SDMS Document
107197

BUILDING 700 AREA & SOUTH RI – T-LINE INVESTIGATION REPORT

Property Known As:

Former Celotex Industrial Park
One River Road
Edgewater, Bergen County, New Jersey

Prepared for:

Edgewater Enterprises, LLC
525 River Road
Edgewater, NJ

April 9, 2003

Volume 5 of 6

Submitted by:

Environmental Waste Management Associates, LLC
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EWMA Project No. 202887

302567

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
01304-006	SOIL	B8399.D	61	69	70	77	78	93
01327-006	SOIL	B8400.D	72	84	72	96	72	96
01327-007	SOIL	B8401.D	59	65	77	82	75	110
01398-009	SOIL	B8402.D	68	73	90	95	94	93

	Aqueous	Soil
S1 (2FP) = 2-Fluorophenol	43-108	37-108
S2 (PHL) = Phenol-d5	45-108	46-106
S3 (NBZ) = Nitrobenzene-d5	43-109	32-111
S4 (FBP) = 2-Fluorobiphenyl	52-116	36-136
S5 (TBP) = 2,4,6-Tribromophenol	46-131	53-141
S6 (TPH) = Terphenyl-d14	58-135	42-134

* Column to be used to flag recovery values

AQUEOUS SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: Method-bl Batch No.: B022403W

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	30.0	0.0	24.2	81	44 - 91
2-Chlorophenol	30.0	0.0	23.5	78	47 - 90
1,4-Dichlorobenzene	30.0	0.0	26.6	89	43 - 91
N-Nitroso-di-n-propylamine	30.0	0.0	26.8	89	53 - 99
1,2,4-Trichlorobenzene	30.0	0.0	22.9	76	45 - 87
4-Chloro-3-methylphenol	30.0	0.0	26.7	89	51 - 103
Acenaphthene	30.0	0.0	25.5	85	54 - 111
4-Nitrophenol	30.0	0.0	24.1	80	49 - 114
2,4-Dinitrotoluene	30.0	0.0	26.4	88	49 - 124
Pentachlorophenol	30.0	0.0	26.5	88	40 - 105
Pyrene	30.0	0.0	30.3	101	46 - 129

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	24.7	82	1	10	44 - 91
2-Chlorophenol	0.0	24.0	80	3	8	47 - 90
1,4-Dichlorobenzene	0.0	26.2	87	2	9	43 - 91
N-Nitroso-di-n-propylamine	0.0	27.0	90	1	9	53 - 99
1,2,4-Trichlorobenzene	0.0	23.4	78	3	8	45 - 87
4-Chloro-3-methylphenol	0.0	27.2	91	2	9	51 - 103
Acenaphthene	0.0	25.8	86	1	11	54 - 111
4-Nitrophenol	0.0	24.5	82	2	14	49 - 114
2,4-Dinitrotoluene	0.0	27.1	90	2	20	49 - 124
Pentachlorophenol	0.0	28.4	95	8	16	40 - 105
Pyrene	0.0	31.0	103	2	13	46 - 129

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/24/2003
Date Analyzed: 02/24/2003
Data file: B8312.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
N-Nitrosodimethylamine	30.0	0.0	27.0	90	0.0	27.8	93
Benzaldehyde	30.0	0.0	3.1	10	0.0	3.4	11
Phenol	30.0	0.0	24.2	81	0.0	24.7	82
Aniline	30.0	0.0	23.3	78	0.0	23.3	78
bis(2-Chloroethyl)ether	30.0	0.0	25.1	84	0.0	25.6	85
2-Chlorophenol	30.0	0.0	23.5	78	0.0	24.0	80
1,3-Dichlorobenzene	30.0	0.0	21.7	72	0.0	22.6	75
1,4-Dichlorobenzene	30.0	0.0	26.6	89	0.0	26.2	87
Benzyl alcohol	30.0	0.0	25.5	85	0.0	26.9	90
1,2-Dichlorobenzene	30.0	0.0	25.0	83	0.0	25.6	85
2-Methylphenol	30.0	0.0	23.4	78	0.0	24.0	80
bis(2-chloroisopropyl)ether	30.0	0.0	25.3	84	0.0	26.2	87
4-Methylphenol	30.0	0.0	25.0	83	0.0	25.6	85
N-Nitroso-di-n-propylamine	30.0	0.0	26.8	89	0.0	27.0	90
Acetophenone	30.0	0.0	25.1	84	0.0	25.4	85
2-Aminotoluene +4-Aminotoluene	60.0	0.0	48.2	80	0.0	48.8	81
Hexachloroethane	30.0	0.0	23.5	78	0.0	23.5	78
Nitrobenzene	30.0	0.0	23.4	78	0.0	23.3	78
Isophorone	30.0	0.0	27.0	90	0.0	27.2	91
2-Nitrophenol	30.0	0.0	23.6	79	0.0	24.6	82
2,4-Dimethylphenol	30.0	0.0	25.1	84	0.0	26.0	87
bis(2-Chloroethoxy)methane	30.0	0.0	25.3	84	0.0	25.2	84
Benzoic acid	30.0	0.0	20.3	68	0.0	21.8	73
2,4-Dimethylaniline	30.0	0.0	26.7	89	0.0	26.9	90
2,4-Dichlorophenol	30.0	0.0	24.4	81	0.0	25.1	84
1,2,4-Trichlorobenzene	30.0	0.0	22.9	76	0.0	23.4	78
Naphthalene	30.0	0.0	23.5	78	0.0	23.3	78
4-Chloroaniline	30.0	0.0	24.2	81	0.0	24.4	81
Hexachlorobutadiene	30.0	0.0	22.5	75	0.0	21.9	73
Caprolactam	30.0	0.0	26.8	89	0.0	28.6	95
4-Chloro-3-methylphenol	30.0	0.0	26.7	89	0.0	27.2	91
2-Methylnaphthalene	30.0	0.0	22.7	76	0.0	23.5	78
Hexachlorocyclopentadiene	30.0	0.0	18.1	60	0.0	18.7	62
2,4,6-Trichlorophenol	30.0	0.0	25.3	84	0.0	25.5	85
2,4,5-Trichlorophenol	30.0	0.0	24.0	80	0.0	24.2	81
1-1'-Biphenyl	30.0	0.0	26.9	90	0.0	26.8	89
2-Chloronaphthalene	30.0	0.0	24.9	83	0.0	25.1	84
2-Nitroaniline	30.0	0.0	24.8	83	0.0	25.0	83
Dimethylphthalate	30.0	0.0	28.9	96	0.0	28.7	96

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/24/2003
Date Analyzed: 02/24/2003
Data file: B8312.D

GC/MS Column: DB-5
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Conc. Add	Sample	Conc. MS	%Rec. MS	Sample	Conc. MSD	%Rec. MSD
2,6-Dinitrotoluene	30.0	0.0	26.9	90	0.0	26.8	89
Acenaphthylene	30.0	0.0	26.6	89	0.0	26.0	87
3-Nitroaniline	30.0	0.0	25.4	85	0.0	25.8	86
Acenaphthene	30.0	0.0	25.5	85	0.0	25.8	86
2,4-Dinitrophenol	30.0	0.0	21.9	73	0.0	24.7	82
4-Nitrophenol	30.0	0.0	24.1	80	0.0	24.5	82
2,4-Dinitrotoluene	30.0	0.0	26.4	88	0.0	27.1	90
Dibenzofuran	30.0	0.0	25.7	86	0.0	25.7	86
Diethylphthalate	30.0	0.0	26.7	89	0.0	27.2	91
Fluorene	30.0	0.0	26.6	89	0.0	26.6	89
4-Chlorophenyl-phenylether	30.0	0.0	26.2	87	0.0	26.1	87
4-Nitroaniline	30.0	0.0	20.2	67	0.0	20.1	67
4,6-Dinitro-2-methylphenol	30.0	0.0	27.1	90	0.0	28.3	94
N-Nitrosodiphenylamine	30.0	0.0	32.8	109	0.0	33.1	110
1,2-Diphenylhydrazine/Azobenzene	30.0	0.0	27.3	91	0.0	27.8	93
4-Bromophenyl-phenylether	30.0	0.0	29.7	99	0.0	30.4	101
Hexachlorobenzene	30.0	0.0	30.6	102	0.0	31.3	104
Atrazine	30.0	0.0	26.6	89	0.0	28.4	95
Pentachlorophenol	30.0	0.0	26.5	88	0.0	28.4	95
Phenanthrene	30.0	0.0	28.7	96	0.0	28.7	96
Anthracene	30.0	0.0	28.9	96	0.0	30.4	101
Carbazole	30.0	0.0	29.5	98	0.0	30.8	103
Di-n-butylphthalate	30.0	0.0	31.7	106	0.0	32.7	109
Fluoranthene	30.0	0.0	28.8	96	0.0	30.2	101
Benzidine	30.0	0.0	12.4	41	0.0	11.5	38
Pyrene	30.0	0.0	30.3	101	0.0	31.0	103
3,3'-Dimethylbenzidine	30.0	0.0	11.8	39	0.0	11.9	40
Butylbenzylphthalate	30.0	0.0	32.0	107	0.0	32.9	110
3,3'-Dichlorobenzidine	30.0	0.0	34.4	115	0.0	34.5	115
Benzo[a]anthracene	30.0	0.0	30.3	101	0.0	30.6	102
Chrysene	30.0	0.0	30.6	102	0.0	30.9	103
bis(2-Ethylhexyl)phthalate	30.0	0.0	32.4	108	0.0	33.2	111
Di-n-octylphthalate	30.0	0.0	23.9	80	0.0	25.5	85
Benzo[b]fluoranthene	30.0	0.0	23.6	79	0.0	24.3	81
Benzo[k]fluoranthene	30.0	0.0	24.8	83	0.0	25.2	84
Benzo[a]pyrene	30.0	0.0	26.1	87	0.0	26.5	88
Indeno[1,2,3-cd]pyrene	30.0	0.0	30.4	101	0.0	30.2	101
Dibenz[a,h]anthracene	30.0	0.0	33.1	110	0.0	31.8	106
Benzo[g,h,i]perylene	30.0	0.0	30.5	102	0.0	30.1	100

SOIL SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: MSD(01327-010) Batch No.: C022503S

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100.0	0.0	55.5	56	40 - 89
2-Chlorophenol	100.0	0.0	55.1	55	44 - 88
1,4-Dichlorobenzene	50.0	0.0	30.3	61	41 - 89
N-Nitroso-di-n-propylamine	50.0	0.0	37.0	74	36 - 98
1,2,4-Trichlorobenzene	50.0	0.0	33.5	67	40 - 93
4-Chloro-3-methylphenol	100.0	0.0	68.9	69	45 - 98
Acenaphthene	50.0	0.0	41.3	83	49 - 112
4-Nitrophenol	100.0	0.0	68.3	68	28 - 106
2,4-Dinitrotoluene	50.0	0.0	38.7	77	24 - 102
Pentachlorophenol	100.0	0.0	68.7	69	55 - 120
Pyrene	50.0	0.8	51.5	101	50 - 127

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	60.7		61	9		16	40 - 89
2-Chlorophenol	0.0	57.2		57	4		17	44 - 88
1,4-Dichlorobenzene	0.0	30.0		60	2		18	41 - 89
N-Nitroso-di-n-propylamine	0.0	37.2		74	0		21	36 - 98
1,2,4-Trichlorobenzene	0.0	32.4		65	3		19	40 - 93
4-Chloro-3-methylphenol	0.0	71.5		72	4		19	45 - 98
Acenaphthene	0.0	42.3		85	2		21	49 - 112
4-Nitrophenol	0.0	69.7		70	3		22	28 - 106
2,4-Dinitrotoluene	0.0	38.2		76	1		23	24 - 102
Pentachlorophenol	0.0	70.0		70	1		21	55 - 120
Pyrene	0.8	47.3		93	8		21	50 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __11__ outside limits

Spike Recovery: __0___ out of __22__ outside limits

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:26

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	59380	2.39	239438	2.93	120833	3.69
	UPPER LIMIT	118760	2.89	478876	3.43	241666	4.19
	LOWER LIMIT	29690	1.89	119719	2.43	60417	3.19
	LAB SAMPLE ID						
01	50ng_BNA-inj-for_02/	49860	2.39	192099	2.93	102403	3.69
02	80ng_BNA-inj-for_02/	57705	2.39	232733	2.93	122424	3.69
03	10ng_BNA-inj-for_02/	55687	2.39	224929	2.93	124271	3.69
04	5ng_BNA-inj-for_02/1	54798	2.39	231648	2.93	128667	3.69
05	20ng_OLM04-inj-for_0	54848	2.39	234447	2.93	128565	3.69
06	50ng_OLM04-inj-for_0	56849	2.39	240974	2.93	129777	3.69
07	80ng_OLM04-inj-for_0	60118	2.39	253598	2.93	135327	3.69
08	10ng_OLM04-inj-for_0	54534	2.39	240325	2.93	131995	3.69
09	5ng_OLM04-inj-for_02	60271	2.39	268823	2.93	143970	3.69
10	Method-blk	64999	2.39	261671	2.93	135260	3.69
11	DI-MS	68346	2.39	253831	2.93	132659	3.69
12	DI-MSD	66835	2.39	257286	2.93	132970	3.69
13	01180-001	67147	2.39	271280	2.93	140783	3.69
14	01180-002	59930	2.39	245423	2.93	126572	3.69
15	01180-003	72278	2.39	293727	2.93	150142	3.69
16	01180-004	69765	2.39	277099	2.93	127202	3.68
17	01186-006	69084	2.39	288410	2.93	149680	3.69
18	01187-001	63294	2.39	254935	2.93	130603	3.69
19	01188-001	64470	2.39	270475	2.93	133321	3.69
20	01189-001	64188	2.39	254135	2.93	125675	3.69
21	01185-001	45376	2.39	190731	2.93	95598	3.69
22	Method-Blank	62652	2.39	263092	2.93	139591	3.69

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:26

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	50ng_BNA-inj-for_02/	190403	4.34	128401	6.14	68297	7.42
02	80ng_BNA-inj-for_02/	208086	4.34	140062	6.14	73209	7.43
03	10ng_BNA-inj-for_02/	242604	4.34	172528	6.14	103489	7.42
04	5ng_BNA-inj-for_02/1	246815	4.34	180777	6.13	107483	7.43
05	20ng_OLM04-inj-for_0	234412	4.34	170574	6.13	97952	7.44
06	50ng_OLM04-inj-for_0	230976	4.34	160113	6.14	94366	7.42
07	80ng_OLM04-inj-for_0	239434	4.34	164600	6.13	95483	7.43
08	10ng_OLM04-inj-for_0	238348	4.34	177235	6.13	100039	7.43
09	5ng_OLM04-inj-for_02	263007	4.34	182980	6.14	100613	7.42
10	Method-blk	245331	4.35	169496	6.14	95970	7.44
11	DI-MS	233091	4.34	143886	6.13	76808	7.43
12	DI-MSD	237589	4.34	146181	6.14	76782	7.42
13	01180-001	229481	4.34	132591	6.13	79253	7.43
14	01180-002	223380	4.34	141122	6.13	82763	7.42
15	01180-003	252813	4.34	147681	6.14	79214	7.42
16	01180-004	214805	4.34	149712	6.14	82514	7.42
17	01186-006	249380	4.34	158055	6.13	82939	7.42
18	01187-001	218883	4.34	145484	6.13	78242	7.43
19	01188-001	229371	4.34	151218	6.13	81021	7.42
20	01189-001	206706	4.34	131559	6.12	73268	7.44
21	01185-001	164232	4.34	124453	6.13	71812	7.42
22	Method-Blank	230145	4.34	148620	6.13	79343	7.43

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:26

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	59380	2.39	239438	2.93	120833	3.69
	UPPER LIMIT	118760	2.89	478876	3.43	241666	4.19
	LOWER LIMIT	29690	1.89	119719	2.43	60417	3.19
	LAB SAMPLE ID						
01	di-ms	68201	2.39	257609	2.93	134033	3.69
02	di-msd	65614	2.39	258005	2.93	130347	3.69
03	01201-001	70057	2.39	286520	2.93	148450	3.69
04	01201-002	70385	2.39	289014	2.93	149890	3.69
05	01207-001	69670	2.39	277347	2.93	143823	3.69
06	01207-002	67597	2.39	279324	2.93	146991	3.69
07	01229-004	66222	2.39	254678	2.93	123852	3.69
08	01229-007	68651	2.39	269717	2.93	139732	3.69
09	01229-015	68784	2.39	263409	2.93	119730	3.69
10	01199-001	68530	2.39	279967	2.93	131093	3.69
11	01202-001	69831	2.39	294665	2.93	149380	3.69
12	01202-002	62419	2.39	264803	2.93	141475	3.69
13	01202-003	67107	2.39	277836	2.93	143698	3.69
14	01204-001	55297	2.39	226071	2.93	105098	3.70
15	01238-001	69075	2.39	286505	2.93	146652	3.69
16	01238-002	56101	2.39	217635	2.93	107268	3.70
17	01238-003	65204	2.39	273080	2.93	129292	3.69
18	01238-004	61097	2.39	257407	2.93	122608	3.69
19	01238-005	61335	2.39	249440	2.93	128752	3.69
20	01247-001	49014	2.39	199887	2.93	94985	3.70
21	01224-001	68584	2.39	280555	2.93	143486	3.69
22	01224-001	66939	2.39	279404	2.93	146159	3.69

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:26

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	di-ms	231410	4.34	135975	6.14	72100	7.42
02	di-msd	221569	4.34	135505	6.14	71789	7.42
03	01201-001	244256	4.34	156670	6.12	82602	7.44
04	01201-002	246764	4.34	157811	6.14	82135	7.42
05	01207-001	238209	4.34	149937	6.14	80498	7.42
06	01207-002	236836	4.34	148945	6.13	78800	7.42
07	01229-004	201506	4.34	117828	6.13	67815	7.43
08	01229-007	226413	4.34	137721	6.13	74449	7.42
09	01229-015	191813	4.34	119611	6.13	68792	7.43
10	01199-001	212584	4.34	138482	6.14	77582	7.42
11	01202-001	246611	4.34	150250	6.14	80050	7.42
12	01202-002	224154	4.34	139859	6.13	76012	7.42
13	01202-003	231860	4.34	144095	6.13	76183	7.42
14	01204-001	162248	4.35	90031	6.14	63149	7.42
15	01238-001	232595	4.34	143282	6.13	74376	7.42
16	01238-002	171987	4.35	97195	6.14	65612	7.42
17	01238-003	194947	4.34	111437	6.13	67763	7.42
18	01238-004	190340	4.34	111319	6.13	66118	7.42
19	01238-005	202774	4.34	120761	6.13	67423	7.42
20	01247-001	140067	4.35	76631*	6.14	57189	7.42
21	01224-001	234772	4.34	142696	6.14	76633	7.42
22	01224-001	231634	4.34	135182	6.13	72683	7.42

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	59380	2.39	239438	2.93	120833	3.69
	UPPER LIMIT	118760	2.89	478876	3.43	241666	4.19
	LOWER LIMIT	29690	1.89	119719	2.43	60417	3.19
	LAB SAMPLE ID						
01	01229-004	58486	2.39	237594	2.93	122080	3.69
02	01199-001	63233	2.39	255327	2.93	122882	3.69
03	01204-001	58812	2.39	225464	2.93	116485	3.69
04	01238-002	60046	2.39	235834	2.93	123540	3.69
05	01247-001	58975	2.39	225993	2.93	114221	3.69
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

 # Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8214.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:26

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	227908	4.34	154048	6.14	88529	7.44
	UPPER LIMIT	455816	4.84	308096	6.64	177058	7.94
	LOWER LIMIT	113954	3.84	77024	5.64	44265	6.94
	LAB SAMPLE ID						
01	01229-004	207214	4.35	143981	6.14	81416	7.44
02	01199-001	204476	4.34	134267	6.13	76379	7.43
03	01204-001	173908	4.35	110622	6.14	73644	7.42
04	01238-002	177521	4.34	124925	6.13	77124	7.42
05	01247-001	168094	4.34	109131	6.13	71339	7.43
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8310.D

Date Analyzed: 02/24/2003

Instrument ID: MSDB

Time Analyzed: 09:24

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	24 HOUR STD	67577	2.39	272882	2.93	142408	3.69
	UPPER LIMIT	135154	2.89	545764	3.43	284816	4.19
	LOWER LIMIT	33789	1.89	136441	2.43	71204	3.19
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	55860	2.39	238796	2.93	131266	3.69
02	Method-blk	49849	2.39	202197	2.93	107480	3.69
03	DI-MS	49834	2.39	200254	2.93	103544	3.69
04	DI-MSD	53593	2.39	218434	2.93	116376	3.69
05	01304-001	53999	2.39	221266	2.93	118833	3.69
06	01315-001	52392	2.39	214608	2.93	115494	3.69
07	01315-003	53273	2.39	223011	2.93	121368	3.69
08	01310-001	47840	2.39	194716	2.93	96167	3.69
09	01311-001	56693	2.39	226249	2.93	117556	3.69
10	01319-001	47163	2.39	195283	2.93	94032	3.69
11	01319-002	45889	2.39	184004	2.93	166957	3.69
12	01319-002	49625	2.39	200428	2.93	115843	3.69
13	01320-001	45756	2.39	185844	2.93	97028	3.69
14	01320-002	50321	2.39	201298	2.93	101506	3.69
15	01321-001	48906	2.39	205567	2.93	108412	3.69
16	01327-001	54787	2.39	221937	2.93	120293	3.69
17	01336-001	54724	2.39	216040	2.93	108440	3.69
18	01341-006	53274	2.39	215964	2.93	115053	3.69
19	01341-007	52559	2.39	221405	2.93	116063	3.69
20	01341-008	48253	2.39	199904	2.93	107500	3.69
21	01341-009	49240	2.39	198150	2.93	103073	3.69
22	01341-010	56702	2.39	233710	2.93	125222	3.69

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8310.D Date Analyzed: 02/24/2003

Instrument ID: MSDB Time Analyzed: 09:24

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	24 HOUR STD	228477	4.34	131736	6.13	75529	7.43
	UPPER LIMIT	456954	4.84	263472	6.63	151058	7.93
	LOWER LIMIT	114239	3.84	65868	5.63	37765	6.93
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	227057	4.34	151623	6.13	84198	7.42
02	Method-blk	177149	4.34	107538	6.13	75362	7.42
03	DI-MS	170100	4.34	103411	6.13	73049	7.42
04	DI-MSD	185641	4.34	115257	6.13	76830	7.42
05	01304-001	188804	4.34	113733	6.14	77502	7.42
06	01315-001	187875	4.34	116057	6.13	76906	7.42
07	01315-003	200902	4.34	124379	6.13	80984	7.42
08	01310-001	144550	4.34	97973	6.13	73103	7.42
09	01311-001	185743	4.34	115182	6.13	76415	7.42
10	01319-001	157744	4.34	108699	6.13	76803	7.42
11	01319-002	145870	4.34	93029	6.11	70620	7.44
12	01319-002	153712	4.34	108909	6.13	76767	7.42
13	01320-001	160896	4.34	112941	6.13	78294	7.42
14	01320-002	146010	4.34	94354	6.13	69801	7.42
15	01321-001	179268	4.34	114399	6.12	77866	7.43
16	01327-001	198721	4.34	122715	6.13	79658	7.42
17	01336-001	156112	4.34	100493	6.12	73319	7.43
18	01341-006	190696	4.34	123069	6.13	82148	7.42
19	01341-007	190634	4.34	119953	6.13	79127	7.42
20	01341-008	178828	4.34	116110	6.13	76084	7.42
21	01341-009	166350	4.34	103560	6.13	74401	7.42
22	01341-010	194824	4.34	119837	6.13	80763	7.42

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	112737	2.34	458429	2.87	243155	3.63
	UPPER LIMIT	225474	2.84	916858	3.37	486310	4.13
	LOWER LIMIT	56369	1.84	229215	2.37	121578	3.13
	LAB SAMPLE ID						
01	50ng-INJ-BNA	111280	2.34	453652	2.87	232973	3.62
02	120ng-INJ-BNA	104959	2.34	436253	2.87	223926	3.62
03	160ng-INJ-BNA	104263	2.34	419261	2.88	198040	3.62
04	20ng-INJ-BNA	115476	2.34	480904	2.87	252458	3.62
05	160ng-INJ-OLMO4	105174	2.34	396868	2.87	219005	3.62
06	120ng-INJ-OLMO4	109888	2.34	402620	2.87	215487	3.62
07	50ng-INJ-OLMO4	92799	2.34	362388	2.87	197842	3.62
08	20ng-INJ-OLMO4	104095	2.34	386839	2.87	214205	3.62
09	80ng-INJ-OLMO4	103357	2.34	396456	2.87	225652	3.62
10	Method-blk	115555	2.34	430406	2.87	243501	3.62
11	LCS	111192	2.34	463247	2.87	230402	3.62
12	MS(00806-002)	115029	2.34	431578	2.87	247052	3.62
13	MSD(00806-002)	114167	2.34	426205	2.87	237112	3.62
14	00806-002	113226	2.34	424898	2.87	223378	3.62
15	00806-003	111359	2.34	444637	2.87	234232	3.62
16	00806-004	106320	2.34	396453	2.87	215178	3.62
17	00806-005	105006	2.34	399668	2.87	214194	3.62
18	00806-009	107113	2.34	423262	2.87	212703	3.62
19	00806-010	107632	2.34	392927	2.87	208812	3.62
20	00806-011	113156	2.34	414757	2.87	196512	3.62
21	00806-012	127828	2.34	464432	2.87	218990	3.62
22	00806-013	118523	2.34	451733	2.87	211733	3.62

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	369750	4.27	206616	6.05	151627	7.32
	UPPER LIMIT	739500	4.77	413232	6.55	303254	7.82
	LOWER LIMIT	184875	3.77	103308	5.55	75814	6.82
	LAB SAMPLE ID						
01	50ng-INJ-BNA	342690	4.27	208960	6.04	142023	7.31
02	120ng-INJ-BNA	329187	4.27	175612	6.04	147783	7.31
03	160ng-INJ-BNA	300301	4.27	184558	6.04	145891	7.32
04	20ng-INJ-BNA	403082	4.27	242388	6.04	149416	7.31
05	160ng-INJ-OLMO4	352796	4.27	209485	6.04	133620	7.30
06	120ng-INJ-OLMO4	365847	4.27	216905	6.04	139022	7.30
07	50ng-INJ-OLMO4	352728	4.27	227818	6.04	140625	7.30
08	20ng-INJ-OLMO4	360191	4.27	207590	6.04	129085	7.30
09	80ng-INJ-OLMO4	367006	4.27	218818	6.04	136788	7.31
10	Method-blk	407393	4.27	230358	6.04	152885	7.31
11	LCS	367300	4.27	228498	6.04	146603	7.31
12	MS(00806-002)	422566	4.27	235263	6.04	151598	7.30
13	MSD(00806-002)	408498	4.27	223764	6.03	147364	7.30
14	00806-002	394488	4.27	226251	6.03	148005	7.30
15	00806-003	353157	4.27	185443	6.03	163396	7.31
16	00806-004	342536	4.27	210219	6.04	184047	7.31
17	00806-005	323109	4.27	195580	6.03	174285	7.30
18	00806-009	319358	4.27	264785	6.06	205369	7.36
19	00806-010	316783	4.27	259309	6.05	227052	7.34
20	00806-011	278944	4.27	207743	6.04	177897	7.31
21	00806-012	295287	4.27	231338	6.04	197365	7.32
22	00806-013	297284	4.27	216804	6.04	187870	7.31

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	112737	2.34	458429	2.87	243155	3.63
	UPPER LIMIT	225474	2.84	916858	3.37	486310	4.13
	LOWER LIMIT	56369	1.84	229215	2.37	121578	3.13
	LAB SAMPLE ID						
01	00806-030	120428	2.34	428884	2.87	201344	3.62
02	00806-031	106424	2.34	401696	2.87	200787	3.62
03	00806-032	114898	2.34	427161	2.87	204133	3.62
04	00806-035	113324	2.34	417737	2.87	208505	3.62
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C4992.D

Date Analyzed: 01/31/2003

Instrument ID: MSDC

Time Analyzed: 11:21

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	369750	4.27	206616	6.05	151627	7.32
	UPPER LIMIT	739500	4.77	413232	6.55	303254	7.82
	LOWER LIMIT	184875	3.77	103308	5.55	75814	6.82
	LAB SAMPLE ID						
01	00806-030	286554	4.27	241981	6.04	203973	7.33
02	00806-031	282983	4.27	216337	6.03	184080	7.31
03	00806-032	283515	4.27	221518	6.04	188842	7.32
04	00806-035	301398	4.27	232538	6.03	194612	7.32
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8216.D

Date Analyzed: 02/18/2003

Instrument ID: MSDB

Time Analyzed: 08:57

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	57660	2.39	232378	2.93	121039	3.69
	UPPER LIMIT	115320	2.89	464756	3.43	242078	4.19
	LOWER LIMIT	28830	1.89	116189	2.43	60520	3.19
	LAB SAMPLE ID						
01	20ng_BNA-inj-for_02/	59146	2.39	238074	2.93	119398	3.69
02	50ng_BNA-inj-for_02/	49851	2.39	188013	2.93	101418	3.69
03	120ng_BNA-inj-for_02	49492	2.39	198508	2.93	107391	3.69
04	160ng_BNA-inj-for_02	52264	2.39	202996	2.93	108426	3.69
05	20ng_OLM04-inj-for_0	54669	2.39	233202	2.93	122074	3.69
06	50ng_OLM04-inj-for_0	56624	2.39	240372	2.93	122961	3.69
07	80ng_OLM04-inj-for_0	60118	2.39	252296	2.93	127780	3.69
08	120ng_OLM04-inj-for_	56043	2.39	173416	2.93	120638	3.69
09	160ng_OLM04-inj-for_	56935	2.39	166103	2.93	119314	3.69
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8216.D Date Analyzed: 02/18/2003

Instrument ID: MSDB Time Analyzed: 08:57

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	206456	4.34	139657	6.14	72755	7.43
	UPPER LIMIT	412912	4.84	279314	6.64	145510	7.93
	LOWER LIMIT	103228	3.84	69829	5.64	36378	6.93
	LAB SAMPLE ID						
01	20ng_BNA-inj-for_02/	225012	4.34	153274	6.14	88162	7.44
02	50ng_BNA-inj-for_02/	188718	4.34	128265	6.14	67380	7.42
03	120ng_BNA-inj-for_02	181982	4.34	121378	6.13	69513	7.44
04	160ng_BNA-inj-for_02	189269	4.35	119584	6.14	68637	7.43
05	20ng_OLM04-inj-for_0	234289	4.34	169841	6.13	96863	7.44
06	50ng_OLM04-inj-for_0	213514	4.34	153563	6.14	93634	7.42
07	80ng_OLM04-inj-for_0	223891	4.34	159639	6.13	93005	7.43
08	120ng_OLM04-inj-for_	217507	4.34	156196	6.13	90526	7.43
09	160ng_OLM04-inj-for_	215373	4.34	154079	6.14	86655	7.42
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM VIII SV-2 0248

302586

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5335.D

Date Analyzed: 02/25/2003

Instrument ID: MSDC

Time Analyzed: 09:36

	40UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	116224		2.33		493159		2.87		254652		3.61	
	UPPER LIMIT	232448		2.83		986318		3.37		509304		4.11	
	LOWER LIMIT	58112		1.83		246580		2.37		127326		3.11	
	LAB SAMPLE ID												
01	50ng-INJ-bna	137554		2.33		563350		2.87		292497		3.62	
02	50ng-INJ-olmo4	87252		2.33		347260		2.86		182603		3.61	
03	Method-blk	101799		2.33		402324		2.86		222887		3.61	
04	01304-004	130481		2.33		489390		2.86		260043		3.61	
05	01304-003	143606		2.33		534085		2.87		275569		3.61	
06	01304-004	111283		2.33		432700		2.86		230042		3.61	
07	Method-blk	130349		2.33		487133		2.86		262602		3.61	
08	LCS	128476		2.33		504765		2.87		250140		3.61	
09	MS(01327-010)	143942		2.33		554677		2.87		290984		3.61	
10	MSD(01327-010)	155603		2.33		598056		2.87		308889		3.61	
11	01327-003	144577		2.33		526399		2.86		279549		3.61	
12	01327-004	140477		2.33		518748		2.86		263388		3.61	
13	01327-005	140661		2.33		523578		2.86		261127		3.61	
14	01327-006	118701		2.33		460455		2.86		228044		3.61	
15	01327-007	123453		2.33		459410		2.86		239356		3.62	
16	01327-008	123954		2.33		452081		2.86		233910		3.61	
17	01327-009	110362		2.33		440486		2.86		234546		3.61	
18	01327-010	113805		2.33		421560		2.86		208489		3.61	
19	01332-003	102168		2.33		401186		2.86		197850		3.62	
20	01332-004	116715		2.33		451942		2.86		226900		3.62	
21	01332-005	98721		2.33		399504		2.87		200849		3.62	
22	01327-006	131958		2.33		500713		2.87		224804		3.62	

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5335.D

Date Analyzed: 02/25/2003

Instrument ID: MSDC

Time Analyzed: 09:36

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	410523	4.25	239316	6.02	162592	7.28
	UPPER LIMIT	821046	4.75	478632	6.52	325184	7.78
	LOWER LIMIT	205262	3.75	119658	5.52	81296	6.78
	LAB SAMPLE ID						
01	50ng-INJ-bna	448597	4.25	237438	6.02	148098	7.28
02	50ng-INJ-olmo4	320805	4.25	181094	6.02	112442	7.28
03	Method-blk	374342	4.25	215599	6.02	153509	7.29
04	01304-004	432726	4.25	224646	6.01	159698	7.28
05	01304-003	423053	4.25	226931	6.02	197601	7.28
06	01304-004	357225	4.25	185479	6.02	153812	7.28
07	Method-blk	410236	4.25	204134	6.02	172002	7.28
08	LCS	391671	4.25	210938	6.02	169237	7.28
09	MS(01327-010)	458975	4.25	218745	6.02	173762	7.28
10	MSD(01327-010)	484786	4.25	226402	6.02	181119	7.28
11	01327-003	438436	4.25	209050	6.01	166076	7.28
12	01327-004	405875	4.25	219564	6.02	199996	7.28
13	01327-005	407241	4.25	218314	6.01	195555	7.28
14	01327-006	352023	4.25	229925	6.03	204470	7.29
15	01327-007	353946	4.25	193225	6.02	168442	7.28
16	01327-008	364583	4.25	204636	6.02	182177	7.28
17	01327-009	350245	4.25	222967	6.02	201078	7.29
18	01327-010	302527	4.25	173309	6.02	156294	7.28
19	01332-003	295598	4.25	177104	6.02	158184	7.28
20	01332-004	331399	4.25	187678	6.01	172455	7.28
21	01332-005	291062	4.25	177214	6.01	166216	7.28
22	01327-006	350340	4.27	327139	6.06	246958	7.36

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5335.D

Date Analyzed: 02/25/2003

Instrument ID: MSDC

Time Analyzed: 09:36

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	116224	2.33	493159	2.87	254652	3.61
	UPPER LIMIT	232448	2.83	986318	3.37	509304	4.11
	LOWER LIMIT	58112	1.83	246580	2.37	127326	3.11
	LAB SAMPLE ID						
01	01327-009	123413	2.33	481764	2.87	246940	3.62
02	01332-003	146096	2.33	511522	2.87	239554	3.62
03	01332-004	126998	2.33	520349	2.87	249000	3.62
04	01332-005	124235	2.33	494989	2.87	221356	3.62
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C5335.D

Date Analyzed: 02/25/2003

Instrument ID: MSDC

Time Analyzed: 09:36

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	410523	4.25	239316	6.02	162592	7.28
	UPPER LIMIT	821046	4.75	478632	6.52	325184	7.78
	LOWER LIMIT	205262	3.75	119658	5.52	81296	6.78
	LAB SAMPLE ID						
01	01327-009	324871	4.26	264671	6.04	226115	7.32
02	01332-003	338214	4.25	270003	6.03	239960	7.29
03	01332-004	353243	4.26	279610	6.03	244939	7.29
04	01332-005	315314	4.26	258020	6.03	223013	7.3
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8361.D Date Analyzed: 02/26/2003

Instrument ID: MSDB Time Analyzed: 10:24

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	69845	2.39	246409	2.93	120334	3.69
	UPPER LIMIT	139690	2.89	492818	3.43	240668	4.19
	LOWER LIMIT	34923	1.89	123205	2.43	60167	3.19
	LAB SAMPLE ID						
01	80ng_OLM04-inj-for_0	18943*	2.39	307213	2.93	115015	3.68
02	Method-blk	71276	2.38	262488	2.93	150140	3.69
03	LCS	72833	2.39	276237	2.93	140124	3.69
04	MS(01398-007)	69798	2.39	268162	2.93	141565	3.69
05	MSD(01398-007)	68572	2.39	263132	2.93	139515	3.69
06	01396-002	69287	2.39	253603	2.93	137260	3.69
07	01396-003	73402	2.39	287798	2.93	143403	3.69
08	01396-004	68805	2.39	250933	2.93	138061	3.69
09	01396-005	65020	2.39	258918	2.93	133831	3.69
10	01396-006	62313	2.39	223803	2.93	116547	3.69
11	01398-012	64604	2.39	237098	2.93	125277	3.68
12	01398-003	61247	2.39	233351	2.93	113635	3.68
13	01398-004	58580	2.39	218731	2.93	102711	3.69
14	01398-005	62052	2.39	221509	2.93	115693	3.68
15	01398-006	68148	2.39	261298	2.93	123247	3.68
16	01398-007	58044	2.39	229469	2.93	114204	3.68
17	01398-008	56182	2.39	222082	2.93	107830	3.68
18	01398-009	56141	2.39	190097	2.93	105308	3.68
19	01398-010	54822	2.39	210169	2.93	98912	3.68
20	01398-011	55398	2.39	220043	2.93	101177	3.69
21	01386-001	55106	2.39	188604	2.93	87443	3.68
22	01399-001	52737	2.39	186310	2.93	92437	3.68

IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8361.D

Date Analyzed: 02/26/2003

Instrument ID: MSDB

Time Analyzed: 10:24

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	185409	4.34	108287	6.13	68235	7.41
	UPPER LIMIT	370818	4.84	216574	6.63	136470	7.91
	LOWER LIMIT	92705	3.84	54144	5.63	34118	6.91
	LAB SAMPLE ID						
01	80ng_OLM04-inj-for_0	247201	4.34	140353	6.13	75766	7.41
02	Method-blk	235118	4.34	129702	6.13	77261	7.42
03	LCS	210508	4.34	117495	6.13	75325	7.41
04	MS(01398-007)	221217	4.34	116405	6.13	72677	7.41
05	MSD(01398-007)	215097	4.34	117991	6.12	73747	7.41
06	01396-002	224824	4.34	123605	6.12	76258	7.41
07	01396-003	228386	4.34	122248	6.13	74937	7.41
08	01396-004	217134	4.34	111127	6.12	76491	7.41
09	01396-005	210726	4.34	114455	6.12	74916	7.41
10	01396-006	174152	4.34	94577	6.12	71857	7.41
11	01398-012	199770	4.34	107762	6.12	76189	7.41
12	01398-003	167670	4.33	91246	6.12	68871	7.41
13	01398-004	147790	4.34	91067	6.12	76596	7.41
14	01398-005	176713	4.33	102461	6.12	76163	7.41
15	01398-006	181962	4.34	95778	6.12	78142	7.41
16	01398-007	177664	4.33	100906	6.12	77169	7.41
17	01398-008	173311	4.33	99804	6.12	76453	7.41
18	01398-009	167556	4.33	99388	6.12	76039	7.41
19	01398-010	135701	4.34	89026	6.13	77478	7.42
20	01398-011	143371	4.34	90453	6.13	77171	7.41
21	01386-001	126888	4.34	97591	6.14	77412	7.45
22	01399-001	131336	4.34	75397	6.13	64599	7.41

IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8361.D

Date Analyzed: 02/26/2003

Instrument ID: MSDB

Time Analyzed: 10:24

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	69845	2.39	246409	2.93	120334	3.69
	UPPER LIMIT	139690	2.89	492818	3.43	240668	4.19
	LOWER LIMIT	34923	1.89	123205	2.43	60167	3.19
	LAB SAMPLE ID						
01	01304-006	49251	2.39	187092	2.93	93968	3.69
02	01327-006	53280	2.39	190303	2.93	100366	3.68
03	01327-007	64228	2.39	224889	2.93	116581	3.69
04	01398-009	57792	2.39	189651	2.93	92750	3.69
05	01398-010	55133	2.39	177714	2.93	73558	3.69
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IS1 = 1,4-Dichlorobenzene-d4
IS2 = Naphthalene-d8
IS3 = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8361.D

Date Analyzed: 02/26/2003

Instrument ID: MSDB

Time Analyzed: 10:24

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	185409	4.34	108287	6.13	68235	7.41
	UPPER LIMIT	370818	4.84	216574	6.63	136470	7.91
	LOWER LIMIT	92705	3.84	54144	5.63	34118	6.91
	LAB SAMPLE ID						
01	01304-006	142646	4.34	87978	6.13	74370	7.41
02	01327-006	141907	4.34	89414	6.12	74942	7.42
03	01327-007	169067	4.34	97022	6.13	85228	7.41
04	01398-009	127396	4.33	88836	6.11	75570	7.42
05	01398-010	113887	4.36	121751	6.20	757*	7.5
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IS4 = Phenanthrene-d10
IS5 = Chrysene-d12
IS6 = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-24-03\B8326.D Vial: 11
Acq On : 24 Feb 2003 13:36 Operator: JC
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:46:51 2003 Quant Results File: BW0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration
DataAcq Meth : BW0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	54787	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	221937	40.00 UG	0.00
43) Acenaphthene-d10	3.69	164	120293	40.00 UG	0.00
66) Phenanthrene-d10	4.34	188	198721	40.00 UG	0.00
82) Chrysene-d12	6.13	240	122715	40.00 UG	-0.01
92) Perylene-d12	7.42	264	79658	40.00 UG	0.00

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	109362	73.91 UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 73.91%		
6) Phenol-d5	2.21	99	157756	81.51 UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 81.51%		
24) Nitrobenzene-d5	2.62	82	74742	43.18 UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 86.36%		
47) 2-Fluorobiphenyl	3.38	172	150630	44.86 UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 89.72%		
70) 2,4,6-Tribromophenol	4.03	330	51644	104.70 UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 104.70%		
84) Terphenyl-d14	5.22	244	160886	62.19 UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 124.38%		

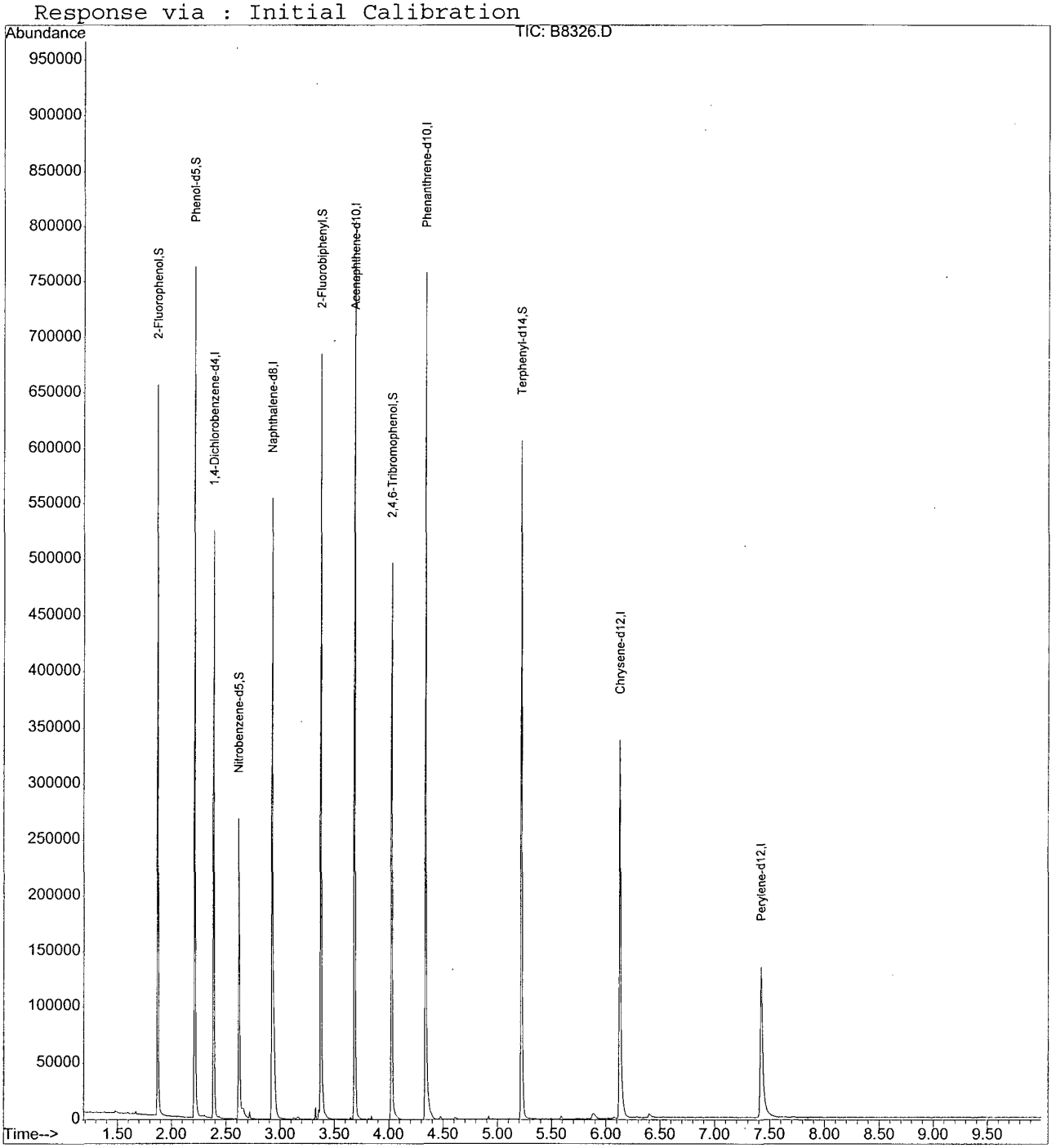
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-24-03\B8326.D Vial: 11
Acq On : 24 Feb 2003 13:36 Operator: JC
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 13:50 2003 Quant Results File: BW0203.RES

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration



0258

302596

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-24-03\B8326.D          Vial: 11
Acq On    : 24 Feb 2003  13:36                       Operator: JC
Sample    : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1   Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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B8326.D BW0203.M Mon Feb 24 13:50:46 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5346.D Vial: 5
Acq On : 25 Feb 2003 16:33 Operator: CH
Sample : SB-T24-23/23,01327-003,S,10.68g,38.4,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 16:43:52 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	144577	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	526399	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	279549	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	438436	40.00	UG	-0.02
82) Chrysene-d12	6.01	240	209050	40.00	UG	-0.04
92) Perylene-d12	7.28	264	166076	40.00	UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.82	112	263676	57.37	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 57.37%			
6) Phenol-d5	2.16	99	360044	63.57	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 63.57%			
24) Nitrobenzene-d5	2.56	82	162226	36.92	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 73.84%			
47) 2-Fluorobiphenyl	3.31	172	346652	43.76	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 87.52%			
70) 2,4,6-Tribromophenol	3.96	330	87358	76.37	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 76.37%			
84) Terphenyl-d14	5.13	244	311736	66.10	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 132.20%			

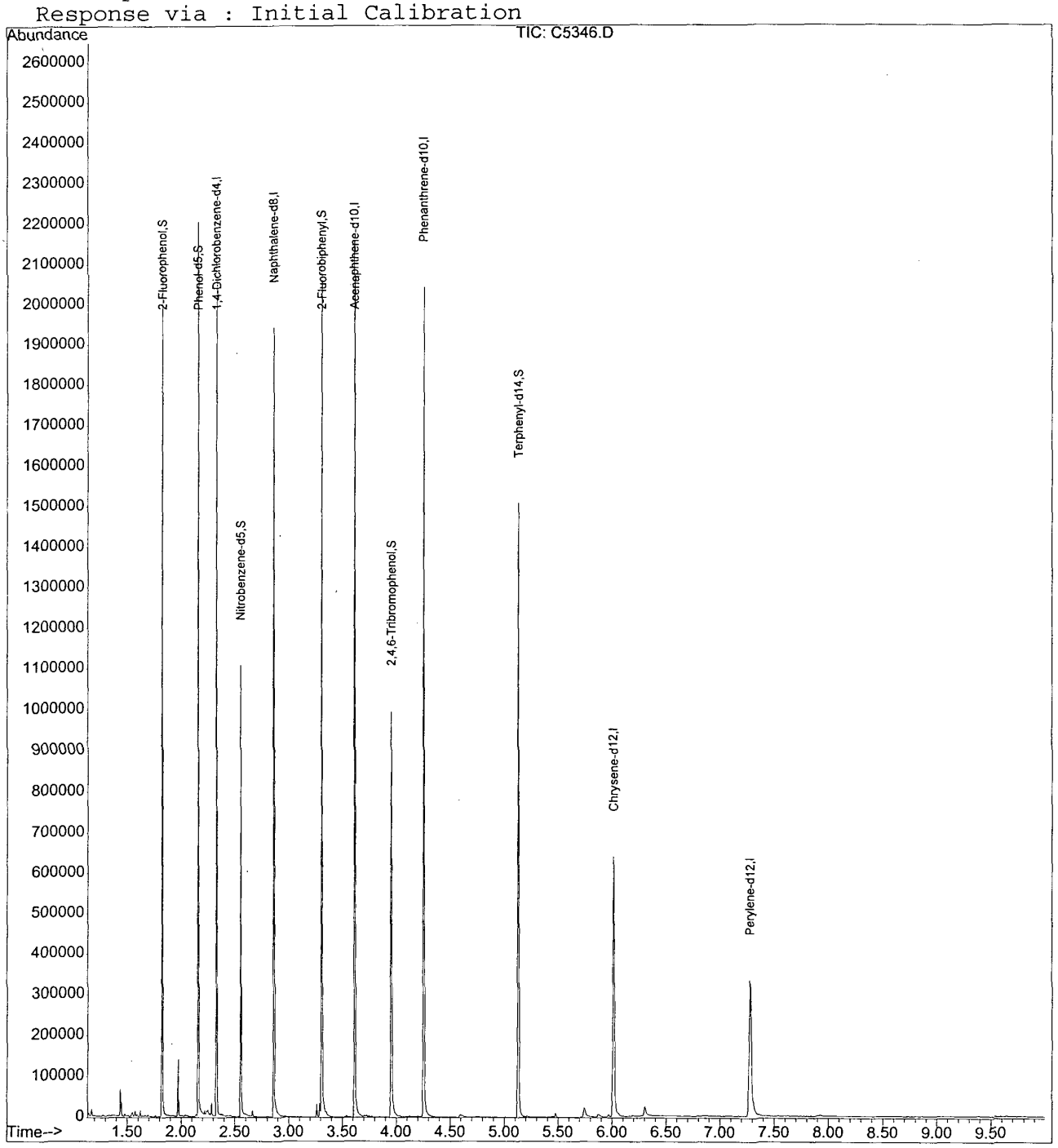
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5346.D Vial: 5
Acq On : 25 Feb 2003 16:33 Operator: CH
Sample : SB-T24-23/23,01327-003,S,10.68g,38.4,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:01 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0261

302599

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-25-03\C5346.D          Vial: 5
Acq On    : 25 Feb 2003  16:33                       Operator: CH
Sample    : SB-T24-23/23,01327-003,S,10.68g,38.4,02/ Inst     : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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C5346.D CS0203.M Wed Feb 26 07:31:00 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 16:59:10 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	140477	40.00 UG	0.00
23) Naphthalene-d8	2.86	136	518748	40.00 UG	-0.01
43) Acenaphthene-d10	3.61	164	263388	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	405875	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	219564	40.00 UG	-0.03
92) Perylene-d12	7.28	264	199996	40.00 UG	-0.04
System Monitoring Compounds					
4) 2-Fluorophenol	1.82	112	267494	59.90 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 59.90%		
6) Phenol-d5	2.16	99	388124	70.53 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 70.53%		
24) Nitrobenzene-d5	2.56	82	161134	37.22 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 74.44%		
47) 2-Fluorobiphenyl	3.31	172	346274	46.40 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 92.80%		
70) 2,4,6-Tribromophenol	3.96	330	90340	85.31 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 85.31%		
84) Terphenyl-d14	5.13	244	256723	51.83 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 103.66%		

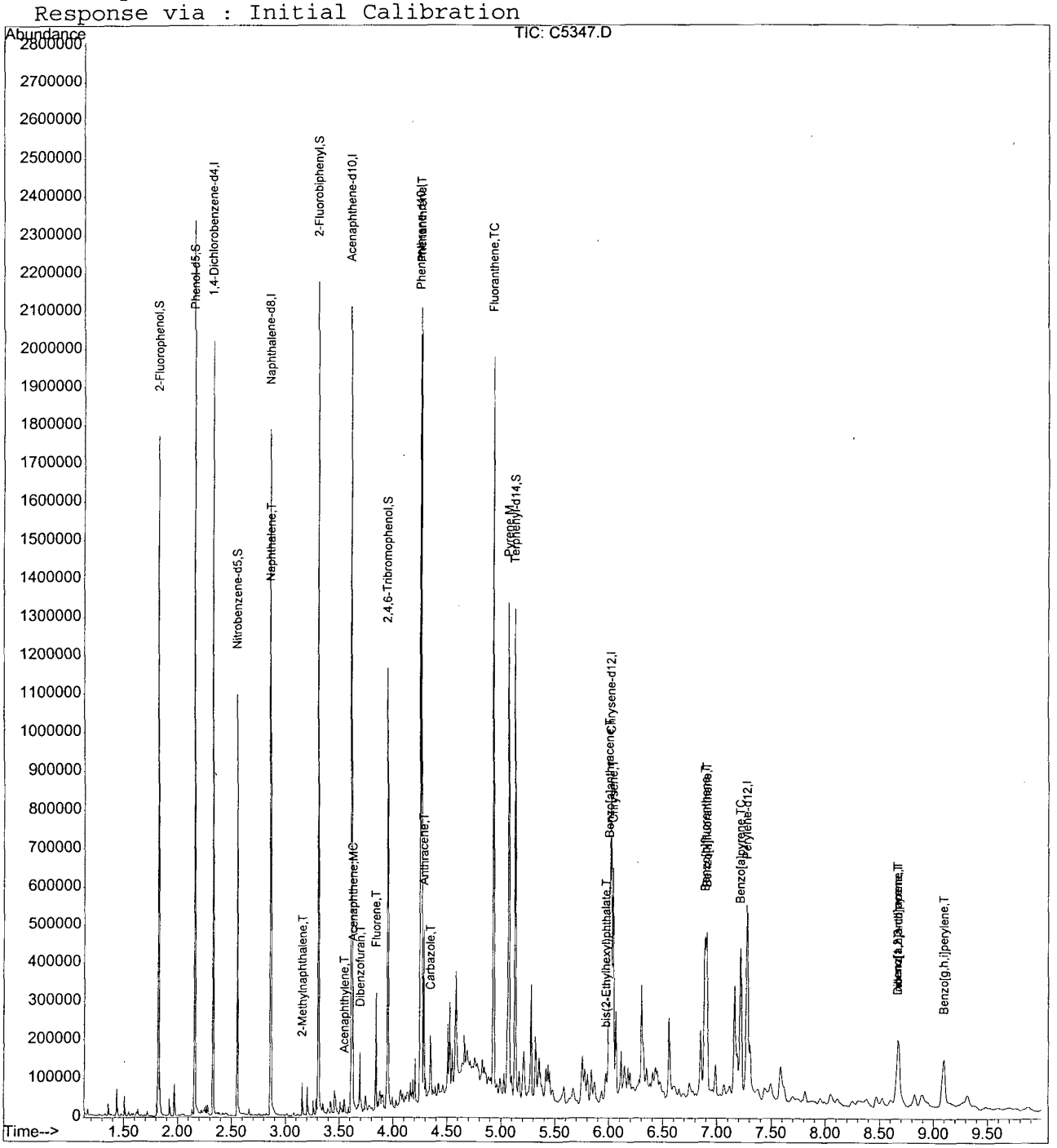
Target Compounds						Qvalue
34) Naphthalene	2.87	128	33588	2.95 UG	#	100
41) 2-Methylnaphthalene	3.16	142	12644	1.65 UG	#	100
53) Acenaphthylene	3.55	152	7384	0.68 UG	#	85
55) Acenaphthene	3.63	153	38882	5.81 UG		98
59) Dibenzofuran	3.69	168	24633	2.66 UG	#	84
61) Fluorene	3.84	166	39320	5.25 UG	#	99
75) Phenanthrene	4.27	178	384340	42.22 UG		98
76) Anthracene	4.29	178	79015	8.42 UG		97
77) Carbazole	4.35	167	45798	5.85 UG		98
79) Fluoranthene	4.93	202	458363	59.90 UG		97
83) Pyrene	5.07	202	373957	51.87 UG	#	93
88) Benzo[a]anthracene	6.01	228	170843	33.26 UG	#	92
89) Chrysene	6.04	228	170806	34.70 UG		96
90) bis(2-Ethylhexyl)phthalate	5.97	149	16361	3.49 UG	#	88
94) Benzo[b]fluoranthene	6.89	252	157535m	25.47 UG		
95) Benzo[k]fluoranthene	6.91	252	144412m	25.68 UG		
96) Benzo[a]pyrene	7.22	252	159383	29.66 UG	#	92
97) Indeno[1,2,3-cd]pyrene	8.68	276	107574m	16.91 UG		
98) Dibenz[a,h]anthracene	8.67	278	36934m	7.70 UG		
99) Benzo[g,h,i]perylene	9.10	276	93343	17.17 UG	#	53

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:03 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



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302602

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.439	55	58	63	rVB2	68675	33566	2.90%	0.159%
2	1.824	128	130	131	rBV	1761199	805838	69.67%	3.829%
3	1.835	131	132	134	rVB	103913	46415	4.01%	0.221%
4	1.925	145	149	152	rVB	44989	23153	2.00%	0.110%
5	1.973	156	158	160	rBV	82987	45849	3.96%	0.218%
6	2.160	190	193	195	rBV	2332234	975780	84.37%	4.636%
7	2.331	222	225	227	rBV	2015815	815264	70.49%	3.873%
8	2.556	264	267	269	rBV	1095667	449084	38.83%	2.134%
9	2.860	322	324	334	rBV	1783820	1108382	95.83%	5.266%
10	3.159	378	380	382	rBV	84794	38107	3.29%	0.181%
11	3.207	387	389	391	rBV	72613	36604	3.16%	0.174%
12	3.309	405	408	410	rBV	2159869	954630	82.54%	4.535%
13	3.421	428	429	432	rBV2	32895	23243	2.01%	0.110%
14	3.459	435	436	440	rVV	58676	52704	4.56%	0.250%
15	3.512	443	446	449	rBV	33400	26888	2.32%	0.128%
16	3.613	463	465	467	rBV	2101021	1156584	100.00%	5.495%
17	3.694	478	480	481	rBV	141383	55572	4.80%	0.264%
18	3.747	488	490	493	rVB	39203	30669	2.65%	0.146%
19	3.843	503	508	511	rBV	305524	145636	12.59%	0.692%
20	3.881	511	515	517	rBV2	44255	43271	3.74%	0.206%
21	3.950	526	528	531	rVV2	1104851	684420	59.18%	3.252%
22	3.998	534	537	540	rVB2	29763	22201	1.92%	0.105%
23	4.073	546	551	553	rBV3	42607	47073	4.07%	0.224%
24	4.142	561	564	566	rVB3	25865	29807	2.58%	0.142%
25	4.164	566	568	571	rBV3	51821	37101	3.21%	0.176%
26	4.206	574	576	578	rVB	110236	49465	4.28%	0.235%
27	4.255	582	585	586	rBV	2002042	1073026	92.78%	5.098%
28	4.287	589	591	593	rVV	435827	209630	18.12%	0.996%
29	4.303	593	594	597	rVV	49357	24525	2.12%	0.117%
30	4.345	600	602	606	rVB2	155755	114376	9.89%	0.543%
31	4.426	614	617	619	rBV2	32190	26095	2.26%	0.124%

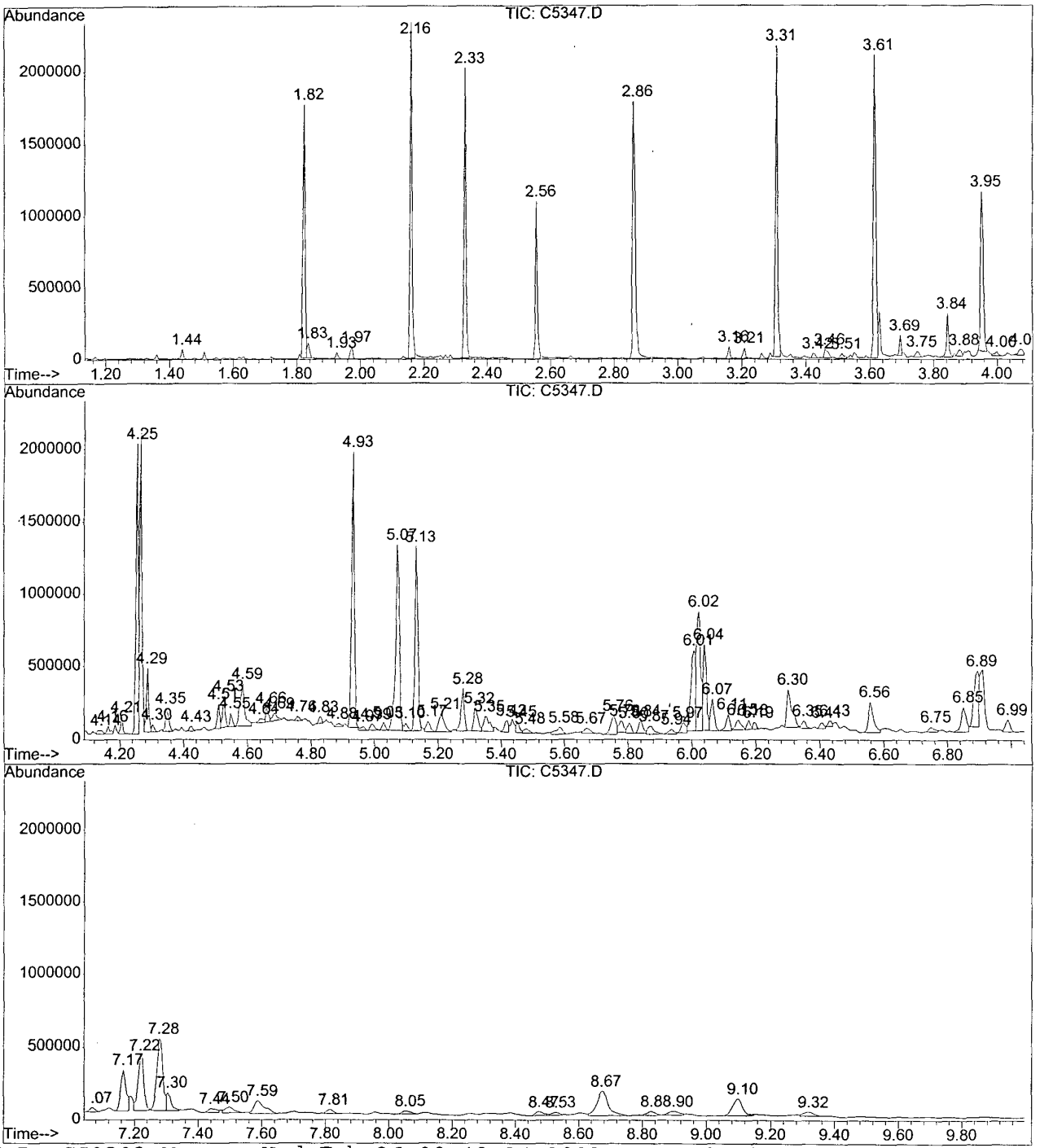
32	4.511	630	633	634	rBV	167928	90556	7.83%	0.430%
33	4.527	634	636	638	rVB	217255	112111	9.69%	0.533%
34	4.548	638	640	643	rBV	91866	49829	4.31%	0.237%
35	4.586	643	647	652	rBV2	290158	299481	25.89%	1.423%
36	4.639	655	657	660	rVV4	26394	34188	2.96%	0.162%
37	4.661	660	661	663	rVV	90542	54311	4.70%	0.258%
38	4.687	663	666	670	rVB4	42424	52083	4.50%	0.247%
39	4.757	677	679	682	rBV4	27743	22276	1.93%	0.106%
40	4.826	690	692	694	rBV	43042	30377	2.63%	0.144%
41	4.885	701	703	706	rBV2	21439	24425	2.11%	0.116%
42	4.933	709	712	715	rVV	1900198	1105498	95.58%	5.252%
43	4.965	715	718	720	rVB2	25551	22484	1.94%	0.107%
44	4.992	720	723	728	rVB4	41424	38694	3.35%	0.184%
45	5.029	728	730	733	rVB	53509	35044	3.03%	0.166%
46	5.072	733	738	741	rBV	1278290	1063114	91.92%	5.051%
47	5.099	741	743	746	rVB2	53241	40752	3.52%	0.194%
48	5.131	746	749	752	rBV	1266306	817531	70.68%	3.884%
49	5.168	754	756	760	rVB	70766	60329	5.22%	0.287%
50	5.211	760	764	770	rBV4	122121	150640	13.02%	0.716%
51	5.280	773	777	780	rVB	288348	202066	17.47%	0.960%
52	5.318	782	784	788	rBV	154460	146347	12.65%	0.695%
53	5.350	788	790	795	rVV3	101695	132549	11.46%	0.630%
54	5.419	799	803	804	rVV	77609	69357	6.00%	0.330%
55	5.451	808	809	812	rVV	73157	45577	3.94%	0.217%
56	5.478	812	814	819	rVB6	28190	32012	2.77%	0.152%
57	5.585	829	834	838	rVB2	44870	64835	5.61%	0.308%
58	5.670	847	850	856	rVB2	34545	46346	4.01%	0.220%
59	5.756	860	866	868	rBV	125616	150008	12.97%	0.713%
60	5.777	868	870	873	rVV	77736	79073	6.84%	0.376%
61	5.804	873	875	878	rVB	68726	56580	4.89%	0.269%
62	5.841	878	882	885	rBV	81154	82149	7.10%	0.390%
63	5.868	885	887	895	rVB2	52977	72001	6.23%	0.342%
64	5.937	895	900	903	rBV2	31905	38504	3.33%	0.183%
65	5.975	903	907	909	rBV	67584	78239	6.76%	0.372%
66	6.007	909	913	914	rVV2	549814	607901	52.56%	2.888%
67	6.023	914	916	918	rVV	816385	721643	62.39%	3.429%
68	6.039	918	919	922	rVV	586645	389987	33.72%	1.853%
69	6.066	922	924	928	rVB	213895	157334	13.60%	0.747%
70	6.114	928	933	935	rBV	110279	92763	8.02%	0.441%
71	6.146	935	939	943	rVV4	65158	78870	6.82%	0.375%
72	6.178	943	945	947	rVV	59881	42881	3.71%	0.204%
73	6.194	947	948	951	rVB	44911	30421	2.63%	0.145%
74	6.301	966	968	975	rBV2	258339	283422	24.51%	1.347%
75	6.349	975	977	982	rVB3	50084	43551	3.77%	0.207%
76	6.407	985	988	990	rBV2	40269	38305	3.31%	0.182%
77	6.434	990	993	994	rBV2	37658	32443	2.81%	0.154%
78	6.557	1012	1016	1022	rBV	204686	219845	19.01%	1.044%
79	6.749	1049	1052	1056	rBV2	31767	42459	3.67%	0.202%
80	6.851	1065	1071	1074	rBV2	167260	188531	16.30%	0.896%
81	6.894	1074	1079	1080	rBV	378527	432609	37.40%	2.055%

82	6.990	1094	1097	1103	rVB	80714	81793	7.07%	0.389%
83	7.070	1108	1112	1116	rBV3	29266	36516	3.16%	0.173%
84	7.166	1125	1130	1133	rBV	280293	341366	29.52%	1.622%
85	7.220	1136	1140	1145	rVV	377127	468417	40.50%	2.225%
86	7.278	1146	1151	1155	rVV	491656	665657	57.55%	3.163%
87	7.305	1155	1156	1165	rVB2	123629	108500	9.38%	0.515%
88	7.439	1178	1181	1186	rBV4	26583	50438	4.36%	0.240%
89	7.497	1188	1192	1200	rVV4	41220	78568	6.79%	0.373%
90	7.588	1204	1209	1223	rVB2	90349	210218	18.18%	0.999%
91	7.812	1248	1251	1256	rVB3	29509	40306	3.48%	0.191%
92	8.053	1292	1296	1304	rVB6	22144	42166	3.65%	0.200%
93	8.475	1370	1375	1381	rBV3	26192	51940	4.49%	0.247%
94	8.528	1381	1385	1393	rVB2	20435	36282	3.14%	0.172%
95	8.673	1404	1412	1429	rVB	170012	423013	36.57%	2.010%
96	8.828	1435	1441	1446	rBV2	29044	50160	4.34%	0.238%
97	8.897	1448	1454	1460	rBV3	25799	62304	5.39%	0.296%
98	9.100	1484	1492	1501	rBV	117258	252586	21.84%	1.200%
99	9.319	1528	1533	1541	rVB2	27402	60547	5.23%	0.288%

Sum of corrected areas: 21048066

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D
Operator : CH
Acquired : 25 Feb 2003 16:49 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1
Vial Number: 6
Quant File :CS0203.RES (RTE Integrator)



0268

302606

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

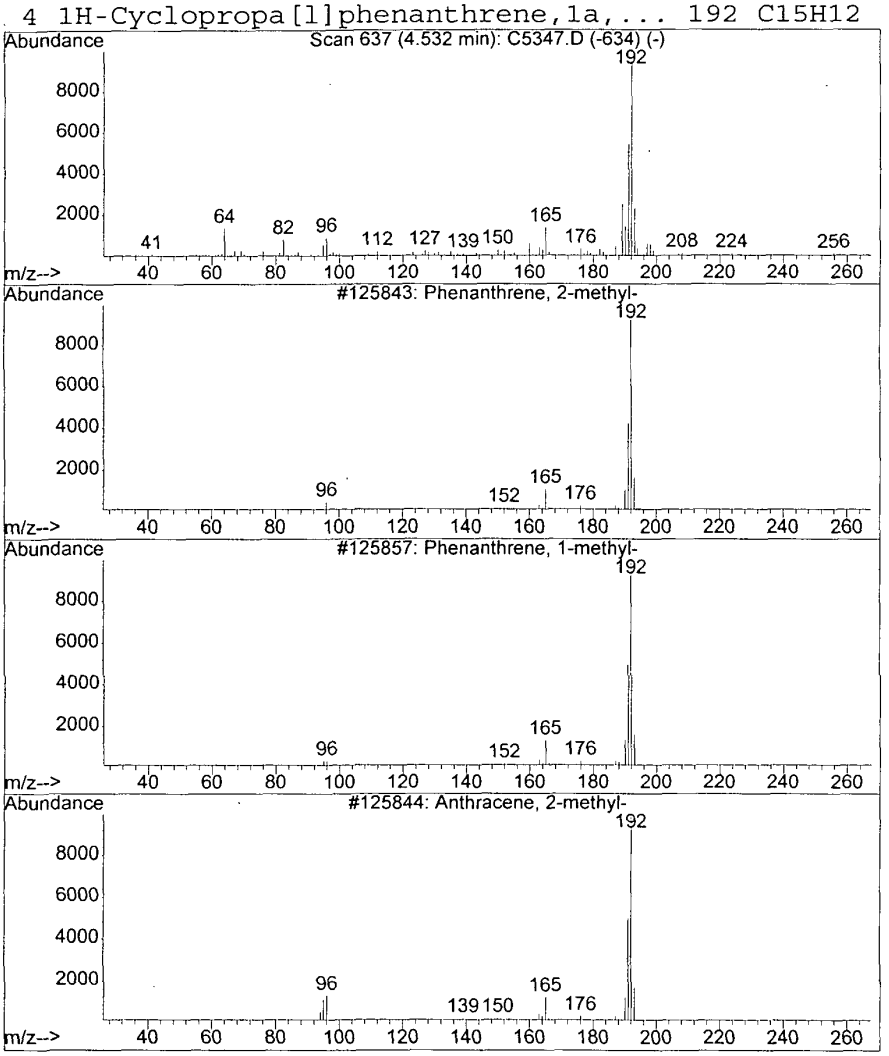
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

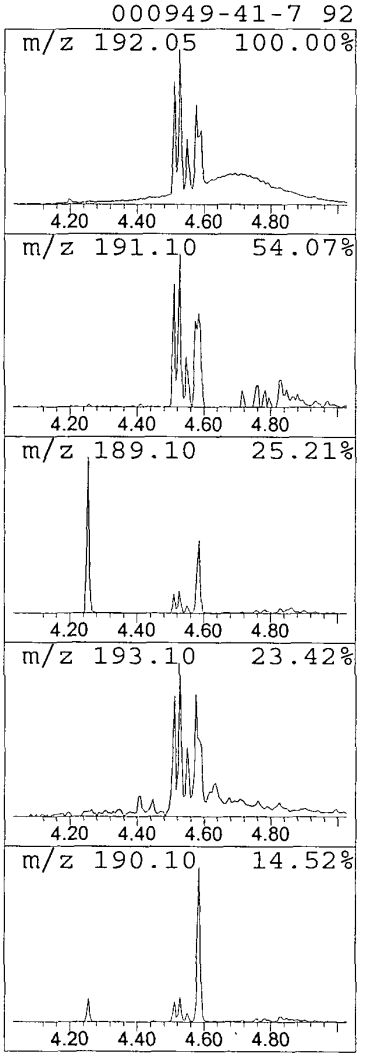
****

Peak Number 1 Unknown aromatic Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	4.18 UG	112111	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

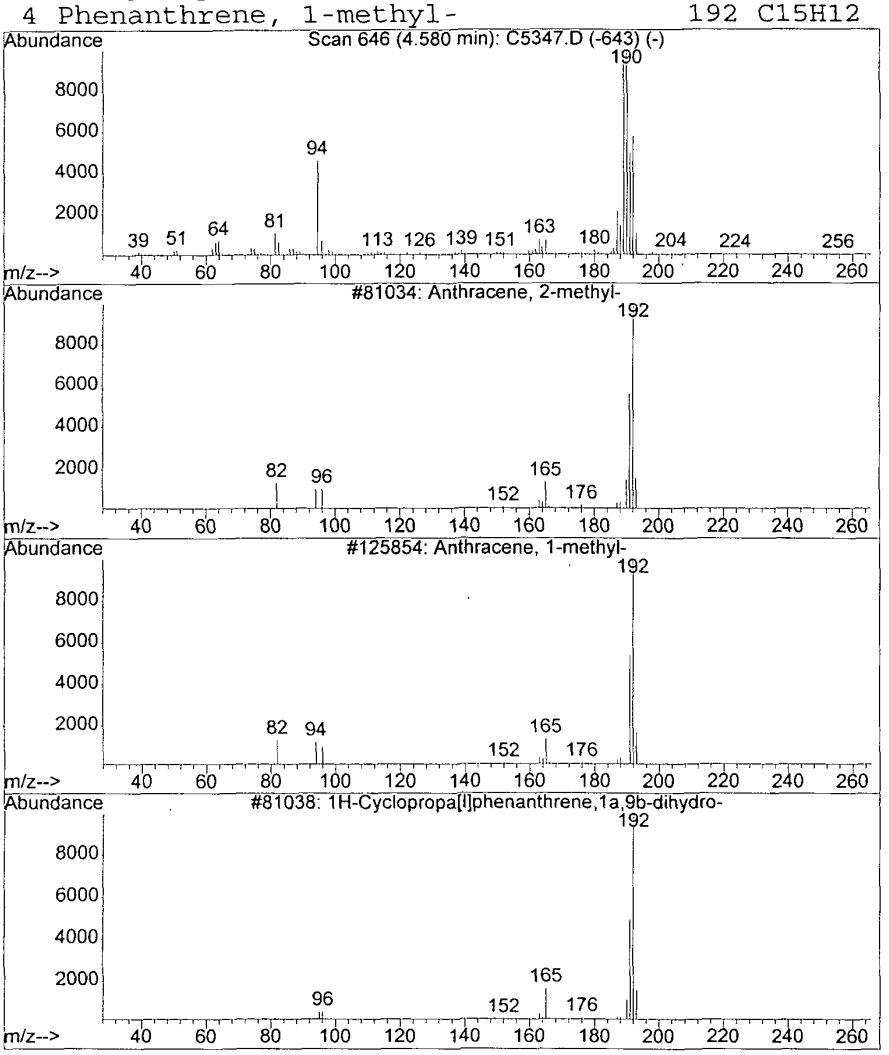
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

