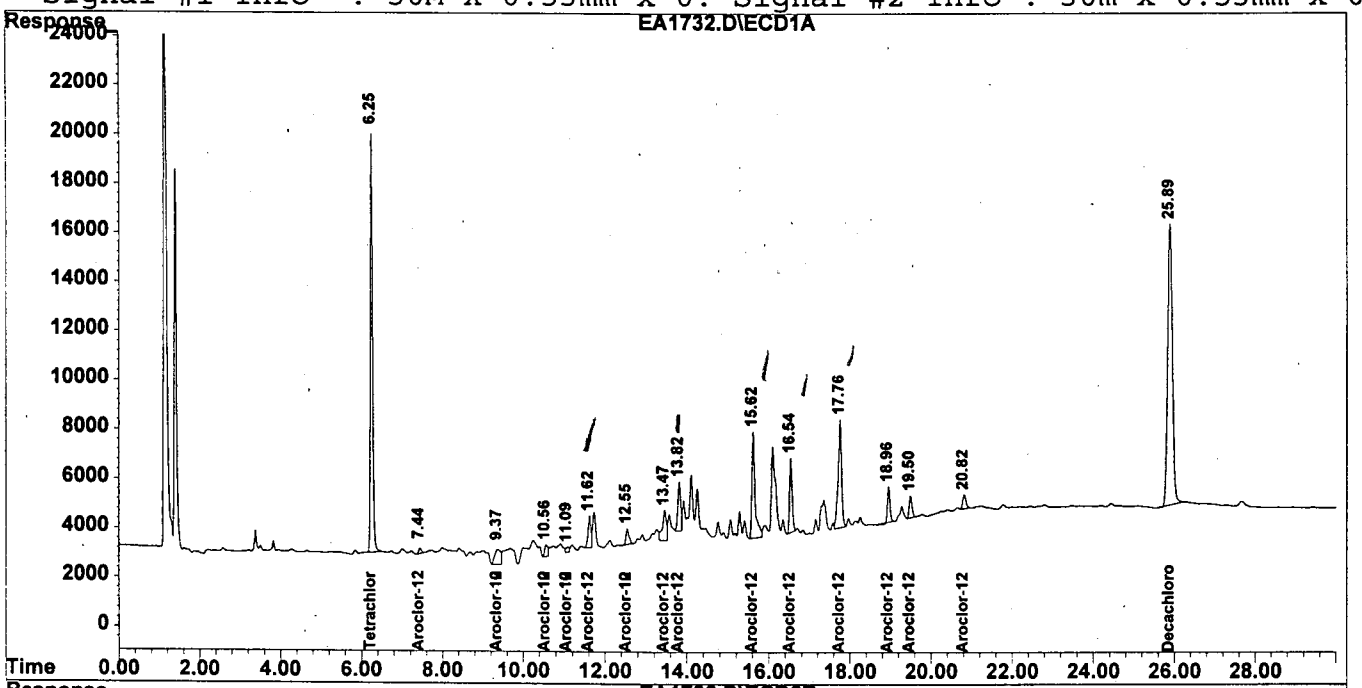
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

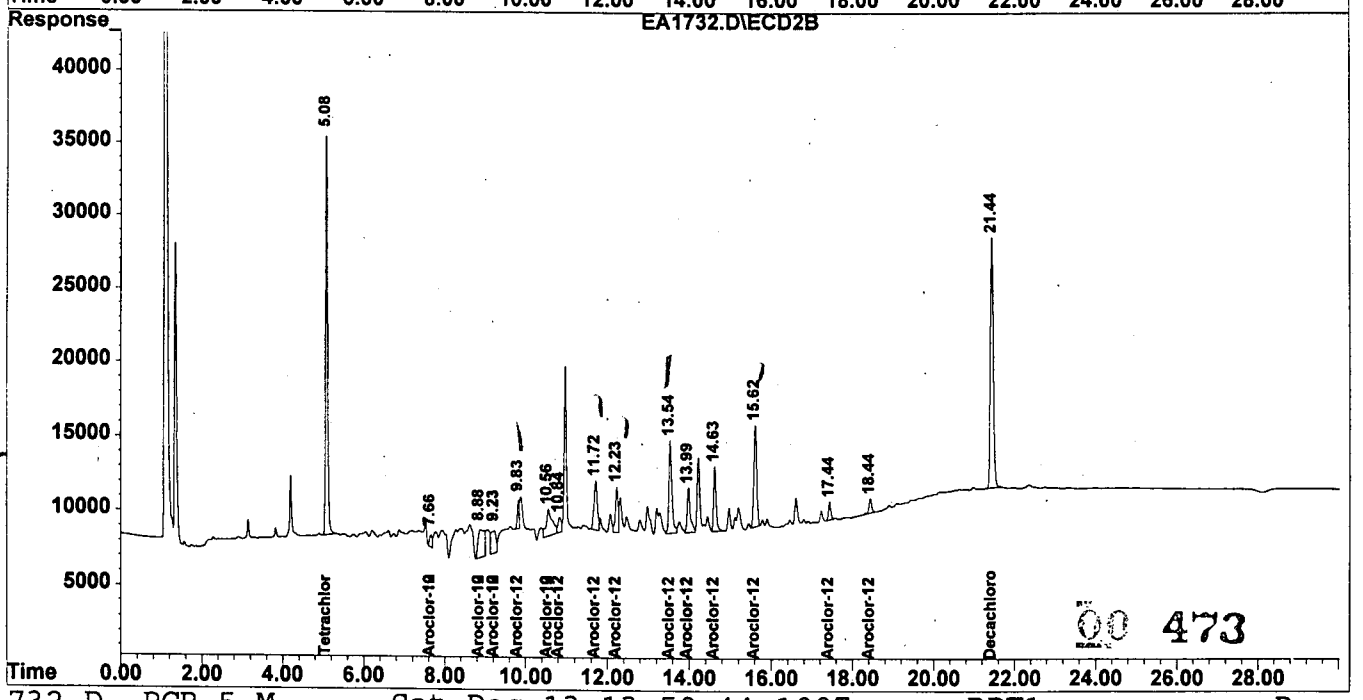
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_E\EA1732.D\ECD2B.CH
Acq On : 12 Dec 97 4:19 Operator:
Sample : 278198 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:50 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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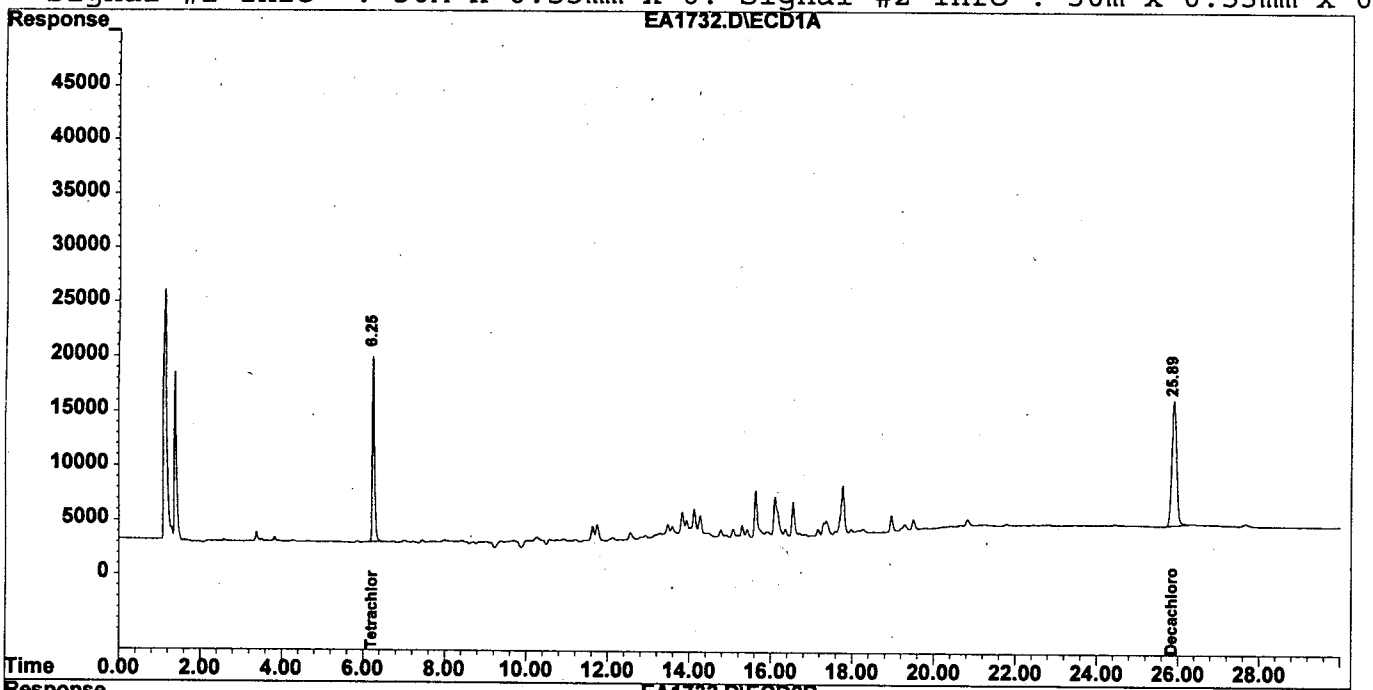
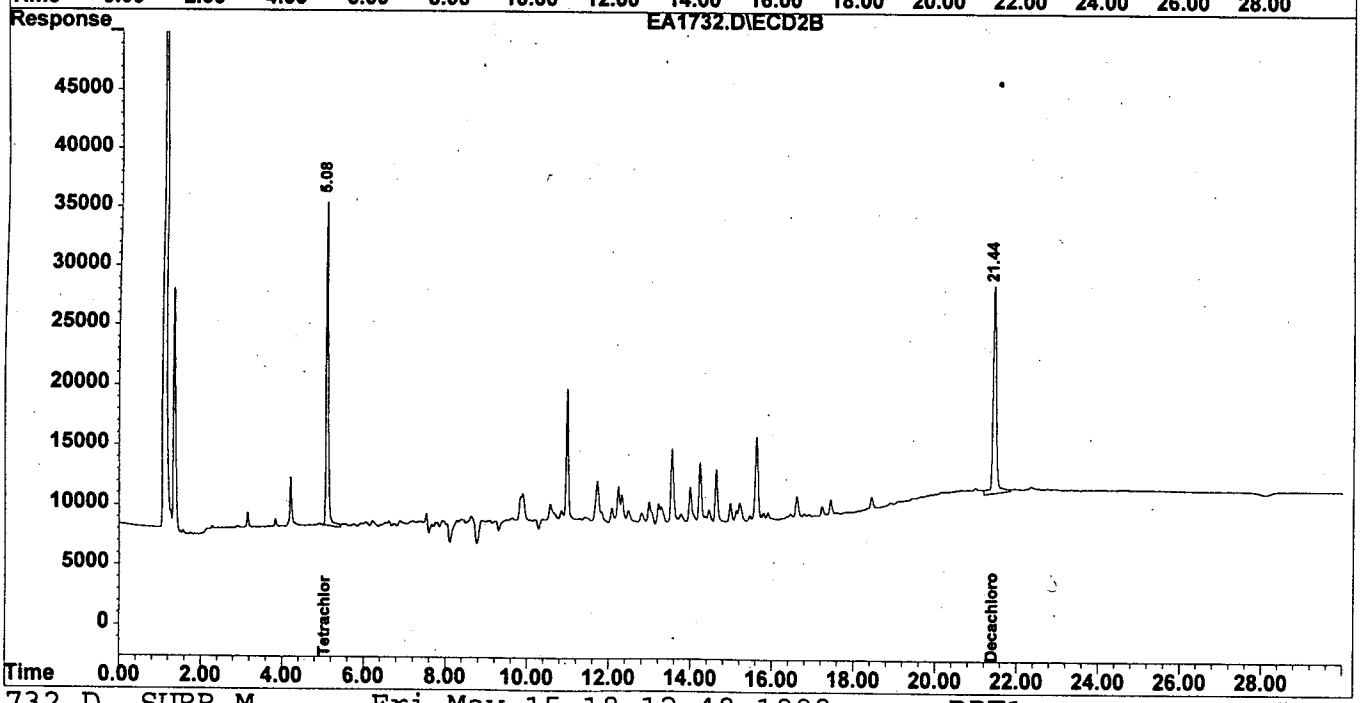
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1732.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDATA\EA1732.D\ECD2B.CH
Acq On : 12 Dec 97 4:19 Operator:
Sample : 278198 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





473A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278199
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: JJJJSED(D)
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	14.48%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	39	19
Aroclor-1221	U	U	78	54
Aroclor-1232	U	U	39	31
Aroclor-1242	U	U	39	19
Aroclor-1248	U	U	39	23
Aroclor-1254	28J	U	39	27
Aroclor-1260	U	U	39	31

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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All rights reserved.
NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD2B.CH
Acq On : 12 Dec 97 4:53 Operator:
Sample : 278199 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:52 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	644810	940482	46.869	47.288	
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.17%	118.22%	
2) SA Decachlorobiphen	25.89	21.44	940882	862265	40.438	39.681	
Spiked Amount 40.000 Range 24 - 154 Recovery =					101.10%	99.20%	
Target Compounds							
4) L1 Aroclor-1016{2}	9.38	7.66	60034	44287	88.548	50.853	#
6) L1 Aroclor-1016{4}	11.09	9.23	22772	128046	51.496	151.815	#
7) L1 Aroclor-1016{5}	12.55	10.57	16994	196335	26.033	233.056	#
Sum Aroclor-1016			99800	368668	166.077	435.724	
Average Aroclor-1016					55.359	145.241	
9) L2 Aroclor-1221{2}	7.44	0.00	10688	0	112.635	N.D.	#
Sum Aroclor-1221			10688	0	112.635	N.D.	
Average Aroclor-1221					112.635	0.000	
13) L3 Aroclor-1232{2}	9.38	7.66	60034	44287	193.314	120.651	#
15) L3 Aroclor-1232{4}	12.55	9.23	16994	128046	53.882	379.551	#
16) L3 Aroclor-1232{5}	13.47	10.57	28575	196335	125.968	515.029	#
Sum Aroclor-1232			105603	368668	373.164	1015.231	
Average Aroclor-1232					124.388	338.410	
18) L4 Aroclor-1242{2}	9.38	7.66	60034	44287	111.670	68.250	#
20) L4 Aroclor-1242{4}	11.09	9.23	22772	128046	68.642	209.257	#
21) L4 Aroclor-1242{5}	12.55	10.57	16994	196335	30.496	296.821	#
Sum Aroclor-1242			99800	368668	210.808	574.327	
Average Aroclor-1242					70.269	191.442	
22) L5 Aroclor-1248{1}	9.38	7.66	60034	44287	208.804	124.412	#
24) L5 Aroclor-1248{3}	12.55	10.57	16994	196335	22.345	208.953	#
25) L5 Aroclor-1248{4}	13.47	10.84	28575	40053	40.230	46.178	
26) L5 Aroclor-1248{5}	15.63	13.54	92998	161934	280.147	457.540	#
Sum Aroclor-1248			198601	442609	551.527	837.082	
Average Aroclor-1248					137.882	209.271	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
EA1733.D PCB_5.M Sat Dec 13 14:00:06 1997 RPT1 Page 1

ICM Laboratories Quantitation Report (QT Reviewed) MAY 3 0 1998
AMENDED REPORT

Signal #1 : E:\WESTDATA\EA1733.D\ECD1A.CH Vial: 29
Signal #2 : E:\WESTDATA\EA1733.D\ECD2B.CH
Acq On : 12 Dec 97 4:53 Operator:
Sample : 278199 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	644810	1005666	45.335	46.446
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.34%	116.12%
2) SA Decachlorobiphen	25.89	21.44	962465	1109359	40.921	48.627
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.30%	121.57%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD2B.CH
Acq On : 12 Dec 97 4:53 Operator:
Sample : 278199 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:52 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
27)	L6 Aroclor-1254{1}	11.62	9.86	16194	29552	43.285m	47.944m
28)	L6 Aroclor-1254{2}	13.82	11.72	41442	68500	69.837m	55.457m
29)	L6 Aroclor-1254{3}	15.63	12.24	92998	50720	71.574	51.324m#
30)	L6 Aroclor-1254{4}	16.55	13.54	64297	129840	102.950	92.729m
31)	L6 Aroclor-1254{5}	17.77	15.62	121861	149760	100.471	109.021m
	Sum Aroclor-1254			336792	428372	388.118	356.476
	Average Aroclor-1254					77.624	~~71.295~~
32)	L7 Aroclor-1260{1}	0.00	13.99	0	96012	N.D.	87.512 #
33)	L7 Aroclor-1260{2}	16.55	14.63	64297	90385	54.540	62.081
34)	L7 Aroclor-1260{3}	18.96	15.62	26636	150327	32.106	79.210 #
35)	L7 Aroclor-1260{4}	19.50	17.44	36547	33208	19.068	14.893
36)	L7 Aroclor-1260{5}	20.83	18.45	26643	22541	17.050	13.839
	Sum Aroclor-1260			154123	392472	122.764	257.535
	Average Aroclor-1260					30.691	51.507

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12/13/97

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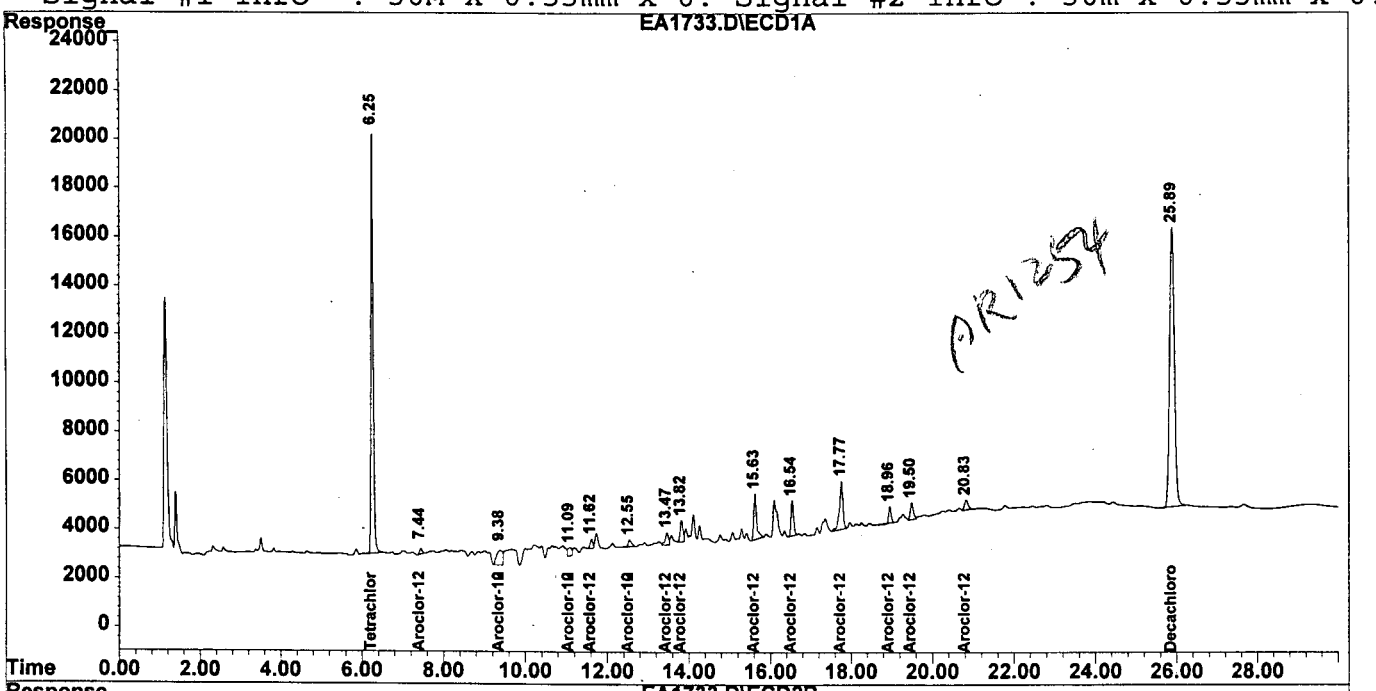
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_E\EA1733.D\ECD2B.CH
Acq On : 12 Dec 97 4:53 Operator:
Sample : 278199 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:52 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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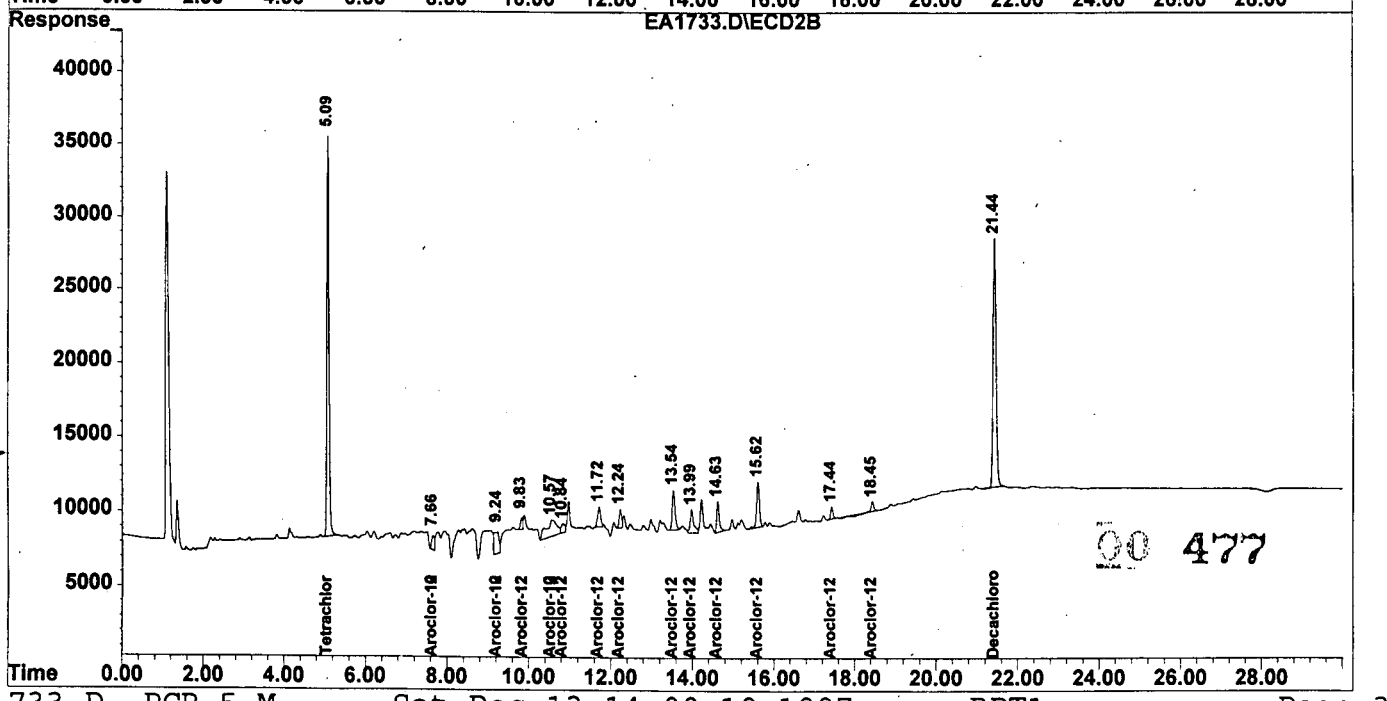

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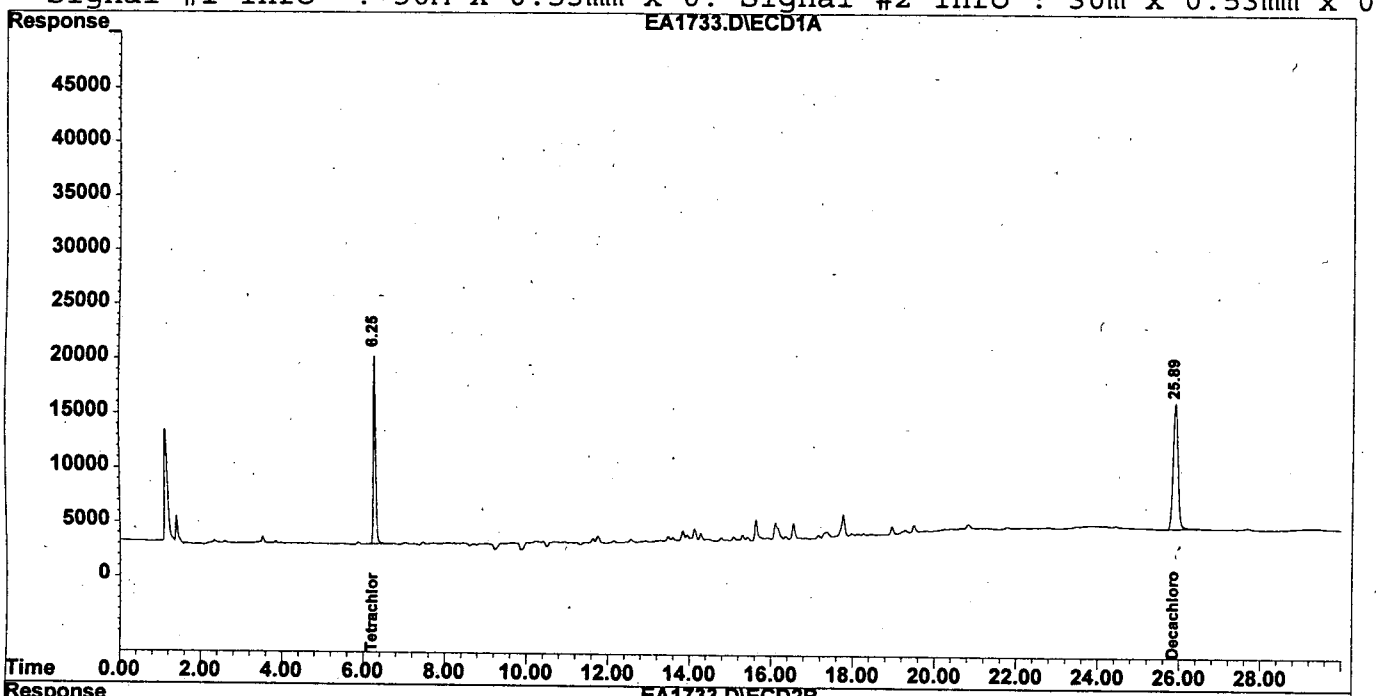
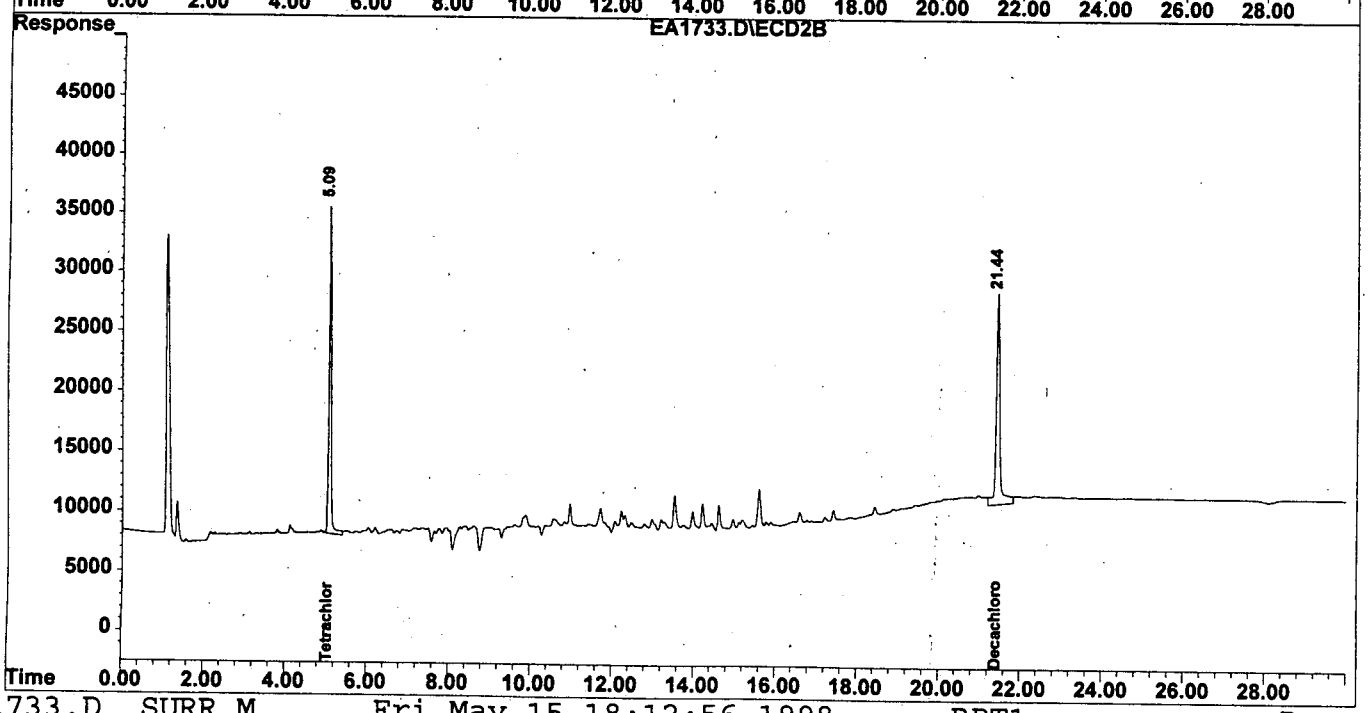
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1733.D\ECD1A.CH Vial: 29
Signal #2 : E:\WESTDATA\EA1733.D\ECD2B.CH
Acq On : 12 Dec 97 4:53 Operator:
Sample : 278199 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 24, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278200
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	35.48%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	260	130
Aroclor-1221	U	U	520	360
Aroclor-1232	U	U	260	210
Aroclor-1242	U	U	260	130
Aroclor-1248	U	U	260	150
Aroclor-1254	3700	U	260	180
Aroclor-1260	U	U	260	210

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD2B.CH
Acq On : 13 Dec 97 20:49 Operator:
Sample : 278200 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:36 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	115185	167483	8.372m	8.421m
Spiked Amount 40.000 Range 43 - 150 Recovery =					20.93%#	21.05%#
2) SA Decachlorobiphen	25.89	21.44	208355	195290	8.955	8.987m
Spiked Amount 40.000 Range 24 - 154 Recovery =					22.39%#	22.47%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	81849	0	245.941	N.D. #
4) L1 Aroclor-1016{2}	9.36	0.00	47480	0	70.031	N.D. #
5) L1 Aroclor-1016{3}	10.56	8.85	68087	300201	53.317	161.762 #
6) L1 Aroclor-1016{4}	0.00	9.25	0	222377	N.D.	263.657 #
7) L1 Aroclor-1016{5}	12.55	10.55	305890	587609	468.572	697.508 #
Sum Aroclor-1016			503306	1110187	837.862	1122.927
Average Aroclor-1016					209.465 NP	374.309 NP
8) L2 Aroclor-1221{1}	5.20	5.94	28591	29926	220.498	109.589 #
11) L2 Aroclor-1221{4}	7.99	8.85	81849	300201	200.665	2185.700 #
Sum Aroclor-1221			110440	330128	421.162	2295.289
Average Aroclor-1221					210.581 NP	1147.644 NP
12) L3 Aroclor-1232{1}	7.99	0.00	81849	0	282.440	N.D. #
13) L3 Aroclor-1232{2}	9.36	0.00	47480	0	152.889	N.D. #
14) L3 Aroclor-1232{3}	10.56	8.85	68087	300201	133.880	398.991 #
15) L3 Aroclor-1232{4}	12.55	9.25	305890	222377	969.847	659.165 #
16) L3 Aroclor-1232{5}	13.47	10.55	259911	587609	1145.789	1541.422 #
Sum Aroclor-1232			763217	1110187	2684.845	2599.578
Average Aroclor-1232					536.969 NP	866.526 NP
17) L4 Aroclor-1242{1}	7.99	0.00	81849	0	314.057	N.D. #
18) L4 Aroclor-1242{2}	9.36	0.00	47480	0	88.319	N.D. #
19) L4 Aroclor-1242{3}	10.56	8.85	68087	300201	70.046	215.231 #
20) L4 Aroclor-1242{4}	0.00	9.25	0	222377	N.D.	363.415 #
21) L4 Aroclor-1242{5}	12.55	10.55	305890	587609	548.909	888.350 #
Sum Aroclor-1242			503306	1110187	1021.330	1466.997
Average Aroclor-1242					255.333 NP	488.999 NP

QC 479

LAW 12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 3 0 199

Signal #1 : C:\HPCHEM\WESTDA~1\EA1760.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\WESTDA~1\EA1760.D\ECD2B.CH
Acq On : 13 Dec 97 20:49 Operator:
Sample : 278200 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:50 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	123759	166501	8.701m	7.690m
Spiked Amount 40.000 Range 43 - 150 Recovery =					21.75%#	19.23%#
2) SA Decachlorobiphen	25.89	21.44	229525	259089	9.759	11.357
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.40%	28.39%