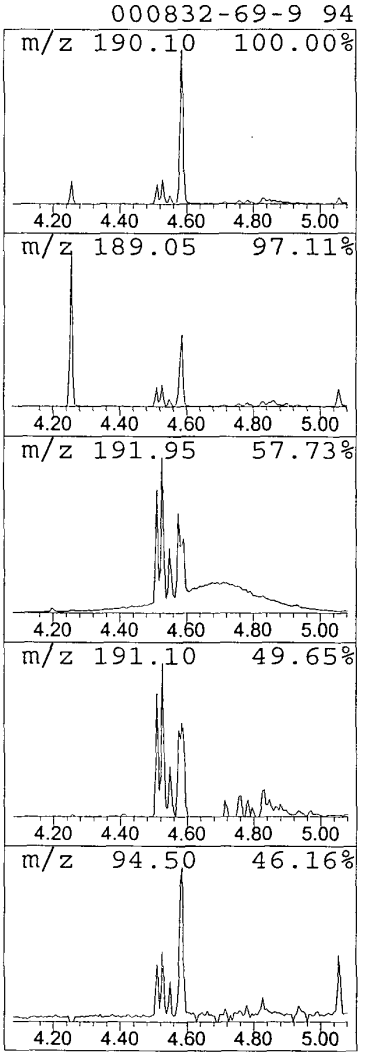
****

Peak Number 2 Unknown aromatic Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	4.56 UG	122373	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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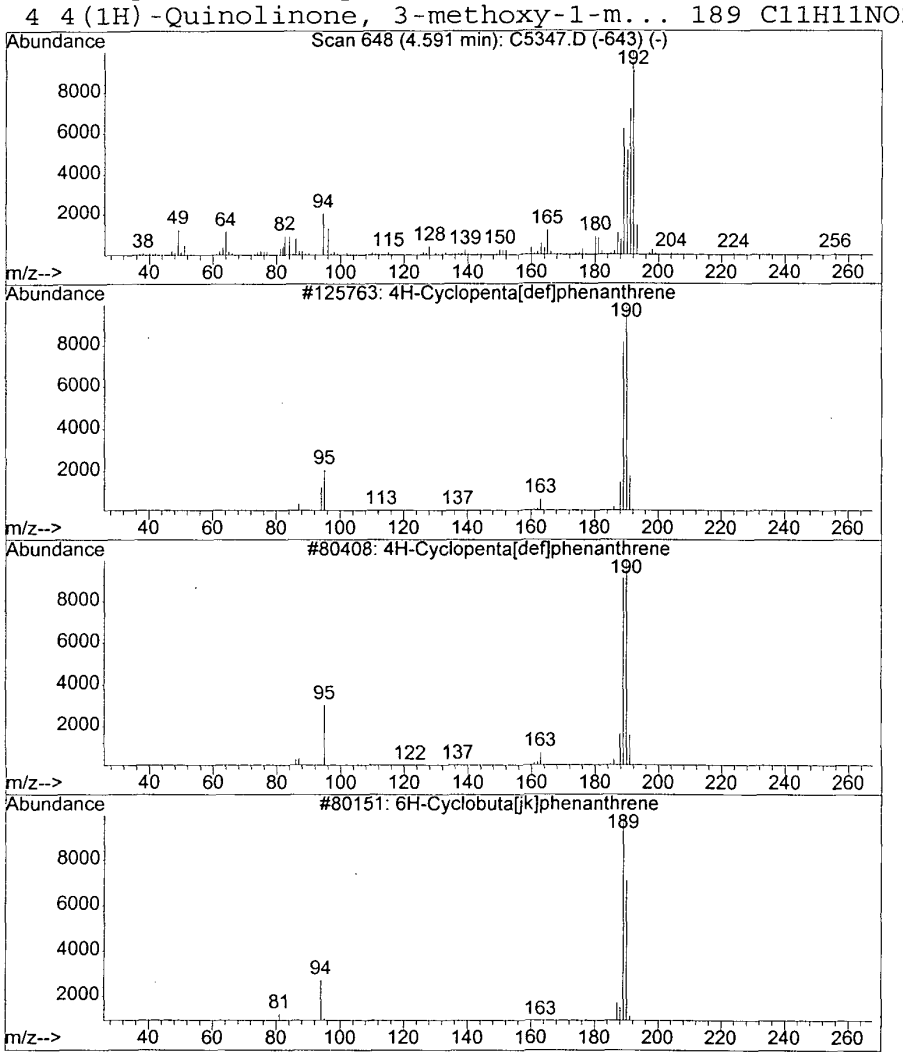
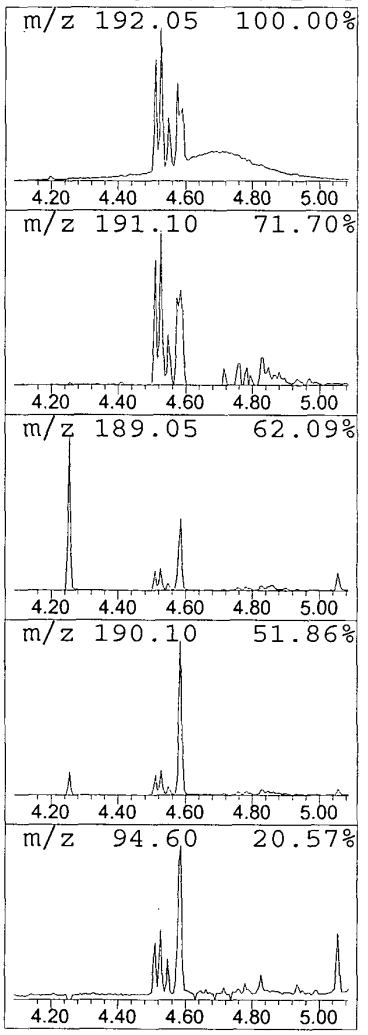
Peak Number 3 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	6.60 UG	177105	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	4(1H)-Quinolinone, 3-methoxy-1-m...	189	C11H11NO2	052381-20-1	25





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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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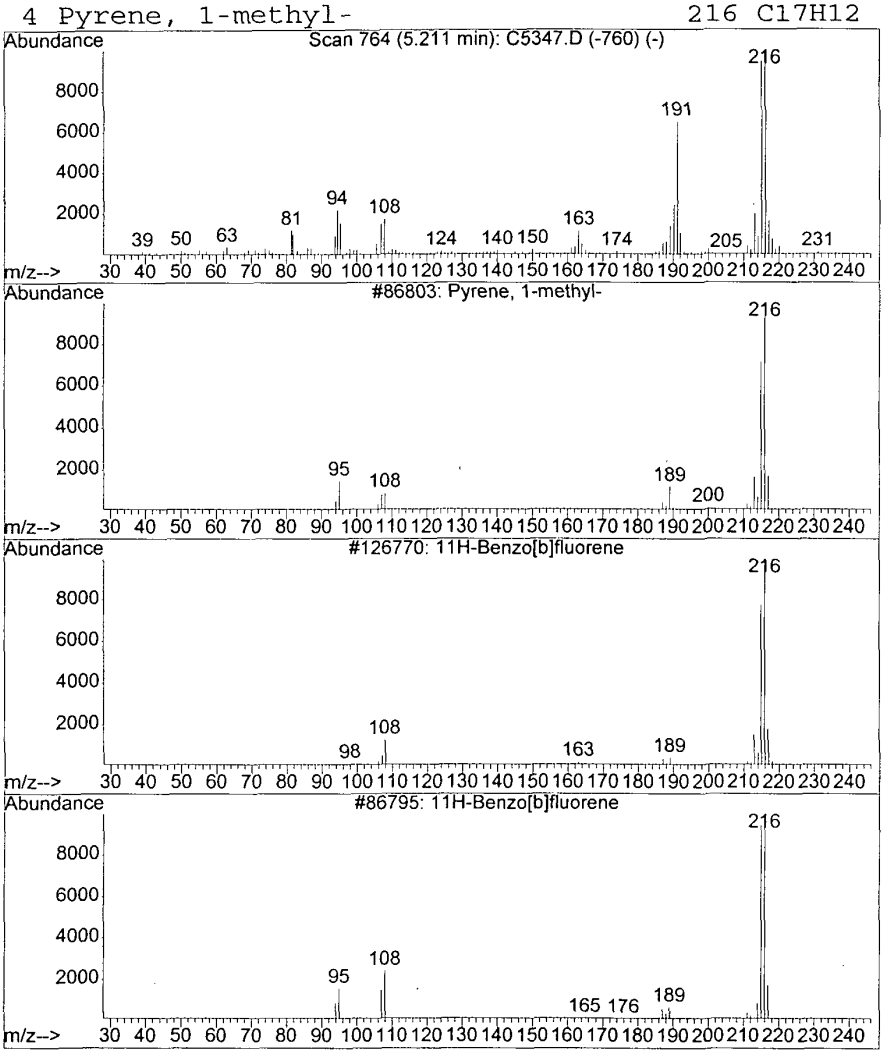
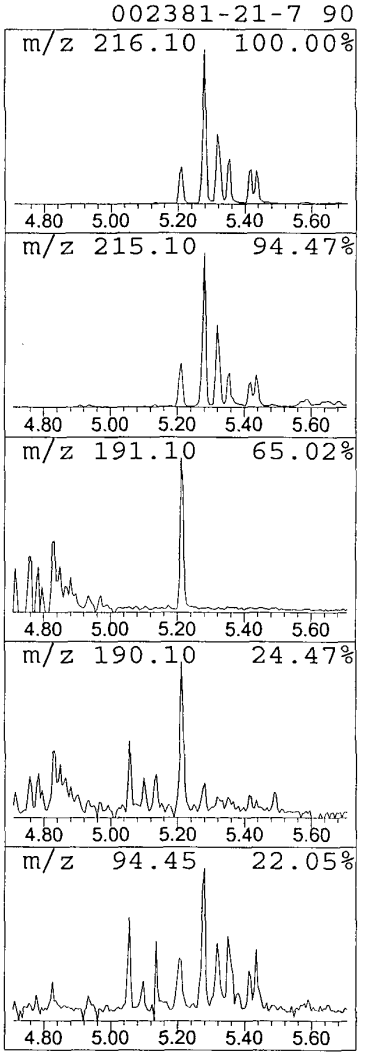
Peak Number 4 Unknown aromatic Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	4.33 UG	78070	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Library Search Compound Report

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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
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Library : C:\DATABASE\NIST98.L

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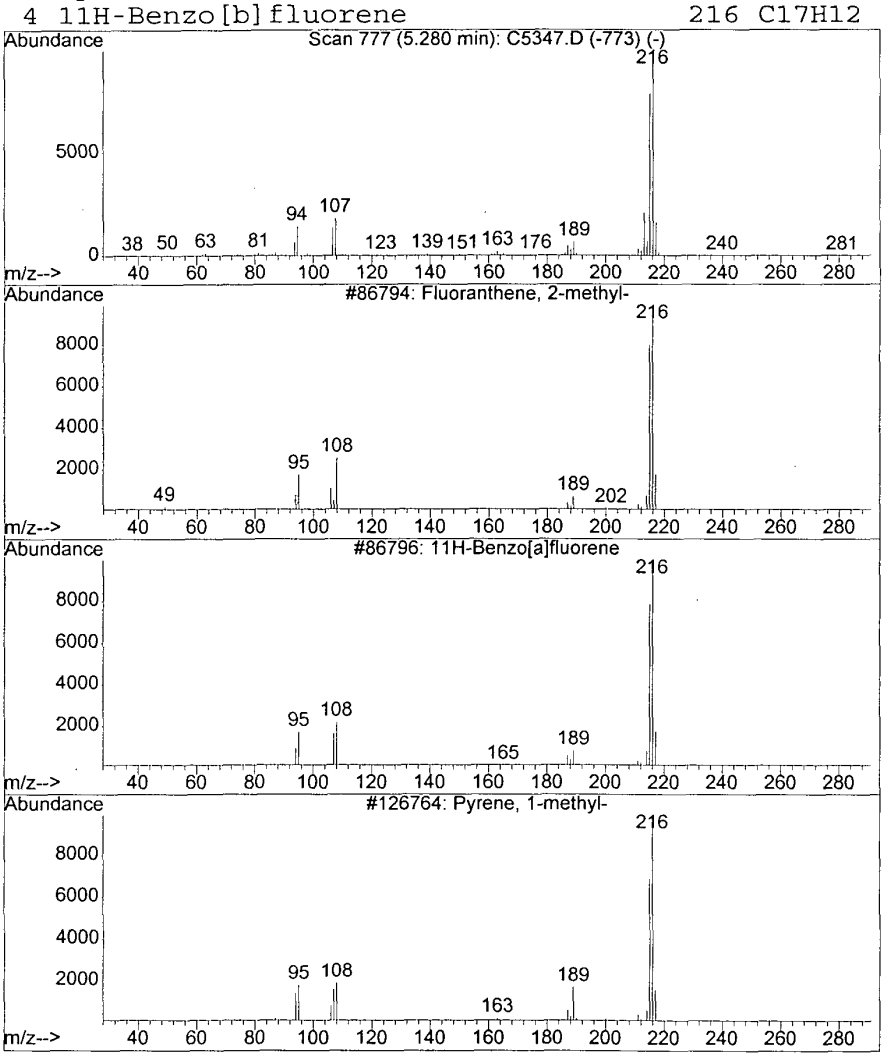
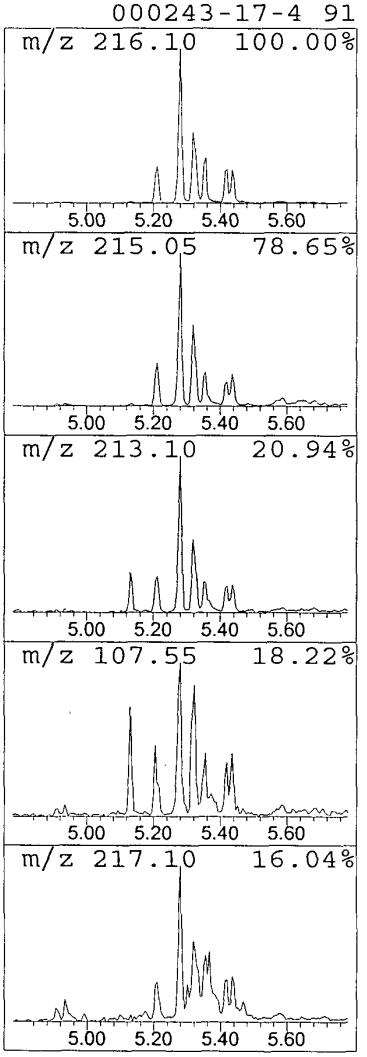
Peak Number 5 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	11.20 UG	202066	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
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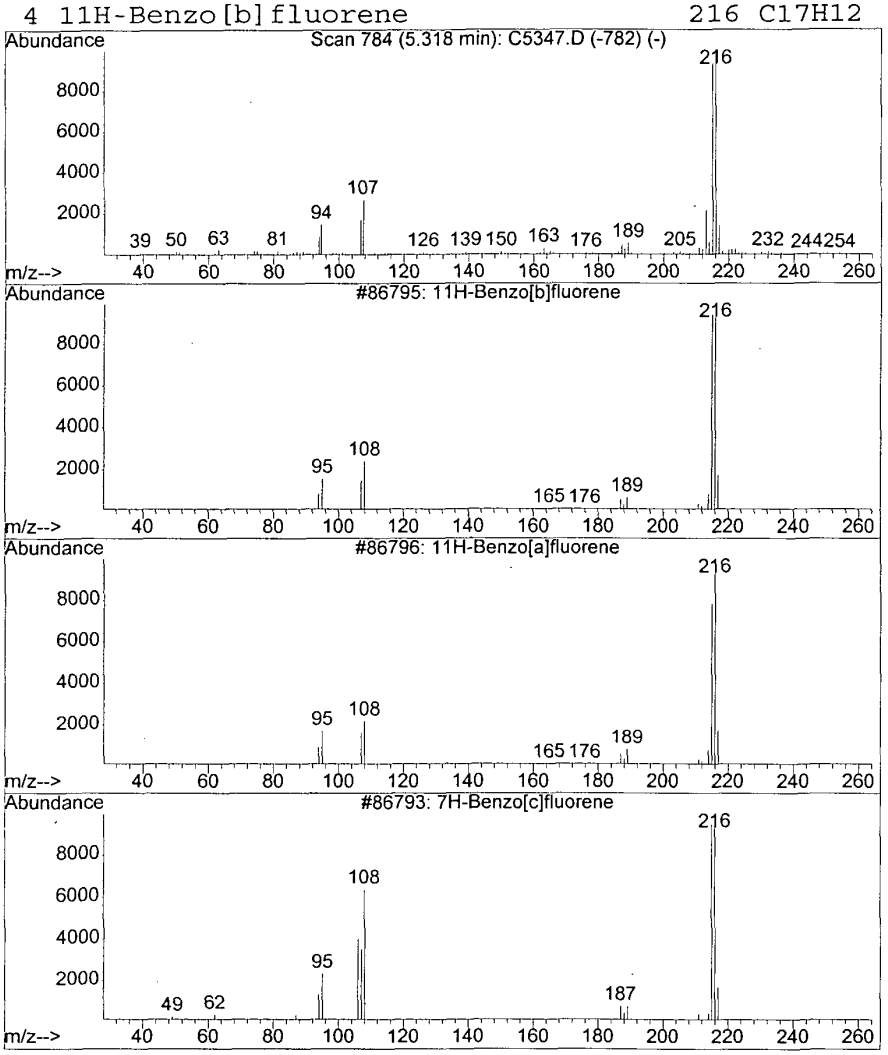
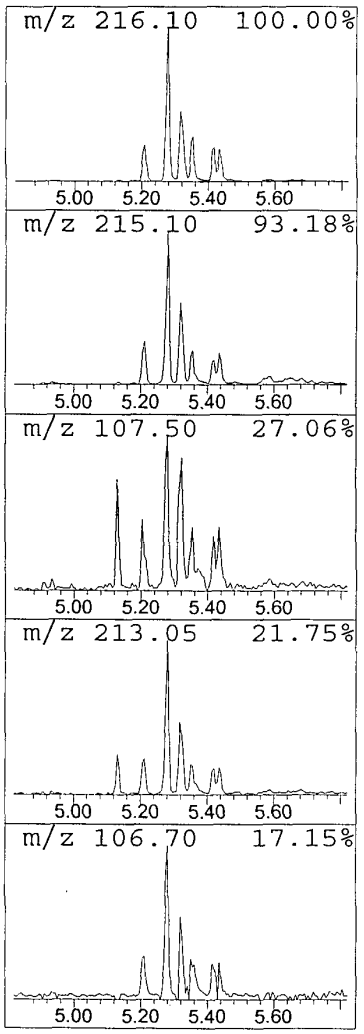
Peak Number 6 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	8.11 UG	146347	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	70
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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302612

Library Search Compound Report

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Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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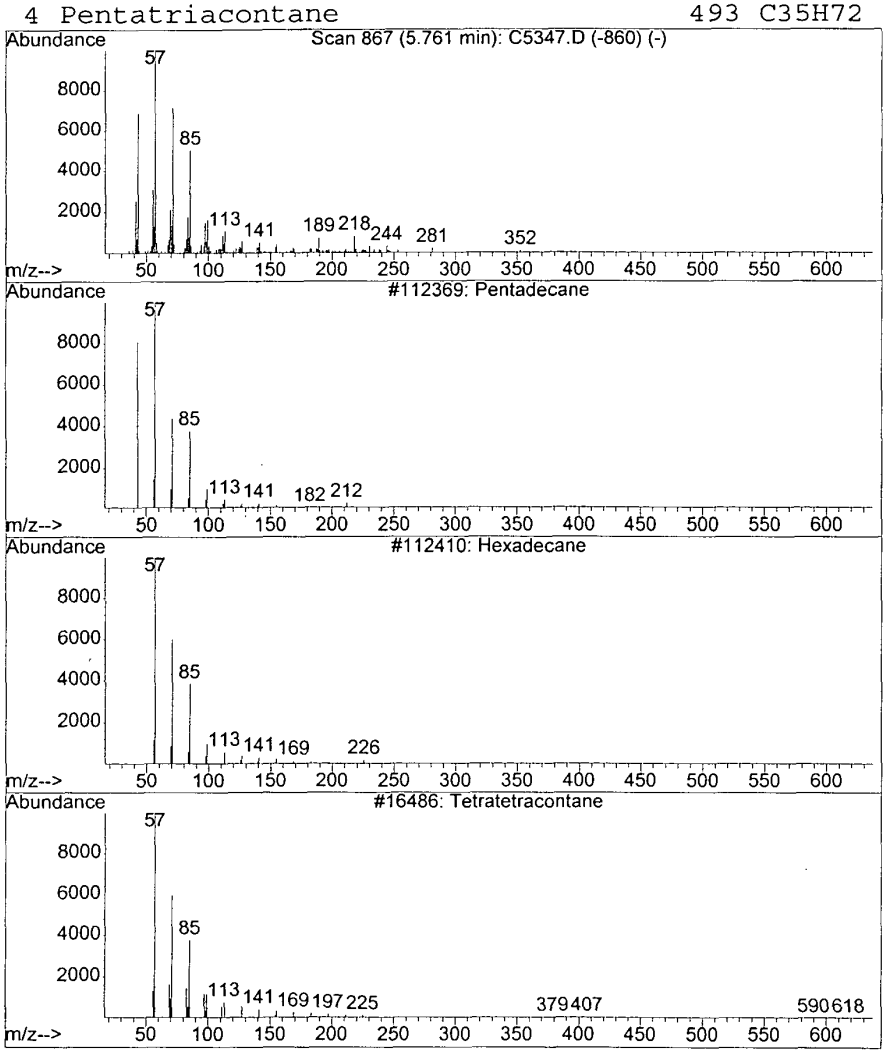
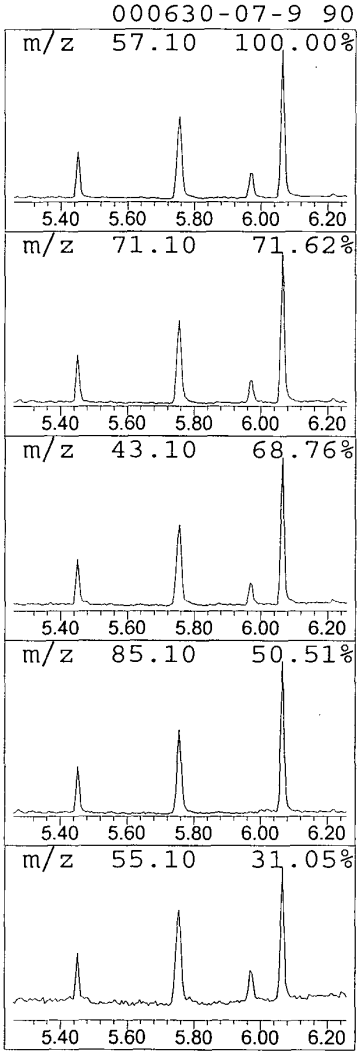
Peak Number 7 Unknown hydrocarbon Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	8.31 UG	150008	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Hexadecane	226	C16H34	000544-76-3	94
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Pentatriacontane	493	C35H72	000630-07-9	90





Library Search Compound Report

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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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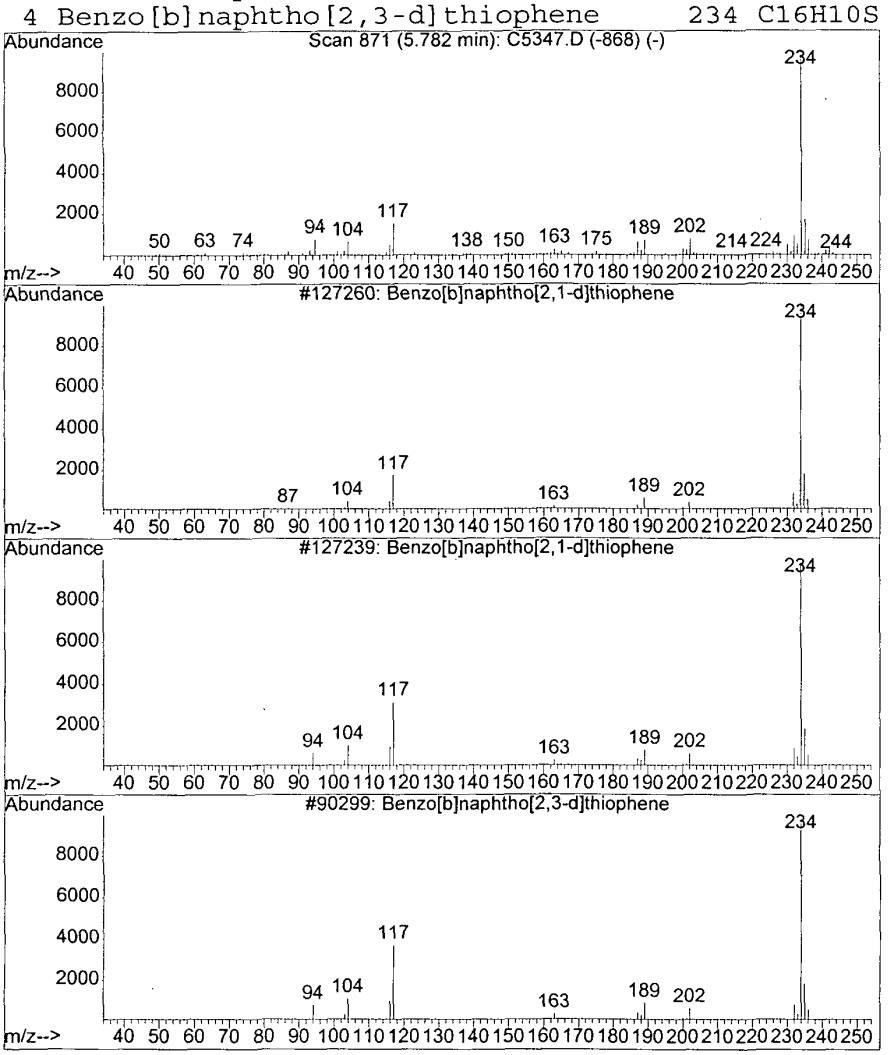
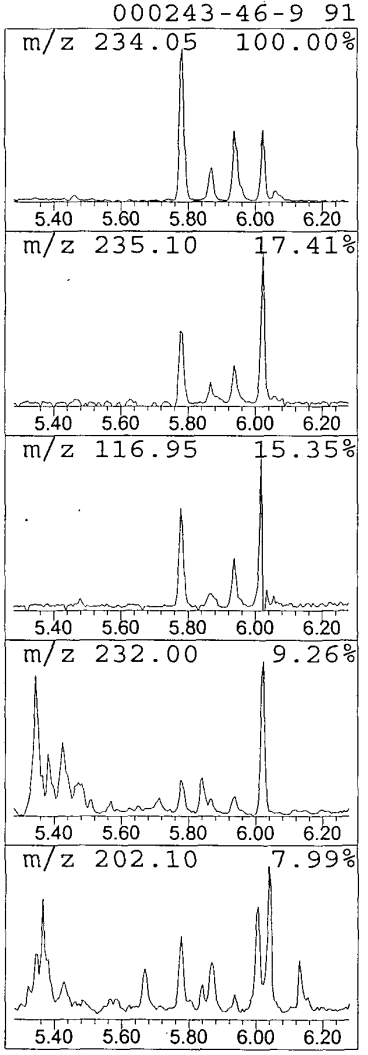
Peak Number 8 Unknown aromatic Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	4.38 UG	79073	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





Library Search Compound Report

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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
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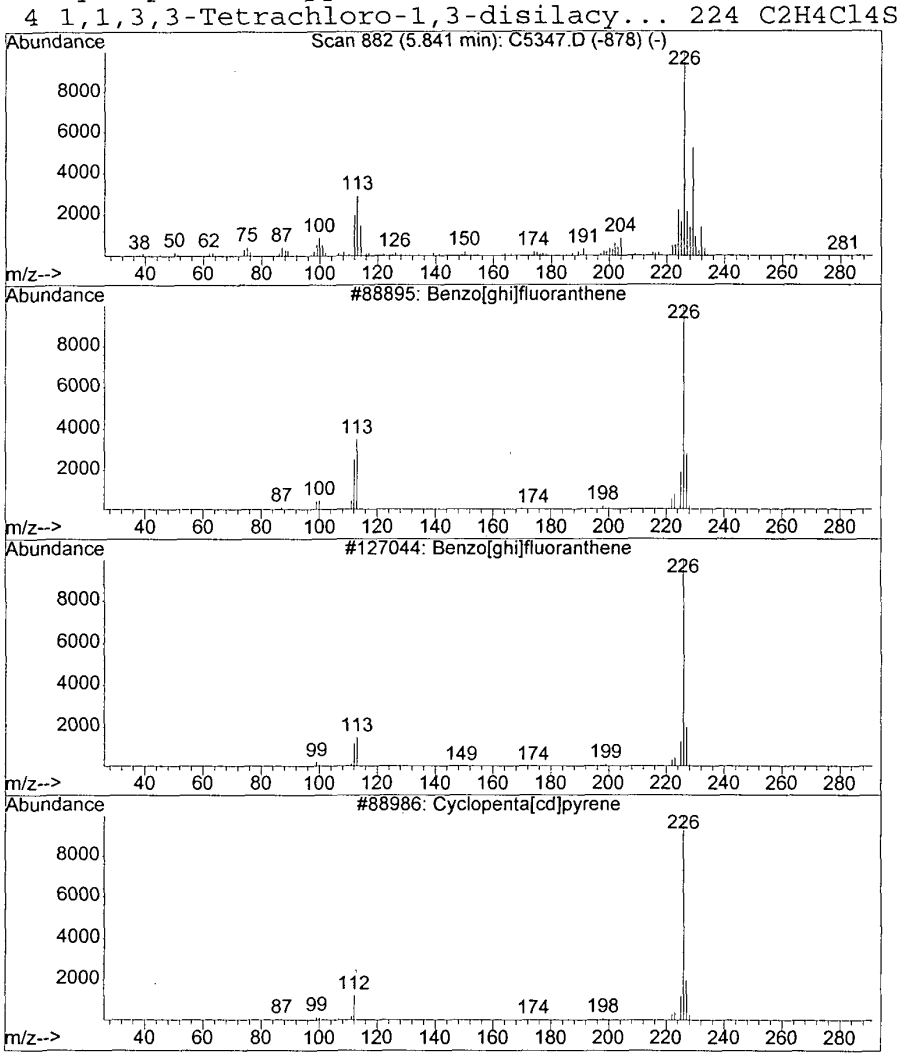
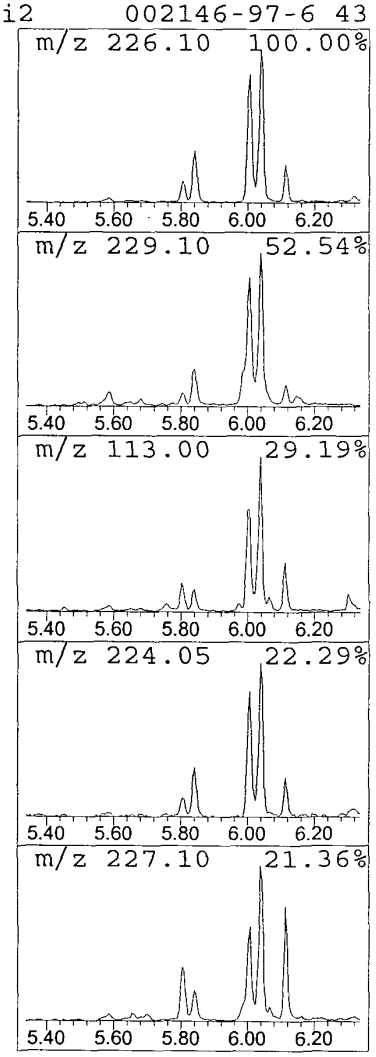
Peak Number 9 Unknown aromatic Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	4.55 UG	82149	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	90
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
4	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	43





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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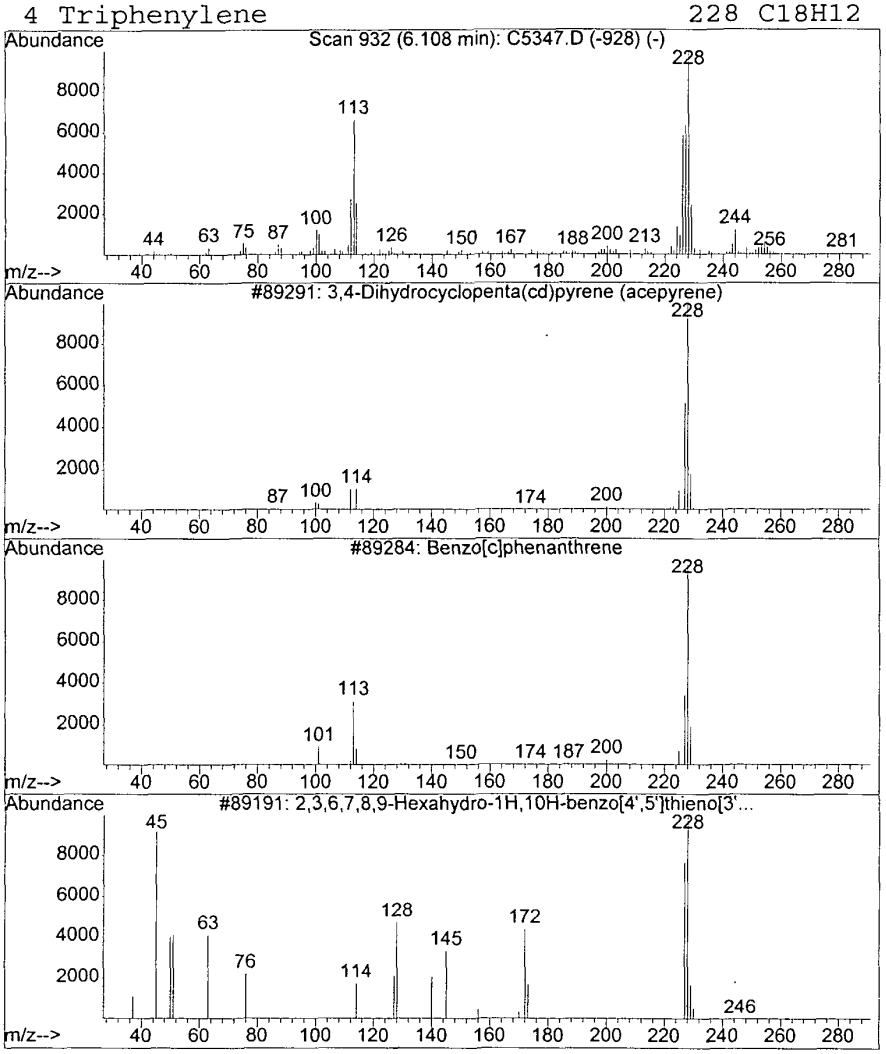
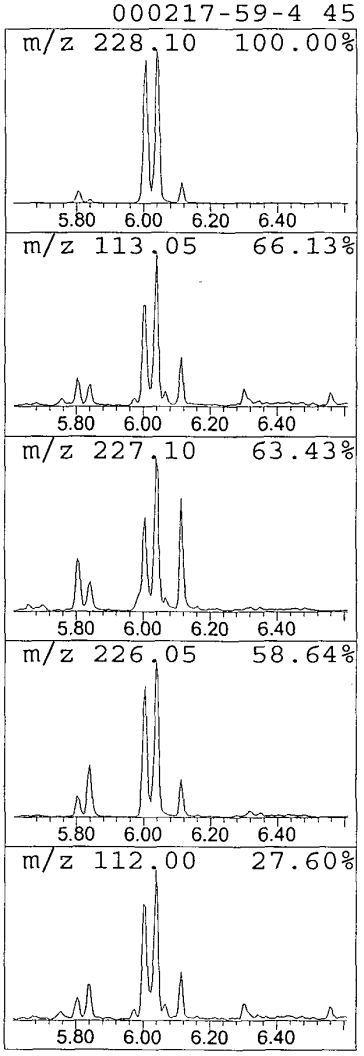
Peak Number 10 Unknown aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.11	5.14 UG	92763	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydrocyclopenta(cd)pyrene ...	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	2,3,6,7,8,9-Hexahydro-1H,10H-ben...	246	C13H14N2OS	1000223-08-5	46
4	Triphenylene	228	C18H12	000217-59-4	45





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302616

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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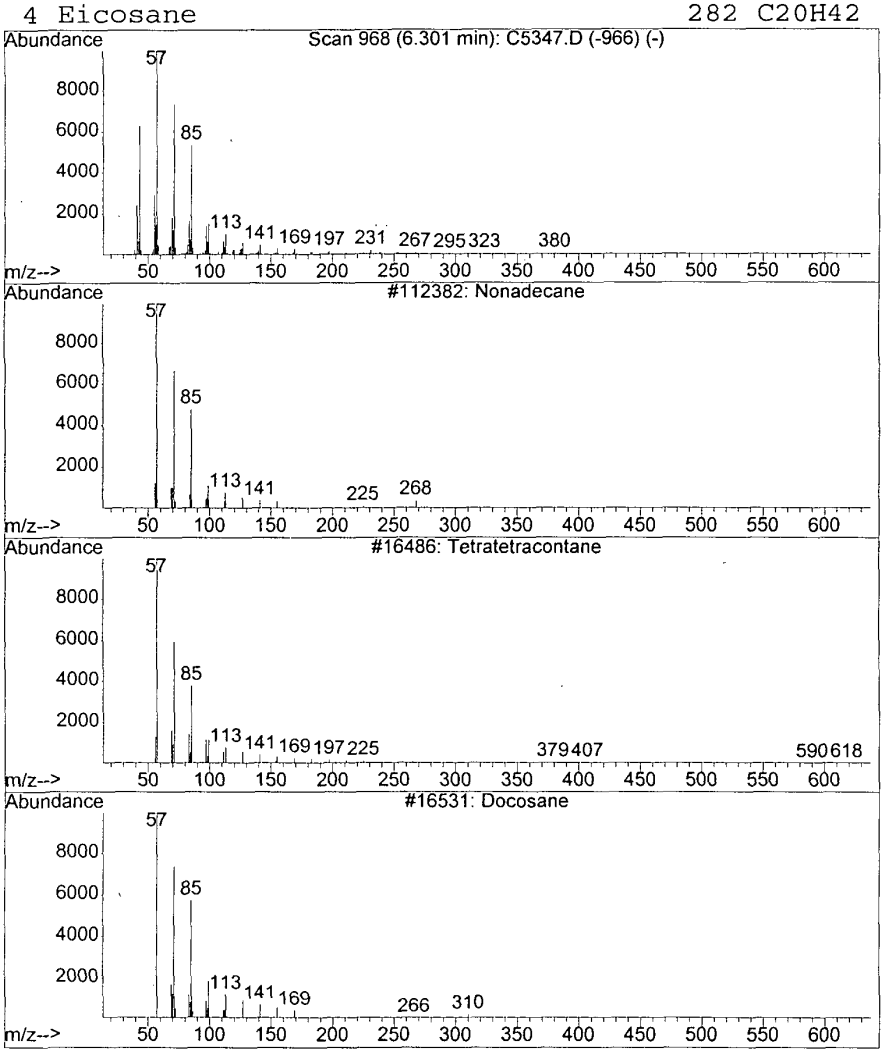
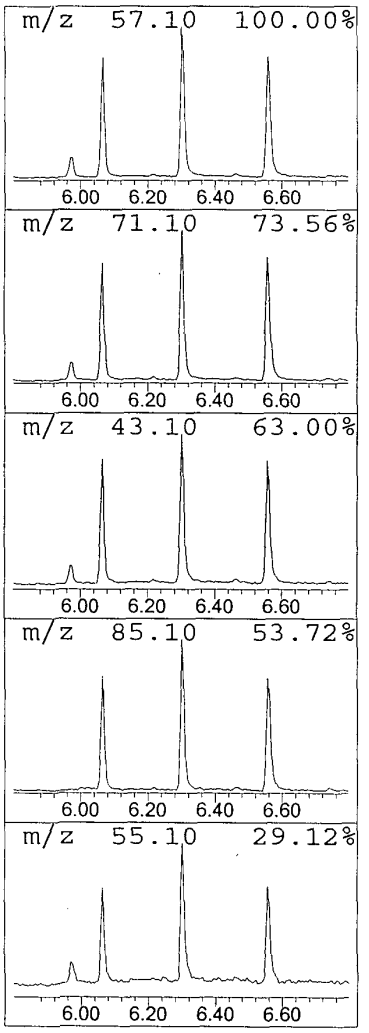
Peak Number 11 Unknown hydrocarbon Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	9.76 UG	176155	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Docosane	310	C22H46	000629-97-0	91
4	Eicosane	282	C20H42	000112-95-8	91





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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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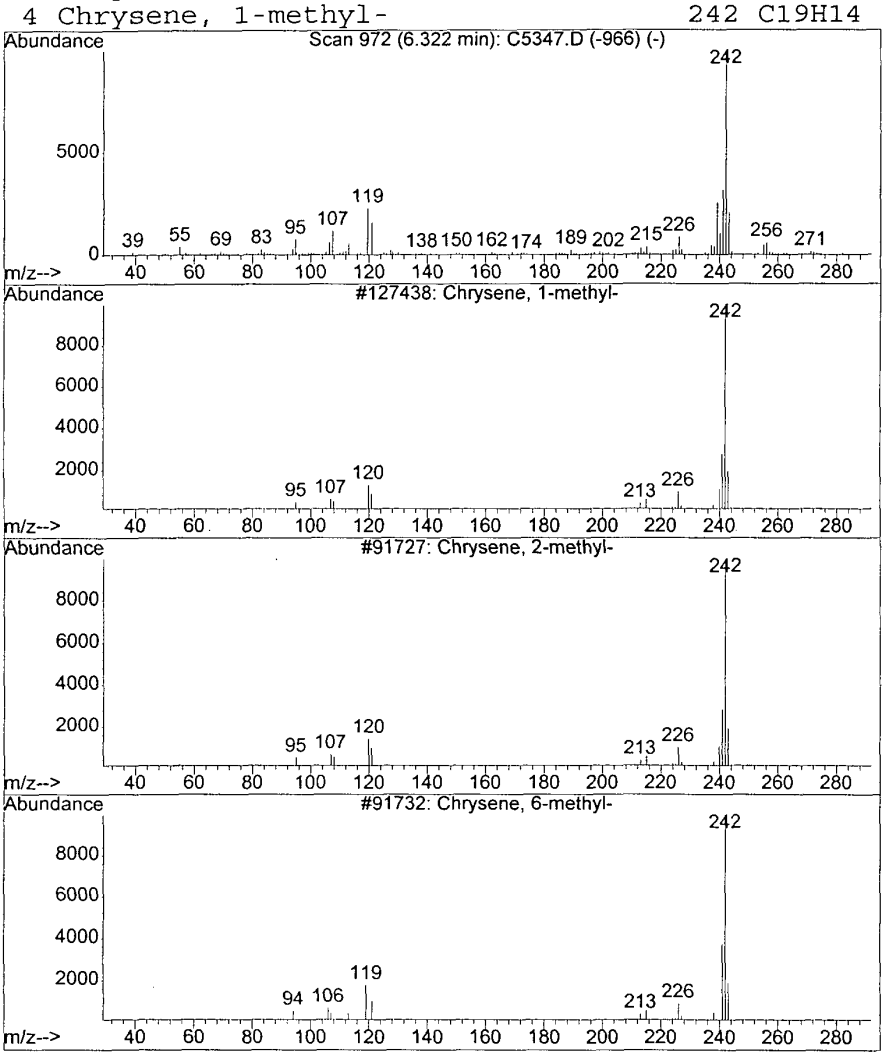
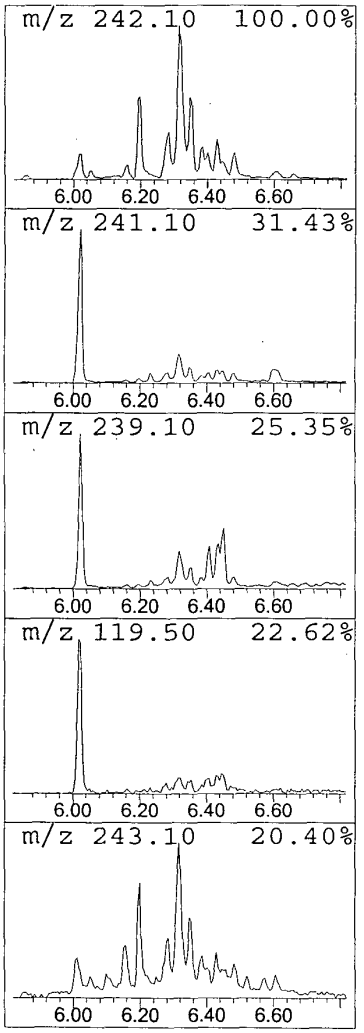
Peak Number 12 Unknown aromatic Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	5.95 UG	107263	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





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MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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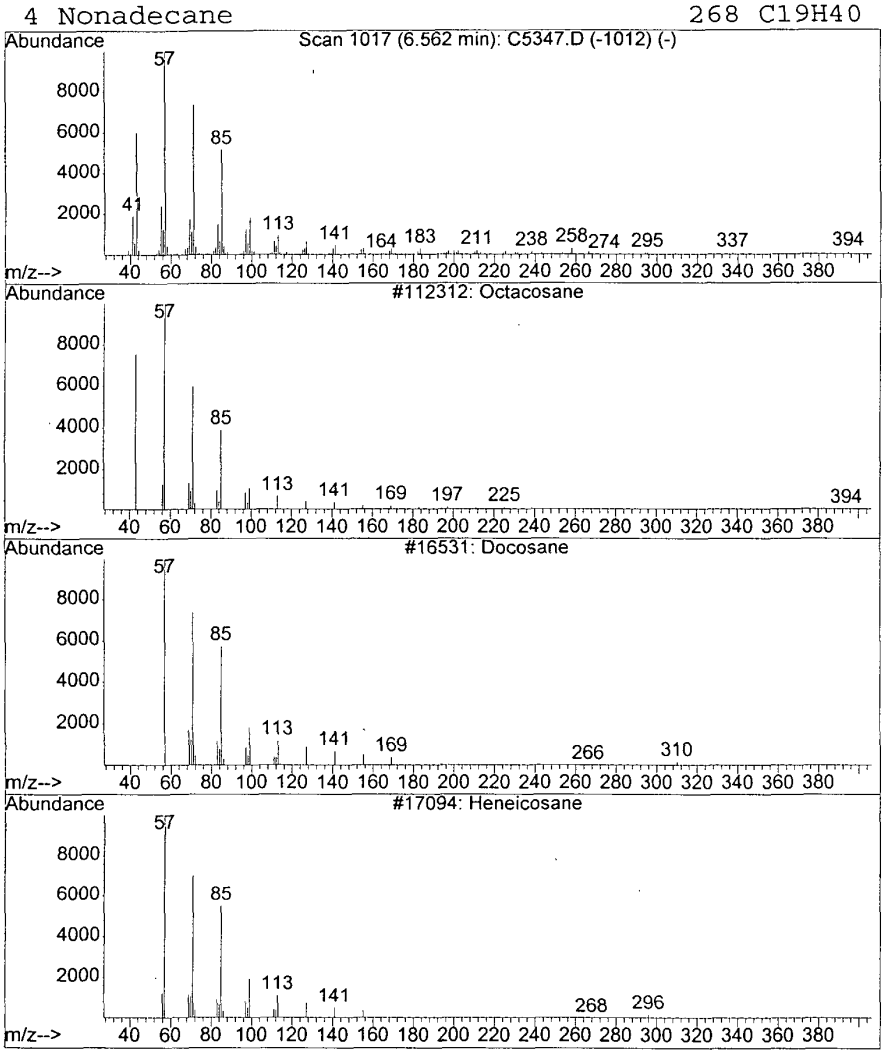
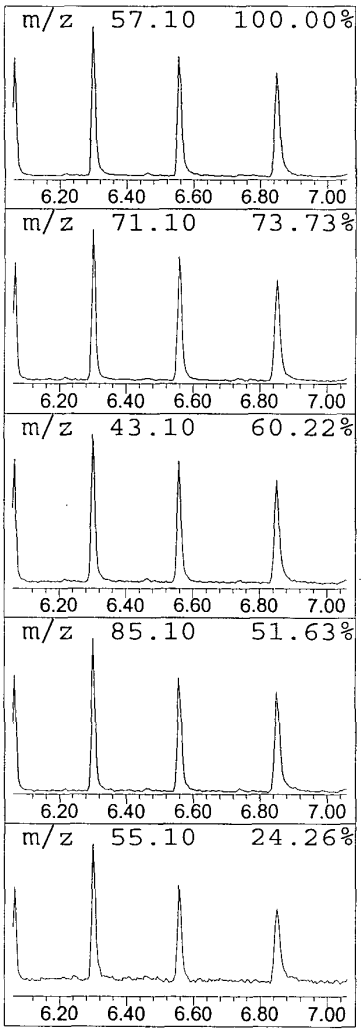
Peak Number 13 Unknown hydrocarbon Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	12.19 UG	219845	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	98
2	Docosane	310	C22H46	000629-97-0	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Nonadecane	268	C19H40	000629-92-5	91





Library Search Compound Report

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Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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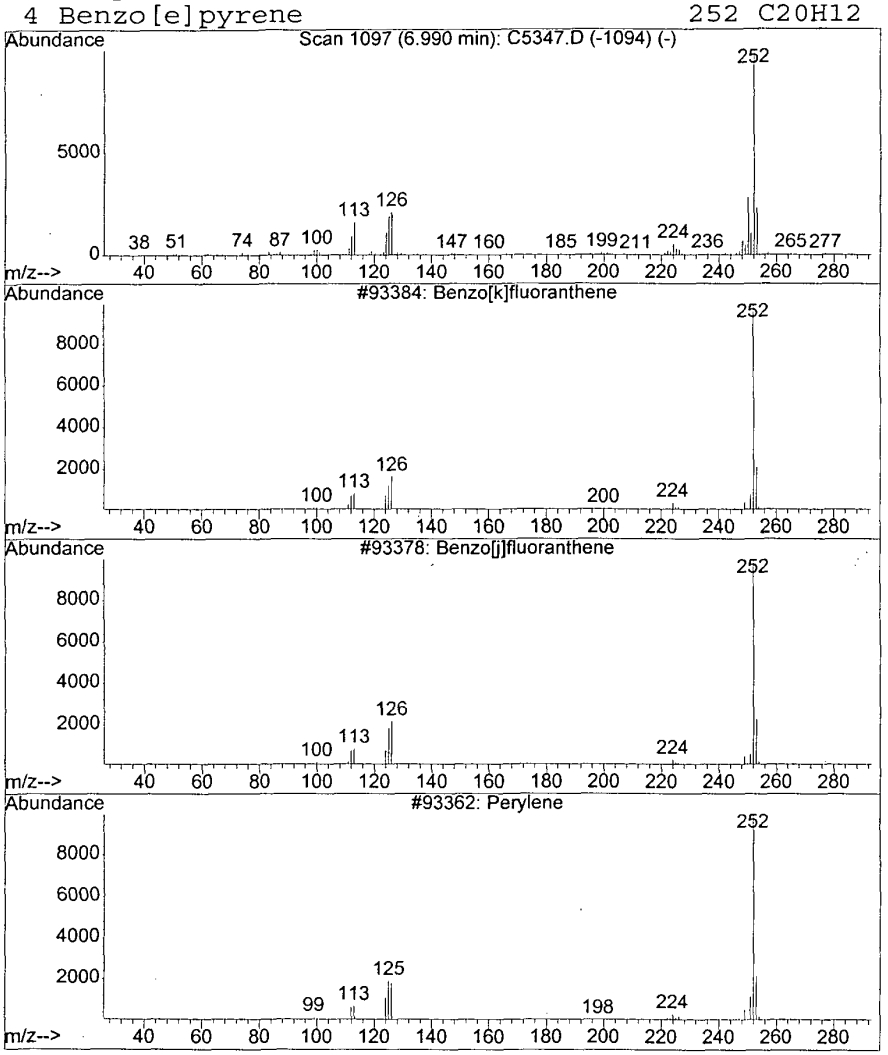
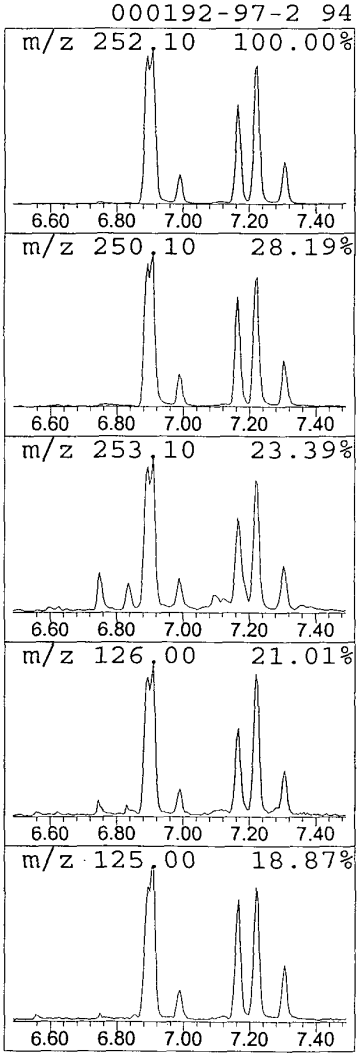
Peak Number 14 Unknown aromatic Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	4.92 UG	81793	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	94





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

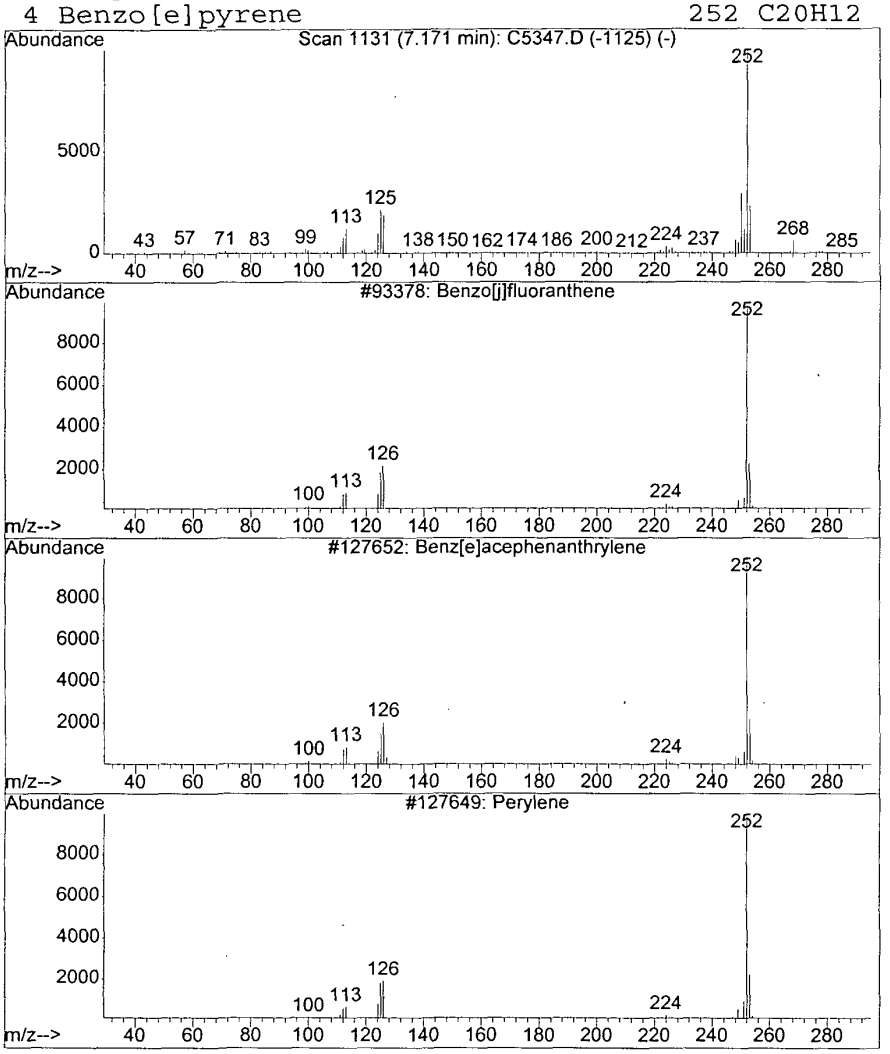
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

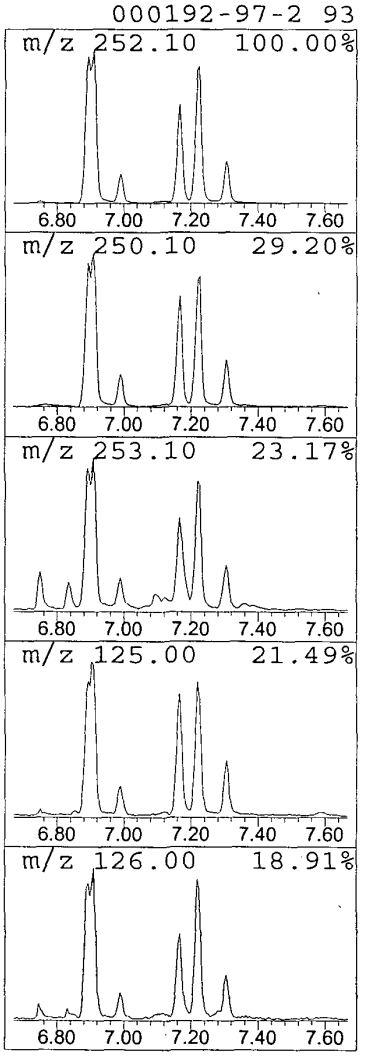
****

Peak Number 15 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	20.51 UG	341366	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5347.D Vial: 6
Acq On : 25 Feb 2003 16:49 Operator: CH
Sample : SB-T24-0/0-0,01327-004,S,10.76g,15.9,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

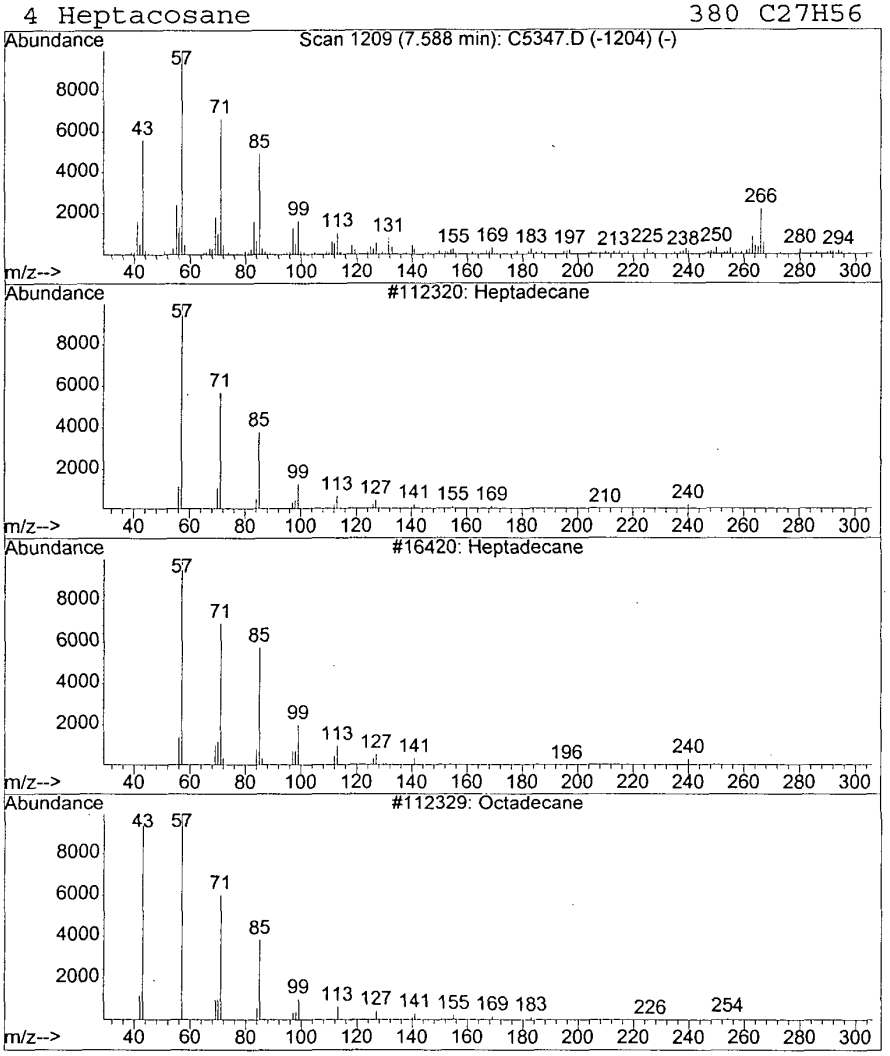
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

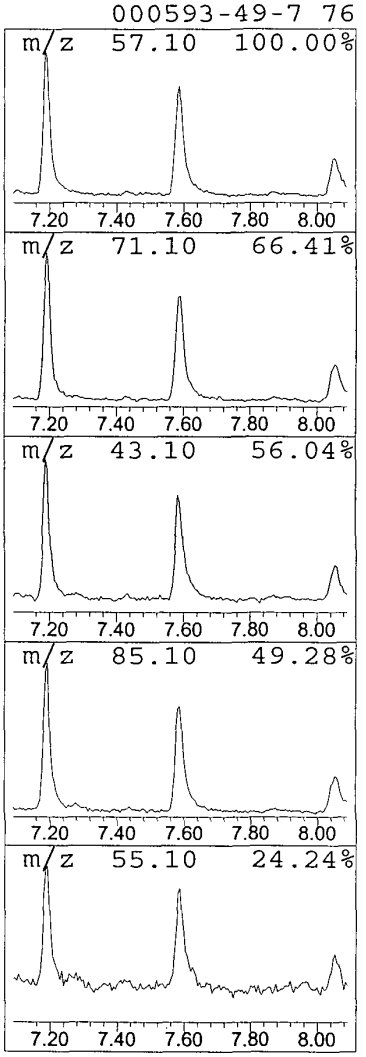
****

Peak Number 16 Unknown hydrocarbon Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	9.00 UG	149782	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane	240	C17H36	000629-78-7	94
3	Octadecane	254	C18H38	000593-45-3	89
4	Heptacosane	380	C27H56	000593-49-7	76





0284

302622

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5348.D Vial: 7
Acq On : 25 Feb 2003 17:04 Operator: CH
Sample : SB-T26-0/0-0,01327-005,S,10.02g,10.5,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 17:14:30 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	140661	40.00 UG	0.00
23) Naphthalene-d8	2.86	136	523578	40.00 UG	-0.01
43) Acenaphthene-d10	3.61	164	261127	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	407241	40.00 UG	-0.02
82) Chrysene-d12	6.01	240	218314	40.00 UG	-0.04
92) Perylene-d12	7.28	264	195555	40.00 UG	-0.04

System Monitoring Compounds					
4) 2-Fluorophenol	1.82	112	253439	56.68 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 56.68%		
6) Phenol-d5	2.16	99	379396	68.85 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 68.85%		
24) Nitrobenzene-d5	2.56	82	156402	35.79 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 71.58%		
47) 2-Fluorobiphenyl	3.31	172	339460	45.88 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 91.76%		
70) 2,4,6-Tribromophenol	3.96	330	90403	85.09 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 85.09%		
84) Terphenyl-d14	5.13	244	270300	54.88 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 109.76%		

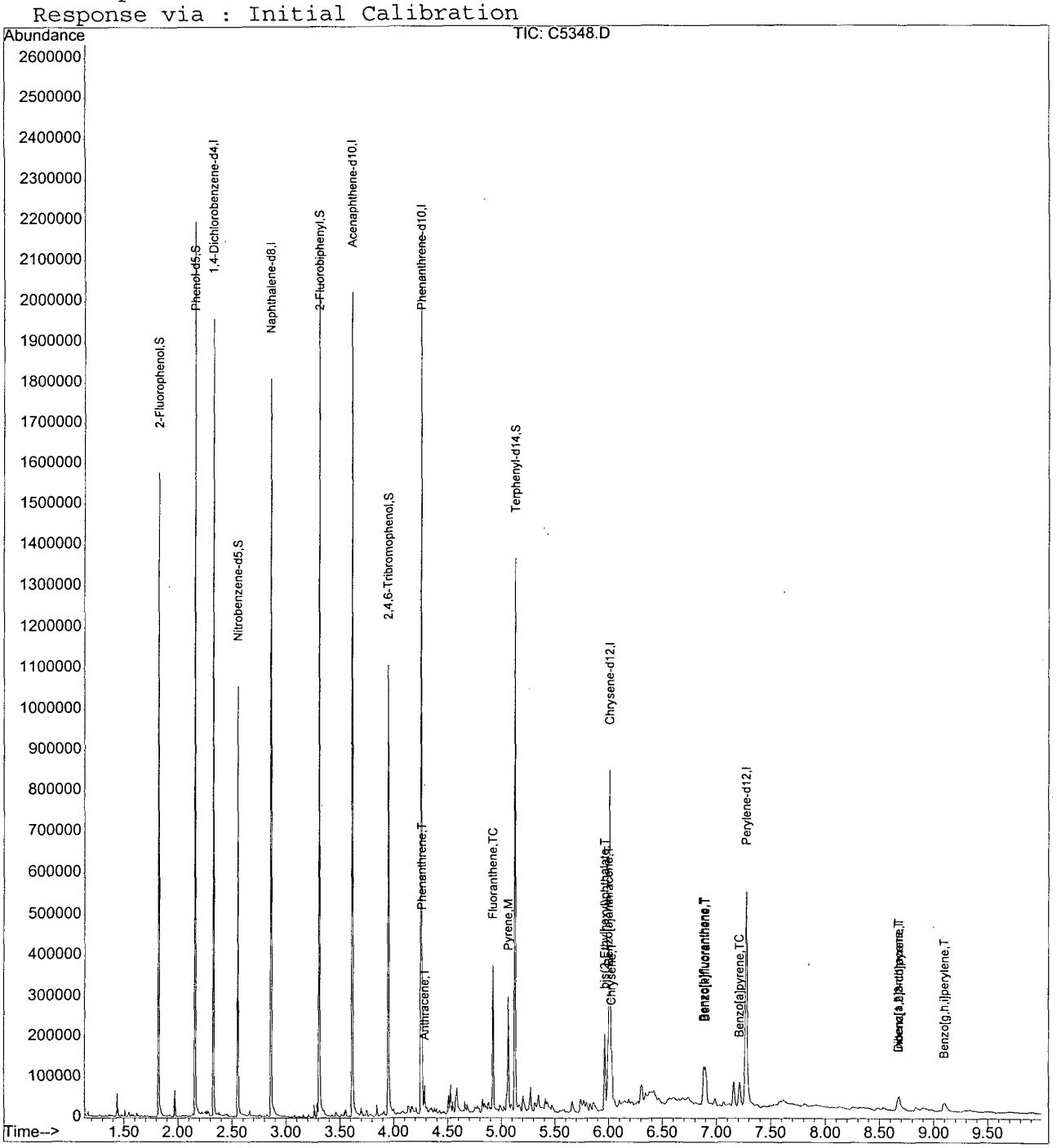
Target Compounds						Qvalue
75) Phenanthrene	4.27	178	62282	6.82 UG		99
76) Anthracene	4.29	178	14028	1.49 UG		96
79) Fluoranthene	4.92	202	97943	12.76 UG		93
83) Pyrene	5.07	202	74114	10.34 UG	#	91
88) Benzo[a]anthracene	6.00	228	39261	7.69 UG	#	90
89) Chrysene	6.03	228	41572	8.49 UG		95
90) bis(2-Ethylhexyl)phthalate	5.96	149	47215	10.13 UG		98
94) Benzo[b]fluoranthene	6.88	252	33906m	5.61 UG		
95) Benzo[k]fluoranthene	6.90	252	31029m	5.64 UG		
96) Benzo[a]pyrene	7.21	252	25683	4.89 UG	#	88
97) Indeno[1,2,3-cd]pyrene	8.68	276	22932m	3.69 UG		
98) Dibenz[a,h]anthracene	8.67	278	7630m	1.63 UG		
99) Benzo[g,h,i]perylene	9.11	276	19186	3.61 UG	#	53

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5348.D Vial: 7
Acq On : 25 Feb 2003 17:04 Operator: CH
Sample : SB-T26-0/0-0,01327-005,S,10.02g,10.5,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:03 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0286

302624

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5348.D Vial: 7
Acq On : 25 Feb 2003 17:04 Operator: CH
Sample : SB-T26-0/0-0,01327-005,S,10.02g,10.5,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

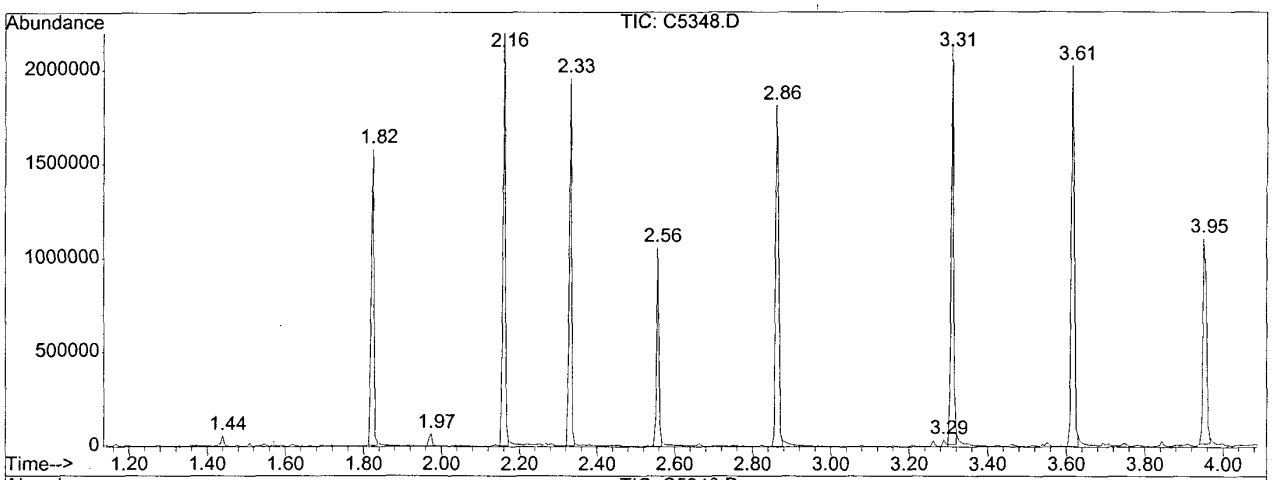
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.439	54	58	63	rVB2	57223	29457	2.53%	0.248%
2	1.824	127	130	132	rBV	1571871	762123	65.43%	6.421%
3	1.974	156	158	160	rBV	66234	36479	3.13%	0.307%
4	2.161	190	193	195	rBV	2190509	926082	79.50%	7.802%
5	2.332	222	225	227	rBV	1951428	810811	69.61%	6.831%
6	2.556	264	267	269	rBV	1053660	432355	37.12%	3.643%
7	2.860	322	324	327	rBV	1806729	1024699	87.97%	8.633%
8	3.288	402	404	406	rBV	36599	21289	1.83%	0.179%
9	3.309	406	408	410	rBV	2121043	911944	78.29%	7.683%
10	3.614	463	465	468	rBV	2018646	1132649	97.24%	9.543%
11	3.950	526	528	531	rBV2	1090077	695143	59.68%	5.857%
12	4.255	582	585	589	rBV2	2159904	1164840	100.00%	9.814%
13	4.287	589	591	593	rVB	60458	31426	2.70%	0.265%
14	4.511	630	633	634	rBV	42641	25647	2.20%	0.216%
15	4.527	634	636	638	rVB	69434	36321	3.12%	0.306%
16	4.586	642	647	656	rBV3	61989	84115	7.22%	0.709%
17	4.826	688	692	694	rBV	35426	30542	2.62%	0.257%
18	4.922	708	710	715	rVB	358982	242044	20.78%	2.039%
19	5.067	732	737	740	rBV2	284492	220650	18.94%	1.859%
20	5.131	745	749	752	rBV	1349079	823483	70.69%	6.938%
21	5.206	760	763	769	rBV3	39124	46829	4.02%	0.395%
22	5.275	769	776	779	rBV2	59618	53222	4.57%	0.448%
23	5.312	781	783	786	rBV	20328	22155	1.90%	0.187%
24	5.350	786	790	794	rVB2	34980	32984	2.83%	0.278%
25	5.414	799	802	804	rBV	28248	25130	2.16%	0.212%
26	5.660	845	848	854	rVB	26433	32317	2.77%	0.272%
27	5.740	859	863	866	rBV2	34087	43759	3.76%	0.369%
28	5.799	871	874	877	rVB	22658	22891	1.97%	0.193%
29	5.857	883	885	894	rVB2	21633	36520	3.14%	0.308%
30	5.964	902	905	908	rBV	190404	172709	14.83%	1.455%
31	6.012	908	914	917	rBV	809930	797242	68.44%	6.717%

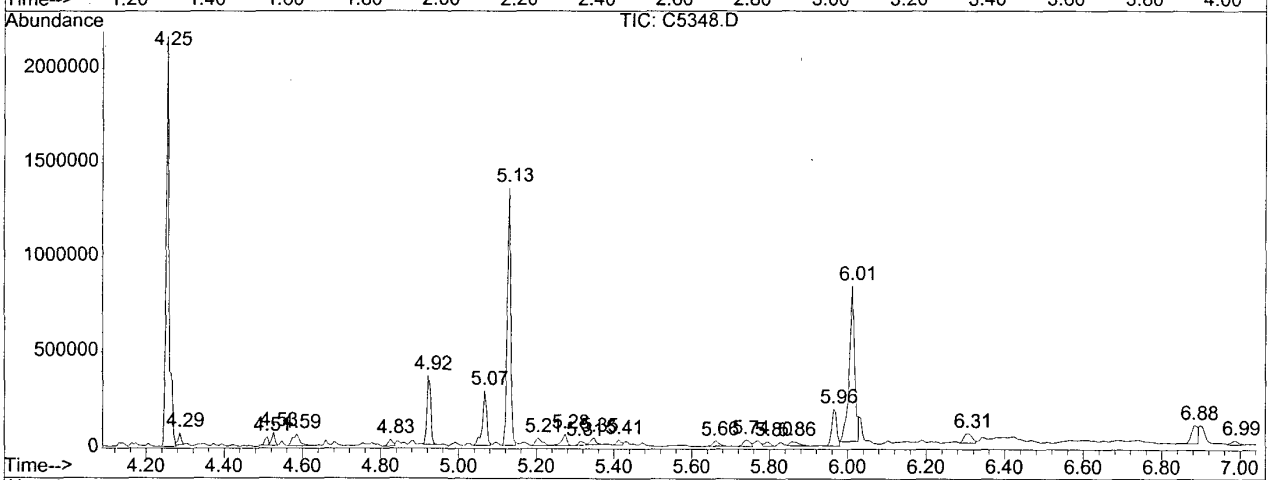
32	6.306	965	969	973	rBV3	48324	72669	6.24%	0.612%
33	6.883	1073	1077	1079	rBV	94905	117183	10.06%	0.987%
34	6.990	1093	1097	1101	rVB	20135	25848	2.22%	0.218%
35	7.161	1125	1129	1135	rVB	61462	72663	6.24%	0.612%
36	7.214	1135	1139	1144	rBV	59585	78525	6.74%	0.662%
37	7.278	1144	1151	1160	rBV	525785	651468	55.93%	5.489%
38	8.683	1405	1414	1420	rBV	34263	78016	6.70%	0.657%
39	9.100	1486	1492	1501	rBV2	19062	44880	3.85%	0.378%