Target Compounds

5/30/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD2B.CH
Acq On : 13 Dec 97 20:49 Operator:
Sample : 278200 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:36 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	0.00	47480	0	165.140	N.D.	#
23)	L5 Aroclor-1248{2}	10.56	8.85	68087	300201	81.166	247.585	#
24)	L5 Aroclor-1248{3}	12.55	10.55	305890	587609	402.201	625.372	#
25)	L5 Aroclor-1248{4}	13.47	10.83	259911	296805	365.924	342.193	
26)	L5 Aroclor-1248{5}	15.63	13.53	2149326	2534455	6474.627	7161.030	
	Sum Aroclor-1248			2830693	3719070	7489.058	8376.179	
	Average Aroclor-1248					1497.812	2094.045	
27)	L6 Aroclor-1254{1}	11.63	9.84	394002	395388	1053.129	641.463	m#
28)	L6 Aroclor-1254{2}	13.82	11.71	1052835	1556284	1774.220	1259.964	#
29)	L6 Aroclor-1254{3}	15.63	12.23	2149326	1277671	1654.172	1292.898	
30)	L6 Aroclor-1254{4}	16.55	13.53	1187708	2534455	1901.734	1810.053	
31)	L6 Aroclor-1254{5}	17.77	15.61	2102874	2855475	1733.772	2078.698	
	Sum Aroclor-1254			6886746	8619273	8117.028	7083.077	
	Average Aroclor-1254					1623.406	1416.615	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1373977	N.D.	1252.343	#
33)	L7 Aroclor-1260{2}	16.55	14.62	1187708	1409553	1007.473	968.159	
34)	L7 Aroclor-1260{3}	18.96	15.61	571982	2855475	689.434	1504.606	#
35)	L7 Aroclor-1260{4}	19.50	17.44	496653	560038	259.130	251.159	
36)	L7 Aroclor-1260{5}	20.83	18.44	316426	444205	202.495	272.718	#
	Sum Aroclor-1260			2572769	6643249	2158.533	4248.986	
	Average Aroclor-1260					539.633	849.797	

480 480

12/15/97

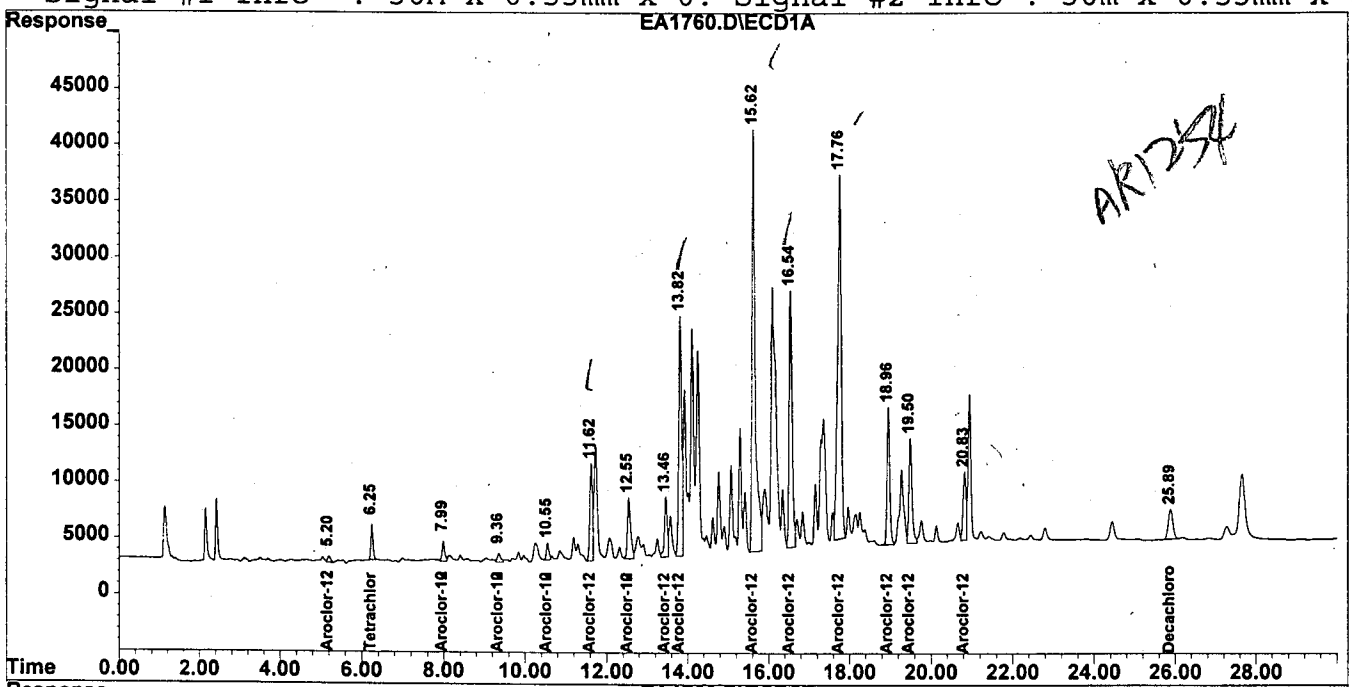
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

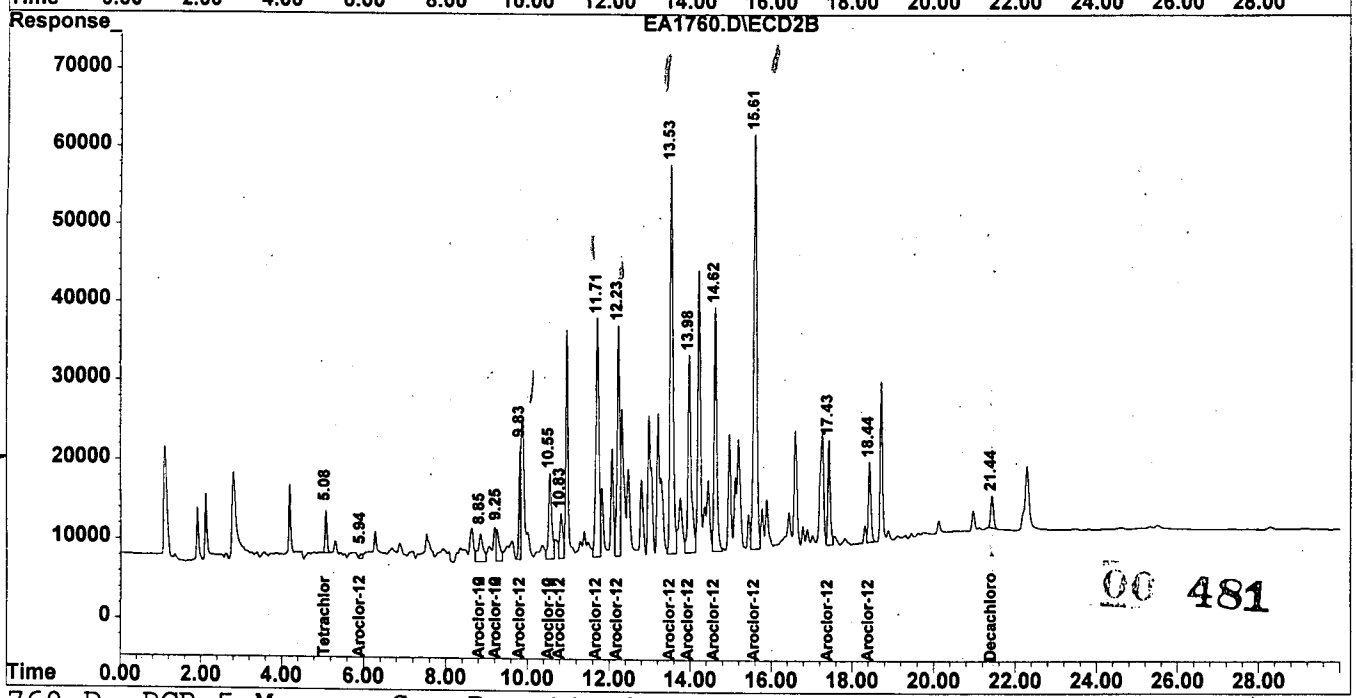
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1760.D\ECD2B.CH
Acq On : 13 Dec 97 20:49 Operator:
Sample : 278200 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:36 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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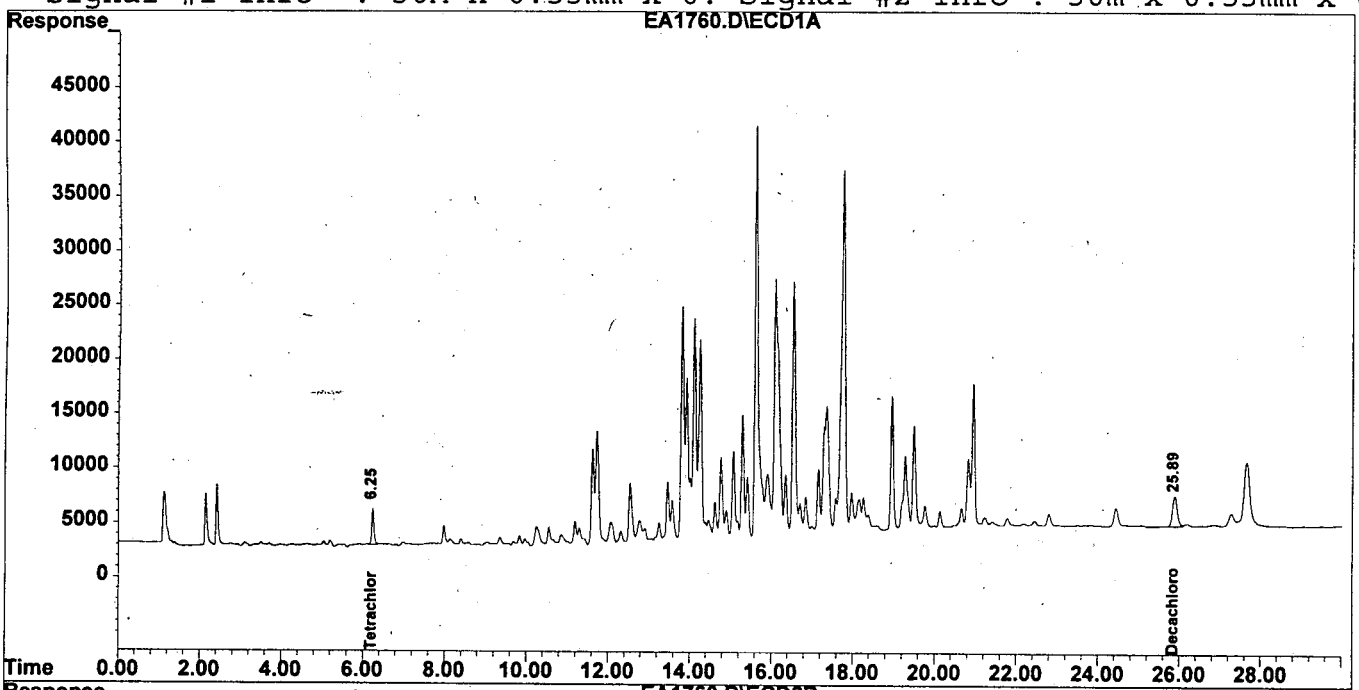
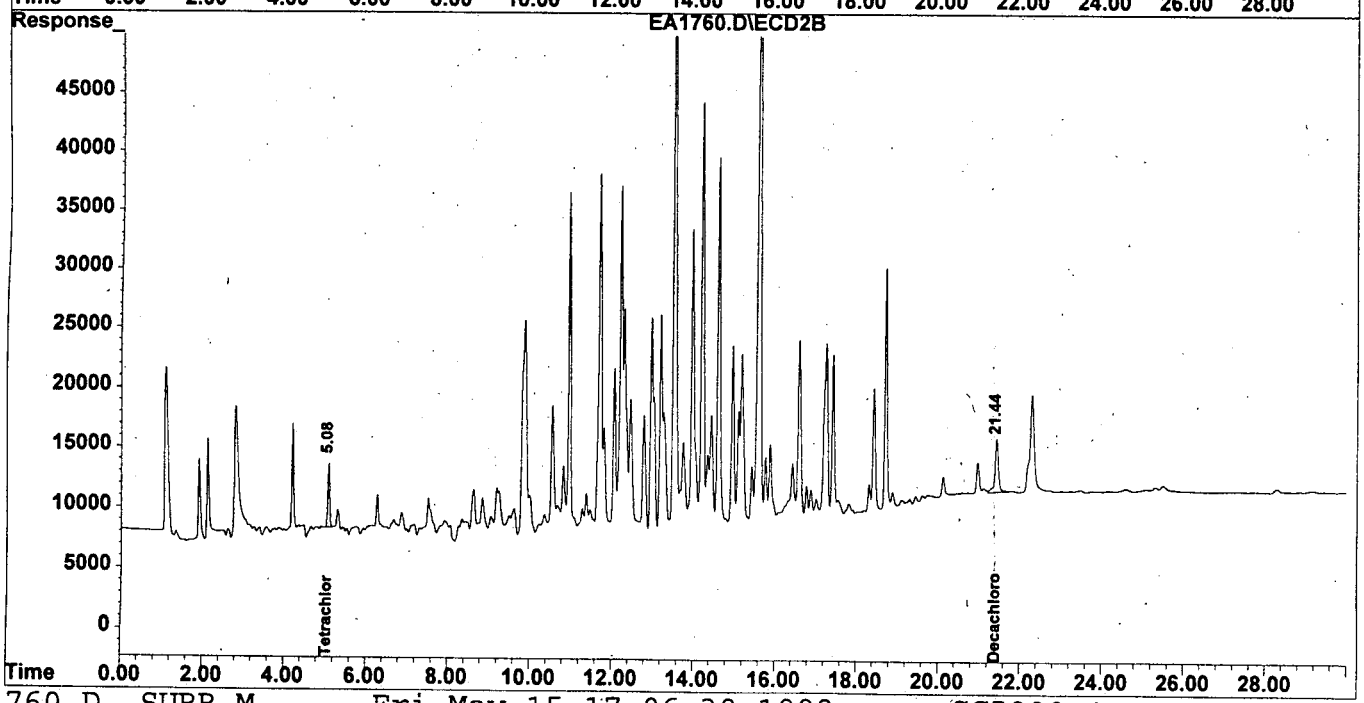
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1760.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\WESTDA~1\EA1760.D\ECD2B.CH
Acq On : 13 Dec 97 20:49 Operator:
Sample : 278200 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:50 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278201
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	39.41%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	55	28
Aroclor-1221	U	U	110	77
Aroclor-1232	U	U	55	44
Aroclor-1242	U	U	55	28
Aroclor-1248	U	U	55	33
Aroclor-1254	980	U	55	38
Aroclor-1260	U	U	55	44

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD2B.CH
Acq On : 12 Dec 97 6:01 Operator:
Sample : 278201 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	615292	843842	44.723	42.429	
Spiked Amount 40.000 Range 43 - 150 Recovery =					111.81%	106.07%	
2) SA Decachlorobiphen	25.90	21.44	1171145	1052523	50.335	48.437	
Spiked Amount 40.000 Range 24 - 154 Recovery =					125.84%	121.09%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	359608	0	1080.554	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.59	132494	121294	195.425	139.279	#
5) L1 Aroclor-1016{3}	10.56	8.86	146179	268737	114.470	144.808	#
6) L1 Aroclor-1016{4}	11.01	9.23	42268	206480	95.584	244.809	#
7) L1 Aroclor-1016{5}	12.55	10.56	261349	428878	400.343	509.090	#
Sum Aroclor-1016			941899	1025389	1886.376	1037.986	
Average Aroclor-1016					377.275	259.497	
8) L2 Aroclor-1221{1}	5.20	5.94	63415	42716	489.071	156.424	#
9) L2 Aroclor-1221{2}	7.45	0.00	29864	0	314.726	N.D.	#
11) L2 Aroclor-1221{4}	8.00	8.86	359608	268737	881.629	1956.617	#
Sum Aroclor-1221			452888	311453	1685.426	2113.041	
Average Aroclor-1221					561.809	1056.520	
12) L3 Aroclor-1232{1}	8.00	0.00	359608	0	1240.912	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.59	132494	121294	426.643	330.442	
14) L3 Aroclor-1232{3}	10.56	8.86	146179	268737	287.434	357.173	
15) L3 Aroclor-1232{4}	12.55	9.23	261349	206480	828.627	612.044	#
16) L3 Aroclor-1232{5}	13.47	10.56	450459	428878	1985.800	1125.038	#
Sum Aroclor-1232			1350090	1025389	4769.416	2424.697	
Average Aroclor-1232					953.883	606.174	
17) L4 Aroclor-1242{1}	8.00	0.00	359608	0	1379.821	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.59	132494	121294	246.456	186.926	
19) L4 Aroclor-1242{3}	10.56	8.86	146179	268737	150.386	192.673	#
20) L4 Aroclor-1242{4}	11.01	9.23	42268	206480	127.409	337.436	#
21) L4 Aroclor-1242{5}	12.55	10.56	261349	428878	468.982	648.380	#
Sum Aroclor-1242			941899	1025389	2373.055	1365.415	
Average Aroclor-1242					474.611	341.354	

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1735.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDATA\EA1735.D\ECD2B.CH
Acq On : 12 Dec 97 6:01 Operator:
Sample : 278201 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:36 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	615292	891532	43.260	41.175
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.15%	102.94%
2) SA Decachlorobiphen	25.90	21.44	1172378	1336855	49.846	58.599
Spiked Amount 40.000 Range 24 - 154 Recovery =					124.62%	146.50%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD2B.CH
Acq On : 12 Dec 97 6:01 Operator:
Sample : 278201 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22) L5	Aroclor-1248{1}	9.36	7.59	132494	121294	460.831	340.744	#
23) L5	Aroclor-1248{2}	10.56	8.86	146179	268737	174.259	221.635	#
24) L5	Aroclor-1248{3}	12.55	10.56	261349	428878	343.637	456.440	#
25) L5	Aroclor-1248{4}	13.47	10.83	450459	383999	634.193	442.721	#
26) L5	Aroclor-1248{5}	15.63	13.54	2572210	3192242	7748.522	9019.589	
Sum	Aroclor-1248			3562692	4395150	9361.442	10481.129	
Average	Aroclor-1248					1872.288	2096.226	
						np	np	
27) L6	Aroclor-1254{1}	11.63	9.88	287807	821765	769.280	1333.201	#
28) L6	Aroclor-1254{2}	13.82	11.72	1099833	1546593	1853.420	1252.118	#
29) L6	Aroclor-1254{3}	15.63	12.24	2572210	1004242	1979.634	1016.211	#
30) L6	Aroclor-1254{4}	16.55	13.54	2203129	3192242	3527.605	2279.831	#
31) L6	Aroclor-1254{5}	17.77	15.62	3555077	4207525	2931.081	3062.949	
Sum	Aroclor-1254			9718056	10772367	11061.019	8944.310	
Average	Aroclor-1254					2212.204	1788.862	
32) L7	Aroclor-1260{1}	16.17	13.99	1326667	1719278	1365.563	1567.076	
33) L7	Aroclor-1260{2}	16.55	14.63	2203129	1962565	1868.803	1347.998	#
34) L7	Aroclor-1260{3}	18.96	15.62	1131643	4207525	1364.018	2217.028	#
35) L7	Aroclor-1260{4}	19.50	17.44	1074074	1031533	560.402	462.610	
36) L7	Aroclor-1260{5}	0.00	18.45	0	983763	N.D.	603.977	#
Sum	Aroclor-1260			5735514	9904665	5158.786	6198.690	
Average	Aroclor-1260					1289.697	1239.738	
						np	np	

GC 484

JPG 12/13/02

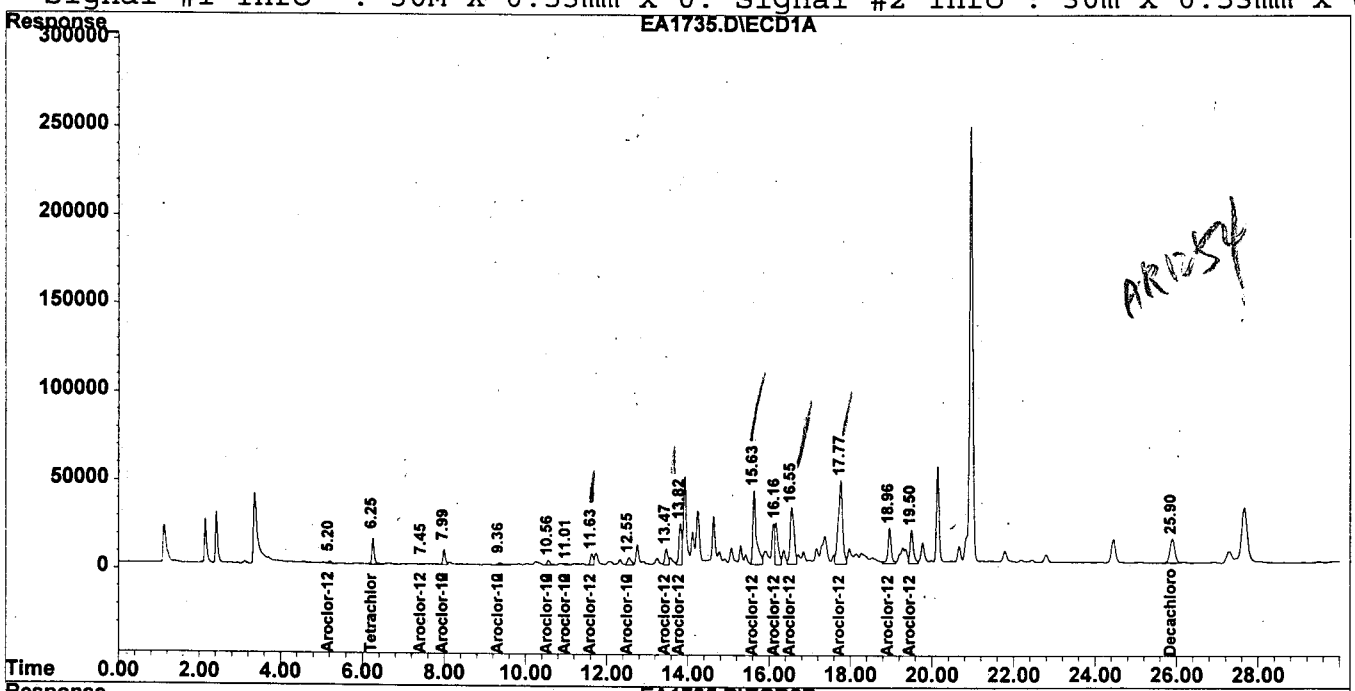
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_E\EA1735.D\ECD2B.CH
Acq On : 12 Dec 97 6:01 Operator:
Sample : 278201 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:23 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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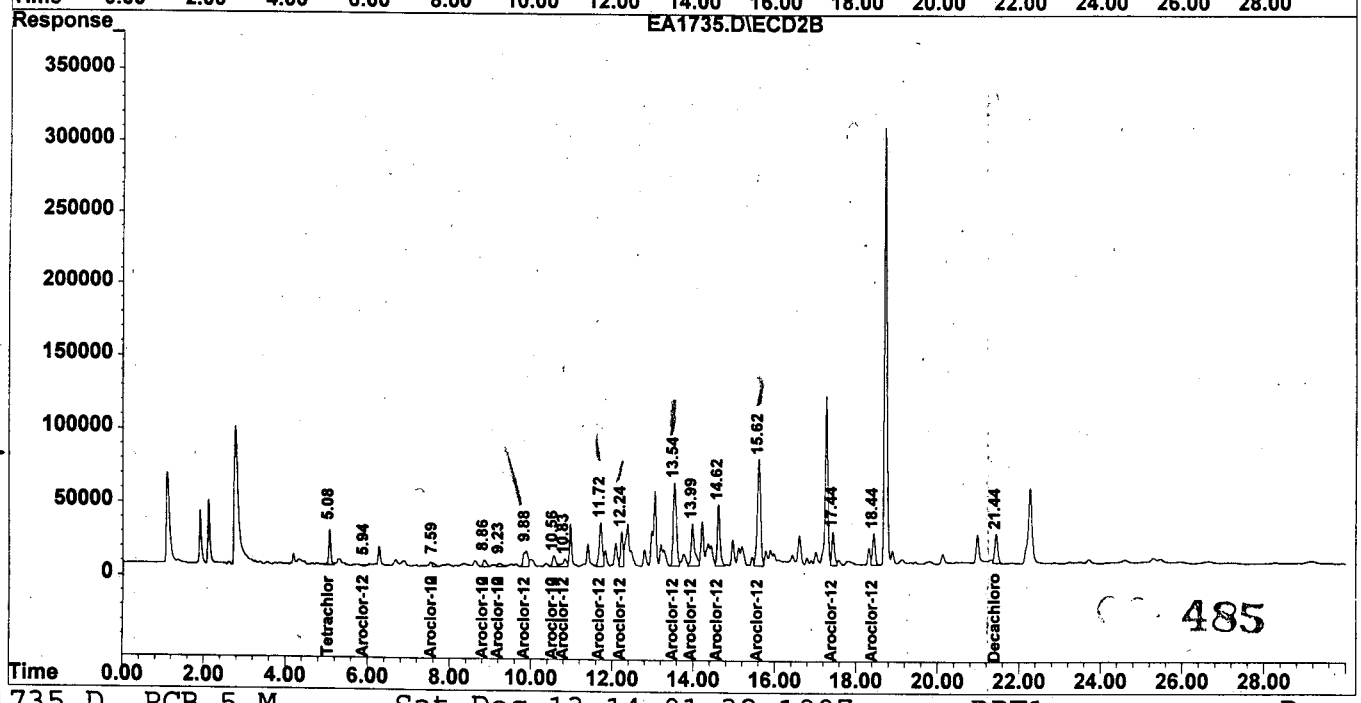

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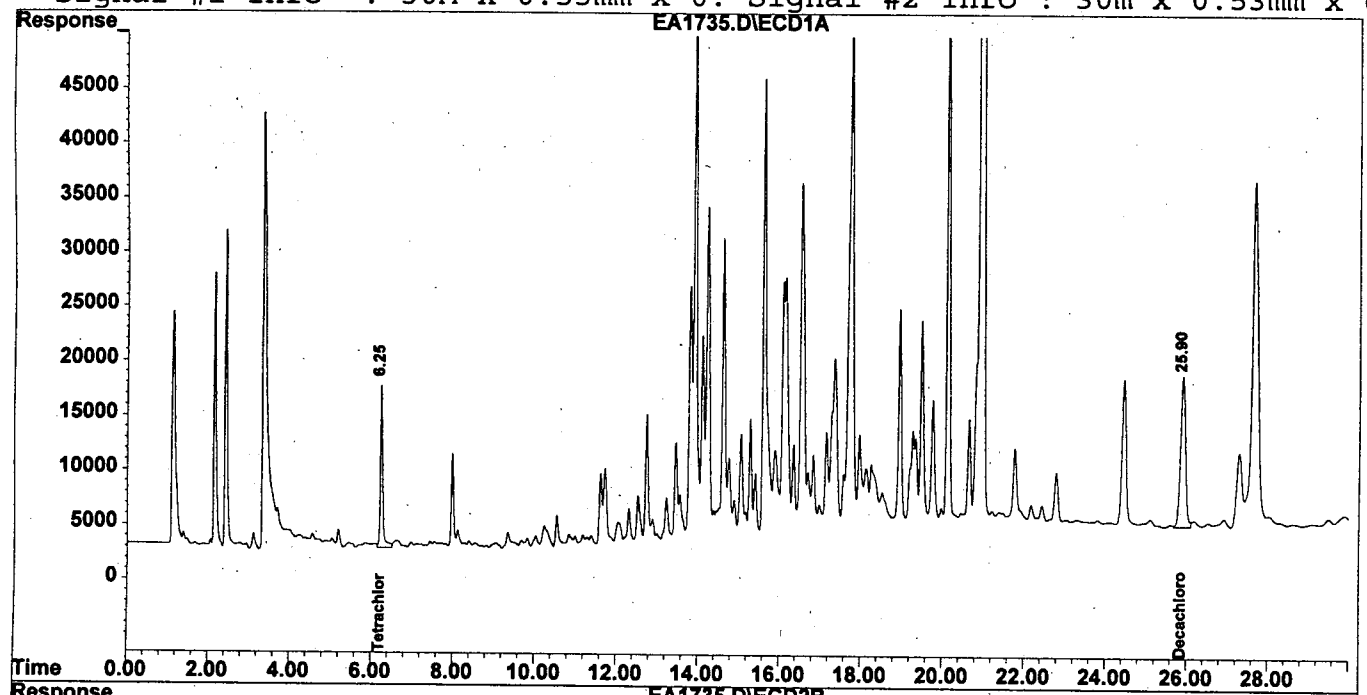
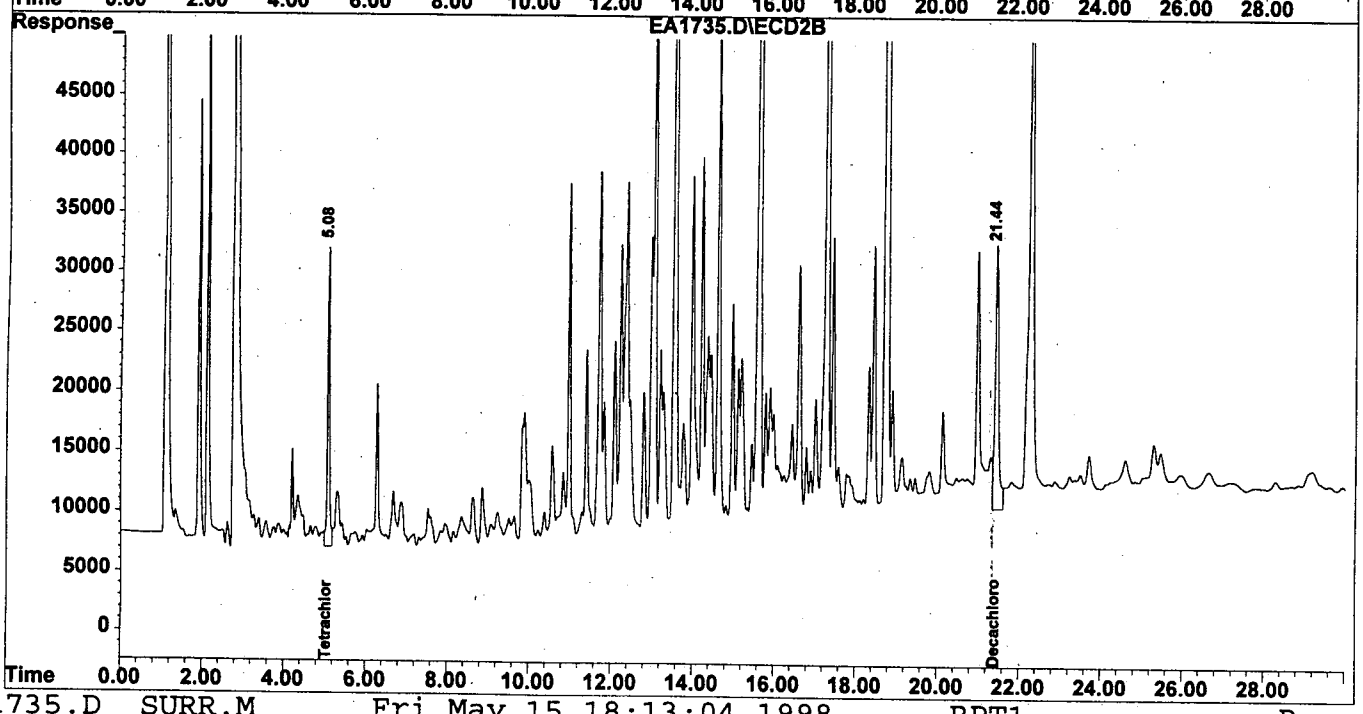
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1735.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDATA\EA1735.D\ECD2B.CH
Acq On : 12 Dec 97 6:01 Operator:
Sample : 278201 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:36 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278202
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKSD1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	30.31%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	480	240
Aroclor-1221	U	U	960	670
Aroclor-1232	U	U	480	380
Aroclor-1242	U	U	480	240
Aroclor-1248	U	U	480	290
Aroclor-1254	5400	U	480	330
Aroclor-1260	U	U	480	380

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD2B.CH
Acq On : 13 Dec 97 21:23 Operator:
Sample : 278202 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	62702	98144	4.558	4.935
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.40%#	12.34%#
2) SA Decachlorobiphen	25.89	21.44	112647	117820	4.842	5.422
Spiked Amount 40.000 Range 24 - 154 Recovery =					12.11%#	13.56%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	488201	0	1466.950	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	15763	178251	23.250	204.681 #
5) L1 Aroclor-1016{3}	10.56	8.86	41656	83148	32.620	44.804 #
6) L1 Aroclor-1016{4}	0.00	9.25	0	80879	N.D.	95.893 #
7) L1 Aroclor-1016{5}	12.55	10.56	99173	298935	151.917	354.844 #
Sum Aroclor-1016			644793	641213	1674.737	700.222
Average Aroclor-1016					418.684	175.055
8) L2 Aroclor-1221{1}	5.20	0.00	13318	0	102.714	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	488201	83148	1196.892	605.383 #
Sum Aroclor-1221			501519	83148	1299.606	605.383
Average Aroclor-1221					649.803	605.383
12) L3 Aroclor-1232{1}	7.99	0.00	488201	0	1684.651	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	15763	178251	50.757	485.611 #
14) L3 Aroclor-1232{3}	10.56	8.86	41656	83148	81.909	110.510 #
15) L3 Aroclor-1232{4}	12.55	9.25	99173	80879	314.437	239.740
16) L3 Aroclor-1232{5}	13.47	10.56	268282	298935	1182.690	784.168 #
Sum Aroclor-1232			913075	641213	3314.444	1620.030
Average Aroclor-1232					662.889	405.007
17) L4 Aroclor-1242{1}	7.99	0.00	488201	0	1873.233	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	15763	178251	29.321	274.702 #
19) L4 Aroclor-1242{3}	10.56	8.86	41656	83148	42.855	59.613 #
20) L4 Aroclor-1242{4}	0.00	9.25	0	80879	N.D.	132.175 #
21) L4 Aroclor-1242{5}	12.55	10.56	99173	298935	177.963	451.931 #
Sum Aroclor-1242			644793	641213	2123.372	918.421
Average Aroclor-1242					530.843	229.605

CC 487

12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1761.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\WESTDA~1\EA1761.D\ECD2B.CH
Acq On : 13 Dec 97 21:23 Operator:
Sample : 278202 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:44 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	62702	94515	4.408	4.365
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.02%#	10.91%#
2) SA Decachlorobiphen	25.89	21.44	111030	118375	4.721	5.189
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.80%#	12.97%#