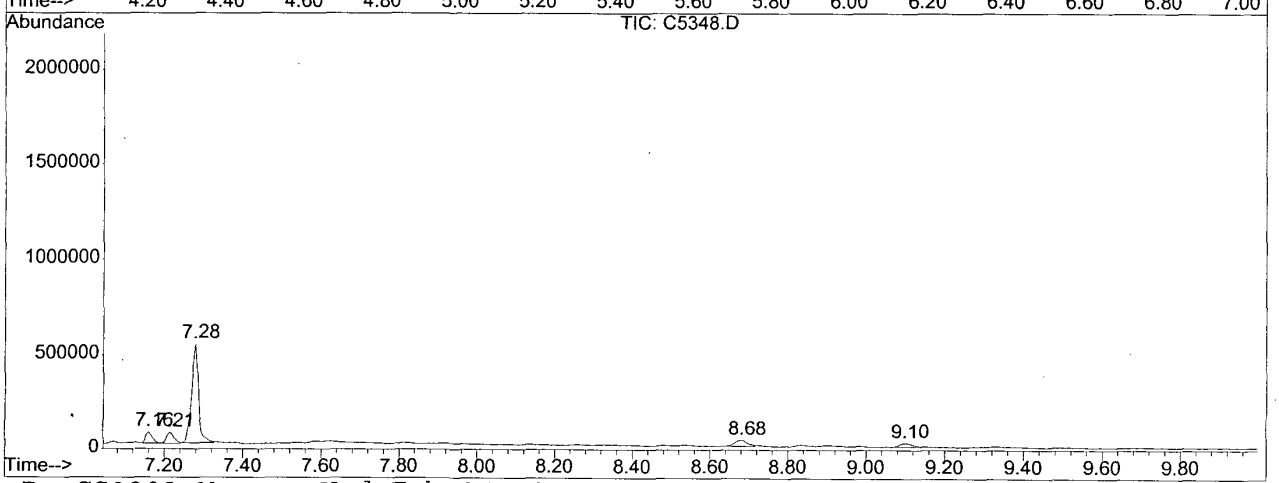
Sum of corrected areas: 11869109

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-25-03\C5348.D
Operator : CH
Acquired : 25 Feb 2003 17:04 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-T26-0/0-0,01327-005,S,10.02g,10.5,02/
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1
Vial Number: 7
Quant File :CS0203.RES (RTE Integrator)







0289

302627

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5348.D Vial: 7
Acq On : 25 Feb 2003 17:04 Operator: CH
Sample : SB-T26-0/0-0,01327-005,S,10.02g,10.5,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

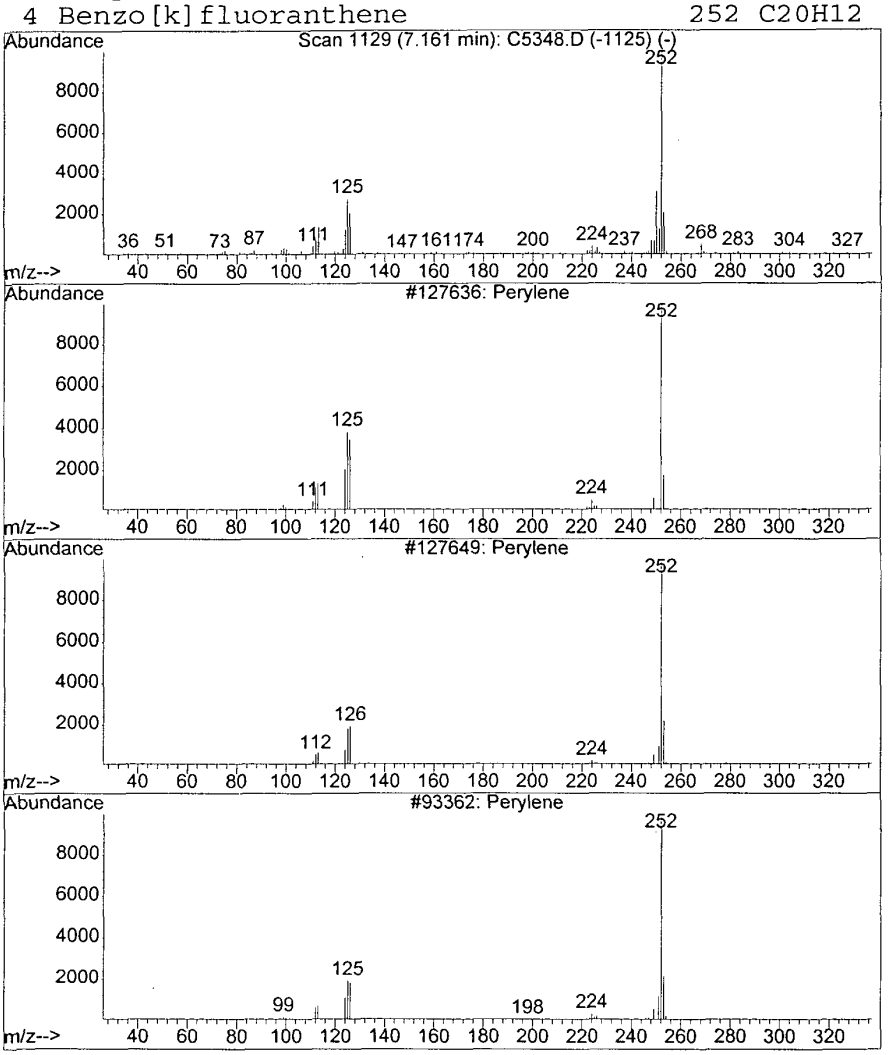
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

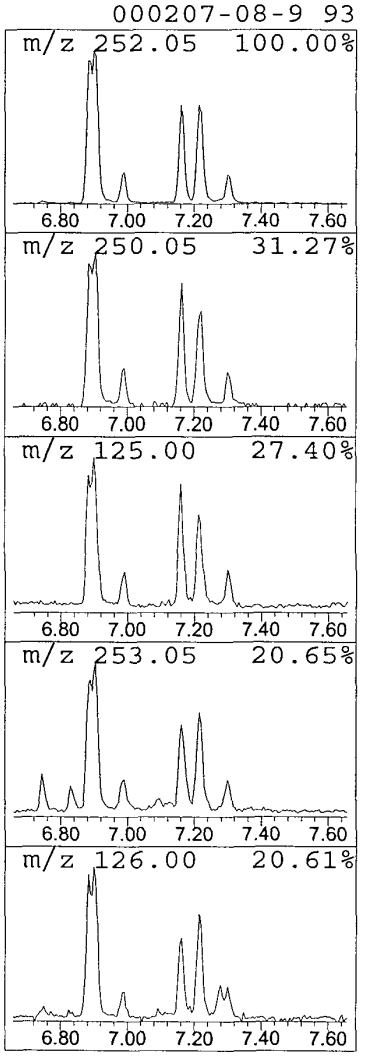
****

Peak Number 1 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	4.46 UG	72663	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Perylene	252	C20H12	000198-55-0	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





0290

302628

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 20:41:34 2003 Quant Results File: BS0303.RES

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:27:43 2003
Response via : Initial Calibration
DataAcq Meth : BS0303

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	53280	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	190303	40.00 UG	0.00
43) Acenaphthene-d10	3.68	164	100366	40.00 UG	-0.01
66) Phenanthrene-d10	4.34	188	141907	40.00 UG	0.00
82) Chrysene-d12	6.12	240	89414	40.00 UG	-0.02
92) Perylene-d12	7.42	264	74942	40.00 UG	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	8524	5.76 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 5.76%#		
6) Phenol-d5	2.22	99	12826	6.81 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 6.81%#		
24) Nitrobenzene-d5	2.62	82	4827	2.94 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 5.88%#		
47) 2-Fluorobiphenyl	3.38	172	11826	4.11 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 8.22%#		
70) 2,4,6-Tribromophenol	4.03	330	2234	6.04 UG	0.00
Spiked Amount 100.000	Range 53 - 141		Recovery = 6.04%#		
84) Terphenyl-d14	5.21	244	8300	4.24 UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 8.48%#		

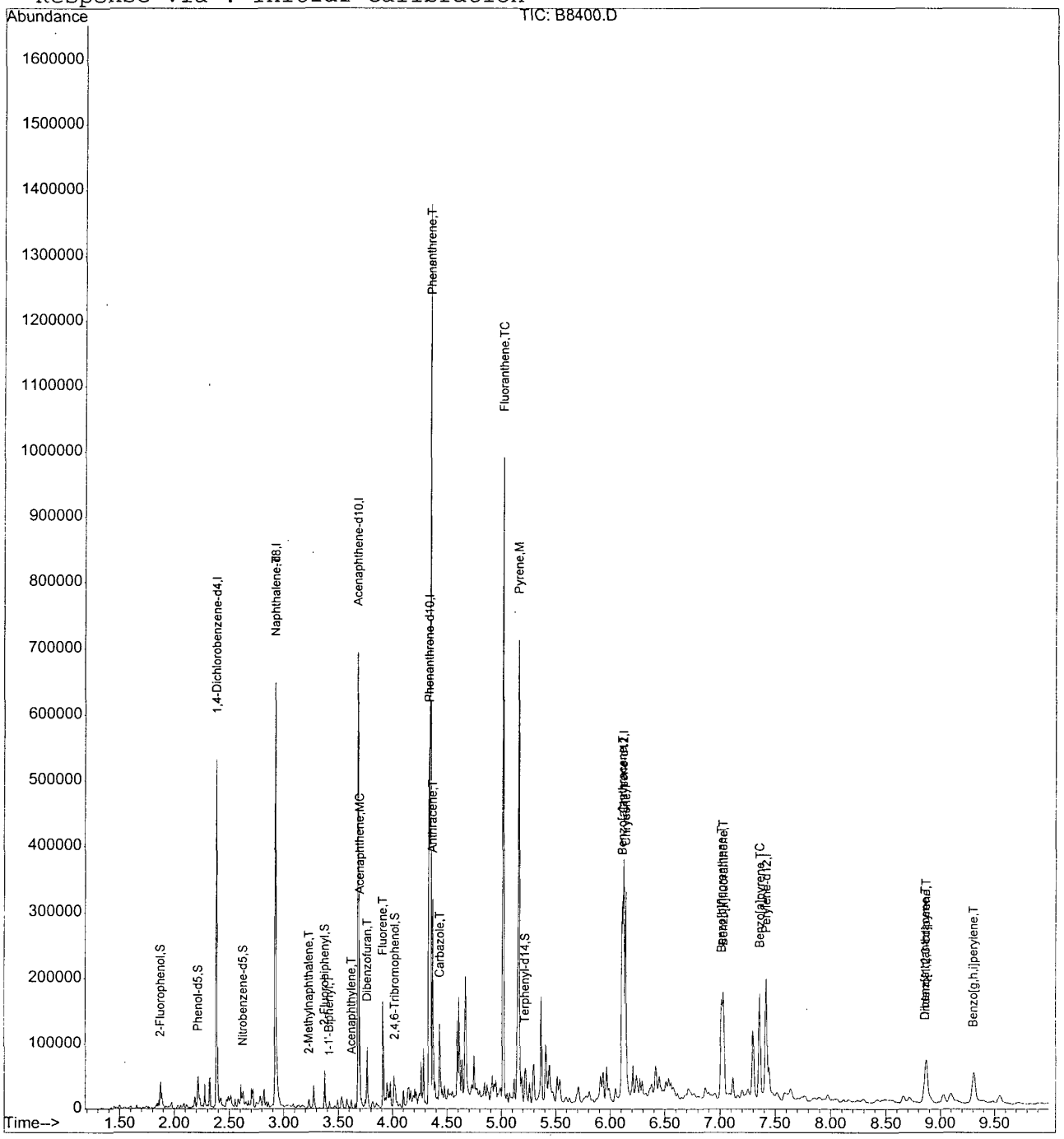
Target Compounds						Qvalue
34) Naphthalene	2.93	128	13484	3.51 UG	#	55
41) 2-Methylnaphthalene	3.23	142	3268	1.25 UG		96
48) 1-1'-Biphenyl	3.42	154	2442	0.83 UG		91
53) Acenaphthylene	3.62	152	2799	0.75 UG		98
55) Acenaphthene	3.70	153	27923	12.23 UG		95
59) Dibenzofuran	3.77	168	23549	7.17 UG		89
61) Fluorene	3.91	166	30443	11.90 UG		99
75) Phenanthrene	4.35	178	296863	106.62 UG		99
76) Anthracene	4.37	178	61365m	22.46 UG		
77) Carbazole	4.43	167	31092	12.72 UG		98
79) Fluoranthene	5.02	202	260276	101.36 UG		100
83) Pyrene	5.16	202	217435	88.74 UG		97
88) Benzo[a]anthracene	6.11	228	85156	46.93 UG	#	91
89) Chrysene	6.14	228	77242	45.55 UG	#	92
94) Benzo[b]fluoranthene	7.01	252	72526	32.75 UG		99
95) Benzo[k]fluoranthene	7.03	252	52855m	24.01 UG		
96) Benzo[a]pyrene	7.36	252	68806	35.16 UG		95
97) Indeno[1,2,3-cd]pyrene	8.87	276	46780	22.10 UG		97
98) Dibenz[a,h]anthracene	8.86	278	12766	7.88 UG		93
99) Benzo[g,h,i]perylene	9.31	276	41889	22.88 UG		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:23 2003 Quant Results File: BS0303.RES

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:27:43 2003
Response via : Initial Calibration

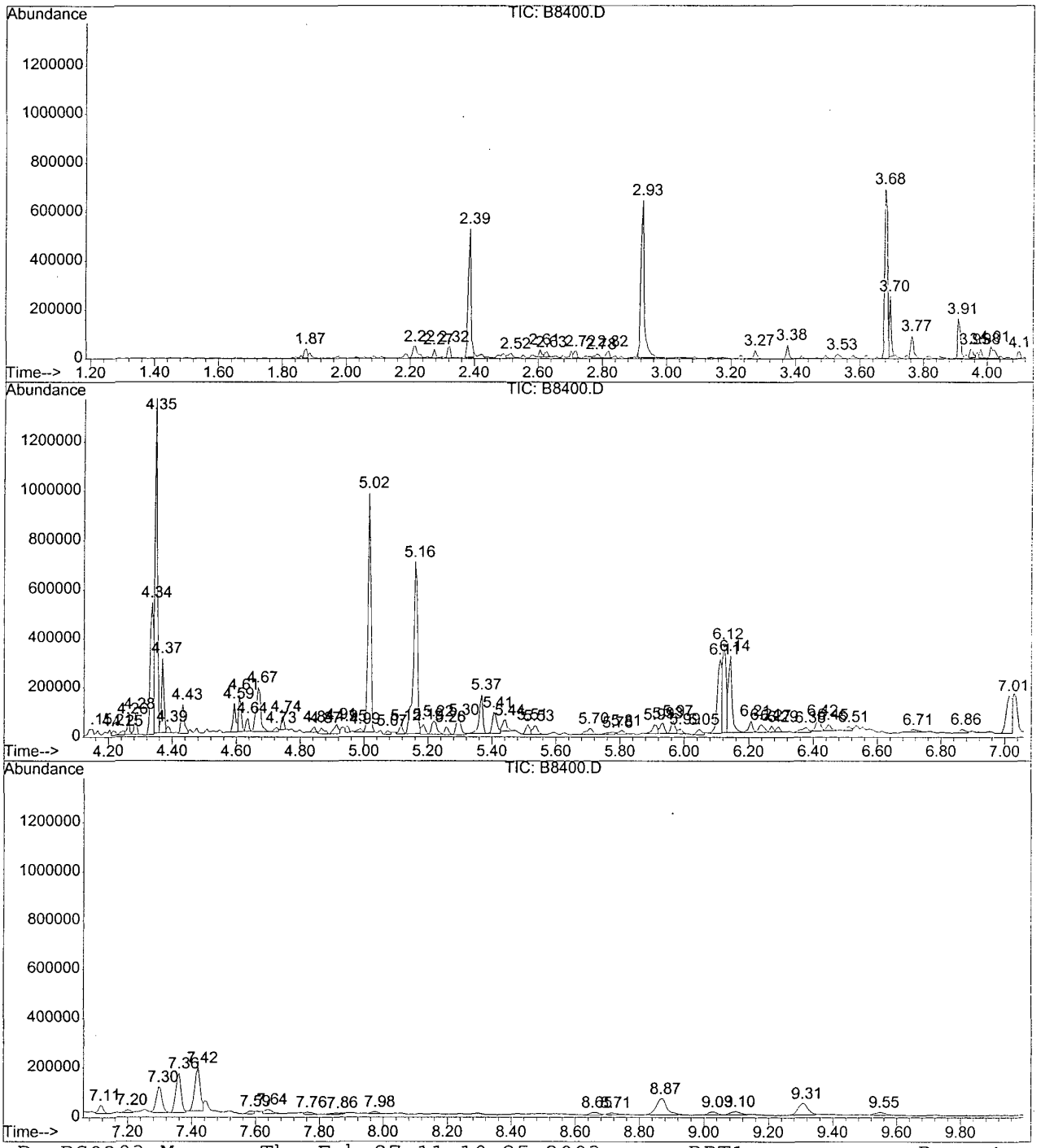


0292

302630

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D
Operator : JC
Acquired : 26 Feb 2003 20:31 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12
Vial Number: 48
Quant File :BS0303.RES (RTE Integrator)



0293

302631

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

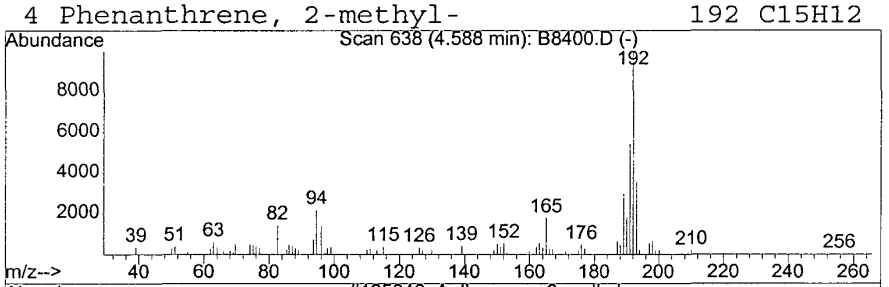
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

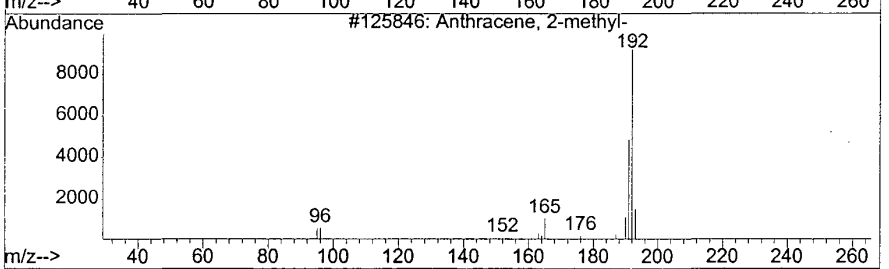
****

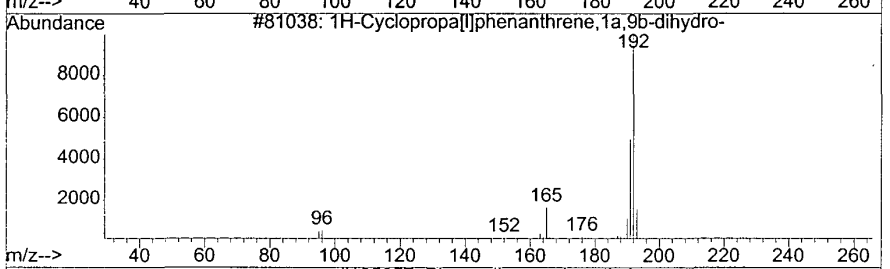
Peak Number 1 Unknown aromatic Concentration Rank 10

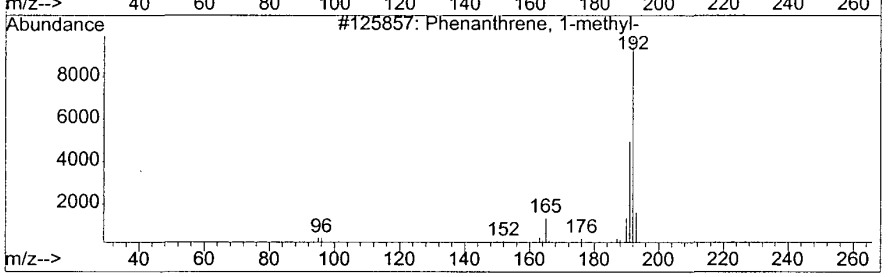
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	6.61 UG	74205	Phenanthrene-d10	4.34

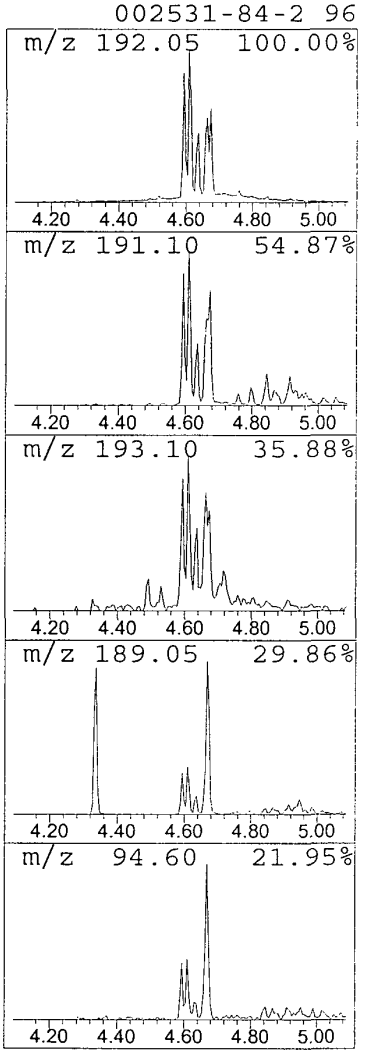
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96











0294

302632

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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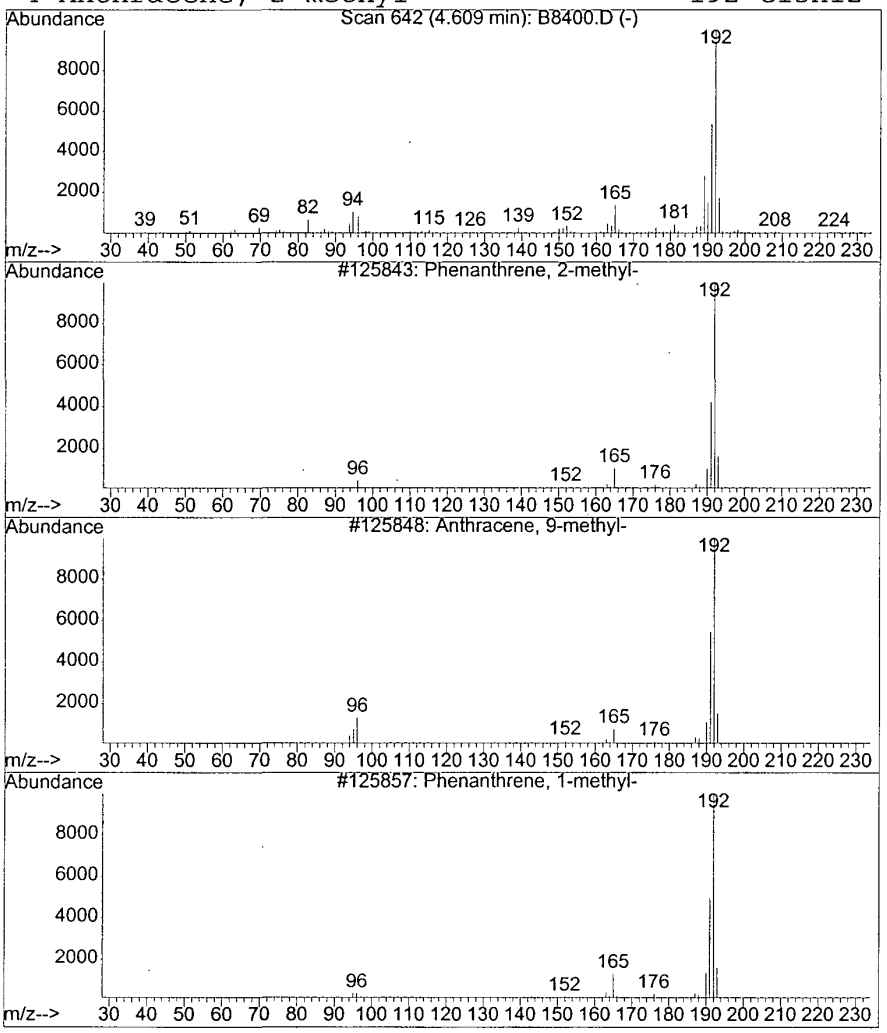
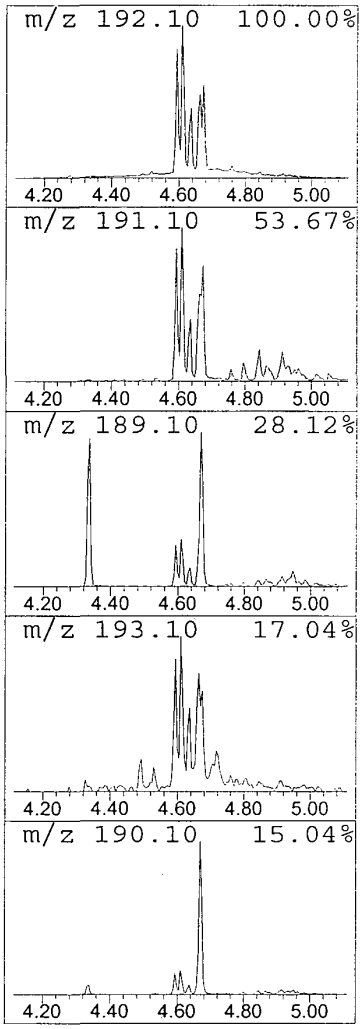
Peak Number 2 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.61	6.92 UG	77685	Phenanthrene-d10	4.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





0295

302633

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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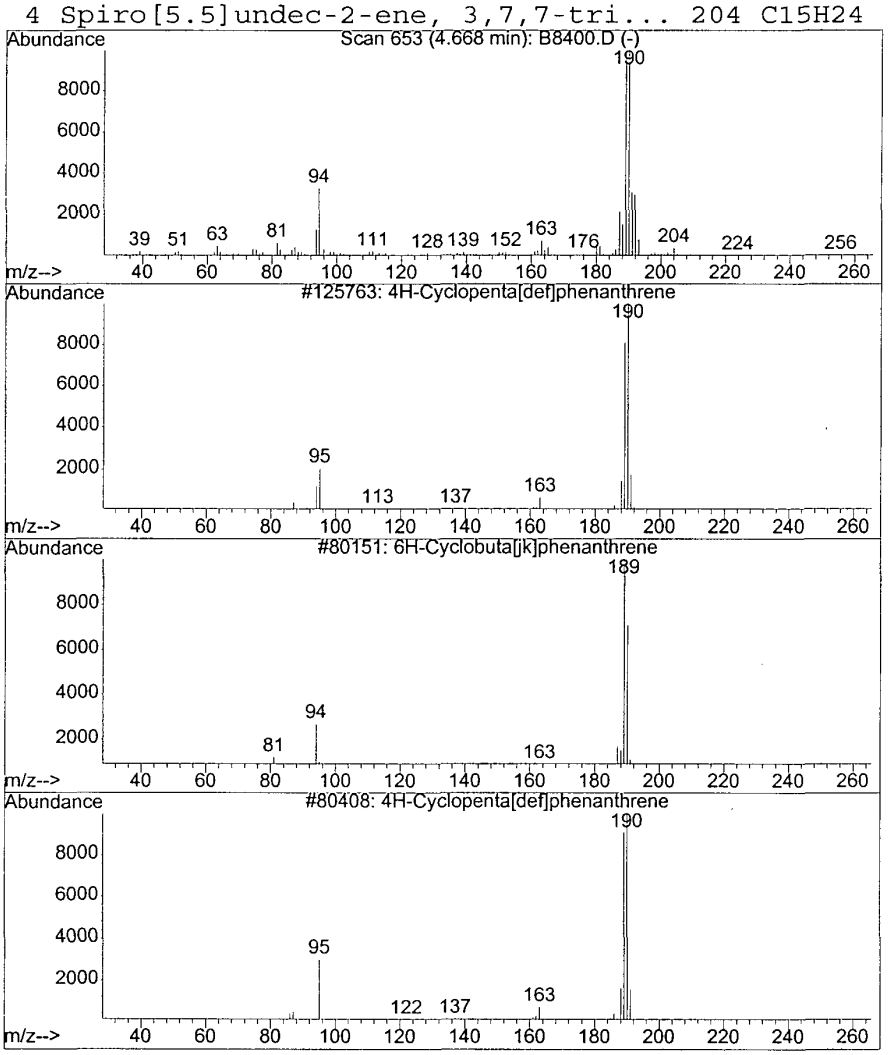
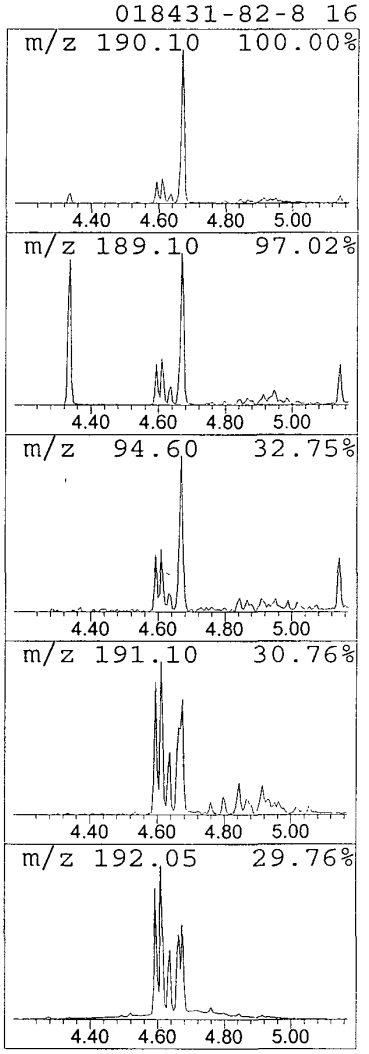
Peak Number 3 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	16.33 UG	183200	Phenanthrene-d10	4.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	16





0296

302634

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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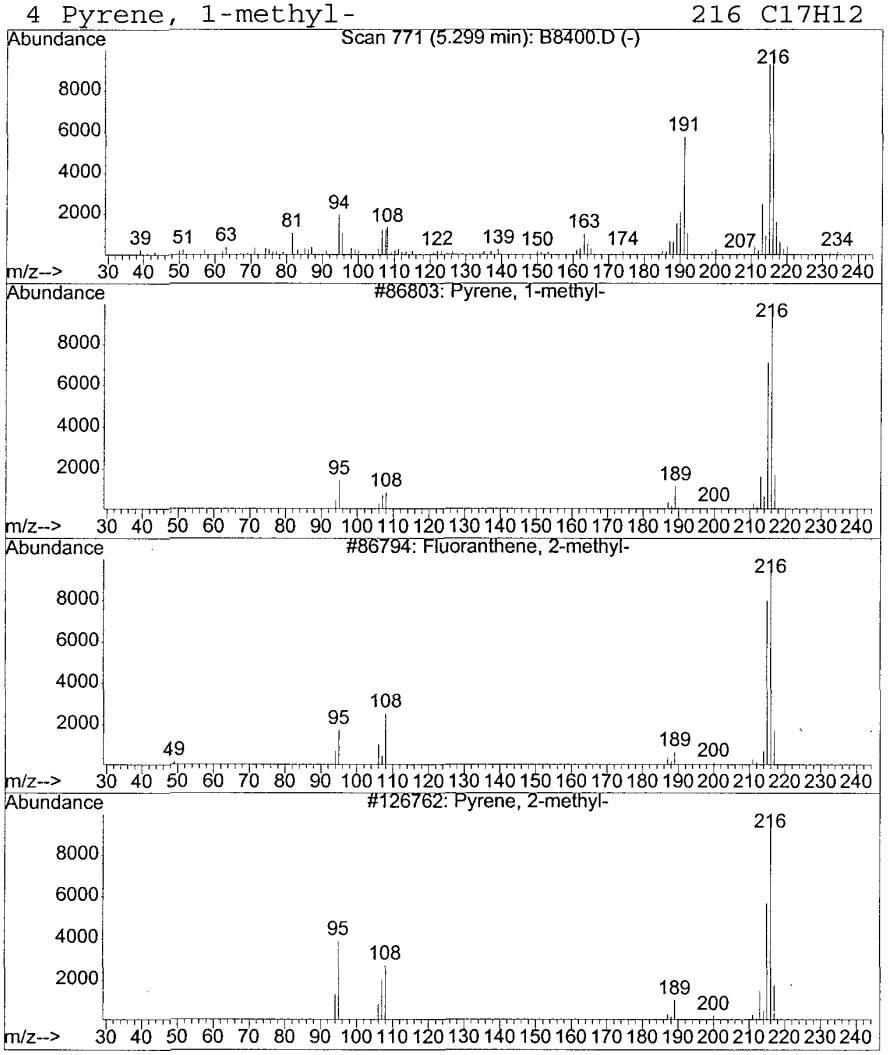
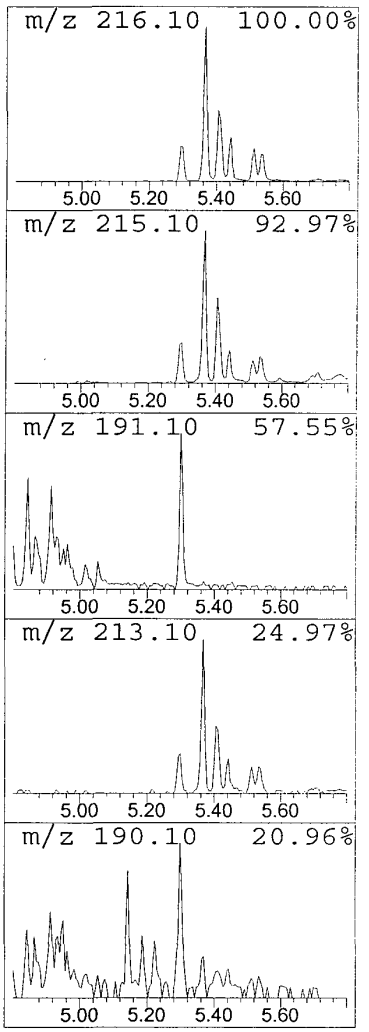
Peak Number 4 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.30	10.90 UG	70537	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





0297

302635

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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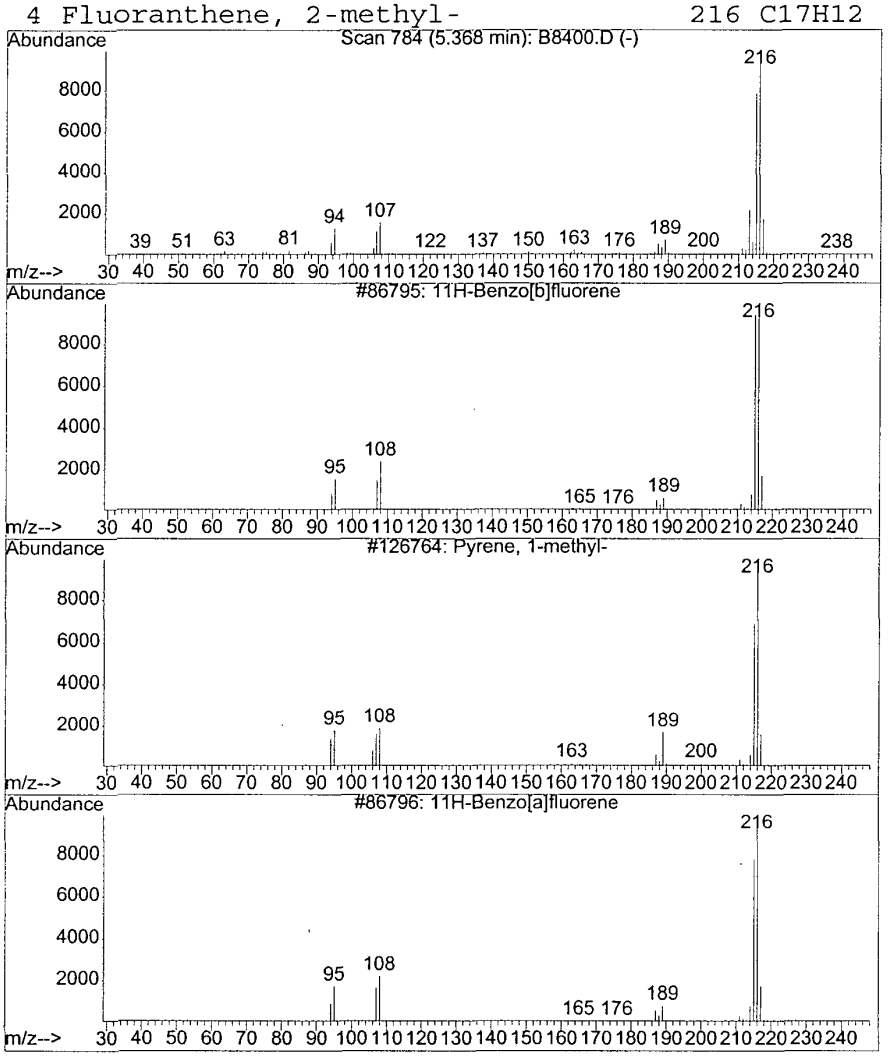
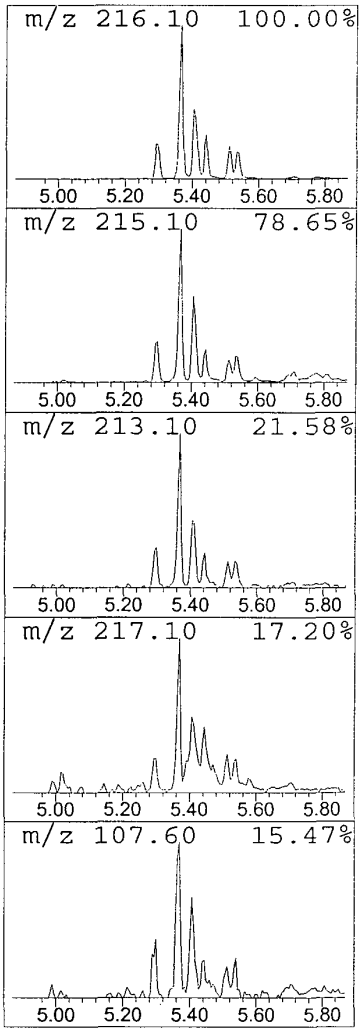
Peak Number 5 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	19.30 UG	124861	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





0298

302636

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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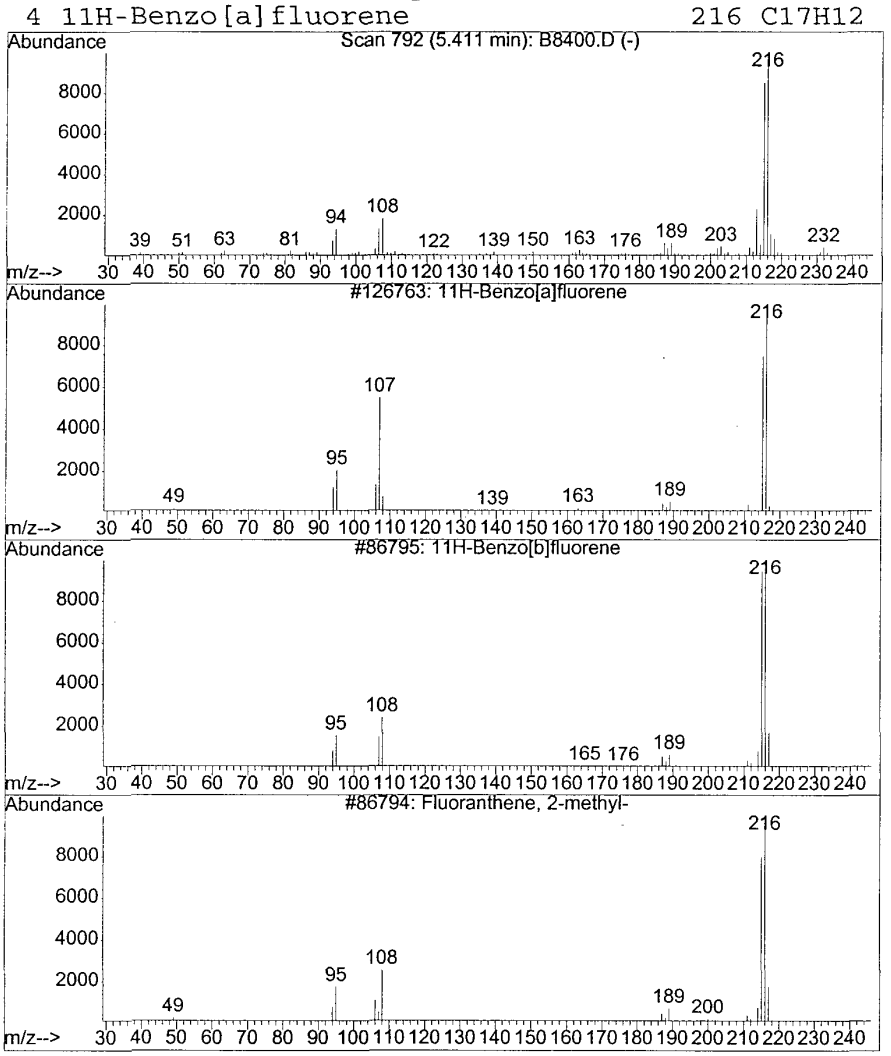
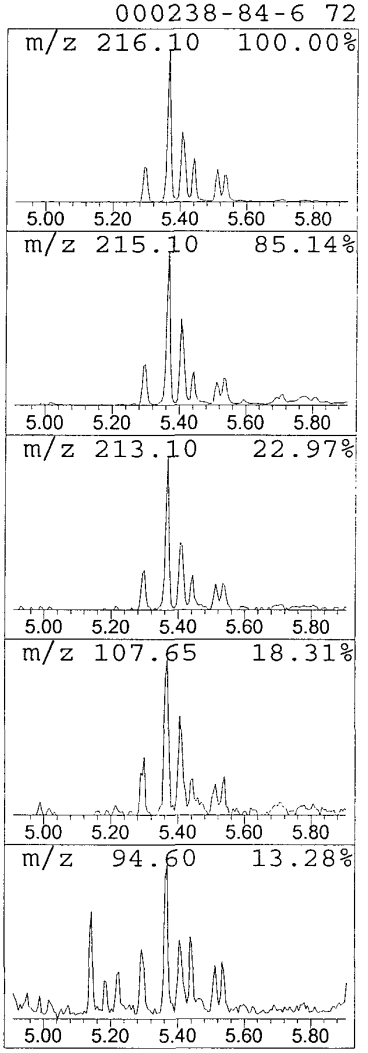
Peak Number 6 Unknown aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.41	13.71 UG	88724	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





0299

302637

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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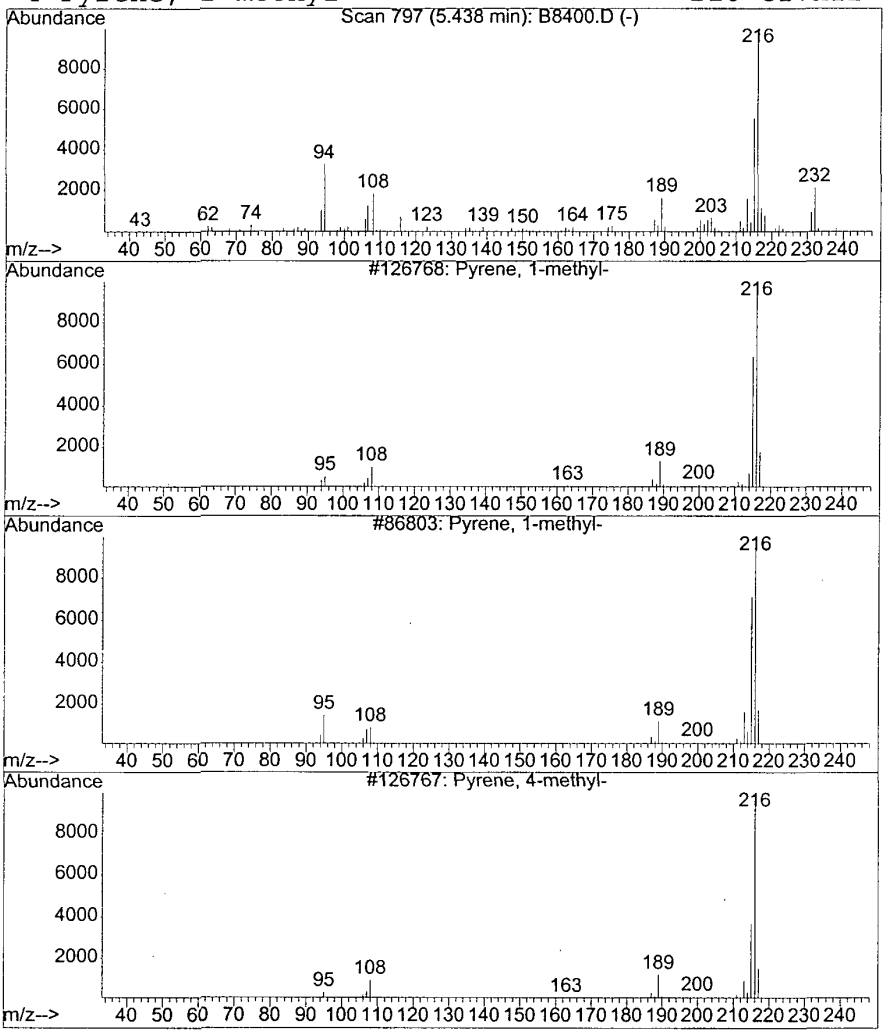
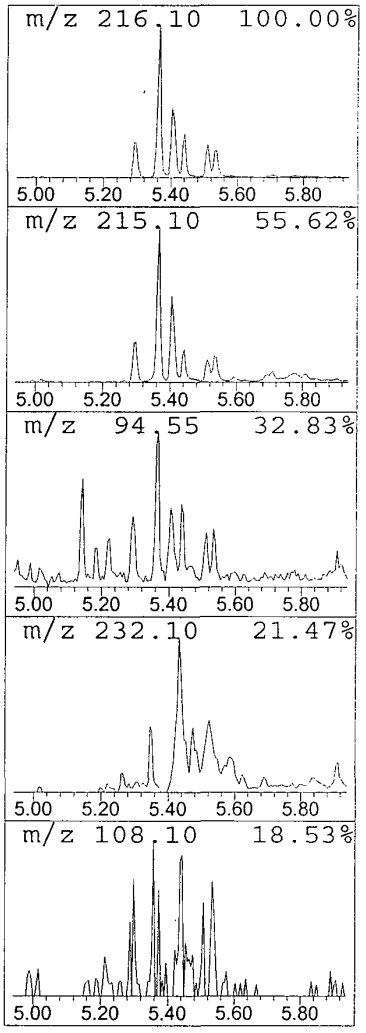
Peak Number 7 Unknown aromatic Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	6.87 UG	44434	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





0300

302638

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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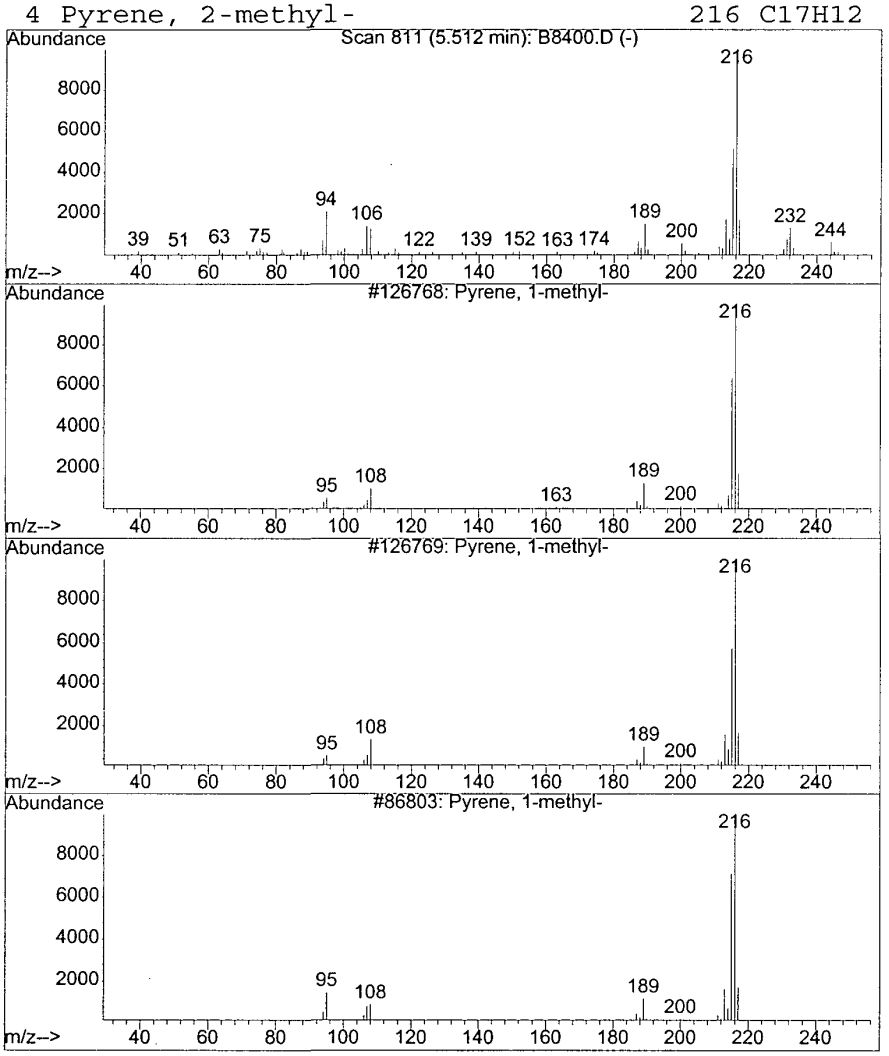
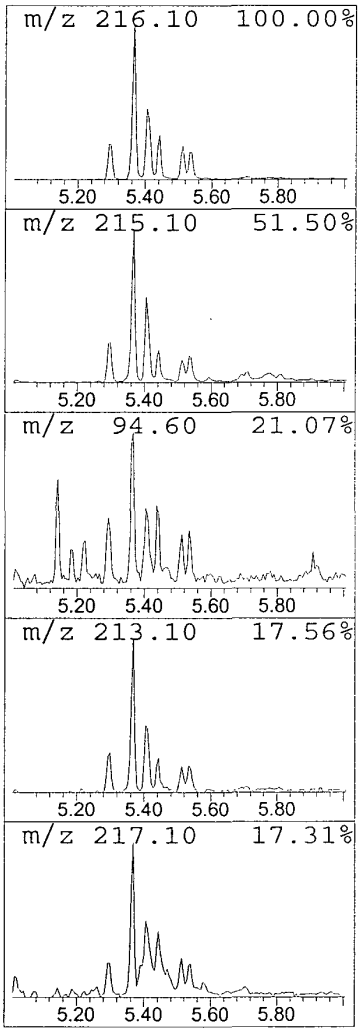
Peak Number 8 Unknown aromatic Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.51	5.75 UG	37228	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





0301

302639

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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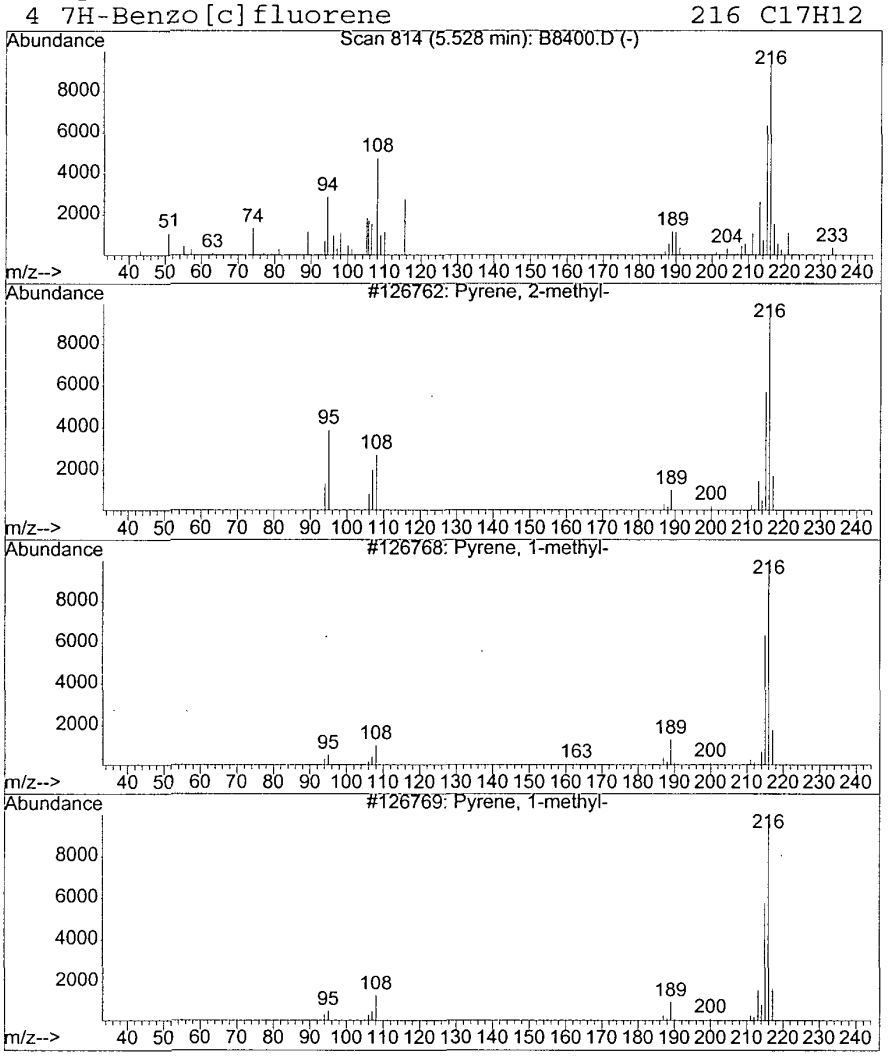
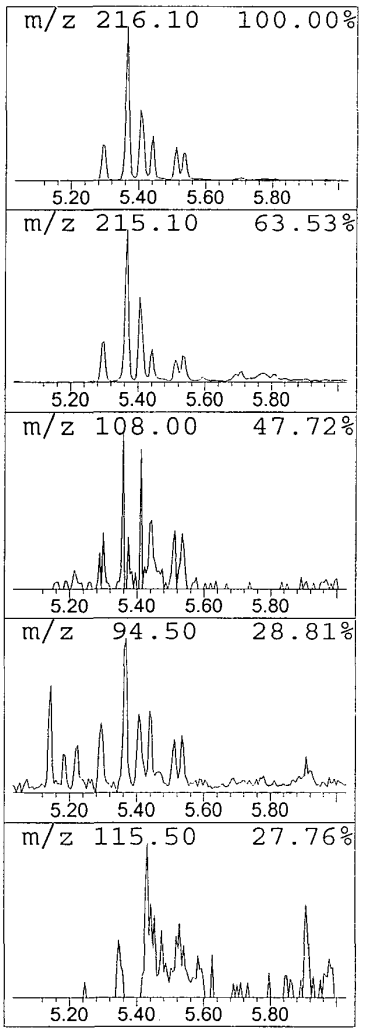
Peak Number 9 Unknown aromatic Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	5.54 UG	35853	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





0302

302640

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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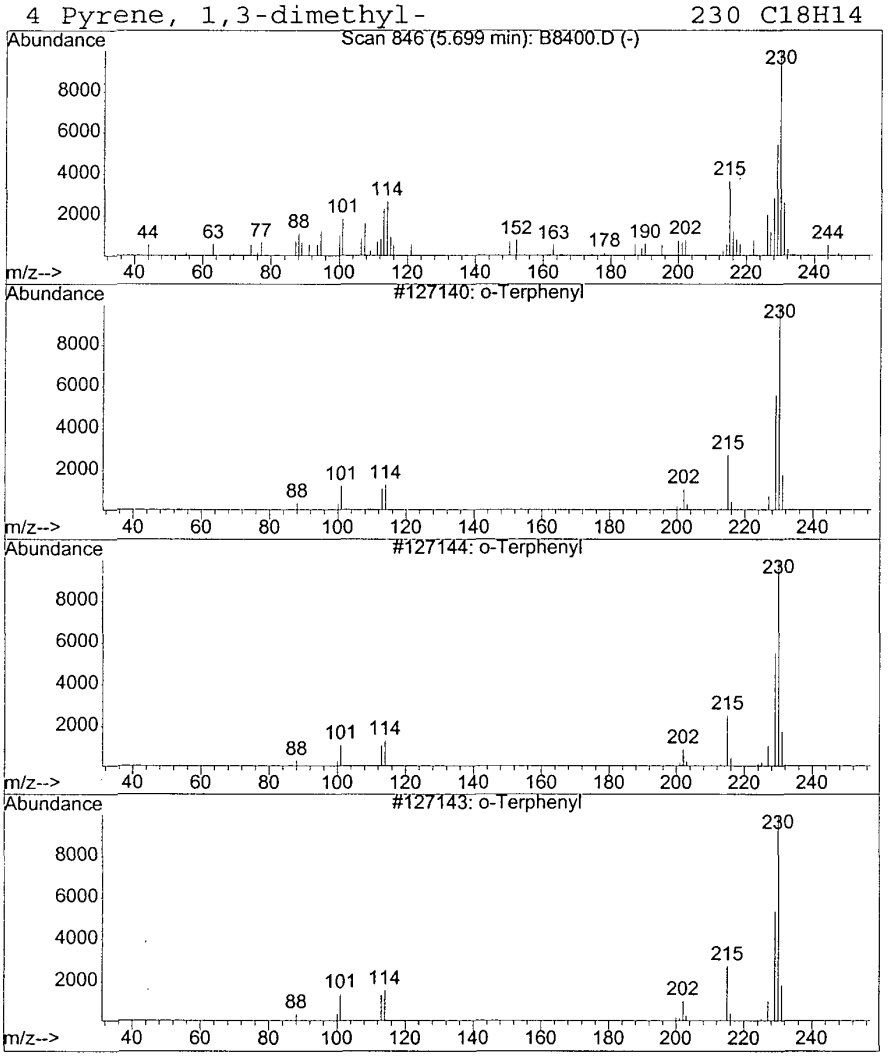
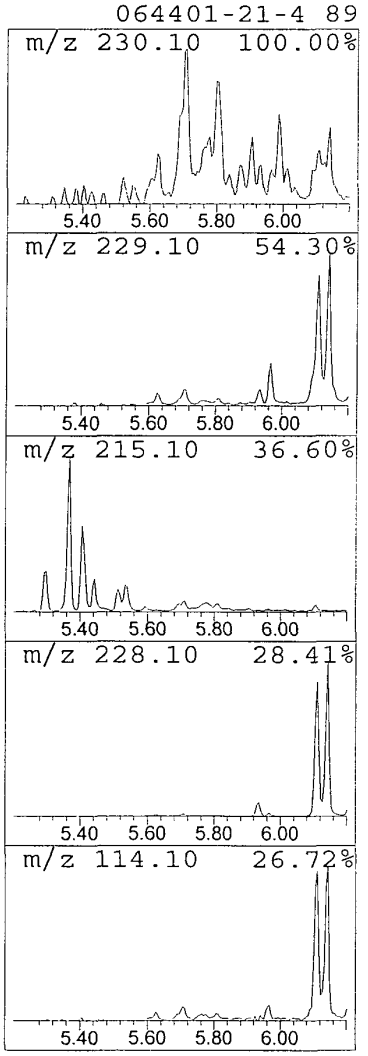
Peak Number 10 Unknown aromatic Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	5.56 UG	35978	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	90
2	o-Terphenyl	230	C18H14	000084-15-1	90
3	o-Terphenyl	230	C18H14	000084-15-1	90
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	89





0303

302641

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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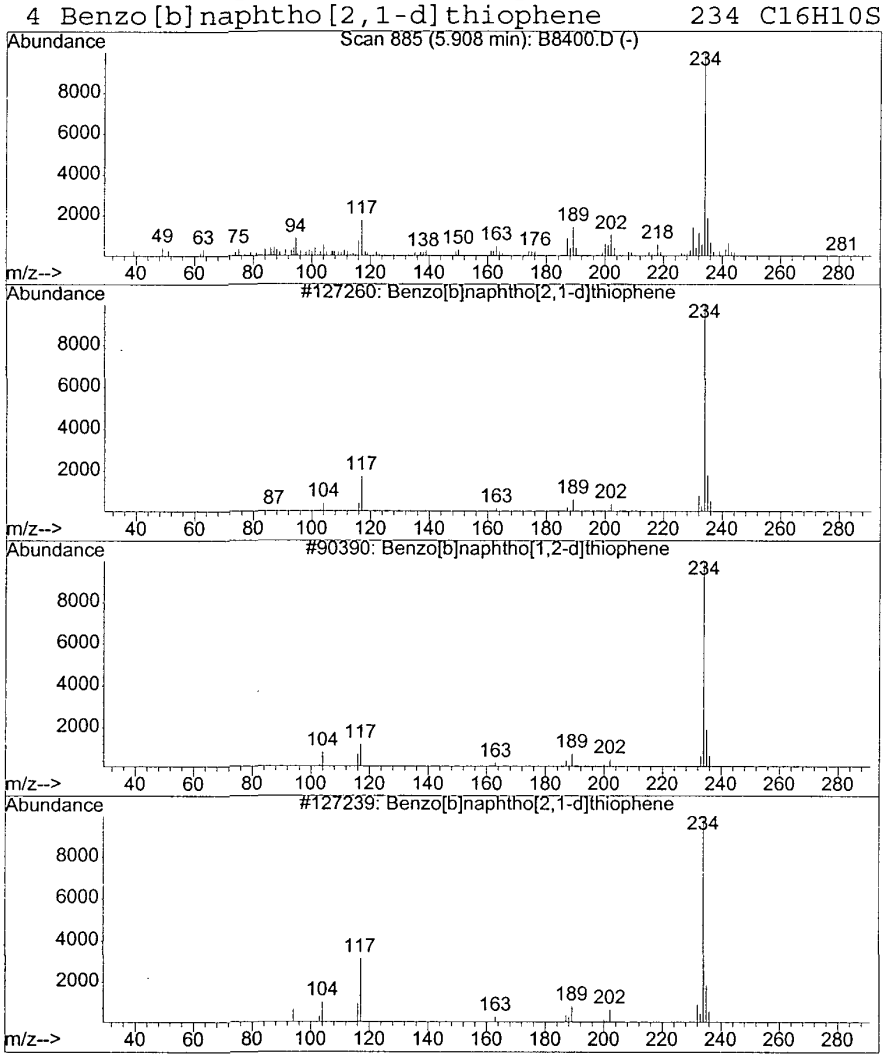
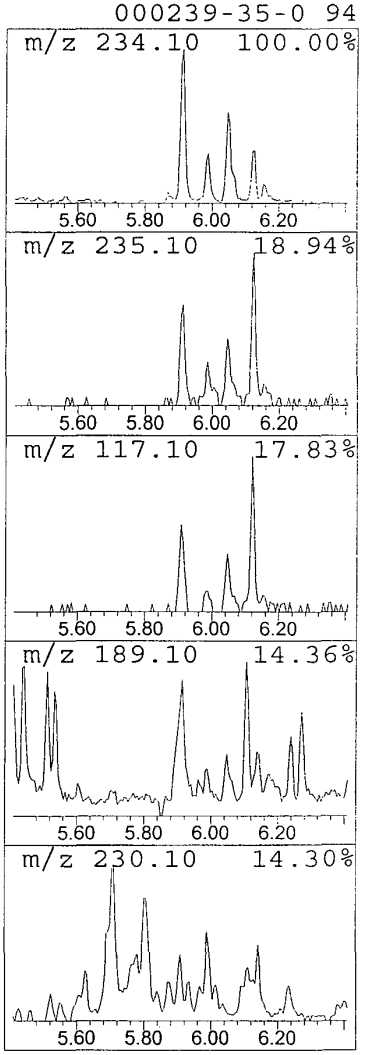
Peak Number 11 Unknown aromatic Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.91	6.28 UG	40640	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94





0304

302642

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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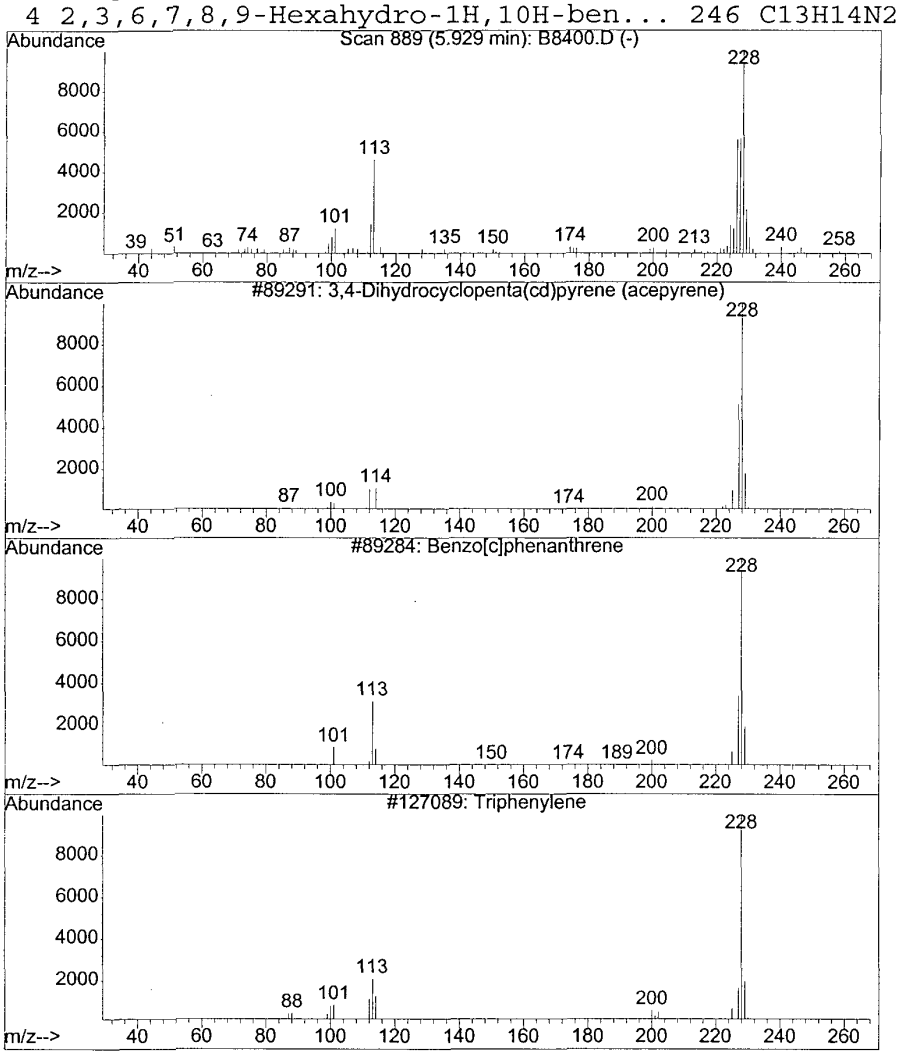
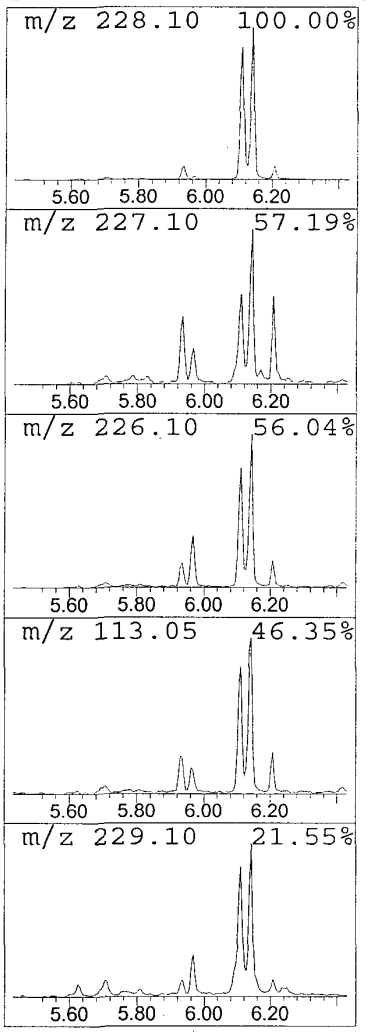
Peak Number 12 Unknown aromatic Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	6.18 UG	40014	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydrocyclopenta(cd)pyrene ...	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
3	Triphenylene	228	C18H12	000217-59-4	52
4	2,3,6,7,8,9-Hexahydro-1H,10H-ben...	246	C13H14N2OS	1000223-08-5	49





0305

302643

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

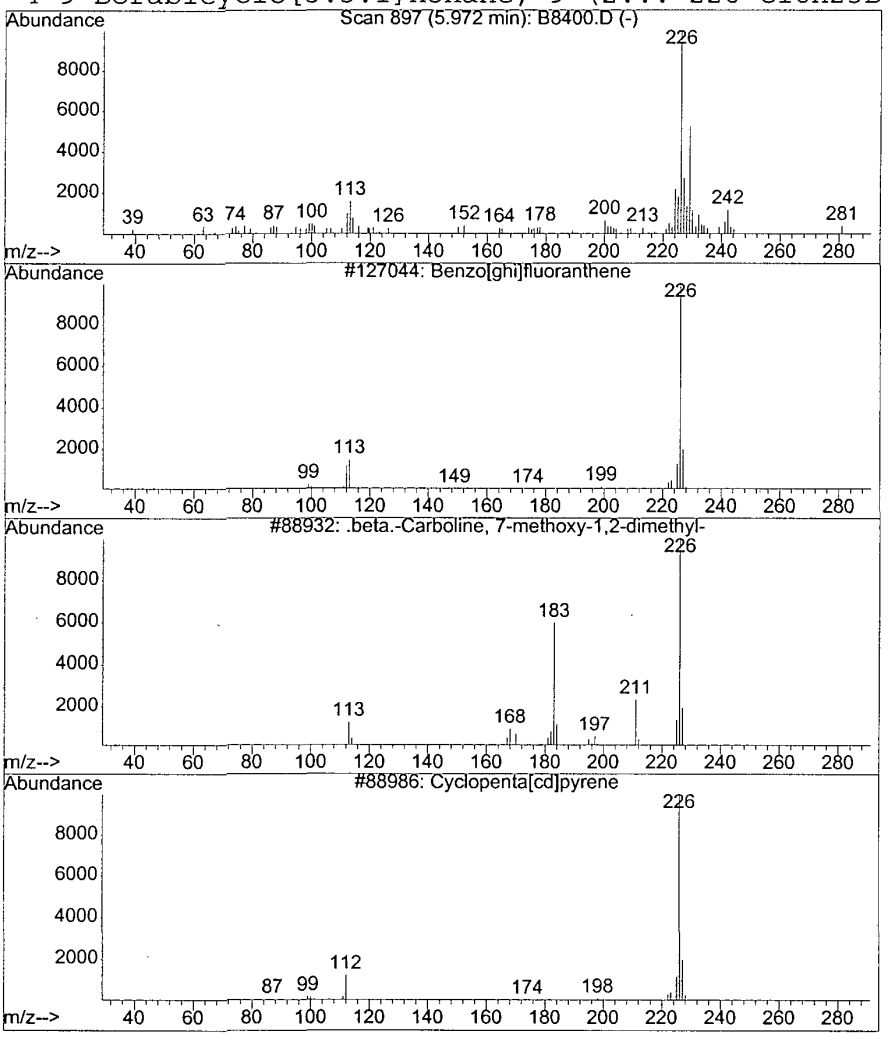
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

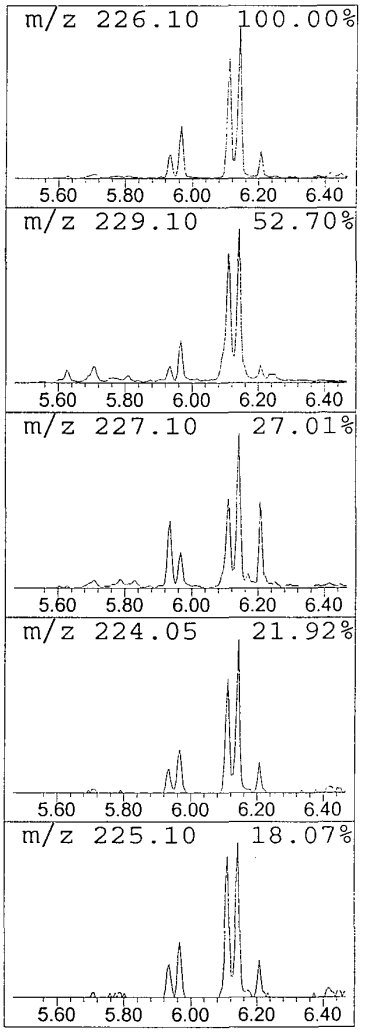
****

Peak Number 13 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	6.94 UG	44887	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	49
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	45
4	9-Borabicyclo[3.3.1]nonane, 9-(2...	226	C16H23B	067753-90-6	43