Target Compounds

7/31/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD2B.CH
Acq On : 13 Dec 97 21:23 Operator:
Sample : 278202 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.59	15763	178251	54.825	500.749	#
23)	L5 Aroclor-1248{2}	10.56	8.86	41656	83148	49.658	68.575	#
24)	L5 Aroclor-1248{3}	12.55	10.56	99173	298935	130.399	318.146	#
25)	L5 Aroclor-1248{4}	13.47	10.83	268282	118544	377.709	136.672	#
26)	L5 Aroclor-1248{5}	15.63	13.54	1693002	2288172	5099.998	6465.165	#
	Sum Aroclor-1248			2117876	2967049	5712.588	7489.307	
	Average Aroclor-1248					1142.518	1497.861	
27)	L6 Aroclor-1254{1}	11.63	9.85	146465	179878	391.487	291.827	m#
28)	L6 Aroclor-1254{2}	13.81	11.71	1048055	1044135	1766.165	845.329	#
29)	L6 Aroclor-1254{3}	15.63	12.23	1693002	893959	1302.974	904.613	#
30)	L6 Aroclor-1254{4}	16.55	13.54	1285580	2288172	2058.445	1634.163	
31)	L6 Aroclor-1254{5}	17.77	15.61	1961018	2697213	1616.815	1963.488	
	Sum Aroclor-1254			6134121	7103357	7135.886	5639.421	
	Average Aroclor-1254					1427.177	1127.884	
32)	L7 Aroclor-1260{1}	16.16	13.98	811584	1142428	835.378	1041.293	
33)	L7 Aroclor-1260{2}	16.55	14.62	1285580	1267019	1090.493	870.258	
34)	L7 Aroclor-1260{3}	18.96	15.61	494811	2697213	596.417	1421.215	#
35)	L7 Aroclor-1260{4}	19.50	17.44	453160	471752	236.438	211.566	
36)	L7 Aroclor-1260{5}	20.83	18.44	345771	372008	221.274	228.393	
	Sum Aroclor-1260			3390906	5950419	2980.000	3772.724	
	Average Aroclor-1260					596.000	754.545	

Dm 12/15/97

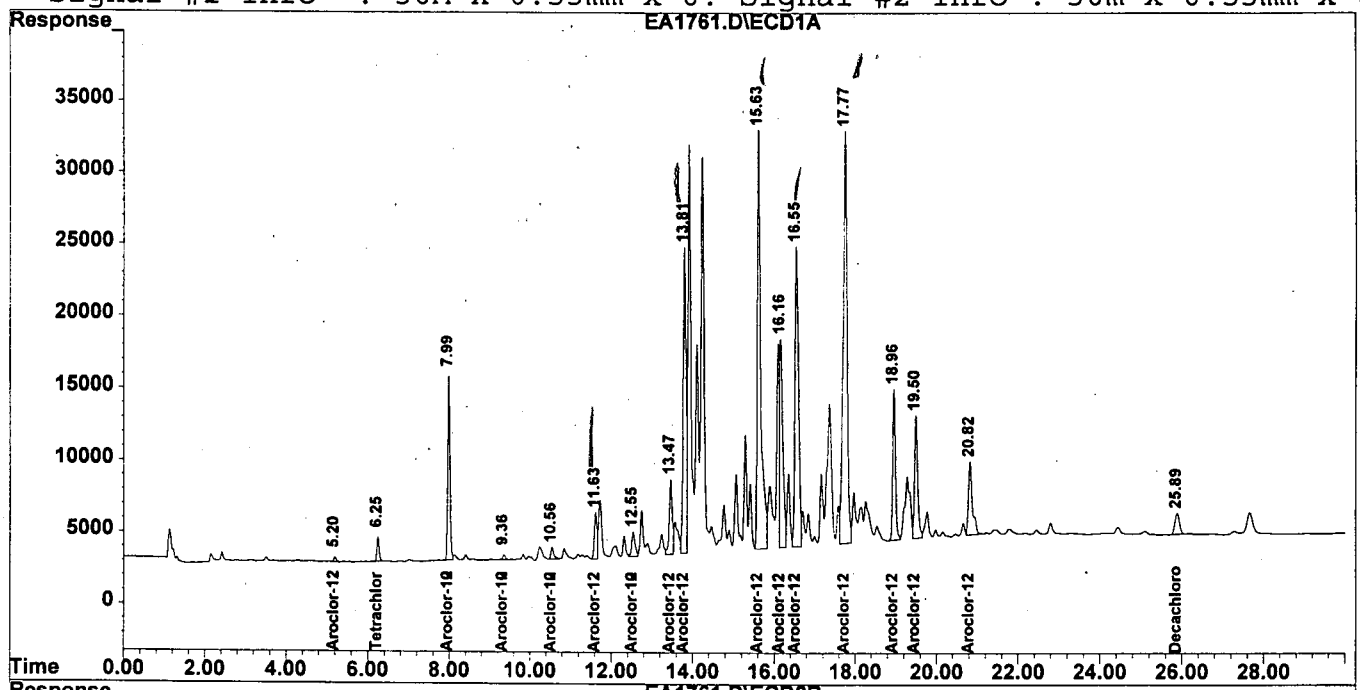
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

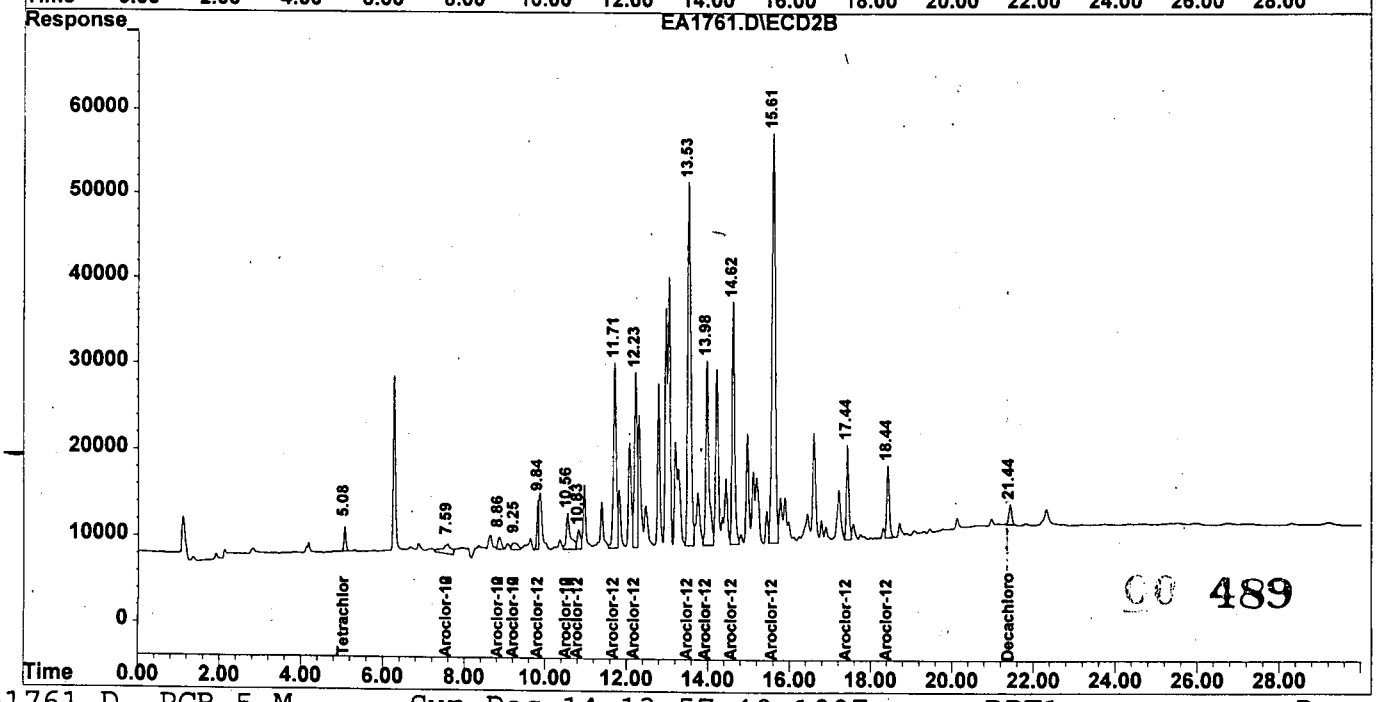
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1761.D\ECD2B.CH
Acq On : 13 Dec 97 21:23 Operator:
Sample : 278202 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:37 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CO 489

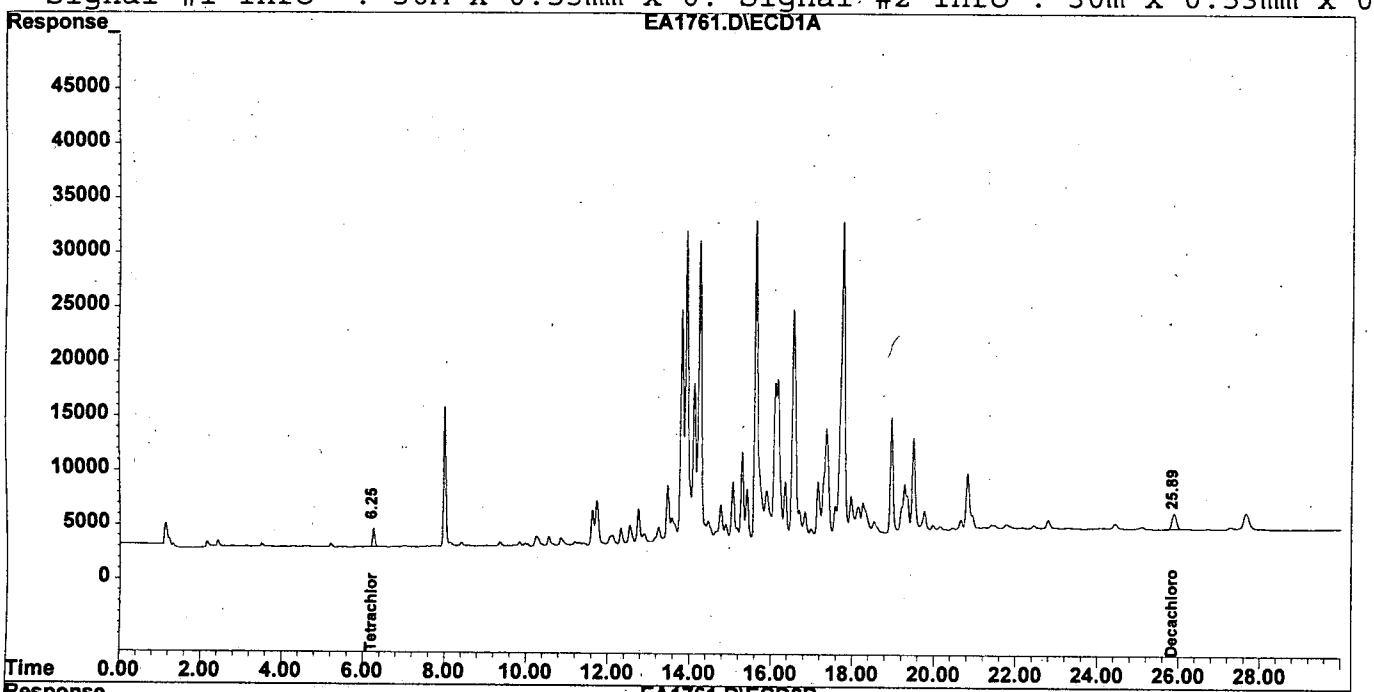
Quantitation Report

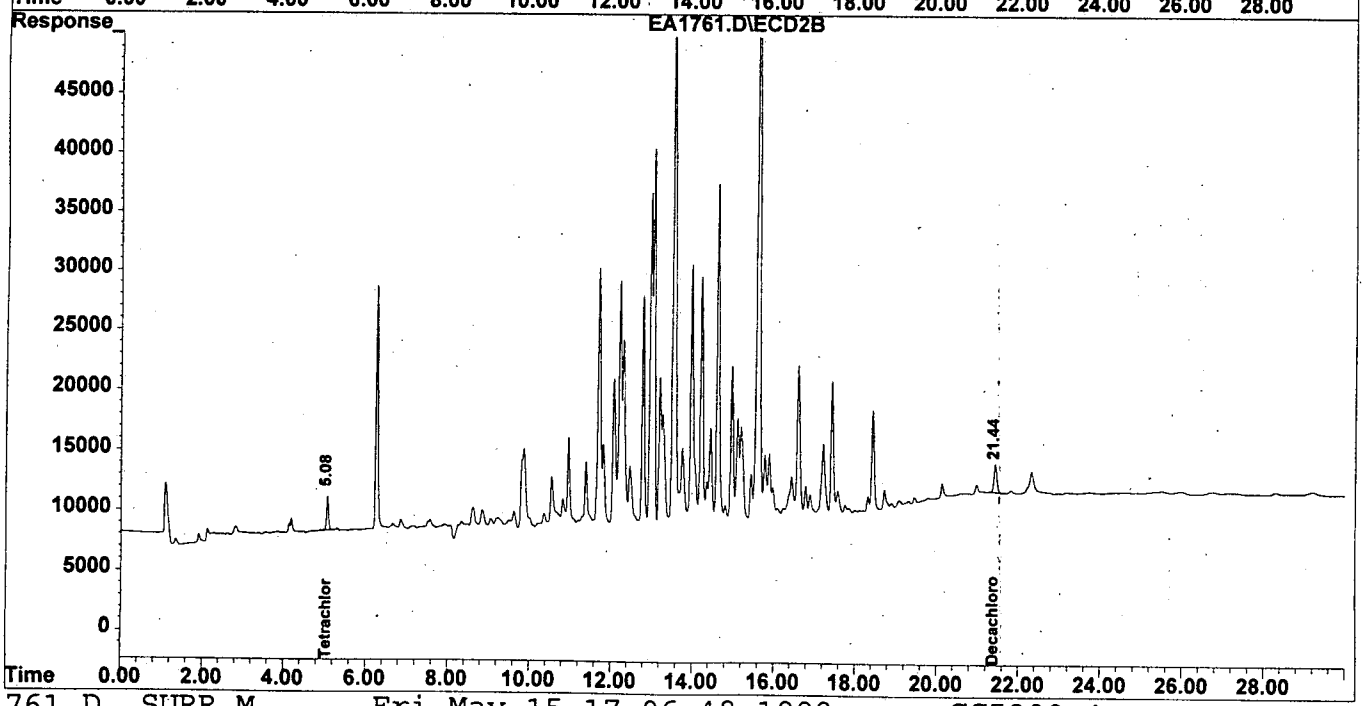
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1761.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\WESTDA~1\EA1761.D\ECD2B.CH
Acq On : 13 Dec 97 21:23 Operator:
Sample : 278202 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:44 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278203
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: LLLLSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	41.35%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	57	28
Aroclor-1221	U	U	110	80
Aroclor-1232	U	U	57	45
Aroclor-1242	U	U	57	28
Aroclor-1248	U	U	57	34
Aroclor-1254	190	U	57	40
Aroclor-1260	U	U	57	45

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD2B.CH
Acq On : 12 Dec 97 7:07 Operator:
Sample : 278203 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:57 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.24	5.07	604746	911597	43.957	45.836	
Spiked Amount 40.000 Range 43 - 150 Recovery =					109.89%	114.59%	
2) SA Decachlorobiphen	25.87	21.42	1004932	968737	43.191m	44.581	
Spiked Amount 40.000 Range 24 - 154 Recovery =					107.98%	111.45%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.98	0.00	18340	0	55.108	N.D.	#
4) L1 Aroclor-1016{2}	9.35	7.64	57124	47728	84.257	54.805	#
5) L1 Aroclor-1016{3}	10.55	8.86	18666	196591	14.617	105.932	#
6) L1 Aroclor-1016{4}	0.00	9.22	0	133984	N.D.	158.855	#
7) L1 Aroclor-1016{5}	12.53	10.55	42640	323895	65.317	384.473	#
Sum Aroclor-1016			136770	702198	219.299	704.065	
Average Aroclor-1016					54.825	176.016	
					NP	NP	
9) L2 Aroclor-1221{2}	7.43	0.00	7537	0	79.433	N.D.	#
11) L2 Aroclor-1221{4}	7.98	8.86	18340	196591	44.963	1431.337	#
Sum Aroclor-1221			25877	196591	124.396	1431.337	
Average Aroclor-1221					62.198	1431.337	
					NP	NP	
13) L3 Aroclor-1232{2}	9.35	7.64	57124	47728	183.945	130.027	#
14) L3 Aroclor-1232{3}	10.55	8.86	18666	196591	36.703	261.285	#
15) L3 Aroclor-1232{4}	12.53	9.22	42640	133984	135.192	397.152	#
16) L3 Aroclor-1232{5}	13.45	10.55	117150	323895	516.442	849.646	#
Sum Aroclor-1232			235580	702198	872.283	1638.109	
Average Aroclor-1232					218.071	409.527	
					NP	NP	
18) L4 Aroclor-1242{2}	9.35	7.64	57124	47728	106.259	73.554	#
19) L4 Aroclor-1242{3}	10.55	8.86	18666	196591	19.203	140.947	#
20) L4 Aroclor-1242{4}	0.00	9.22	0	133984	N.D.	218.960	#
21) L4 Aroclor-1242{5}	12.53	10.55	42640	323895	76.515	489.667	#
Sum Aroclor-1242			118430	702198	201.977	923.128	
Average Aroclor-1242					67.326	230.782	
					NP	NP	
22) L5 Aroclor-1248{1}	9.35	7.64	57124	47728	198.685	134.080	#
23) L5 Aroclor-1248{2}	10.55	8.86	18666	196591	22.252	162.134	#
					NP	NP	

DP 12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1737.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDATA\EA1737.D\ECD2B.CH
Acq On : 12 Dec 97 7:07 Operator:
Sample : 278203 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:43 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.07	604746	934446	42.518	43.157
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.30%	107.89%
2) SA Decachlorobiphen	25.87	21.42	1072288	983220	45.591m	43.098m
Spiked Amount 40.000 Range 24 - 154 Recovery =					113.98%	107.75%
Target Compounds						

5/18/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

492A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD2B.CH
Acq On : 12 Dec 97 7:07 Operator:
Sample : 278203 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:57 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
24)	L5 Aroclor-1248{3}	12.53	10.55	42640	323895	56.065	344.711 #
25)	L5 Aroclor-1248{4}	13.45	10.82	117150	111620	164.933	128.689
26)	L5 Aroclor-1248{5}	15.61	13.53	423366	579851	1275.347	1638.352 #
	Sum Aroclor-1248			658946	1259685	1717.282	2407.966
	Average Aroclor-1248					343.456	481.593
						NP	NP
27)	L6 Aroclor-1254{1}	11.61	9.84	63629	79518	170.074	129.007m
28)	L6 Aroclor-1254{2}	13.80	11.70	184660	329631	311.186m	266.868
29)	L6 Aroclor-1254{3}	15.61	12.22	423366	247401	325.832	250.350
30)	L6 Aroclor-1254{4}	16.53	13.53	344218	579851	551.155	414.117
31)	L6 Aroclor-1254{5}	17.75	15.60	591786	800037	487.914	582.402
	Sum Aroclor-1254			1607659	2036438	1846.162	1642.745
	Average Aroclor-1254					369.232	328.549
32)	L7 Aroclor-1260{1}	16.14	13.97	214745	344391	221.041	313.904 #
33)	L7 Aroclor-1260{2}	16.53	14.61	344218	492129	291.983	338.022
34)	L7 Aroclor-1260{3}	18.95	15.60	156113	800037	188.170	421.555 #
35)	L7 Aroclor-1260{4}	19.48	17.43	282957	155321	147.634	69.656 #
36)	L7 Aroclor-1260{5}	20.81	18.43	79302	161048	50.749	98.875 #
	Sum Aroclor-1260			1077336	1952926	899.577	1242.012
	Average Aroclor-1260					179.915	248.402
						NP	NP

00 492

70 = 12/13/97

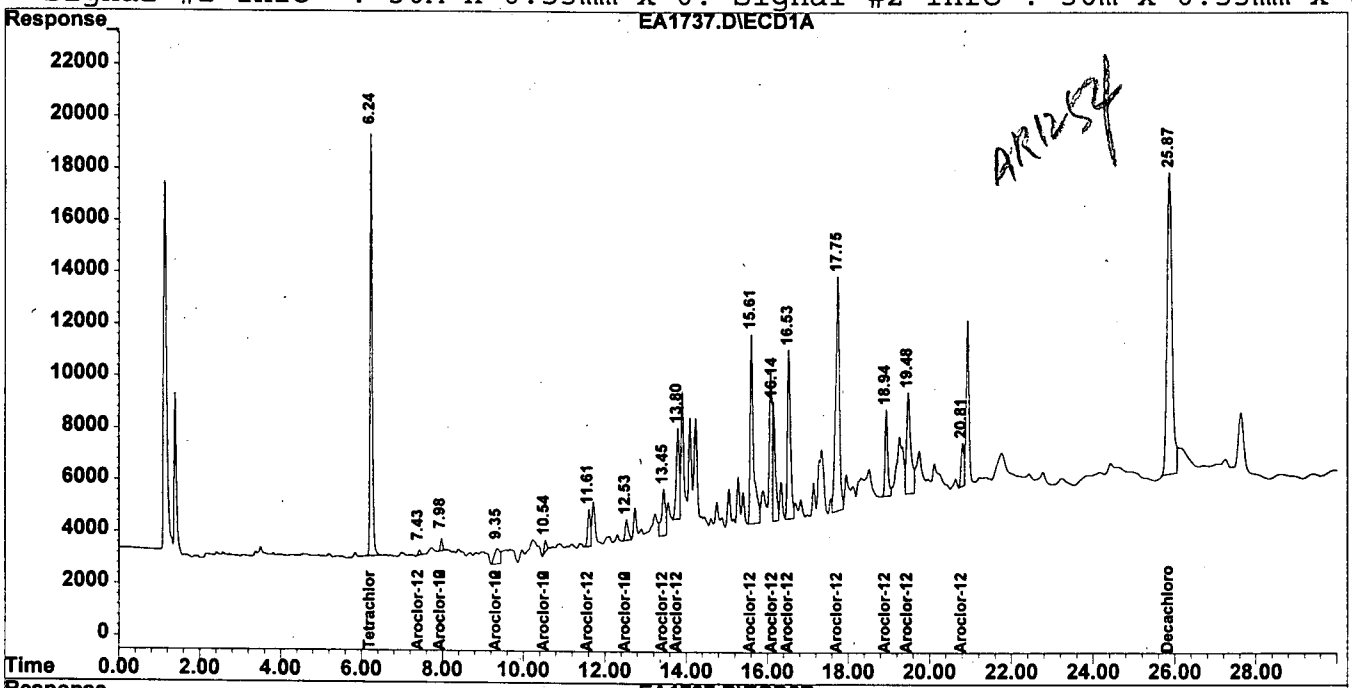
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

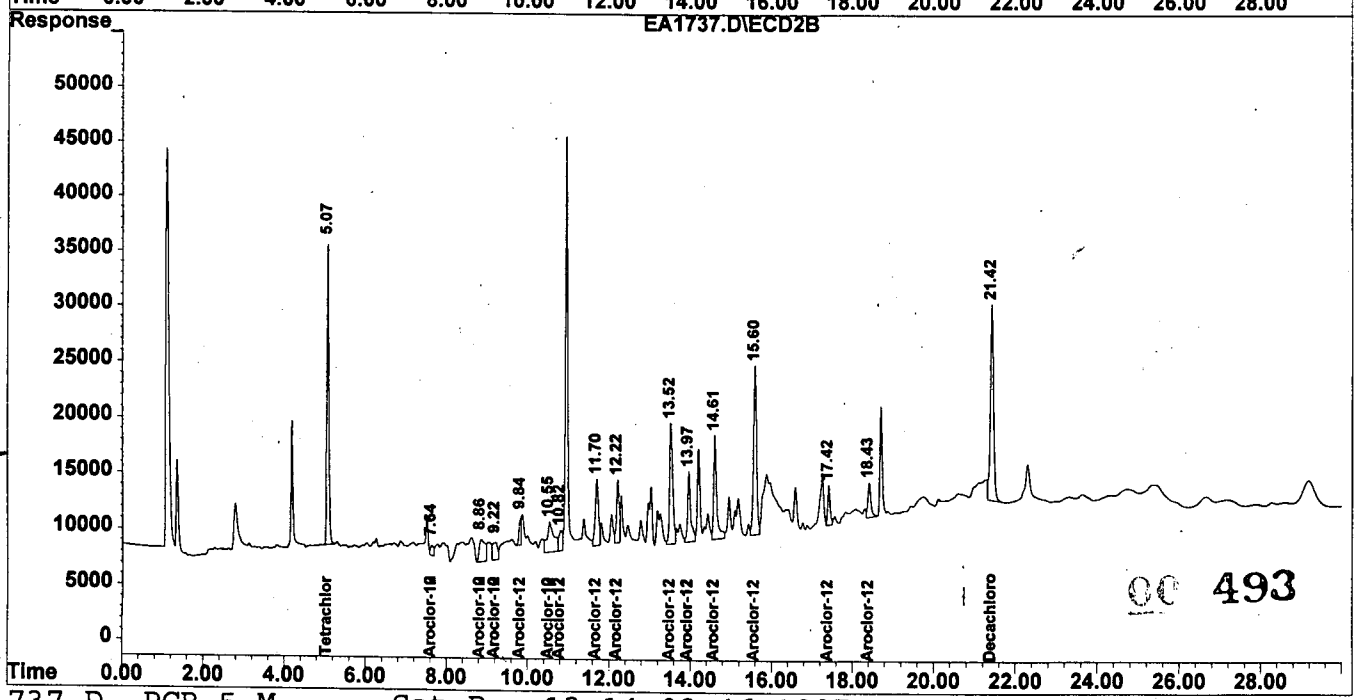
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_E\EA1737.D\ECD2B.CH
Acq On : 12 Dec 97 7:07 Operator:
Sample : 278203 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:57 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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Quantitation Report

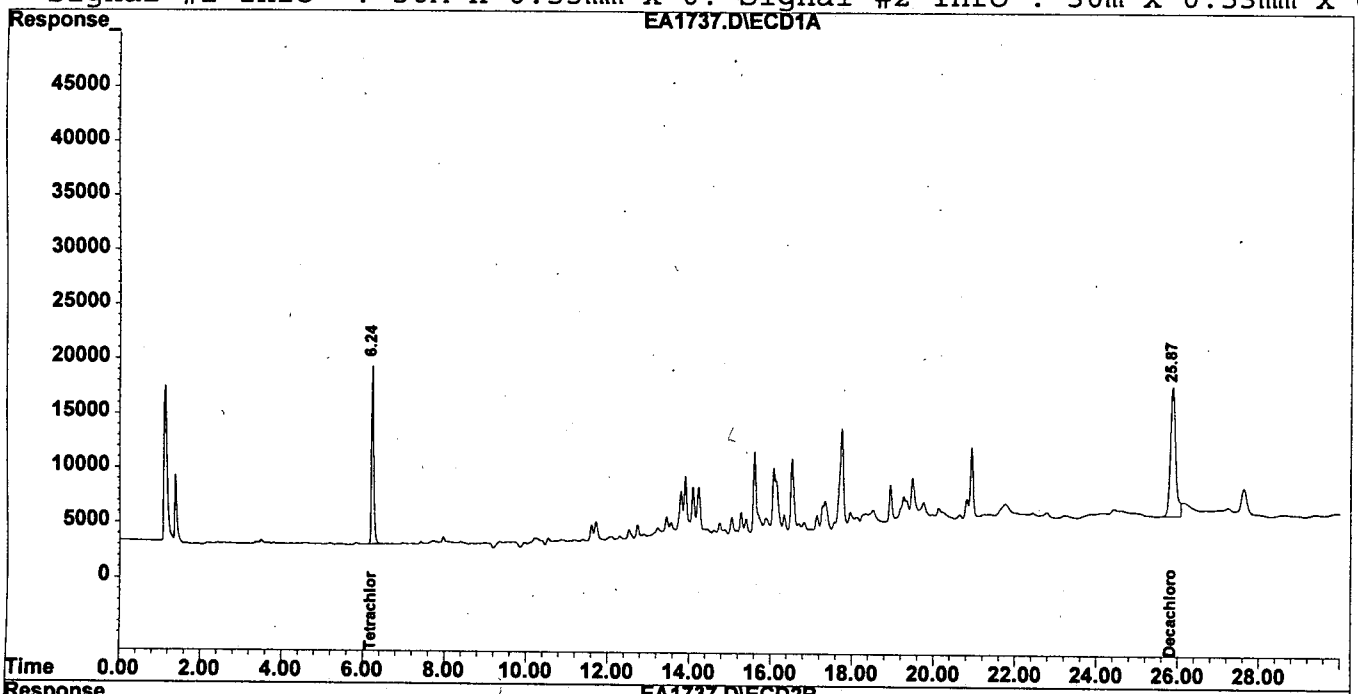
AMENDED REPORT MAY 30 1998

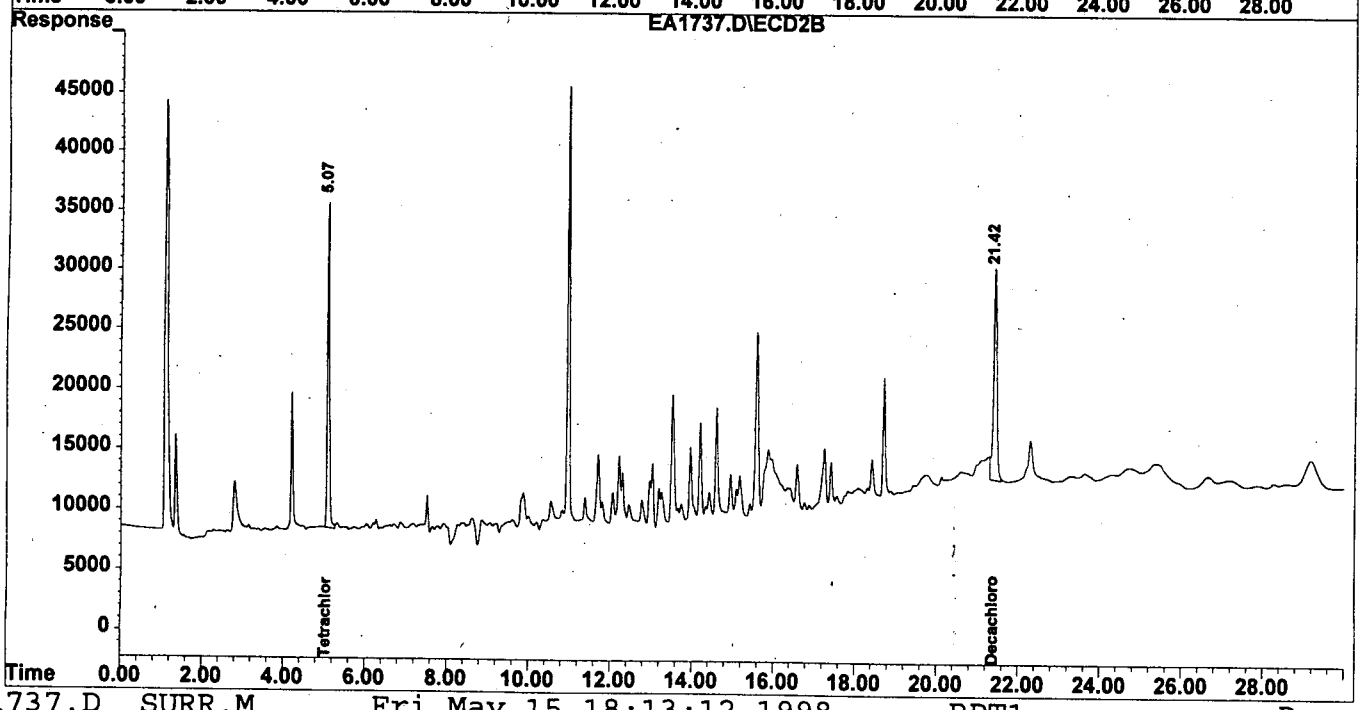
Signal #1 : E:\WESTDATA\EA1737.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1737.D\ECD2B.CH
Acq On : 12 Dec 97 7:07
Sample : 278203
Misc : QPC7394
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:43 1998 Quant Results File: SURR.RES

Vial: 33
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





493A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278204
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: LLLLSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	25.78%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	45	22
Aroclor-1221	U	U	90	63
Aroclor-1232	U	U	45	36
Aroclor-1242	U	U	45	22
Aroclor-1248	U	U	45	27
Aroclor-1254	180	U	45	31
Aroclor-1260	U	U	45	36