0306

302644

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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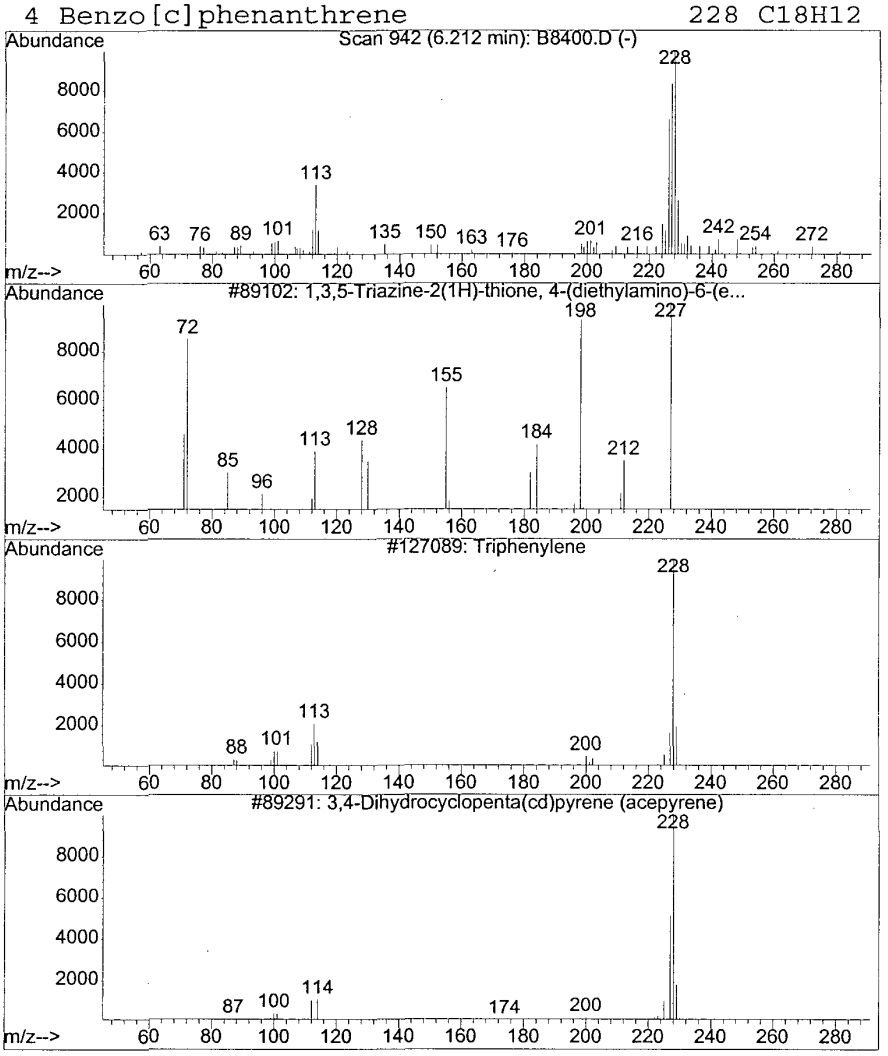
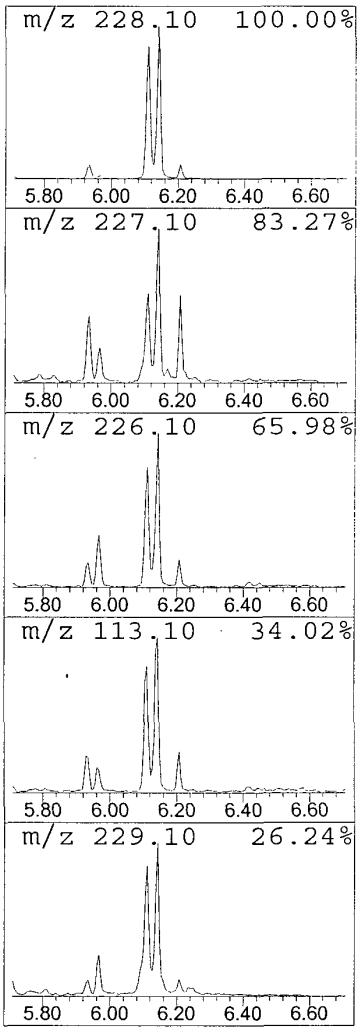
Peak Number 14 Unknown aromatic Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	5.84 UG	37814	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	86
2	Triphenylene	228	C18H12	000217-59-4	55
3	3,4-Dihydrocyclopenta(cd)pyrene ...	228	C18H12	025732-74-5	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





0307

302645

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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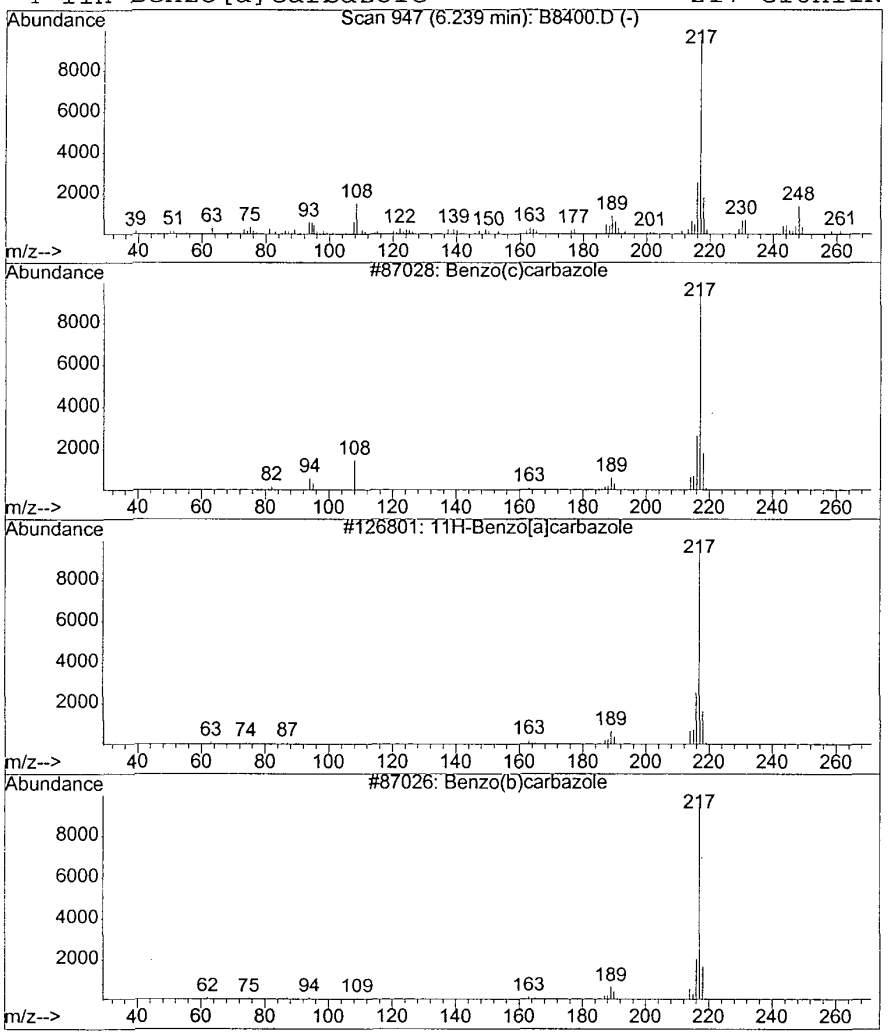
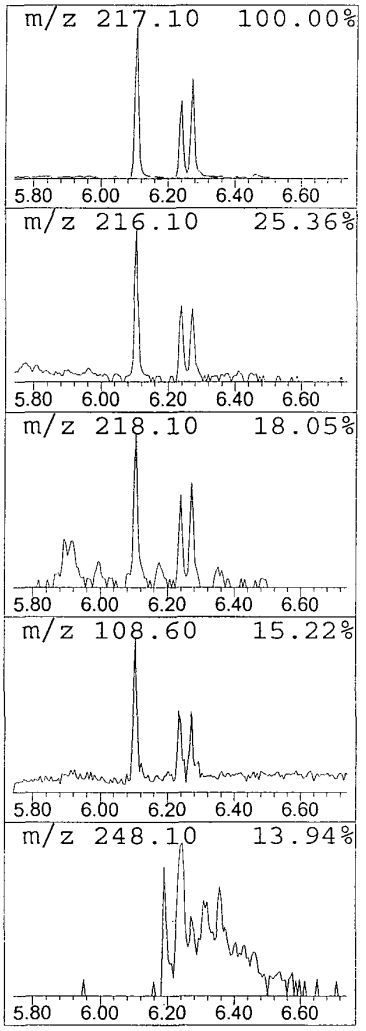
Peak Number 15 Unknown aromatic Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	6.00 UG	38799	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(c)carbazole	217	C16H11N	034777-33-8	90
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	90
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	81
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	81





0308

302646

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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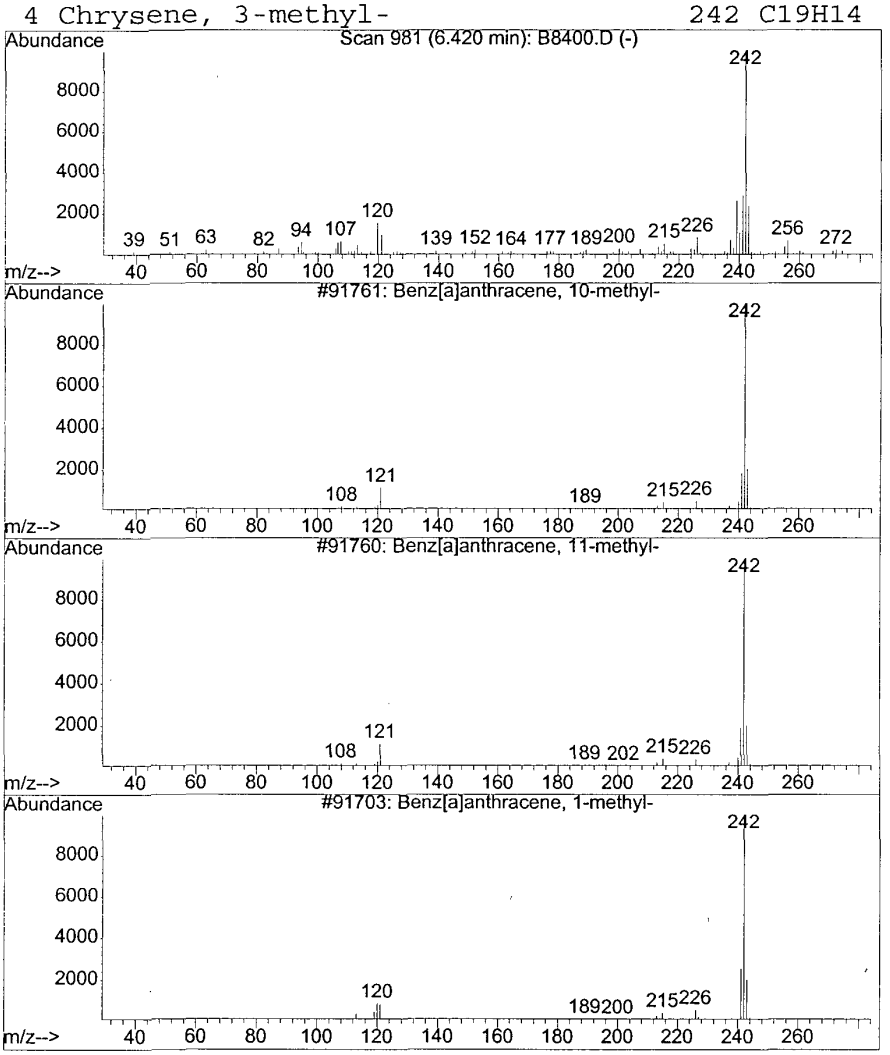
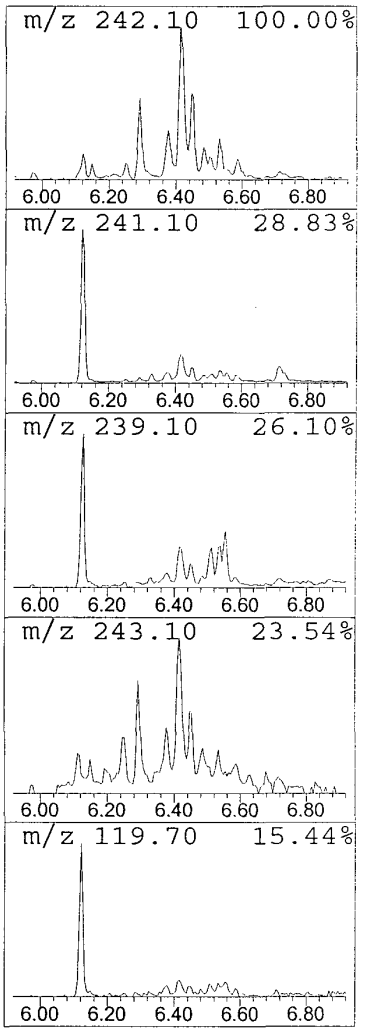
Peak Number 16 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	7.40 UG	47859	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	95
2	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	95
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93





0309

302647

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

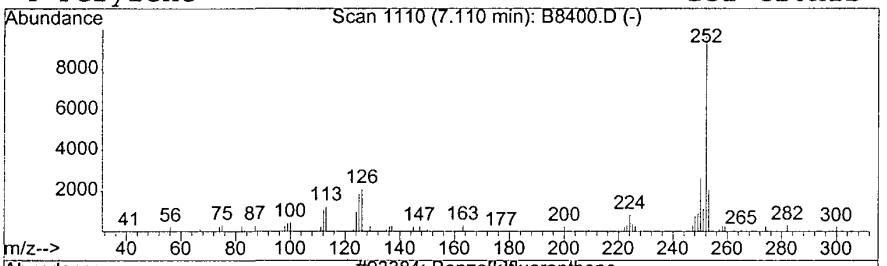
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

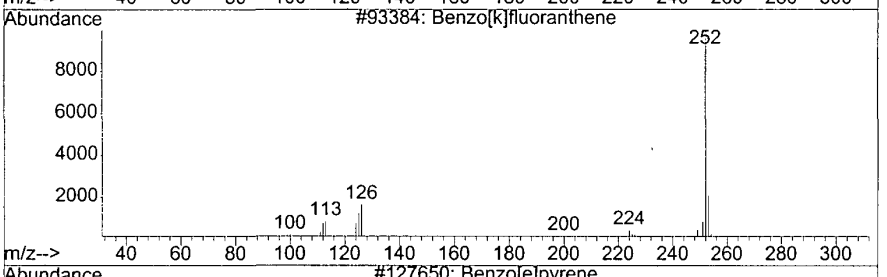
****

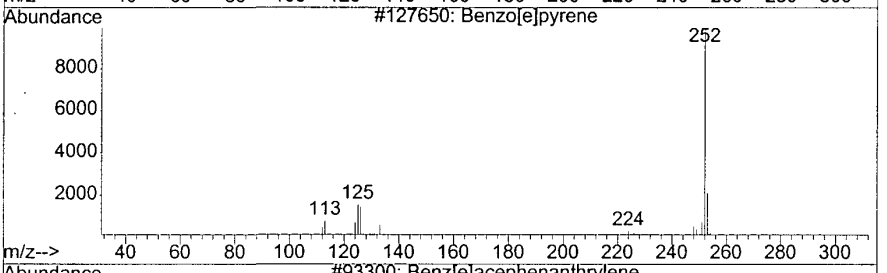
Peak Number 17 Unknown aromatic Concentration Rank 11

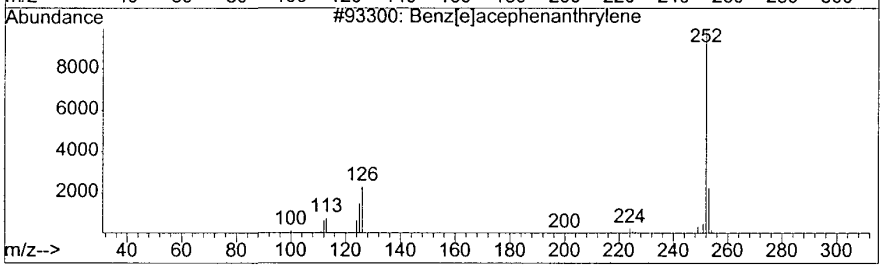
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	6.38 UG	33797	Perylene-d12	7.42

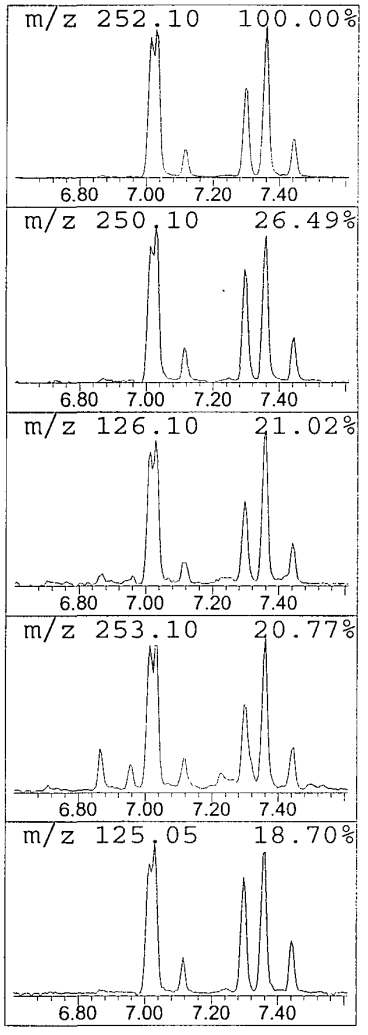
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93











0310

302648

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

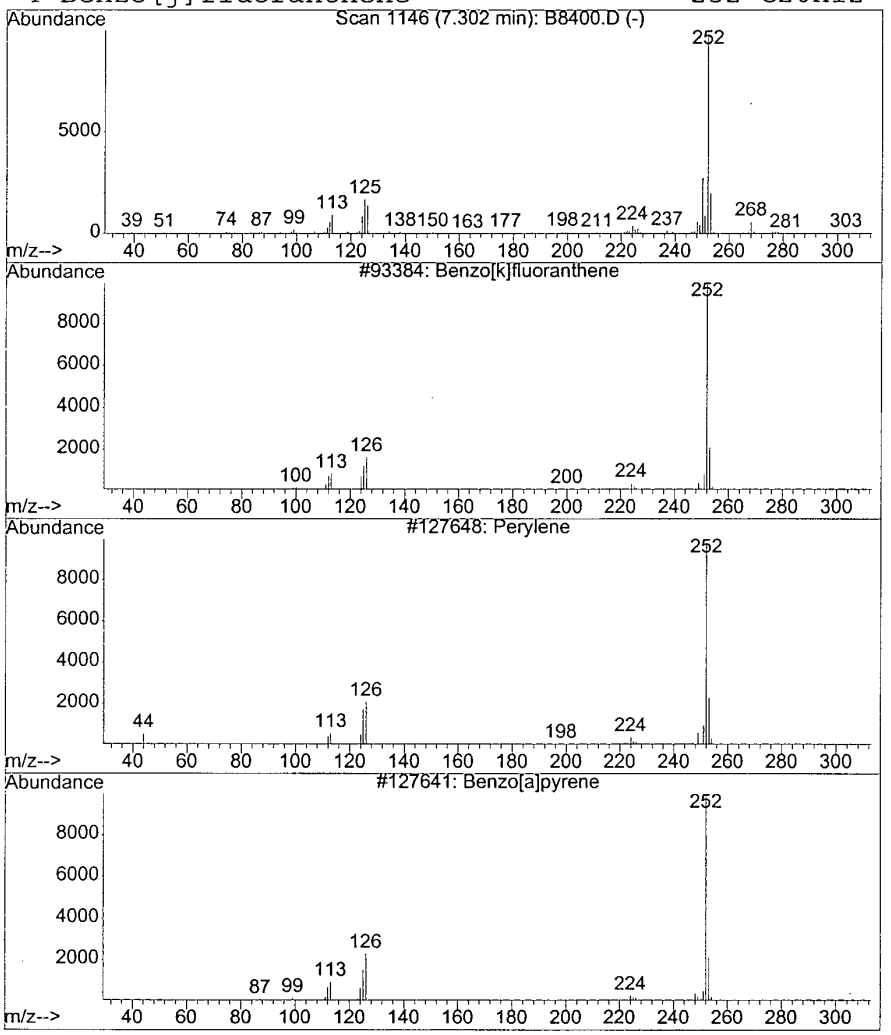
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

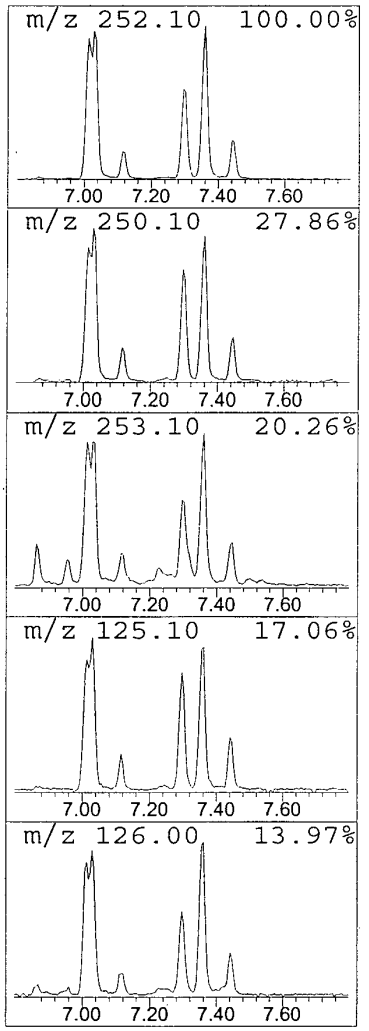
****

Peak Number 18 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	24.50 UG	129851	Perylene-d12	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





0311

302649

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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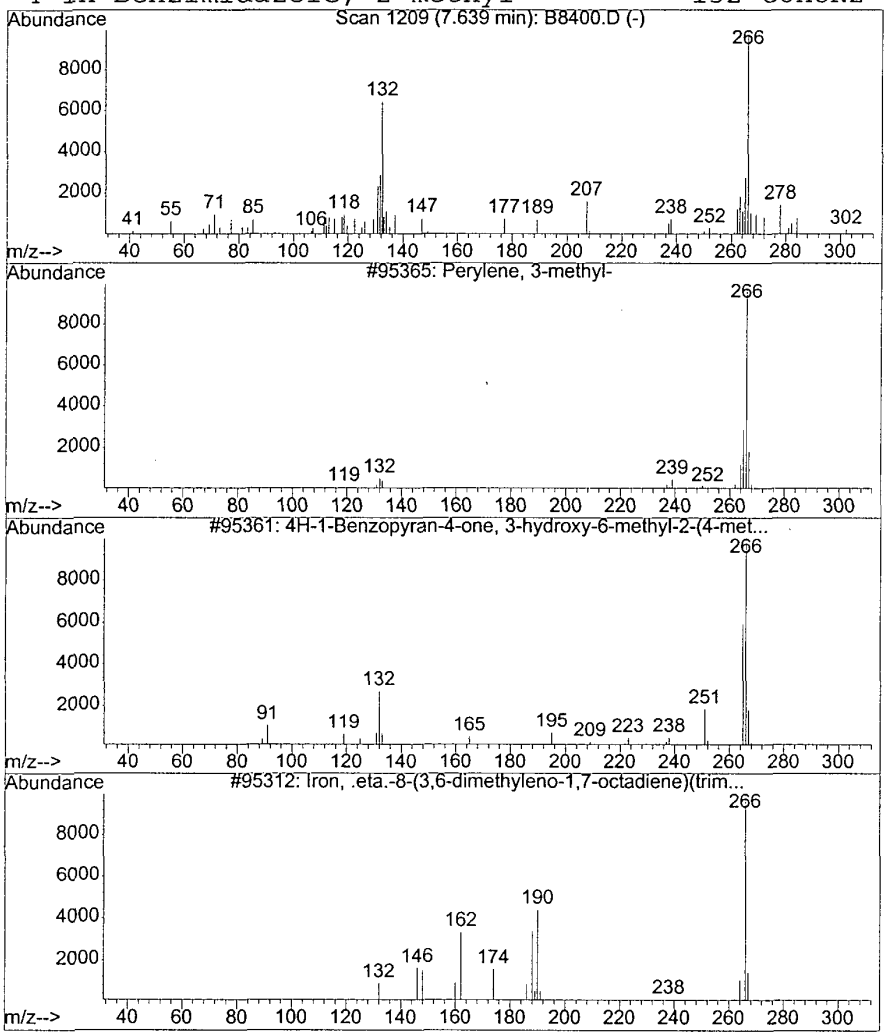
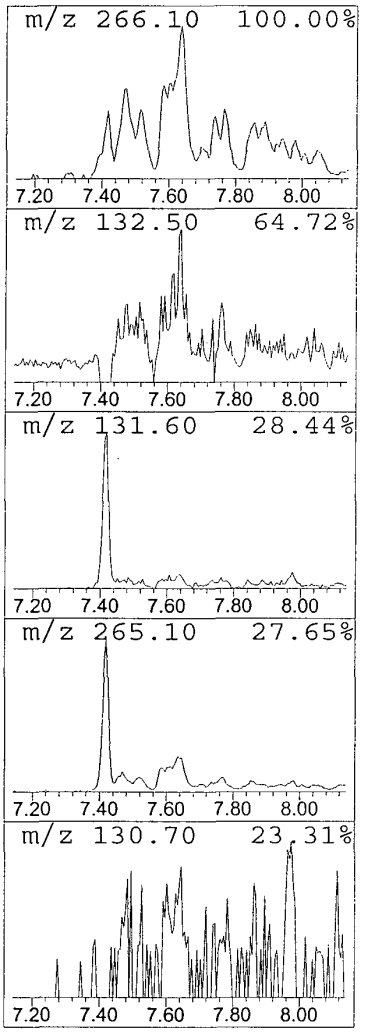
Peak Number 19 Unknown aromatic Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	5.16 UG	27378	Perylene-d12	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	53
2	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	43
3	Iron, .eta.-8-(3,6-dimethyleno-1...	266	C13H23FeP	1000161-93-6	27
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	25





0312

302650

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8400.D Vial: 48
Acq On : 26 Feb 2003 20:31 Operator: JC
Sample : SB-T26-8.5/8,01327-006,S,10.27g,19.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,12 Multiplr: 1.00
MS Integration Params: LSCINT.P

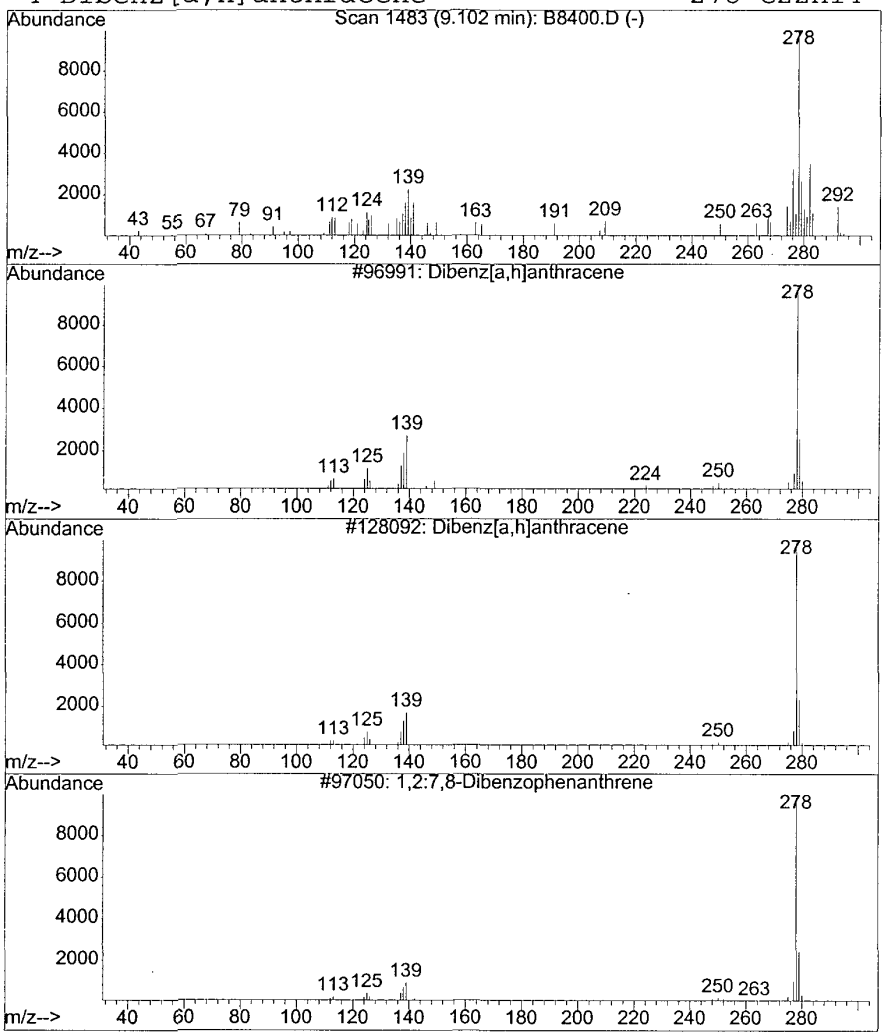
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

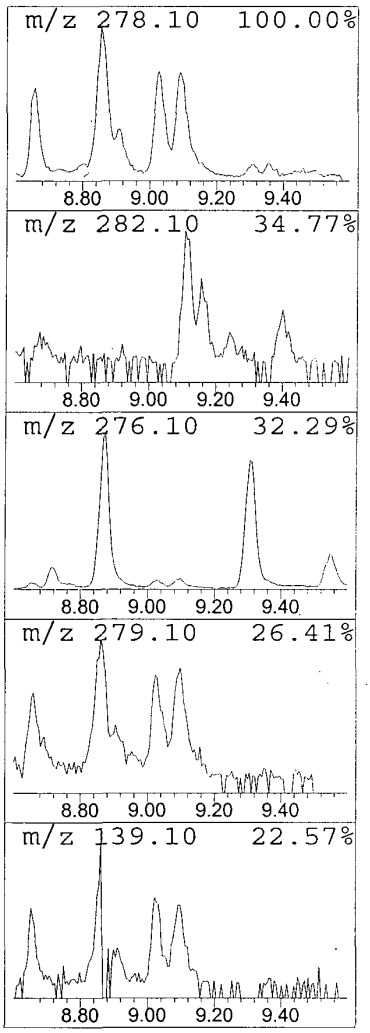
****

Peak Number 20 Unknown aromatic Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	6.10 UG	32335	Perylene-d12	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	83
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	58
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52





0513

302651

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8401.D Vial: 49
Acq On : 26 Feb 2003 20:46 Operator: JC
Sample : SB-T26-30.5/,01327-007,S,10.21g,33.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 20:57:05 2003 Quant Results File: BS0303.RES

Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:27:43 2003
Response via : Initial Calibration
DataAcq Meth : BS0303

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	64228	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	224889	40.00 UG	0.00
43) Acenaphthene-d10	3.69	164	116581	40.00 UG	0.00
66) Phenanthrene-d10	4.34	188	169067	40.00 UG	0.00
82) Chrysene-d12	6.13	240	97022	40.00 UG	-0.01
92) Perylene-d12	7.41	264	85228	40.00 UG	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	104425	58.52 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 58.52%		
6) Phenol-d5	2.21	99	148499	65.44 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 65.44%		
24) Nitrobenzene-d5	2.62	82	74572	38.46 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 76.92%		
47) 2-Fluorobiphenyl	3.38	172	136668	40.89 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 81.78%		
70) 2,4,6-Tribromophenol	4.02	330	33007	74.95 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 74.95%		
84) Terphenyl-d14	5.22	244	116436	54.80 UG	0.00
Spiked Amount 50.000	Range 42 - 134		Recovery = 109.60%		

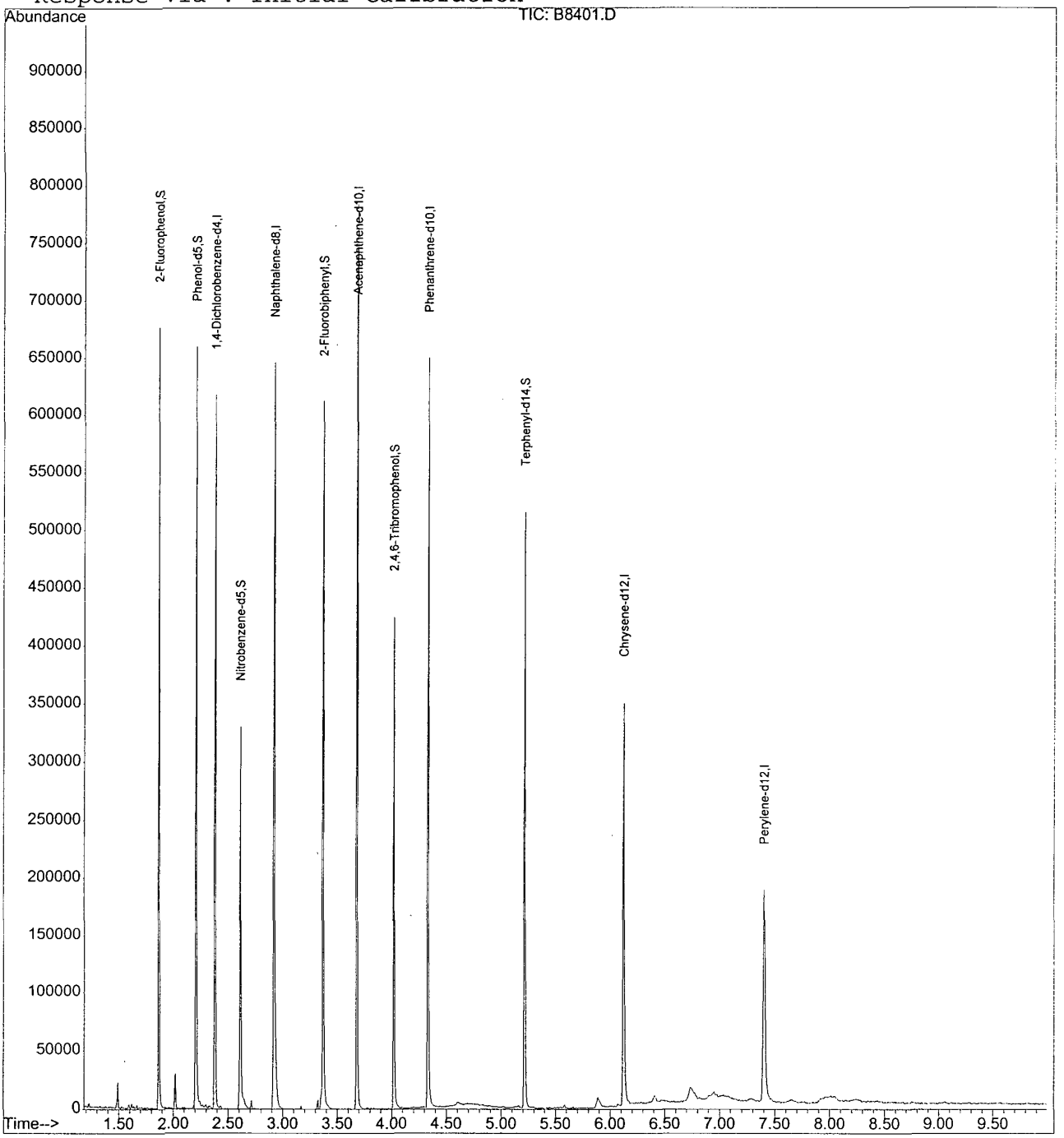
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8401.D Vial: 49
Acq On : 26 Feb 2003 20:46 Operator: JC
Sample : SB-T26-30.5/,01327-007,S,10.21g,33.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 11:11 2003 Quant Results File: BS0303.RES

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:27:43 2003
Response via : Initial Calibration



0315

302653

Library Search Compound Report

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Data File : C:\MSDCHEM\1\DATA\02-26-03\B8401.D          Vial: 49
Acq On    : 26 Feb 2003  20:46                       Operator: JC
Sample    : SB-T26-30.5/,01327-007,S,10.21g,33.4,02/ Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1   Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

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B8401.D BS0303.M Thu Feb 27 11:11:27 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 18:00:36 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	123954	40.00 UG	0.00
23) Naphthalene-d8	2.86	136	452081	40.00 UG	-0.01
43) Acenaphthene-d10	3.61	164	233910	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	364583	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	204636	40.00 UG	-0.03
92) Perylene-d12	7.28	264	182177	40.00 UG	-0.04
System Monitoring Compounds					
4) 2-Fluorophenol	1.82	112	246561	62.57 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 62.57%		
6) Phenol-d5	2.16	99	371066	76.42 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 76.42%		
24) Nitrobenzene-d5	2.56	82	153745	40.75 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 81.50%		
47) 2-Fluorobiphenyl	3.31	172	322064	48.59 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 97.18%		
70) 2,4,6-Tribromophenol	3.96	330	83462	87.74 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 87.74%		
84) Terphenyl-d14	5.13	244	234653	50.83 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 101.66%		

Target Compounds						Qvalue
34) Naphthalene	2.87	128	23636	2.38 UG	#	100
41) 2-Methylnaphthalene	3.16	142	11234	1.68 UG	#	100
53) Acenaphthylene	3.55	152	11679	1.22 UG	#	84
55) Acenaphthene	3.63	153	32146	5.41 UG		99
59) Dibenzofuran	3.69	168	25377	3.09 UG	#	81
61) Fluorene	3.84	166	53747	8.08 UG	#	98
75) Phenanthrene	4.27	178	412112	50.40 UG		99
76) Anthracene	4.29	178	121611m	14.43 UG		
77) Carbazole	4.35	167	22413	3.19 UG		96
79) Fluoranthene	4.93	202	428700	62.36 UG		97
83) Pyrene	5.07	202	322823	48.04 UG	#	92
86) Butylbenzylphthalate	5.44	149	39079	11.74 UG	#	96
88) Benzo[a]anthracene	6.00	228	127968m	26.73 UG		
89) Chrysene	6.04	228	130170	28.38 UG		96
90) bis(2-Ethylhexyl)phthalate	5.97	149	40450	9.25 UG		91
94) Benzo[b]fluoranthene	6.89	252	112702m	20.01 UG		
95) Benzo[k]fluoranthene	6.90	252	84692m	16.54 UG		
96) Benzo[a]pyrene	7.22	252	101884	20.81 UG	#	92
97) Indeno[1,2,3-cd]pyrene	8.68	276	65574	11.32 UG	#	46
98) Dibenz[a,h]anthracene	8.68	278	21709m	4.97 UG		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 18:00:36 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

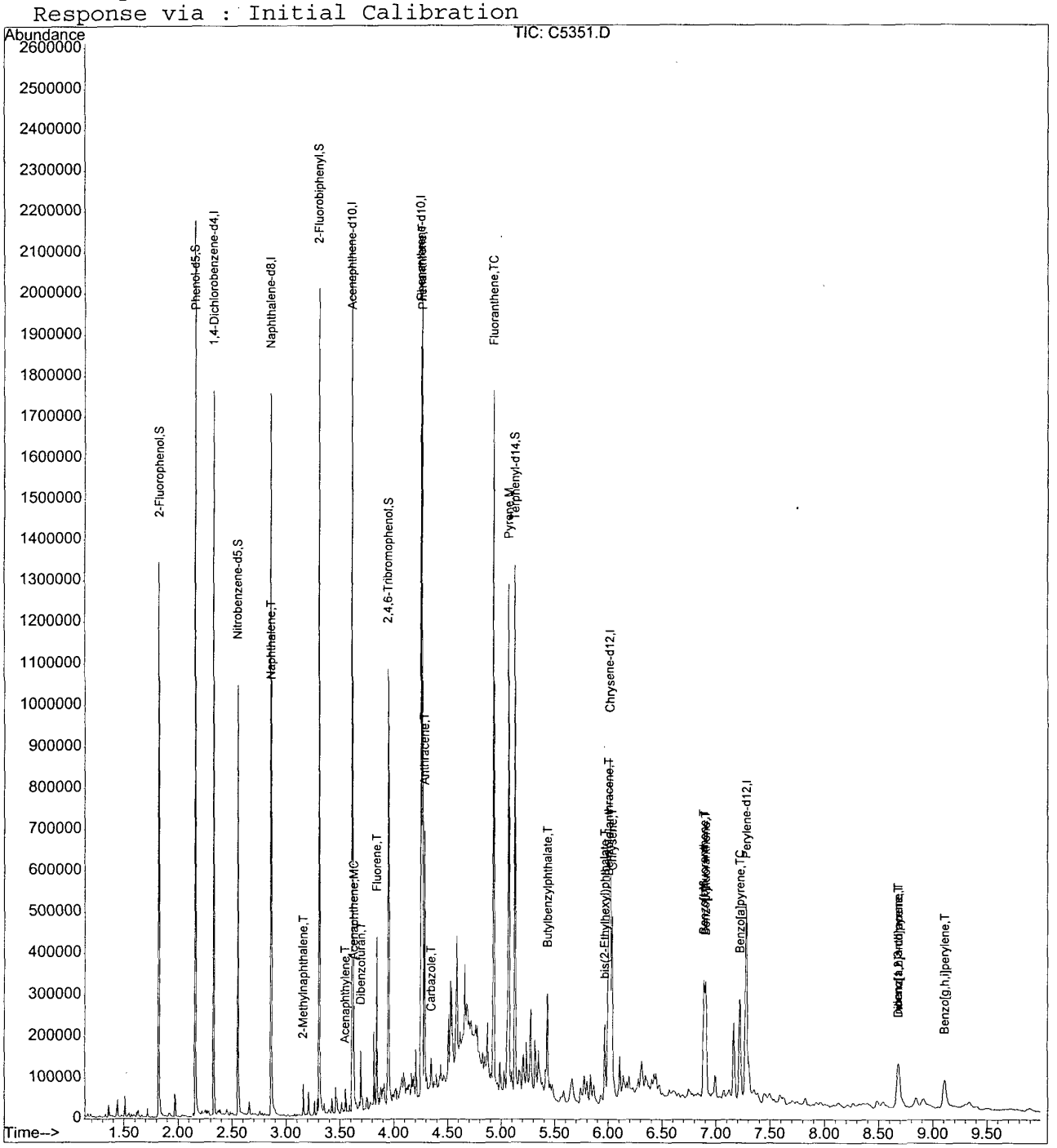
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99) Benzo[g,h,i]perylene	9.11	276	58259	11.77	UG	#	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:06 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0319

302657

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.439	54	58	60	rBV2	42416	26715	2.34%	0.143%
2	1.509	69	71	73	rBV	51391	23330	2.04%	0.125%
3	1.824	127	130	132	rBV	1335086	741706	64.85%	3.968%
4	1.968	155	157	159	rBV	56665	35426	3.10%	0.190%
5	2.160	190	193	195	rBV	2169404	909706	79.54%	4.867%
6	2.331	222	225	227	rBV	1754988	727530	63.61%	3.892%
7	2.556	264	267	269	rBV	1040538	439587	38.44%	2.352%
8	2.657	282	286	291	rVB3	34478	28619	2.50%	0.153%
9	2.860	322	324	328	rBV	1748921	948081	82.90%	5.072%
10	3.159	378	380	382	rBV	77012	33981	2.97%	0.182%
11	3.207	386	389	394	rVB	58515	32764	2.86%	0.175%
12	3.261	394	399	402	rBV	37295	20838	1.82%	0.111%
13	3.309	405	408	410	rBV	1991965	878737	76.83%	4.701%
14	3.421	428	429	432	rBV	38012	22168	1.94%	0.119%
15	3.459	434	436	444	rVB	64895	57026	4.99%	0.305%
16	3.512	444	446	449	rBV	28687	21848	1.91%	0.117%
17	3.549	452	453	455	rVB	56940	28206	2.47%	0.151%
18	3.614	463	465	470	rBV2	2113669	1143696	100.00%	6.119%
19	3.694	478	480	484	rVB	146640	82632	7.22%	0.442%
20	3.747	488	490	493	rVB2	30427	27680	2.42%	0.148%
21	3.817	501	503	505	rVB	177663	69195	6.05%	0.370%
22	3.843	505	508	511	rVB	405856	184414	16.12%	0.987%
23	3.881	511	515	517	rBV2	45604	47542	4.16%	0.254%
24	3.913	519	521	524	rVB2	55608	38091	3.33%	0.204%
25	3.950	526	528	531	rVB2	1018512	638129	55.80%	3.414%
26	4.019	538	541	542	rVB3	30303	24941	2.18%	0.133%
27	4.078	546	552	553	rBV4	55538	72297	6.32%	0.387%
28	4.094	553	555	558	rVB4	53871	43713	3.82%	0.234%
29	4.142	561	564	566	rVB4	29055	29575	2.59%	0.158%
30	4.164	566	568	569	rBV	55395	25590	2.24%	0.137%
31	4.206	574	576	579	rVB	117751	61145	5.35%	0.327%

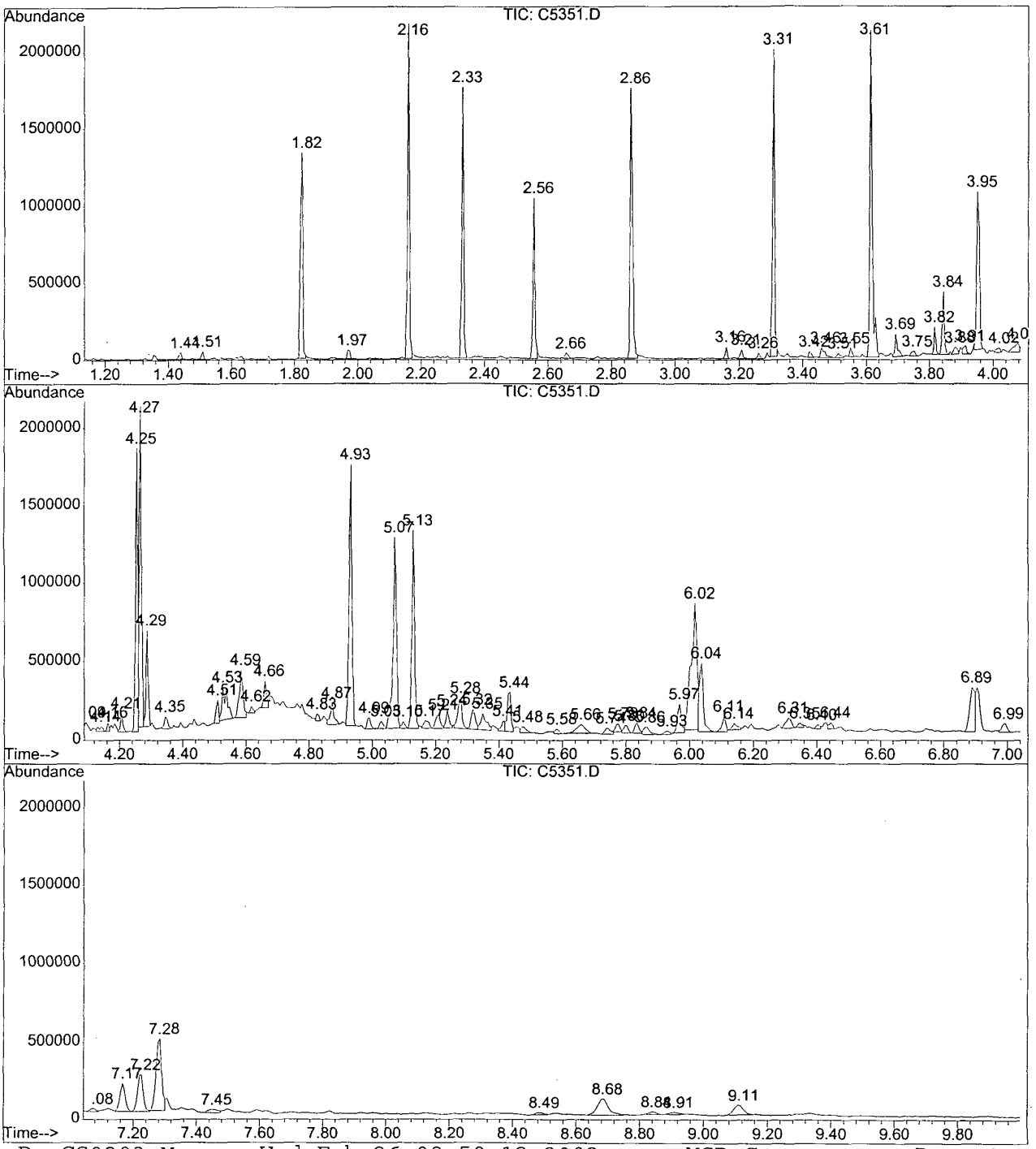
32	4.255	582	585	586	rBV	1817749	956788	83.66%	5.119%
33	4.265	586	587	589	rVV	2055262	903839	79.03%	4.836%
34	4.287	589	591	593	rVB	608616	285516	24.96%	1.528%
35	4.345	600	602	606	rVB	74412	55740	4.87%	0.298%
36	4.511	630	633	634	rBV	147012	87485	7.65%	0.468%
37	4.527	634	636	642	rVB2	210130	235164	20.56%	1.258%
38	4.586	643	647	650	rBV2	303862	265045	23.17%	1.418%
39	4.618	651	653	655	rBV	43835	28439	2.49%	0.152%
40	4.661	659	661	663	rBV	171295	100976	8.83%	0.540%
41	4.826	691	692	694	rVB	43776	25230	2.21%	0.135%
42	4.874	698	701	705	rVB3	134662	106778	9.34%	0.571%
43	4.933	709	712	715	rVB	1673592	1032131	90.25%	5.522%
44	4.992	720	723	728	rBV3	69000	56403	4.93%	0.302%
45	5.029	728	730	733	rBV2	48919	40810	3.57%	0.218%
46	5.072	733	738	741	rBV	1216227	917985	80.26%	4.911%
47	5.099	741	743	746	rVB2	45161	31087	2.72%	0.166%
48	5.131	746	749	752	rBV	1265977	750663	65.63%	4.016%
49	5.168	754	756	760	rVB4	48761	56801	4.97%	0.304%
50	5.211	760	764	767	rBV3	85572	96625	8.45%	0.517%
51	5.238	767	769	772	rVV	111236	77939	6.81%	0.417%
52	5.280	773	777	781	rVV	195323	185977	16.26%	0.995%
53	5.318	781	784	787	rVV2	126121	119851	10.48%	0.641%
54	5.350	787	790	795	rVV3	105822	129320	11.31%	0.692%
55	5.414	799	802	803	rVV	66232	54339	4.75%	0.291%
56	5.435	803	806	808	rVV	250261	204683	17.90%	1.095%
57	5.478	812	814	820	rVB4	40171	44186	3.86%	0.236%
58	5.585	832	834	837	rVB2	28771	23517	2.06%	0.126%
59	5.660	840	848	856	rBV3	57364	112626	9.85%	0.603%
60	5.740	860	863	867	rBV2	37654	52137	4.56%	0.279%
61	5.777	867	870	872	rVV	52949	48915	4.28%	0.262%
62	5.798	872	874	878	rVB	48770	46898	4.10%	0.251%
63	5.836	878	881	884	rBV	65379	62596	5.47%	0.335%
64	5.863	884	886	894	rVB2	46452	60663	5.30%	0.325%
65	5.932	895	899	901	rBV2	21661	25992	2.27%	0.139%
66	5.969	902	906	909	rBV	182494	162695	14.23%	0.870%
67	6.018	909	915	917	rVV2	805164	1052612	92.04%	5.632%
68	6.039	917	919	927	rVB	435193	345367	30.20%	1.848%
69	6.108	927	932	934	rBV	98625	81761	7.15%	0.437%
70	6.140	934	938	942	rBV3	39720	46083	4.03%	0.247%
71	6.311	966	970	974	rBV3	65871	83348	7.29%	0.446%
72	6.349	974	977	979	rBV2	27743	28124	2.46%	0.150%
73	6.402	985	987	989	rBV2	26240	22486	1.97%	0.120%
74	6.445	993	995	998	rVB	39775	28690	2.51%	0.153%
75	6.888	1073	1078	1080	rBV	281406	348915	30.51%	1.867%
76	6.990	1094	1097	1103	rVB	53372	61907	5.41%	0.331%
77	7.075	1109	1113	1116	rBV2	20787	26374	2.31%	0.141%
78	7.166	1126	1130	1135	rVB	183289	210786	18.43%	1.128%
79	7.225	1135	1141	1146	rBV	239914	303182	26.51%	1.622%
80	7.284	1146	1152	1155	rBV	462036	590338	51.62%	3.158%
81	7.449	1178	1183	1188	rBV7	21664	47825	4.18%	0.256%

82	8.486	1372	1377	1382	rBV2	15925	29965	2.62%	0.160%
83	8.683	1405	1414	1433	rVB2	107969	276656	24.19%	1.480%
84	8.838	1440	1443	1450	rVB3	17599	28675	2.51%	0.153%
85	8.908	1450	1456	1462	rBV4	15300	33629	2.94%	0.180%
86	9.111	1487	1494	1502	rBV2	62728	133781	11.70%	0.716%

Sum of corrected areas: 18691251

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D
Operator : CH
Acquired : 25 Feb 2003 17:50 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1
Vial Number: 10
Quant File :CS0203.RES (RTE Integrator)



0323

302661

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

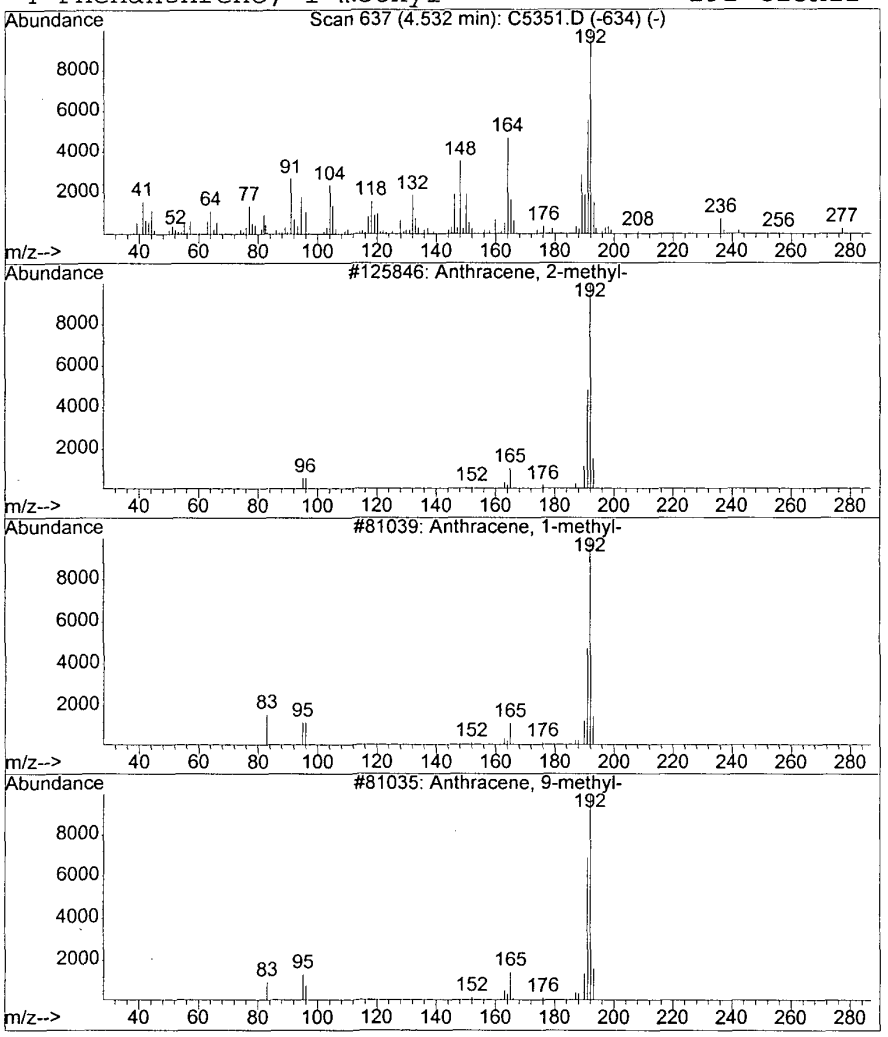
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

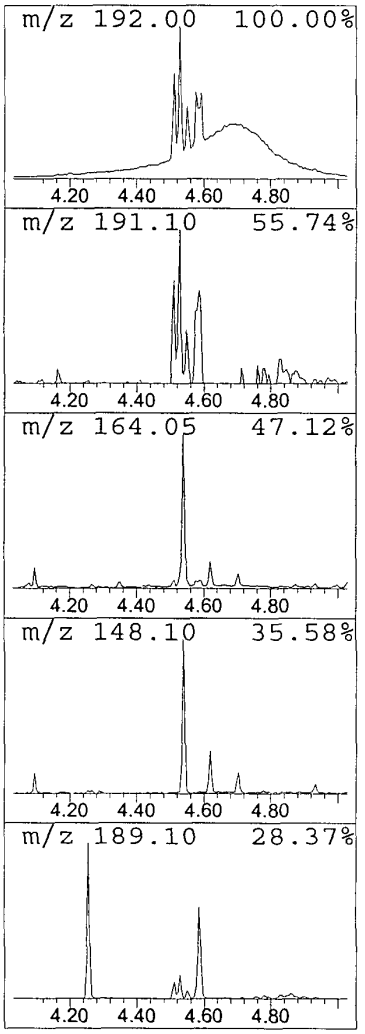
****

Peak Number 1 Unknown aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	6.92 UG	165592	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





0324

302662

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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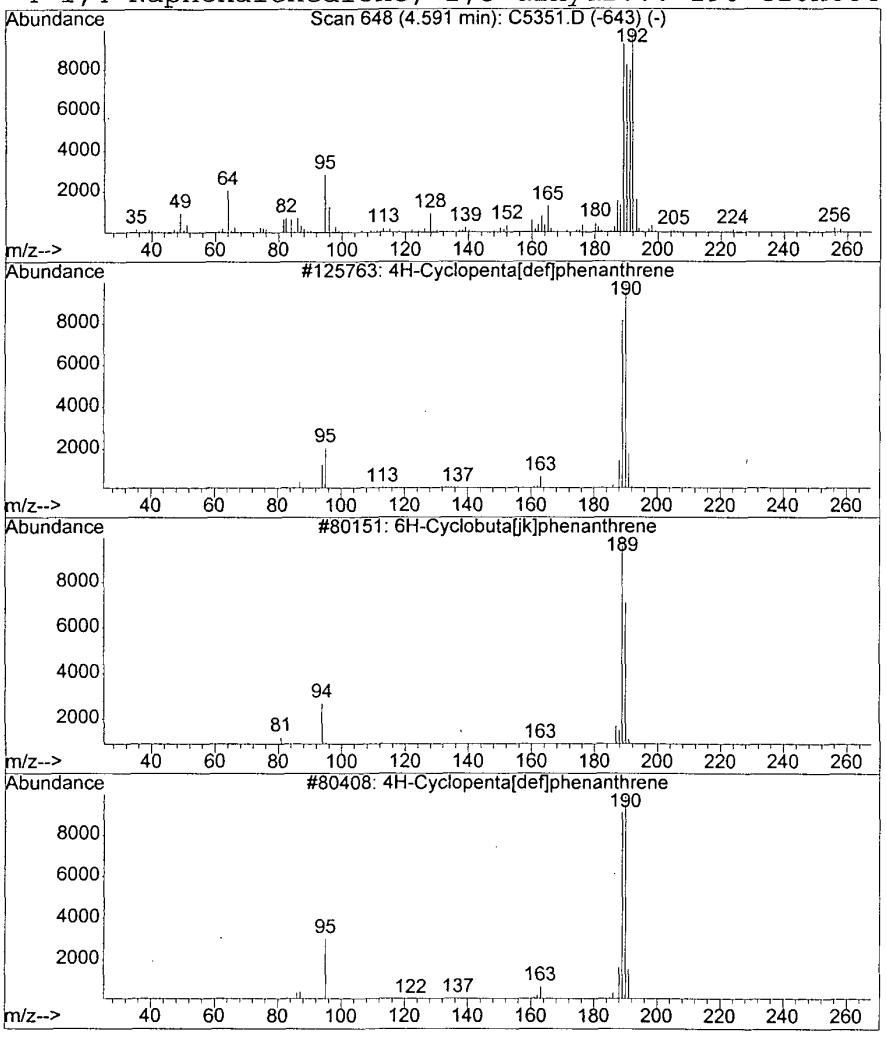
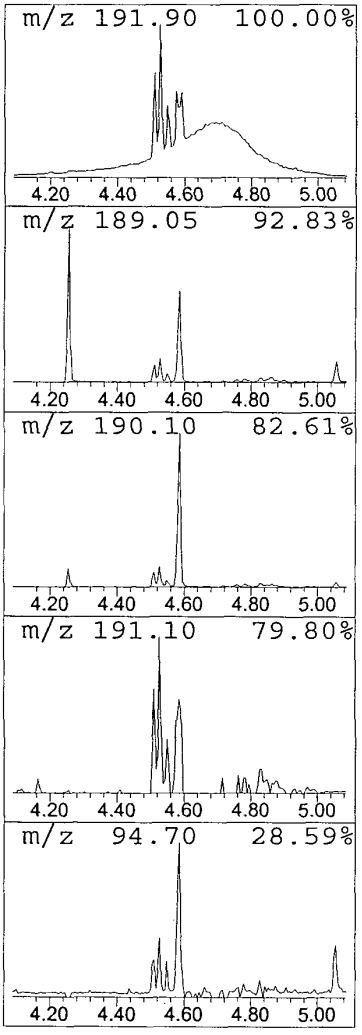
Peak Number 2 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	7.23 UG	172856	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	27
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23





0325

302663

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

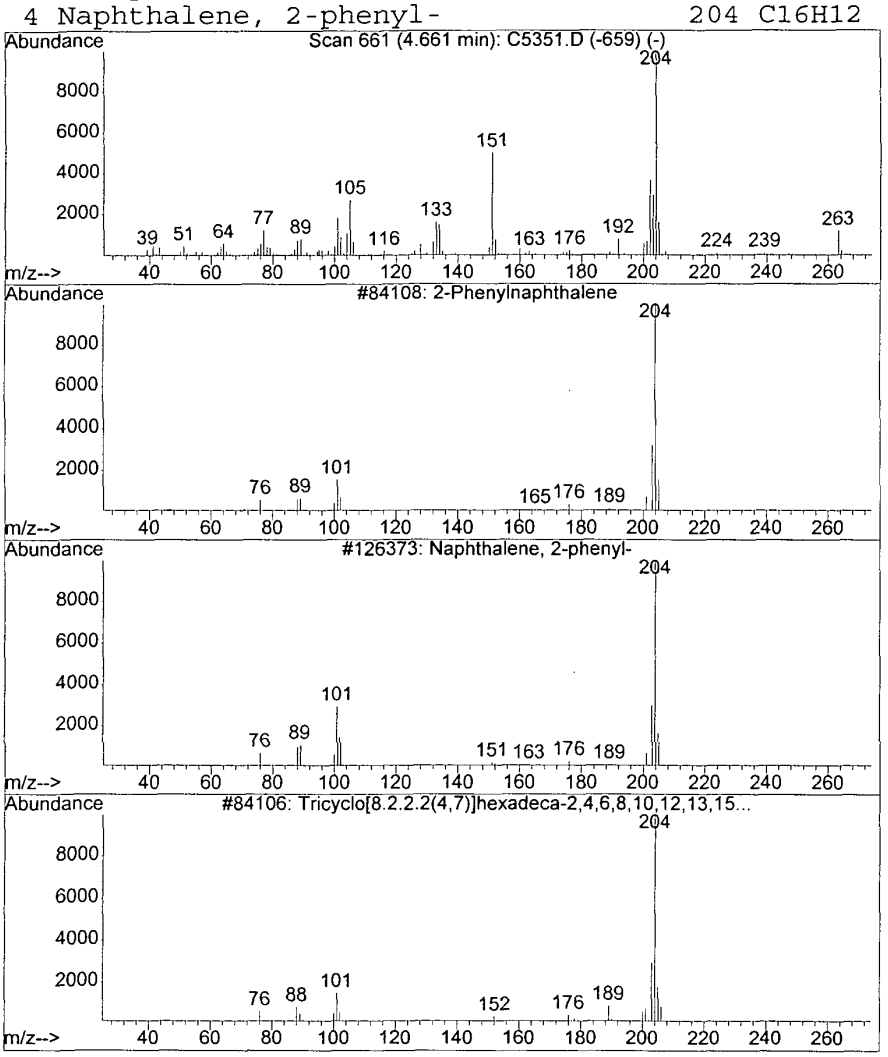
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

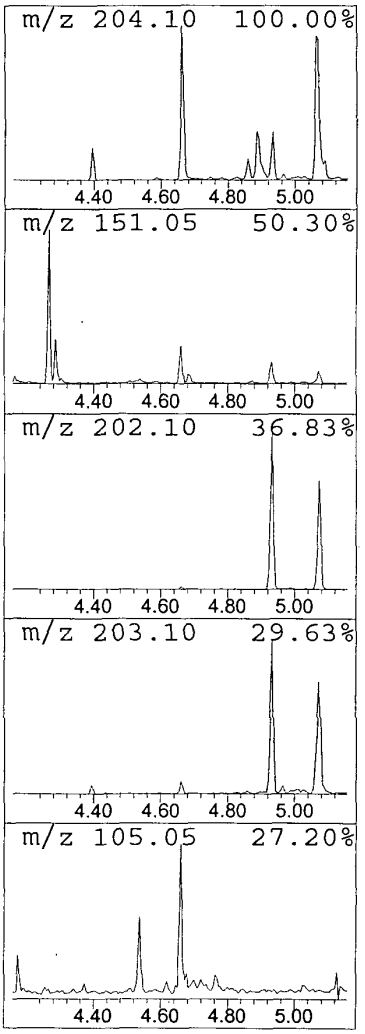
****

Peak Number 3 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	4.22 UG	100976	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	66
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





302664

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

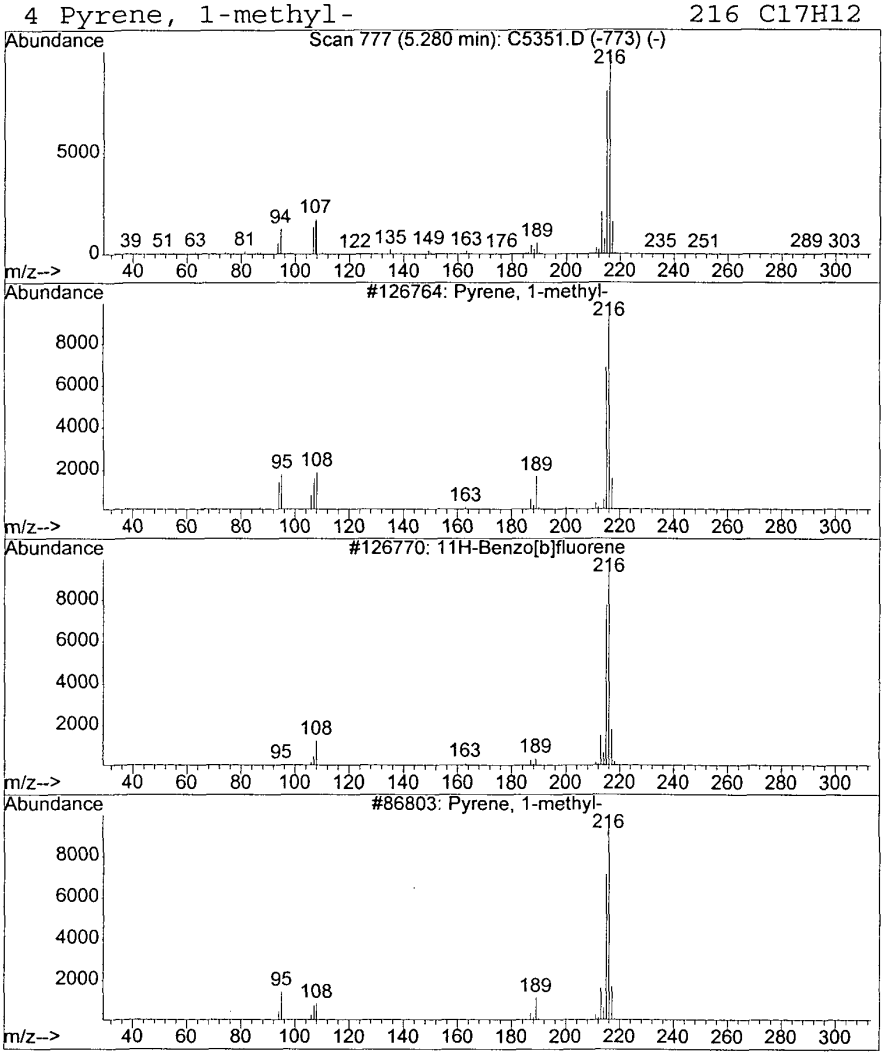
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

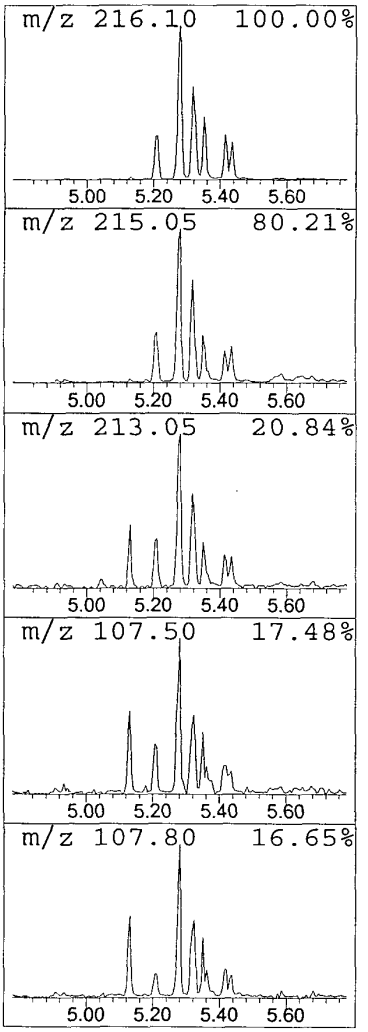
****

Peak Number 4 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	7.07 UG	185977	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





0327

302665

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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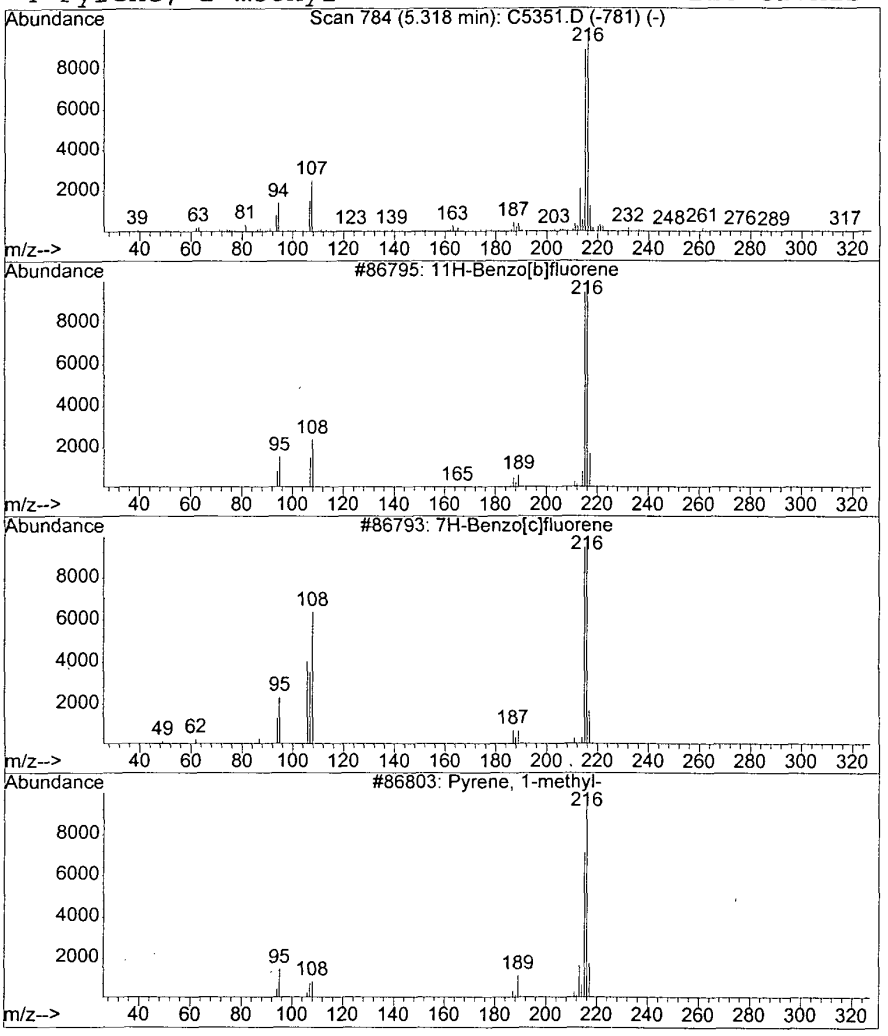
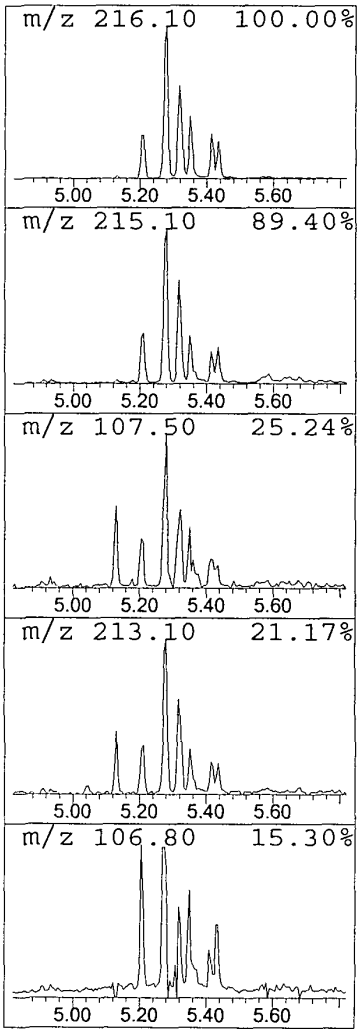
Peak Number 5 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.07 UG	106982	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	70
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