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD2B.CH
Acq On : 12 Dec 97 20:12 Operator:
Sample : 278204 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	593670	851415	43.152	42.810	
Spiked Amount 40.000 Range 43 - 150 Recovery =					107.88%	107.03%	
2) SA Decachlorobiphen	25.88	21.43	1085195	980136	46.641	45.106m	
Spiked Amount 40.000 Range 24 - 154 Recovery =					116.60%	112.77%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	0.00	48778	0	146.568	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.65	27956	59927	41.235	68.813	#
5) L1 Aroclor-1016{3}	10.56	8.86	31122	108162	24.371	58.282	#
6) L1 Aroclor-1016{4}	0.00	9.20	0	113251	N.D.	134.274	#
7) L1 Aroclor-1016{5}	12.55	10.56	88594	203650	135.712	241.738	#
Sum Aroclor-1016			196450	484989	347.886	503.107	
Average Aroclor-1016					86.971	125.777	
8) L2 Aroclor-1221{1}	5.21	5.94	15360	41846	118.464	153.239	#
11) L2 Aroclor-1221{4}	7.99	8.86	48778	108162	119.586	787.502	#
Sum Aroclor-1221			64138	150008	238.050	940.741	
Average Aroclor-1221					119.025	470.370	
12) L3 Aroclor-1232{1}	7.99	0.00	48778	0	168.320	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.65	27956	59927	90.022	163.259	#
14) L3 Aroclor-1232{3}	10.56	8.86	31122	108162	61.195	143.755	#
15) L3 Aroclor-1232{4}	12.55	9.20	88594	113251	280.895	335.696	
16) L3 Aroclor-1232{5}	13.46	10.56	145477	203650	641.321	534.216	
Sum Aroclor-1232			341928	484989	1241.753	1176.927	
Average Aroclor-1232					248.351	294.232	
17) L4 Aroclor-1242{1}	7.99	0.00	48778	0	187.162	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.65	27956	59927	52.003	92.353	#
19) L4 Aroclor-1242{3}	10.56	8.86	31122	108162	32.017	77.547	#
20) L4 Aroclor-1242{4}	0.00	9.20	0	113251	N.D.	185.078	#
21) L4 Aroclor-1242{5}	12.55	10.56	88594	203650	158.979	307.879	#
Sum Aroclor-1242			196450	484989	430.161	662.857	
Average Aroclor-1242					107.540	165.714	

00 495

12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1752.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\WESTDA~1\EA1752.D\ECD2B.CH
Acq On : 12 Dec 97 20:12 Operator:
Sample : 278204 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:41 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	593670	879951	41.740	40.640
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.35%	101.60%
2) SA Decachlorobiphen	25.88	21.43	1089536	1316856	46.324	57.722
Spiked Amount 40.000 Range 24 - 154 Recovery =					115.81%	144.31%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD2B.CH
Acq On : 12 Dec 97 20:12 Operator:
Sample : 278204 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.65	27956	59927	97.236	168.349	#
23)	L5 Aroclor-1248{2}	10.56	8.86	31122	108162	37.100	89.204	#
24)	L5 Aroclor-1248{3}	12.55	10.56	88594	203650	116.489	216.737	#
25)	L5 Aroclor-1248{4}	13.46	10.83	145477	172319	204.815	198.670	
26)	L5 Aroclor-1248{5}	15.63	13.54	531835	665673	1602.099	1880.839	
	Sum Aroclor-1248			824985	1209730	2057.738	2553.800	
	Average Aroclor-1248					411.548	510.760	
27)	L6 Aroclor-1254{1}	11.63	9.84	88387	87922	236.250	142.641m	#
28)	L6 Aroclor-1254{2}	13.82	11.72	271526	377597	457.571	305.702	#
29)	L6 Aroclor-1254{3}	15.63	12.23	531835	269306	409.313	272.515	#
30)	L6 Aroclor-1254{4}	16.55	13.54	382452	665673	612.373	475.409	
31)	L6 Aroclor-1254{5}	17.76	15.61	893292	1053154	736.499	766.664	
	Sum Aroclor-1254			2167491	2453651	2452.006	1962.931	
	Average Aroclor-1254					490.401	392.586	
32)	L7 Aroclor-1260{1}	16.16	13.98	230938	396706	237.709m	361.587	#
33)	L7 Aroclor-1260{2}	16.55	14.62	382452	541548	324.414	371.965	
34)	L7 Aroclor-1260{3}	18.96	15.61	215849	1053154	260.172	554.928	#
35)	L7 Aroclor-1260{4}	19.50	17.43	277534	263320	144.804	118.091	
36)	L7 Aroclor-1260{5}	20.83	18.44	149707	265547	95.804	163.032	#
	Sum Aroclor-1260			1256480	2520276	1062.904	1569.602	
	Average Aroclor-1260					212.581	313.920	

12/13/97

496

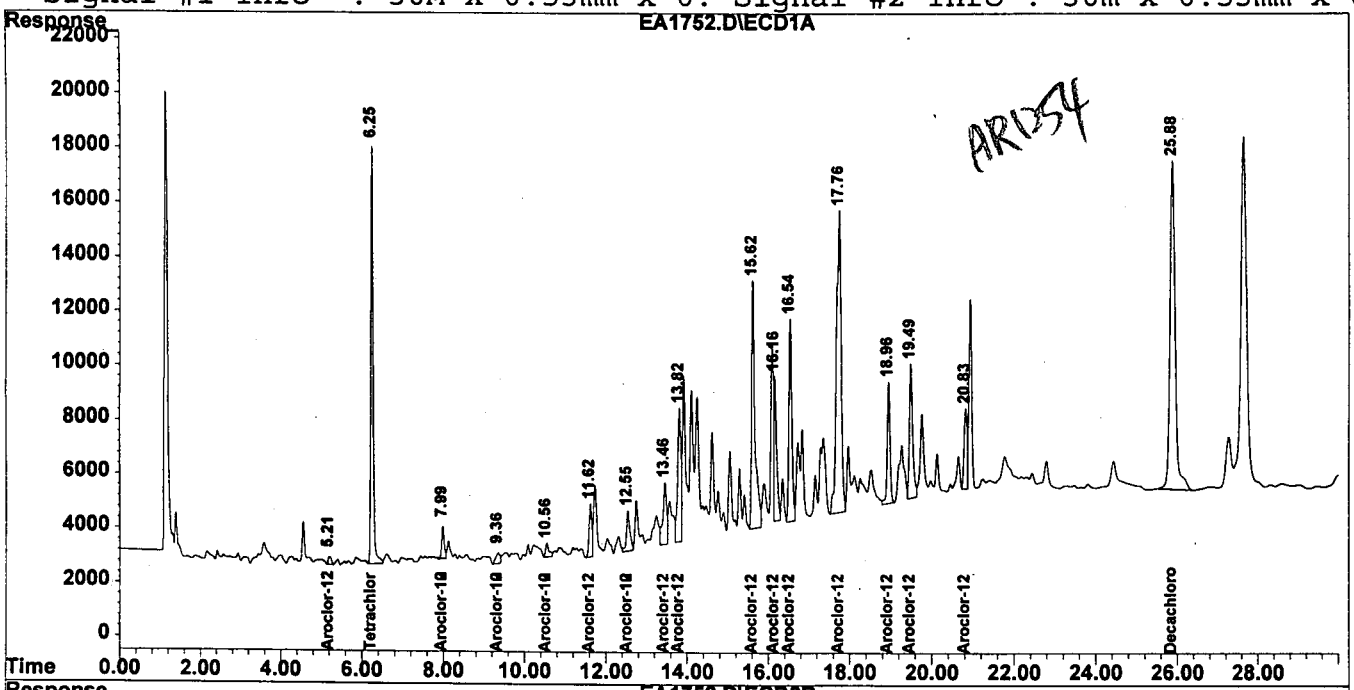
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

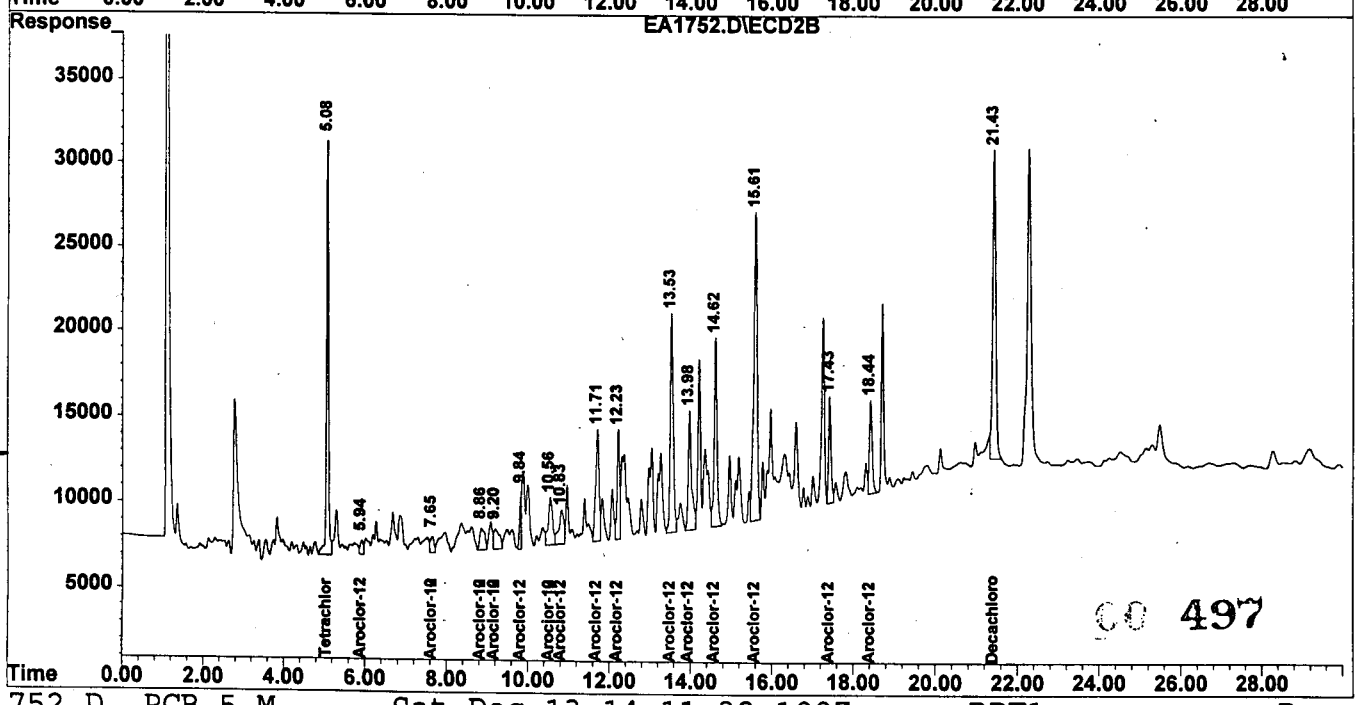
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA_E\EA1752.D\ECD2B.CH
Acq On : 12 Dec 97 20:12 Operator:
Sample : 278204 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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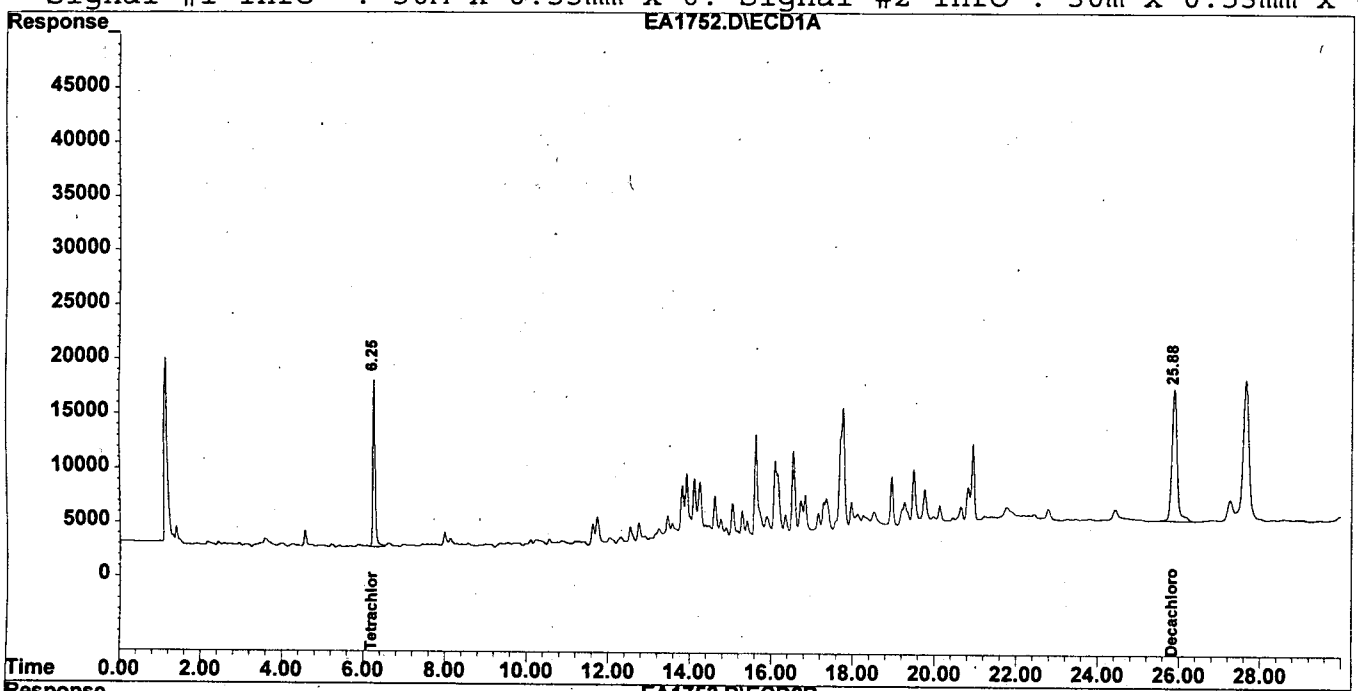
Quantitation Report

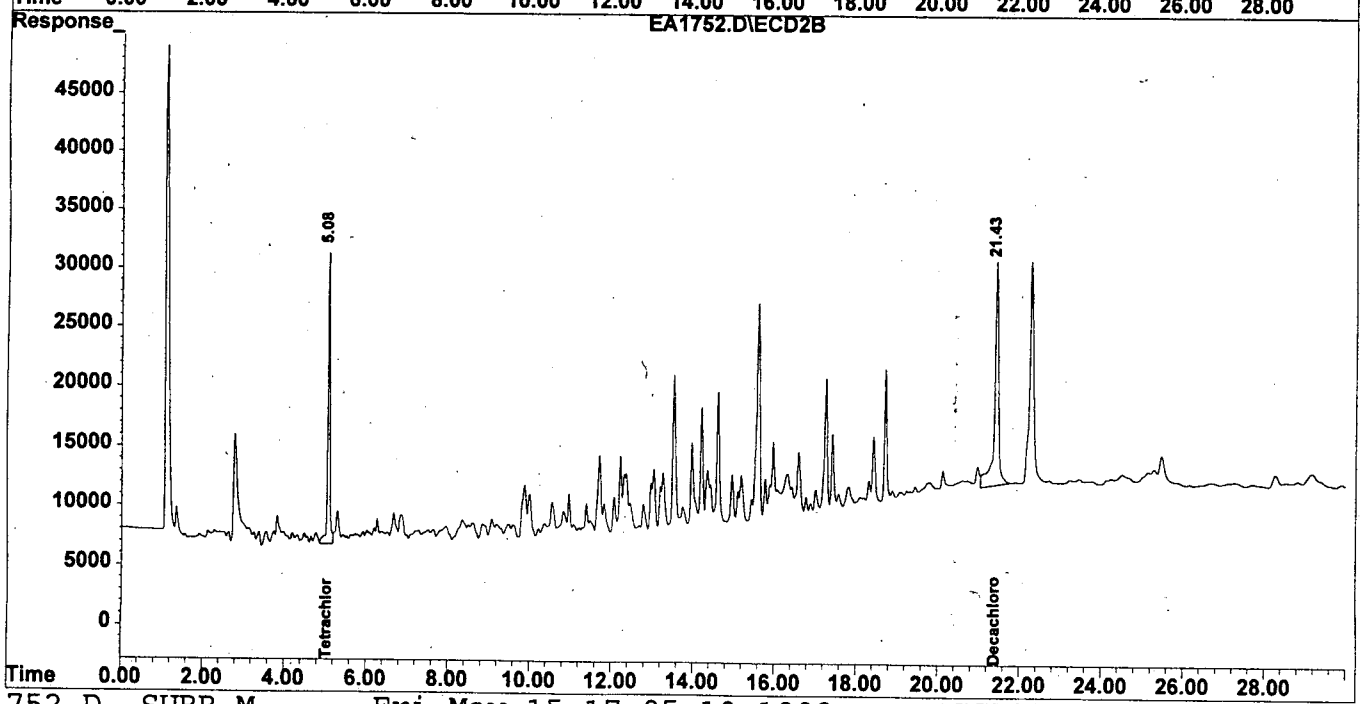
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1752.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\WESTDA~1\EA1752.D\ECD2B.CH
Acq On : 12 Dec 97 20:12 Operator:
Sample : 278204 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:41 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278205
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: MMMMSS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	27.31%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	230	110
Aroclor-1221	U	U	460	320
Aroclor-1232	U	U	230	180
Aroclor-1242	U	U	230	110
Aroclor-1248	U	U	230	140
Aroclor-1254	3600	U	230	160
Aroclor-1260	U	U	230	180

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD2B.CH
Acq On : 13 Dec 97 21:57 Operator:
Sample : 278205 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:38 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	130420	185908	9.480	9.348m
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.70%#	23.37%#
2) SA Decachlorobiphen	25.89	21.44	202781	205175	8.715	9.442
Spiked Amount 40.000 Range 24 - 154 Recovery =					21.79%#	23.61%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	67451	0	202.677	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.60	27991	36285	41.286	41.665
5) L1 Aroclor-1016{3}	10.56	8.86	97269	183715	76.169	98.994 #
6) L1 Aroclor-1016{4}	0.00	9.21	0	212204	N.D.	251.596 #
7) L1 Aroclor-1016{5}	12.55	10.56	189559	357490	290.372	424.351 #
Sum Aroclor-1016			382270	789694	610.505	816.606
Average Aroclor-1016					152.626	204.151
8) L2 Aroclor-1221{1}	5.20	0.00	18578	0	143.275	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	67451	183715	165.365	1337.591 #
Sum Aroclor-1221			86028	183715	308.640	1337.591
Average Aroclor-1221					154.320	1337.591
12) L3 Aroclor-1232{1}	7.99	0.00	67451	0	232.755	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.60	27991	36285	90.134	98.851
14) L3 Aroclor-1232{3}	10.56	8.86	97269	183715	191.262	244.172 #
15) L3 Aroclor-1232{4}	12.55	9.21	189559	212204	601.011	629.012
16) L3 Aroclor-1232{5}	13.47	10.56	219345	357490	966.958	937.772
Sum Aroclor-1232			601615	789694	2082.120	1909.806
Average Aroclor-1232					416.424	477.452
17) L4 Aroclor-1242{1}	7.99	0.00	67451	0	258.810	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.60	27991	36285	52.067	55.918
19) L4 Aroclor-1242{3}	10.56	8.86	97269	183715	100.069	131.716 #
20) L4 Aroclor-1242{4}	0.00	9.21	0	212204	N.D.	346.791 #
21) L4 Aroclor-1242{5}	12.55	10.56	189559	357490	340.157	540.455 #
Sum Aroclor-1242			382270	789694	751.102	1074.880
Average Aroclor-1242					187.776	268.720

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12/12/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1762.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\WESTDA~1\EA1762.D\ECD2B.CH
Acq On : 13 Dec 97 21:57 Operator:
Sample : 278205 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:44 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	130420	235898	9.170	10.895
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.93%#	27.24%#
2) SA Decachlorobiphen	25.89	21.44	226884	259583	9.646	11.378
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.12%	28.45%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

499A ~~5-0-0-A~~

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD2B.CH
Acq On : 13 Dec 97 21:57 Operator:
Sample : 278205 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:38 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.36	7.60	27991	36285	97.357	101.932
23)	L5 Aroclor-1248{2}	10.56	8.86	97269	183715	115.954	151.515 #
24)	L5 Aroclor-1248{3}	12.55	10.56	189559	357490	249.243	380.465 #
25)	L5 Aroclor-1248{4}	13.47	10.83	219345	200886	308.812	231.606 #
26)	L5 Aroclor-1248{5}	15.63	13.54	2313702	2880737	6969.793	8139.441
	Sum Aroclor-1248			2847866	3659113	7741.158	9004.959
	Average Aroclor-1248					1548.232 NP	1800.992 NP
27)	L6 Aroclor-1254{1}	11.63	9.84	246744	246218	659.522	399.455m#
28)	L6 Aroclor-1254{2}	13.82	11.72	1310166	1612459	2207.869	1305.443 #
29)	L6 Aroclor-1254{3}	15.63	12.23	2313702	1486376	1780.680	1504.091
30)	L6 Aroclor-1254{4}	16.55	13.54	1545736	2880737	2475.001	2057.361
31)	L6 Aroclor-1254{5}	17.77	15.61	2824251	3617331	2328.531	2633.305
	Sum Aroclor-1254			8240598	9843121	9451.601	7899.655
	Average Aroclor-1254					1890.320	1579.931
32)	L7 Aroclor-1260{1}	16.16	13.98	1141876	1648420	1175.354	1502.491 #
33)	L7 Aroclor-1260{2}	16.55	14.63	1545736	1860372	1311.170	1277.806
34)	L7 Aroclor-1260{3}	18.96	15.61	744783	3617331	897.718	1906.043 #
35)	L7 Aroclor-1260{4}	19.50	17.44	657933	704150	343.279	315.789
36)	L7 Aroclor-1260{5}	20.83	18.44	468197	576764	299.621	354.102
	Sum Aroclor-1260			4558525	8407037	4027.142	5356.231
	Average Aroclor-1260					805.428 NP	1071.246 NP

500

12/15/97

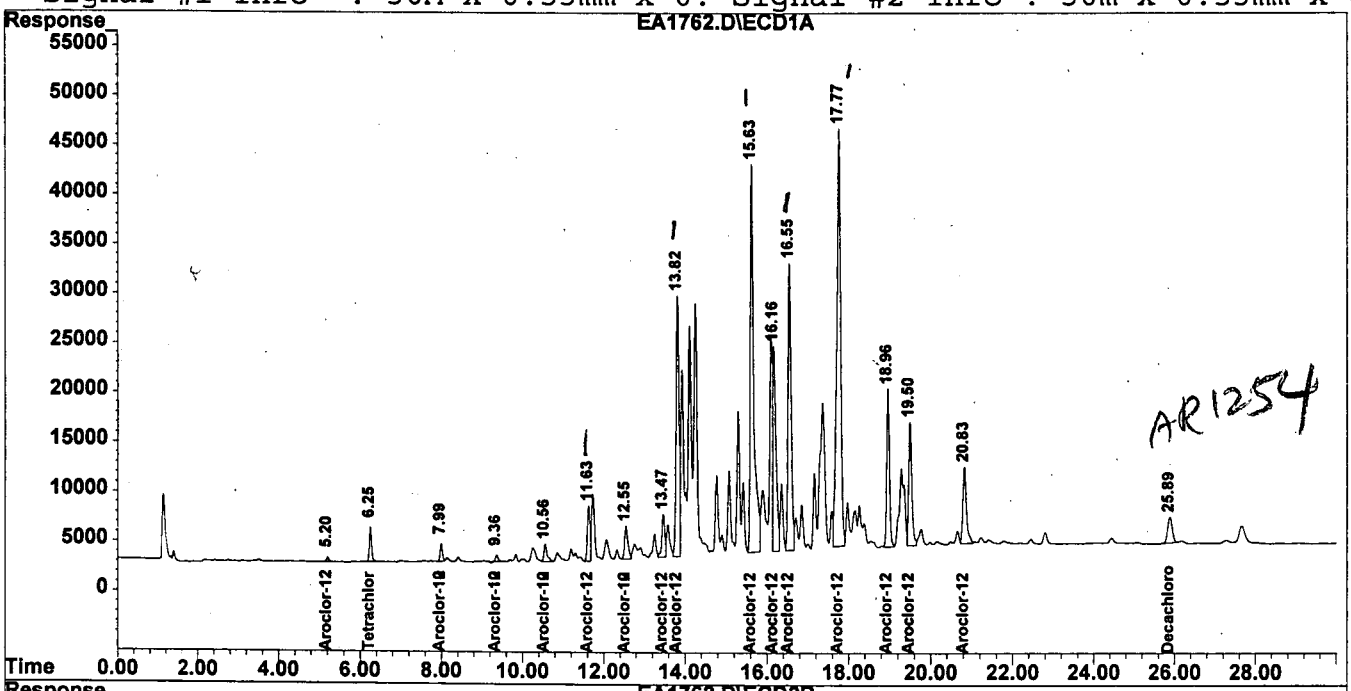
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1762.D\ECD2B.CH
Acq On : 13 Dec 97 21:57 Operator:
Sample : 278205 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:38 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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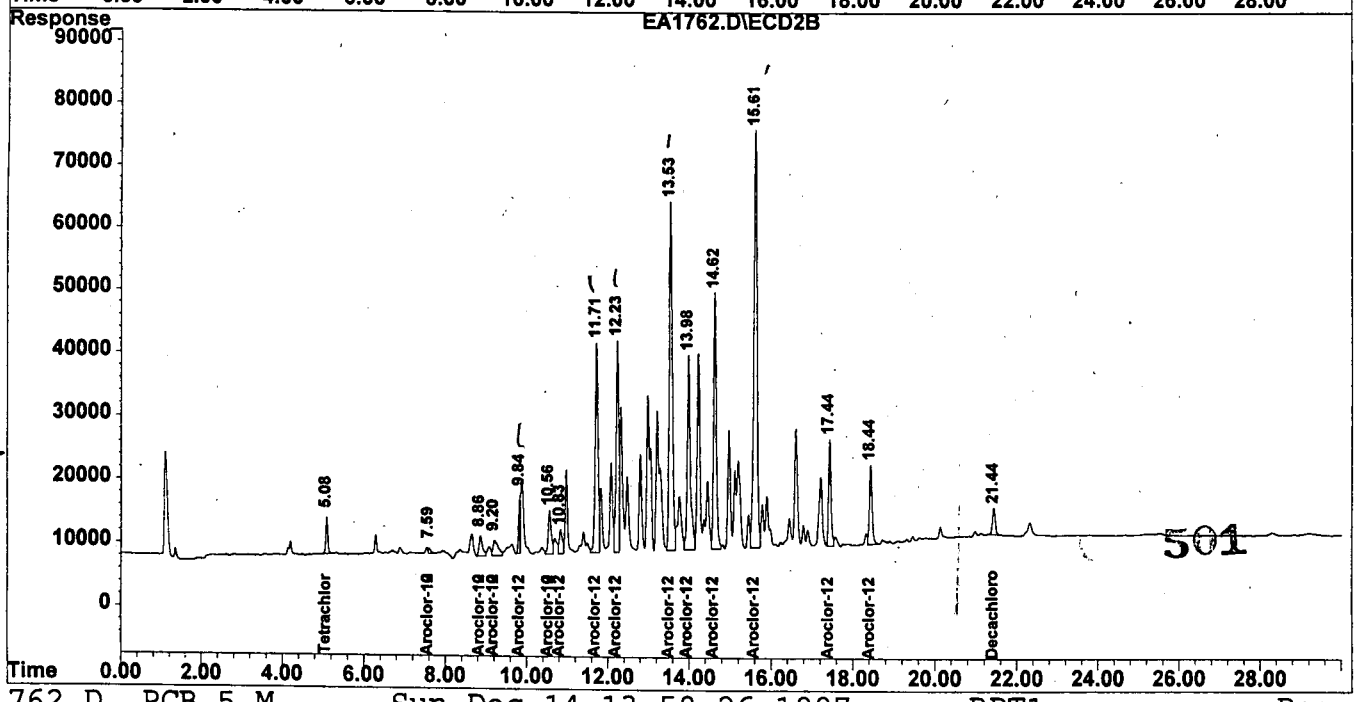


501

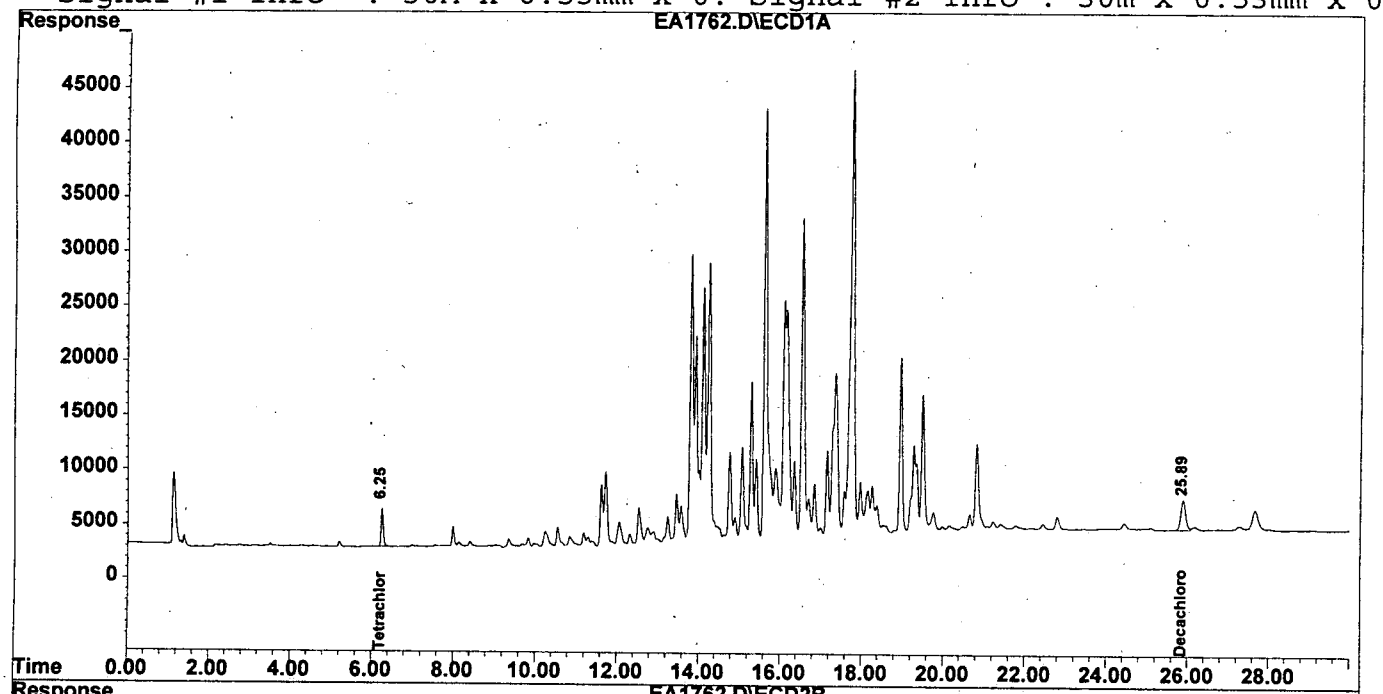
Quantitation Report

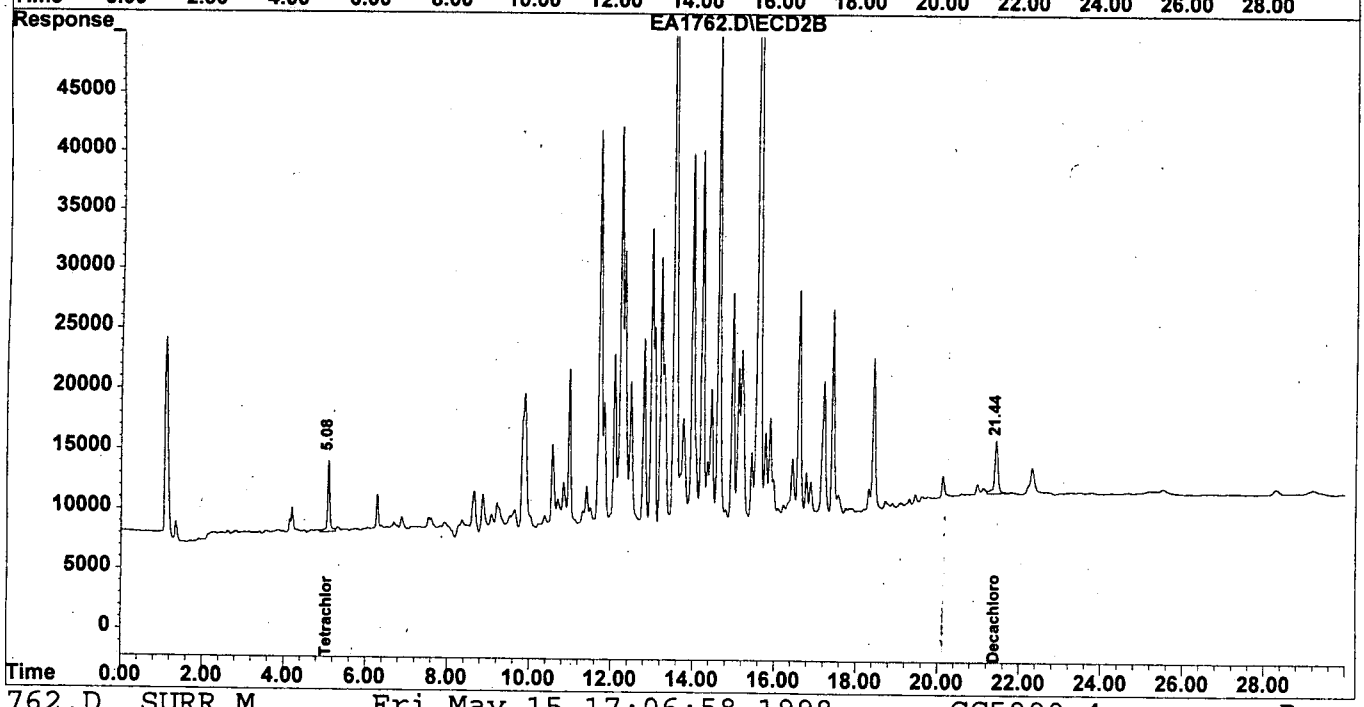
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1762.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\WESTDA~1\EA1762.D\ECD2B.CH
Acq On : 13 Dec 97 21:57 Operator:
Sample : 278205 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:44 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





501A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278206
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: MMMMSS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	25.25%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	44	22
Aroclor-1221	U	U	89	62
Aroclor-1232	U	U	44	36
Aroclor-1242	U	U	44	22
Aroclor-1248	U	U	44	27
Aroclor-1254	~~170~~ R	U	44	31
Aroclor-1260	U	U	44	36

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD2B.CH
Acq On : 12 Dec 97 10:31 Operator:
Sample : 278206 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:04 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	667123	982612	48.491	49.407	
Spiked Amount 40.000 Range 43 - 150 Recovery =					121.23%	123.52%	
2) SA Decachlorobiphen	25.90	21.45	1012569	944807	43.520	43.480	
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.80%	108.70%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	0.00	151766	0	456.028	N.D.	#
4) L1 Aroclor-1016{2}	9.33	7.54	29774	141096	43.917	162.018	#
5) L1 Aroclor-1016{3}	10.55	8.90	32626	74372	25.549	40.075	#
6) L1 Aroclor-1016{4}	11.09	9.18	31590	31154	71.436	36.938	#
7) L1 Aroclor-1016{5}	12.51	10.57	100267	185772	153.592	220.517	#
Sum Aroclor-1016			346024	432395	750.522	459.547	
Average Aroclor-1016					150.104	114.887	
8) L2 Aroclor-1221{1}	5.21	0.00	15394	0	118.724	N.D.	#
9) L2 Aroclor-1221{2}	7.45	0.00	9348	0	98.518	N.D.	#
11) L2 Aroclor-1221{4}	7.99	8.90	151766	74372	372.076	541.490	#
Sum Aroclor-1221			176509	74372	589.317	541.490	
Average Aroclor-1221					196.439	541.490	
12) L3 Aroclor-1232{1}	7.99	0.00	151766	0	523.705	N.D.	#
13) L3 Aroclor-1232{2}	9.33	7.54	29774	141096	95.877	384.390	#
14) L3 Aroclor-1232{3}	10.55	8.90	32626	74372	64.153	98.847	#
15) L3 Aroclor-1232{4}	12.51	0.00	100267	0	317.905	N.D.	#
16) L3 Aroclor-1232{5}	13.49	10.57	367995	185772	1622.267	487.319	#
Sum Aroclor-1232			682429	401241	2623.906	970.556	
Average Aroclor-1232					524.781	323.519	
17) L4 Aroclor-1242{1}	7.99	0.00	151766	0	582.329	N.D.	#
18) L4 Aroclor-1242{2}	9.33	0.00	29774	0	55.384	N.D.	#
19) L4 Aroclor-1242{3}	10.55	8.90	32626	74372	33.565	53.322	#
20) L4 Aroclor-1242{4}	11.09	0.00	31590	0	95.221	N.D.	#
21) L4 Aroclor-1242{5}	12.51	10.57	100267	185772	179.926	280.851	#
Sum Aroclor-1242			346024	260145	946.426	334.173	
Average Aroclor-1242					189.285	167.087	

503

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1741.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDATA\EA1741.D\ECD2B.CH
Acq On : 12 Dec 97 10:31 Operator:
Sample : 278206 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:44 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	667123	1045733	46.904	48.297
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.26%	120.74%
2) SA Decachlorobiphen	25.90	21.44	1016119	948859	43.203	41.592m
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.01%	103.98%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5 0 3 4A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD2B.CH
Acq On : 12 Dec 97 10:31 Operator:
Sample : 278206 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:04 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.33	0.00	29774	0	103.559	N.D.	#
23)	L5 Aroclor-1248{2}	10.55	8.90	32626	74372	38.893	61.337	#
24)	L5 Aroclor-1248{3}	12.51	10.57	100267	185772	131.837	197.711	#
25)	L5 Aroclor-1248{4}	13.49	0.00	367995	0	518.094	N.D.	#
26)	L5 Aroclor-1248{5}	15.63	13.58	206183	882876	621.107	2494.542	#
	Sum Aroclor-1248			736846	1143021	1413.490	2753.590	
	Average Aroclor-1248					282.698	917.863	
27)	L6 Aroclor-1254{1}	11.63	9.89	57720	174842	154.281	283.657m	#
28)	L6 Aroclor-1254{2}	13.80	11.73	1224487	298259	2063.485	241.469	#
29)	L6 Aroclor-1254{3}	15.63	12.24	206183	170884	158.684	172.921	
30)	L6 Aroclor-1254{4}	16.61f	13.58	701834	882876	1123.762m	630.531	#
31)	L6 Aroclor-1254{5}	17.71	15.65	557032	859087	459.260	625.389	#
	Sum Aroclor-1254			2747257	2385948	3959.472	1953.968	
	Average Aroclor-1254					791.894	390.794	
32)	L7 Aroclor-1260{1}	16.17	13.99	179199	182837	184.452	166.651	
33)	L7 Aroclor-1260{2}	16.61	14.70	722282	1908495	612.675	1310.860	#
34)	L7 Aroclor-1260{3}	18.97	15.65	154996	859087	186.823	452.670	#
35)	L7 Aroclor-1260{4}	19.56	17.44	547661	228766	285.744	102.594	#
36)	L7 Aroclor-1260{5}	20.84	18.44	91826	622206	58.764	382.001	#
	Sum Aroclor-1260			1695963	3801391	1328.458	2414.776	
	Average Aroclor-1260					265.692	482.955	

12/13/97

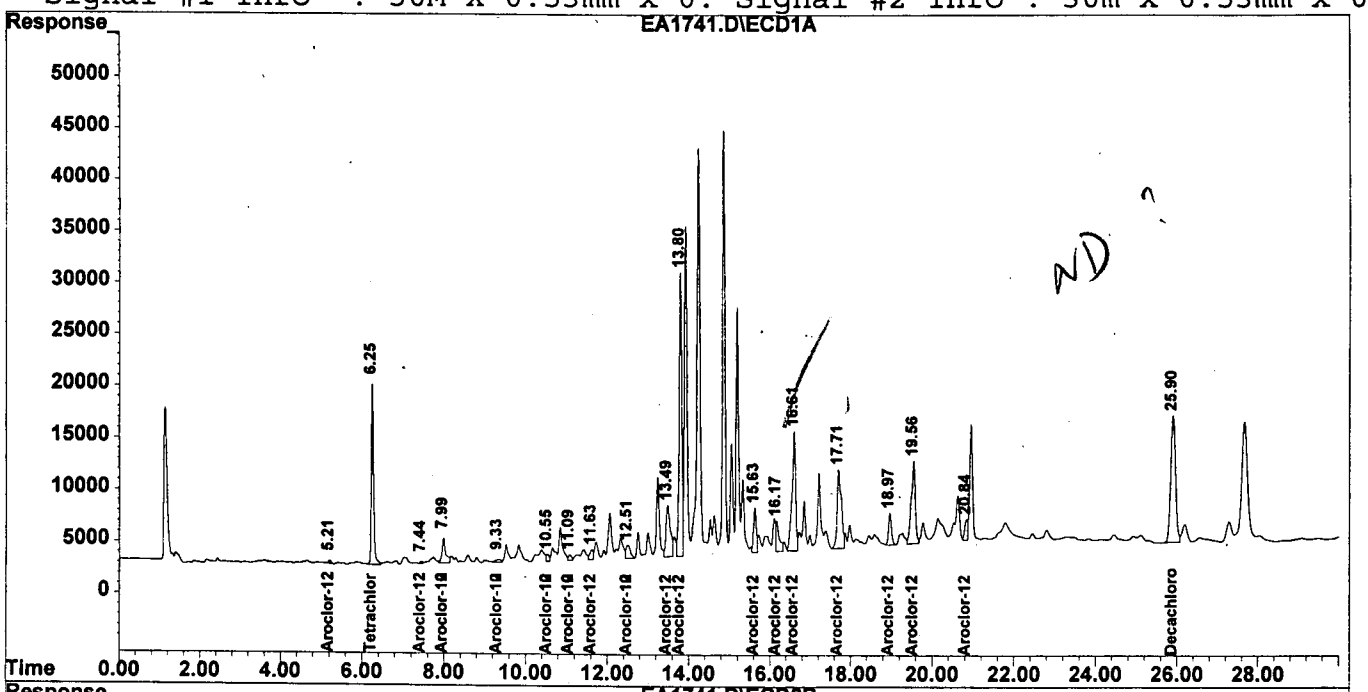
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

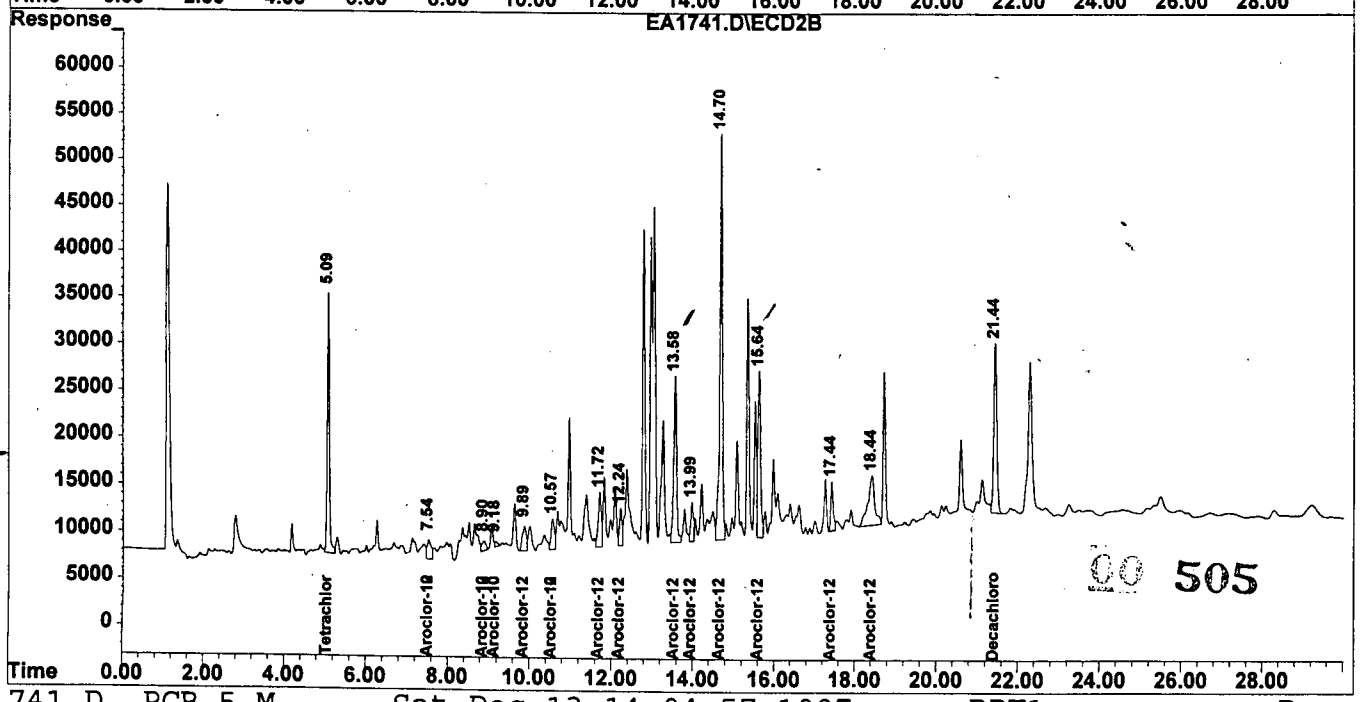
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD1A.CH Vial: 37
Signal #2 : C:\HPCHEM\1\DATA_E\EA1741.D\ECD2B.CH
Acq On : 12 Dec 97 10:31 Operator:
Sample : 278206 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:04 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





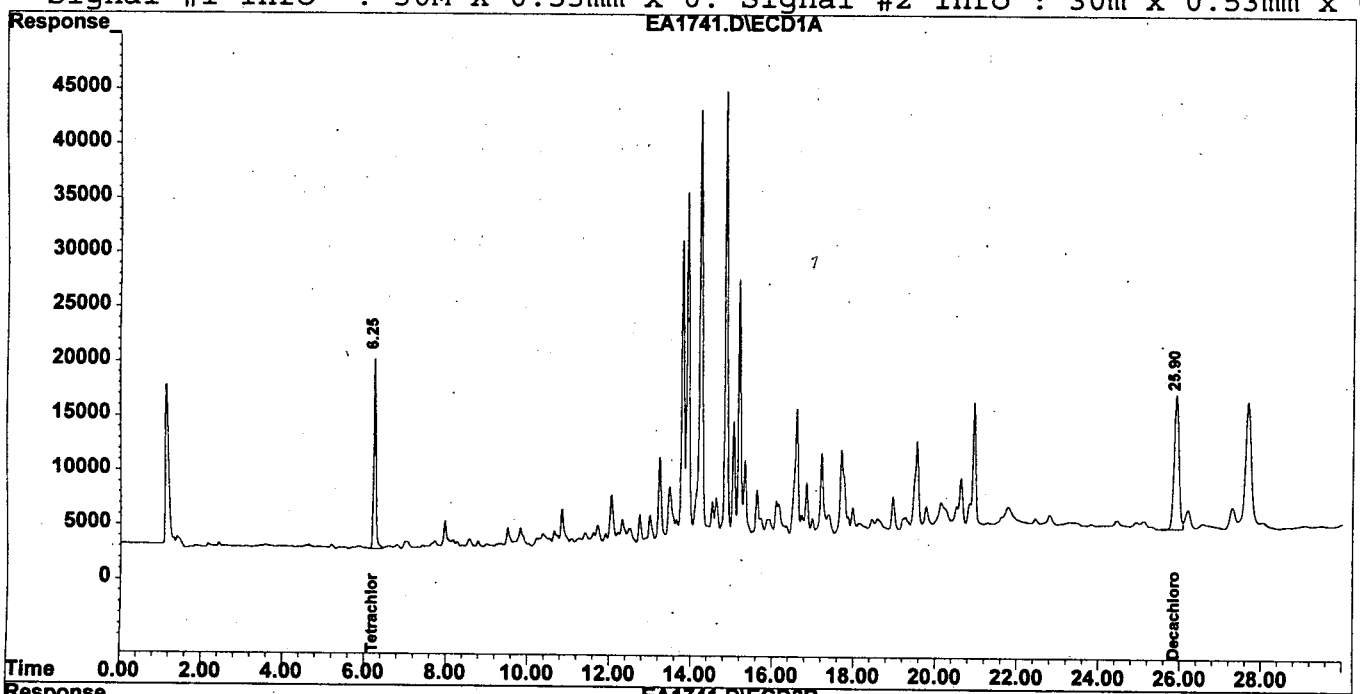
Quantitation Report

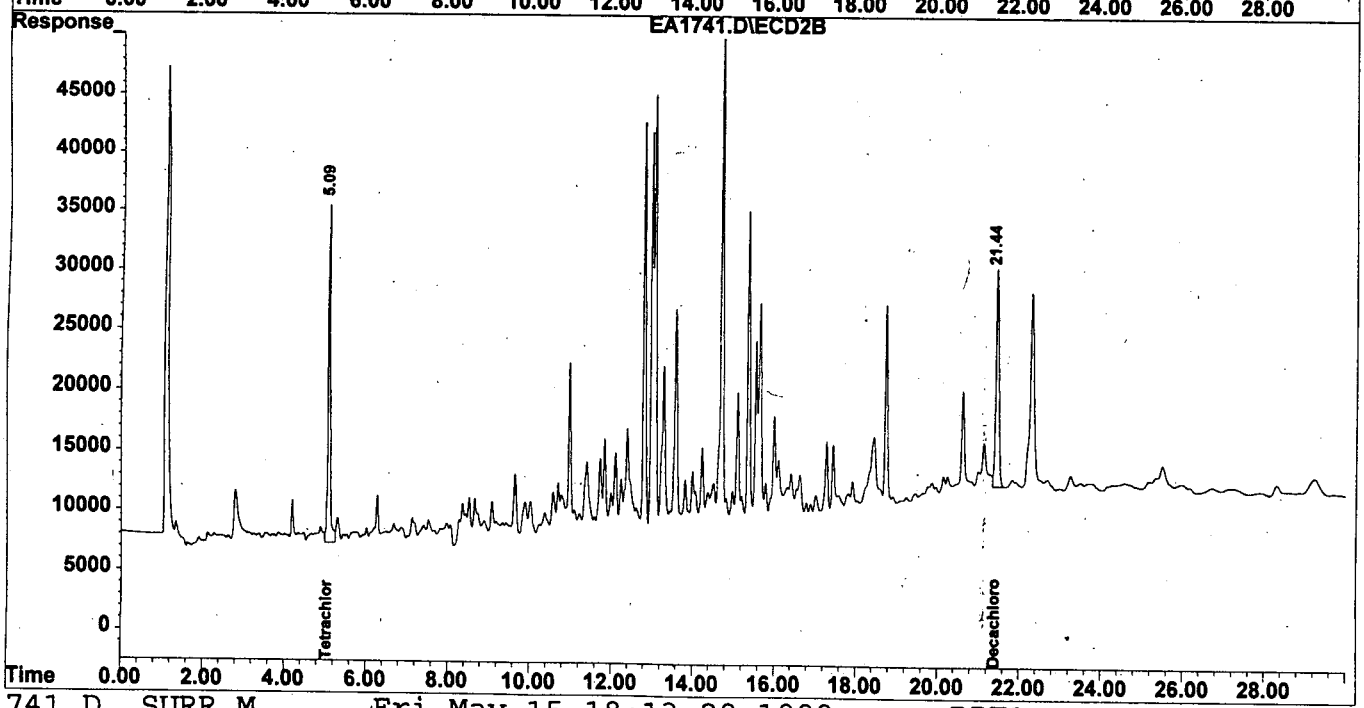
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1741.D\ECD1A.CH Vial: 37
Signal #2 : E:\WESTDATA\EA1741.D\ECD2B.CH
Acq On : 12 Dec 97 10:31 Operator:
Sample : 278206 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:44 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278207
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	40.31%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	280	140
Aroclor-1221	U	U	560	390
Aroclor-1232	U	U	280	220
Aroclor-1242	U	U	280	140
Aroclor-1248	U	U	280	170
Aroclor-1254	4900	U	280	200
Aroclor-1260	U	U	280	220

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD2B.CH
Acq On : 13 Dec 97 22:31 Operator:
Sample : 278207 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	124548	177294	9.053	8.914
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.63%#	22.29%#
2) SA Decachlorobiphen	25.89	21.44	188598	192557	8.106	8.861
Spiked Amount 40.000 Range 24 - 154 Recovery =					20.27%#	22.15%#
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	82495	0	247.882	N.D. #
4) L1 Aroclor-1016{2}	9.36	7.59	32585	42396	48.061	48.682
5) L1 Aroclor-1016{3}	10.56	8.86	83315	182601	65.242	98.394 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	352632	N.D.	418.093 #
7) L1 Aroclor-1016{5}	12.55	10.56	322827	596145	494.517	707.641 #
Sum Aroclor-1016			521222	1173775	855.702	1272.809
Average Aroclor-1016					213.926 NP	318.202 NP
8) L2 Aroclor-1221{1}	5.20	0.00	17841	0	137.595	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.86	82495	182601	202.248	1329.479 #
Sum Aroclor-1221			100336	182601	339.842	1329.479
Average Aroclor-1221					169.921 NP	1329.479 NP
12) L3 Aroclor-1232{1}	7.99	0.00	82495	0	284.668	N.D. #
13) L3 Aroclor-1232{2}	9.36	7.59	32585	42396	104.925	115.499
14) L3 Aroclor-1232{3}	10.56	8.86	83315	182601	163.823	242.691 #
15) L3 Aroclor-1232{4}	12.55	9.20	322827	352632	1023.548	1045.267
16) L3 Aroclor-1232{5}	13.47	10.56	301102	596145	1327.375	1563.815
Sum Aroclor-1232			822324	1173775	2904.339	2967.272
Average Aroclor-1232					580.868 NP	741.818 NP
17) L4 Aroclor-1242{1}	7.99	0.00	82495	0	316.534	N.D. #
18) L4 Aroclor-1242{2}	9.36	7.59	32585	42396	60.612	65.336
19) L4 Aroclor-1242{3}	10.56	8.86	83315	182601	85.713	130.917 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	352632	N.D.	576.283 #
21) L4 Aroclor-1242{5}	12.55	10.56	322827	596145	579.302	901.256 #
Sum Aroclor-1242			521222	1173775	1042.161	1673.792
Average Aroclor-1242					260.540 NP	418.448 NP

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1763.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\WESTDA~1\EA1763.D\ECD2B.CH
Acq On : 13 Dec 97 22:31 Operator:
Sample : 278207 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:55 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	124548	180334	8.757	8.329
Spiked Amount 40.000 Range 43 - 150 Recovery =					21.89%#	20.82%#
2) SA Decachlorobiphen	25.89	21.43	205448	220754	8.735	9.676m
Spiked Amount 40.000 Range 24 - 154 Recovery =					21.84%#	24.19%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5 078A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD2B.CH
Acq On : 13 Dec 97 22:31 Operator:
Sample : 278207 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.36	7.59	32585	42396	113.333	119.100
23)	L5 Aroclor-1248{2}	10.56	8.86	83315	182601	99.319	150.596 #
24)	L5 Aroclor-1248{3}	12.55	10.56	322827	596145	424.472	634.457 #
25)	L5 Aroclor-1248{4}	13.47	10.83	301102	303203	423.916	349.569
26)	L5 Aroclor-1248{5}	15.63	13.54	2668717	3259309	8039.240	9209.086
	Sum Aroclor-1248			3408546	4383655	9100.280	10462.809
	Average Aroclor-1248					1820.056 NP	2092.562 NP
27)	L6 Aroclor-1254{1}	11.63	9.83	408632	478274	1092.234	775.934m#
28)	L6 Aroclor-1254{2}	13.82	11.71	1440195	1917546	2426.991	1552.441 #
29)	L6 Aroclor-1254{3}	15.63	12.23	2668717	1588663	2053.908	1607.596
30)	L6 Aroclor-1254{4}	16.55	13.54	1510844	3259309	2419.133	2327.729
31)	L6 Aroclor-1254{5}	17.77	15.61	2770685	3538687	2284.367	2576.055
	Sum Aroclor-1254			8799074	10782480	10276.633	8839.756
	Average Aroclor-1254					2055.327	1767.951
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1721818	N.D.	1569.392 #
33)	L7 Aroclor-1260{2}	16.55	14.62	1510844	1832187	1281.573	1258.447
34)	L7 Aroclor-1260{3}	18.96	15.61	723760	3538687	872.379	1864.604 #
35)	L7 Aroclor-1260{4}	19.50	17.44	633585	672862	330.575	301.757
36)	L7 Aroclor-1260{5}	20.83	18.44	446209	526261	285.549	323.096
	Sum Aroclor-1260			3314399	8291816	2770.077	5317.297
	Average Aroclor-1260					692.519 NP	1063.459 NP

CC 508

MM 12/15/97

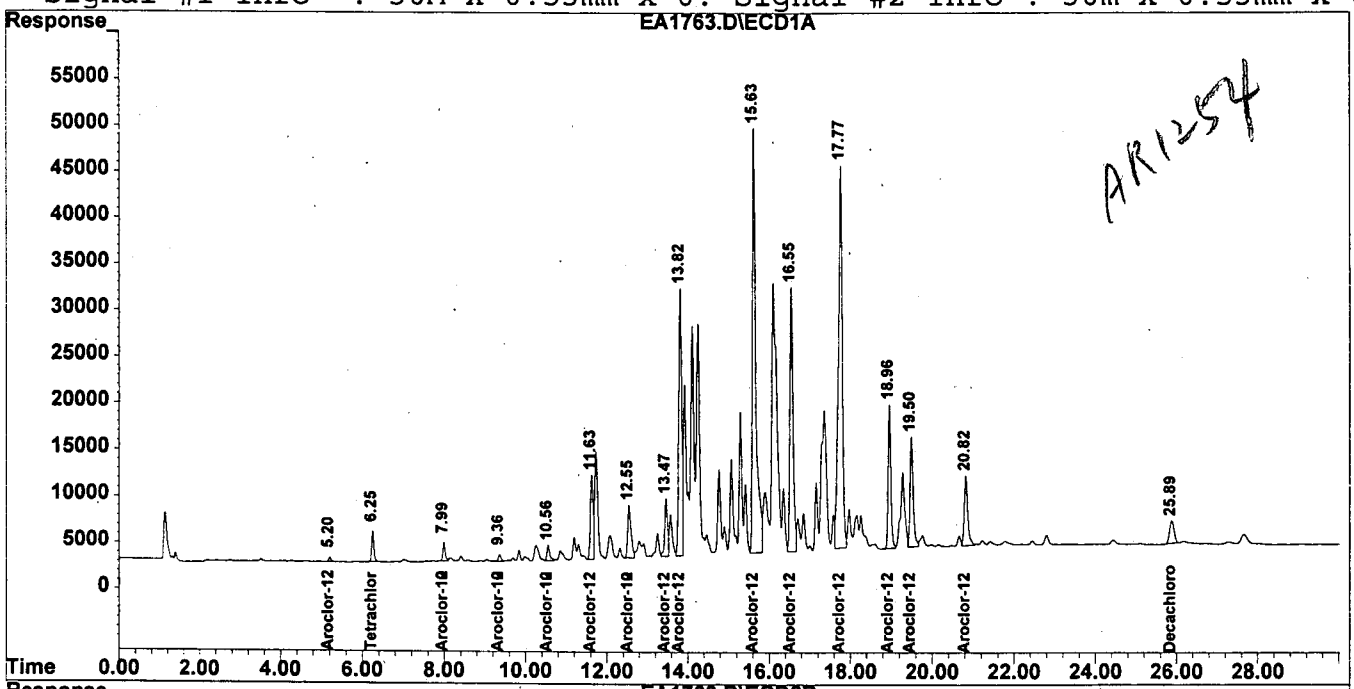
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

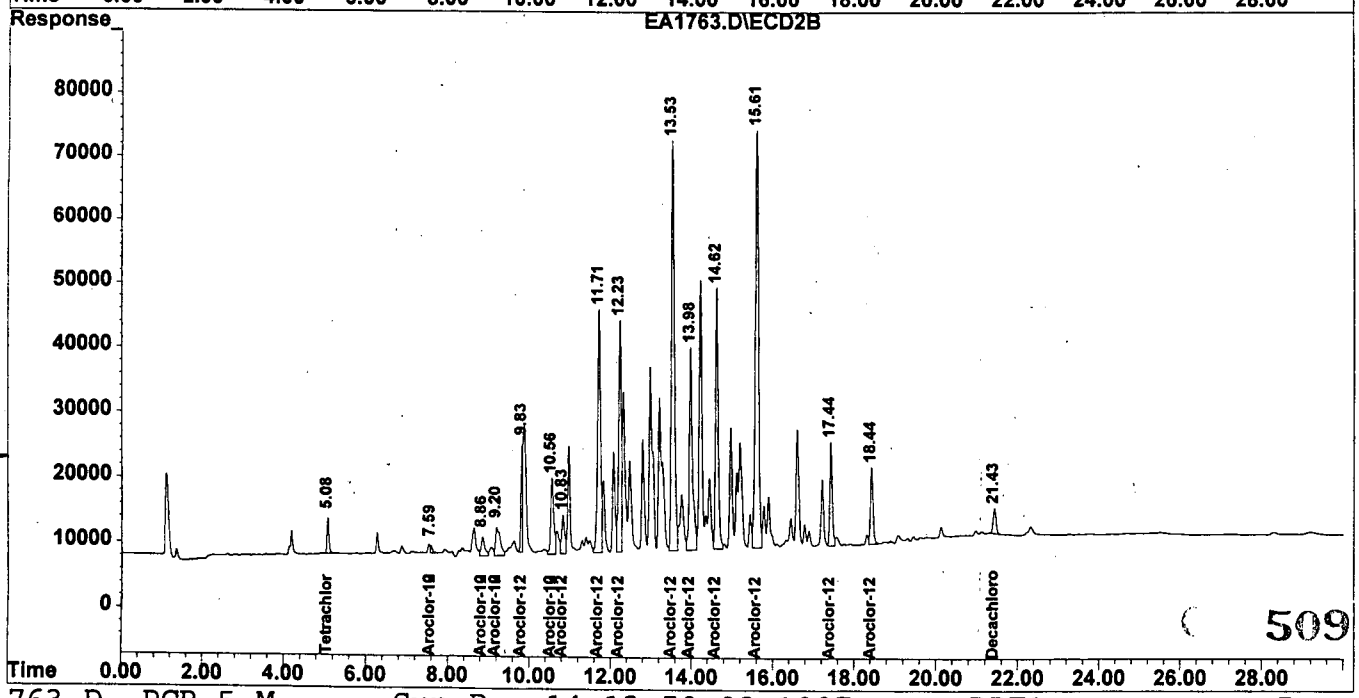
Signal #1 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1763.D\ECD2B.CH
Acq On : 13 Dec 97 22:31 Operator:
Sample : 278207 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:39 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



AR1254



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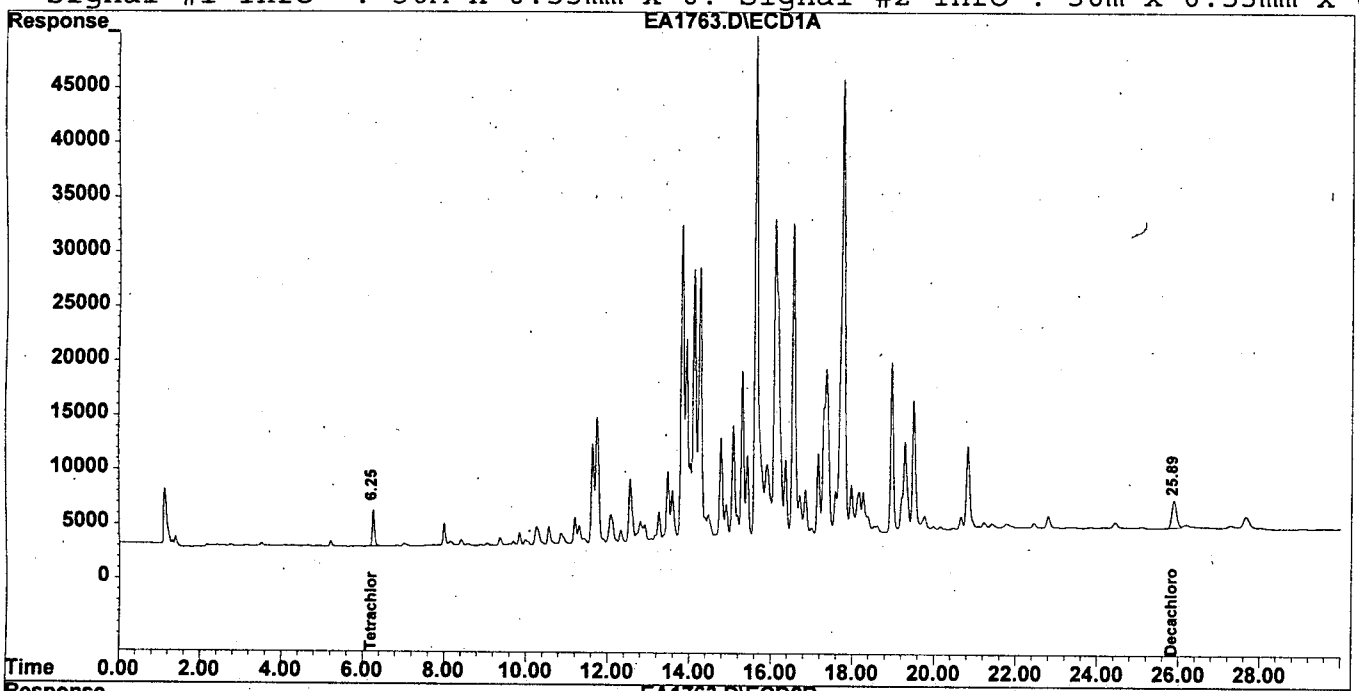
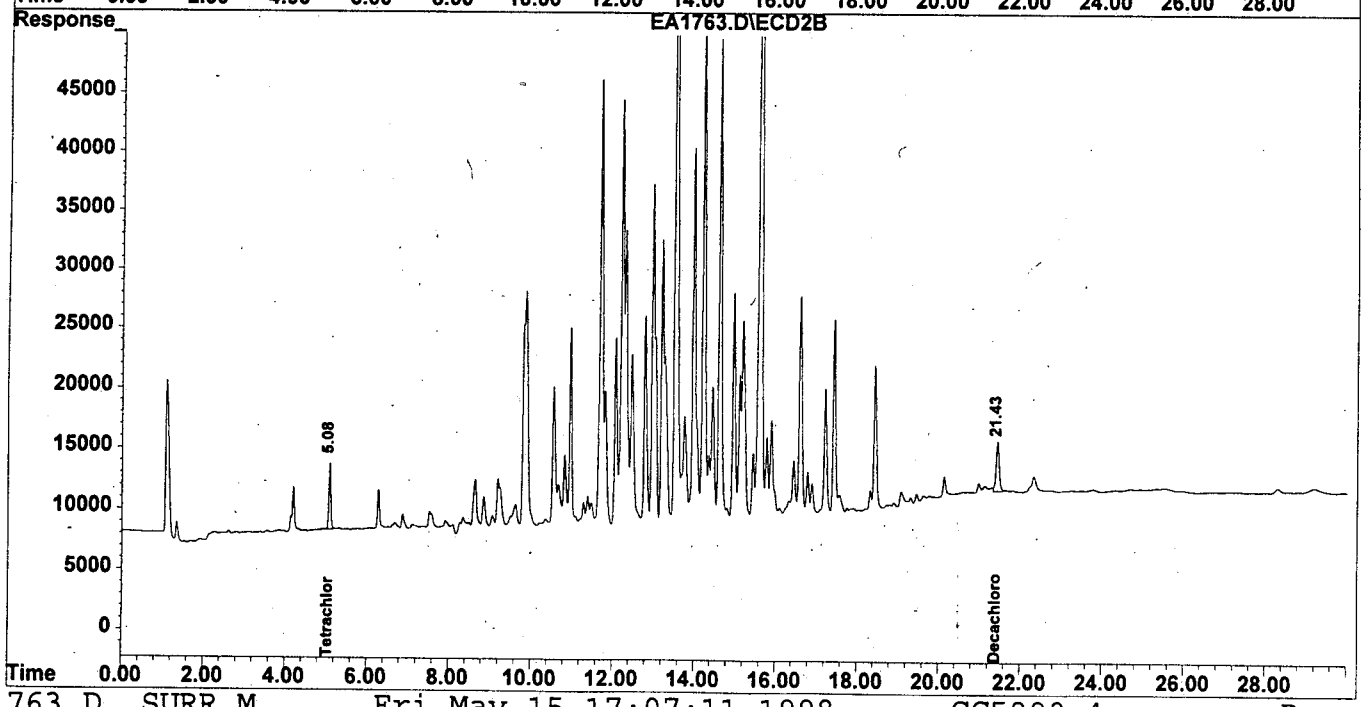
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1763.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\WESTDA~1\EA1763.D\ECD2B.CH
Acq On : 13 Dec 97 22:31 Operator:
Sample : 278207 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:55 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