302666

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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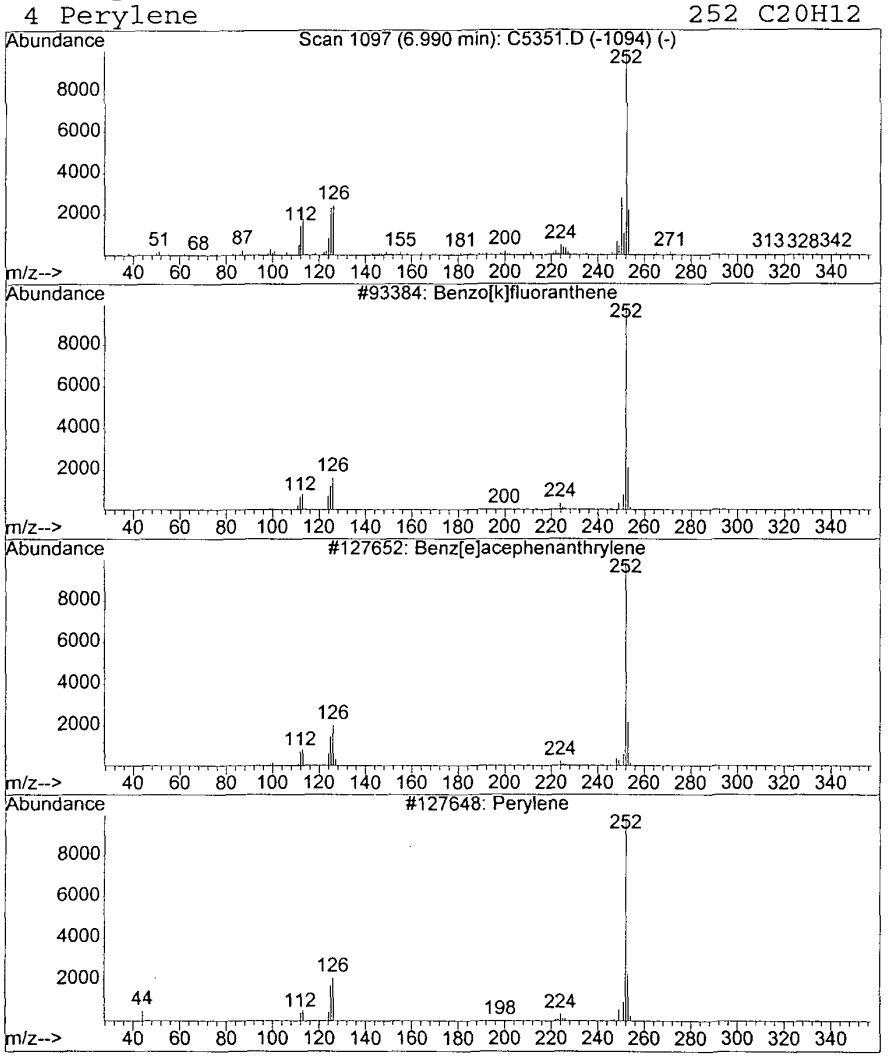
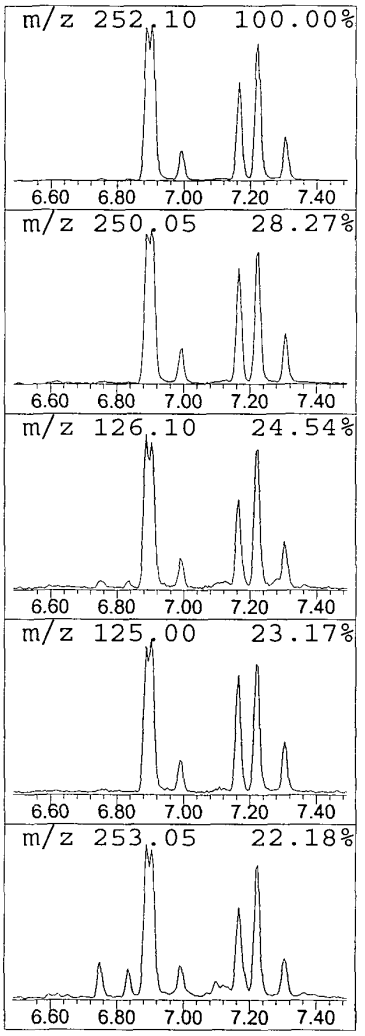
Peak Number 6 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	4.19 UG	61907	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Perylene	252	C20H12	000198-55-0	91
4	Perylene	252	C20H12	000198-55-0	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5351.D Vial: 10
Acq On : 25 Feb 2003 17:50 Operator: CH
Sample : SB-X11-0/0-0,01327-008,S,10.64g,10.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: Lscint.p

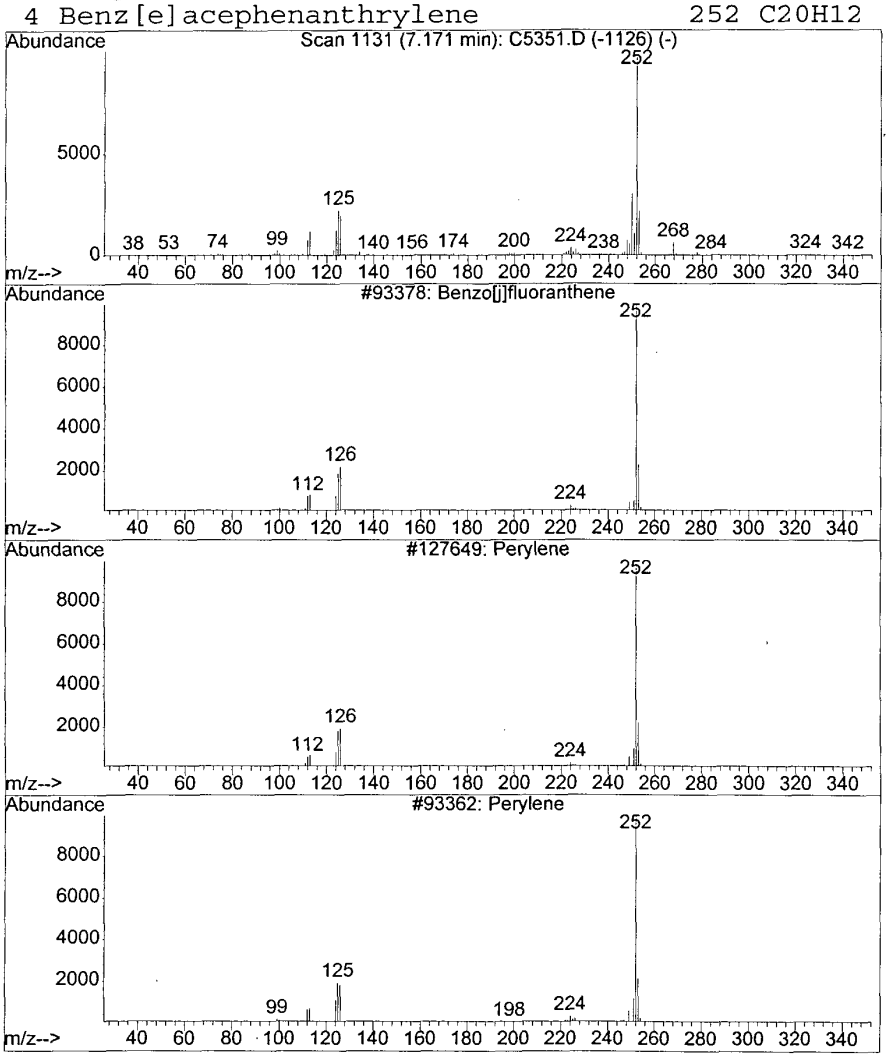
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

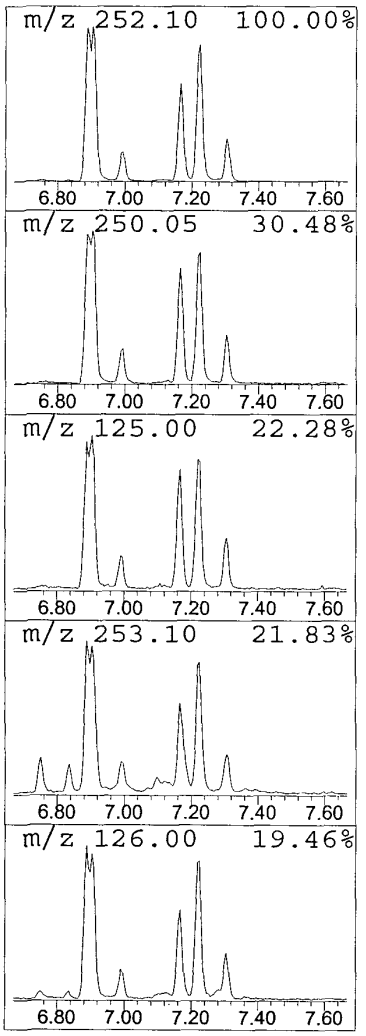
****

Peak Number 7 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	14.28 UG	210786	Perylene-d12	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
2	Perylene	252	C20H12	000198-55-0	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 18:15:51 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	110362	40.00 UG	0.00
23) Naphthalene-d8	2.86	136	440486	40.00 UG	-0.01
43) Acenaphthene-d10	3.61	164	234546	40.00 UG	-0.02
66) Phenanthrene-d10	4.25	188	350245	40.00 UG	-0.02
82) Chrysene-d12	6.02	240	222967	40.00 UG	-0.03
92) Perylene-d12	7.29	264	201078	40.00 UG	-0.03

System Monitoring Compounds					
4) 2-Fluorophenol	1.82	112	43214	12.32 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 12.32%#		
6) Phenol-d5	2.16	99	59916	13.86 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 13.86%#		
24) Nitrobenzene-d5	2.56	82	27427	7.46 UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 14.92%#		
47) 2-Fluorobiphenyl	3.31	172	59750	8.99 UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 17.98%#		
70) 2,4,6-Tribromophenol	3.96	330	13785	15.09 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 15.09%#		
84) Terphenyl-d14	5.13	244	46098	9.16 UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 18.32%#		

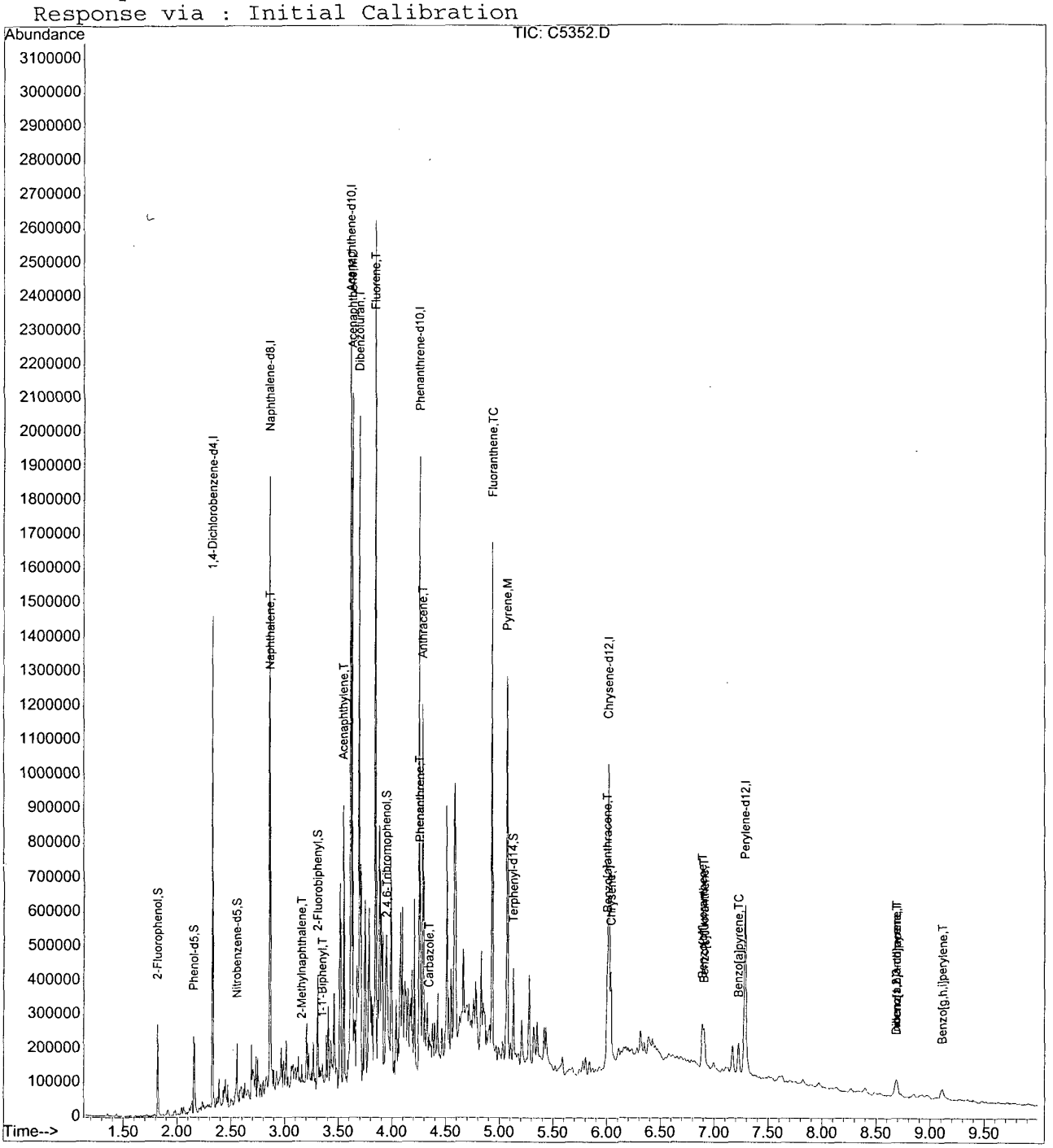
Target Compounds						Qvalue
34) Naphthalene	2.87	128	23642	2.44 UG	#	100
41) 2-Methylnaphthalene	3.16	142	5574	0.86 UG	#	100
48) 1-1'-Biphenyl	3.35	154	8550	1.12 UG		99
53) Acenaphthylene	3.55	152	28715	2.99 UG	#	79
55) Acenaphthene	3.63	153	211447	35.47 UG		95
59) Dibenzofuran	3.69	168	237515	28.83 UG	#	81
61) Fluorene	3.84	166	369844	55.43 UG	#	99
75) Phenanthrene	4.27	178	52948	6.74 UG	#	83
76) Anthracene	4.29	178	253705	31.34 UG	#	72
77) Carbazole	4.35	167	9707	1.44 UG	#	91
79) Fluoranthene	4.93	202	353095	53.47 UG		98
83) Pyrene	5.08	202	335857	45.87 UG		95
88) Benzo[a]anthracene	6.00	228	84179	16.14 UG	#	86
89) Chrysene	6.04	228	81927	16.39 UG	#	89
94) Benzo[b]fluoranthene	6.89	252	45258m	7.28 UG		
95) Benzo[k]fluoranthene	6.91	252	40249m	7.12 UG		
96) Benzo[a]pyrene	7.22	252	39488	7.31 UG	#	93
97) Indeno[1,2,3-cd]pyrene	8.69	276	29759m	4.65 UG		
98) Dibenz[a,h]anthracene	8.68	278	9544m	1.98 UG		
99) Benzo[g,h,i]perylene	9.11	276	25676	4.70 UG	#	59

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:08 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0332

302670

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.819	127	129	132	rBV	268291	139570	10.89%	0.577%
2	2.155	190	192	199	rBV	228959	181686	14.18%	0.751%
3	2.331	222	225	227	rBV	1436660	666487	52.01%	2.754%
4	2.390	235	236	240	rVB2	81204	36290	2.83%	0.150%
5	2.449	242	247	250	rVV5	75366	85450	6.67%	0.353%
6	2.556	260	267	271	rBV	183943	148534	11.59%	0.614%
7	2.599	271	275	277	rBV4	47562	64608	5.04%	0.267%
8	2.689	290	292	293	rBV2	162984	73299	5.72%	0.303%
9	2.705	293	295	298	rVB3	57295	53035	4.14%	0.219%
10	2.732	298	300	302	rVB	122029	56648	4.42%	0.234%
11	2.748	302	303	307	rVB3	118211	76876	6.00%	0.318%
12	2.802	311	313	315	rBV	50225	37957	2.96%	0.157%
13	2.828	315	318	322	rBV3	56151	83326	6.50%	0.344%
14	2.860	322	324	328	rBV	1769860	1026670	80.12%	4.242%
15	2.924	334	336	339	rBV2	58542	56129	4.38%	0.232%
16	2.967	339	344	347	rVV4	123727	115800	9.04%	0.478%
17	2.989	347	348	350	rVV2	81272	50034	3.90%	0.207%
18	3.015	350	353	355	rVB3	137234	87671	6.84%	0.362%
19	3.063	359	362	363	rBV2	67311	49418	3.86%	0.204%
20	3.079	363	365	366	rVV2	57840	38923	3.04%	0.161%
21	3.101	366	369	370	rVV2	47184	40966	3.20%	0.169%
22	3.127	370	374	375	rVB3	76039	52722	4.11%	0.218%
23	3.208	386	389	390	rBV2	175097	112537	8.78%	0.465%
24	3.224	390	392	396	rVV3	87218	60906	4.75%	0.252%
25	3.266	398	400	403	rVB2	117017	57292	4.47%	0.237%
26	3.309	405	408	410	rBV	334404	209985	16.39%	0.868%
27	3.352	414	416	419	rVB	59321	38238	2.98%	0.158%
28	3.389	420	423	424	rBV2	139104	63961	4.99%	0.264%
29	3.405	424	426	428	rVB	222570	124893	9.75%	0.516%
30	3.432	428	431	433	rBV4	125293	95290	7.44%	0.394%
31	3.459	435	436	439	rVV2	245335	152452	11.90%	0.630%

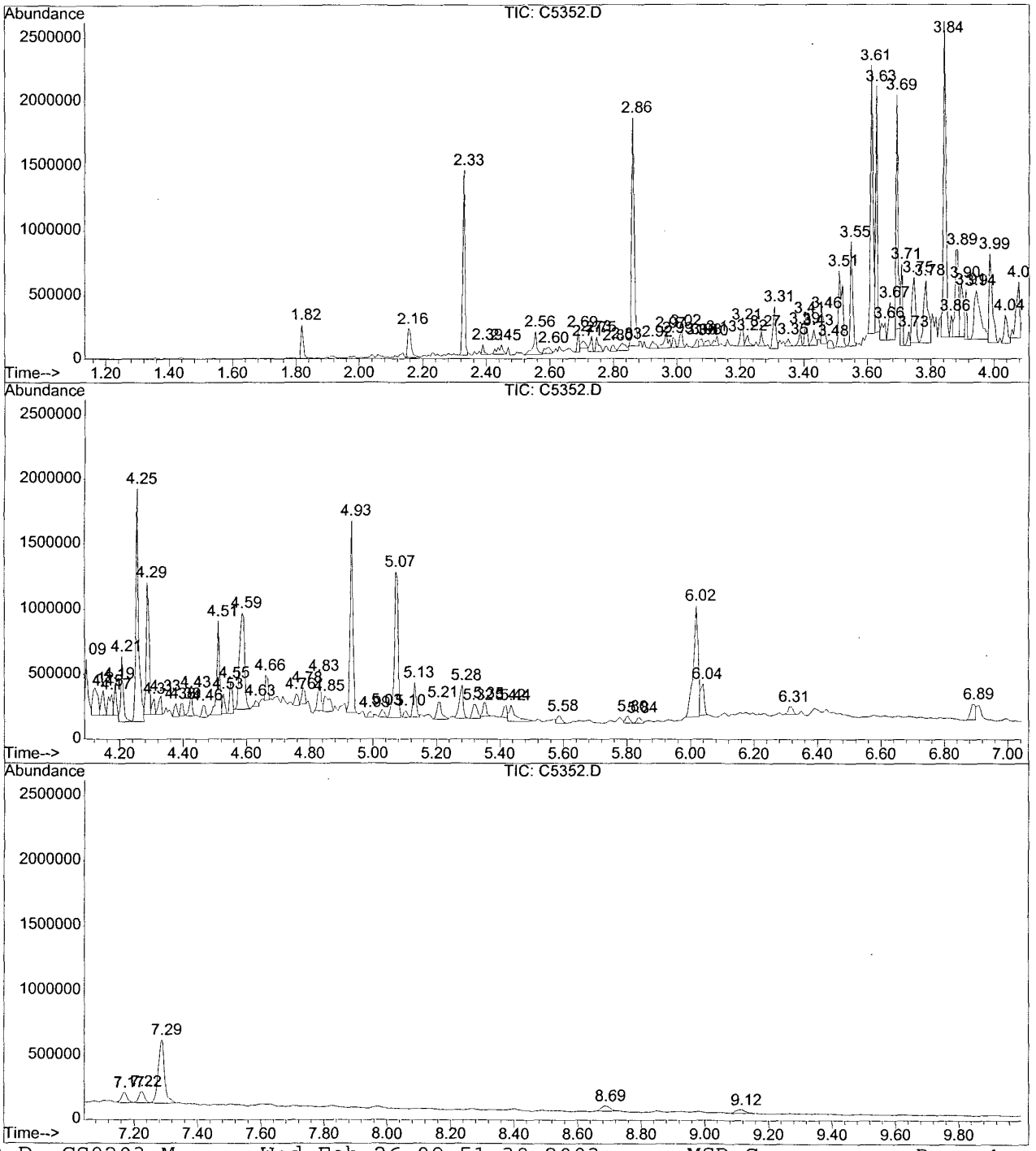
32	3.480	439	440	443	rVB3	64165	58255	4.55%	0.241%
33	3.512	444	446	450	rBV2	590978	497387	38.82%	2.055%
34	3.549	451	453	456	rBV	809443	414265	32.33%	1.712%
35	3.614	463	465	467	rBV	2082595	1177887	91.92%	4.867%
36	3.630	467	468	470	rVV	1907196	664653	51.87%	2.746%
37	3.656	470	473	474	rVB3	137083	118550	9.25%	0.490%
38	3.672	474	476	479	rBV3	296828	342078	26.70%	1.413%
39	3.694	479	480	482	rVV	1812849	802779	62.65%	3.317%
40	3.710	482	483	485	rVB	638307	208085	16.24%	0.860%
41	3.731	485	487	488	rBV	114089	57766	4.51%	0.239%
42	3.747	488	490	493	rVB	510338	402108	31.38%	1.661%
43	3.785	493	497	500	rBV	486850	501144	39.11%	2.071%
44	3.843	506	508	511	rVB	2453120	1281421	100.00%	5.295%
45	3.865	511	512	513	rBV	173638	93098	7.27%	0.385%
46	3.886	513	516	517	rVV	679719	527771	41.19%	2.181%
47	3.897	517	518	520	rVV	423911	312644	24.40%	1.292%
48	3.913	520	521	522	rVB	391014	125320	9.78%	0.518%
49	3.945	522	527	534	rBV4	382569	547653	42.74%	2.263%
50	3.988	534	535	540	rVB2	693626	485834	37.91%	2.007%
51	4.036	542	544	547	rBV2	223367	173820	13.56%	0.718%
52	4.078	547	552	553	rBV	436838	357321	27.88%	1.476%
53	4.094	553	555	558	rVV	432826	271645	21.20%	1.122%
54	4.121	558	560	563	rVV3	213909	244188	19.06%	1.009%
55	4.148	563	565	567	rVV2	193189	132377	10.33%	0.547%
56	4.175	567	570	571	rVV3	162484	154406	12.05%	0.638%
57	4.185	571	572	574	rVB2	245049	108264	8.45%	0.447%
58	4.207	574	576	582	rVB	504008	278302	21.72%	1.150%
59	4.255	582	585	589	rBV2	1792998	1078700	84.18%	4.457%
60	4.287	589	591	593	rVV	1013349	622774	48.60%	2.573%
61	4.308	593	595	596	rVV	121928	71360	5.57%	0.295%
62	4.329	596	599	600	rVB2	142224	93135	7.27%	0.385%
63	4.378	606	608	610	rBV	103375	70509	5.50%	0.291%
64	4.394	610	611	613	rBV	97873	63307	4.94%	0.262%
65	4.426	614	617	619	rVB	187708	105005	8.19%	0.434%
66	4.463	622	624	627	rBV	92394	77702	6.06%	0.321%
67	4.511	628	633	635	rBV	724104	436932	34.10%	1.805%
68	4.527	635	636	638	rVB	154077	72229	5.64%	0.298%
69	4.548	638	640	642	rBV	238979	154955	12.09%	0.640%
70	4.586	643	647	652	rBV3	743635	828387	64.65%	3.423%
71	4.629	653	655	657	rBV3	46405	35949	2.81%	0.149%
72	4.661	660	661	663	rVB	191081	121108	9.45%	0.500%
73	4.757	677	679	681	rBV2	90065	69035	5.39%	0.285%
74	4.778	681	683	685	rVV2	128880	89016	6.95%	0.368%
75	4.832	690	693	695	rBV	269447	185819	14.50%	0.768%
76	4.848	695	696	701	rVB2	123976	157090	12.26%	0.649%
77	4.933	709	712	715	rVB	1474487	857862	66.95%	3.545%
78	4.992	721	723	725	rBV3	43740	40996	3.20%	0.169%
79	5.029	728	730	733	rVB2	59338	50969	3.98%	0.211%
80	5.072	733	738	741	rBV	1121465	935712	73.02%	3.866%
81	5.104	742	744	747	rVB2	53797	40343	3.15%	0.167%

82	5.131	747	749	752	rBV2	270519	174987	13.66%	0.723%
83	5.206	760	763	769	rBV2	133069	145412	11.35%	0.601%
84	5.280	773	777	781	rVB	260544	212984	16.62%	0.880%
85	5.318	781	784	788	rBV2	108229	124860	9.74%	0.516%
86	5.350	788	790	794	rVB2	103771	83820	6.54%	0.346%
87	5.419	800	803	804	rBV	95030	74675	5.83%	0.309%
88	5.435	804	806	819	rVB	128601	175304	13.68%	0.724%
89	5.585	832	834	839	rVB	56920	58243	4.55%	0.241%
90	5.804	872	875	878	rVB	54163	48634	3.80%	0.201%
91	5.836	878	881	884	rBV	42040	43701	3.41%	0.181%
92	6.018	909	915	917	rBV2	860603	925178	72.20%	3.823%
93	6.039	917	919	922	rVB	242472	179507	14.01%	0.742%
94	6.311	968	970	975	rVB2	59959	61813	4.82%	0.255%
95	6.894	1075	1079	1080	rBV	121114	137075	10.70%	0.566%
96	7.172	1127	1131	1136	rVB	81155	99780	7.79%	0.412%
97	7.225	1137	1141	1146	rVV	89862	107877	8.42%	0.446%
98	7.289	1147	1153	1161	rVB	494289	673809	52.58%	2.784%
99	8.689	1410	1415	1421	rVB2	41646	79413	6.20%	0.328%
100	9.116	1489	1495	1503	rVB	28518	59293	4.63%	0.245%

Sum of corrected areas: 24201933

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D
Operator : CH
Acquired : 25 Feb 2003 18:05 using AcqMethod CS0203
Instrument : MSD_C
Sample Name: SB-X11-10.5/,01327-009,S,10.51g,17.6,02/
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5
Vial Number: 11
Quant File :CS0203.RES (RTE Integrator)



0336

302674

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

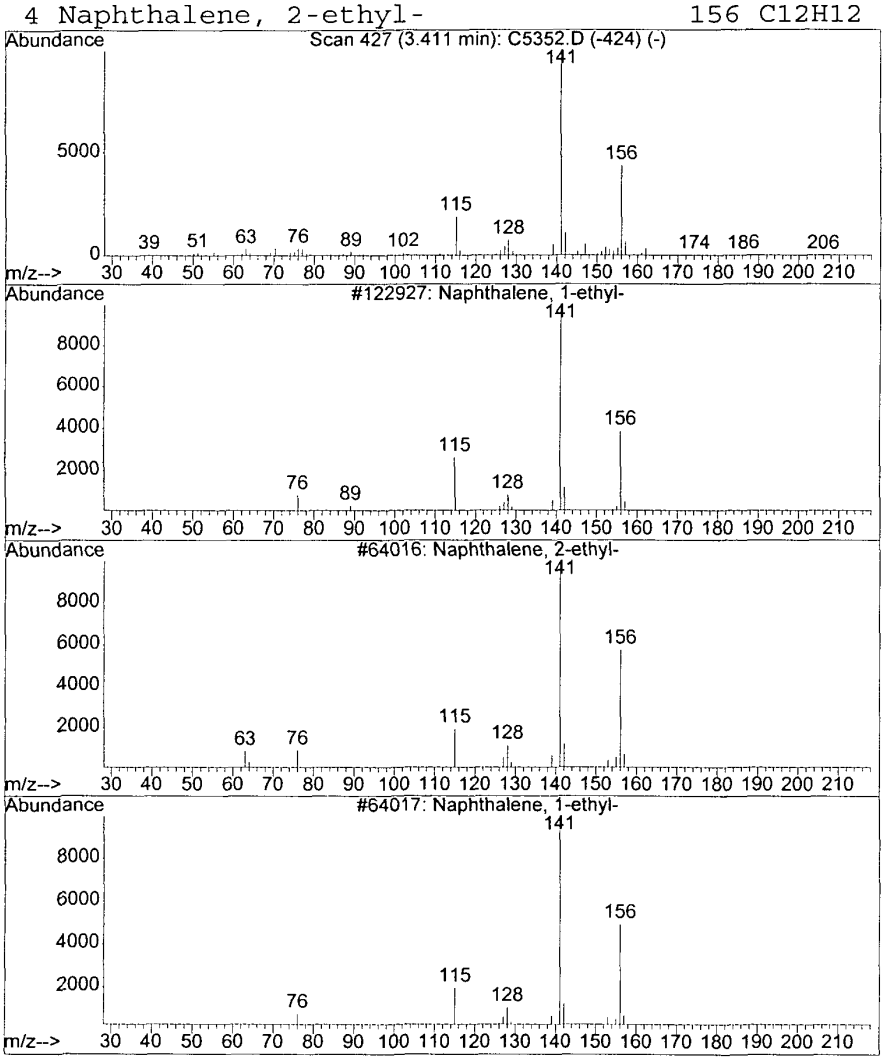
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

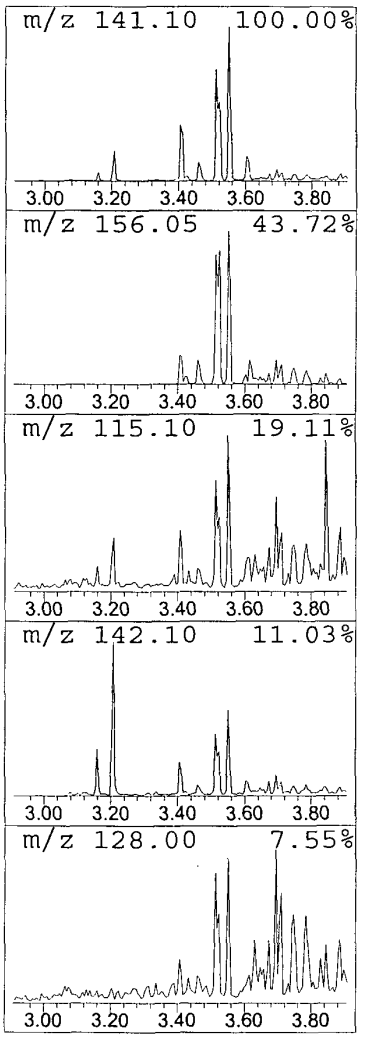
****

Peak Number 1 Substituted naphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	4.24 UG	124893	Acenaphthene-d10	3.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





302675

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

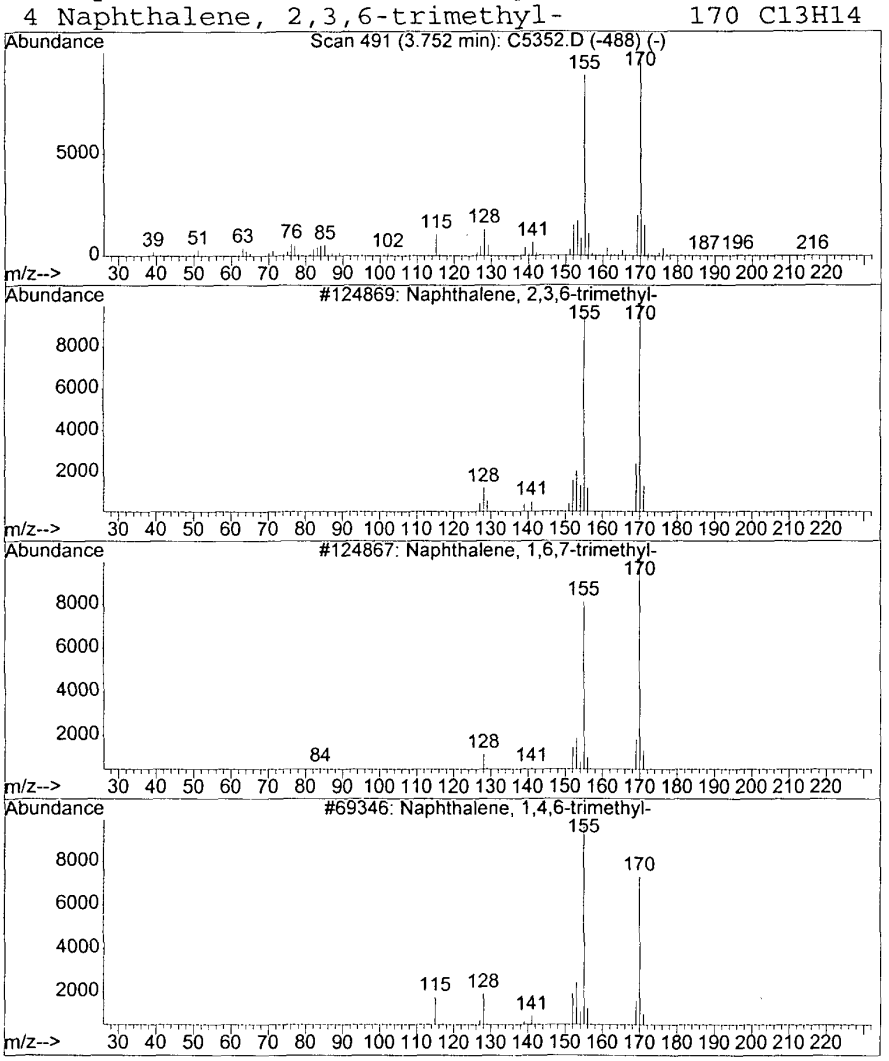
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

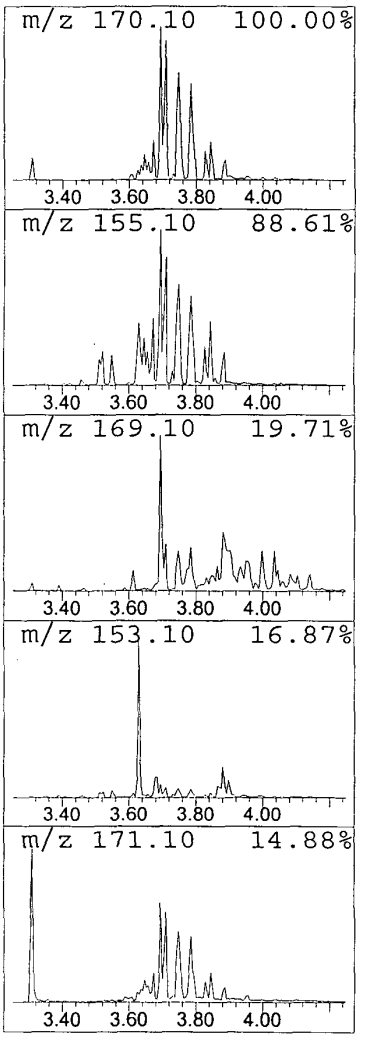
****

Peak Number 2 Substituted naphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	13.66 UG	402108	Acenaphthene-d10	3.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

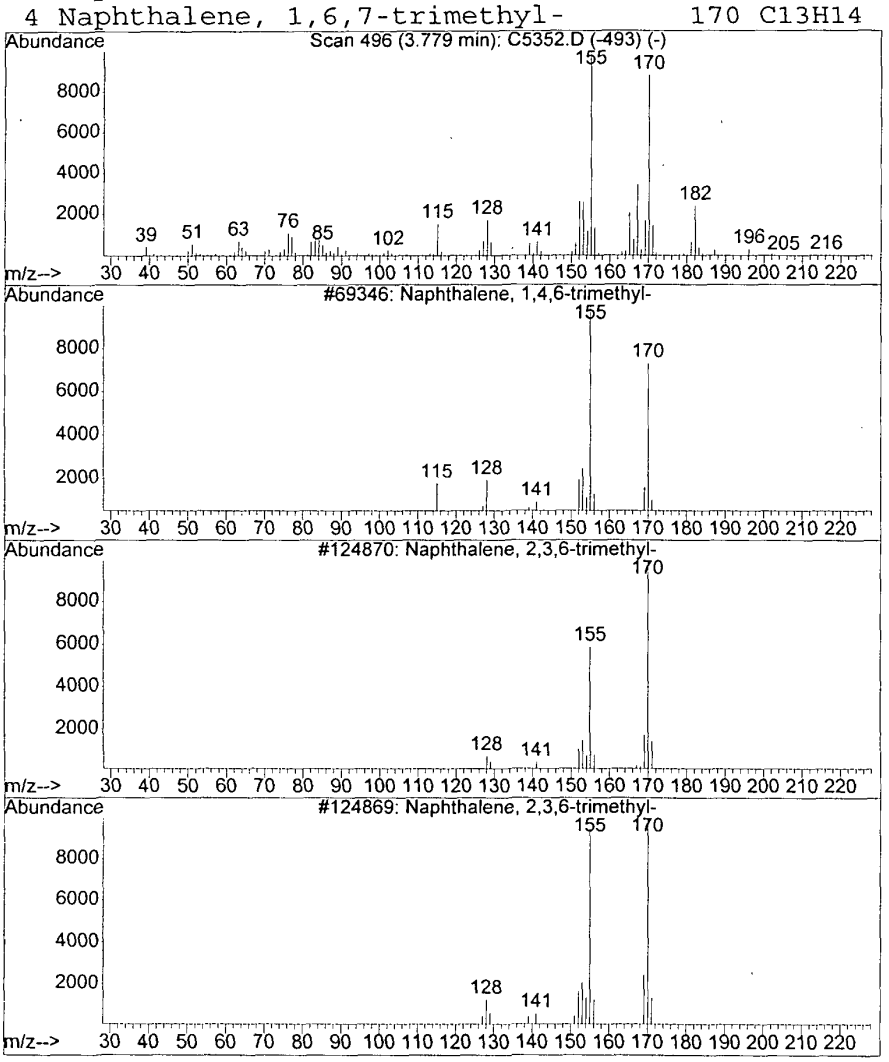
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

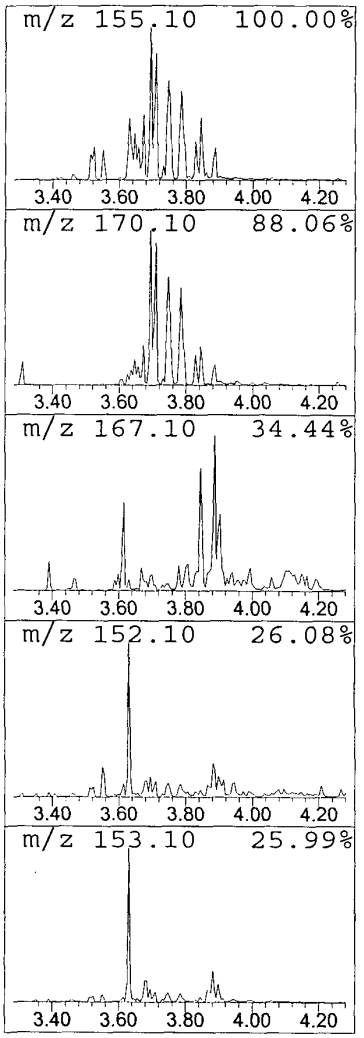
****

Peak Number 3 Substituted naphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	17.02 UG	501144	Acenaphthene-d10	3.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





0339

302677

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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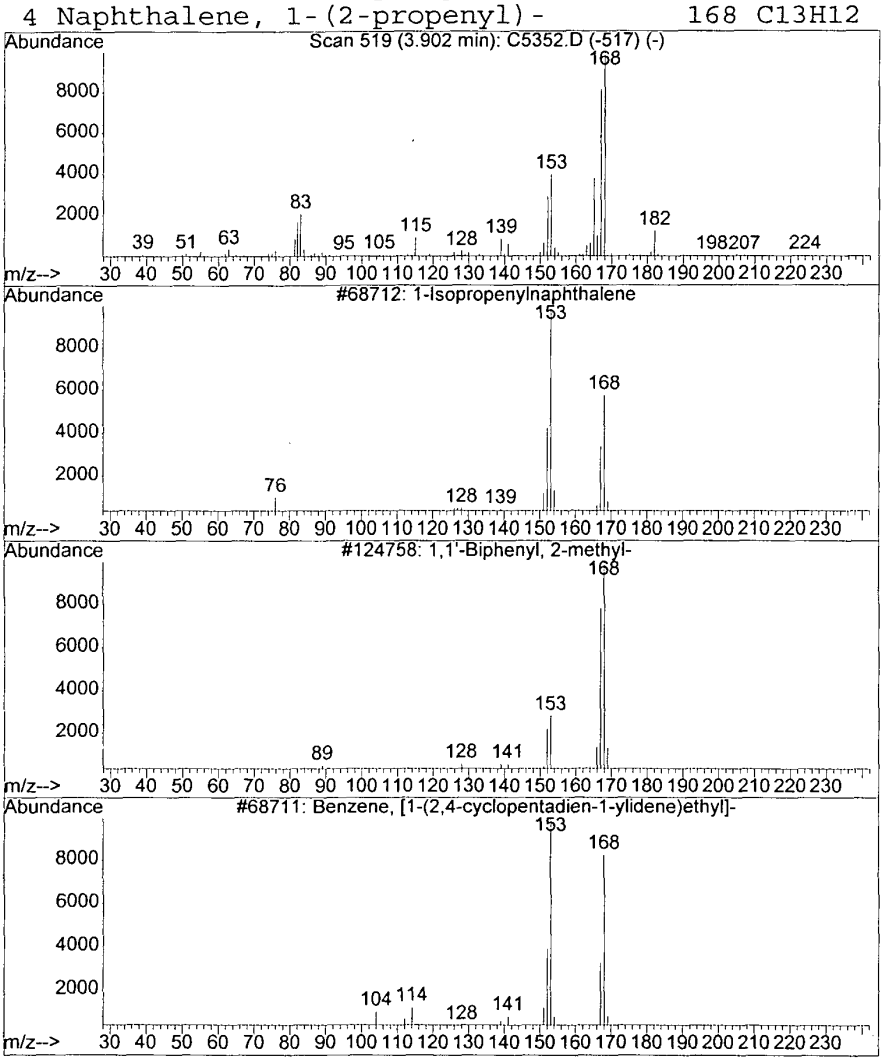
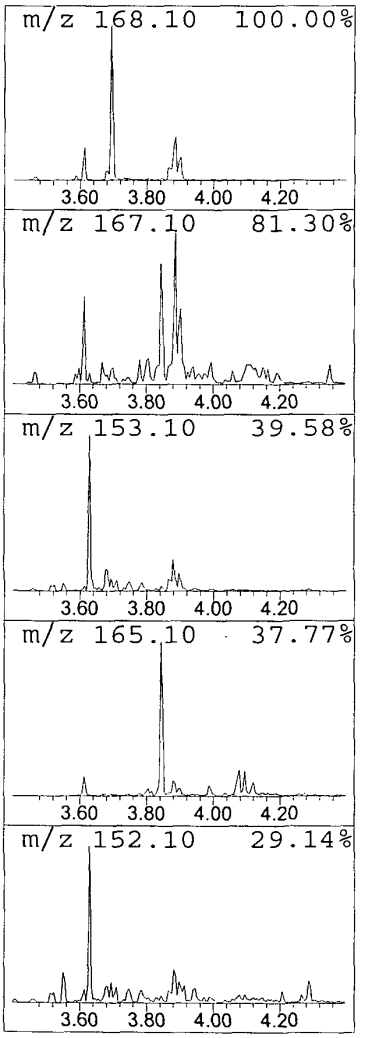
Peak Number 4 Unknown aromatic Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	10.62 UG	312644	Acenaphthene-d10	3.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	70
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43





302678

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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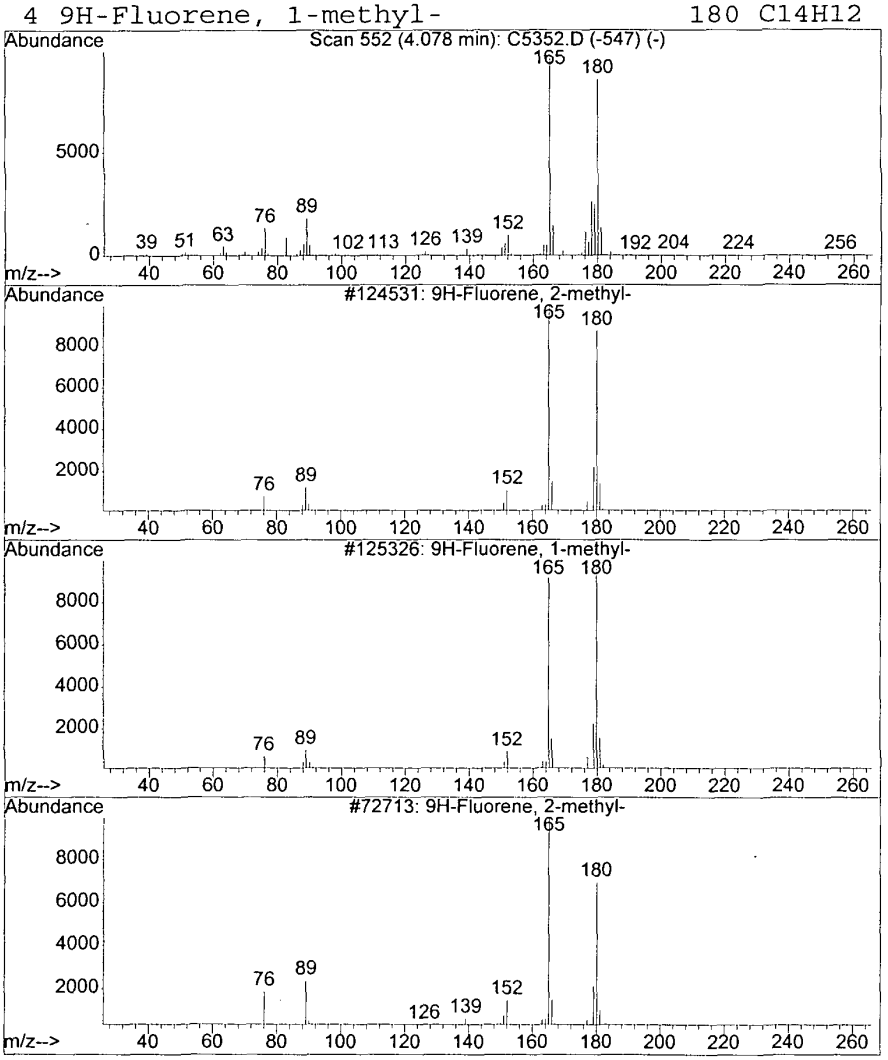
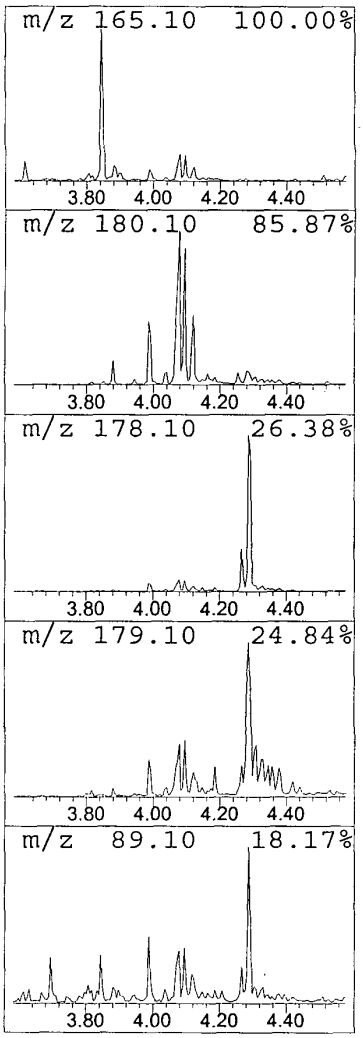
Peak Number 5 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	13.25 UG	357321	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95





0341

302679

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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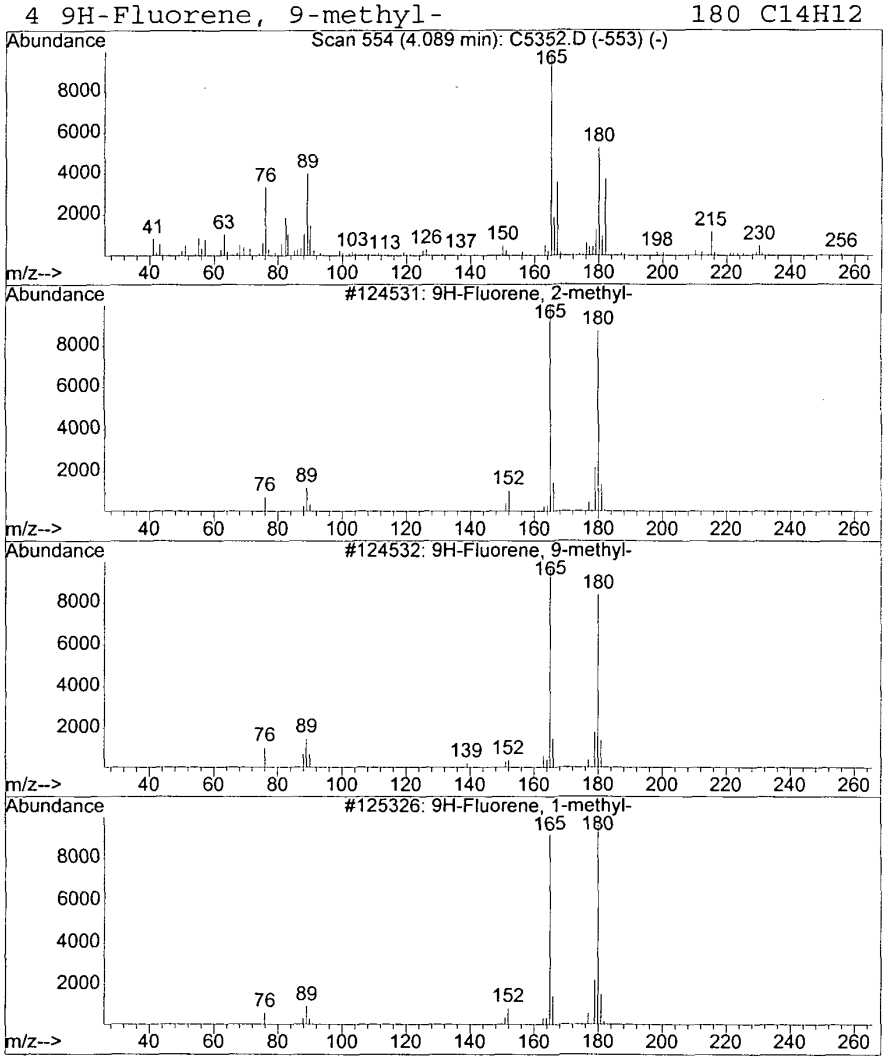
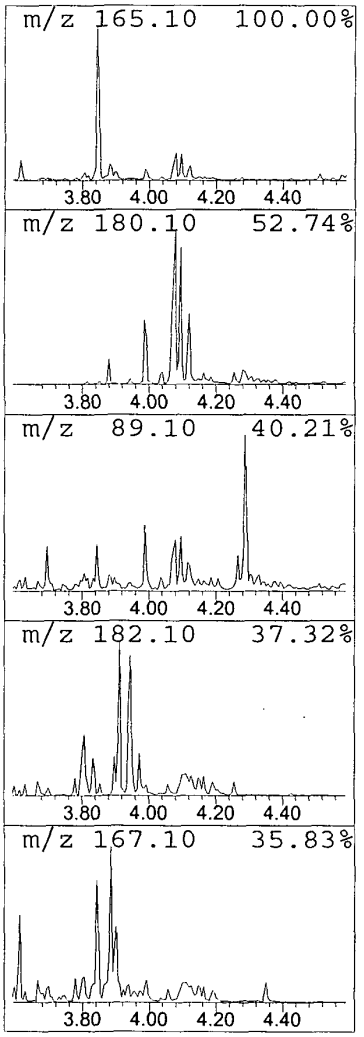
Peak Number 6 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	10.07 UG	271645	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





0342

302680

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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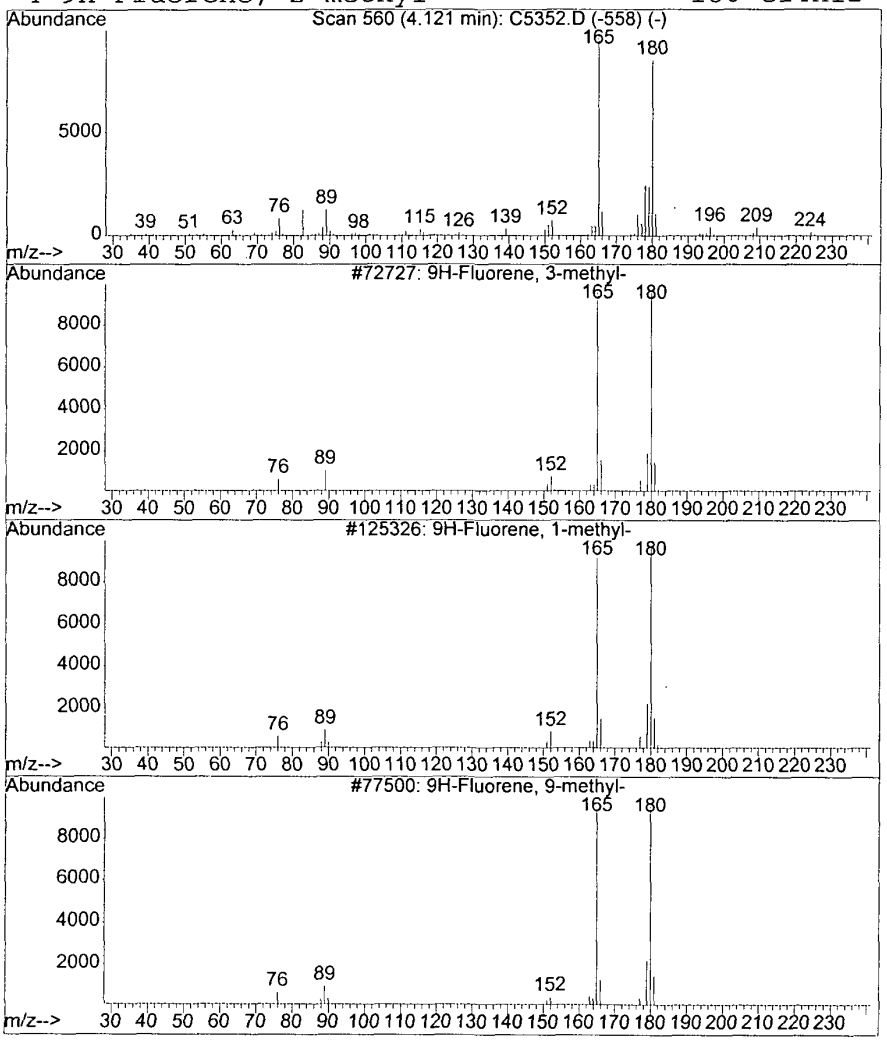
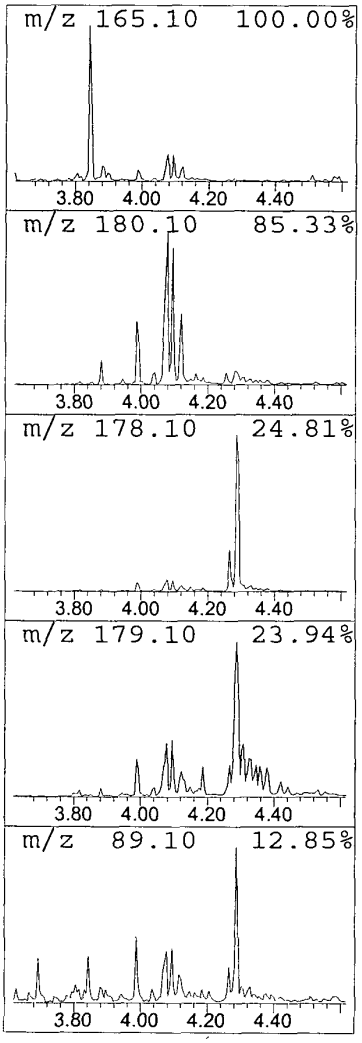
Peak Number 7 Unknown aromatic Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	5.04 UG	135876	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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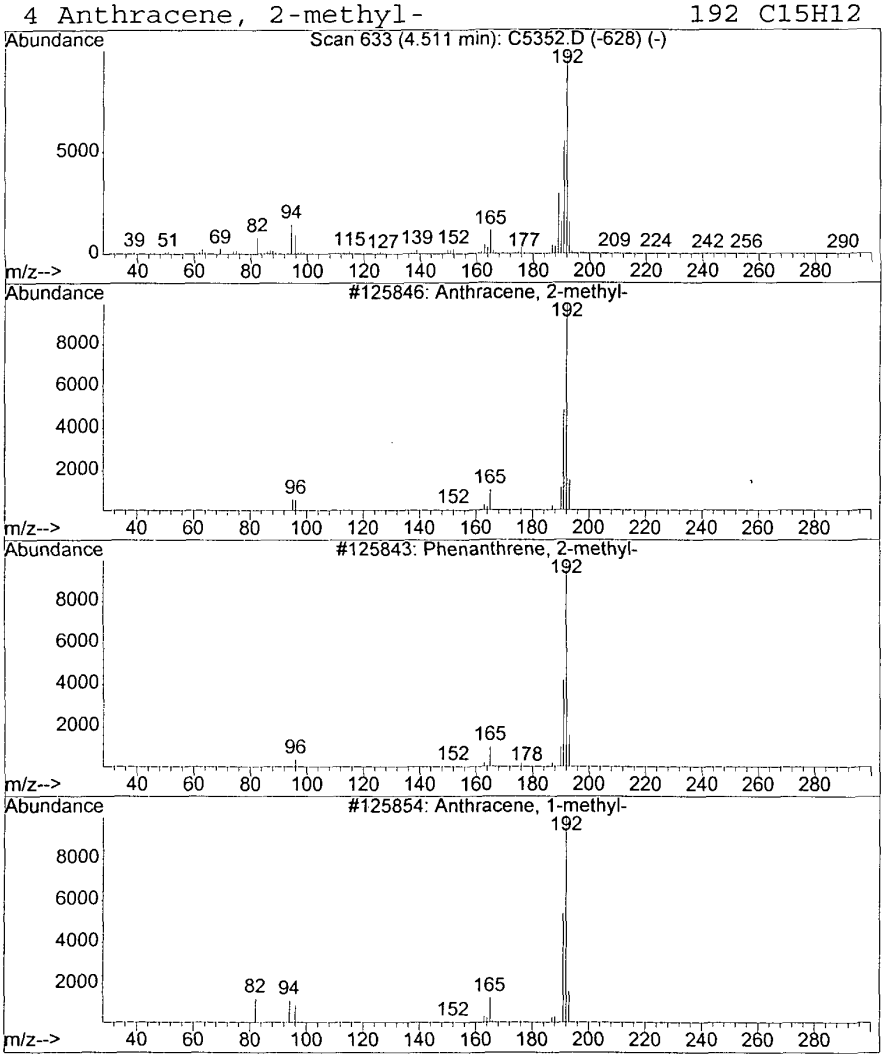
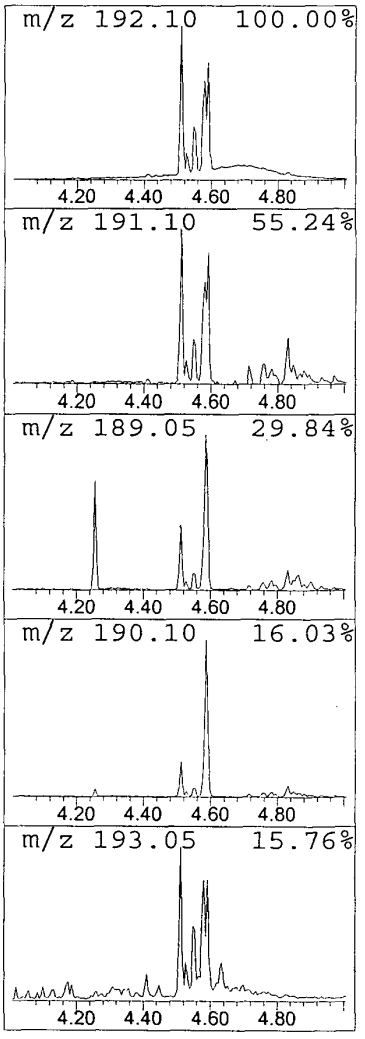
Peak Number 8 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.51	16.20 UG	436932	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





0344

302682

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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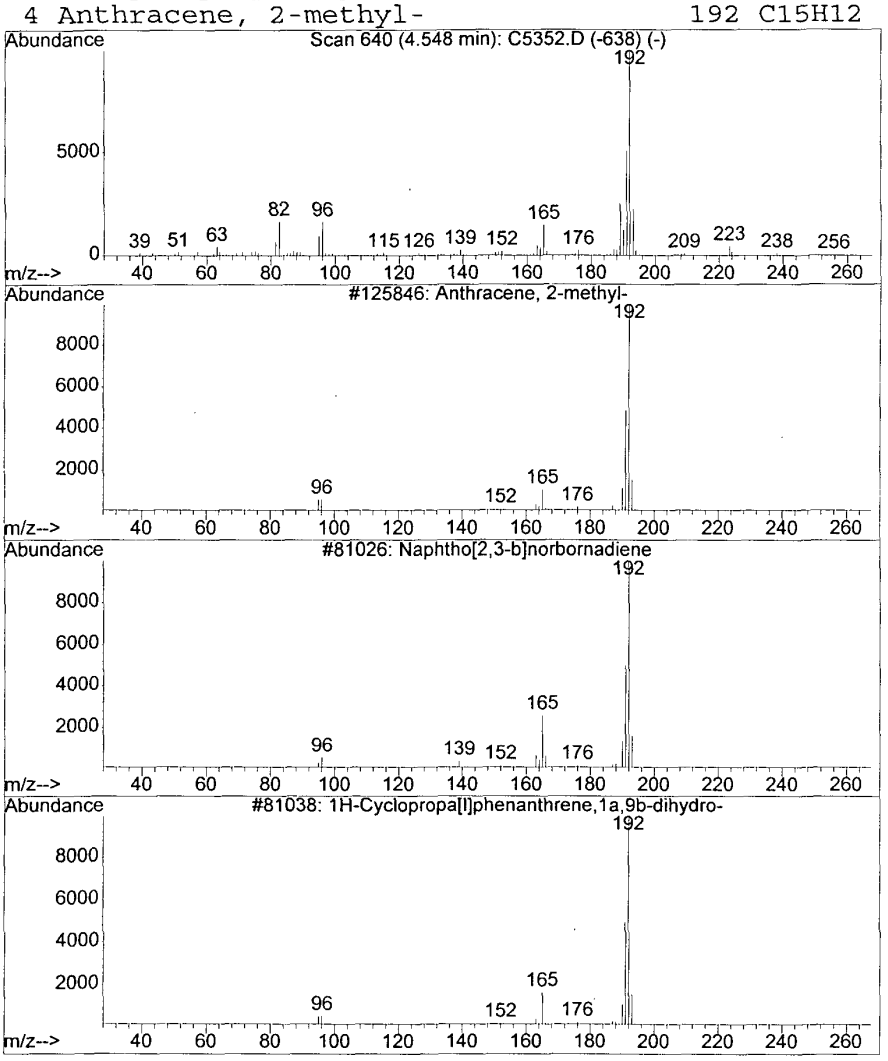
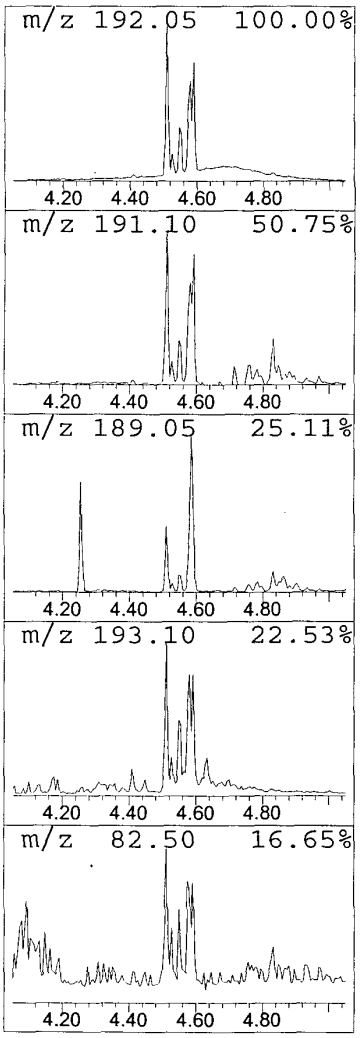
Peak Number 9 Unknown aromatic Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	5.75 UG	154955	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Naphtho[2,3-b]norbornadiene	192	C15H12	1000210-52-3	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





0345

302683

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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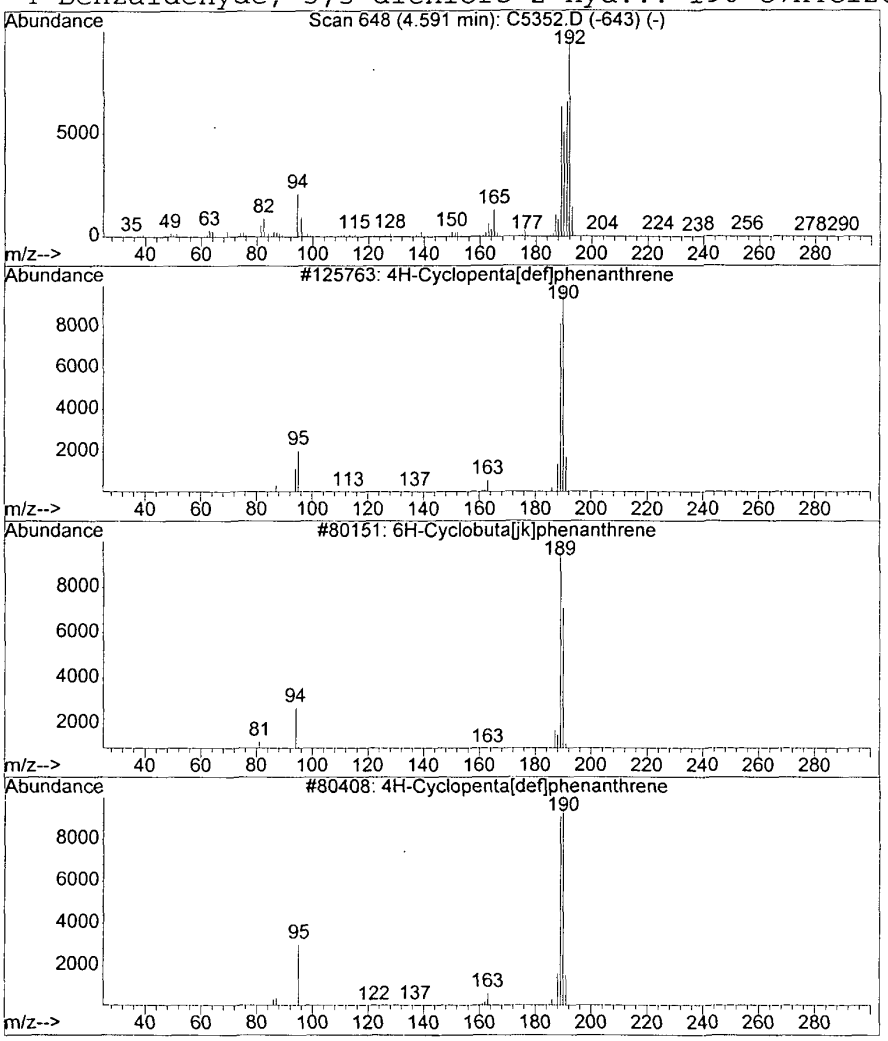
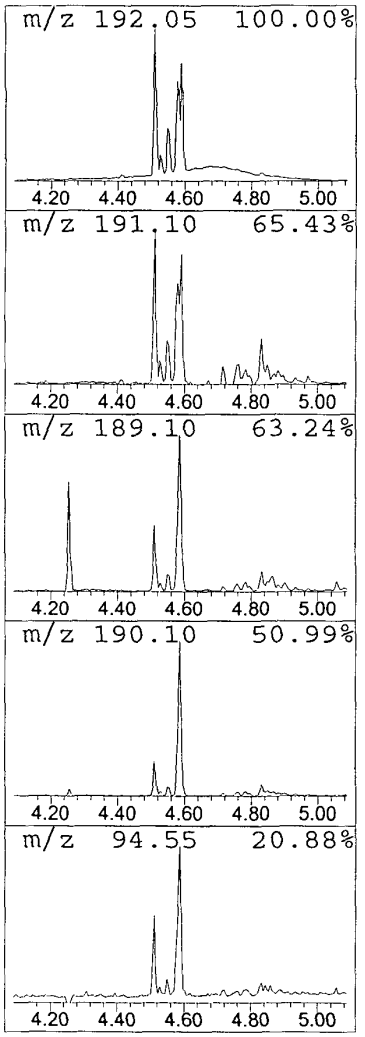
Peak Number 10 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	13.65 UG	368080	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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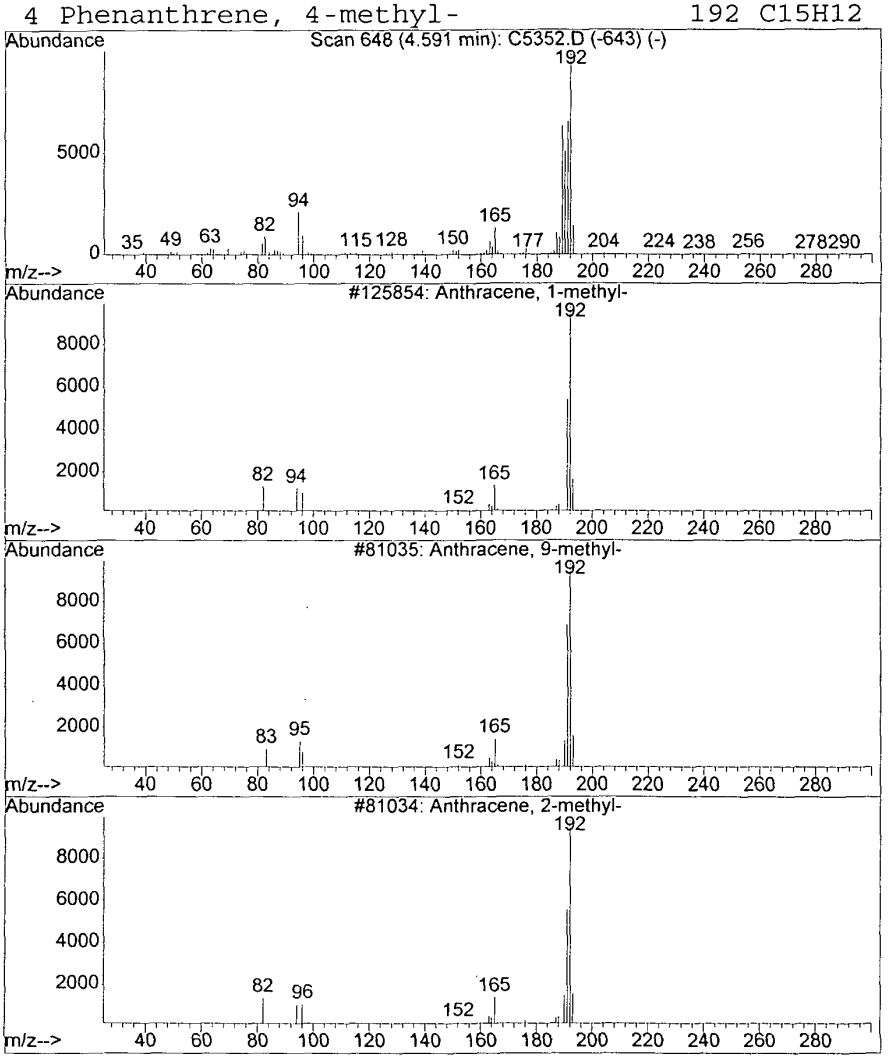
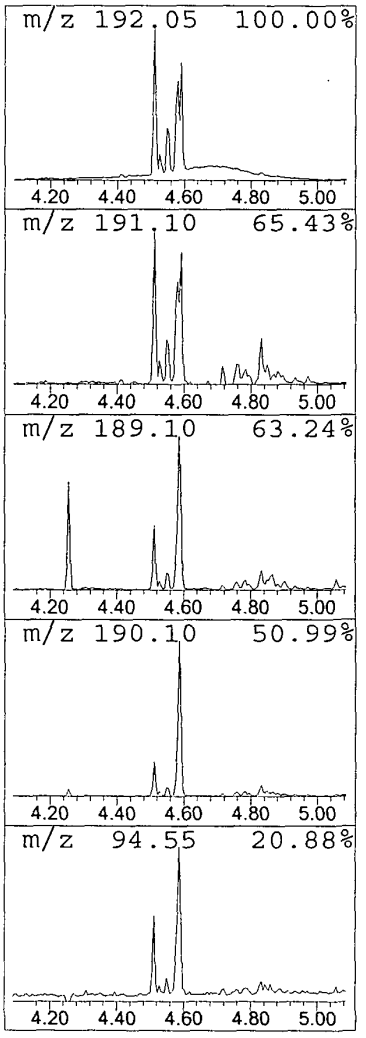
Peak Number 11 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	14.61 UG	394064	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





302685

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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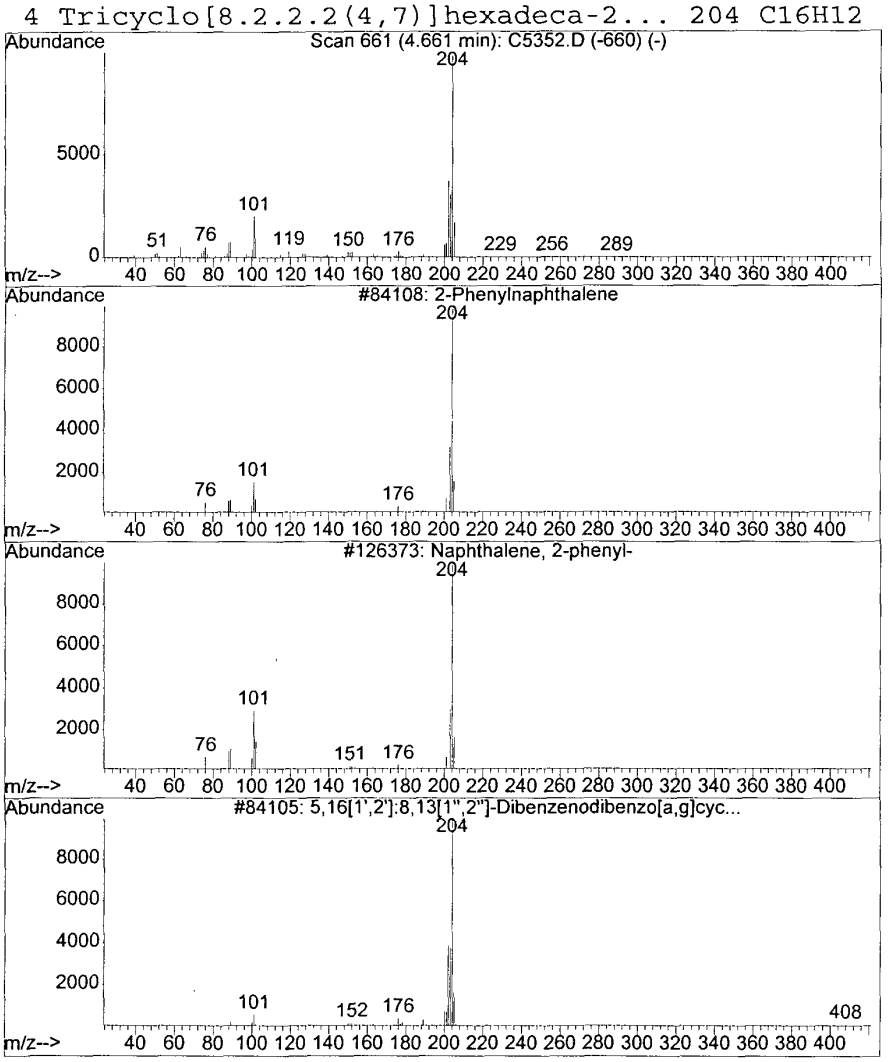
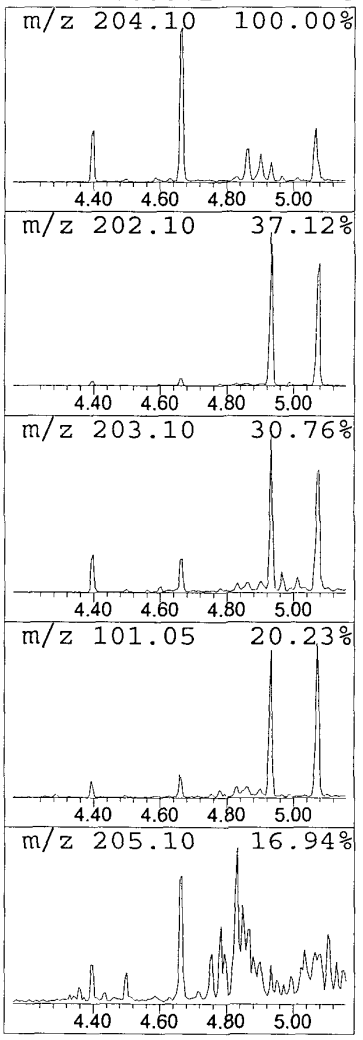
Peak Number 12 Unknown aromatic Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	4.49 UG	121108	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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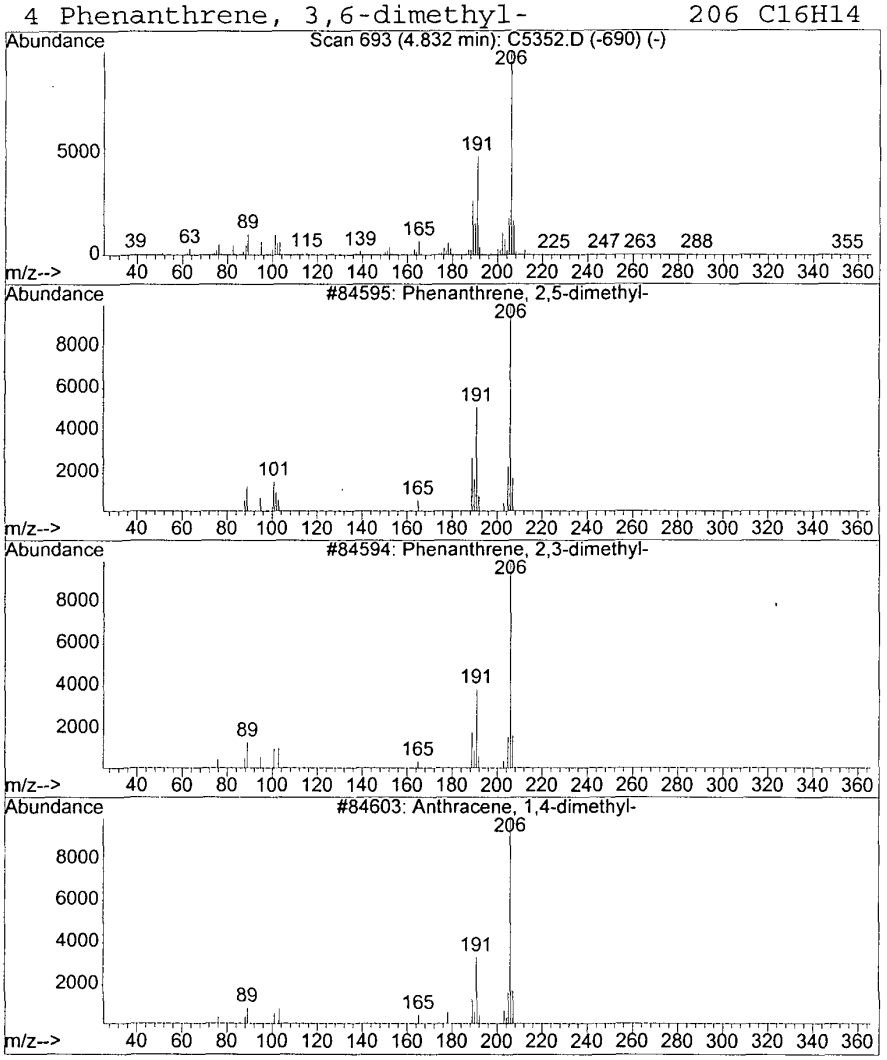
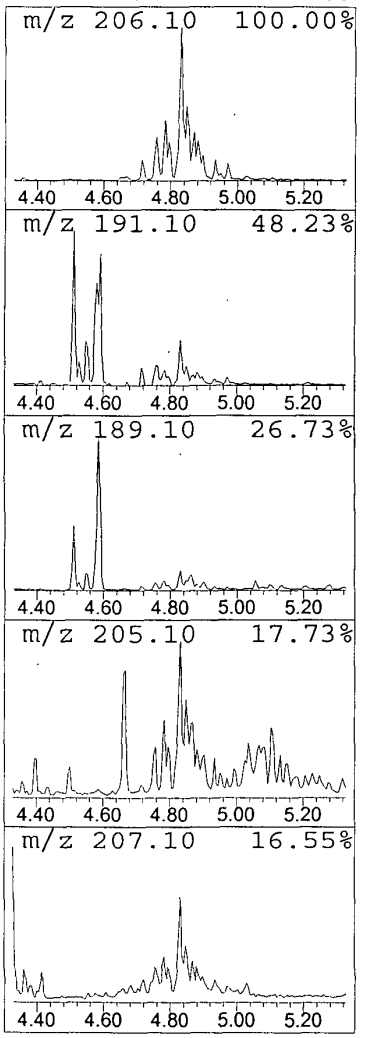
Peak Number 13 Unknown aromatic Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	6.89 UG	185819	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

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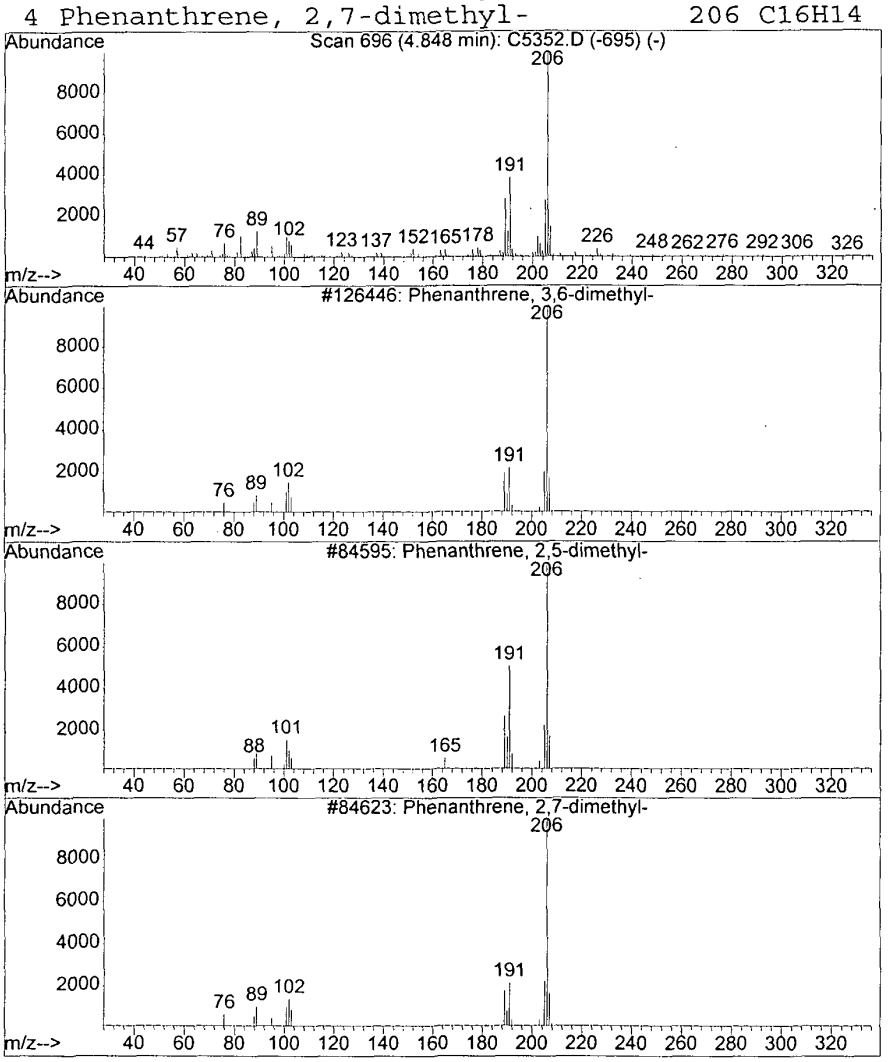
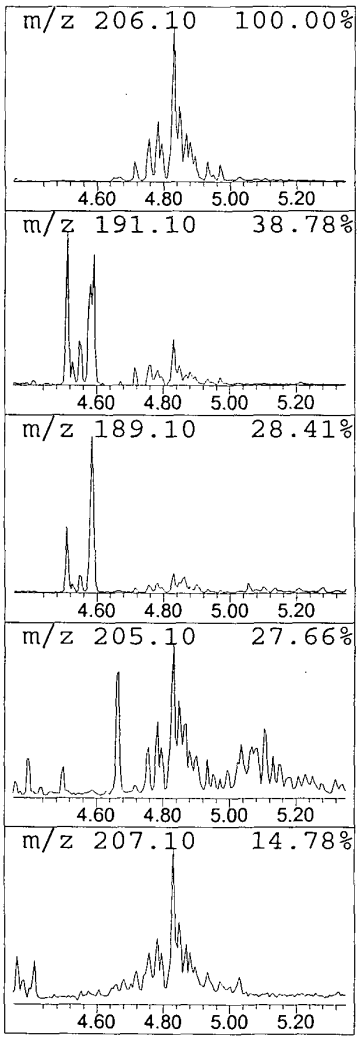
Peak Number 14 Unknown aromatic Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	4.19 UG	113115	Phenanthrene-d10	4.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





0350

302688

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
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Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

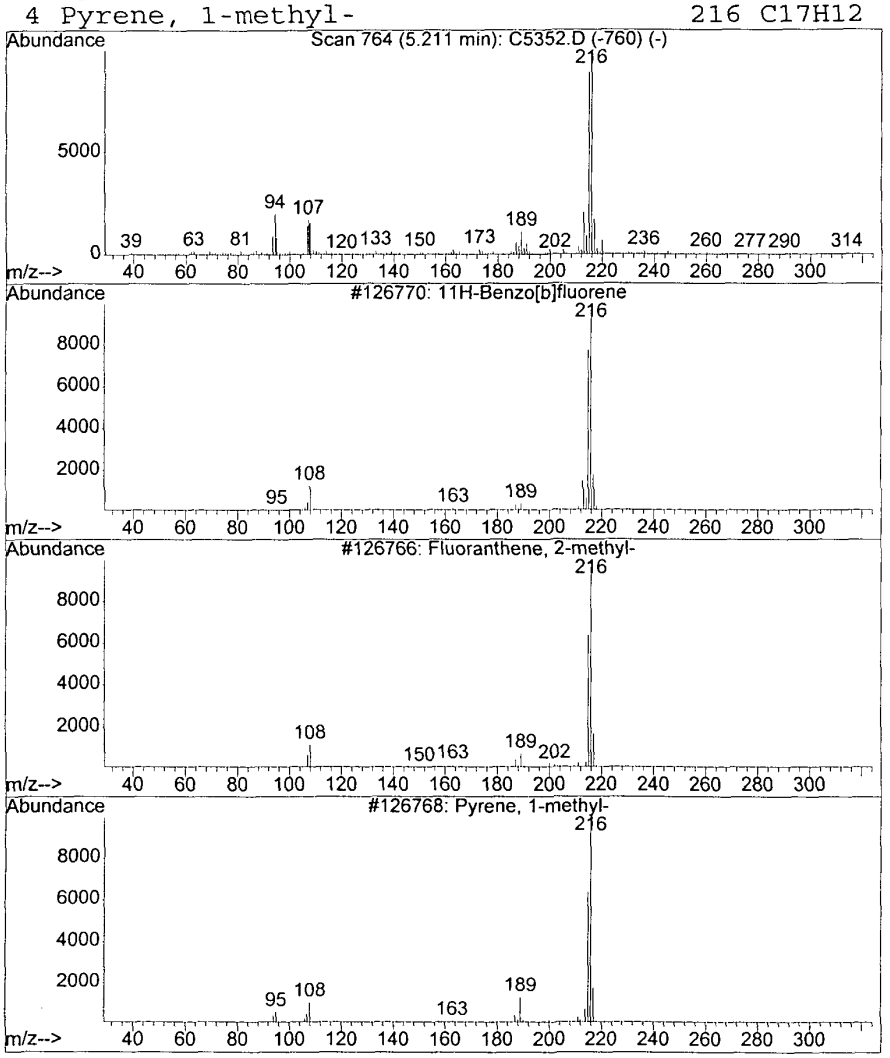
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

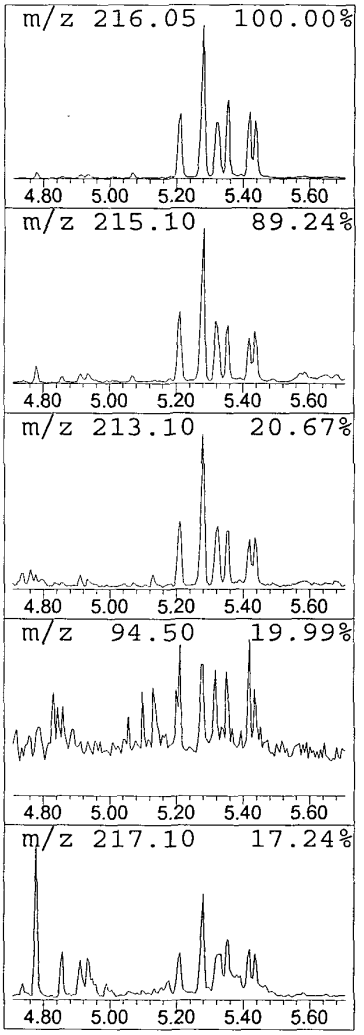
****

Peak Number 15 Unknown aromatic Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	5.06 UG	117087	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





0351

302689

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

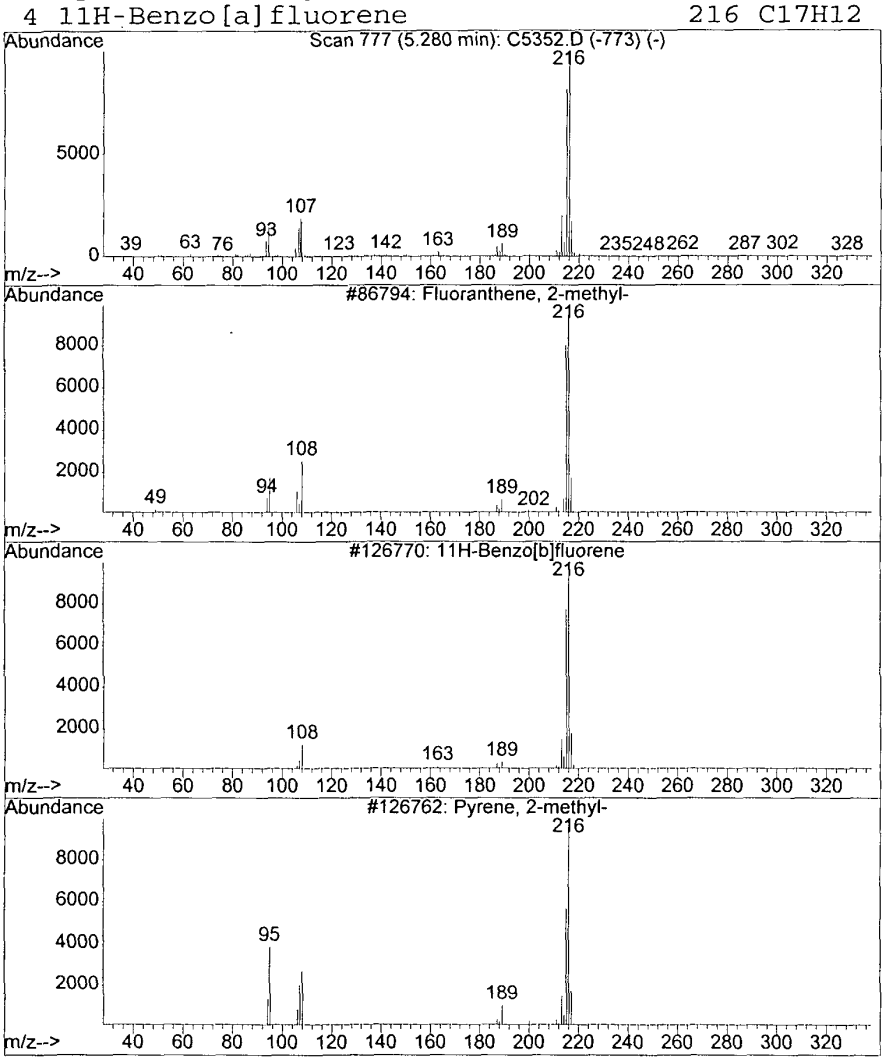
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

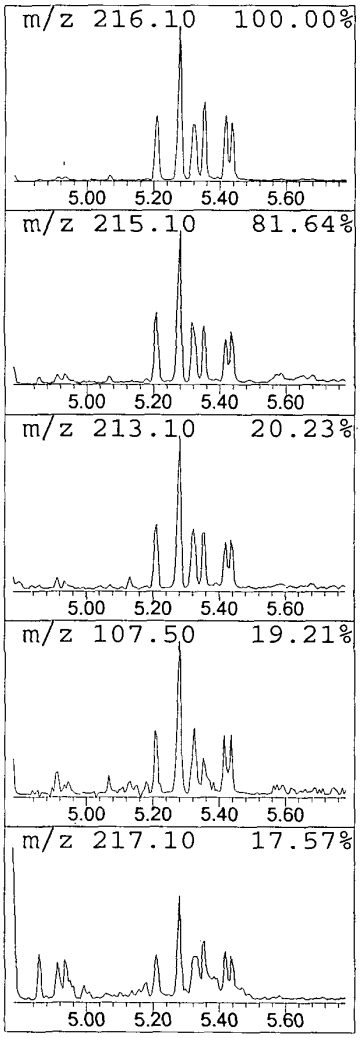
****

Peak Number 16 Unknown aromatic Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	9.21 UG	212984	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





0352

302690

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

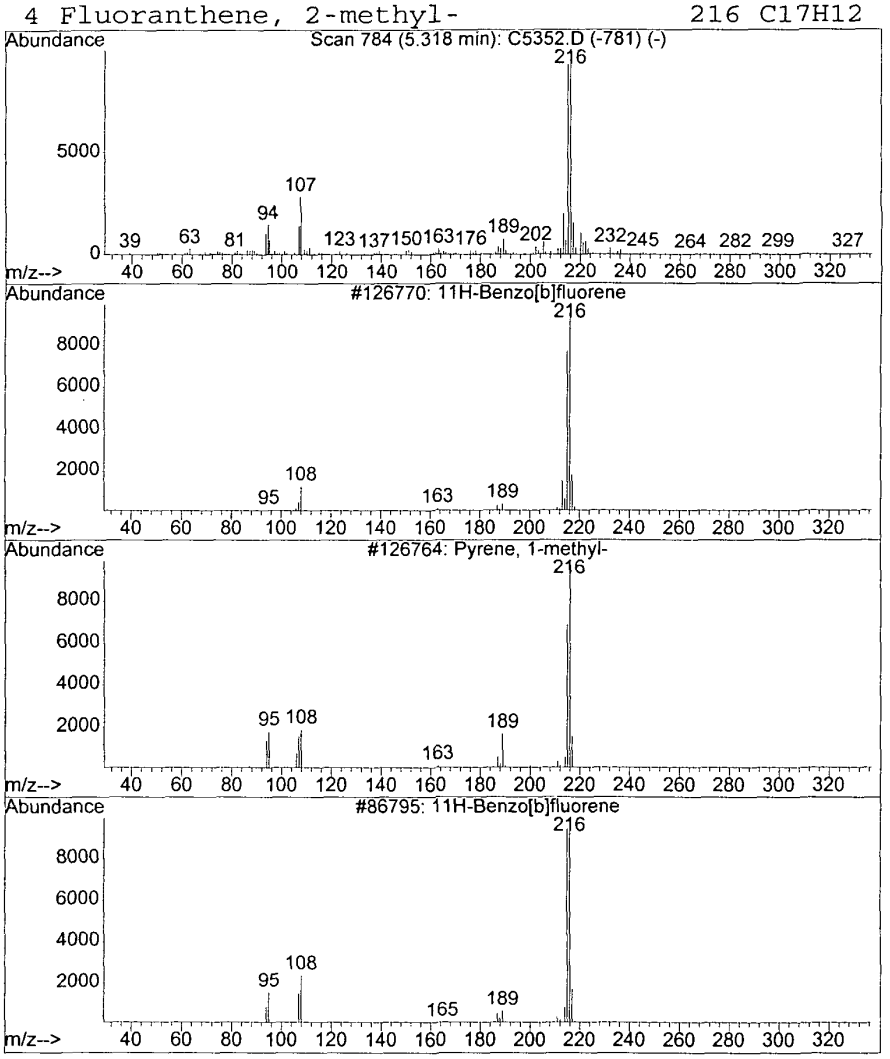
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

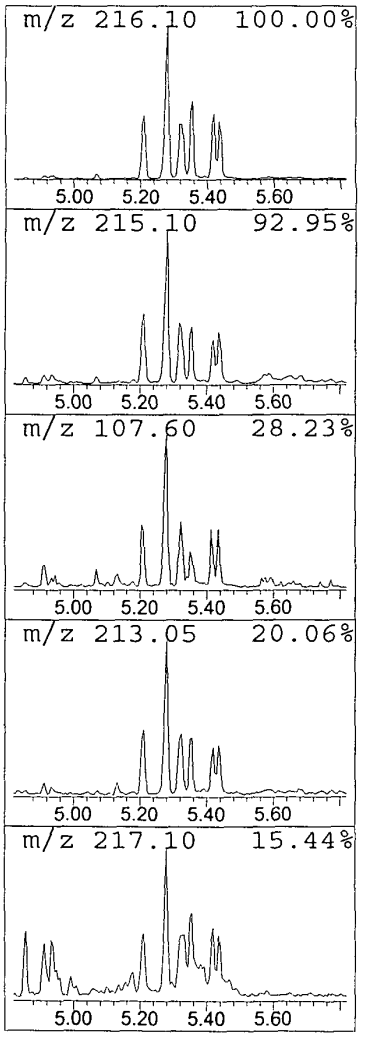
****

Peak Number 17 Unknown aromatic Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	4.42 UG	102343	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





302691

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

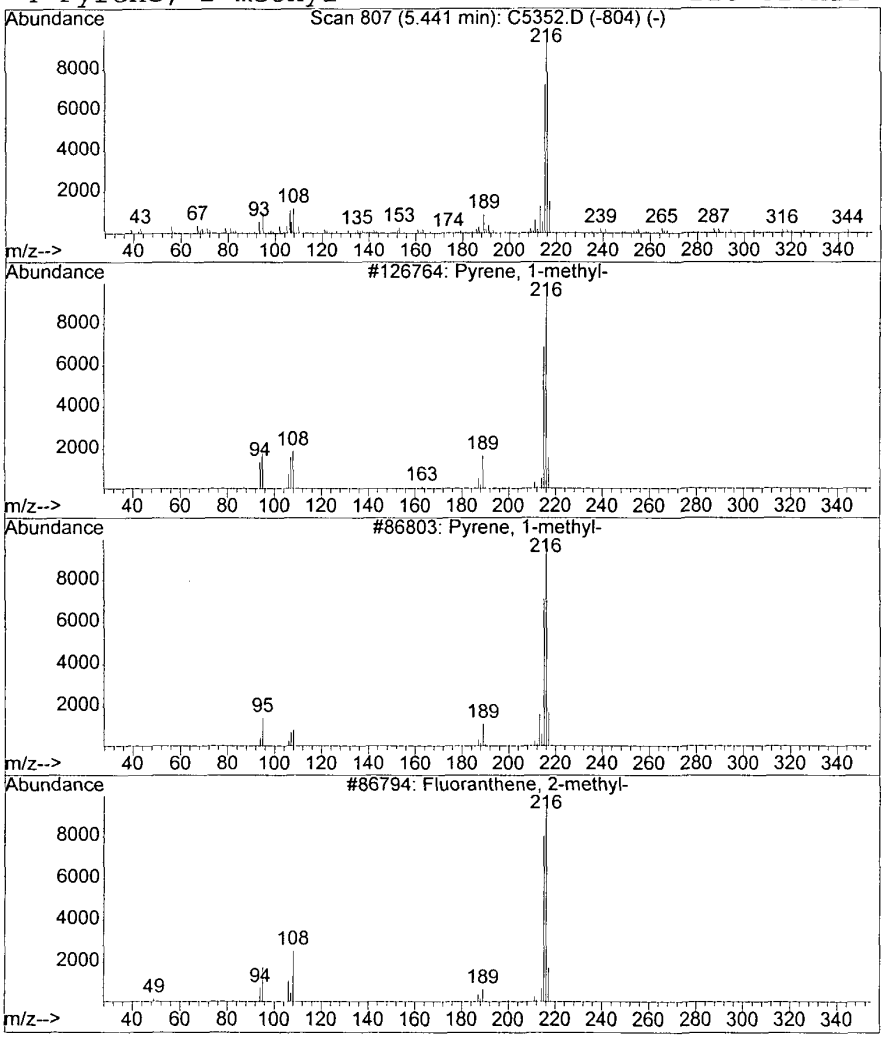
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

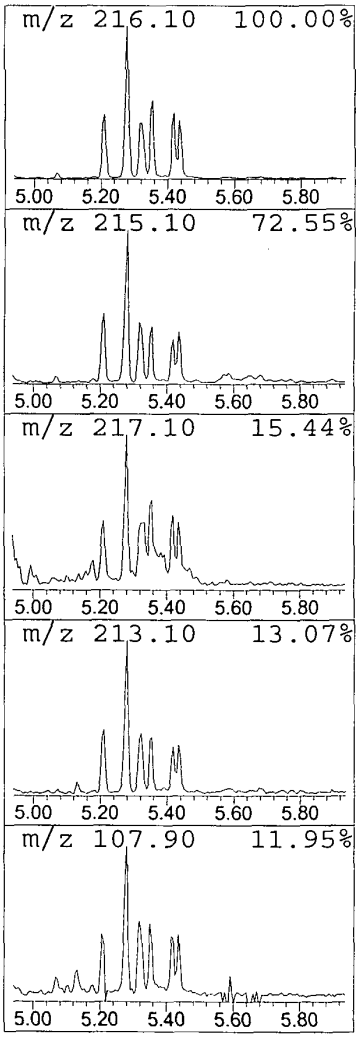
****

Peak Number 18 Unknown aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	7.58 UG	175304	Chrysene-d12	6.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





0354

302692

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5352.D Vial: 11
Acq On : 25 Feb 2003 18:05 Operator: CH
Sample : SB-X11-10.5/,01327-009,S,10.51g,17.6,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
MS Integration Params: Lscint.p

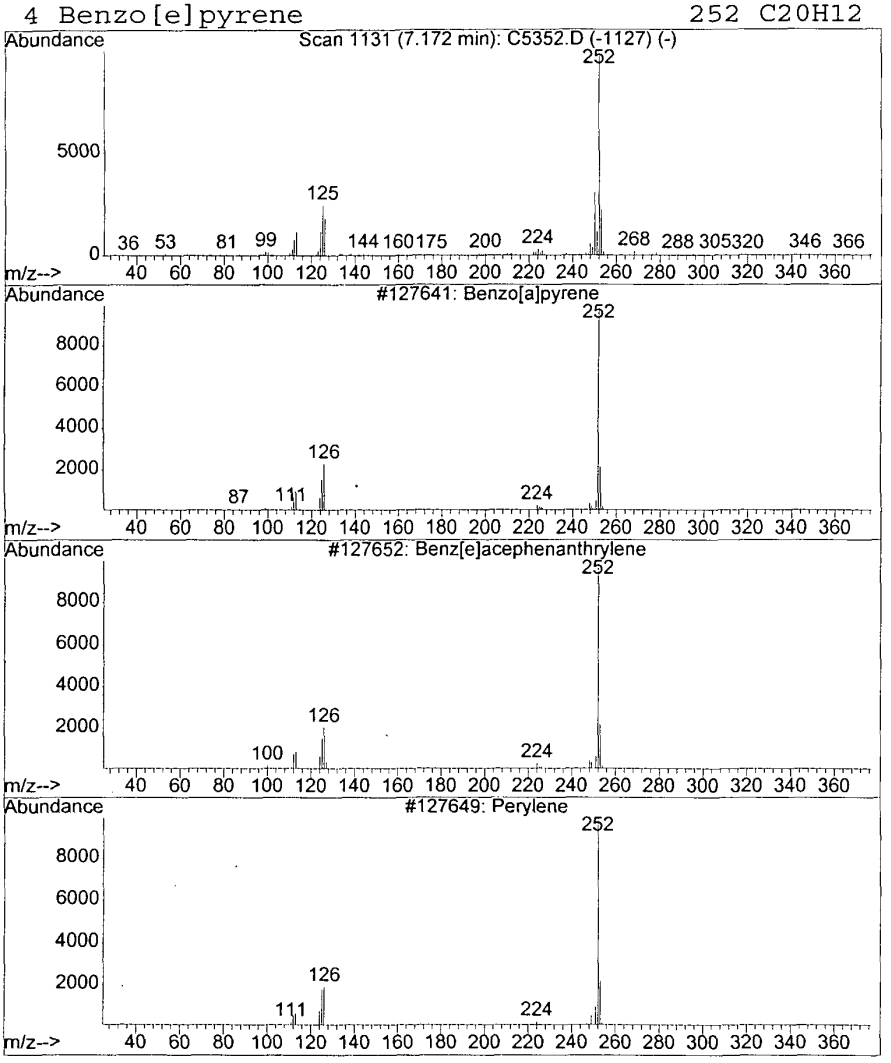
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

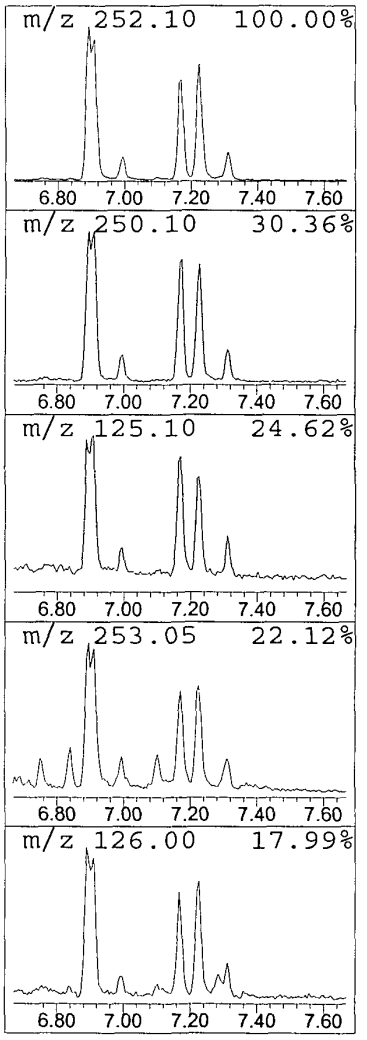
****

Peak Number 19 Unknown aromatic Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	5.92 UG	99780	Perylene-d12	7.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93





0055

302693

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5353.D Vial: 12
Acq On : 25 Feb 2003 18:21 Operator: CH
Sample : SB-X11-26.5/,01327-010,S,10.49g,16.1,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 18:31:18 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	113805	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	421560	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	208489	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	302527	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	173309	40.00	UG	-0.03
92) Perylene-d12	7.28	264	156294	40.00	UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.82	112	224132	61.95	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 61.95%			
6) Phenol-d5	2.16	99	327268	73.41	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 73.41%			
24) Nitrobenzene-d5	2.56	82	134416	38.20	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 76.40%			
47) 2-Fluorobiphenyl	3.31	172	267804	45.33	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 90.66%			
70) 2,4,6-Tribromophenol	3.96	330	62207	78.81	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 78.81%			
84) Terphenyl-d14	5.14	244	208722	53.38	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 106.76%			

Target Compounds

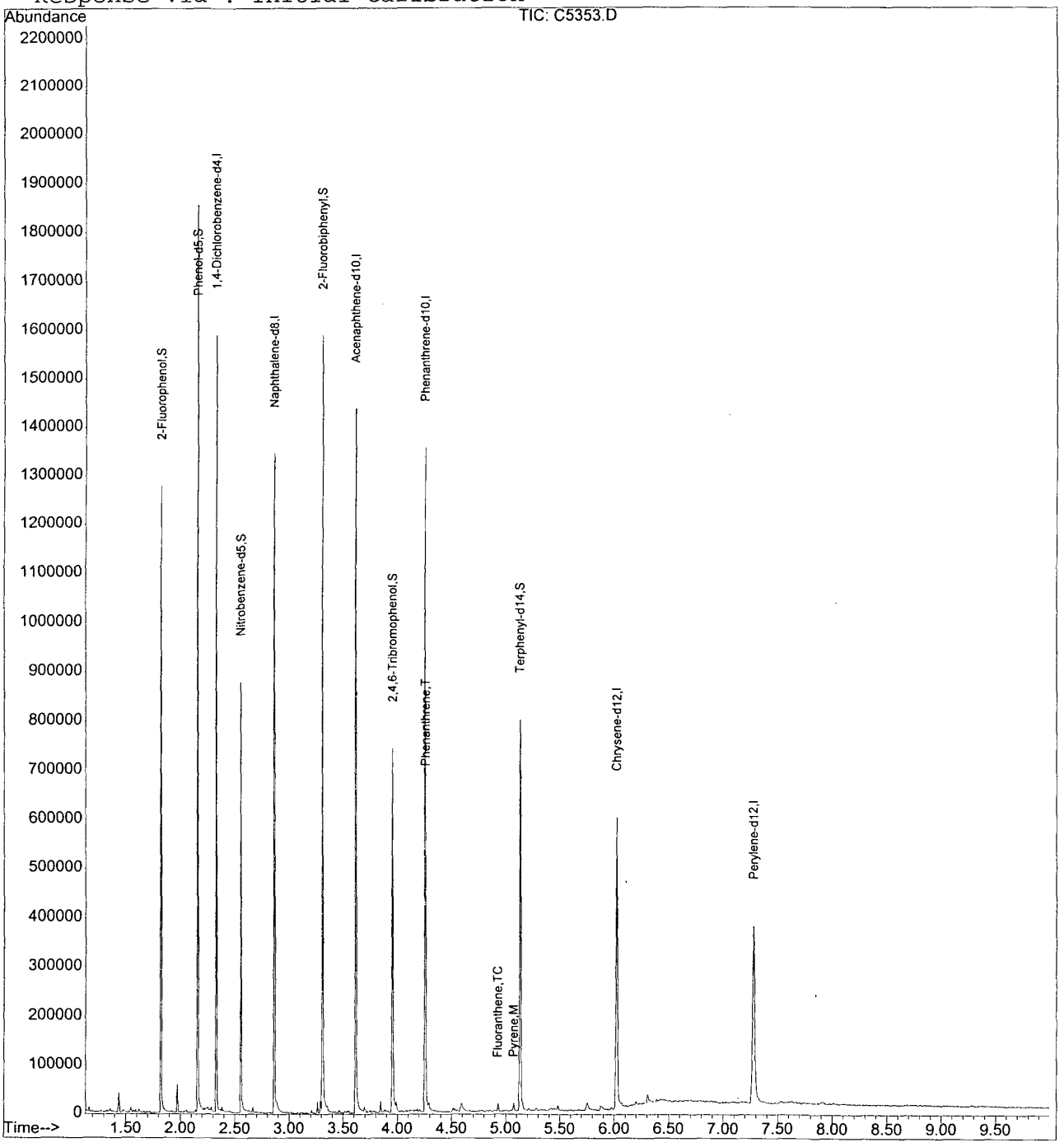
						Qvalue
75) Phenanthrene	4.27	178	7537	1.11	UG #	95
79) Fluoranthene	4.93	202	4344	0.76	UG #	92
83) Pyrene	5.07	202	4340	0.76	UG #	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5353.D Vial: 12
Acq On : 25 Feb 2003 18:21 Operator: CH
Sample : SB-X11-26.5/,01327-010,S,10.49g,16.1,02/ Inst : MSD_C
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:08 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0357

302695

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-25-03\C5353.D          Vial: 12
Acq On    : 25 Feb 2003  18:21                       Operator: CH
Sample    : SB-X11-26.5/,01327-010,S,10.49g,16.1,02/ Inst    : MSD_C
Misc      : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1   Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

****

C5353.D CS0203.M Wed Feb 26 07:31:22 2003 MSD_C

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-24-03\B8312.D Vial: 91
Acq On : 24 Feb 2003 9:55 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/24/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 10:05:37 2003 Quant Results File: BW0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration
DataAcq Meth : BW0203

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.39	152	49849	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	202197	40.00 UG	0.00
43) Acenaphthene-d10	3.69	164	107480	40.00 UG	0.00
66) Phenanthrene-d10	4.34	188	177149	40.00 UG	0.00
82) Chrysene-d12	6.13	240	107538	40.00 UG	-0.01
92) Perylene-d12	7.42	264	75362	40.00 UG	0.00

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	112475	83.54 UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 83.54%		
6) Phenol-d5	2.21	99	160462	91.12 UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 91.12%		
24) Nitrobenzene-d5	2.62	82	70226	44.53 UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 89.06%		
47) 2-Fluorobiphenyl	3.38	172	138154	46.05 UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 92.10%		
70) 2,4,6-Tribromophenol	4.03	330	47300	107.57 UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 107.57%		
84) Terphenyl-d14	5.22	244	142306	62.77 UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 125.54%		

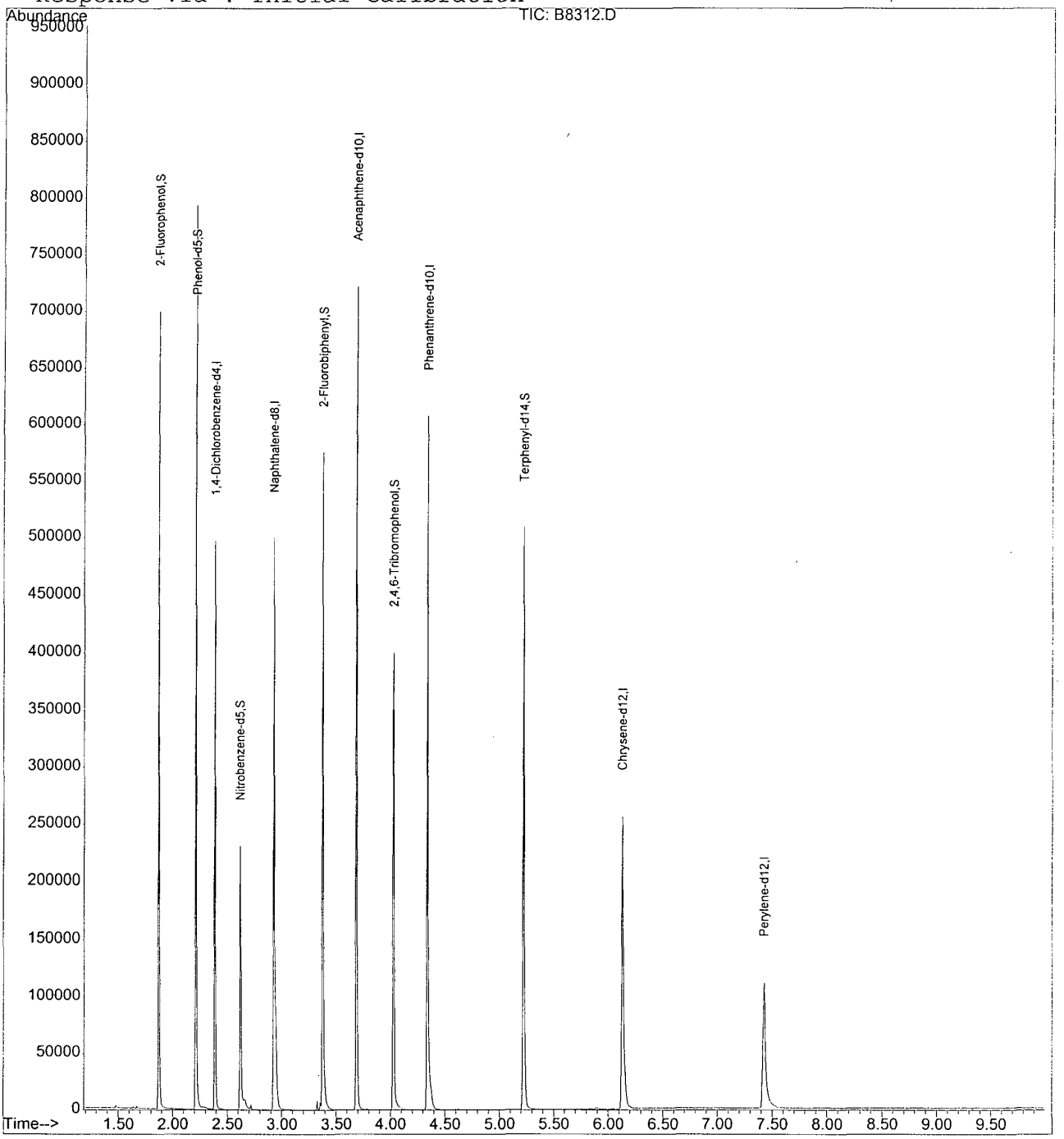
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-24-03\B8312.D Vial: 91
Acq On : 24 Feb 2003 9:55 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/24/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 24 10:23 2003 Quant Results File: BW0203.RES

Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Tue Feb 18 11:59:36 2003
Response via : Initial Calibration



0360

302698

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-24-03\B8312.D Vial: 91
Acq On : 24 Feb 2003 9:55 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/24/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : C:\MSDCHEM\1\METHODS\BW0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

No Library Search Compounds Detected

****
B8312.D BW0203.M Mon Feb 24 10:23:48 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5342.D Vial: 1
Acq On : 25 Feb 2003 15:32 Operator: CH
Sample : .,Method-blk,S,30g,0,02/25/03 Inst : MSD_C
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 25 15:42:32 2003 Quant Results File: CS0203.RES

Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration
DataAcq Meth : CS0203

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	2.33	152	130349	40.00	UG	0.00
23) Naphthalene-d8	2.86	136	487133	40.00	UG	-0.01
43) Acenaphthene-d10	3.61	164	262602	40.00	UG	-0.02
66) Phenanthrene-d10	4.25	188	410236	40.00	UG	-0.02
82) Chrysene-d12	6.02	240	204134	40.00	UG	-0.03
92) Perylene-d12	7.28	264	172002	40.00	UG	-0.04

System Monitoring Compounds

4) 2-Fluorophenol	1.82	112	262404	63.33	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 63.33%			
6) Phenol-d5	2.16	99	388389	76.06	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 76.06%			
24) Nitrobenzene-d5	2.56	82	166331	40.91	UG	-0.01
Spiked Amount 50.000	Range 32 - 111		Recovery = 81.82%			
47) 2-Fluorobiphenyl	3.31	172	356419	47.90	UG	-0.01
Spiked Amount 50.000	Range 36 - 136		Recovery = 95.80%			
70) 2,4,6-Tribromophenol	3.96	330	80084	74.82	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 74.82%			
84) Terphenyl-d14	5.14	244	282186	61.27	UG	-0.02
Spiked Amount 50.000	Range 42 - 134		Recovery = 122.54%			

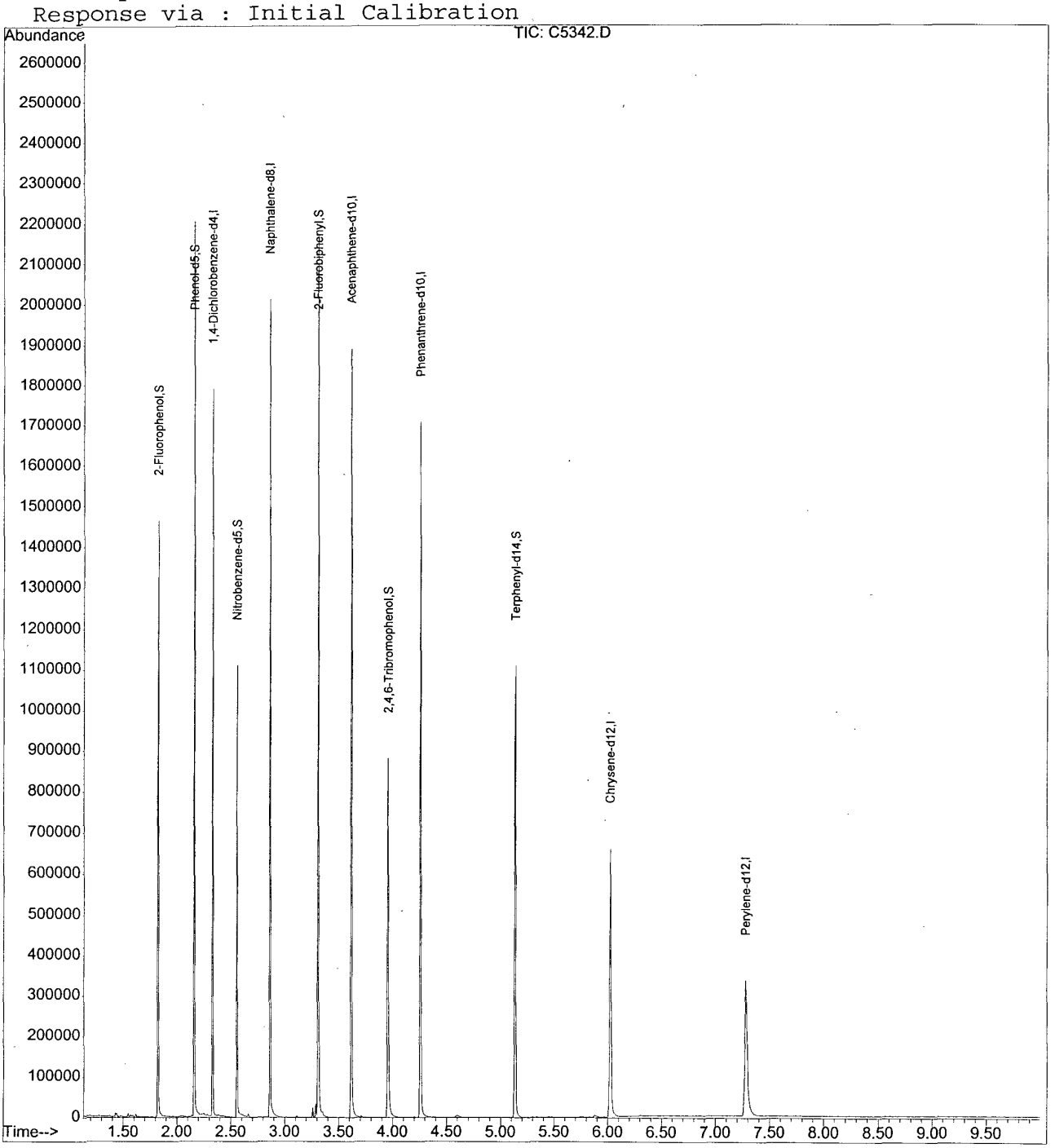
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-25-03\C5342.D Vial: 1
Acq On : 25 Feb 2003 15:32 Operator: CH
Sample : .,Method-blk,S,30g,0,02/25/03 Inst : MSD_C
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 7:00 2003 Quant Results File: CS0203.RES

Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Last Update : Fri Jan 31 14:16:25 2003
Response via : Initial Calibration