5 0 9A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278208
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	50.9%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U J	U	68	34
Aroclor-1221	U	U	140	95
Aroclor-1232	U	U	68	54
Aroclor-1242	U	U	68	34
Aroclor-1248	U	U	68	41
Aroclor-1254	2800	U	68	48
Aroclor-1260	U	U	68	54

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD2B.CH
Acq On : 12 Dec 97 12:46 Operator:
Sample : 278208 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	631313	904762	45.888	45.492	
Spiked Amount 40.000 Range 43 - 150 Recovery =					114.72%	113.73%	
2) SA Decachlorobiphen	25.90	21.44	989410	1051666	42.524m	48.397m	
Spiked Amount 40.000 Range 24 - 154 Recovery =					106.31%	120.99%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	187614	0	563.743	N.D.	#
4) L1 Aroclor-1016{2}	9.36	7.59	184667	111446	272.379	127.971	#
5) L1 Aroclor-1016{3}	10.56	8.86	231222	377125	181.065	203.212	
6) L1 Aroclor-1016{4}	0.00	9.20	0	822252	N.D.	974.889	#
7) L1 Aroclor-1016{5}	12.55	10.56	1063842	1645108	1629.627	1952.789	
Sum Aroclor-1016			1667345	2955932	2646.814	3258.861	
Average Aroclor-1016					661.704	814.715	
8) L2 Aroclor-1221{1}	5.20	0.00	37495	0	289.168	N.D.	#
9) L2 Aroclor-1221{2}	0.00	6.38	0	20366	N.D.	117.623	#
11) L2 Aroclor-1221{4}	8.00	8.86	187614	377125	459.961	2745.768	#
Sum Aroclor-1221			225108	397491	749.129	2863.391	
Average Aroclor-1221					374.565	1431.695	
12) L3 Aroclor-1232{1}	8.00	0.00	187614	0	647.405	N.D.	#
13) L3 Aroclor-1232{2}	9.36	7.59	184667	111446	594.646	303.613	#
14) L3 Aroclor-1232{3}	10.56	8.86	231222	377125	454.655	501.229	
15) L3 Aroclor-1232{4}	12.55	9.20	1063842	822252	3372.990	2437.306	#
16) L3 Aroclor-1232{5}	13.47	10.56	938773	1645108	4138.480	4315.467	
Sum Aroclor-1232			2606119	2955932	9208.176	7557.615	
Average Aroclor-1232					1841.635	1889.404	
17) L4 Aroclor-1242{1}	8.00	0.00	187614	0	719.876	N.D.	#
18) L4 Aroclor-1242{2}	9.36	7.59	184667	111446	343.506	171.749	#
19) L4 Aroclor-1242{3}	10.56	8.86	231222	377125	237.877	270.382	
20) L4 Aroclor-1242{4}	0.00	9.20	0	822252	N.D.	1343.752	#
21) L4 Aroclor-1242{5}	12.55	10.56	1063842	1645108	1909.027	2487.084	#
Sum Aroclor-1242			1667345	2955932	3210.286	4272.966	
Average Aroclor-1242					802.571	1068.242	

511

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1745.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDATA\EA1745.D\ECD2B.CH
Acq On : 12 Dec 97 12:46 Operator:
Sample : 278208 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:45 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	631313	907886	44.386	41.930
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.97%	104.83%
2) SA Decachlorobiphen	25.90	21.44	1137955	1052991	48.383	46.156m
Spiked Amount 40.000 Range 24 - 154 Recovery =					120.96%	115.39%

Target Compounds

7-35/18/18

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5 1/2A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD2B.CH
Acq On : 12 Dec 97 12:46 Operator:
Sample : 278208 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.36	7.59	184667	111446	642.295	313.078 #
23) L5	Aroclor-1248{2}	10.56	8.86	231222	377125	275.539	311.026
24) L5	Aroclor-1248{3}	12.55	10.56	1063842	1645108	1398.800	1750.833 #
25) L5	Aroclor-1248{4}	13.47	10.83	938773	844172	1321.682	973.265 #
26) L5	Aroclor-1248{5}	15.63	13.54	6724784	7647535	20257.730	21607.893
Sum	Aroclor-1248			9143289	10625387	23896.146	24956.094
Average	Aroclor-1248					4779.229	4991.219
27) L6	Aroclor-1254{1}	11.63	9.83	1193887	1253290	3191.143	2033.291m#
28) L6	Aroclor-1254{2}	13.82	11.71	3648005	4493691	6147.555	3638.082 #
29) L6	Aroclor-1254{3}	15.63	12.23	6724784	3378744	5175.552	3419.012 #
30) L6	Aroclor-1254{4}	16.55	13.54	3659790	7647535	5859.979	5461.706
31) L6	Aroclor-1254{5}	17.77	15.61	7021389	8410133	5788.977	6122.318
Sum	Aroclor-1254			22247854	25183393	26163.206	20674.408
Average	Aroclor-1254					5232.641	4134.882
32) L7	Aroclor-1260{1}	0.00	13.98	0	3812156	N.D.	3474.679 #
33) L7	Aroclor-1260{2}	16.55	14.62	3659790	4199629	3104.415	2884.537
34) L7	Aroclor-1260{3}	18.96	15.61	1951795	8410133	2352.581	4431.465 #
35) L7	Aroclor-1260{4}	19.50	17.44	1826675	1684025	953.075	755.232
36) L7	Aroclor-1260{5}	20.83	18.44	1257870	1364223	804.967	837.560
Sum	Aroclor-1260			8696130	19470165	7215.038	12383.472
Average	Aroclor-1260					1803.760	2476.694

512

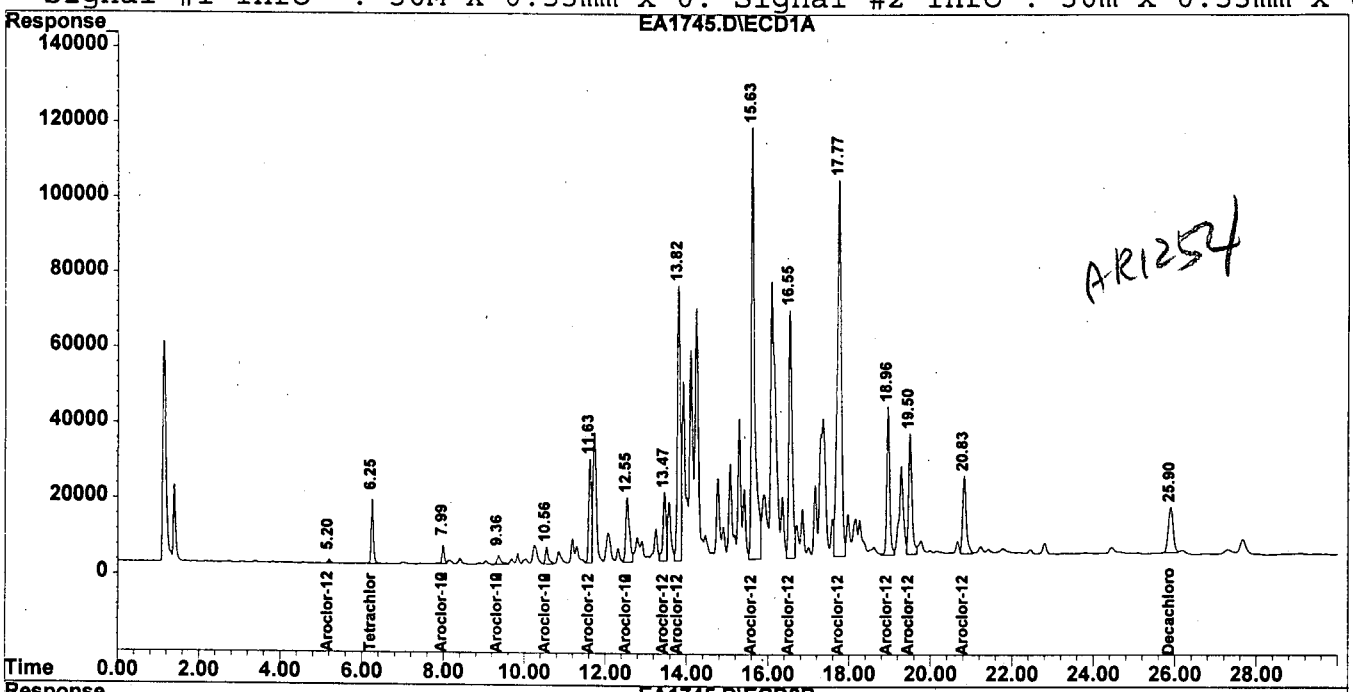
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD1A.CH Vial: 41
Signal #2 : C:\HPCHEM\1\DATA_E\EA1745.D\ECD2B.CH
Acq On : 12 Dec 97 12:46 Operator:
Sample : 278208 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:25 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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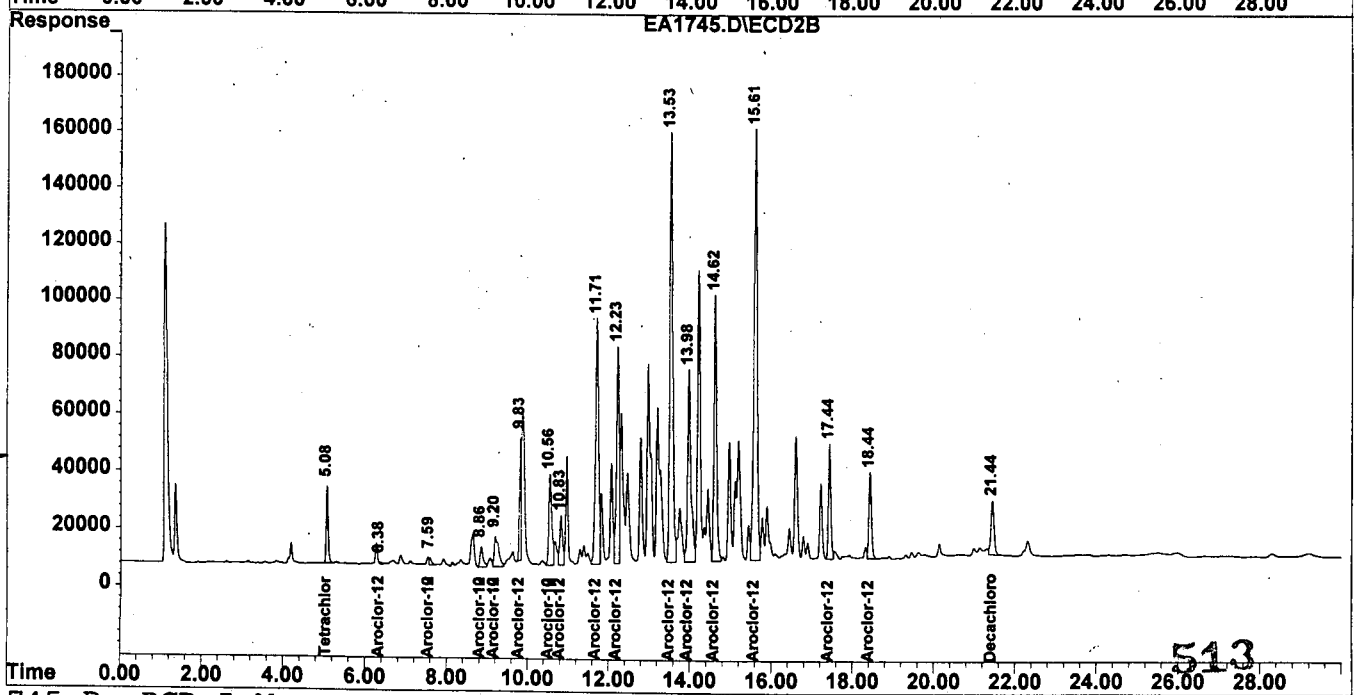

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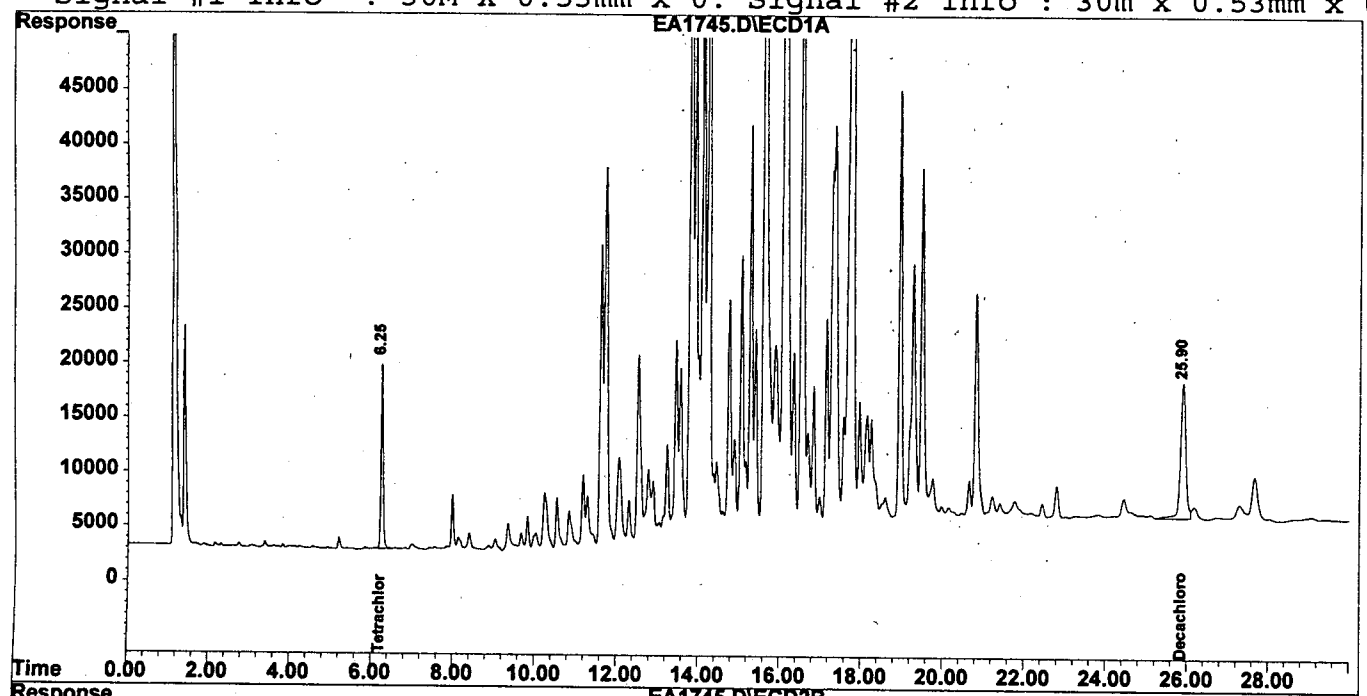
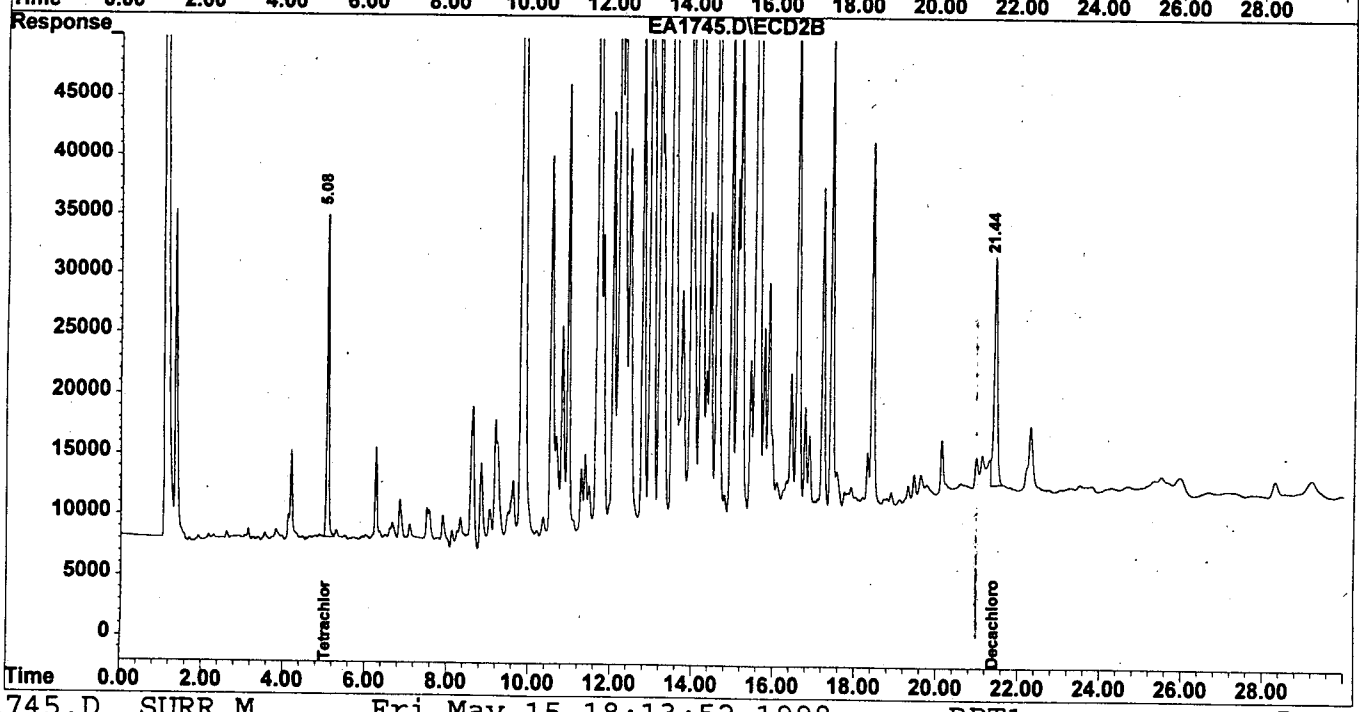
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1745.D\ECD1A.CH Vial: 41
Signal #2 : E:\WESTDATA\EA1745.D\ECD2B.CH
Acq On : 12 Dec 97 12:46 Operator:
Sample : 278208 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:45 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





513A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278209
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKNS3
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/13/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	42.94%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	290	150
Aroclor-1221	U	U	580	410
Aroclor-1232	U	U	290	230
Aroclor-1242	U	U	290	150
Aroclor-1248	U	U	290	180
Aroclor-1254	6100	U	290	200
Aroclor-1260	U	U	290	230

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD2B.CH
Acq On : 13 Dec 97 23:38 Operator:
Sample : 278209 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 12:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	130872	190939	9.513	9.601
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.78%#	24.00%#
2) SA Decachlorobiphen	25.88	21.44	202212	209236	8.691	9.629
Spiked Amount 40.000 Range 24 - 154 Recovery =					21.73%#	24.07%
Target Compounds						
3) L1 Aroclor-1016{1}	7.99	0.00	76828	0	230.852	N.D. #
4) L1 Aroclor-1016{2}	9.35	0.00	33305	0	49.124	N.D. #
5) L1 Aroclor-1016{3}	10.55	8.85	89864	202977	70.371	109.373 #
6) L1 Aroclor-1016{4}	0.00	9.20	0	361923	N.D.	429.107 #
7) L1 Aroclor-1016{5}	12.54	10.56	317165	597018	485.843	708.676 #
Sum Aroclor-1016			517162	1161917	836.191	1247.157
Average Aroclor-1016					209.048	415.719
8) L2 Aroclor-1221{1}	5.20	0.00	20274	0	156.358	N.D. #
11) L2 Aroclor-1221{4}	7.99	8.85	76828	202977	188.353	1477.831 #
Sum Aroclor-1221			97102	202977	344.711	1477.831
Average Aroclor-1221					172.356	1477.831
12) L3 Aroclor-1232{1}	7.99	0.00	76828	0	265.111	N.D. #
13) L3 Aroclor-1232{2}	9.35	0.00	33305	0	107.246	N.D. #
14) L3 Aroclor-1232{3}	10.55	8.85	89864	202977	176.701	269.772 #
15) L3 Aroclor-1232{4}	12.54	9.20	317165	361923	1005.595	1072.804
16) L3 Aroclor-1232{5}	13.46	10.56	300450	597018	1324.499	1566.103
Sum Aroclor-1232			817612	1161917	2879.153	2908.680
Average Aroclor-1232					576.831	969.560
18) L4 Aroclor-1242{2}	9.35	0.00	33305	0	61.952	N.D. #
19) L4 Aroclor-1242{3}	10.55	8.85	89864	202977	92.451	145.526 #
20) L4 Aroclor-1242{4}	0.00	9.20	0	361923	N.D.	591.466 #
21) L4 Aroclor-1242{5}	12.54	10.56	317165	597018	569.141	902.574 #
Sum Aroclor-1242			440335	1161917	723.544	1639.566
Average Aroclor-1242		515			241.181	546.522
22) L5 Aroclor-1248{1}	9.35	0.00	33305	0	115.840	N.D. #

12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1765.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\WESTDA~1\EA1765.D\ECD2B.CH
Acq On : 13 Dec 97 23:38 Operator:
Sample : 278209 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:57 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	130872	192528	9.201	8.892
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.00%#	22.23%#
2) SA Decachlorobiphen	25.88	21.43	200969	240510	8.545	10.542m
Spiked Amount 40.000 Range 24 - 154 Recovery =					21.36%#	26.36%
Target Compounds						

7/15/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD2B.CH
Acq On : 13 Dec 97 23:38 Operator:
Sample : 278209 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 12:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
23)	L5 Aroclor-1248{2}	10.55	8.85	89864	202977	107.127	167.401	#
24)	L5 Aroclor-1248{3}	12.54	10.56	317165	597018	417.026	635.386	#
25)	L5 Aroclor-1248{4}	13.46	10.83	300450	302920	422.998	349.244	
26)	L5 Aroclor-1248{5}	15.62	13.53	2698354	3317634	8128.517	9373.879	
	Sum Aroclor-1248			3439138	4420549	9191.507	10525.910	
	Average Aroclor-1248					1838.301 NP	2631.477 NP	
27)	L6 Aroclor-1254{1}	11.62	9.87	441246	1620943	1179.408	2629.757	#
28)	L6 Aroclor-1254{2}	13.81	11.71	1467327	1940773	2472.714	1571.245	#
29)	L6 Aroclor-1254{3}	15.62	12.23	2698354	1642039	2076.717	1661.609	
30)	L6 Aroclor-1254{4}	16.54	13.53	1544815	3317634	2473.526	2369.383	
31)	L6 Aroclor-1254{5}	17.76	15.61	2798354	3561926	2307.180	2592.972	
	Sum Aroclor-1254			8950096	12083314	10509.544	10824.967	
	Average Aroclor-1254					2101.909	2164.993	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	1785376	N.D.	1627.323	#
33)	L7 Aroclor-1260{2}	16.54	14.62	1544815	1917077	1310.388	1316.754	
34)	L7 Aroclor-1260{3}	18.96	15.61	732249	3561926	882.611	1876.849	#
35)	L7 Aroclor-1260{4}	19.49	17.43	644008	664752	336.013	298.120	
36)	L7 Aroclor-1260{5}	20.82	18.44	437643	514198	280.067	315.690	
	Sum Aroclor-1260			3358714	8443329	2809.080	5434.736	
	Average Aroclor-1260					702.270	1086.947	

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BAW 12/15/97

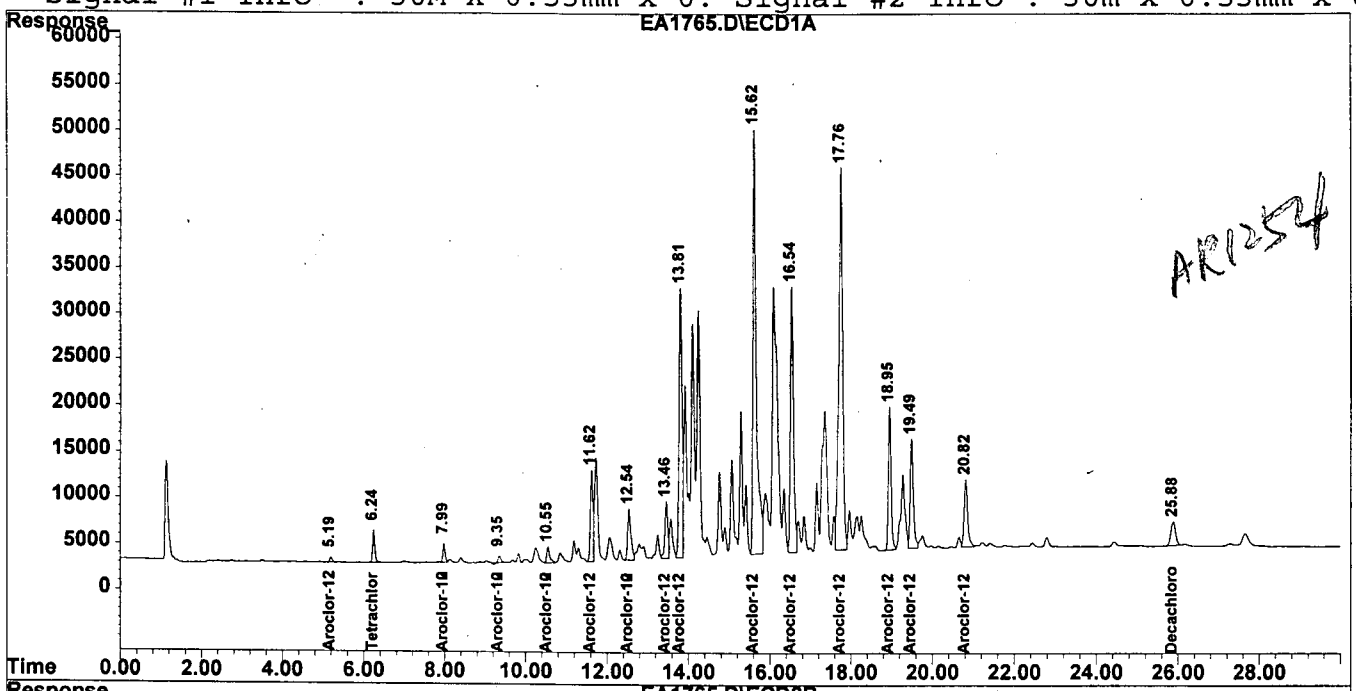
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1765.D\ECD2B.CH
Acq On : 13 Dec 97 23:38 Operator:
Sample : 278209 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 12:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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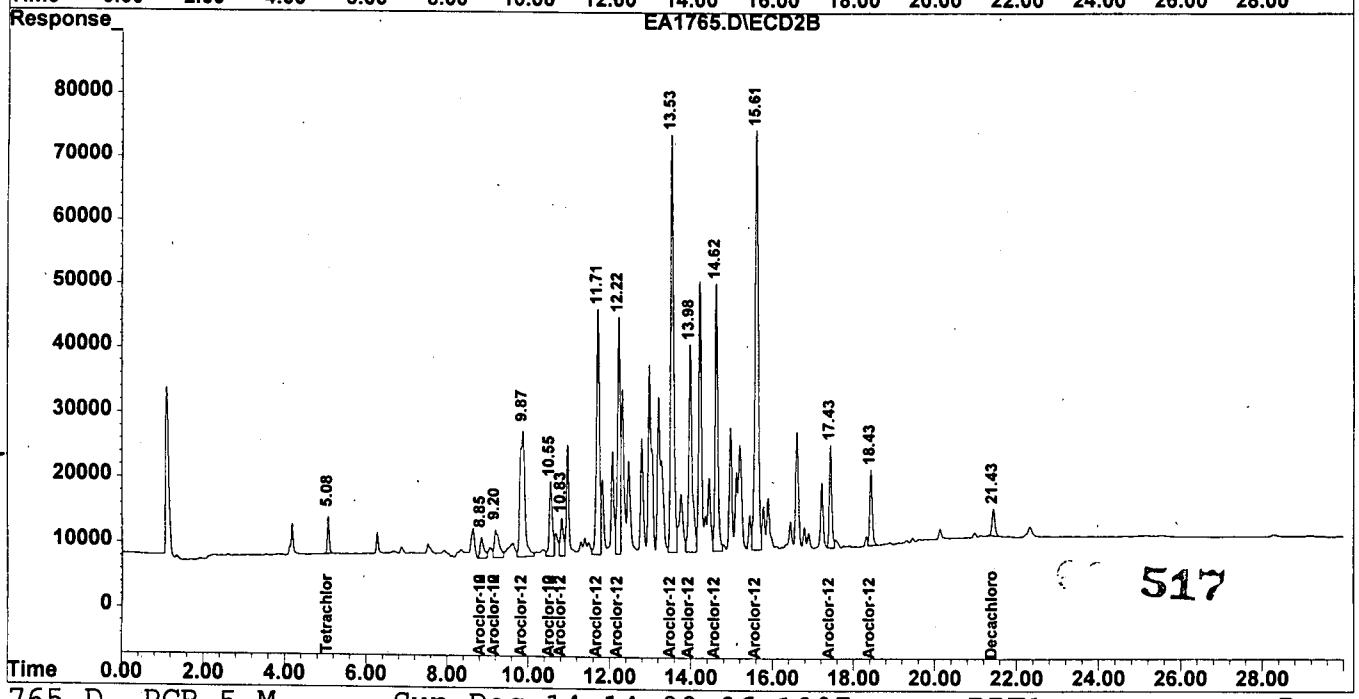

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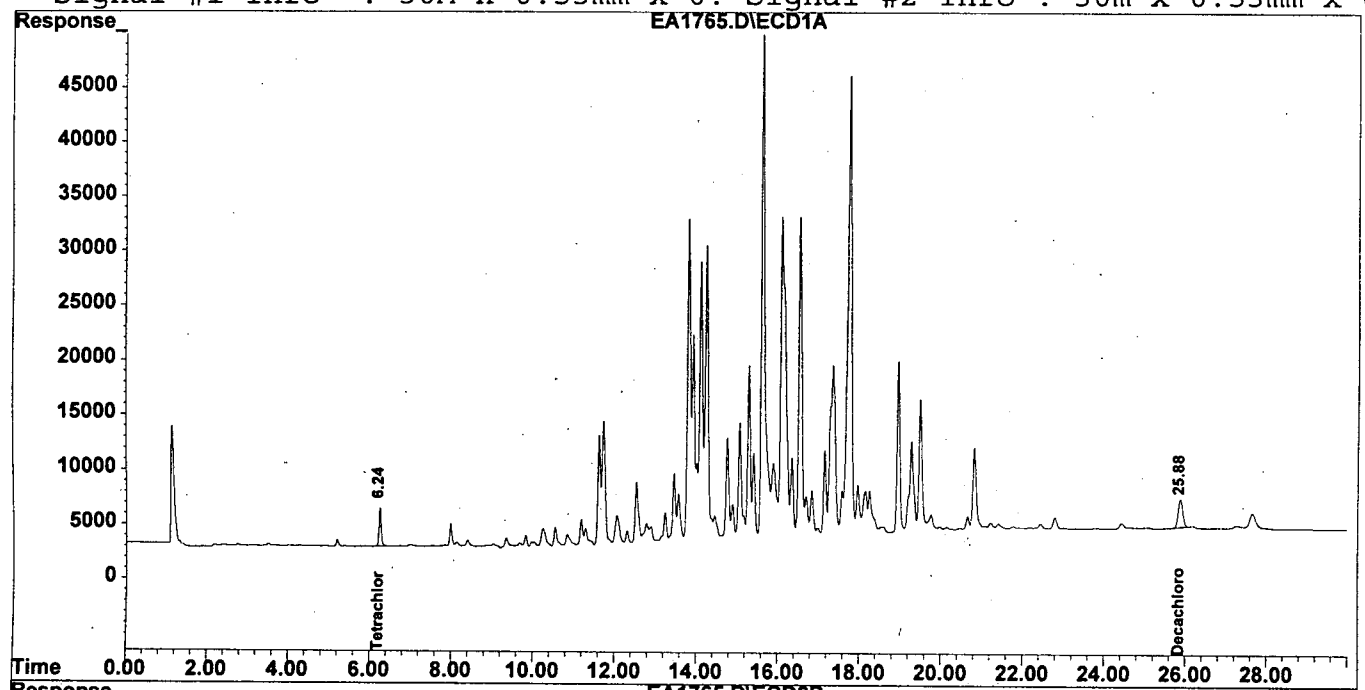
Quantitation Report