0363

302701

Library Search Compound Report

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Data File : C:\MSDCHEM\1\DATA\02-25-03\C5342.D          Vial: 1
Acq On    : 25 Feb 2003  15:32                       Operator: CH
Sample    : .,Method-blk,S,30g,0,02/25/03            Inst    : MSD_C
Misc      : NA,NA,NA,1                               Multiplr: 1.00
MS Integration Params: Lscint.p
Quant Method : C:\MSDCHEM\1\METHODS\CS0203.M (RTE Integrator)
Title        : BNA CALIBRATION METHOD
Library      : C:\DATABASE\NIST98.L
```

No Library Search Compounds Detected

****

C5342.D CS0203.M Wed Feb 26 11:25:20 2003 MSD_C

PCB METHOD BLANK SUMMARY

Lab File ID: R9612.D

Instrument ID: GC-R

Date Extracted: 02/24/2003

Matrix: AQUEOUS

Date Analyzed: 02/25/2003

Time Analyzed: 06:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	01304-001	02/25/2003	07:01
FB022103	01329-013	02/25/2003	07:28
FB-1	01340-006	02/25/2003	07:54
INFLUENT	01323-001	02/25/2003	08:20
MIDFLUENT	01323-002	02/25/2003	08:46
EFFLUENT	01323-003	02/25/2003	09:13
MW-3	01340-008	02/25/2003	09:39
VPM_SURFACE	01344-001	02/25/2003	10:05
VPM_MID	01344-002	02/25/2003	10:31
VPS_SURFACE	01344-003	02/25/2003	10:58
VPS_MID	01344-004	02/25/2003	11:24
VPN_SURFACE	01344-005	02/25/2003	11:50
VPN_MID	01344-006	02/25/2003	12:16
FB	01344-007	02/25/2003	12:43
S-1	01315-001	02/25/2003	13:09
FB-1	01315-003	02/25/2003	13:36
FIELD_BLANK	01327-001	02/25/2003	14:02
EXP_02/06/0	01345-001	02/25/2003	14:28
PCB	01304-001-MS2	02/25/2003	14:54
PCB	01304-001-MSD2	02/25/2003	15:21
PCB	PBW0224-MS2	02/25/2003	15:47

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0224-BLK2
Client ID: (1304.1345)
Date Received: NA
Date Extracted: 02/24/2003
Date Analyzed: 02/25/2003
Data file: R9612.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-μg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.020
Aroclor-1221	ND		0.020
Aroclor-1232	ND		0.020
Aroclor-1242	ND		0.020
Aroclor-1248	ND		0.020
Aroclor-1254	ND		0.020
Aroclor-1260	ND		0.020

PCB METHOD BLANK SUMMARY

Lab File ID: R9666.D

Instrument ID: GC-R

Date Extracted: 02/25/2003

Matrix: SOIL

Date Analyzed: 02/26/2003

Time Analyzed: 10:19

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T24-23/	01327-003	02/26/2003	10:46
SB-T24-0/	01327-004	02/26/2003	11:12
SB-T26-0/	01327-005	02/26/2003	11:38
SB-T26-8.5/	01327-006	02/26/2003	12:05
SB-T26-30.5	01327-007	02/26/2003	12:31
SB-X11-0/0-	01327-008	02/26/2003	12:57
SB-X11-10.5	01327-009	02/26/2003	13:23
SB-X11-26.5	01327-010	02/26/2003	13:50
PCB	01327-010-MS1	02/26/2003	14:16
PCB	01327-010-MSD1	02/26/2003	14:43
PCB	PBS0225-MS1	02/26/2003	15:09
APR-50-23	01275-001	02/26/2003	15:35

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0225-BLK1
Client ID: (1327)
Date Received: NA
Date Extracted: 02/25/2003
Date Analyzed: 02/26/2003
Data file: R9666.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.016
Aroclor-1221	ND		0.016
Aroclor-1232	ND		0.016
Aroclor-1242	ND		0.016
Aroclor-1248	ND		0.016
Aroclor-1254	ND		0.016
Aroclor-1260	ND		0.016

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4847.D R4848.D R4849.D R4850.D R4851.D

Compound	RT OF STANDARDS 50	100	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	4.71	4.72	4.71	4.72	4.72	4.72	4.65	4.79
Aroclor-1016 {2}	6.11	6.11	6.11	6.11	6.11	6.11	6.04	6.18
Aroclor-1016 {3}	7.07	7.07	7.07	7.07	7.07	7.07	7.00	7.14
Aroclor-1016 {4}	7.87	7.88	7.87	7.88	7.88	7.88	7.81	7.95
Aroclor-1016 {5}	8.33	8.33	8.32	8.33	8.33	8.33	8.26	8.40
Aroclor-1221			2.99				2.92	3.06
Aroclor-1221 {2}			4.39				4.32	4.46
Aroclor-1221 {3}			4.60				4.53	4.67
Aroclor-1221 {4}			4.72				4.65	4.79
Aroclor-1221 {5}			5.71				5.64	5.78
Aroclor-1232			4.72				4.65	4.79
Aroclor-1232 {2}			6.11				6.04	6.18
Aroclor-1232 {3}			7.07				7.00	7.14
Aroclor-1232 {4}			7.88				7.81	7.95
Aroclor-1232 {5}			8.68				8.61	8.75
Aroclor-1242			6.11				6.04	6.18
Aroclor-1242 {2}			7.88				7.81	7.95
Aroclor-1242 {3}			8.43				8.36	8.50
Aroclor-1242 {4}			9.59				9.52	9.66
Aroclor-1242 {5}			10.09				10.02	10.16
Aroclor-1248			6.81				6.74	6.88
Aroclor-1248 {2}			7.88				7.81	7.95
Aroclor-1248 {3}			8.42				8.35	8.49
Aroclor-1248 {4}			9.59				9.52	9.66
Aroclor-1248 {5}			10.09				10.02	10.16
Aroclor-1254			10.32				10.25	10.39
Aroclor-1254 {2}			11.13				11.06	11.20
Aroclor-1254 {3}			11.43				11.36	11.50
Aroclor-1254 {4}			12.26				12.19	12.33
Aroclor-1254 {5}			13.84				13.77	13.91
Aroclor-1260	13.83	13.83	13.83	13.83	13.83	13.83	13.76	13.90
Aroclor-1260 {2}	14.39	14.39	14.39	14.39	14.39	14.39	14.32	14.46
Aroclor-1260 {3}	16.02	16.02	16.01	16.01	16.01	16.02	15.95	16.09
Aroclor-1260 {4}	16.93	16.93	16.93	16.92	16.93	16.93	16.86	17.00
Aroclor-1260 {5}	18.96	18.96	18.95	18.95	18.96	18.96	18.89	19.03

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4847.D R4848.D R4849.D R4850.D R4851.D

Compound	CALIBRATION FACTORS 50	100	500	1000	2000	MEAN	%RSD
Aroclor-1016	210564	227512	198359	196823	186725	203996	7.66
Aroclor-1016 {2}	281539	305819	266453	273755	256654	276844	6.73
Aroclor-1016 {3}	390325	417688	359936	358151	340912	373402	8.16
Aroclor-1016 {4}	198047	214684	188618	182390	173718	191491	8.21
Aroclor-1016 {5}	263181	284398	249648	245030	234966	255445	7.48
Aroclor-1221			74372				
Aroclor-1221 {2}			105179				
Aroclor-1221 {3}			93921				
Aroclor-1221 {4}			258175				
Aroclor-1221 {5}			50327				
Aroclor-1232			192613				
Aroclor-1232 {2}			114134				
Aroclor-1232 {3}			149114				
Aroclor-1232 {4}			81589				
Aroclor-1232 {5}			141791				
Aroclor-1242			189177				
Aroclor-1242 {2}			127998				
Aroclor-1242 {3}			147102				
Aroclor-1242 {4}			259769				
Aroclor-1242 {5}			231720				
Aroclor-1248			565158				
Aroclor-1248 {2}			211552				
Aroclor-1248 {3}			177862				
Aroclor-1248 {4}			445789				
Aroclor-1248 {5}			440432				
Aroclor-1254			503444				
Aroclor-1254 {2}			411747				
Aroclor-1254 {3}			742480				
Aroclor-1254 {4}			580022				
Aroclor-1254 {5}			670892				
Aroclor-1260	828218	857275	792022	807810	786101	814285	3.57
Aroclor-1260 {2}	515303	531084	472205	459621	431326	481908	8.48
Aroclor-1260 {3}	1194827	1243438	1185339	1221756	1162736	1201619	2.62
Aroclor-1260 {4}	553312	594880	567033	592189	583409	578165	3.05
Aroclor-1260 {5}	330689	342344	318173	335497	340654	333471	2.91
					Average %RSD		5.89

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R4847.C R4848.C R4849.C R4850.C R4851.C

Compound	RT OF STANDARDS 50	100	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	4.63	4.63	4.63	4.63	4.63	4.63	4.56	4.70
Aroclor-1016 {2}	5.51	5.51	5.52	5.51	5.51	5.51	5.44	5.58
Aroclor-1016 {3}	6.69	6.69	6.70	6.69	6.69	6.69	6.62	6.76
Aroclor-1016 {4}	7.03	7.03	7.03	7.03	7.03	7.03	6.96	7.10
Aroclor-1016 {5}	7.31	7.32	7.32	7.31	7.31	7.32	7.25	7.39
Aroclor-1221			2.87				2.80	2.94
Aroclor-1221 {2}			4.17				4.10	4.24
Aroclor-1221 {3}			4.50				4.43	4.57
Aroclor-1221 {4}			4.63				4.56	4.70
Aroclor-1221 {5}			5.88				5.81	5.95
Aroclor-1232			4.63				4.56	4.70
Aroclor-1232 {2}			6.10				6.03	6.17
Aroclor-1232 {3}			7.03				6.96	7.10
Aroclor-1232 {4}			7.32				7.25	7.39
Aroclor-1232 {5}			8.33				8.26	8.40
Aroclor-1242			5.99				5.92	6.06
Aroclor-1242 {2}			7.32				7.25	7.39
Aroclor-1242 {3}			8.33				8.26	8.40
Aroclor-1242 {4}			9.55				9.48	9.62
Aroclor-1242 {5}			10.24				10.17	10.31
Aroclor-1248			6.69				6.62	6.76
Aroclor-1248 {2}			7.67				7.60	7.74
Aroclor-1248 {3}			8.33				8.26	8.40
Aroclor-1248 {4}			8.59				8.52	8.66
Aroclor-1248 {5}			9.19				9.12	9.26
Aroclor-1254			10.26				10.19	10.33
Aroclor-1254 {2}			11.11				11.04	11.18
Aroclor-1254 {3}			12.22				12.15	12.29
Aroclor-1254 {4}			12.65				12.58	12.72
Aroclor-1254 {5}			13.72				13.65	13.79
Aroclor-1260	12.65	12.64	12.65	12.64	12.64	12.64	12.57	12.71
Aroclor-1260 {2}	13.85	13.85	13.85	13.85	13.85	13.85	13.78	13.92
Aroclor-1260 {3}	14.82	14.82	14.82	14.82	14.82	14.82	14.75	14.89
Aroclor-1260 {4}	15.77	15.77	15.77	15.77	15.77	15.77	15.70	15.84
Aroclor-1260 {5}	18.82	18.82	18.82	18.82	18.81	18.82	18.75	18.89

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R4847.C R4848.C R4849.C R4850.C R4851.C

Compound	CALIBRATION FACTORS 50	100	500	1000	2000	MEAN	%RSD
Aroclor-1016	308659	310585	274098	263540	246106	280598	10.10
Aroclor-1016 {2}	664559	649092	508527	487518	448481	551635	17.87
Aroclor-1016 {3}	1304218	1323480	1073750	1045354	996406	1148642	13.36
Aroclor-1016 {4}	603988	574941	493428	518141	433758	524851	12.82
Aroclor-1016 {5}	503457	515866	414646	392984	368385	439068	15.18
Aroclor-1221			111062				
Aroclor-1221 {2}			129520				
Aroclor-1221 {3}			93628				
Aroclor-1221 {4}			349991				
Aroclor-1221 {5}			27410				
Aroclor-1232			268268				
Aroclor-1232 {2}			111408				
Aroclor-1232 {3}			203010				
Aroclor-1232 {4}			179444				
Aroclor-1232 {5}			249431				
Aroclor-1242			132228				
Aroclor-1242 {2}			288302				
Aroclor-1242 {3}			370314				
Aroclor-1242 {4}			392782				
Aroclor-1242 {5}			281413				
Aroclor-1248			700185				
Aroclor-1248 {2}			868960				
Aroclor-1248 {3}			590367				
Aroclor-1248 {4}			529560				
Aroclor-1248 {5}			379617				
Aroclor-1254			353770				
Aroclor-1254 {2}			475807				
Aroclor-1254 {3}			728310				
Aroclor-1254 {4}			484441				
Aroclor-1254 {5}			1014677				
Aroclor-1260	990237	975912	790800	766961	732459	851274	14.35
Aroclor-1260 {2}	820240	806286	644307	619299	590200	696066	15.63
Aroclor-1260 {3}	855075	840670	695738	684051	662692	747645	12.36
Aroclor-1260 {4}	1821514	1863951	1615368	1627548	1595194	1704715	7.47
Aroclor-1260 {5}	538582	520952	473766	471018	460676	492999	7.00
					Average %RSD		12.61

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-R

Data File: R9611.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	219292	7.50
Aroclor-1016 {2}	6.11	6.04	6.18	276844	295273	6.66
Aroclor-1016 {3}	7.07	7.00	7.14	373402	392822	5.20
Aroclor-1016 {4}	7.88	7.81	7.95	191491	203009	6.01
Aroclor-1016 {5}	8.33	8.26	8.40	255445	270508	5.90
Aroclor-1260	13.84	13.77	13.91	814285	864264	6.14
Aroclor-1260 {2}	14.39	14.32	14.46	481908	383605	20.40
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1283605	6.82
Aroclor-1260 {4}	16.93	16.86	17.00	578165	613971	6.19
Aroclor-1260 {5}	18.95	18.88	19.02	333471	331068	0.72
					Average %D	7.15

Data File: R9611.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	302608	7.84
Aroclor-1016 {2}	5.51	5.44	5.58	551635	557188	1.01
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1153460	0.42
Aroclor-1016 {4}	7.03	6.96	7.10	524851	514505	1.97
Aroclor-1016 {5}	7.32	7.25	7.39	439068	424450	3.33
Aroclor-1260	12.64	12.57	12.71	851274	874851	2.77
Aroclor-1260 {2}	13.85	13.78	13.92	696066	702782	0.96
Aroclor-1260 {3}	14.82	14.75	14.89	747645	762788	2.03
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1771867	3.94
Aroclor-1260 {5}	18.81	18.74	18.88	492999	501014	1.63
					Average %D	2.59

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-R

Data File: R9634.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	213361	4.59
Aroclor-1016 {2}	6.11	6.04	6.18	276844	287078	3.70
Aroclor-1016 {3}	7.07	7.00	7.14	373402	381191	2.09
Aroclor-1016 {4}	7.88	7.81	7.95	191491	196788	2.77
Aroclor-1016 {5}	8.33	8.26	8.40	255445	262773	2.87
Aroclor-1260	13.84	13.77	13.91	814285	833783	2.39
Aroclor-1260 {2}	14.39	14.32	14.46	481908	377603	21.64
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1239100	3.12
Aroclor-1260 {4}	16.93	16.86	17.00	578165	595510	3.00
Aroclor-1260 {5}	18.96	18.89	19.03	333471	326866	1.98
					Average %D	4.81

Data File: R9634.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	308559	9.96
Aroclor-1016 {2}	5.51	5.44	5.58	551635	560714	1.65
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1172153	2.05
Aroclor-1016 {4}	7.03	6.96	7.10	524851	613078	16.81
Aroclor-1016 {5}	7.32	7.25	7.39	439068	463454	5.55
Aroclor-1260	12.64	12.57	12.71	851274	856477	0.61
Aroclor-1260 {2}	13.85	13.78	13.92	696066	693700	0.34
Aroclor-1260 {3}	14.82	14.75	14.89	747645	748463	0.11
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1727092	1.31
Aroclor-1260 {5}	18.81	18.74	18.88	492999	498136	1.04
					Average %D	3.94

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/26/2003 Instrument ID: GC-R

Data File: R9664.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.70	4.63	4.77	203996	217507	6.62
Aroclor-1016 {2}	6.10	6.03	6.17	276844	295658	6.80
Aroclor-1016 {3}	7.05	6.98	7.12	373402	391977	4.97
Aroclor-1016 {4}	7.86	7.79	7.93	191491	201191	5.07
Aroclor-1016 {5}	8.32	8.25	8.39	255445	268368	5.06
Aroclor-1260	13.82	13.75	13.89	814285	886232	8.84
Aroclor-1260 {2}	14.38	14.31	14.45	481908	383848	20.35
Aroclor-1260 {3}	16.00	15.93	16.07	1201619	1320994	9.93
Aroclor-1260 {4}	16.91	16.84	16.98	578165	631829	9.28
Aroclor-1260 {5}	18.94	18.87	19.01	333471	336704	0.97
					Average %D	7.79

Data File: R9664.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	294406	4.92
Aroclor-1016 {2}	5.52	5.45	5.59	551635	551710	0.01
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1164301	1.36
Aroclor-1016 {4}	7.03	6.96	7.10	524851	560879	6.86
Aroclor-1016 {5}	7.32	7.25	7.39	439068	424733	3.26
Aroclor-1260	12.64	12.57	12.71	851274	847915	0.39
Aroclor-1260 {2}	13.85	13.78	13.92	696066	678403	2.54
Aroclor-1260 {3}	14.82	14.75	14.89	747645	745385	0.30
Aroclor-1260 {4}	15.76	15.69	15.83	1704715	1721167	0.97
Aroclor-1260 {5}	18.81	18.74	18.88	492999	462482	6.19
					Average %D	2.68

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/26/2003 Instrument ID: GC-R

Data File: R9679.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.72	4.65	4.79	203996	215103	5.44
Aroclor-1016 {2}	6.11	6.04	6.18	276844	293573	6.04
Aroclor-1016 {3}	7.07	7.00	7.14	373402	395573	5.94
Aroclor-1016 {4}	7.88	7.81	7.95	191491	205037	7.07
Aroclor-1016 {5}	8.33	8.26	8.40	255445	272589	6.71
Aroclor-1260	13.84	13.77	13.91	814285	856745	5.21
Aroclor-1260 {2}	14.39	14.32	14.46	481908	377602	21.64
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1275054	6.11
Aroclor-1260 {4}	16.93	16.86	17.00	578165	612698	5.97
Aroclor-1260 {5}	18.96	18.89	19.03	333471	334398	0.28
					Average %D	7.04

Data File: R9679.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.63	4.56	4.70	280598	305201	8.77
Aroclor-1016 {2}	5.51	5.44	5.58	551635	560903	1.68
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1198118	4.31
Aroclor-1016 {4}	7.03	6.96	7.10	524851	581844	10.86
Aroclor-1016 {5}	7.32	7.25	7.39	439068	440499	0.33
Aroclor-1260	12.64	12.57	12.71	851274	896944	5.36
Aroclor-1260 {2}	13.85	13.78	13.92	696066	705940	1.42
Aroclor-1260 {3}	14.82	14.75	14.89	747645	771578	3.20
Aroclor-1260 {4}	15.76	15.69	15.83	1704715	1772572	3.98
Aroclor-1260 {5}	18.81	18.74	18.88	492999	501872	1.80
					Average %D	4.17

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/25/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(1304.1345)	0224-BLK2	AQUEOUS	63		39		61		46	
FIELD_BLANK	01304-001	AQUEOUS	57		44		63		49	
FB022103	01329-013	AQUEOUS	50		34		56		43	
FB-1	01340-006	AQUEOUS	58		40		65		49	
INFLUENT	01323-001	AQUEOUS	46		44		44		51	
MIDFLUENT	01323-002	AQUEOUS	38		45		47		50	
EFFLUENT	01323-003	AQUEOUS	46		40		49		48	
MW-3	01340-008	AQUEOUS	48		44		55		49	
VPM_SURFACE	01344-001	AQUEOUS	38		43		41		50	
VPM_MID	01344-002	AQUEOUS	41		49		45		49	
VPS_SURFACE	01344-003	AQUEOUS	52		43		55		52	
VPS_MID	01344-004	AQUEOUS	54		45		58		51	
VPN_SURFACE	01344-005	AQUEOUS	50		50		55		53	
VPN_MID	01344-006	AQUEOUS	50		43		54		51	
FB	01344-007	AQUEOUS	63		45		71		53	
S-1	01315-001	AQUEOUS	45		45		50		53	
FB-1	01315-003	AQUEOUS	56		42		63		49	
FIELD_BLANK	01327-001	AQUEOUS	56		40		63		49	
EXP_02/06/0	01345-001	AQUEOUS	52		38		60		47	
PCB	01304-001-MS2	AQUEOUS	62		39		60		46	
PCB	01304-001-MSD2	AQUEOUS	63		39		61		47	
PCB	PBW0224-MS2	AQUEOUS	65		41		63		48	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(1327)	0225-BLK1	SOIL	64		39		61		44	
SB-T24-23/	01327-003	SOIL	68		44		69		49	
SB-T24-0/	01327-004	SOIL	59		33		50		37	
SB-T26-0/	01327-005	SOIL	63		40		66		60	
SB-T26-8.5/	01327-006	SOIL	57		41		58		45	
SB-T26-30.5	01327-007	SOIL	122		78		117		109	
SB-X11-0/0-	01327-008	SOIL	67		43		70		47	
SB-X11-10.5	01327-009	SOIL	56		42		55		50	
SB-X11-26.5	01327-010	SOIL	66		43		68		57	
PCB	01327-010-MS1	SOIL	60		41		63		44	
PCB	01327-010-MSD1	SOIL	59		38		62		44	
PCB	PBS0225-MS1	SOIL	63		39		62		46	
APR-50-23	01275-001	SOIL	68		42		67		49	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01304-001-MSD2

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.5	90	52 - 141
Aroclor-1260	5.0	0.0	4.9	98	49 - 162

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	4.4	88	2	15	52 - 141
Aroclor-1260	0.0	4.7	94	4	19	49 - 162

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBW0224-MS2

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.5	90	52 - 141
Aroclor-1260	5.0	0.0	4.9	98	49 - 162

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01327-010-MSD1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.4	88	58 - 140
Aroclor-1260	5.0	0.0	4.8	96	56 - 161

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	4.3	86	2	14	58 - 140
Aroclor-1260	0.0	4.7	94	2	18	56 - 161

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBS0225-MS1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	5.0	0.0	4.4	88	58 - 140
Aroclor-1260	5.0	0.0	4.7	94	56 - 161

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.97 **DCB 1** 21.04 **TCMX 2** 3.42 **DCB 2** 20.01

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(1304.1345)	0224-BLK2	02/25/2003	06:35	3.97		21.04		3.42		20.01	
FIELD_BLANK	01304-001	02/25/2003	07:01	3.97		21.04		3.42		20.01	
FB022103	01329-013	02/25/2003	07:28	3.97		21.04		3.42		20.01	
FB-1	01340-006	02/25/2003	07:54	3.97		21.04		3.42		20.01	
INFLUENT	01323-001	02/25/2003	08:20	3.97		21.04		3.42		20.01	
MIDFLUENT	01323-002	02/25/2003	08:46	3.96		21.03		3.42		20.01	
EFFLUENT	01323-003	02/25/2003	09:13	3.97		21.04		3.42		20.01	
MW-3	01340-008	02/25/2003	09:39	3.97		21.04		3.42		20.00	
VPM_SURFACE	01344-001	02/25/2003	10:05	3.97		21.03		3.42		20.01	
VPM_MID	01344-002	02/25/2003	10:31	3.97		21.04		3.42		20.01	
VPS_SURFACE	01344-003	02/25/2003	10:58	3.97		21.04		3.42		20.01	
VPS_MID	01344-004	02/25/2003	11:24	3.97		21.04		3.42		20.01	
VPN_SURFACE	01344-005	02/25/2003	11:50	3.97		21.04		3.42		20.01	
VPN_MID	01344-006	02/25/2003	12:16	3.97		21.04		3.42		20.01	
FB	01344-007	02/25/2003	12:43	3.97		21.04		3.42		20.01	
S-1	01315-001	02/25/2003	13:09	3.97		21.04		3.42		20.01	
FB-1	01315-003	02/25/2003	13:36	3.97		21.04		3.42		20.01	
FIELD_BLANK	01327-001	02/25/2003	14:02	3.97		21.04		3.42		20.01	
EXP_02/06/0	01345-001	02/25/2003	14:28	3.97		21.04		3.42		20.01	
PCB	01304-001-MS2	02/25/2003	14:54	3.97		21.04		3.42		20.01	
PCB	01304-001-MSD2	02/25/2003	15:21	3.97		21.04		3.42		20.01	
PCB	PBW0224-MS2	02/25/2003	15:47	3.97		21.04		3.42		20.01	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

 # Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.96 **DCB 1** 21.03 **TCMX 2** 3.42 **DCB 2** 20.01

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(1327)	0225-BLK1	02/26/2003	10:19	3.96		21.03		3.42		20.01	
SB-T24-23/	01327-003	02/26/2003	10:46	3.97		21.04		3.42		20.00	
SB-T24-0/	01327-004	02/26/2003	11:12	3.96		21.03		3.42		20.00	
SB-T26-0/	01327-005	02/26/2003	11:38	3.97		21.04		3.42		20.01	
SB-T26-8.5/	01327-006	02/26/2003	12:05	3.97		21.04		3.42		20.00	
SB-T26-30.5	01327-007	02/26/2003	12:31	3.97		21.04		3.42		20.01	
SB-X11-0/0-	01327-008	02/26/2003	12:57	3.97		21.04		3.42		20.01	
SB-X11-10.5	01327-009	02/26/2003	13:23	3.97		21.04		3.42		20.00	
SB-X11-26.5	01327-010	02/26/2003	13:50	3.97		21.04		3.42		20.01	
PCB	01327-010-MS1	02/26/2003	14:16	3.97		21.04		3.42		20.01	
PCB	01327-010-MSD1	02/26/2003	14:43	3.97		21.04		3.42		20.01	
PCB	PBS0225-MS1	02/26/2003	15:09	3.97		21.04		3.42		20.01	
APR-50-23	01275-001	02/26/2003	15:35	3.97		21.04		3.42		20.01	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9629.D\ECD1B.CH Vial: 63
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9629.D\ECD2A.CH
Acq On : 25 Feb 2003 14:02 Operator: MJ
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 14:25:52 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	118.0E6	178.3E6	5.568	6.275
Spiked Amount 100.000	Range 75 - 125		Recovery =		5.57%#	6.28%#
2) S DCB	21.04	20.01	40735406	54632748	3.959	4.950 #
Spiked Amount 100.000			Recovery =		3.96%	4.95%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

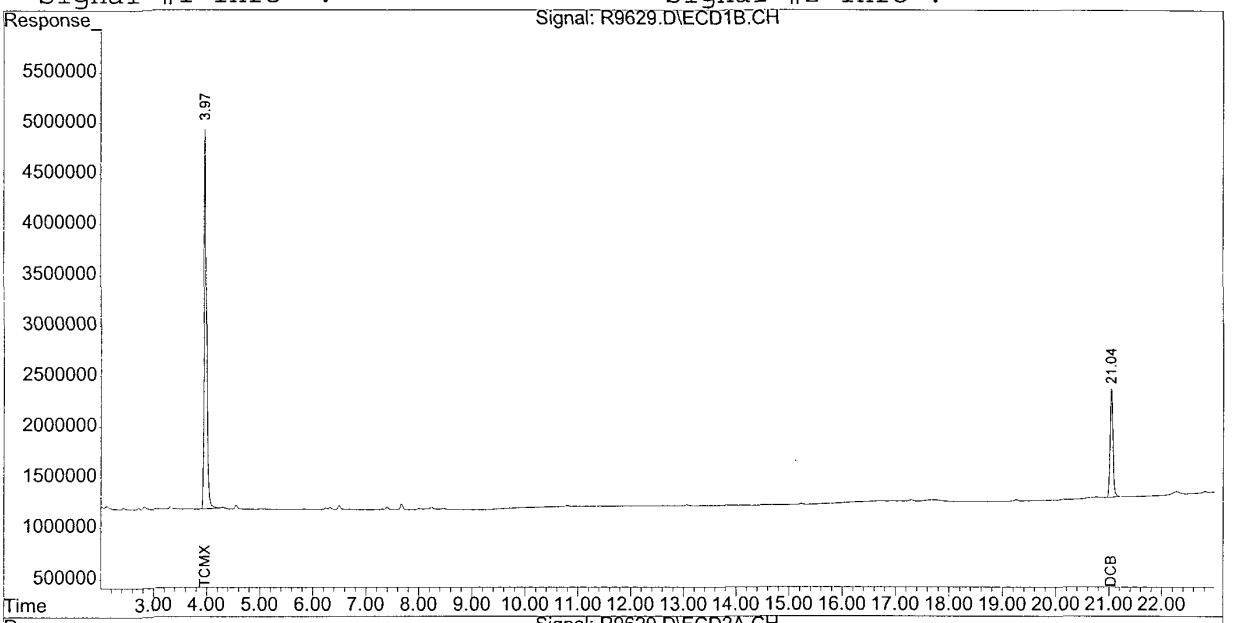
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

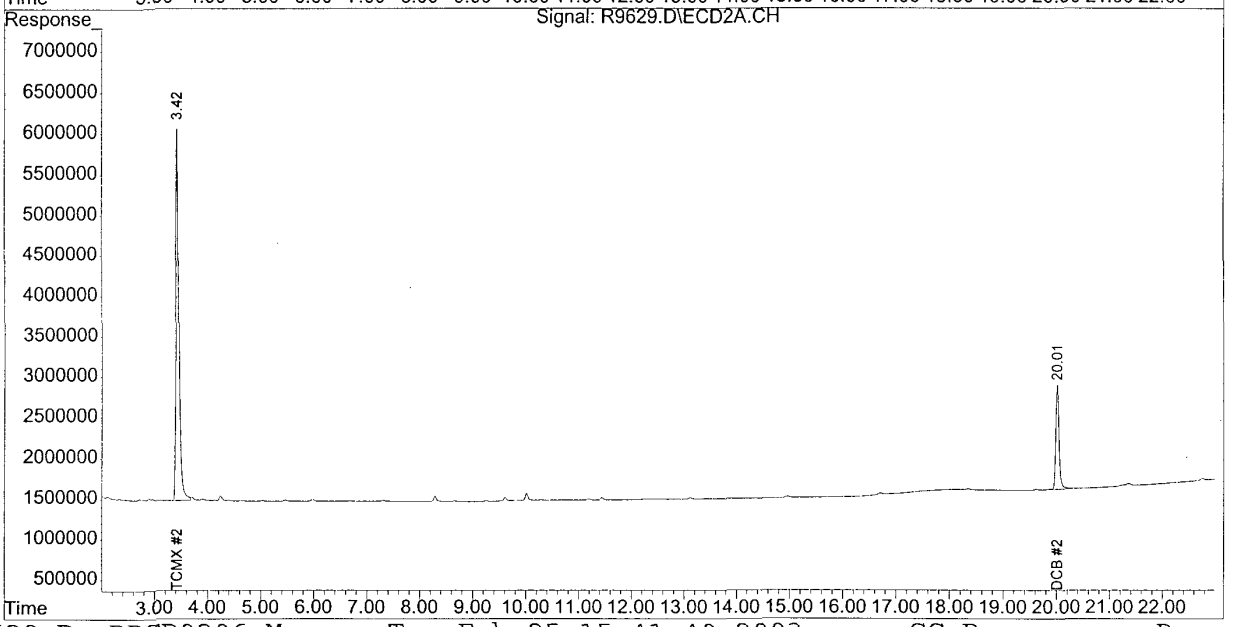
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9629.D\ECD1B.CH Vial: 63
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9629.D\ECD2A.CH
Acq On : 25 Feb 2003 14:02 Operator: MJ
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 14:26 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9667.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9667.D\ECD2A.CH
Acq On : 26 Feb 2003 10:46 Operator: MJ
Sample : SB-T24-23/,01327-003,S,5.14g,38.4,02/25/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 11:09:46 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1444.6E6	1965.2E6	68.150	69.157
Spiked Amount 100.000 Range 75 - 125 Recovery =					68.15%#	69.16%#
2) S DCB	21.04	20.00	453.1E6	541.4E6	44.038	49.052
Spiked Amount 100.000 Recovery =					44.04%	49.05%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

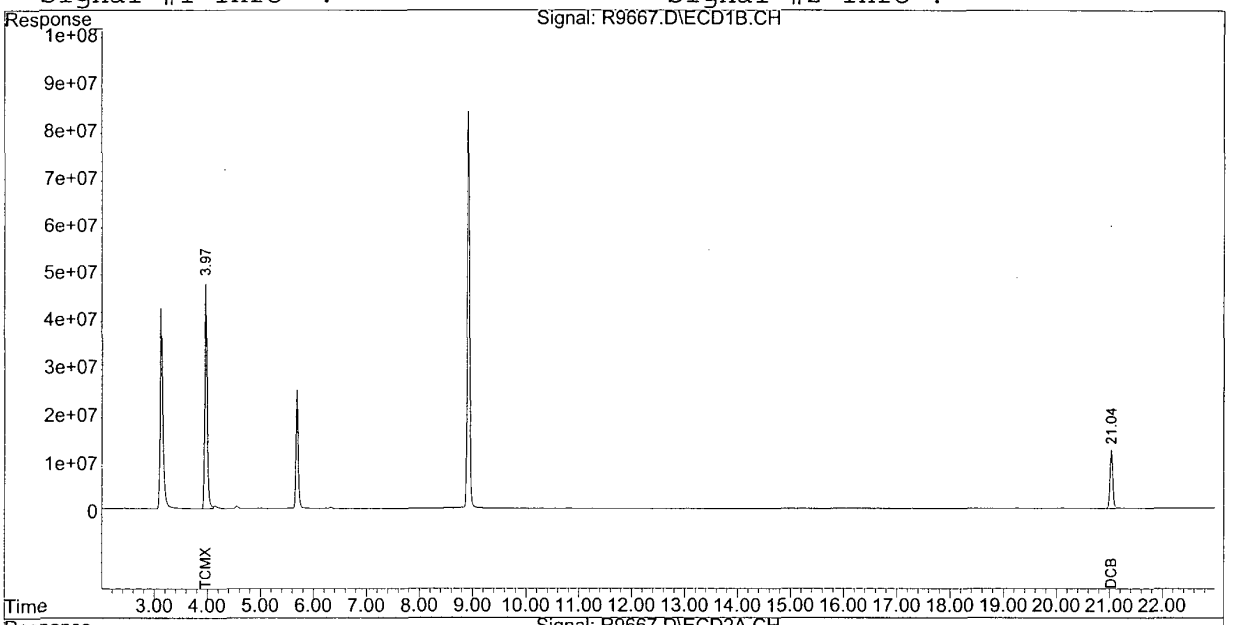
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

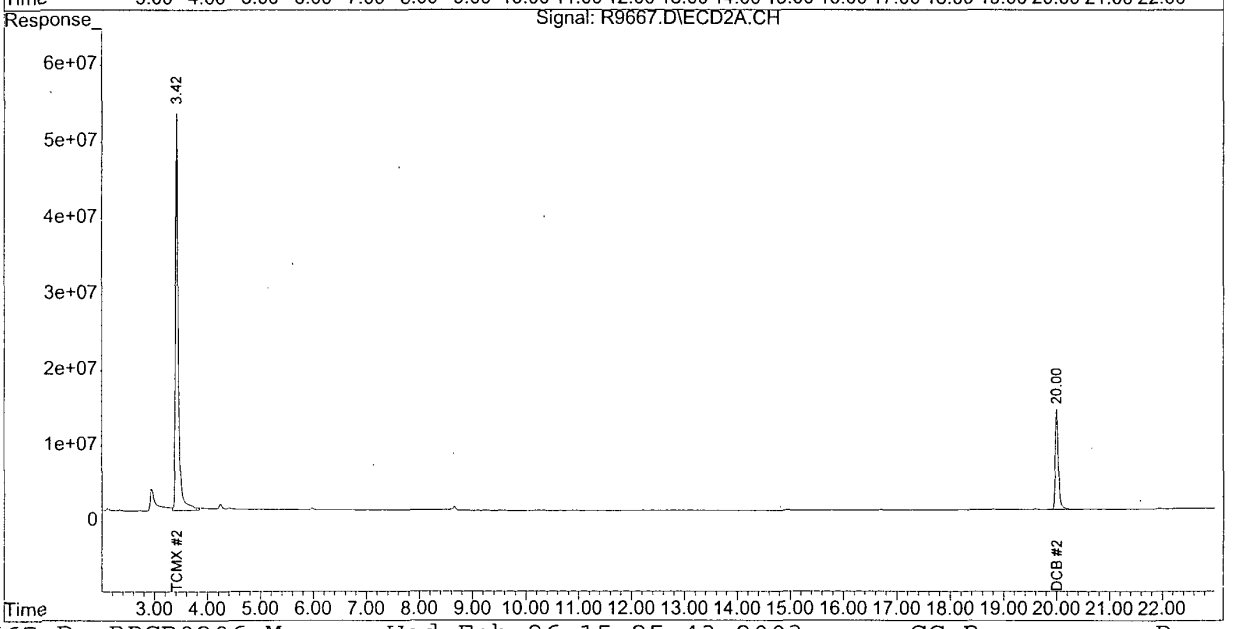
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9667.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9667.D\ECD2A.CH
Acq On : 26 Feb 2003 10:46 Operator: MJ
Sample : SB-T24-23/,01327-003,S,5.14g,38.4,02/25/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 11:29 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9668.D\ECD1B.CH Vial: 16
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9668.D\ECD2A.CH
Acq On : 26 Feb 2003 11:12 Operator: MJ
Sample : SB-T24-0/,01327-004,S,5.30g,15.9,02/25/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 11:35:54 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.96	3.42	1246.2E6	1428.9E6	58.790	50.282m
Spiked Amount 100.000 Range 75 - 125 Recovery =					58.79%#	50.28%#
2) S DCB	21.03	20.00	343.2E6	411.5E6	33.353	37.283
Spiked Amount 100.000 Recovery =					33.35%	37.28%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.83	12.64	116.0E6	134.3E6	142.490	157.721
34) L8 Aroclor-1260 {2}	14.39	13.85	49208997	89080135	102.113	127.976 #
35) L8 Aroclor-1260 {3}	16.01	14.81	126.0E6	91004048	104.864	121.721
36) L8 Aroclor-1260 {4}	16.91	15.76	74160181	176.3E6	128.268	103.405
37) L8 Aroclor-1260 {5}	18.94	18.80	30822032	44558936	92.428	90.383
Sum Aroclor-1260			396.2E6	535.2E6	570.163	601.207
Average Aroclor-1260					114.033	120.241

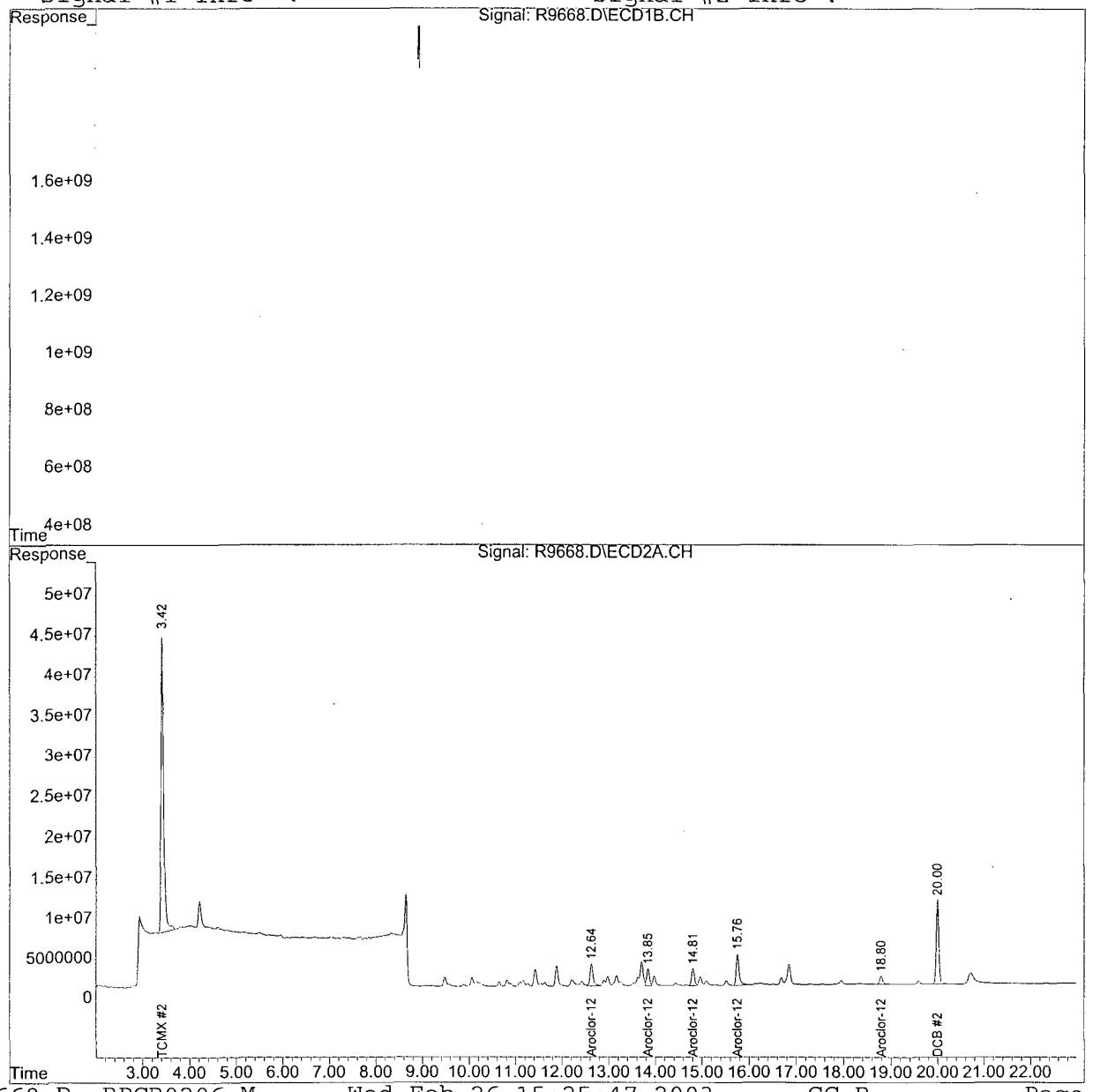
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9668.D\ECD1B.CH Vial: 16
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9668.D\ECD2A.CH
Acq On : 26 Feb 2003 11:12 Operator: MJ
Sample : SB-T24-0/,01327-004,S,5.30g,15.9,02/25/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 11:46 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

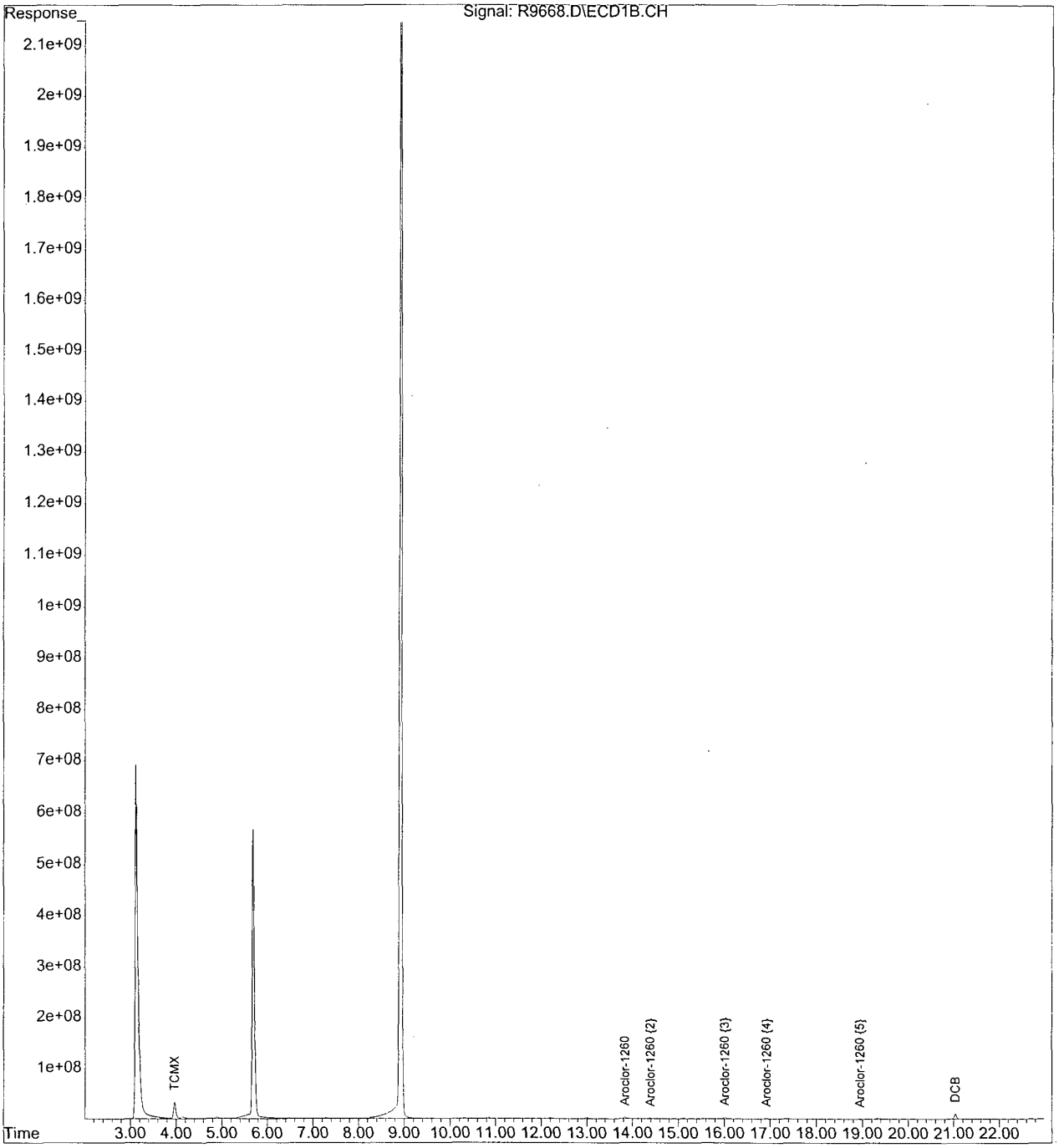
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



0390

302728

File : C:\MSDCHEM\1\DATA\02-26-03\R9668.D
Operator : MJ
Acquired : 26 Feb 2003 11:12 using AcqMethod RPCB0206.M
Instrument : GC_R
Sample Name: SB-T24-0/,01327-004,S,5.30g,15.9,02/25/03,4
Misc Info : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1
Vial Number: 16



Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9669.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9669.D\ECD2A.CH
Acq On : 26 Feb 2003 11:38 Operator: MJ
Sample : SB-T26-0/,01327-005,S,5.54g,10.5,02/25/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 12:02:08 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1342.4E6	1883.3E6	63.331	66.275
Spiked Amount 100.000	Range 75 - 125		Recovery =		63.33%#	66.28%#
2) S DCB	21.04	20.01	411.7E6	662.5E6	40.015	60.024 #
Spiked Amount 100.000			Recovery =		40.02%	60.02%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

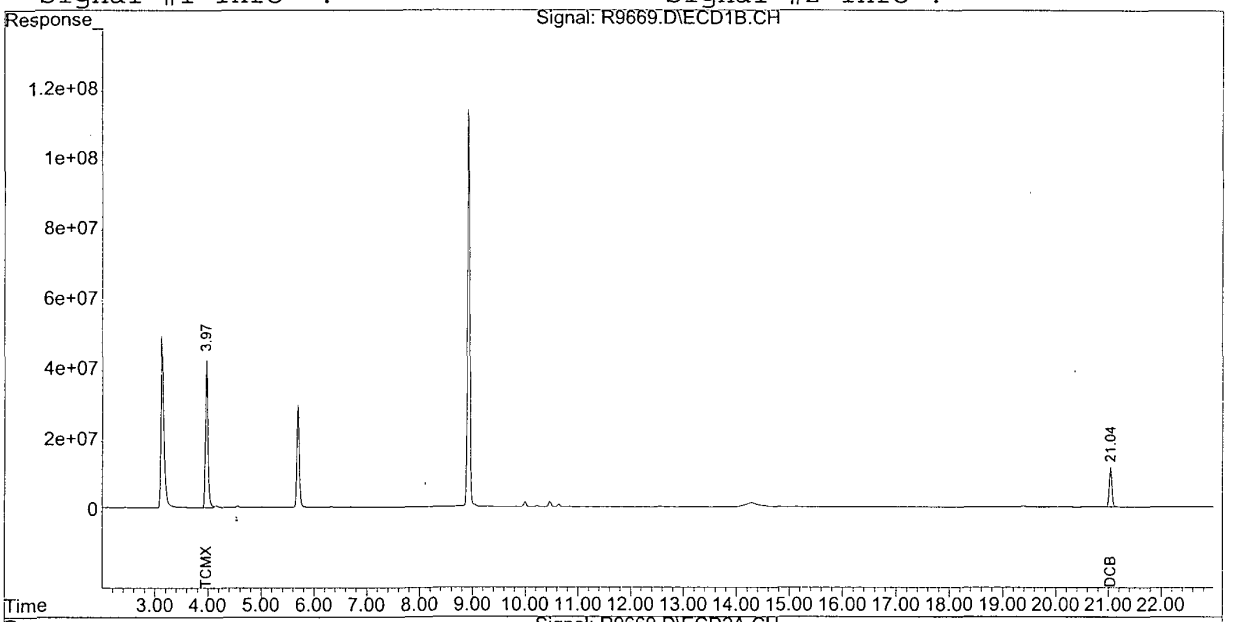
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

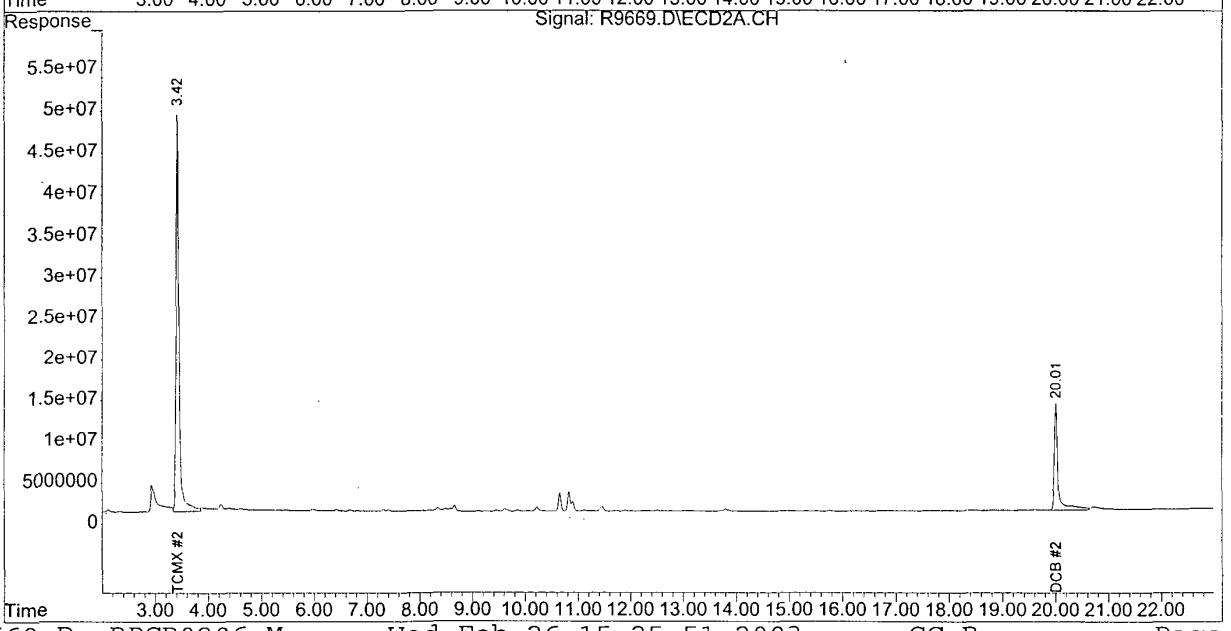
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9669.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9669.D\ECD2A.CH
Acq On : 26 Feb 2003 11:38 Operator: MJ
Sample : SB-T26-0/,01327-005,S,5.54g,10.5,02/25/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 12:04 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0393

302731

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9670.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9670.D\ECD2A.CH
Acq On : 26 Feb 2003 12:05 Operator: MJ
Sample : SB-T26-8.5/,01327-006,S,5.69g,19.4,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 12:28:26 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

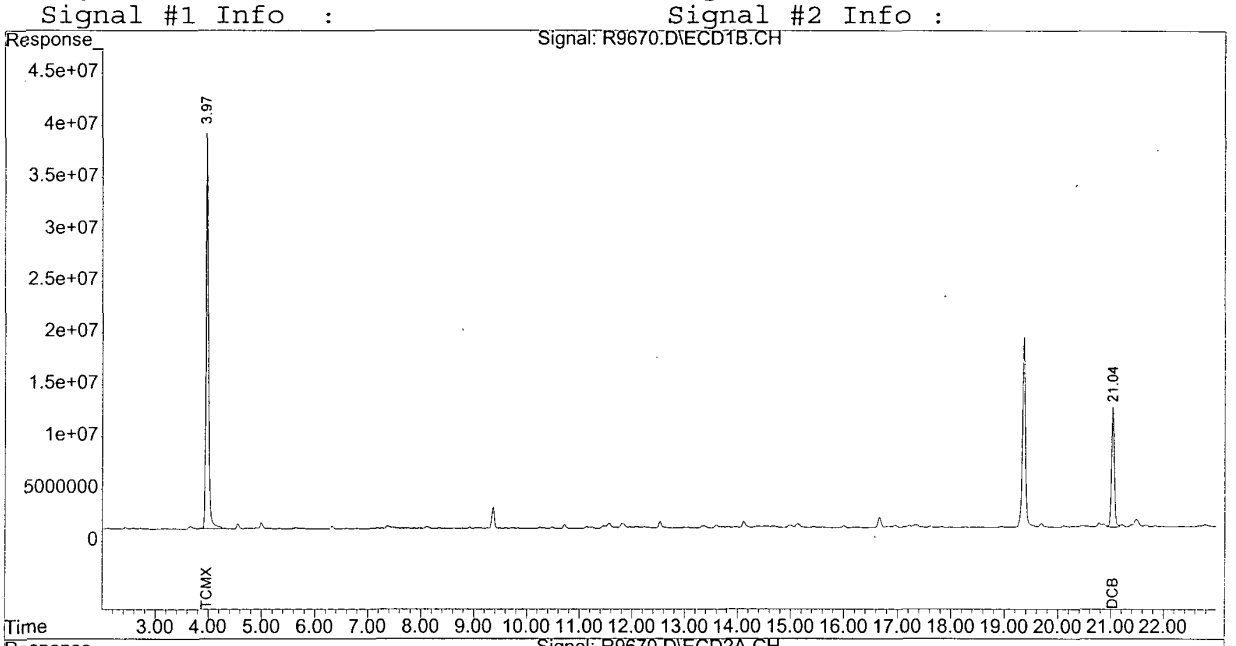
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1201.6E6	1655.0E6	56.687	58.240
Spiked Amount 100.000 Range 75 - 125 Recovery =					56.69%#	58.24%#
2) S DCB	21.04	20.00	420.1E6	494.6E6	40.824	44.811
Spiked Amount 100.000 Recovery =					40.82%	44.81%
Target 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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

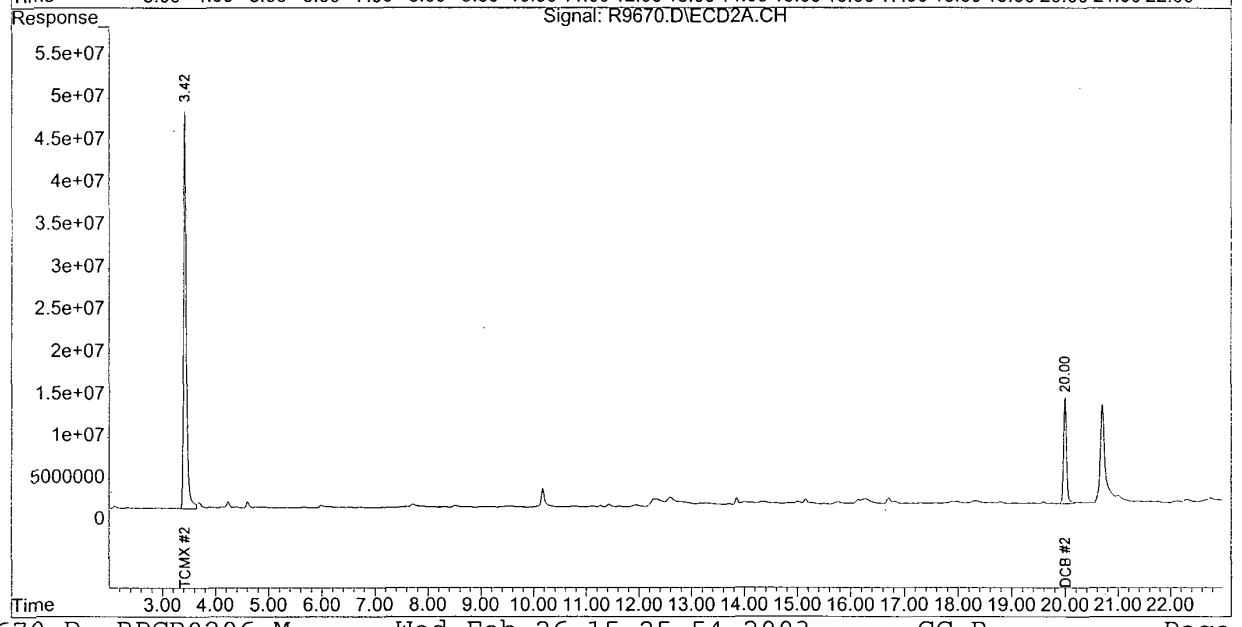
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9670.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9670.D\ECD2A.CH
Acq On : 26 Feb 2003 12:05 Operator: MJ
Sample : SB-T26-8.5/,01327-006,S,5.69g,19.4,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:07 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9671.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9671.D\ECD2A.CH
Acq On : 26 Feb 2003 12:31 Operator: MJ
Sample : SB-T26-30.5,01327-007,S,5.13g,33.4,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 12:54:44 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	2589.5E6	3327.7E6	122.162	117.104
Spiked Amount 100.000	Range 75 - 125		Recovery =		122.16%	117.10%
2) S DCB	21.04	20.01	798.3E6	1206.9E6	77.580	109.349m#
Spiked Amount 100.000			Recovery =		77.58%	109.35%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

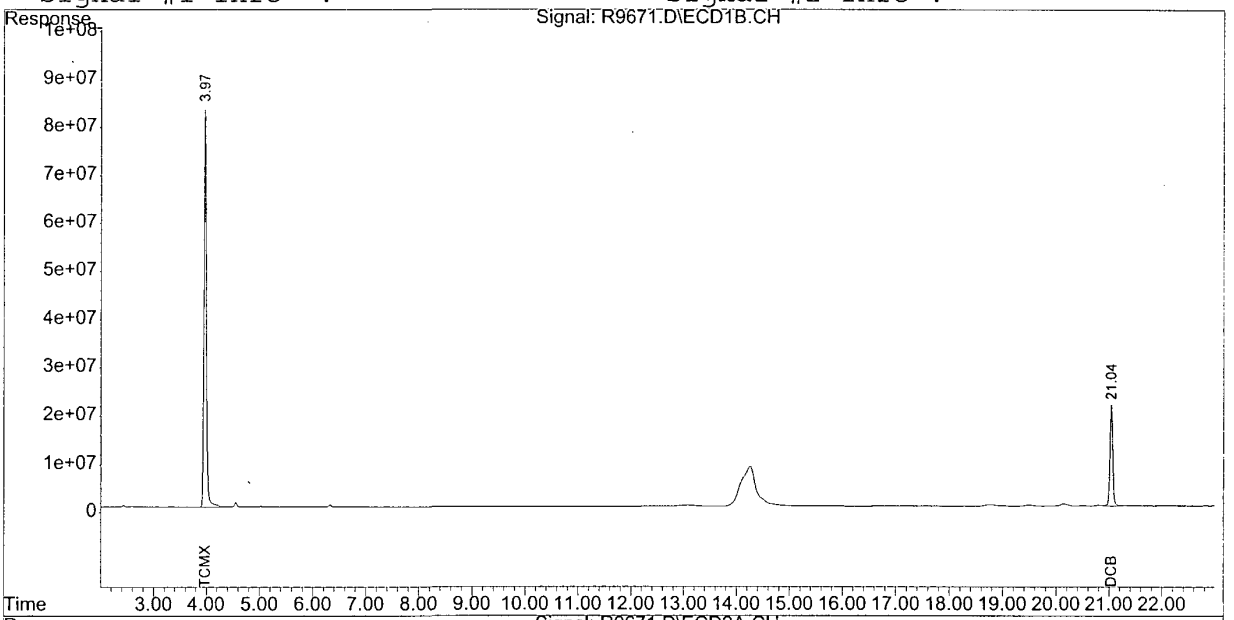
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

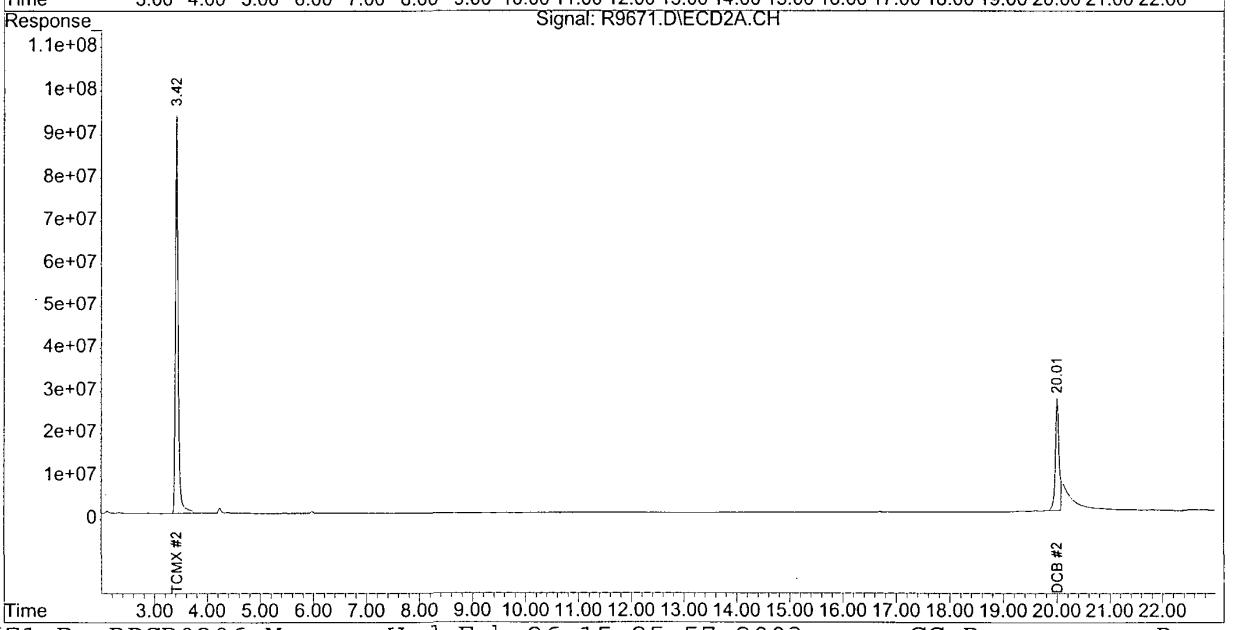
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9671.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9671.D\ECD2A.CH
Acq On : 26 Feb 2003 12:31 Operator: MJ
Sample : SB-T26-30.5,01327-007,S,5.13g,33.4,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:08 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0397

302735

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9672.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9672.D\ECD2A.CH
Acq On : 26 Feb 2003 12:57 Operator: MJ
Sample : SB-X11-0/0-,01327-008,S,5.54g,10.6,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:20:54 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1416.1E6	1986.0E6	66.806	69.889
Spiked Amount 100.000 Range 75 - 125 Recovery =					66.81%#	69.89%#
2) S DCB	21.04	20.01	440.4E6	515.8E6	42.804	46.736
Spiked Amount 100.000 Recovery =					42.80%	46.74%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.83	12.64	102.9E6	99795307	126.359	117.231
34) L8 Aroclor-1260 {2}	14.44	13.85	182.8E6	73812399	379.382	106.042 #
35) L8 Aroclor-1260 {3}	16.02	14.81	104.0E6	79966632	86.551	106.958
36) L8 Aroclor-1260 {4}	16.92	15.76	59910201	152.9E6	103.621	89.715
37) L8 Aroclor-1260 {5}	18.95	18.81	24216806	41250936	72.620	83.674
Sum Aroclor-1260			473.8E6	447.8E6	768.533	503.620
Average Aroclor-1260					153.707	100.724

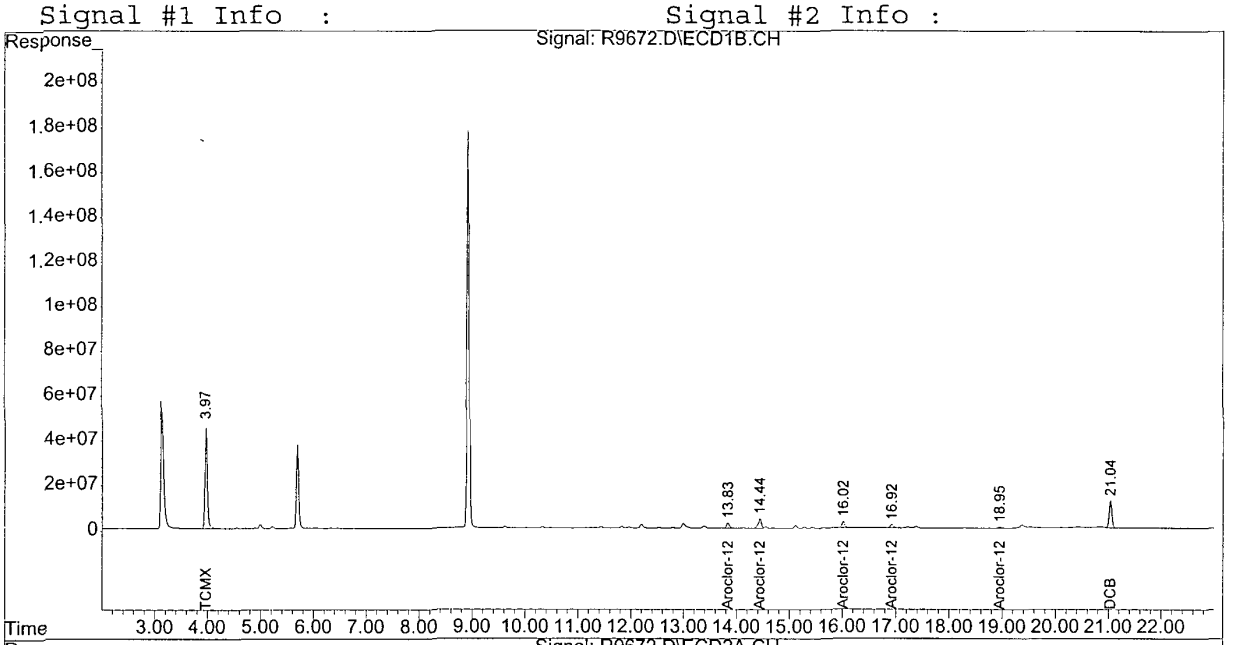
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

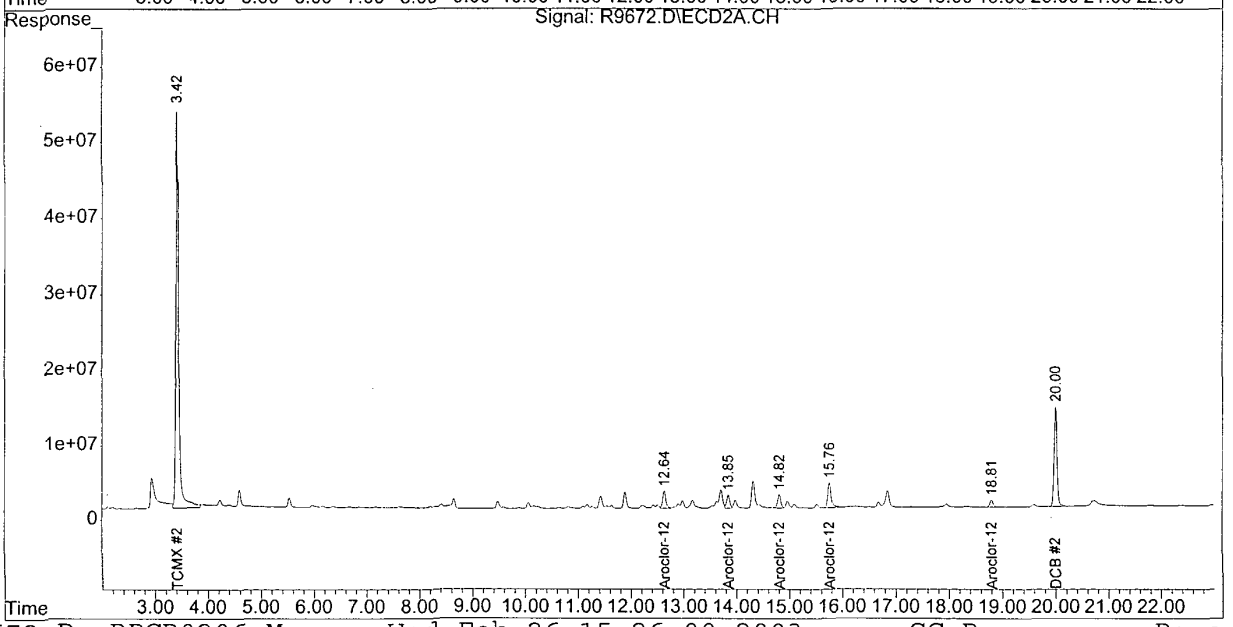
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9672.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9672.D\ECD2A.CH
Acq On : 26 Feb 2003 12:57 Operator: MJ
Sample : SB-X11-0/0-,01327-008,S,5.54g,10.6,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:32 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9673.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9673.D\ECD2A.CH
Acq On : 26 Feb 2003 13:23 Operator: MJ
Sample : SB-X11-10.5,01327-009,S,5.29g,17.6,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:47:15 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

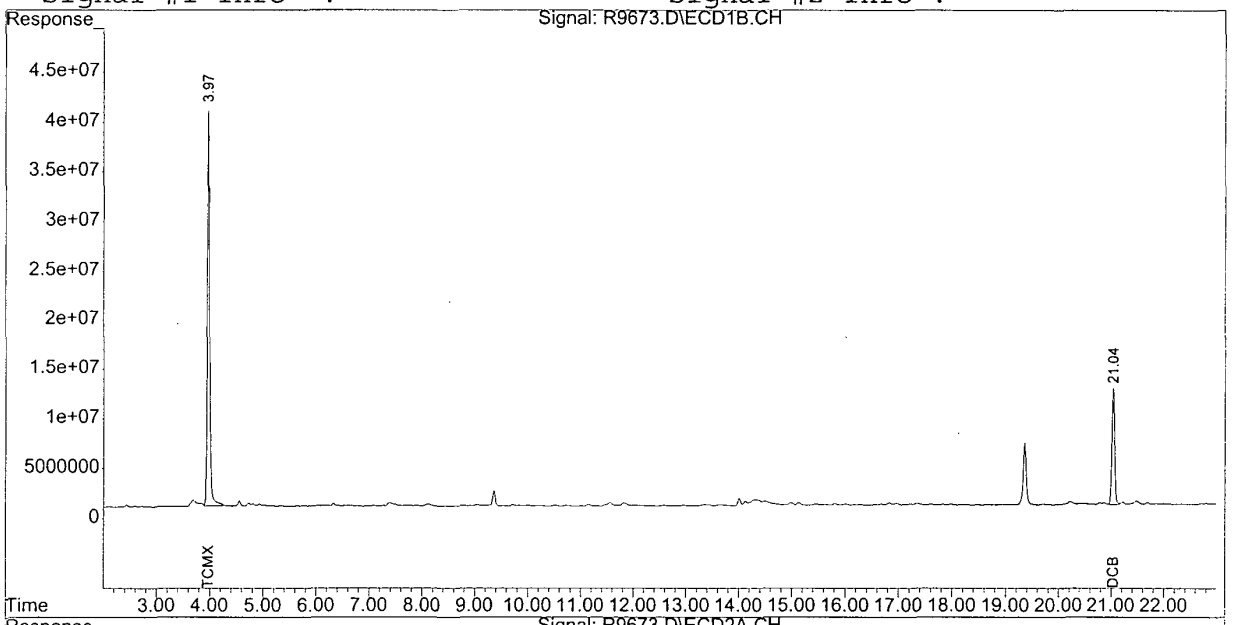
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1190.2E6	1549.8E6	56.152	54.539
Spiked Amount 100.000	Range 75 - 125		Recovery =		56.15%#	54.54%#
2) S DCB	21.04	20.00	429.5E6	546.6E6	41.745	49.521
Spiked Amount 100.000			Recovery =		41.74%	49.52%
Target 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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

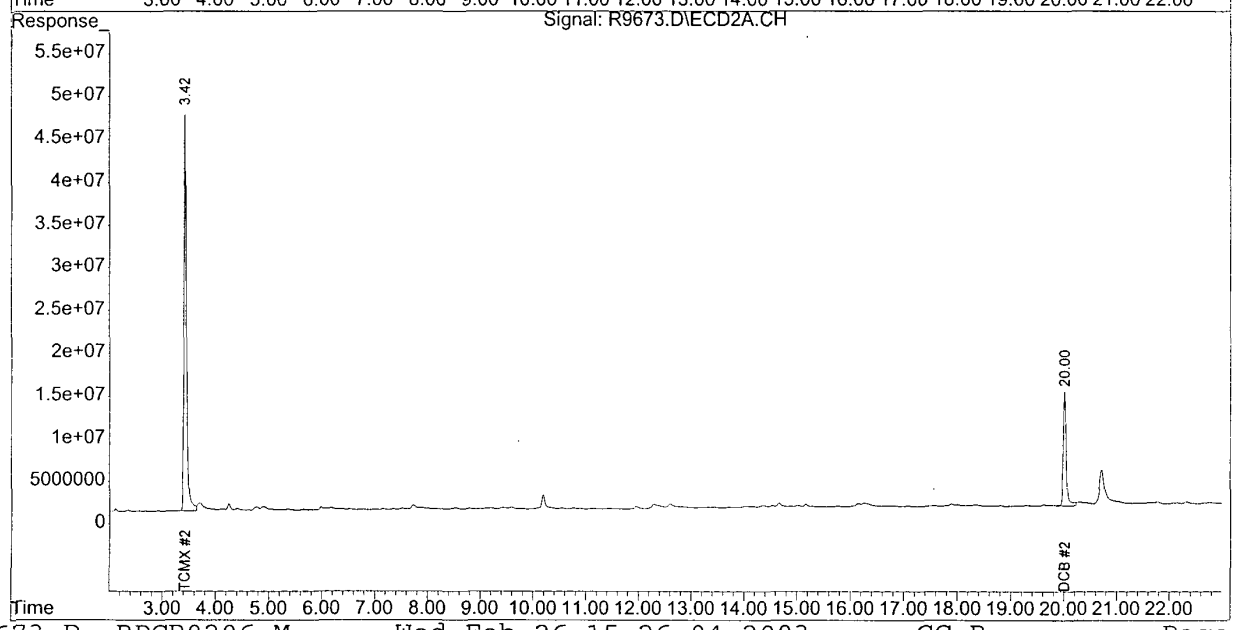
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9673.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9673.D\ECD2A.CH
Acq On : 26 Feb 2003 13:23 Operator: MJ
Sample : SB-X11-10.5,01327-009,S,5.29g,17.6,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 13:50 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0401

302739

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9674.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9674.D\ECD2A.CH
Acq On : 26 Feb 2003 13:50 Operator: MJ
Sample : SB-X11-26.5,01327-010,S,5.47g,16.1,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 14:14:07 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1402.0E6	1922.9E6	66.141	67.668
Spiked Amount 100.000 Range 75 - 125 Recovery =					66.14%#	67.67%#
2) S DCB	21.04	20.01	445.1E6	632.8E6	43.256	57.329m#
Spiked Amount 100.000 Recovery =					43.26%	57.33%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

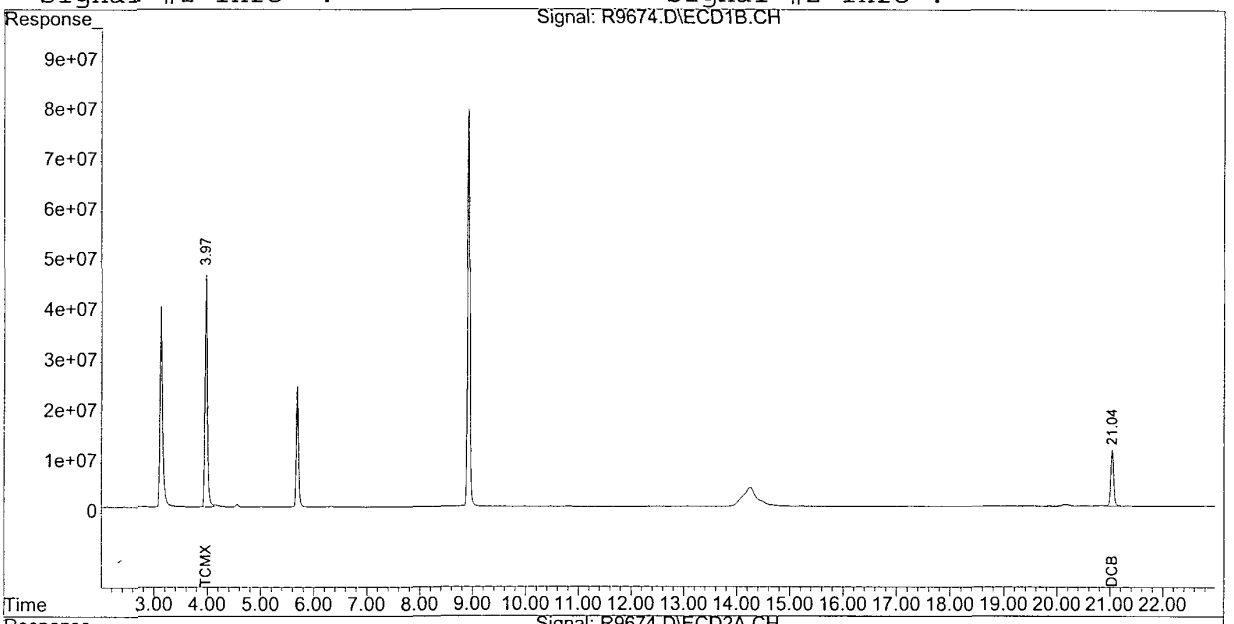
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

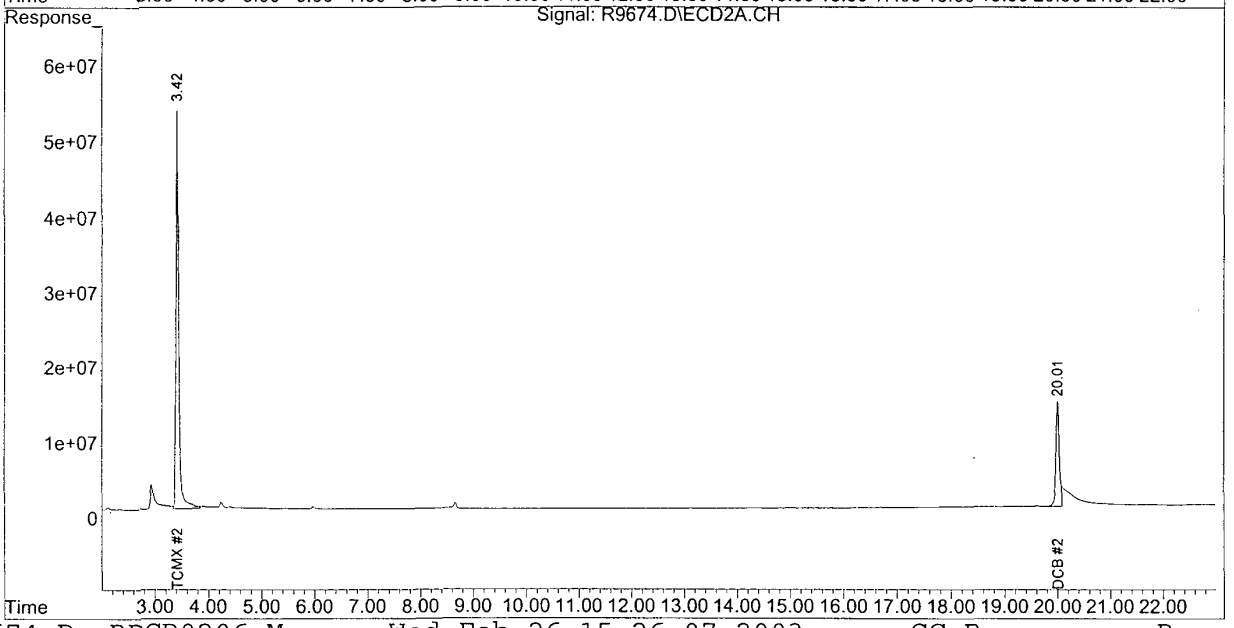
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9674.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9674.D\ECD2A.CH
Acq On : 26 Feb 2003 13:50 Operator: MJ
Sample : SB-X11-26.5,01327-010,S,5.47g,16.1,02/25 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 14:20 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0403

302741

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9612.D\ECD1B.CH Vial: 46
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9612.D\ECD2A.CH
Acq On : 25 Feb 2003 6:35 Operator: MJ
Sample : (1304.1345),0224-BLK2,A,1000ml,100,02/24 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 06:58:54 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1340.4E6	1727.0E6	63.235	60.774
Spiked Amount 100.000 Range 75 - 125 Recovery =					63.23%#	60.77%#
2) S DCB	21.04	20.01	404.7E6	508.0E6	39.333	46.026
Spiked Amount 100.000 Recovery =					39.33%	46.03%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

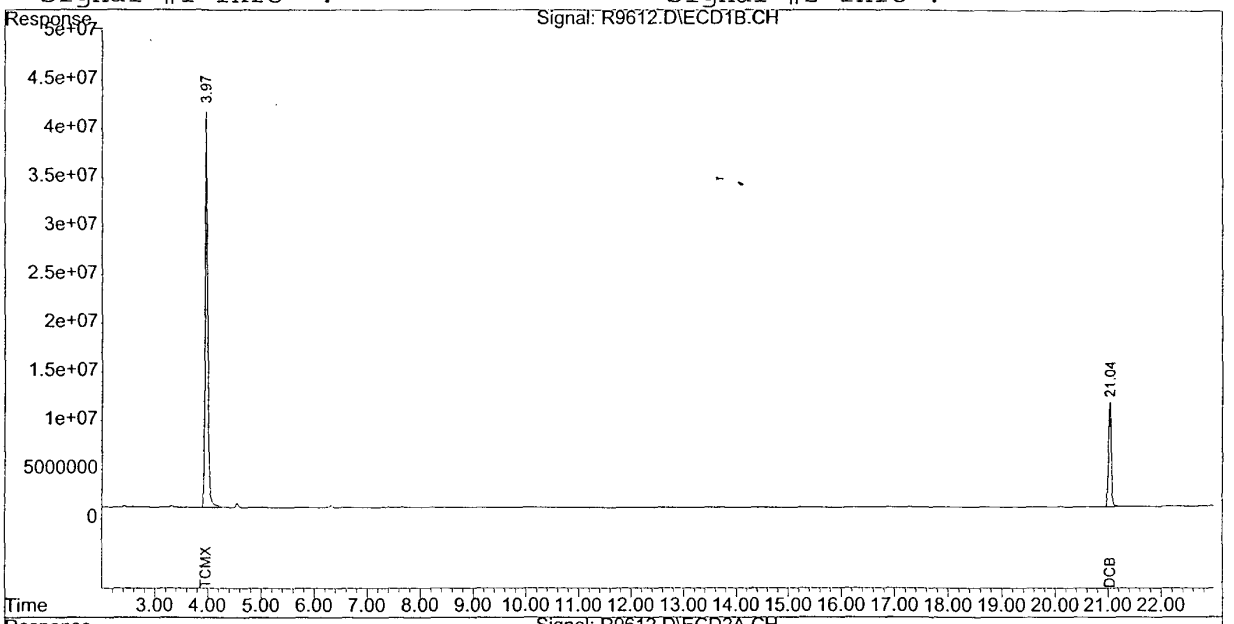
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

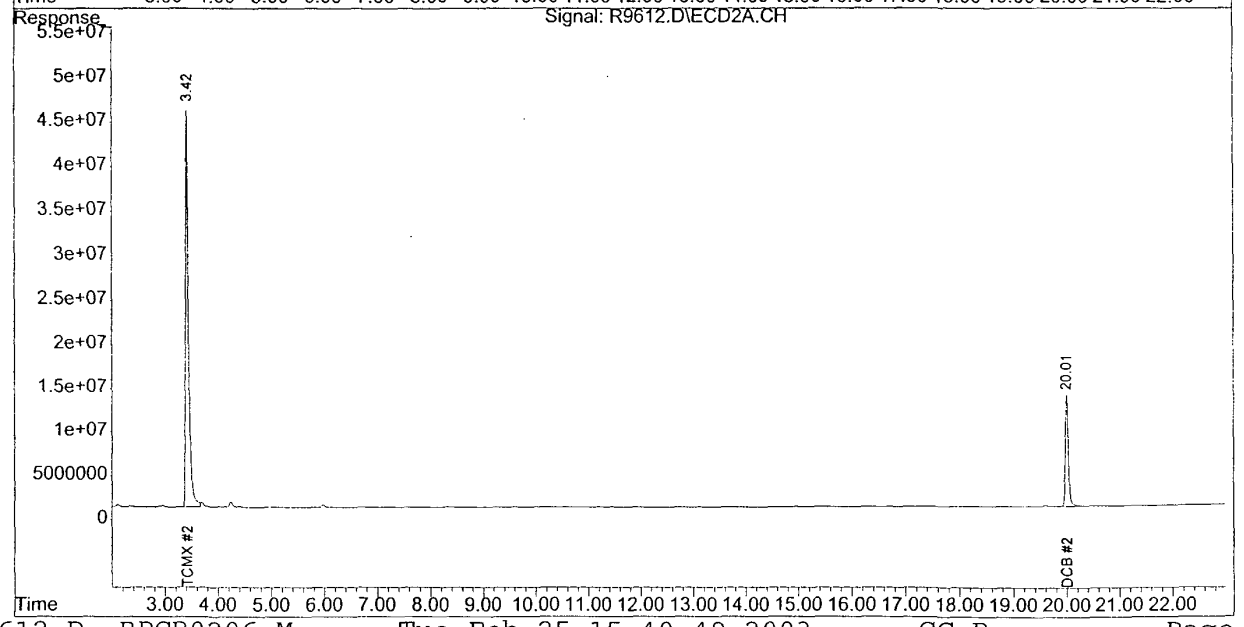
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9612.D\ECD1B.CH Vial: 46
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9612.D\ECD2A.CH
Acq On : 25 Feb 2003 6:35 Operator: MJ
Sample : (1304.1345),0224-BLK2,A,1000ml,100,02/24 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 8:54 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9666.D\ECD1B.CH Vial: 14
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9666.D\ECD2A.CH
Acq On : 26 Feb 2003 10:19 Operator: MJ
Sample : (1327),0225-BLK1,S,5g,0,02/25/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 10:43:23 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.96	3.42	1346.6E6	1741.8E6	63.528	61.295
Spiked Amount 100.000	Range 75 - 125		Recovery =		63.53%#	61.30%#
2) S DCB	21.03	20.01	402.1E6	485.2E6	39.081	43.956
Spiked Amount 100.000			Recovery =		39.08%	43.96%
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

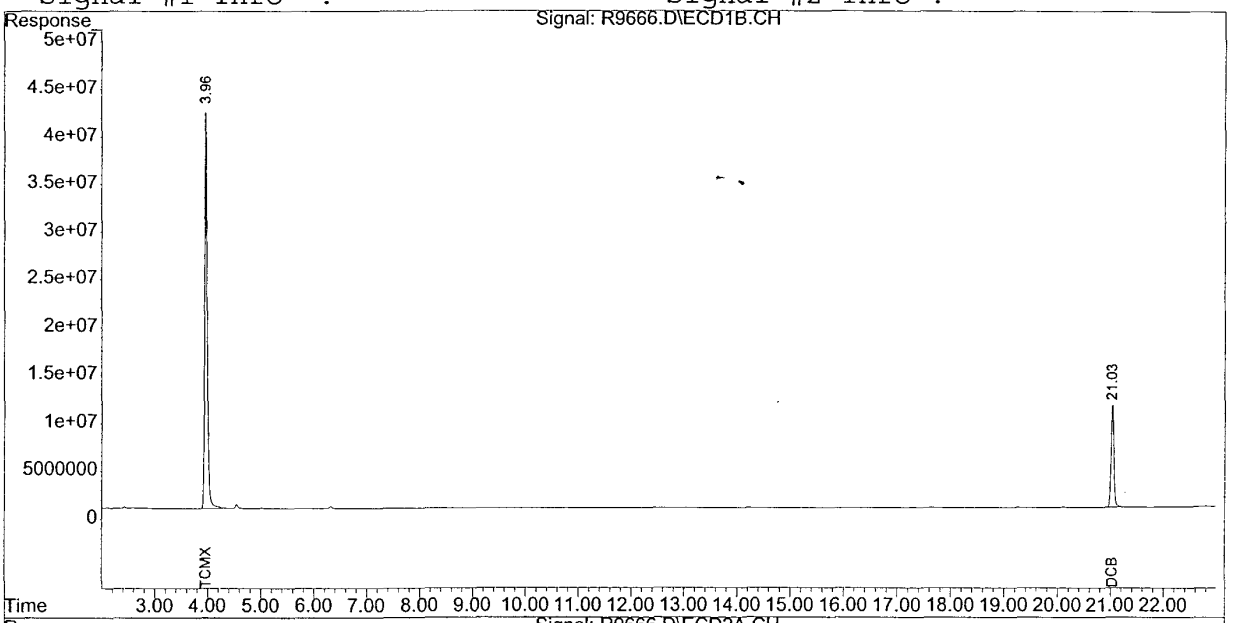
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

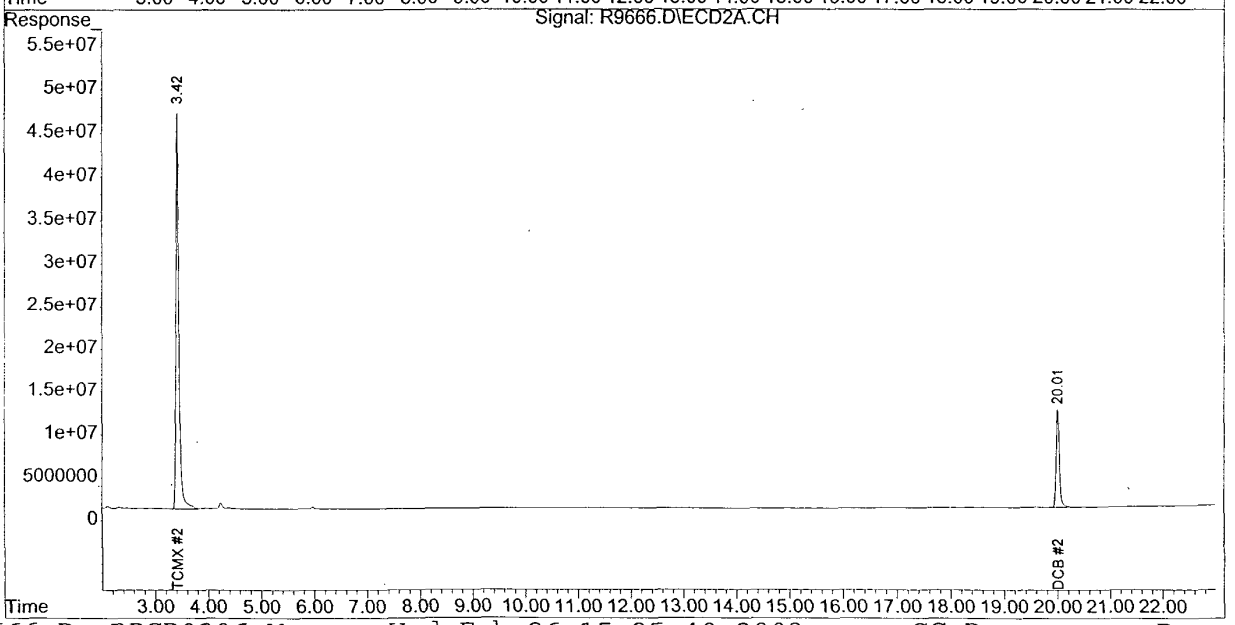
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9666.D\ECD1B.CH Vial: 14
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9666.D\ECD2A.CH
Acq On : 26 Feb 2003 10:19 Operator: MJ
Sample : (1327),0225-BLK1,S,5g,0,02/25/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 10:45 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0407

302745

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9611.D\ECD1B.CH Vial: 45
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9611.D\ECD2A.CH
Acq On : 25 Feb 2003 6:09 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 06:32:37 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1090.2E6	1423.5E6	51.430	50.092
Spiked Amount 100.000 Range 75 - 125 Recovery =					51.43%#	50.09%#
2) S DCB	21.04	20.01	333.1E6	415.5E6	32.377	37.642
Spiked Amount 100.000 Recovery =					32.38%	37.64%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	109.6E6	151.3E6	537.489	539.221
4) L2 Aroclor-1016 {2}	6.11	5.51	147.6E6	278.6E6	533.285	505.033
5) L2 Aroclor-1016 {3}	7.07	6.69	196.4E6	576.7E6	526.004	502.097
6) L2 Aroclor-1016 {4}	7.88	7.03	101.5E6	257.3E6	530.074	490.143
7) L2 Aroclor-1016 {5}	8.33	7.32	135.3E6	212.2E6	529.484	483.354
Sum Aroclor-1016			690.5E6	1476.1E6	2656.336	2519.848
Average Aroclor-1016					531.267	503.970
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	432.1E6	437.4E6	530.689	513.848
34) L8 Aroclor-1260 {2}	14.39	13.85	191.8E6	351.4E6	398.006	504.824 #
35) L8 Aroclor-1260 {3}	16.02	14.82	641.8E6	381.4E6	534.115	510.127
36) L8 Aroclor-1260 {4}	16.93	15.77	307.0E6	885.9E6	530.965	519.696
37) L8 Aroclor-1260 {5}	18.95	18.81	165.5E6	250.5E6	496.396	508.129
Sum Aroclor-1260			1738.3E6	2306.7E6	2490.171	2556.624
Average Aroclor-1260					498.034	511.325

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

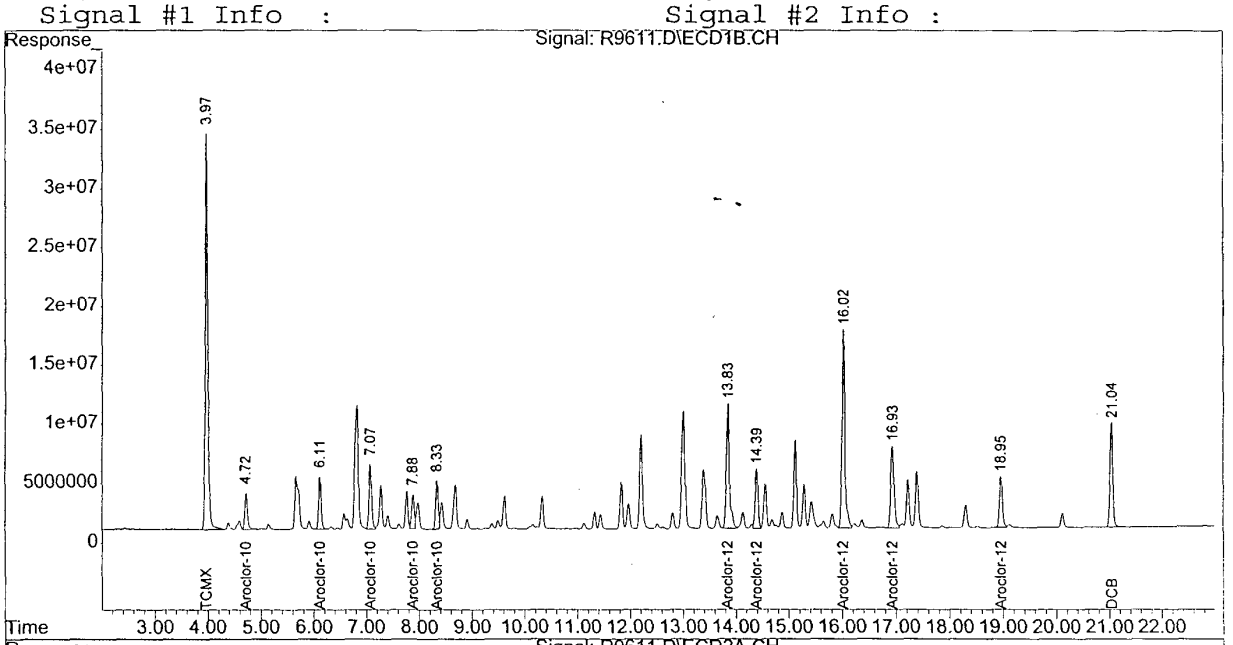
302746

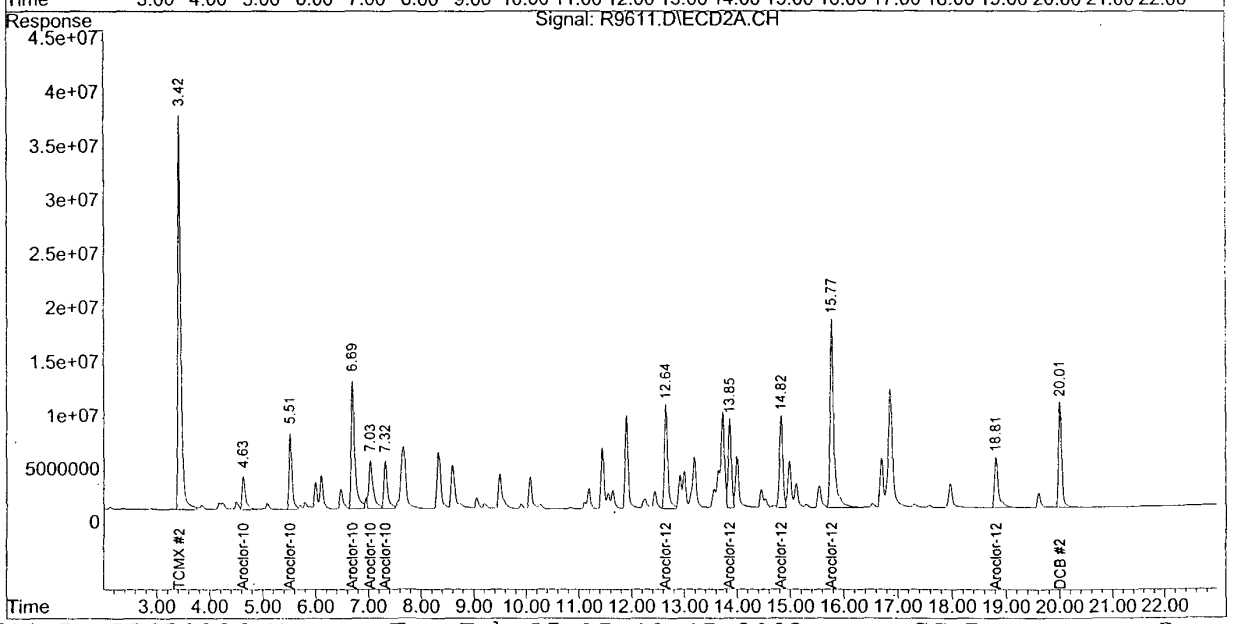
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9611.D\ECD1B.CH Vial: 45
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9611.D\ECD2A.CH
Acq On : 25 Feb 2003 6:09 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 8:54 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9634.D\ECD1B.CH Vial: 68
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9634.D\ECD2A.CH
Acq On : 25 Feb 2003 16:13 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 16:37:06 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1054.9E6	1404.0E6	49.765	49.408
Spiked Amount 100.000 Range 75 - 125 Recovery =					49.77%#	49.41%#
2) S DCB	21.04	20.01	324.7E6	418.3E6	31.555	37.900
Spiked Amount 100.000 Recovery =					31.56%	37.90%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	106.7E6	154.3E6	522.952	549.824
4) L2 Aroclor-1016 {2}	6.11	5.51	143.5E6	280.4E6	518.484	508.229
5) L2 Aroclor-1016 {3}	7.07	6.70	190.6E6	586.1E6	510.429	510.234
6) L2 Aroclor-1016 {4}	7.88	7.03	98393926	306.5E6	513.829	584.049
7) L2 Aroclor-1016 {5}	8.33	7.32	131.4E6	231.7E6	514.344	527.770
Sum Aroclor-1016			670.6E6	1559.0E6	2580.037	2680.107
Average Aroclor-1016					516.007	536.021
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	416.9E6	428.2E6	511.972	503.056
34) L8 Aroclor-1260 {2}	14.39	13.85	188.8E6	346.8E6	391.779m	498.300 #
35) L8 Aroclor-1260 {3}	16.02	14.82	619.6E6	374.2E6	515.596	500.547
36) L8 Aroclor-1260 {4}	16.93	15.77	297.8E6	863.5E6	515.000	506.563
37) L8 Aroclor-1260 {5}	18.96	18.81	163.4E6	249.1E6	490.095	505.210
Sum Aroclor-1260			1686.4E6	2261.9E6	2424.443	2513.677
Average Aroclor-1260					484.889	502.735

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

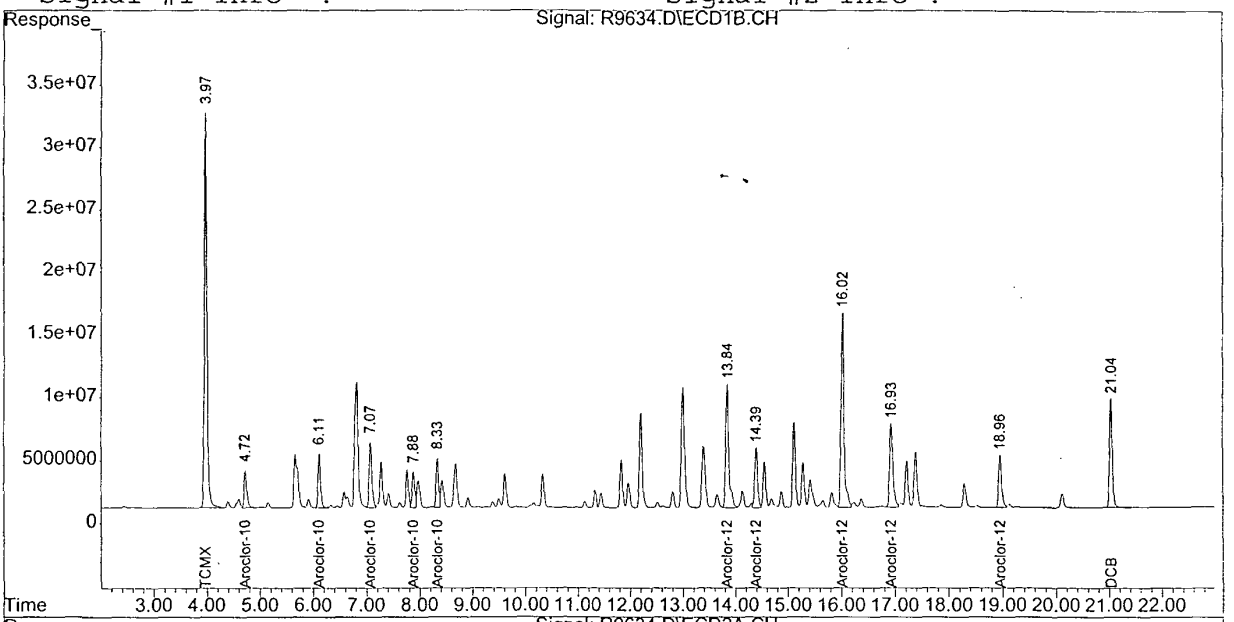
302748

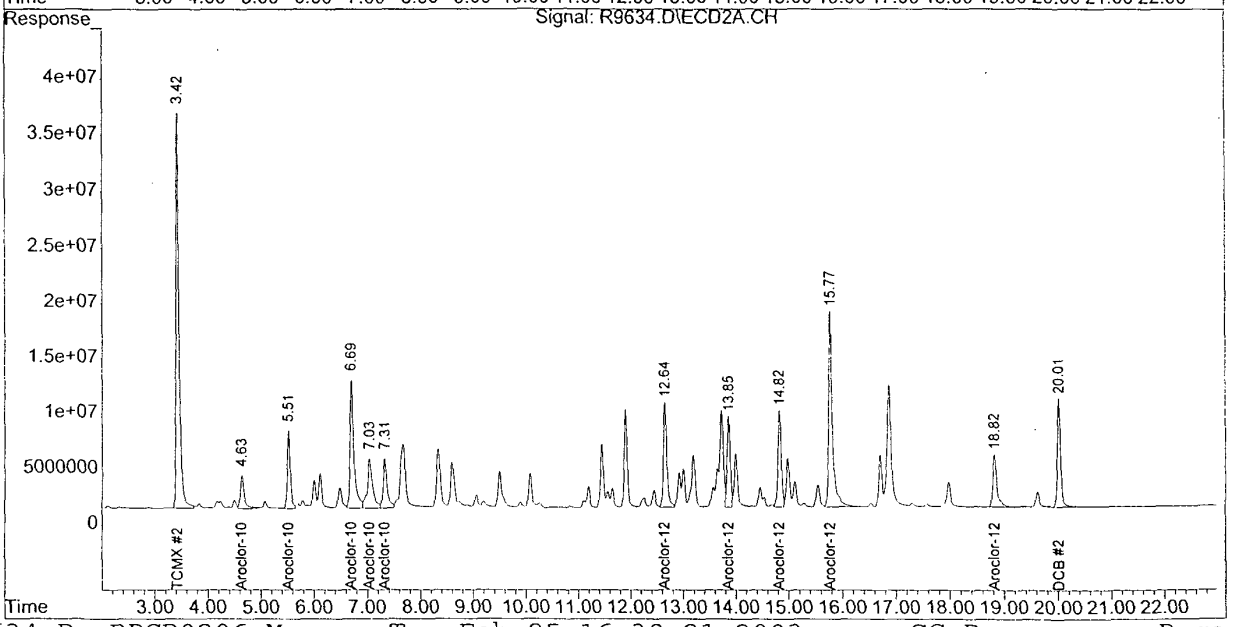
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\R9634.D\ECD1B.CH Vial: 68
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\R9634.D\ECD2A.CH
Acq On : 25 Feb 2003 16:13 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 25 16:38 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0411

302749

Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9664.D\ECD1B.CH Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9664.D\ECD2A.CH
Acq On : 26 Feb 2003 9:27 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 09:50:58 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.96	3.42	1095.8E6	1396.2E6	51.698	49.134
Spiked Amount 100.000 Range 75 - 125 Recovery =					51.70%#	49.13%#
2) S DCB	21.03	20.01	325.6E6	388.8E6	31.644	35.230
Spiked Amount 100.000 Recovery =					31.64%	35.23%
Target Compounds						
3) L2 Aroclor-1016	4.70	4.63	108.8E6	147.2E6	533.115	524.606
4) L2 Aroclor-1016 {2}	6.10	5.52	147.8E6	275.9E6	533.980	500.068
5) L2 Aroclor-1016 {3}	7.05	6.70	196.0E6	582.2E6	524.873	506.817
6) L2 Aroclor-1016 {4}	7.86	7.03	100.6E6	280.4E6	525.325	534.322
7) L2 Aroclor-1016 {5}	8.32	7.32	134.2E6	212.4E6	525.295	483.677
Sum Aroclor-1016			687.4E6	1498.0E6	2642.588	2549.489
Average Aroclor-1016					528.518	509.898
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.82	12.64	443.1E6	424.0E6	544.178	498.027
34) L8 Aroclor-1260 {2}	14.38	13.85	191.9E6	339.2E6	398.259	487.312
35) L8 Aroclor-1260 {3}	16.00	14.82	660.5E6	372.7E6	549.672	498.488
36) L8 Aroclor-1260 {4}	16.91	15.76	315.9E6	860.6E6	546.410	504.825
37) L8 Aroclor-1260 {5}	18.94	18.81	168.4E6	231.2E6	504.846	469.050
Sum Aroclor-1260			1779.8E6	2227.7E6	2543.364	2457.703
Average Aroclor-1260					508.673	491.541

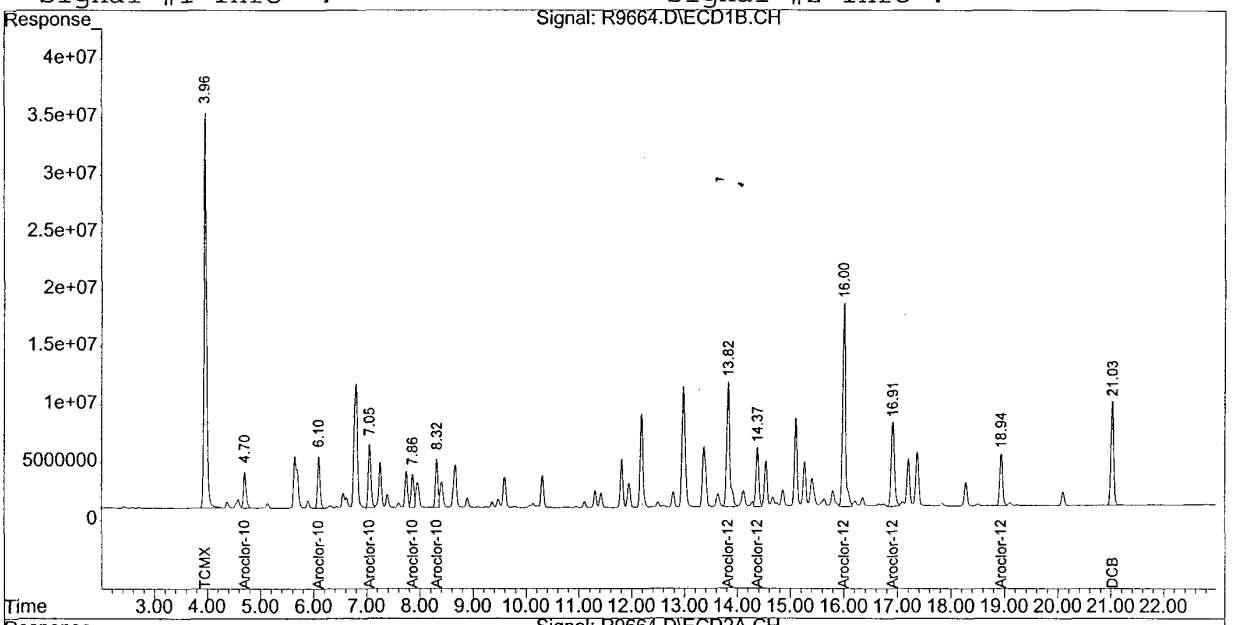
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

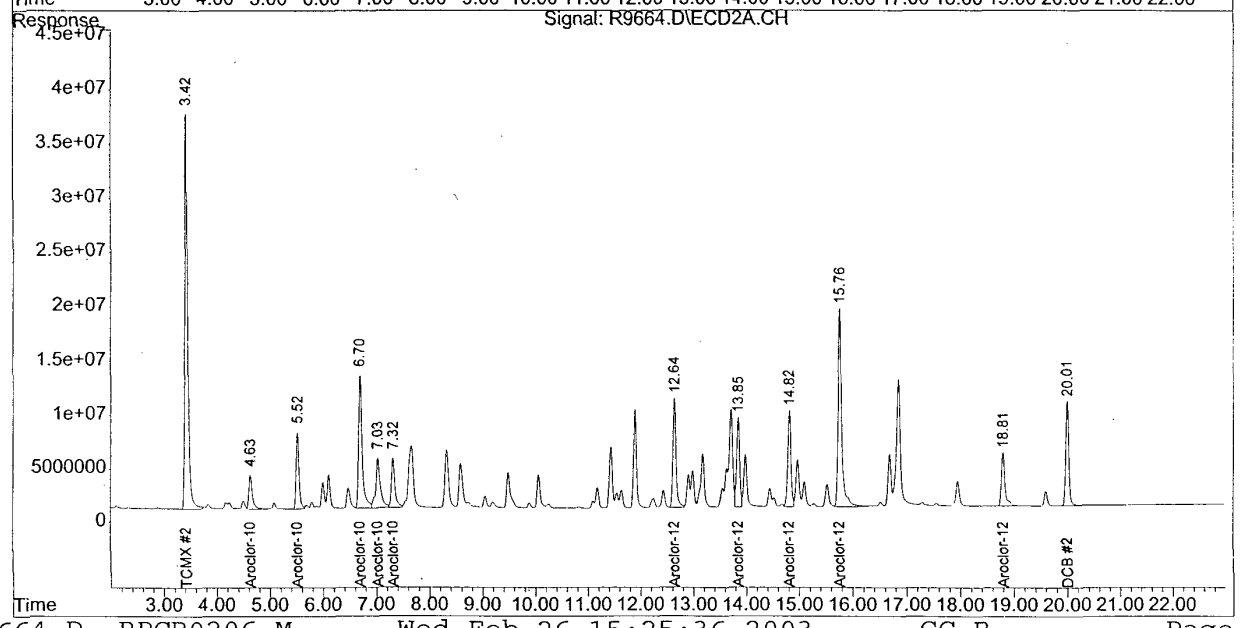
Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9664.D\ECD1B.CH Vial: 12
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9664.D\ECD2A.CH
Acq On : 26 Feb 2003 9:27 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 10:44 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0413

302751

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9679.D\ECD1B.CH Vial: 27
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9679.D\ECD2A.CH
Acq On : 26 Feb 2003 16:01 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 16:25:22 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Initial Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.97	3.42	1073.3E6	1425.4E6	50.636	50.160
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.64%#	50.16%#
2) S DCB	21.04	20.01	329.5E6	411.8E6	32.027	37.309
Spiked Amount 100.000 Recovery =					32.03%	37.31%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	107.6E6	152.6E6	527.223	543.840
4) L2 Aroclor-1016 {2}	6.11	5.51	146.8E6	280.5E6	530.214	508.400
5) L2 Aroclor-1016 {3}	7.07	6.69	197.8E6	599.1E6	529.688	521.537
6) L2 Aroclor-1016 {4}	7.88	7.03	102.5E6	290.9E6	535.367	554.294
7) L2 Aroclor-1016 {5}	8.33	7.32	136.3E6	220.2E6	533.558	501.631