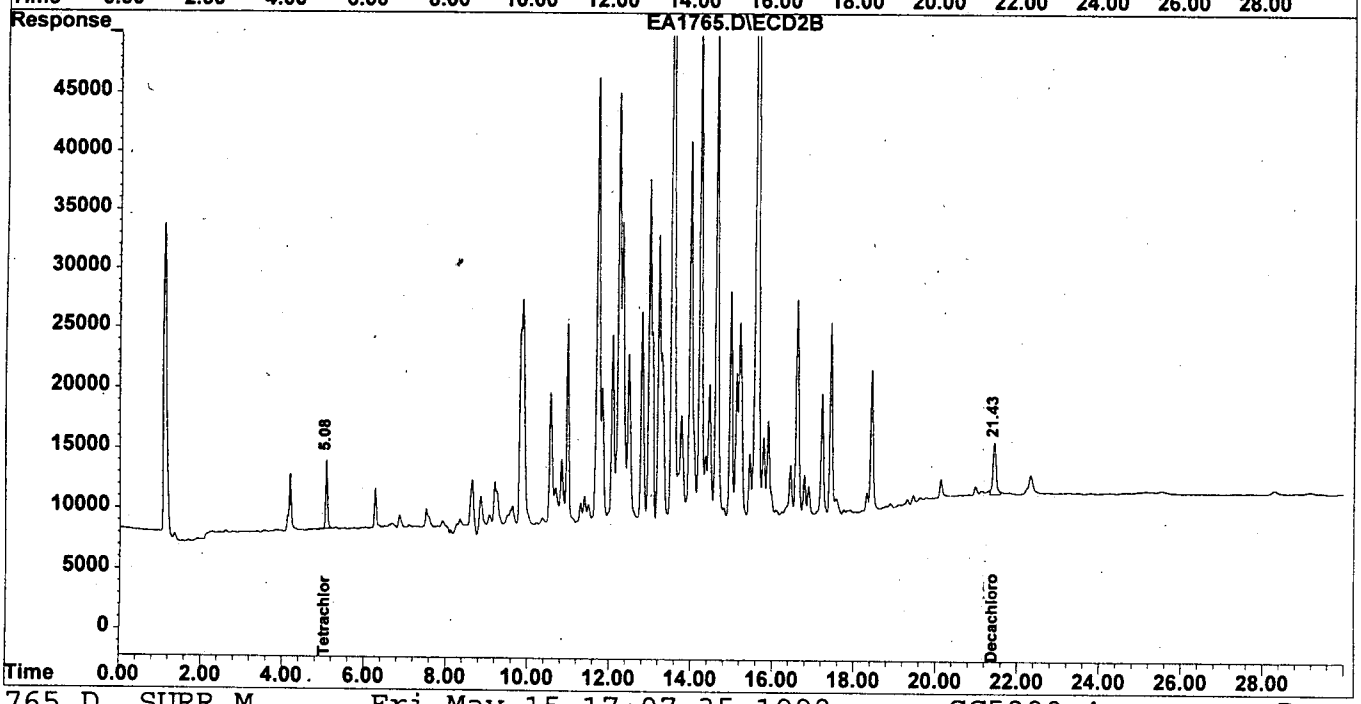
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1765.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\WESTDA~1\EA1765.D\ECD2B.CH
Acq On : 13 Dec 97 23:38 Operator:
Sample : 278209 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:57 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278210
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKND1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/14/97
Weight/Volume:	30g	Final Volume:	100ml
Dilution Factor:	10	Sample Moisture:	50.29%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	670	340
Aroclor-1221	U	U	1300	940
Aroclor-1232	U	U	670	540
Aroclor-1242	U	U	670	340
Aroclor-1248	U	U	670	400
Aroclor-1254	12000	U	670	470
Aroclor-1260	U	U	670	540

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD2B.CH
Acq On : 14 Dec 97 00:12 Operator:
Sample : 278210 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:42 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	65975	96897	4.795	4.872
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.99%#	12.18%#
2) SA Decachlorobiphen	25.90	21.44	105497	111853	4.534	5.147
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.34%#	12.87%#
Target Compounds						
5) L1 Aroclor-1016{3}	10.56	8.86	16698	48968	13.076	26.386 #
6) L1 Aroclor-1016{4}	0.00	9.26	0	67254	N.D.	79.738 #
7) L1 Aroclor-1016{5}	12.55	10.56	111309	247445	170.506	293.724 #
Sum Aroclor-1016			128007	363667	183.582	399.849
Average Aroclor-1016					91.791 NP	133.283 NP
11) L2 Aroclor-1221{4}	0.00	8.86	0	48968	N.D.	356.527 #
Sum Aroclor-1221			0	48968	N.D.	356.527
Average Aroclor-1221					0.000	356.527 NP
14) L3 Aroclor-1232{3}	10.56	8.86	16698	48968	32.834	65.083 #
15) L3 Aroclor-1232{4}	12.55	9.26	111309	67254	352.913	199.352 #
16) L3 Aroclor-1232{5}	13.47	10.56	357121	247445	1574.328	649.101 #
Sum Aroclor-1232			485128	363667	1960.076	913.536
Average Aroclor-1232					653.359 NP	304.512 NP
19) L4 Aroclor-1242{3}	10.56	8.86	16698	48968	17.179	35.108 #
20) L4 Aroclor-1242{4}	0.00	9.26	0	67254	N.D.	109.908 #
21) L4 Aroclor-1242{5}	12.55	10.56	111309	247445	199.740	374.089 #
Sum Aroclor-1242			128007	363667	216.919	519.105
Average Aroclor-1242					108.459 NP	173.035 NP
23) L5 Aroclor-1248{2}	10.56	8.86	16698	48968	19.906	40.386 #
24) L5 Aroclor-1248{3}	12.55	10.56	111309	247445	146.355	263.348 #
25) L5 Aroclor-1248{4}	13.47	10.83	357121	195690	502.784	225.615 #
26) L5 Aroclor-1248{5}	15.63	13.53	3137658	3625972	9451.878	10245.081
Sum Aroclor-1248			3622786	4118076	10120.923	10774.430
Average Aroclor-1248					2530.231 NP	2693.607 NP

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DRW 12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1766.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\WESTDA~1\EA1766.D\ECD2B.CH
Acq On : 14 Dec 97 00:12 Operator:
Sample : 278210 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:45 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	65865	101767	4.631	4.700
Spiked Amount 40.000 Range 43 - 150 Recovery =					11.58%#	11.75%#
2) SA Decachlorobiphen	25.90	21.44	105472	114319	4.484	5.011
Spiked Amount 40.000 Range 24 - 154 Recovery =					11.21%#	12.53%#

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

519A ~~5 2 0A~~

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD2B.CH
Acq On : 14 Dec 97 00:12 Operator:
Sample : 278210 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:42 1997 Quant Results File: PCB_5.RES

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Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
27) L6	Aroclor-1254{1}	11.63	9.83	244314	230912	653.029	374.623m#
28) L6	Aroclor-1254{2}	13.83	11.71	854820	1862914	1440.529	1508.211
29) L6	Aroclor-1254{3}	15.63	12.23	3137658	1788257	2414.816	1809.569 #
30) L6	Aroclor-1254{4}	16.55	13.53	1840375	3625972	2946.770	2589.592
31) L6	Aroclor-1254{5}	17.77	15.61	3592997	4214479	2962.344	3068.011
Sum	Aroclor-1254			9670164	11722534	10417.488	9350.006
Average	Aroclor-1254					2083.498	1870.001
32) L7	Aroclor-1260{1}	0.00	13.98	0	2098647	N.D.	1912.861 #
33) L7	Aroclor-1260{2}	16.55	14.62	1840375	2542569	1561.097	1746.377
34) L7	Aroclor-1260{3}	18.96	15.61	970031	4214479	1169.219	2220.692 #
35) L7	Aroclor-1260{4}	19.50	17.44	695953	714942	363.116	320.629
36) L7	Aroclor-1260{5}	20.83	18.44	471611	538238	301.805	330.449
Sum	Aroclor-1260			3977969	10108875	3395.237	6531.008
Average	Aroclor-1260					848.809 NP	1306.202 NP

DMW 12/15/97 520

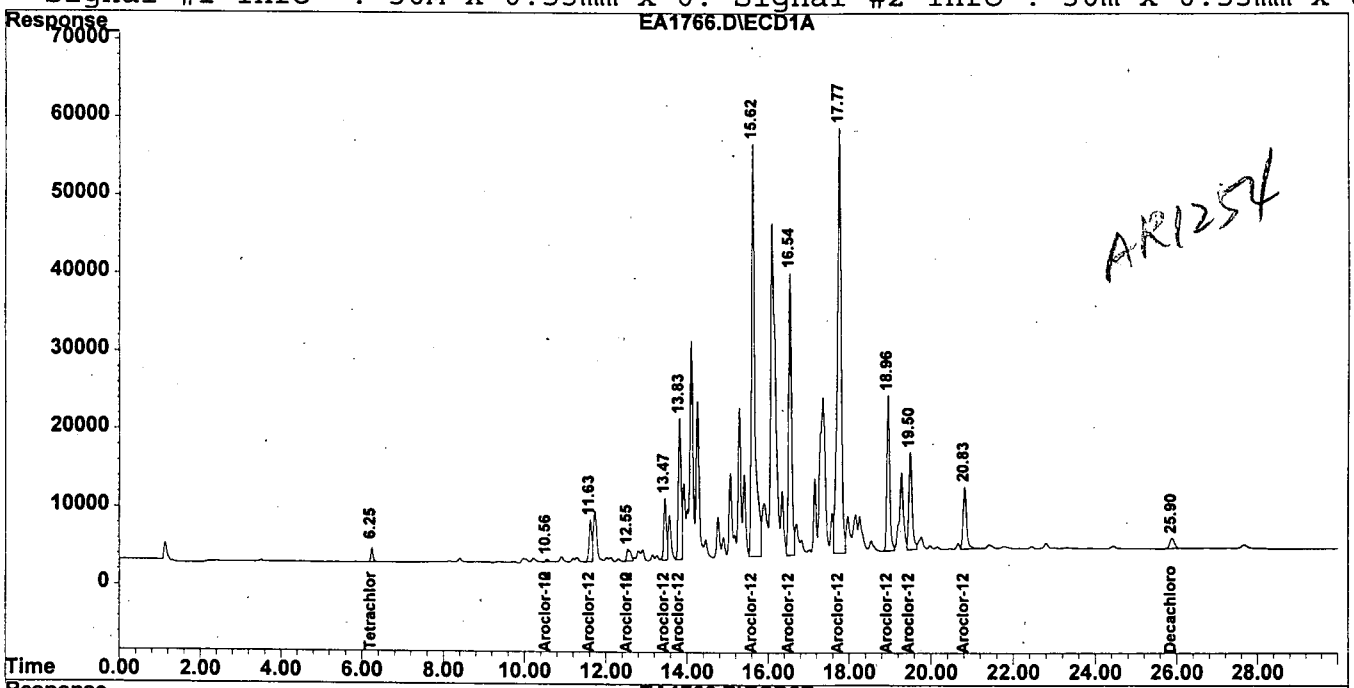
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1766.D\ECD2B.CH
Acq On : 14 Dec 97 00:12 Operator:
Sample : 278210 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:42 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



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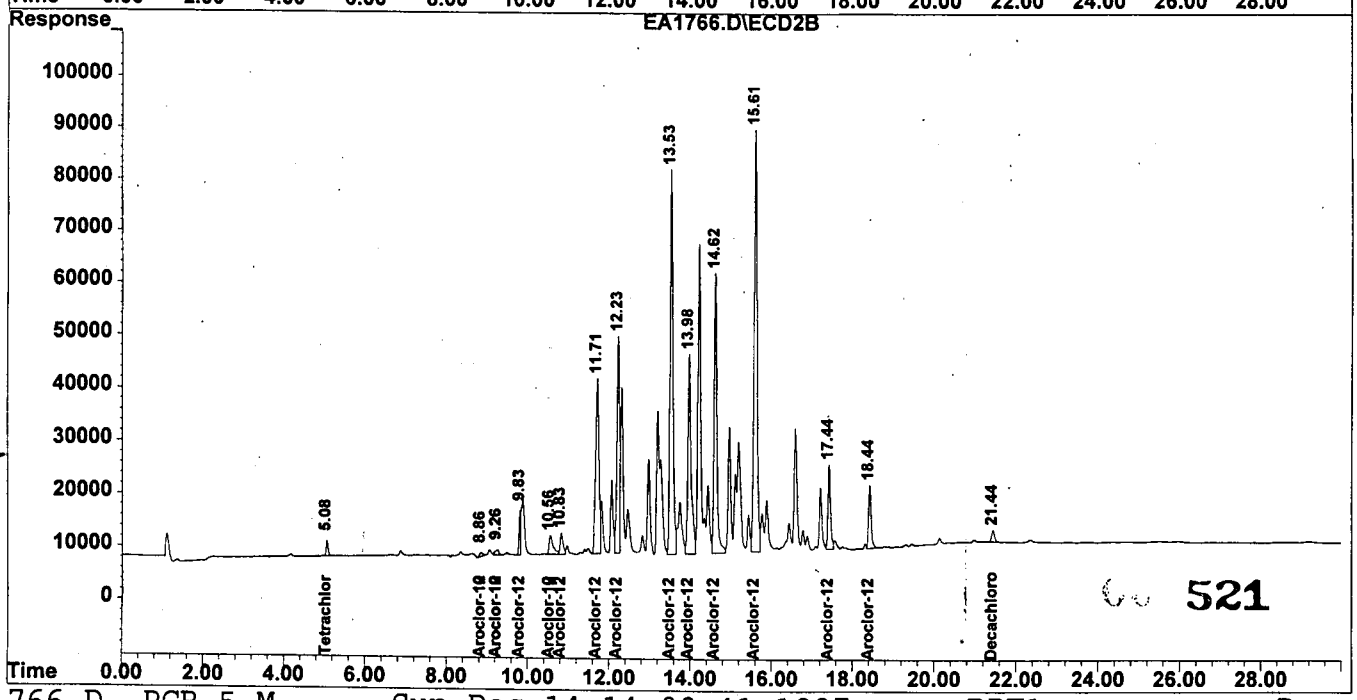

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Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1766.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\WESTDA~1\EA1766.D\ECD2B.CH
Acq On : 14 Dec 97 00:12 Operator:
Sample : 278210 1:10 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:45 1998 Quant Results File: SURR.RES

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Title : Polychlorinated Biphenyls Method by 8080 and 608.
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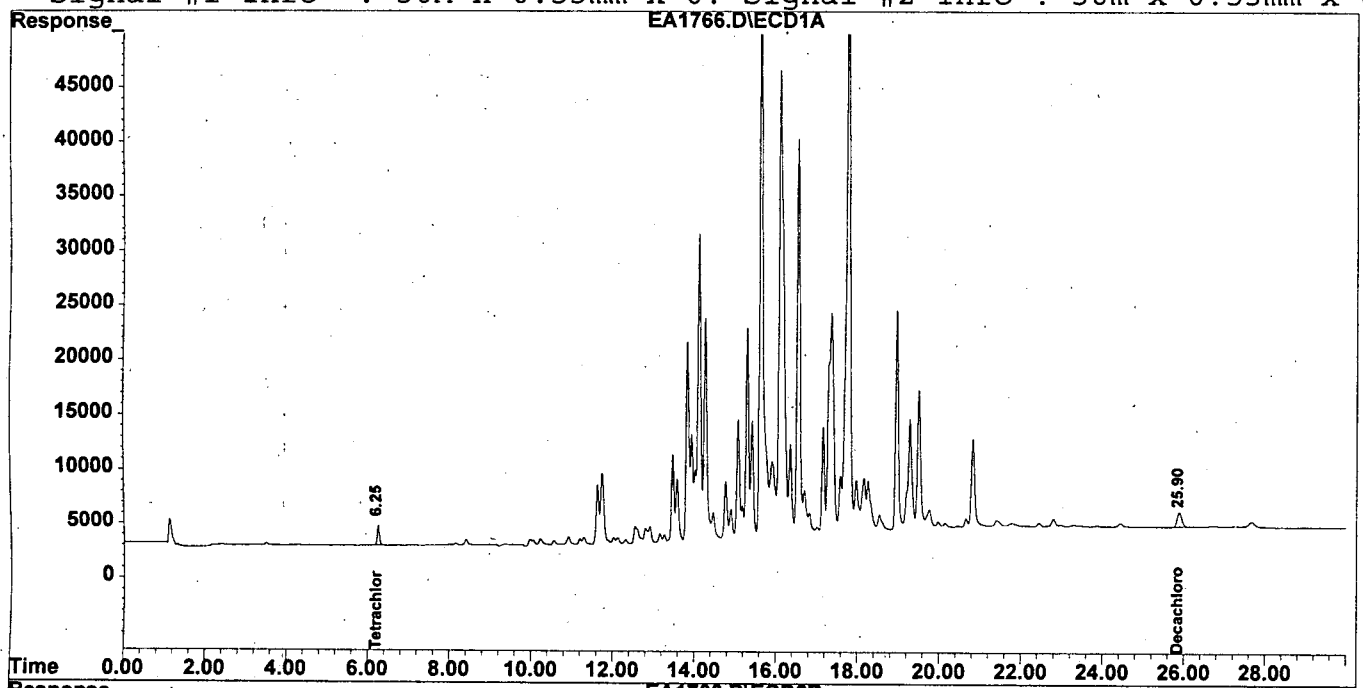
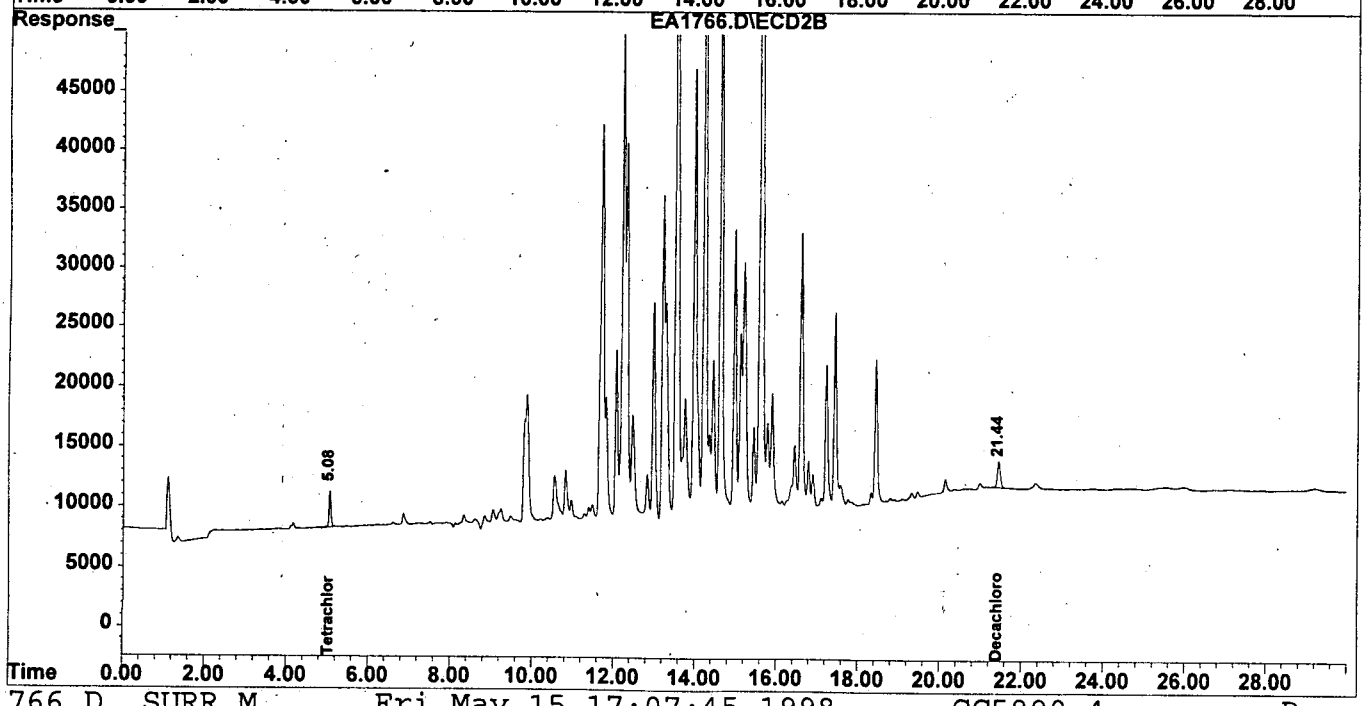
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 20, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278211
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: KKKKND2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/14/97
Weight/Volume:	30g	Final Volume:	50ml
Dilution Factor:	5	Sample Moisture:	45.01%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	300	150
Aroclor-1221	U	U	610	420
Aroclor-1232	U	U	300	240
Aroclor-1242	U	U	300	150
Aroclor-1248	~~U~~ 2800 J	U	300	180
Aroclor-1254	~~4800~~ 5800 J	U	300	210
Aroclor-1260	U	U	300	240

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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LOU

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD2B.CH
Acq On : 14 Dec 97 00:46 Operator:
Sample : 278211 1:~~205~~ 1/2 12/10/97 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	132912	197495	9.661	9.930
Spiked Amount 40.000 Range 43 - 150 Recovery =					24.15%#	24.83%#
2) SA Decachlorobiphen	25.89	21.44	225270	219578	9.682	10.105
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.21%	25.26%
Target Compounds						
4) L1 Aroclor-1016{2}	9.36	7.60	137029	133978	202.115	152.843
5) L1 Aroclor-1016{3}	10.55	8.86	966469	1469787	756.820	791.987
6) L1 Aroclor-1016{4}	0.00	9.26	0	2300822	N.D.	2727.930 #
7) L1 Aroclor-1016{5}	12.61	10.59	875902	1698250	1341.735	2015.870 #
Sum Aroclor-1016			1979400	5602837	2300.669	5639.630
Average Aroclor-1016					766.890 NP	1422.408 NP
11) L2 Aroclor-1221{4}	0.00	8.86	0	1469787	N.D.	10701.200 #
Sum Aroclor-1221			0	1469787	N.D.	10701.200
Average Aroclor-1221					0.000	10701.200
13) L3 Aroclor-1232{2}	9.36	7.60	137029	133978	441.248	364.997
14) L3 Aroclor-1232{3}	10.55	8.86	966469	1469787	1900.379	1953.462
15) L3 Aroclor-1232{4}	12.61	9.26	875902	2300822	2777.113	6820.054 #
16) L3 Aroclor-1232{5}	13.47	10.59	415132	1698250	1830.063	4454.870 #
Sum Aroclor-1232			2394532	5602837	6948.802	13593.383
Average Aroclor-1232					1737.200 NP	3398.346 NP
18) L4 Aroclor-1242{2}	9.36	7.60	137029	133978	254.893	206.472
19) L4 Aroclor-1242{3}	10.55	8.86	966469	1469787	994.284	1053.773
20) L4 Aroclor-1242{4}	0.00	9.26	0	2300822	N.D.	3760.078 #
21) L4 Aroclor-1242{5}	12.61	10.59	875902	1698250	1571.776	2567.424 #
Sum Aroclor-1242			1979400	5602837	2820.952	7587.747
Average Aroclor-1242					940.317 NP	1896.937 NP
22) L5 Aroclor-1248{1}	9.36	7.60	137029	133978	476.605	376.375
23) L5 Aroclor-1248{2}	10.55	8.86	966469	1469787	1152.122	1212.176
24) L5 Aroclor-1248{3}	12.61	10.59	875902	1698250	1151.686	1807.391 #
25) L5 Aroclor-1248{4}	13.47	10.83	415132	1954712	584.456	2253.630 #

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mw 12/15/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1767.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\WESTDA~1\EA1767.D\ECD2B.CH
Acq On : 14 Dec 97 00:46 Operator:
Sample : 278211 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:57 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	132912	199683	9.345	9.222
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.36%#	23.06%#
2) SA Decachlorobiphen	25.89	21.44	242150	281022	10.296	12.318m
Spiked Amount 40.000 Range 24 - 154 Recovery =					25.74%	30.80%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

5 234A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD2B.CH
Acq On : 14 Dec 97 00:46 Operator:
Sample : 278211 1:~~10~~5 7/22/12/12 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
26) L5	Aroclor-1248{5}	15.63	13.54	2107526	2470397	6348.708	6980.035
Sum	Aroclor-1248			4502058	7727124	9713.577	12629.607
Average	Aroclor-1248					1942.715 NP	2525.921 NP
27) L6	Aroclor-1254{1}	11.63	9.83	472772	659376	1263.675	1069.747m
28) L6	Aroclor-1254{2}	13.83	11.73	574879	3164997	968.776	2562.374 #
29) L6	Aroclor-1254{3}	15.63	12.23	2107526	1852820	1622.002	1874.902
30) L6	Aroclor-1254{4}	16.55	13.54	1212058	2470397	1940.723	1764.304
31) L6	Aroclor-1254{5}	17.77	15.61	2607739	3130831	2150.022	2279.148
Sum	Aroclor-1254			6974975	11278421	7945.197	9550.476
Average	Aroclor-1254					1589.039	1910.095
						1904.3	1972.78
32) L7	Aroclor-1260{1}	0.00	13.98	0	1459376	N.D.	1330.182 #
33) L7	Aroclor-1260{2}	16.55	14.62	1212058	1674635	1028.128	1150.232
34) L7	Aroclor-1260{3}	18.96	15.61	650530	3130831	784.111	1649.696 #
35) L7	Aroclor-1260{4}	19.50	17.44	564950	632667	294.765	283.731
36) L7	Aroclor-1260{5}	20.82	18.44	380533	451515	243.520	277.206
Sum	Aroclor-1260			2808071	7349023	2350.524	4691.048
Average	Aroclor-1260					587.631 NP	938.210 NP

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12/15/97

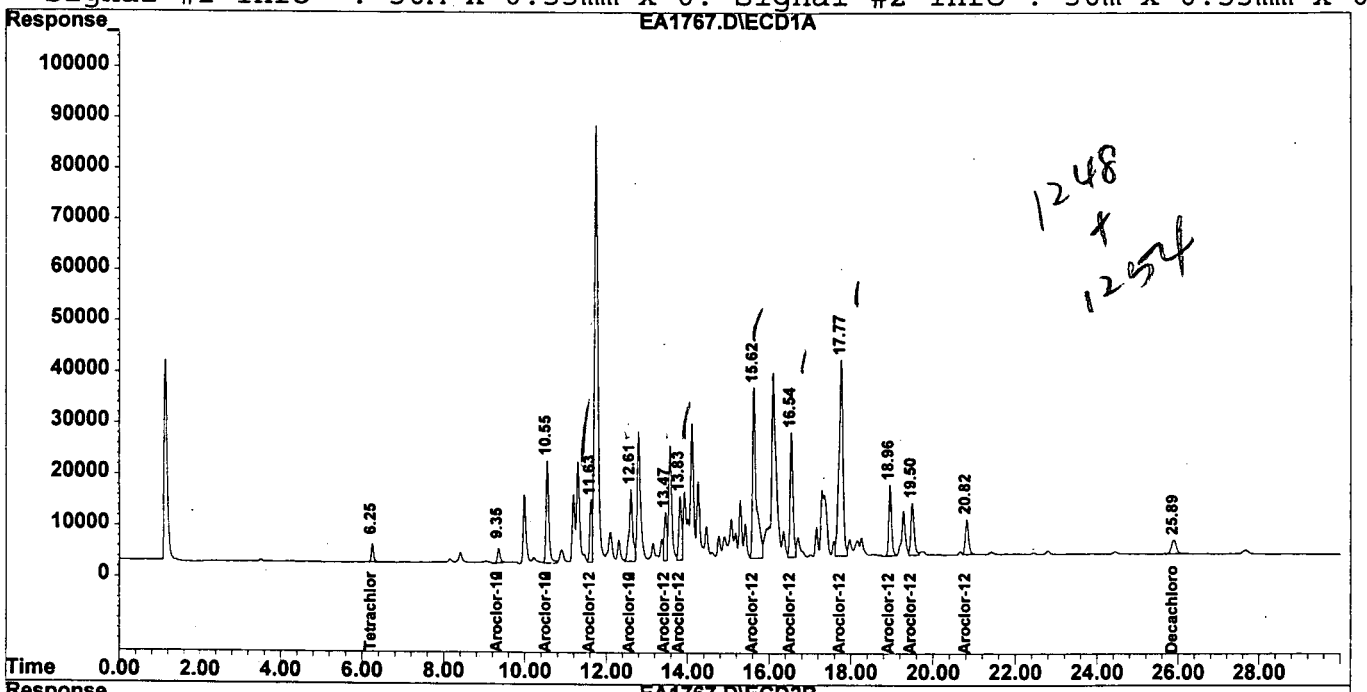
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

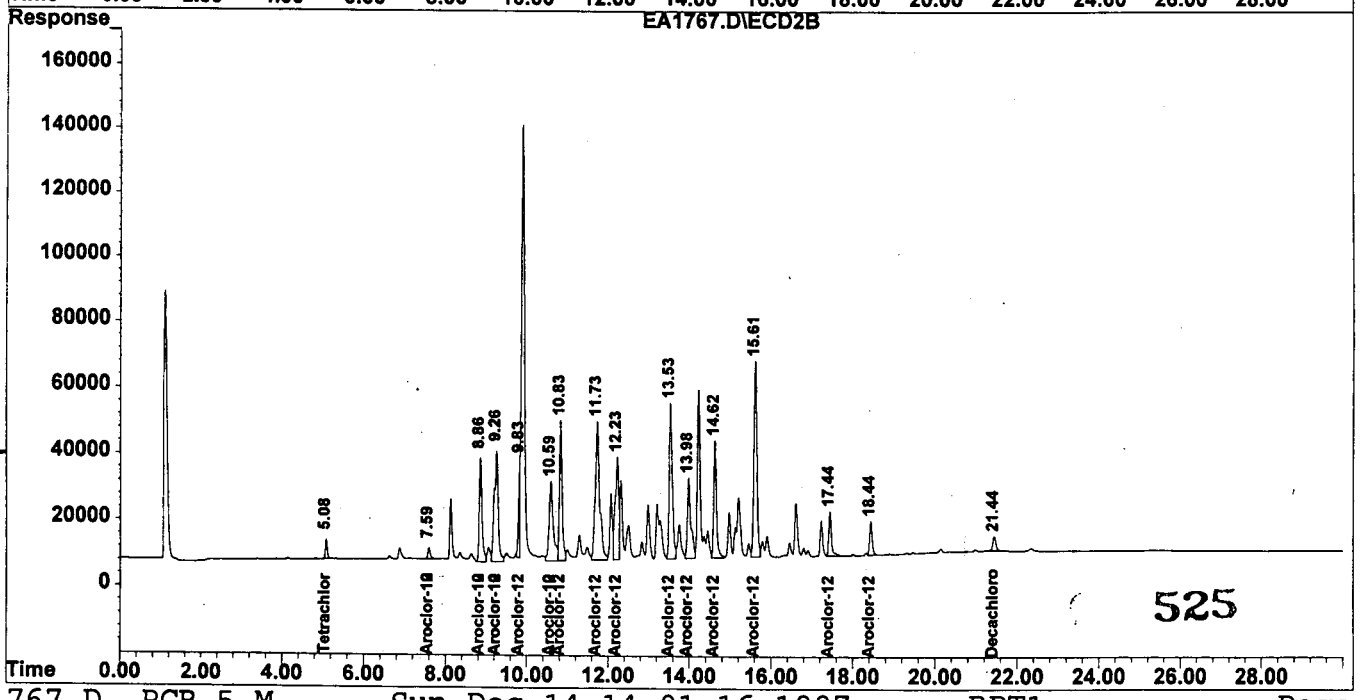
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1767.D\ECD2B.CH
Acq On : 14 Dec 97 00:46 Operator:
Sample : 278211 1:~~10~~ 5 PP 2/4/2/12 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:44 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



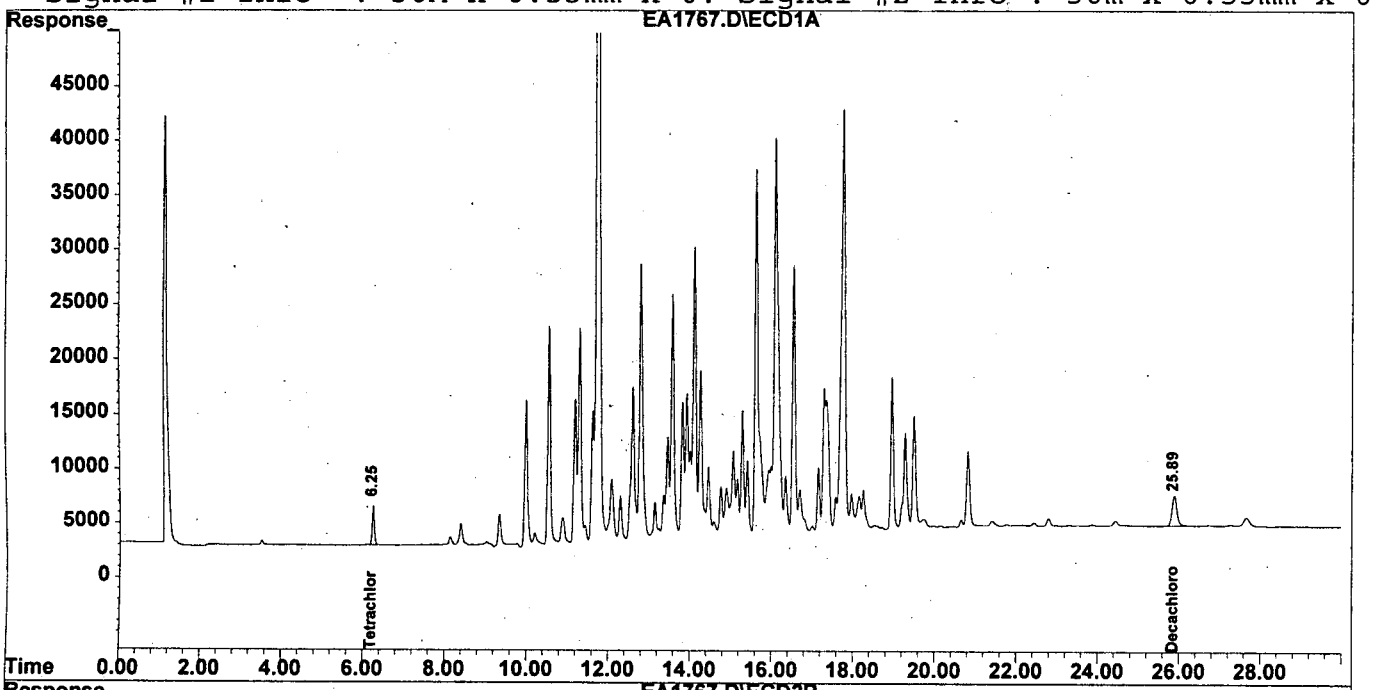


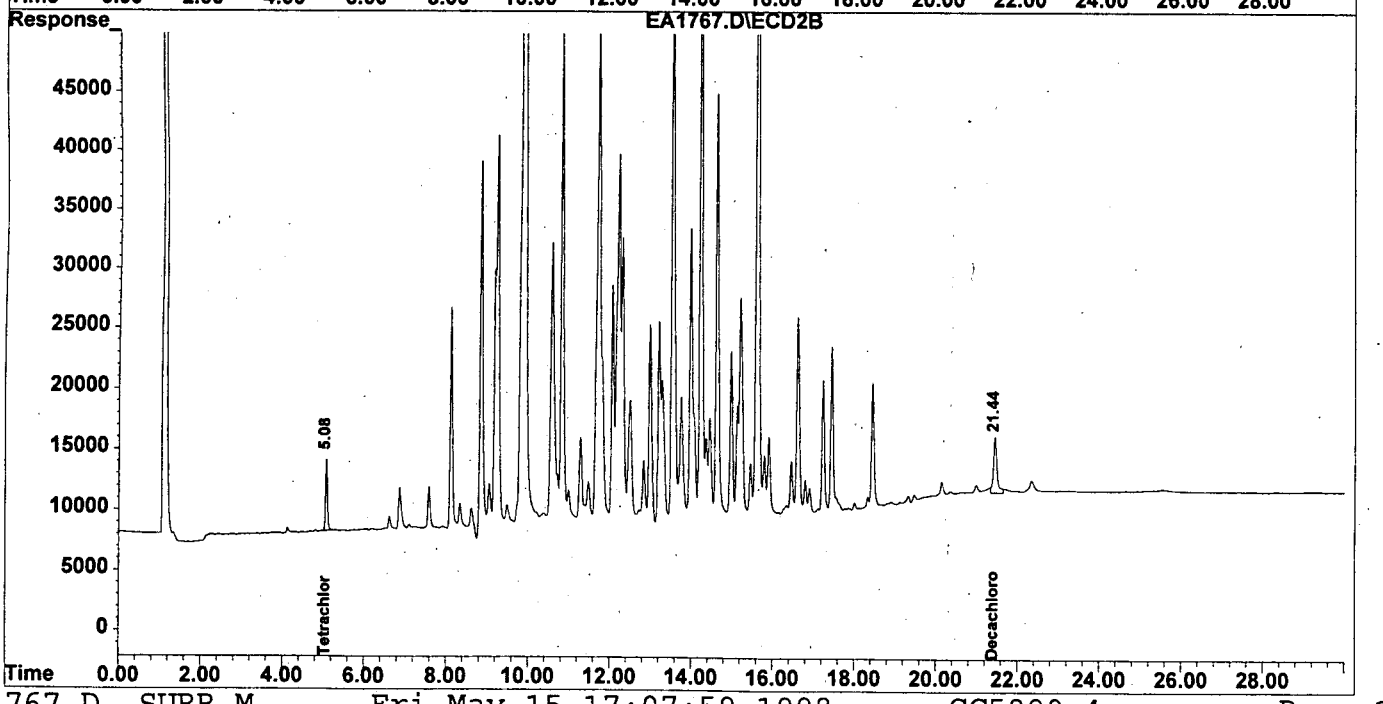
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1767.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\WESTDA~1\EA1767.D\ECD2B.CH
Acq On : 14 Dec 97 00:46 Operator:
Sample : 278211 1:5 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:57 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278212
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: LLLLNS1
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	31.79%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	49	24
Aroclor-1221	U	U	98	68
Aroclor-1232	U	U	49	39
Aroclor-1242	U	U	49	24
Aroclor-1248	U	U	49	29
Aroclor-1254	2300 J	U	49	34
Aroclor-1260	U	U	49	39

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

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Thomas Mancuso, Lab Mgr.
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NEE

J ARR54 !! pk > 5000

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD2B.CH
Acq On : 12 Dec 97 19:05 Operator:
Sample : 278212 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:30 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.26	5.09	628087	888985	45.653	44.699	
Spiked Amount 40.000 Range 43 - 150 Recovery =					114.13%	111.75%	
2) SA Decachlorobiphen	25.90	21.44	973553	897056	41.843	41.282	
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.61%	103.21%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	0.00	273374	0	821.435	N.D.	#
4) L1 Aroclor-1016{2}	9.37	7.59	118779	158139	175.196	181.587	
5) L1 Aroclor-1016{3}	10.56	8.86	252987	357504	198.108	192.639	
6) L1 Aroclor-1016{4}	0.00	9.26	0	375171	N.D.	444.815	#
7) L1 Aroclor-1016{5}	12.55	10.56	716253	1202435	1097.180	1427.324	#
Sum Aroclor-1016			1361393	2093249	2291.919	2246.365	
Average Aroclor-1016					572.980	561.591	
8) L2 Aroclor-1221{1}	5.21	0.00	65266	0	503.349	N.D.	#
9) L2 Aroclor-1221{2}	0.00	6.38	0	37886	N.D.	218.809	#
11) L2 Aroclor-1221{4}	8.00	8.86	273374	357504	670.213	2602.907	#
Sum Aroclor-1221			338640	395389	1173.562	2821.716	
Average Aroclor-1221					586.781	1410.858	
12) L3 Aroclor-1232{1}	8.00	0.00	273374	0	943.339	N.D.	#
13) L3 Aroclor-1232{2}	9.37	7.59	118779	158139	382.480	430.819	
14) L3 Aroclor-1232{3}	10.56	8.86	252987	357504	497.451	475.150	
15) L3 Aroclor-1232{4}	12.55	9.26	716253	375171	2270.935	1112.076	#
16) L3 Aroclor-1232{5}	13.47	10.56	796981	1202435	3513.405	3154.241	
Sum Aroclor-1232			2158374	2093249	7607.610	5172.286	
Average Aroclor-1232					1521.522	1293.072	
17) L4 Aroclor-1242{1}	8.00	0.00	273374	0	1048.938	N.D.	#
18) L4 Aroclor-1242{2}	9.37	7.59	118779	158139	220.945	243.707	
19) L4 Aroclor-1242{3}	10.56	8.86	252987	357504	260.268	256.315	
20) L4 Aroclor-1242{4}	0.00	9.26	0	375171	N.D.	613.117	#
21) L4 Aroclor-1242{5}	12.55	10.56	716253	1202435	1285.292	1817.848	#
Sum Aroclor-1242			1361393	2093249	2815.442	2930.986	
Average Aroclor-1242					703.860	732.747	

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12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1750.D\ECD1A.CH Vial: 46
Signal #2 : E:\WESTDATA\EA1750.D\ECD2B.CH
Acq On : 12 Dec 97 19:05 Operator:
Sample : 278212 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	628087	940767	44.159	43.449
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.40%	108.62%
2) SA Decachlorobiphen	25.90	21.44	973105	1052764	41.374	46.146
Spiked Amount 40.000 Range 24 - 154 Recovery =					103.44%	115.37%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD2B.CH
Acq On : 12 Dec 97 19:05 Operator:
Sample : 278212 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:30 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.37	7.59	118779	158139	413.129	444.249
23)	L5 Aroclor-1248{2}	10.56	8.86	252987	357504	301.584	294.844
24)	L5 Aroclor-1248{3}	12.55	10.56	716253	1202435	941.770	1279.711 #
25)	L5 Aroclor-1248{4}	13.47	10.83	796981	683967	1122.056	788.561 #
26)	L5 Aroclor-1248{5}	15.63	13.54	7570819	8700521	22806.325	24583.074
	Sum Aroclor-1248			9455819	11102565	25584.863	27390.438
	Average Aroclor-1248					5116.973	5478.088
						no	no
27)	L6 Aroclor-1254{1}	11.63	9.84	836853	877412	2236.828	1423.481m#
28)	L6 Aroclor-1254{2}	13.82	11.72	4696515	4554827	7914.487	3687.577 #
29)	L6 Aroclor-1254{3}	15.63	12.23	7570819	4105305	5826.681	4154.232 #
30)	L6 Aroclor-1254{4}	16.55	13.54	4718305	8700521	7554.852	6213.725
31)	L6 Aroclor-1254{5}	17.77	15.61	9004625	10870453	7424.110	7913.356
	Sum Aroclor-1254			26827118	29108518	30956.957	23392.371
	Average Aroclor-1254					6191.391	4678.474
32)	L7 Aroclor-1260{1}	0.00	13.98	0	4684267	N.D.	4269.586 #
33)	L7 Aroclor-1260{2}	16.55	14.63	4718305	5381335	4002.300	3696.198
34)	L7 Aroclor-1260{3}	18.96	15.61	2475849	10870453	2984.246	5727.856 #
35)	L7 Aroclor-1260{4}	19.50	17.44	2252911	2264023	1175.465	1015.342
36)	L7 Aroclor-1260{5}	20.83	18.44	1694301	1829811	1084.259	1123.406
	Sum Aroclor-1260			11141366	25029890	9246.270	15832.389
	Average Aroclor-1260					2311.567	3166.478
						no	no

12/13/97 528

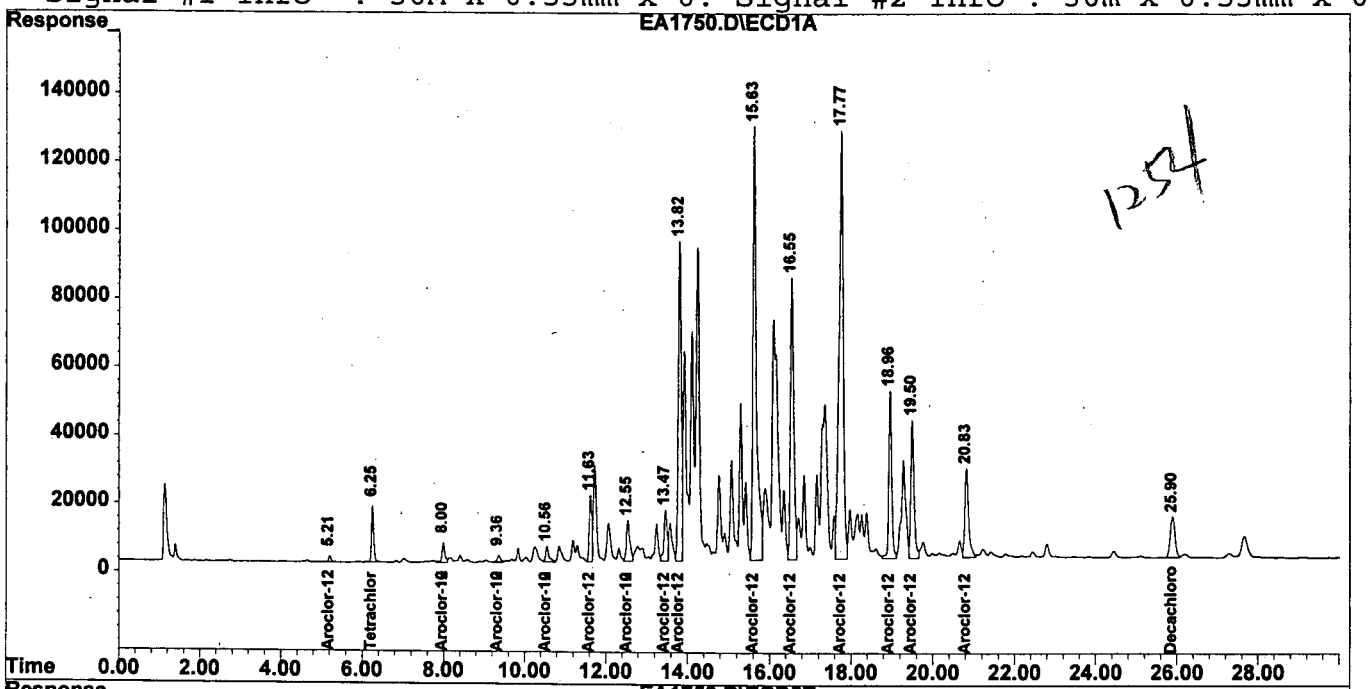
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

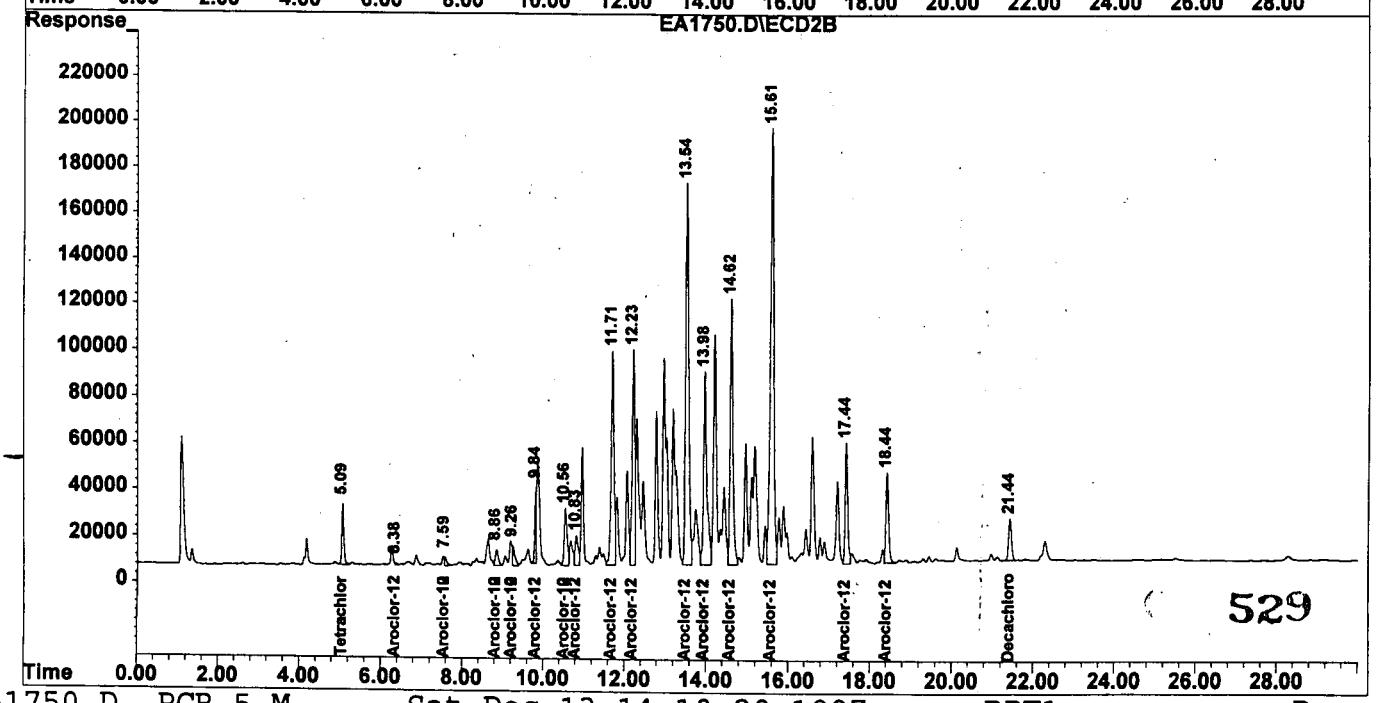
Signal #1 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_E\EA1750.D\ECD2B.CH
Acq On : 12 Dec 97 19:05 Operator:
Sample : 278212 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:30 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ



1254



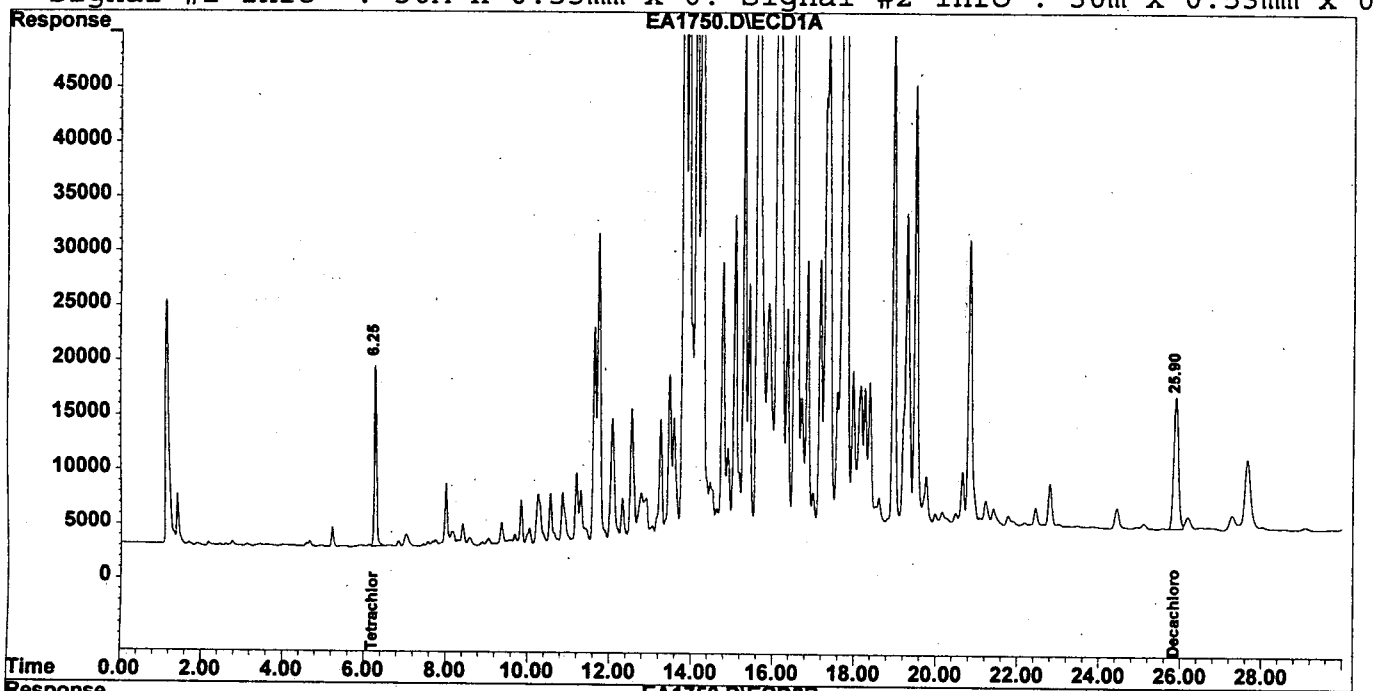
529

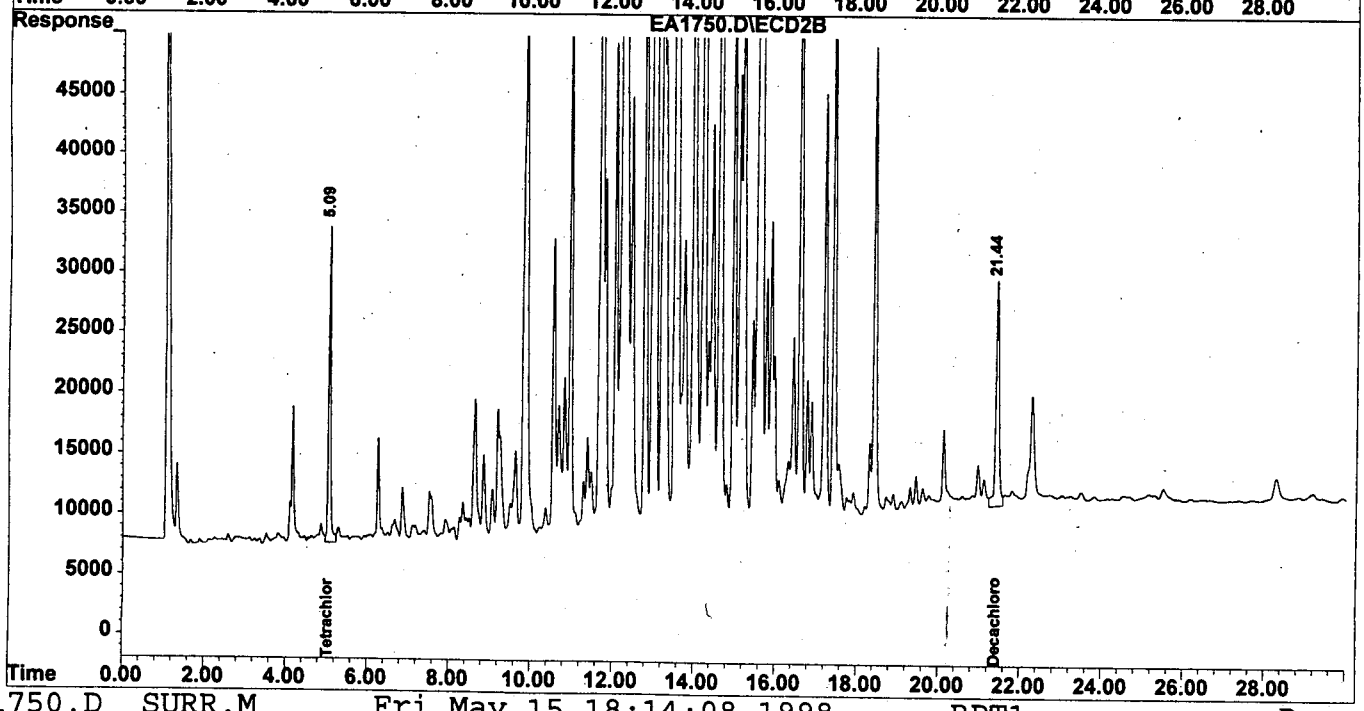
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1750.D\ECD1A.CH Vial: 46
Signal #2 : E:\WESTDATA\EA1750.D\ECD2B.CH
Acq On : 12 Dec 97 19:05 Operator:
Sample : 278212 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





529A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Results
Analysis by Gas Chromatography

Lab Number: 278213
Client: ROY F. WESTON, INC.
Sample source: RFP#2272
Sample ID: LLLLNS2
Sample date: 12/03/97
Sampled by: Customer
At lab date: 12/04/97
Matrix: SOIL

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1	Sample Moisture:	38.03%

ANALYTE NAME	RESULT UG/KG	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	U	54	27
Aroclor-1221	U	U	110	75
Aroclor-1232	U	U	54	43
Aroclor-1242	U	U	54	27
Aroclor-1248	U	U	54	32
Aroclor-1254	1700 J	U	54	38
Aroclor-1260	U	U	54	43

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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All rights reserved.
NEE

J AR1254 :: pk conc. > 500

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD2B.CH
Acq On : 12 Dec 97 19:39 Operator:
Sample : 278213 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	614273	897064	44.649	45.105	
Spiked Amount 40.000 Range 43 - 150 Recovery =					111.62%	112.76%	
2) SA Decachlorobiphen	25.88	21.43	992885	944473	42.674	43.464	
Spiked Amount 40.000 Range 24 - 154 Recovery =					106.69%	108.66%	
Target Compounds							
3) L1 Aroclor-1016{1}	7.99	0.00	138164	0	415.157	N.D.	#
4) L1 Aroclor-1016{2}	9.36	0.00	147408	0	217.423	N.D.	#
5) L1 Aroclor-1016{3}	10.56	8.85	192507	326181	150.748	175.761	
6) L1 Aroclor-1016{4}	0.00	9.20	0	639641	N.D.	758.380	#
7) L1 Aroclor-1016{5}	12.55	10.56	605273	1032428	927.176	1225.521	#
Sum Aroclor-1016			1083352	1998251	1710.504	2159.661	
Average Aroclor-1016					427.626	719.887	
8) L2 Aroclor-1221{1}	5.20	0.00	31712	0	244.575	N.D.	#
11) L2 Aroclor-1221{4}	7.99	8.85	138164	326181	338.728	2374.855	#
Sum Aroclor-1221			169877	326181	583.303	2374.855	
Average Aroclor-1221					291.652	2374.855	
12) L3 Aroclor-1232{1}	7.99	0.00	138164	0	476.768	N.D.	#
13) L3 Aroclor-1232{2}	9.36	0.00	147408	0	474.667	N.D.	#
14) L3 Aroclor-1232{3}	10.56	8.85	192507	326181	378.528	433.520	
15) L3 Aroclor-1232{4}	12.55	9.20	605273	639641	1919.063	1896.013	
16) L3 Aroclor-1232{5}	13.47	10.56	609050	1032428	2684.930	2708.277	
Sum Aroclor-1232			1692402	1998251	5933.956	5037.811	
Average Aroclor-1232					1186.791	1679.270	
17) L4 Aroclor-1242{1}	7.99	0.00	138164	0	530.138	N.D.	#
18) L4 Aroclor-1242{2}	9.36	0.00	147408	0	274.198	N.D.	#
19) L4 Aroclor-1242{3}	10.56	8.85	192507	326181	198.047	233.858	
20) L4 Aroclor-1242{4}	0.00	9.20	0	639641	N.D.	1045.323	#
21) L4 Aroclor-1242{5}	12.55	10.56	605273	1032428	1086.141	1560.830	#
Sum Aroclor-1242			1083352	1998251	2088.524	2840.011	
Average Aroclor-1242					522.131	946.670	

531

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories - Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1751.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\WESTDA~1\EA1751.D\ECD2B.CH
Acq On : 12 Dec 97 19:39 Operator:
Sample : 278213 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:40 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	613830	1012982	43.157	46.784
Spiked Amount 40.000	Range	43 - 150	Recovery	=	107.89%	116.96%
2) SA Decachlorobiphen	25.88	21.43	1007726	1102081	42.846	48.308
Spiked Amount 40.000	Range	24 - 154	Recovery	=	107.12%	120.77%
Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

532A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD2B.CH
Acq On : 12 Dec 97 19:39 Operator:
Sample : 278213 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

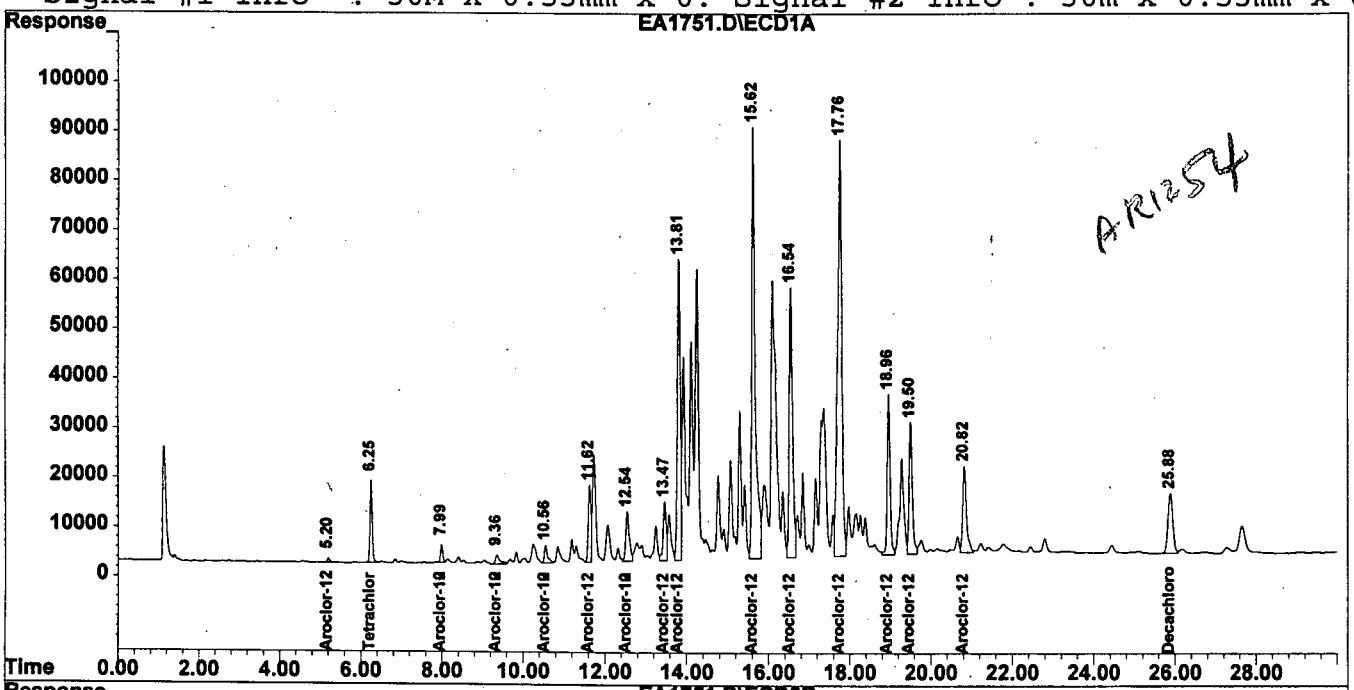
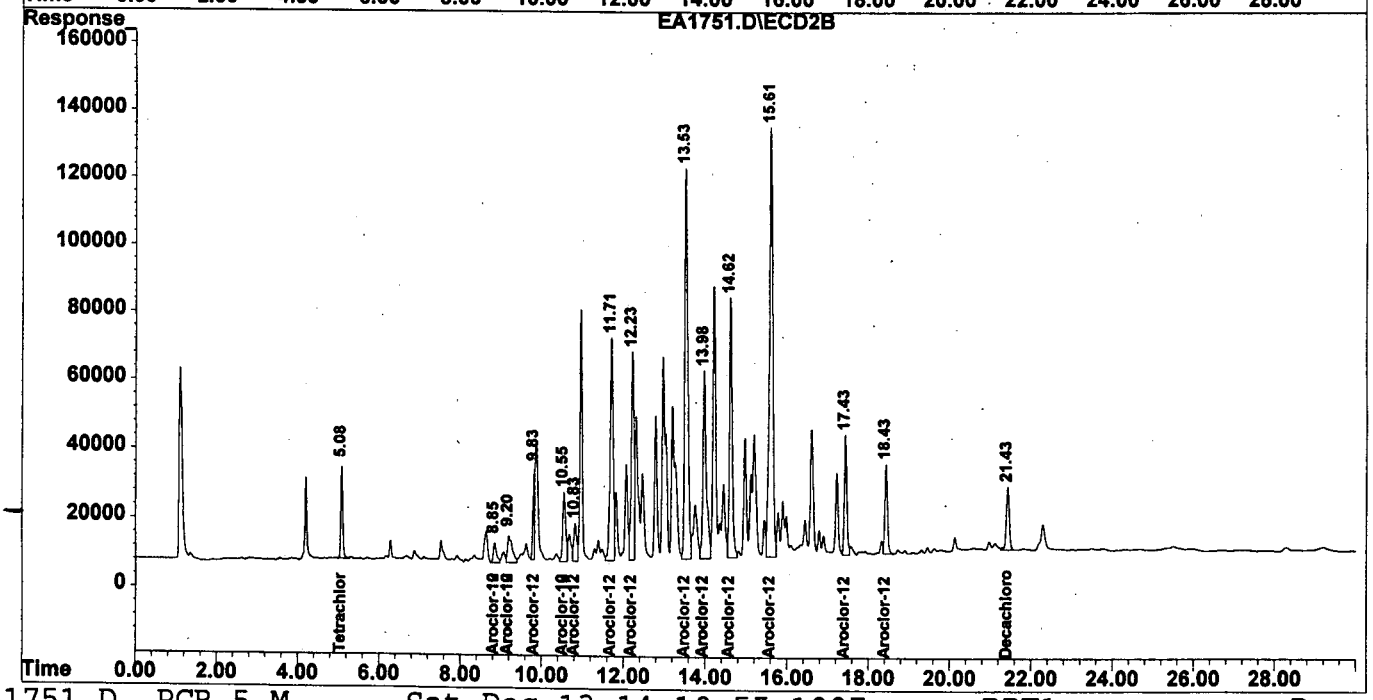
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	0.00	147408	0	512.703	N.D.	#
23)	L5 Aroclor-1248{2}	10.56	8.85	192507	326181	229.486	269.011	
24)	L5 Aroclor-1248{3}	12.55	10.56	605273	1032428	795.847	1098.778	#
25)	L5 Aroclor-1248{4}	13.47	10.83	609050	573976	857.470	661.750	
26)	L5 Aroclor-1248{5}	15.62	13.53	5175100	5964161	15589.466	16851.566	
	Sum Aroclor-1248			6729338	7896746	17984.972	18881.106	
	Average Aroclor-1248					3596.994	4720.276	
						no	no	
27)	L6 Aroclor-1254{1}	11.63	9.83	679042	688592	1815.014	1117.146	m#
28)	L6 Aroclor-1254{2}	13.81	11.71	3033870	3305228	5112.625	2675.905	#
29)	L6 Aroclor-1254{3}	15.62	12.23	5175100	2702930	3982.879	2735.143	#
30)	L6 Aroclor-1254{4}	16.55	13.53	3103979	5964161	4970.027	4259.476	
31)	L6 Aroclor-1254{5}	17.76	15.61	6030170	7314148	4971.738	5324.474	
	Sum Aroclor-1254			18022161	19975058	20852.284	16112.144	
	Average Aroclor-1254					4170.457	3222.429	
32)	L7 Aroclor-1260{1}	0.00	13.98	0	3093662	N.D.	2819.791	#
33)	L7 Aroclor-1260{2}	16.55	14.62	3103979	3535100	2632.949	2428.102	
34)	L7 Aroclor-1260{3}	18.96	15.61	1632498	7314148	1967.720	3853.969	#
35)	L7 Aroclor-1260{4}	19.50	17.43	1483039	1468146	773.781	658.417	
36)	L7 Aroclor-1260{5}	20.82	18.44	1124531	1174073	719.638	720.817	
	Sum Aroclor-1260			7344047	16585128	6094.087	10481.096	
	Average Aroclor-1260					1523.522	2096.219	
						no	no	

532

12/13/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_E\EA1751.D\ECD2B.CH
Acq On : 12 Dec 97 19:39 Operator:
Sample : 278213 Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