Sum Aroclor-1016			690.9E6	1543.3E6	2656.049	2629.701
Average Aroclor-1016					531.210	525.940
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
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	13.84	12.64	428.4E6	448.5E6	526.071	526.824
34) L8 Aroclor-1260 {2}	14.39	13.85	188.8E6	353.0E6	391.778m	507.092 #
35) L8 Aroclor-1260 {3}	16.02	14.82	637.5E6	385.8E6	530.557	516.005
36) L8 Aroclor-1260 {4}	16.93	15.76	306.3E6	886.3E6	529.864	519.903
37) L8 Aroclor-1260 {5}	18.96	18.81	167.2E6	250.9E6	501.389	509.000
Sum Aroclor-1260			1728.2E6	2324.5E6	2479.660	2578.824
Average Aroclor-1260					495.932	515.765

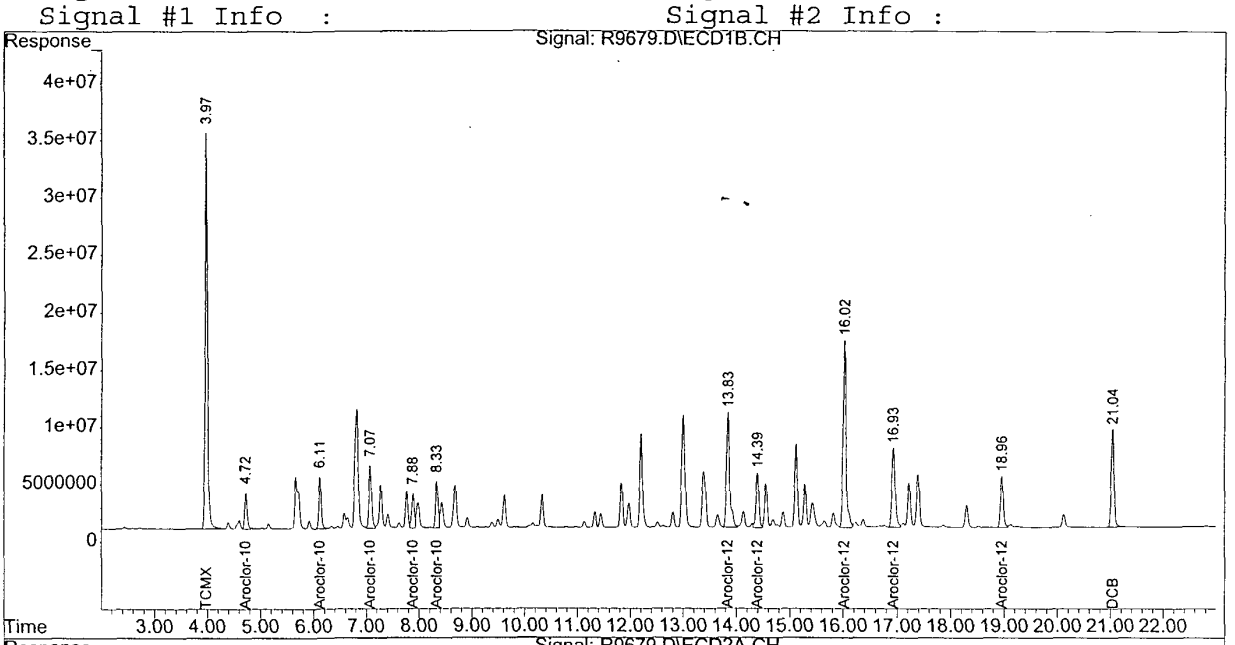
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

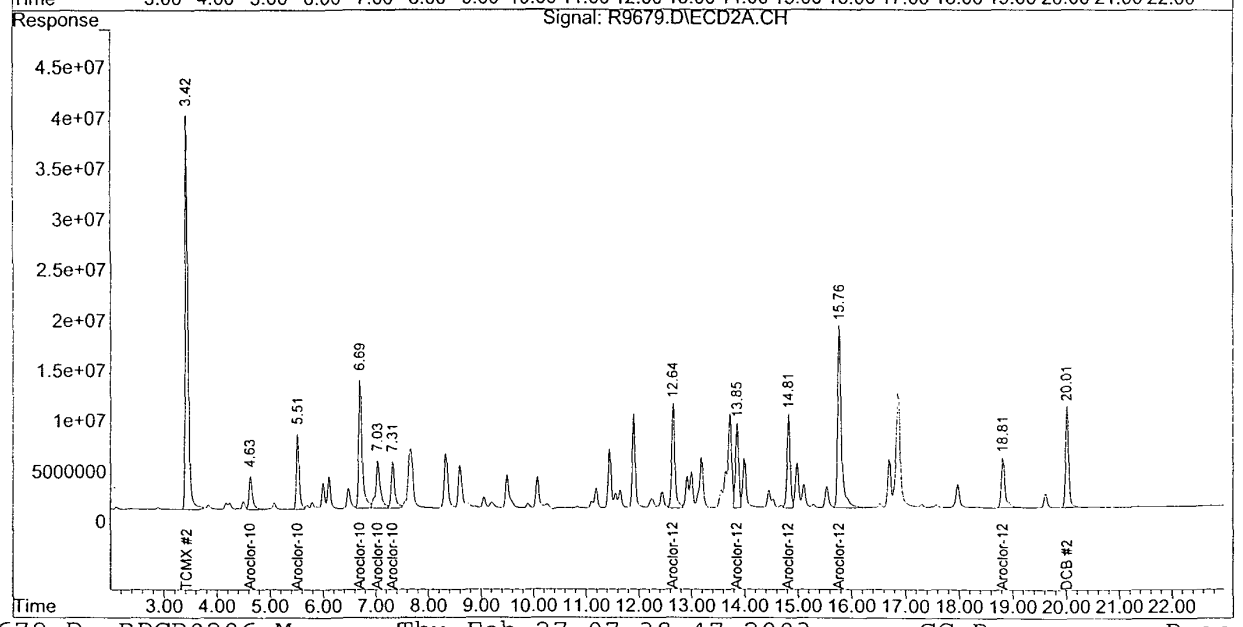
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9679.D\ECD1B.CH Vial: 27
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9679.D\ECD2A.CH
Acq On : 26 Feb 2003 16:01 Operator: MJ
Sample : 8082_C_IAS_1903,0.5_PPM Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 7:30 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:32:17 2003
Response via : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0415

302753

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6780.D

Instrument ID: GC-W

Date Extracted: 02/13/2003

Matrix: AQUEOUS

Date Analyzed: 02/13/2003

Time Analyzed: 05:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
S-1	01144-001	02/13/2003	05:59
FB-1	01144-002	02/13/2003	06:23
PEST	01144-002MS3	02/13/2003	06:48
PEST	01144-002MSD3	02/13/2003	07:12
PEST	PBA0213-MS3	02/13/2003	07:37

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0213-BK3
Client ID: (01144)
Date Received: NA
Date Extracted: 02/13/2003
Date Analyzed: 02/13/2003
Data file: W6780.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-μg/L (ppb
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.002
beta-BHC	ND		0.002
gamma-BHC	ND		0.002
delta-BHC	ND		0.002
Heptachlor	ND		0.002
Aldrin	ND		0.002
Heptachlor epoxide	ND		0.002
Endosulfan I	ND		0.002
4,4'-DDE	ND		0.002
Dieldrin	ND		0.002
Endrin	ND		0.002
Endosulfan II	ND		0.002
4,4'-DDD	ND		0.002
Endrin aldehyde	ND		0.002
Endosulfan sulfate	ND		0.002
4,4'-DDT	ND		0.002
Chlordane	ND		0.015
Toxaphene	ND		0.015

PESTICIDE METHOD BLANK SUMMARY

Lab File ID:	P4207.D	Instrument ID:	GC-P
Date Extracted:	02/24/2003	Matrix:	AQUEOUS
Date Analyzed:	02/24/2003	Time Analyzed:	17:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	01304-001	02/24/2003	17:58
FB022103	01329-013	02/24/2003	18:22
S-1	01315-001	02/24/2003	18:46
FB-1	01315-003	02/24/2003	19:11
FIELD_BLANK	01327-001	02/24/2003	19:35
EXP_02/06/05	01345-001	02/24/2003	19:59
PEST	PBA0224-MS2	02/24/2003	20:23

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0224-BK2
Client ID: (01304.01345)
Date Received: NA
Date Extracted: 02/24/2003
Date Analyzed: 02/24/2003
Data file: P4207.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000mL
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.002
beta-BHC	ND		0.002
gamma-BHC	ND		0.002
delta-BHC	ND		0.002
Heptachlor	ND		0.002
Aldrin	ND		0.002
Heptachlor epoxide	ND		0.002
Endosulfan I	ND		0.002
4,4'-DDE	ND		0.002
Dieldrin	ND		0.002
Endrin	ND		0.002
Endosulfan II	ND		0.002
4,4'-DDD	ND		0.002
Endrin aldehyde	ND		0.002
Endosulfan sulfate	ND		0.002
4,4'-DDT	ND		0.002
Endrin ketone	ND		0.002
Methoxychlor	ND		0.002
alpha-Chlordane	ND		0.002
gamma-Chlordane	ND		0.002
Toxaphene	ND		0.015

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: P4222.D Instrument ID: GC-P

Date Extracted: 02/25/2003 Matrix: AQUEOUS

Date Analyzed: 02/25/2003 Time Analyzed: 13:58

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
S-3	01348-003	02/25/2003	14:22
S-4	01348-004	02/25/2003	14:46
S-5	01348-005	02/25/2003	15:10
S-6	01348-006	02/25/2003	15:35
S-7	01348-007	02/25/2003	15:59
S-8	01348-008	02/25/2003	16:23
S-9	01348-009	02/25/2003	16:47
S-10	01348-010	02/25/2003	17:12
SS-1	01360-001	02/25/2003	17:36
SS-2	01360-002	02/25/2003	18:00
SB-T24-23/23-2	01327-003	02/25/2003	18:24
SB-T24-0/0-0.5	01327-004	02/25/2003	18:49
SB-T26-0/0-0.5	01327-005	02/25/2003	19:13
SB-T26-8.5/8.5	01327-006	02/25/2003	19:37
SB-T26-30.5/30	01327-007	02/25/2003	20:01
SB-X11-0/0-0.5	01327-008	02/25/2003	20:25
SB-X11-26.5/26	01327-010	02/25/2003	21:14
S-1	01348-001	02/25/2003	21:38
S-2	01348-002	02/25/2003	22:02
PEST	01360-001MS1	02/25/2003	22:26
PEST	PBS0225-MS1	02/25/2003	22:51
PEST	01360-001MSD1	02/25/2003	23:15
SB-X11-10.5/10.5	01327-009	02/26/2003	20:21

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0225-BK1
Client ID: (01327.01360)
Date Received: NA
Date Extracted: 02/25/2003
Date Analyzed: 02/25/2003
Data file: P4222.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.400
beta-BHC	ND		0.400
gamma-BHC	ND		0.400
delta-BHC	ND		0.400
Heptachlor	ND		0.400
Aldrin	ND		0.400
Heptachlor epoxide	ND		0.400
Endosulfan I	ND		0.400
4,4'-DDE	ND		0.400
Dieldrin	ND		0.400
Endrin	ND		0.400
Endosulfan II	ND		0.400
4,4'-DDD	ND		0.400
Endrin aldehyde	ND		0.400
Endosulfan sulfate	ND		0.400
4,4'-DDT	ND		0.400
Endrin ketone	ND		0.400
Methoxychlor	ND		0.400
alpha-Chlordane	ND		0.400
gamma-Chlordane	ND		0.400
Toxaphene	ND		3.00

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P

GC Column (1st): DB-5

Data File: P3931.D P3932.D P3928.D P3929.D P3930.D

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	4.59	4.60	4.59	4.59	4.59	4.59	4.52	4.66
beta-BHC	5.10	5.10	5.09	5.10	5.10	5.10	5.03	5.17
gamma-BHC	5.23	5.24	5.23	5.23	5.23	5.23	5.16	5.30
delta-BHC	5.71	5.72	5.71	5.71	5.71	5.71	5.64	5.78
Heptachlor	6.84	6.84	6.83	6.84	6.84	6.84	6.77	6.91
Aldrin	7.67	7.67	7.66	7.67	7.67	7.67	7.60	7.74
Heptachlor epoxide	8.69	8.69	8.68	8.69	8.69	8.69	8.62	8.76
Endosulfan I	9.61	9.61	9.61	9.61	9.61	9.61	9.54	9.68
4,4'-DDE	10.38	10.38	10.38	10.38	10.38	10.38	10.31	10.45
Dieldrin	10.31	10.31	10.30	10.31	10.31	10.31	10.24	10.38
Endrin	10.87	10.87	10.86	10.87	10.87	10.87	10.80	10.94
Endosulfan II	11.12	11.12	11.12	11.12	11.12	11.12	11.05	11.19
4,4'-DDD	11.51	11.51	11.50	11.50	11.50	11.50	11.43	11.57
Endrin aldehyde	11.65	11.64	11.64	11.65	11.64	11.64	11.57	11.71
Endosulfan sulfate	12.30	12.30	12.30	12.30	12.30	12.30	12.23	12.37
4,4'-DDT	12.53	12.53	12.53	12.53	12.53	12.53	12.46	12.60
Endrin ketone	13.52	13.52	13.51	13.52	13.51	13.51	13.44	13.58
Methoxychlor	14.22	14.22	14.21	14.21	14.22	14.22	14.15	14.29
alpha-Chlordane	9.72	9.72	9.71	9.72	9.72	9.72	9.65	9.79
gamma-Chlordane	9.31	9.31	9.30	9.31	9.31	9.30	9.23	9.37
Chlordane 500 ppb			9.50				9.43	9.57
Chlordane {2}			9.72				9.65	9.79
Chlordane {3}			9.86				9.79	9.93
Chlordane {4}			11.54				11.47	11.61
Chlordane {5}			11.72				11.65	11.79
Toxaphene 500 ppb			12.92				12.85	12.99
Toxaphene {2}			13.66				13.59	13.73
Toxaphene {3}			13.73				13.66	13.80
Toxaphene {4}			14.71				14.64	14.78
Toxaphene {5}			15.22				15.15	15.29

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P
GC Column (1st): DB-5

Data File: P3931.D P3932.D P3928.D P3929.D P3930.D

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	390106	419046	550475	551674	527618	487784	15.84
beta-BHC	180521	158839	192735	192289	180543	180985	7.60
gamma-BHC	379716	387690	497179	502050	471844	447696	13.31
delta-BHC	326389	362549	467996	481856	452746	418307	16.58
Heptachlor	333806	328180	414984	421991	389848	377762	11.75
Aldrin	366038	365580	459116	458717	424596	414809	11.30
Heptachlor epoxide	345349	331115	405945	402778	367764	370590	9.04
Endosulfan I	318889	302622	371330	369569	337312	339944	8.95
4,4'-DDE	305459	306085	396118	406137	370234	356807	13.56
Dieldrin	319563	317542	401597	402730	368886	362063	11.60
Endrin	296816	285139	359125	357242	325959	324856	10.43
Endosulfan II	300292	278704	341956	342560	311793	315061	8.74
4,4'-DDD	230777	226995	296168	306023	282756	268544	13.84
Endrin aldehyde	250646	216039	269505	267506	236738	248087	9.01
Endosulfan sulfate	265940	238265	292458	295648	268690	272200	8.54
4,4'-DDT	208143	208722	274362	290271	261493	248598	15.31
Endrin ketone	334148	304856	361807	361719	324790	337464	7.28
Methoxychlor	123535	109484	129121	130587	116571	121860	7.26
alpha-Chlordane	355945	336455	413078	416970	383736	381236	9.22
gamma-Chlordane	349047	338476	422986	430898	399596	388200	10.91
Chlordane 500 ppb			8568				
Chlordane {2}			40181				
Chlordane {3}			23309				
Chlordane {4}			8096				
Chlordane {5}			10622				
Toxaphene 500 ppb			7001				
Toxaphene {2}			6018				
Toxaphene {3}			6718				
Toxaphene {4}			10792				
Toxaphene {5}			7519				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P
GC Column (2nd): DB-1701P

Data File: P3931.C P3932.C P3928.C P3929.C P3930.C

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.60	5.60	5.61	5.60	5.60	5.60	5.53	5.67
beta-BHC	8.71	8.71	8.71	8.71	8.71	8.71	8.64	8.78
gamma-BHC	6.57	6.57	6.58	6.57	6.57	6.57	6.50	6.64
delta-BHC	9.27	9.27	9.28	9.27	9.27	9.28	9.21	9.35
Heptachlor	7.03	7.03	7.04	7.04	7.03	7.03	6.96	7.10
Aldrin	7.71	7.71	7.71	7.71	7.71	7.71	7.64	7.78
Heptachlor epoxide	9.57	9.57	9.58	9.58	9.57	9.58	9.51	9.65
Endosulfan I	10.26	10.26	10.26	10.26	10.26	10.26	10.19	10.33
4,4'-DDE	11.04	11.04	11.04	11.04	11.04	11.04	10.97	11.11
Dieldrin	11.30	11.30	11.31	11.30	11.30	11.30	11.23	11.37
Endrin	11.83	11.83	11.83	11.83	11.83	11.83	11.76	11.90
Endosulfan II	13.29	13.29	13.29	13.29	13.29	13.29	13.22	13.36
4,4'-DDD	13.29	13.29	13.29	13.29	13.29	13.29	13.22	13.36
Endrin aldehyde	14.45	14.45	14.45	14.45	14.45	14.45	14.38	14.52
Endosulfan sulfate	15.35	15.35	15.35	15.35	15.35	15.35	15.28	15.42
4,4'-DDT	13.74	13.74	13.74	13.74	13.74	13.74	13.67	13.81
Endrin ketone	16.38	16.38	16.38	16.38	16.38	16.38	16.31	16.45
Methoxychlor	15.62	15.62	15.62	15.62	15.62	15.62	15.55	15.69
alpha-Chlordane	10.65	10.65	10.66	10.66	10.66	10.66	10.59	10.73
gamma-Chlordane	10.50	10.50	10.50	10.50	10.50	10.50	10.43	10.57
Chlordane 500 ppb			8.27				8.20	8.34
Chlordane {2}			8.41				8.34	8.48
Chlordane {3}			10.50				10.43	10.57
Chlordane {4}			10.66				10.59	10.73
Chlordane {5}			10.71				10.64	10.78
Toxaphene 500 ppb			12.45				12.38	12.52
Toxaphene {2}			12.57				12.50	12.64
Toxaphene {3}			14.07				14.00	14.14
Toxaphene {4}			15.71				15.64	15.78
Toxaphene {5}			16.09				16.02	16.16

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P

GC Column (2nd): DB-1701P

Data File: P3931.C P3932.C P3928.C P3929.C P3930.C

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	291868	273643	334971	338190	316709	311076	8.96
beta-BHC	139417	112427	127731	124602	115694	123974	8.60
gamma-BHC	272734	250112	303570	303833	284520	282954	7.99
delta-BHC	250280	238526	293457	295884	275698	270769	9.47
Heptachlor	239380	216186	263740	265185	245647	246028	8.17
Aldrin	278618	244103	292162	288835	266209	273986	7.13
Heptachlor epoxide	262268	222710	261317	255667	233231	247038	7.28
Endosulfan I	248401	208140	244378	239089	217069	231415	7.68
4,4'-DDE	211287	190559	238396	239849	219747	219967	9.30
Dieldrin	264059	229400	268082	269164	244544	255050	6.84
Endrin	197551	177450	223088	219896	203997	204396	9.03
Endosulfan II	443896	375666	438633	432160	391293	416330	7.39
4,4'-DDD	443896	375666	438633	432160	391293	416330	7.39
Endrin aldehyde	174116	151680	171323	169651	153210	163996	6.51
Endosulfan sulfate	212264	181364	209249	206106	188440	199485	6.88
4,4'-DDT	101835	112714	144418	163545	153420	135187	19.71
Endrin ketone	253765	213309	242182	234388	215794	231887	7.45
Methoxychlor	60295	73457	83199	85356	81198	76701	13.31
alpha-Chlordane	263416	221890	262494	260398	237610	249162	7.47
gamma-Chlordane	257849	223152	267666	267141	245139	252190	7.39
Chlordane 500 ppb			5854				
Chlordane {2}			4712				
Chlordane {3}			26604				
Chlordane {4}			22795				
Chlordane {5}			15982				
Toxaphene 500 ppb			4402				
Toxaphene {2}			4635				
Toxaphene {3}			6801				
Toxaphene {4}			5866				
Toxaphene {5}			3011				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P

GC Column (1st): DB-5

Data File: P3931.D P3932.D P3928.D P3929.D P3930.D

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	4.59	4.60	4.59	4.59	4.59	4.59	4.52	4.66
beta-BHC	5.10	5.10	5.09	5.10	5.10	5.10	5.03	5.17
gamma-BHC	5.23	5.24	5.23	5.23	5.23	5.23	5.16	5.30
delta-BHC	5.71	5.72	5.71	5.71	5.71	5.71	5.64	5.78
Heptachlor	6.84	6.84	6.83	6.84	6.84	6.84	6.77	6.91
Aldrin	7.67	7.67	7.66	7.67	7.67	7.67	7.60	7.74
Heptachlor epoxide	8.69	8.69	8.68	8.69	8.69	8.69	8.62	8.76
Endosulfan I	9.61	9.61	9.61	9.61	9.61	9.61	9.54	9.68
4,4'-DDE	10.38	10.38	10.38	10.38	10.38	10.38	10.31	10.45
Dieldrin	10.31	10.31	10.30	10.31	10.31	10.31	10.24	10.38
Endrin	10.87	10.87	10.86	10.87	10.87	10.87	10.80	10.94
Endosulfan II	11.12	11.12	11.12	11.12	11.12	11.12	11.05	11.19
4,4'-DDD	11.51	11.51	11.50	11.50	11.50	11.50	11.43	11.57
Endrin aldehyde	11.65	11.64	11.64	11.65	11.64	11.64	11.57	11.71
Endosulfan sulfate	12.30	12.30	12.30	12.30	12.30	12.30	12.23	12.37
4,4'-DDT	12.53	12.53	12.53	12.53	12.53	12.53	12.46	12.60
Endrin ketone	13.52	13.52	13.51	13.52	13.51	13.51	13.44	13.58
Methoxychlor	14.22	14.22	14.21	14.21	14.22	14.22	14.15	14.29
alpha-Chlordane	9.72	9.72	9.71	9.72	9.72	9.72	9.65	9.79
gamma-Chlordane	9.31	9.31	9.30	9.31	9.31	9.30	9.23	9.37
Chlordane 500 ppb			9.50				9.43	9.57
Chlordane {2}			9.72				9.65	9.79
Chlordane {3}			9.86				9.79	9.93
Chlordane {4}			11.54				11.47	11.61
Chlordane {5}			11.72				11.65	11.79
Toxaphene 500 ppb			12.92				12.85	12.99
Toxaphene {2}			13.66				13.59	13.73
Toxaphene {3}			13.73				13.66	13.80
Toxaphene {4}			14.71				14.64	14.78
Toxaphene {5}			15.22				15.15	15.29

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003 Instrument ID: GC-P

GC Column (1st): DB-5

Data File: P3931.D P3932.D P3928.D P3929.D P3930.D

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	390106	419046	550475	551674	527618	487784	15.84
beta-BHC	180521	158839	192735	192289	180543	180985	7.60
gamma-BHC	379716	387690	497179	502050	471844	447696	13.31
delta-BHC	326389	362549	467996	481856	452746	418307	16.58
Heptachlor	333806	328180	414984	421991	389848	377762	11.75
Aldrin	366038	365580	459116	458717	424596	414809	11.30
Heptachlor epoxide	345349	331115	405945	402778	367764	370590	9.04
Endosulfan I	318889	302622	371330	369569	337312	339944	8.95
4,4'-DDE	305459	306085	396118	406137	370234	356807	13.56
Dieldrin	319563	317542	401597	402730	368886	362063	11.60
Endrin	296816	285139	359125	357242	325959	324856	10.43
Endosulfan II	300292	278704	341956	342560	311793	315061	8.74
4,4'-DDD	230777	226995	296168	306023	282756	268544	13.84
Endrin aldehyde	250646	216039	269505	267506	236738	248087	9.01
Endosulfan sulfate	265940	238265	292458	295648	268690	272200	8.54
4,4'-DDT	208143	208722	274362	290271	261493	248598	15.31
Endrin ketone	334148	304856	361807	361719	324790	337464	7.28
Methoxychlor	123535	109484	129121	130587	116571	121860	7.26
alpha-Chlordane	355945	336455	413078	416970	383736	381236	9.22
gamma-Chlordane	349047	338476	422986	430898	399596	388200	10.91
Chlordane 500 ppb			8568				
Chlordane {2}			40181				
Chlordane {3}			23309				
Chlordane {4}			8096				
Chlordane {5}			10622				
Toxaphene 500 ppb			7001				
Toxaphene {2}			6018				
Toxaphene {3}			6718				
Toxaphene {4}			10792				
Toxaphene {5}			7519				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P

GC Column (2nd): DB-1701P

Data File: P3931.C P3932.C P3928.C P3929.C P3930.C

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	5.60	5.60	5.61	5.60	5.60	5.60	5.53	5.67
beta-BHC	8.71	8.71	8.71	8.71	8.71	8.71	8.64	8.78
gamma-BHC	6.57	6.57	6.58	6.57	6.57	6.57	6.50	6.64
delta-BHC	9.27	9.27	9.28	9.27	9.27	9.28	9.21	9.35
Heptachlor	7.03	7.03	7.04	7.04	7.03	7.03	6.96	7.10
Aldrin	7.71	7.71	7.71	7.71	7.71	7.71	7.64	7.78
Heptachlor epoxide	9.57	9.57	9.58	9.58	9.57	9.58	9.51	9.65
Endosulfan I	10.26	10.26	10.26	10.26	10.26	10.26	10.19	10.33
4,4'-DDE	11.04	11.04	11.04	11.04	11.04	11.04	10.97	11.11
Dieldrin	11.30	11.30	11.31	11.30	11.30	11.30	11.23	11.37
Endrin	11.83	11.83	11.83	11.83	11.83	11.83	11.76	11.90
Endosulfan II	13.29	13.29	13.29	13.29	13.29	13.29	13.22	13.36
4,4'-DDD	13.29	13.29	13.29	13.29	13.29	13.29	13.22	13.36
Endrin aldehyde	14.45	14.45	14.45	14.45	14.45	14.45	14.38	14.52
Endosulfan sulfate	15.35	15.35	15.35	15.35	15.35	15.35	15.28	15.42
4,4'-DDT	13.74	13.74	13.74	13.74	13.74	13.74	13.67	13.81
Endrin ketone	16.38	16.38	16.38	16.38	16.38	16.38	16.31	16.45
Methoxychlor	15.62	15.62	15.62	15.62	15.62	15.62	15.55	15.69
alpha-Chlordane	10.65	10.65	10.66	10.66	10.66	10.66	10.59	10.73
gamma-Chlordane	10.50	10.50	10.50	10.50	10.50	10.50	10.43	10.57
Chlordane 500 ppb			8.27				8.20	8.34
Chlordane {2}			8.41				8.34	8.48
Chlordane {3}			10.50				10.43	10.57
Chlordane {4}			10.66				10.59	10.73
Chlordane {5}			10.71				10.64	10.78
Toxaphene 500 ppb			12.45				12.38	12.52
Toxaphene {2}			12.57				12.50	12.64
Toxaphene {3}			14.07				14.00	14.14
Toxaphene {4}			15.71				15.64	15.78
Toxaphene {5}			16.09				16.02	16.16

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/06/2003

Instrument ID: GC-P

GC Column (2nd): DB-1701P

Data File: P3931.C P3932.C P3928.C P3929.C P3930.C

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	291868	273643	334971	338190	316709	311076	8.96
beta-BHC	139417	112427	127731	124602	115694	123974	8.60
gamma-BHC	272734	250112	303570	303833	284520	282954	7.99
delta-BHC	250280	238526	293457	295884	275698	270769	9.47
Heptachlor	239380	216186	263740	265185	245647	246028	8.17
Aldrin	278618	244103	292162	288835	266209	273986	7.13
Heptachlor epoxide	262268	222710	261317	255667	233231	247038	7.28
Endosulfan I	248401	208140	244378	239089	217069	231415	7.68
4,4'-DDE	211287	190559	238396	239849	219747	219967	9.30
Dieldrin	264059	229400	268082	269164	244544	255050	6.84
Endrin	197551	177450	223088	219896	203997	204396	9.03
Endosulfan II	443896	375666	438633	432160	391293	416330	7.39
4,4'-DDD	443896	375666	438633	432160	391293	416330	7.39
Endrin aldehyde	174116	151680	171323	169651	153210	163996	6.51
Endosulfan sulfate	212264	181364	209249	206106	188440	199485	6.88
4,4'-DDT	101835	112714	144418	163545	153420	135187	19.71
Endrin ketone	253765	213309	242182	234388	215794	231887	7.45
Methoxychlor	60295	73457	83199	85356	81198	76701	13.31
alpha-Chlordane	263416	221890	262494	260398	237610	249162	7.47
gamma-Chlordane	257849	223152	267666	267141	245139	252190	7.39
Chlordane 500 ppb			5854				
Chlordane {2}			4712				
Chlordane {3}			26604				
Chlordane {4}			22795				
Chlordane {5}			15982				
Toxaphene 500 ppb			4402				
Toxaphene {2}			4635				
Toxaphene {3}			6801				
Toxaphene {4}			5866				
Toxaphene {5}			3011				

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-P

Data File: P4205.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.59	4.52	4.66	487784	485453	0.48
beta-BHC	5.09	5.02	5.16	180985	155298	14.19
gamma-BHC	5.23	5.16	5.30	447696	436796	2.43
delta-BHC	5.71	5.64	5.78	418307	413986	1.03
Heptachlor	6.84	6.77	6.91	377762	399628	5.79
Aldrin	7.66	7.59	7.73	414809	426684	2.86
Heptachlor epoxide	8.68	8.61	8.75	370590	379936	2.52
Endosulfan I	9.61	9.54	9.68	339944	357211	5.08
4,4'-DDE	10.38	10.31	10.45	356807	374464	4.95
Dieldrin	10.31	10.24	10.38	362063	377945	4.39
Endrin	10.86	10.79	10.93	324856	345305	6.29
Endosulfan II	11.12	11.05	11.19	315061	333646	5.90
4,4'-DDD	11.50	11.43	11.57	268544	290835	8.30
Endrin aldehyde	11.64	11.57	11.71	248087	233877	5.73
Endosulfan sulfate	12.30	12.23	12.37	272200	284487	4.51
4,4'-DDT	12.53	12.46	12.60	248598	247272	0.53
Endrin ketone	13.51	13.44	13.58	337464	376568	11.59
Methoxychlor	14.21	14.14	14.28	121860	120575	1.05
alpha-Chlordane	9.71	9.64	9.78	381236	402187	5.50
gamma-Chlordane	9.30	9.23	9.37	388200	409412	5.46
					Average %D	4.93
Chlordane 500 ppb	9.50	9.43	9.57	8568	8735	1.95
Chlordane {2}	9.71	9.64	9.78	40181	41622	3.59
Chlordane {3}	9.86	9.79	9.93	23309	24403	4.69
Chlordane {4}	11.53	11.46	11.60	8096	8429	4.11
Chlordane {5}	11.72	11.65	11.79	10622	10748	1.18
Toxaphene 500 ppb	12.91	12.84	12.98	7001	6272	10.42
Toxaphene {2}	13.66	13.59	13.73	6018	5362	10.91
Toxaphene {3}	13.73	13.66	13.80	6718	5764	14.21
Toxaphene {4}	14.70	14.63	14.77	10792	9938	7.91
Toxaphene {5}	15.22	15.15	15.29	7519	6662	11.40
					Average %D	7.04

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-P

Data File: P4205.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.60	5.53	5.67	311076	293793	5.56
beta-BHC	8.70	8.63	8.77	123974	105399	14.98
gamma-BHC	6.56	6.49	6.63	282954	266564	5.79
delta-BHC	9.26	9.19	9.33	270769	253563	6.35
Heptachlor	7.03	6.96	7.10	246028	243819	0.90
Aldrin	7.70	7.63	7.77	273986	269229	1.74
Heptachlor epoxide	9.56	9.49	9.63	247038	241967	2.05
Endosulfan I	10.25	10.18	10.32	231415	229890	0.66
4,4'-DDE	11.03	10.96	11.10	219967	216233	1.70
Dieldrin	11.29	11.22	11.36	255050	251467	1.40
Endrin	11.82	11.75	11.89	204396	205461	0.52
Endosulfan II	13.28	13.21	13.35	416330	424424	1.94
4,4'-DDD	13.28	13.21	13.35	416330	424424	1.94
Endrin aldehyde	14.44	14.37	14.51	163996	145468	11.30
Endosulfan sulfate	15.34	15.27	15.41	199485	198117	0.69
4,4'-DDT	13.73	13.66	13.80	135187	126483	6.44
Endrin ketone	16.37	16.30	16.44	231887	242200	4.45
Methoxychlor	15.61	15.54	15.68	76701	70023	8.71
alpha-Chlordane	10.65	10.58	10.72	249162	249358	0.08
gamma-Chlordane	10.49	10.42	10.56	252190	251898	0.12
					Average %D	3.87
Chlordane 500 ppb	8.27	8.20	8.34	5854	5575	4.78
Chlordane {2}	8.40	8.33	8.47	4712	4542	3.62
Chlordane {3}	10.49	10.42	10.56	26604	26927	1.21
Chlordane {4}	10.65	10.58	10.72	22795	23156	1.58
Chlordane {5}	10.70	10.63	10.77	15982	16170	1.18
Toxaphene 500 ppb	12.44	12.37	12.51	4402	4532	2.95
Toxaphene {2}	12.56	12.49	12.63	4635	4236	8.61
Toxaphene {3}	14.06	13.99	14.13	6801	6267	7.86
Toxaphene {4}	15.70	15.63	15.77	5866	5228	10.89
Toxaphene {5}	16.07	16.00	16.14	3011	2622	12.91
					Average %D	5.56

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-P

Data File: P4215.D GC Column (1st): DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
alpha-BHC	4.59	4.52	4.66	487784	501328	2.78
beta-BHC	5.09	5.02	5.16	180985	164356	9.19
gamma-BHC	5.23	5.16	5.30	447696	459192	2.57
delta-BHC	5.71	5.64	5.78	418307	429044	2.57
Heptachlor	6.83	6.76	6.90	377762	411797	9.01
Aldrin	7.66	7.59	7.73	414809	442250	6.62
Heptachlor epoxide	8.68	8.61	8.75	370590	396468	6.98
Endosulfan I	9.61	9.54	9.68	339944	370770	9.07
4,4'-DDE	10.38	10.31	10.45	356807	393630	10.32
Dieldrin	10.30	10.23	10.37	362063	386262	6.68
Endrin	10.86	10.79	10.93	324856	357192	9.95
Endosulfan II	11.11	11.04	11.18	315061	346643	10.02
4,4'-DDD	11.50	11.43	11.57	268544	296016	10.23
Endrin aldehyde	11.64	11.57	11.71	248087	242669	2.18
Endosulfan sulfate	12.30	12.23	12.37	272200	296027	8.75
4,4'-DDT	12.53	12.46	12.60	248598	264917	6.56
Endrin ketone	13.51	13.44	13.58	337464	386646	14.57
Methoxychlor	14.21	14.14	14.28	121860	128534	5.48
alpha-Chlordane	9.71	9.64	9.78	381236	418586	9.80
gamma-Chlordane	9.30	9.23	9.37	388200	426780	9.94
					Average %D	7.66

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/24/2003 Instrument ID: GC-P

Data File: P4215.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
alpha-BHC	5.59	5.52	5.66	311076	303631	2.39
beta-BHC	8.70	8.63	8.77	123974	104011	16.10
gamma-BHC	6.56	6.49	6.63	282954	275221	2.73
delta-BHC	9.26	9.19	9.33	270769	259233	4.26
Heptachlor	7.02	6.95	7.09	246028	251428	2.19
Aldrin	7.70	7.63	7.77	273986	275798	0.66
Heptachlor epoxide	9.56	9.49	9.63	247038	248012	0.39
Endosulfan I	10.25	10.18	10.32	231415	235815	1.90
4,4'-DDE	11.03	10.96	11.10	219967	222515	1.16
Dieldrin	11.29	11.22	11.36	255050	257971	1.15
Endrin	11.82	11.75	11.89	204396	212715	4.07
Endosulfan II	13.28	13.21	13.35	416330	435453	4.59
4,4'-DDD	13.28	13.21	13.35	416330	435453	4.59
Endrin aldehyde	14.44	14.37	14.51	163996	141637	13.63
Endosulfan sulfate	15.34	15.27	15.41	199485	206246	3.39
4,4'-DDT	13.73	13.66	13.80	135187	140203	3.71
Endrin ketone	16.37	16.30	16.44	231887	248898	7.34
Methoxychlor	15.61	15.54	15.68	76701	79297	3.38
alpha-Chlordane	10.64	10.57	10.71	249162	256337	2.88
gamma-Chlordane	10.49	10.42	10.56	252190	258770	2.61
					Average %D	4.16

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-P

Data File: P4218.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.59	4.52	4.66	487784	491140	0.69
beta-BHC	5.09	5.02	5.16	180985	157273	13.10
gamma-BHC	5.23	5.16	5.30	447696	449484	0.40
delta-BHC	5.71	5.64	5.78	418307	423803	1.31
Heptachlor	6.83	6.76	6.90	377762	410202	8.59
Aldrin	7.66	7.59	7.73	414809	429227	3.48
Heptachlor epoxide	8.68	8.61	8.75	370590	386516	4.30
Endosulfan I	9.61	9.54	9.68	339944	361364	6.30
4,4'-DDE	10.38	10.31	10.45	356807	385642	8.08
Dieldrin	10.30	10.23	10.37	362063	380005	4.96
Endrin	10.86	10.79	10.93	324856	350014	7.74
Endosulfan II	11.11	11.04	11.18	315061	336452	6.79
4,4'-DDD	11.50	11.43	11.57	268544	293560	9.32
Endrin aldehyde	11.64	11.57	11.71	248087	239628	3.41
Endosulfan sulfate	12.30	12.23	12.37	272200	289189	6.24
4,4'-DDT	12.53	12.46	12.60	248598	255125	2.63
Endrin ketone	13.51	13.44	13.58	337464	386842	14.63
Methoxychlor	14.21	14.14	14.28	121860	124697	2.33
alpha-Chlordane	9.71	9.64	9.78	381236	404249	6.04
gamma-Chlordane	9.30	9.23	9.37	388200	409638	5.52
					Average %D	5.79
Chlordane 500 ppb	9.50	9.43	9.57	8568	8978	4.79
Chlordane {2}	9.71	9.64	9.78	40181	45475	13.18
Chlordane {3}	9.86	9.79	9.93	23309	26775	14.87
Chlordane {4}	11.54	11.47	11.61	8096	8442	4.27
Chlordane {5}	11.71	11.64	11.78	10622	11382	7.16
Toxaphene 500 ppb	12.91	12.84	12.98	7001	7001	0.01
Toxaphene {2}	13.66	13.59	13.73	6018	5877	2.34
Toxaphene {3}	13.73	13.66	13.80	6718	5783	13.92
Toxaphene {4}	14.70	14.63	14.77	10792	11211	3.89
Toxaphene {5}	15.22	15.15	15.29	7519	6483	13.78
					Average %D	7.82

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-P

Data File: P4218.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.59	5.52	5.66	311076	300466	3.41
beta-BHC	8.69	8.62	8.76	123974	107917	12.95
gamma-BHC	6.56	6.49	6.63	282954	272026	3.86
delta-BHC	9.26	9.19	9.33	270769	258487	4.54
Heptachlor	7.02	6.95	7.09	246028	247074	0.43
Aldrin	7.70	7.63	7.77	273986	270669	1.21
Heptachlor epoxide	9.56	9.49	9.63	247038	245078	0.79
Endosulfan I	10.24	10.17	10.31	231415	231728	0.14
4,4'-DDE	11.03	10.96	11.10	219967	217796	0.99
Dieldrin	11.29	11.22	11.36	255050	254737	0.12
Endrin	11.81	11.74	11.88	204396	206815	1.18
Endosulfan II	13.27	13.20	13.34	416330	431090	3.55
4,4'-DDD	13.27	13.20	13.34	416330	431090	3.55
Endrin aldehyde	14.43	14.36	14.50	163996	140442	14.36
Endosulfan sulfate	15.34	15.27	15.41	199485	196917	1.29
4,4'-DDT	13.72	13.65	13.79	135187	123583	8.58
Endrin ketone	16.36	16.29	16.43	231887	246470	6.29
Methoxychlor	15.61	15.54	15.68	76701	67486	12.01
alpha-Chlordane	10.64	10.57	10.71	249162	249675	0.21
gamma-Chlordane	10.49	10.42	10.56	252190	251404	0.31
					Average %D	3.99
Chlordane 500 ppb	8.26	8.19	8.33	5854	6419	9.64
Chlordane {2}	8.40	8.33	8.47	4712	5152	9.34
Chlordane {3}	10.49	10.42	10.56	26604	30485	14.59
Chlordane {4}	10.64	10.57	10.71	22795	25661	12.57
Chlordane {5}	10.70	10.63	10.77	15982	16821	5.25
Toxaphene 500 ppb	12.44	12.37	12.51	4402	5025	14.15
Toxaphene {2}	12.56	12.49	12.63	4635	5175	11.66
Toxaphene {3}	14.05	13.98	14.12	6801	7289	7.18
Toxaphene {4}	15.70	15.63	15.77	5866	6398	9.07
Toxaphene {5}	16.08	16.01	16.15	3011	2569	14.68
					Average %D	10.81

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-P

Data File: P4246.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.59	4.52	4.66	487784	470815	3.48
beta-BHC	5.09	5.02	5.16	180985	157412	13.03
gamma-BHC	5.23	5.16	5.30	447696	431345	3.65
delta-BHC	5.71	5.64	5.78	418307	414430	0.93
Heptachlor	6.83	6.76	6.90	377762	392113	3.80
Aldrin	7.66	7.59	7.73	414809	409409	1.30
Heptachlor epoxide	8.68	8.61	8.75	370590	367082	0.95
Endosulfan I	9.61	9.54	9.68	339944	345692	1.69
4,4'-DDE	10.38	10.31	10.45	356807	370910	3.95
Dieldrin	10.30	10.23	10.37	362063	364925	0.79
Endrin	10.86	10.79	10.93	324856	357820	10.15
Endosulfan II	11.11	11.04	11.18	315061	325540	3.33
4,4'-DDD	11.50	11.43	11.57	268544	305599	13.80
Endrin aldehyde	11.64	11.57	11.71	248087	219387	11.57
Endosulfan sulfate	12.30	12.23	12.37	272200	290399	6.69
4,4'-DDT	12.53	12.46	12.60	248598	241325	2.93
Endrin ketone	13.51	13.44	13.58	337464	362467	7.41
Methoxychlor	14.21	14.14	14.28	121860	127061	4.27
alpha-Chlordane	9.71	9.64	9.78	381236	381426	0.05
gamma-Chlordane	9.30	9.23	9.37	388200	391056	0.74
					Average %D	4.72

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/25/2003 Instrument ID: GC-P

Data File: P4246.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.59	5.52	5.66	311076	298274	4.12
beta-BHC	8.70	8.63	8.77	123974	102817	17.07
gamma-BHC	6.56	6.49	6.63	282954	270160	4.52
delta-BHC	9.26	9.19	9.33	270769	260999	3.61
Heptachlor	7.02	6.95	7.09	246028	234660	4.62
Aldrin	7.70	7.63	7.77	273986	266793	2.63
Heptachlor epoxide	9.56	9.49	9.63	247038	240699	2.57
Endosulfan I	10.24	10.17	10.31	231415	229620	0.78
4,4'-DDE	11.02	10.95	11.09	219967	228941	4.08
Dieldrin	11.29	11.22	11.36	255050	247166	3.09
Endrin	11.82	11.75	11.89	204396	226513	10.82
Endosulfan II	13.28	13.21	13.35	416330	448000	7.61
4,4'-DDD	13.28	13.21	13.35	416330	448000	7.61
Endrin aldehyde	14.43	14.36	14.50	163996	140456	14.35
Endosulfan sulfate	15.33	15.26	15.40	199485	201798	1.16
4,4'-DDT	13.72	13.65	13.79	135187	118696	12.20
Endrin ketone	16.36	16.29	16.43	231887	241956	4.34
Methoxychlor	15.60	15.53	15.67	76701	65774	14.25
alpha-Chlordane	10.64	10.57	10.71	249162	245545	1.45
gamma-Chlordane	10.49	10.42	10.56	252190	250642	0.61
					Average %D	6.07

PESTICIDE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/24/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(01304.01345)	0224-BK2	AQUEOUS	61		55		60		53	
FIELD_BLANK	01304-001	AQUEOUS	56		56		59		58	
FB022103	01329-013	AQUEOUS	50		52		54		54	
S-1	01315-001	AQUEOUS	43		59		47		64	
FB-1	01315-003	AQUEOUS	53		55		56		58	
FIELD_BLANK	01327-001	AQUEOUS	54		56		57		60	
EXP_02/06/05	01345-001	AQUEOUS	63		56		60		55	
PEST	PBA0224-MS2	AQUEOUS	63		56		60		54	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PESTICIDE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/25/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(01327.01360)	0225-BK1	AQUEOUS	51		46		50		46	
S-3	01348-003	SOIL	40		38		40		38	
S-4	01348-004	SOIL	67		58		65		57	
S-5	01348-005	SOIL	36		39		36		40	
S-6	01348-006	SOIL	52		59		51		57	
S-7	01348-007	SOIL	51		54		50		53	
S-8	01348-008	SOIL	50		54		50		53	
S-9	01348-009	SOIL	57		55		45		53	
S-10	01348-010	SOIL	42		55		43		54	
SS-1	01360-001	SOIL	47		44		47		44	
SS-2	01360-002	SOIL	32		34		33		34	
SB-T24-23/23-2	01327-003	SOIL	66		49		67		51	
SB-T24-0/0-0.5	01327-004	SOIL	47		41		49		44	
SB-T26-0/0-0.5	01327-005	SOIL	61		49		62		50	
SB-T26-8.5/8.5	01327-006	SOIL	51		54		59		43	
SB-T26-30.5/30	01327-007	SOIL	113		87		115		92	
SB-X11-0/0-0.5	01327-008	SOIL	61		54		64		52	
SB-X11-26.5/26	01327-010	SOIL	63		51		66		50	
S-1	01348-001	SOIL	63		55		64		52	
S-2	01348-002	SOIL	51		43		53		44	
PEST	01360-001MS1	SOIL	58		49		58		51	
PEST	PBS0225-MS1	SOIL	42		40		43		42	
PEST	01360-001MSD1	SOIL	62		50		63		57	
SB-X11-10.5/10.5	01327-009	SOIL	58		62		64		67	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

AQUEOUS PESTICIDES MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01144-002MSD3

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	91.4	91	41 - 148
Heptachlor	100.0	0.0	95.7	96	37 - 164
Aldrin	100.0	0.0	94.3	94	37 - 151
Dieldrin	100.0	0.0	94.0	94	52 - 143
Endrin	100.0	0.0	97.1	97	54 - 166
4,4'-DDT	100.0	0.0	96.8	97	23 - 196

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	0.0	96.4		96	5	15	41 - 148
Heptachlor	0.0	100.6		101	5	14	37 - 164
Aldrin	0.0	99.2		99	5	14	37 - 151
Dieldrin	0.0	99.3		99	5	14	52 - 143
Endrin	0.0	101.7		102	5	13	54 - 166
4,4'-DDT	0.0	102.5		103	6	16	23 - 196

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __6__ outside limits

Spike Recovery: __0___ out of __12__ outside limits

AQUEOUS PESTICIDES BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBA0224-MS2

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	138.9	139	41 - 148
Heptachlor	100.0	0.0	146.9	147	37 - 164
Aldrin	100.0	0.0	145.7	146	37 - 151
Dieldrin	100.0	0.0	142.0	142	52 - 143
Endrin	100.0	0.0	150.3	150	54 - 166
4,4'-DDT	100.0	0.0	148.7	149	23 - 196

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
NC Non calculable

Spike Recovery: __0___ out of __6__ outside limits

SOIL PESTICIDES MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01360-001MSD1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	113.6	114	41 - 148
Heptachlor	100.0	0.0	122.1	122	37 - 164
Aldrin	100.0	0.0	117.8	118	37 - 151
Dieldrin	100.0	0.0	122.0	122	52 - 143
Endrin	100.0	0.0	134.9	135	54 - 166
4,4'-DDT	100.0	0.0	117.2	117	23 - 196

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	0.0	119.4		119	4		18	41 - 148
Heptachlor	0.0	129.7		130	6		21	37 - 164
Aldrin	0.0	122.9		123	4		19	37 - 151
Dieldrin	0.0	124.8		125	2		15	52 - 143
Endrin	0.0	137.0		137	1		19	54 - 166
4,4'-DDT	0.0	122.6		123	5		26	23 - 196

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __6__ outside limits

Spike Recovery: __0___ out of __12__ outside limits

SOIL PESTICIDES BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBS0225-MS1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	85.0	85	41 - 148
Heptachlor	100.0	0.0	90.8	91	37 - 164
Aldrin	100.0	0.0	87.7	88	37 - 151
Dieldrin	100.0	0.0	92.7	93	52 - 143
Endrin	100.0	0.0	103.2	103	54 - 166
4,4'-DDT	100.0	0.0	89.5	90	23 - 196

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
NC Non calculable

Spike Recovery: __0___ out of __6__ outside limits

PESTICIDE RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-P **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.89 **DCB 1** 18.84 **TCMX 2** 3.67 **DCB 2** 18.68

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(01304.01345)	0224-BK2	02/24/2003	17:34	3.89		18.84		3.67		18.68	
FIELD_BLANK	01304-001	02/24/2003	17:58	3.90		18.84		3.67		18.68	
FB022103	01329-013	02/24/2003	18:22	3.89		18.84		3.67		18.69	
S-1	01315-001	02/24/2003	18:46	3.90		18.84		3.67		18.68	
FB-1	01315-003	02/24/2003	19:11	3.90		18.84		3.67		18.68	
FIELD_BLANK	01327-001	02/24/2003	19:35	3.90		18.84		3.67		18.68	
EXP_02/06/05	01345-001	02/24/2003	19:59	3.90		18.84		3.67		18.68	
PEST	PBA0224-MS2	02/24/2003	20:23	3.90		18.84		3.67		18.68	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PESTICIDE RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-P **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.89 **DCB 1** 18.84 **TCMX 2** 3.66 **DCB 2** 18.68

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(01327.01360)	0225-BK1	02/25/2003	13:58	3.89		18.84		3.66		18.68	
S-3	01348-003	02/25/2003	14:22	3.89		18.84		3.66		18.68	
S-4	01348-004	02/25/2003	14:46	3.89		18.84		3.66		18.68	
S-5	01348-005	02/25/2003	15:10	3.89		18.84		3.66		18.68	
S-6	01348-006	02/25/2003	15:35	3.89		18.84		3.67		18.68	
S-7	01348-007	02/25/2003	15:59	3.89		18.84		3.66		18.68	
S-8	01348-008	02/25/2003	16:23	3.89		18.84		3.66		18.68	
S-9	01348-009	02/25/2003	16:47	3.89		18.84		3.66		18.68	
S-10	01348-010	02/25/2003	17:12	3.89		18.84		3.66		18.68	
SS-1	01360-001	02/25/2003	17:36	3.89		18.84		3.66		18.68	
SS-2	01360-002	02/25/2003	18:00	3.90		18.84		3.67		18.67	
SB-T24-23/23-2	01327-003	02/25/2003	18:24	3.89		18.84		3.66		18.67	
SB-T24-0/0-0.5	01327-004	02/25/2003	18:49	3.89		18.83		3.66		18.67	
SB-T26-0/0-0.5	01327-005	02/25/2003	19:13	3.89		18.84		3.66		18.67	
SB-T26-8.5/8.5	01327-006	02/25/2003	19:37	3.90		18.84		3.67		18.67	
SB-T26-30.5/30	01327-007	02/25/2003	20:01	3.89		18.84		3.66		18.67	
SB-X11-0/0-0.5	01327-008	02/25/2003	20:25	3.89		18.84		3.66		18.67	
SB-X11-26.5/26	01327-010	02/25/2003	21:14	3.89		18.84		3.66		18.67	
S-1	01348-001	02/25/2003	21:38	3.90		18.84		3.67		18.67	
S-2	01348-002	02/25/2003	22:02	3.89		18.84		3.66		18.67	
PEST	01360-001MS1	02/25/2003	22:26	3.90		18.84		3.67		18.67	
PEST	PBS0225-MS1	02/25/2003	22:51	3.89		18.84		3.67		18.67	
PEST	01360-001MSD1	02/25/2003	23:15	3.89		18.84		3.66		18.67	
SB-X11-10.5/10.5	01327-009	02/26/2003	20:21	3.91		18.84		3.68		18.67	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.05 Minutes)

DCB = Decachlorobiphenyl (± 0.05 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4212.D\ECD1B.CH Vial: 10
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4212.D\ECD2A.CH
Acq On : 24 Feb 2003 19:35 Operator: L,YURU
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 19:56:54 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	6835025	4450546	10.787	11.374
Spiked Amount 100.000			Recovery =		10.79%	11.37%
2) S DCB	18.84	18.68	2432502	1646202	11.155m	11.930m
Spiked Amount 100.000			Recovery =		11.15%	11.93%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

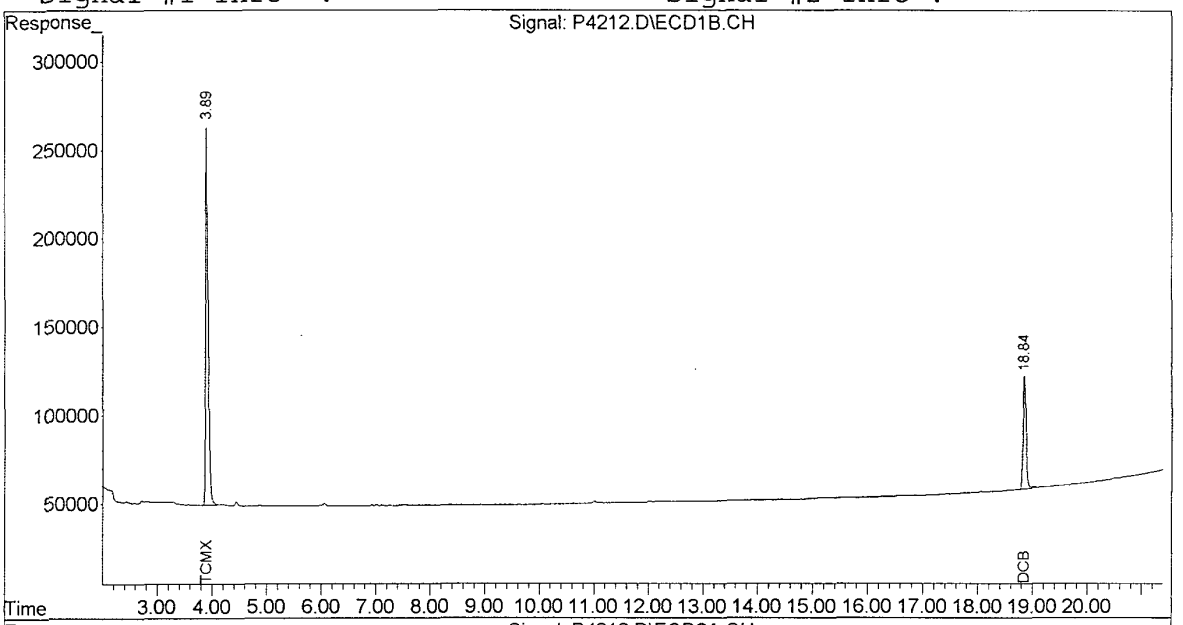
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

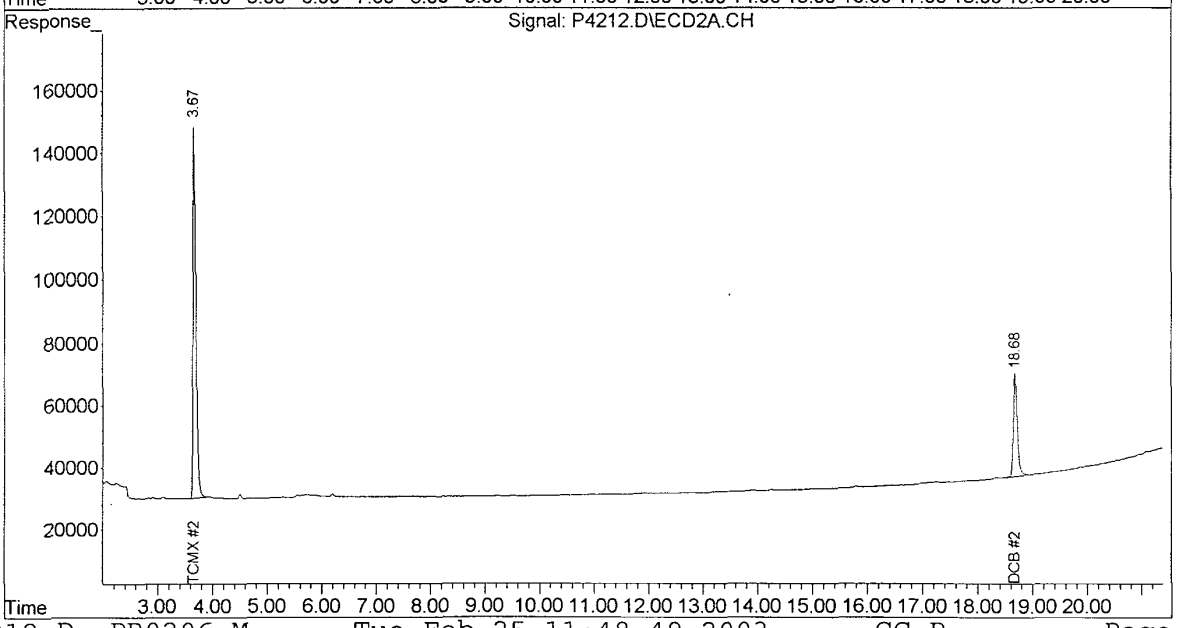
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4212.D\ECD1B.CH Vial: 10
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4212.D\ECD2A.CH
Acq On : 24 Feb 2003 19:35 Operator: L,YURU
Sample : FIELD_BLANK,01327-001,A,1000ml,100,02/24 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,5 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:48 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4233.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4233.D\ECD2A.CH
Acq On : 25 Feb 2003 18:24 Operator: L,YURU
Sample : SB-T24-23/23-2,01327-003,S,5.14g,38.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 18:46:21 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	42081498	26195146	66.413	66.945
Spiked Amount 100.000			Recovery	=	66.41%	66.94%
2) S DCB	18.84	18.67	10585874	7048021	48.545	51.075
Spiked Amount 100.000			Recovery	=	48.55%	51.08%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

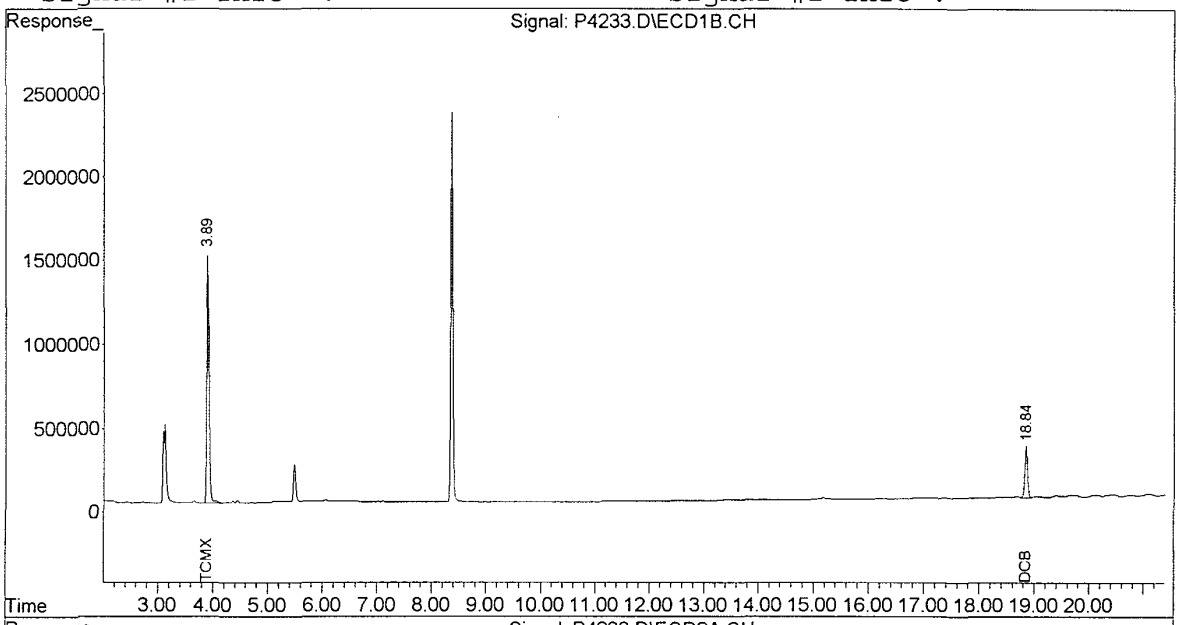
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

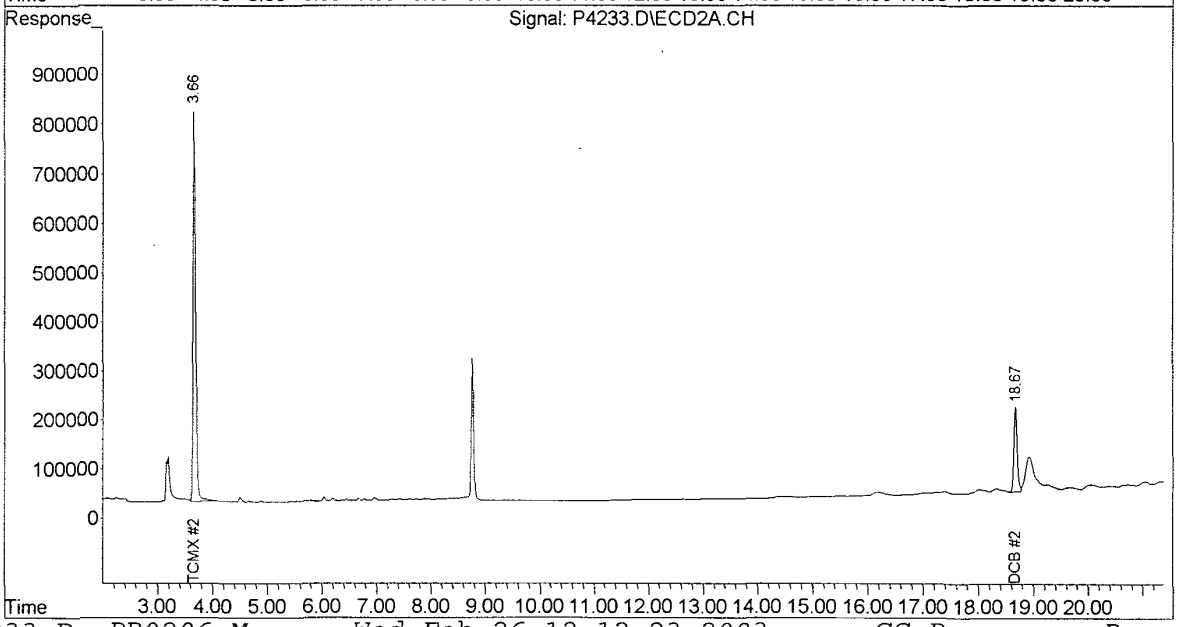
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4233.D\ECD1B.CH Vial: 18
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4233.D\ECD2A.CH
Acq On : 25 Feb 2003 18:24 Operator: L,YURU
Sample : SB-T24-23/23-2,01327-003,S,5.14g,38.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 12:12 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4234.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4234.D\ECD2A.CH
Acq On : 25 Feb 2003 18:49 Operator: L,YURU
Sample : SB-T24-0/0-0.5,01327-004,S,5.30g,15.9,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 19:10:34 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	29739849	19078837	46.936m	48.758m
Spiked Amount 100.000			Recovery	=	46.94%	48.76%
2) S DCB	18.83	18.67	8973549	6053720	41.151m	43.870m
Spiked Amount 100.000			Recovery	=	41.15%	43.87%
Target Compounds						
14) T Endosulfan II	11.10	13.29	478431	923348	1.519m	2.218m#
15) T 4,4'-DDD	11.49	13.29	384857	987266	1.433m	2.371m#
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

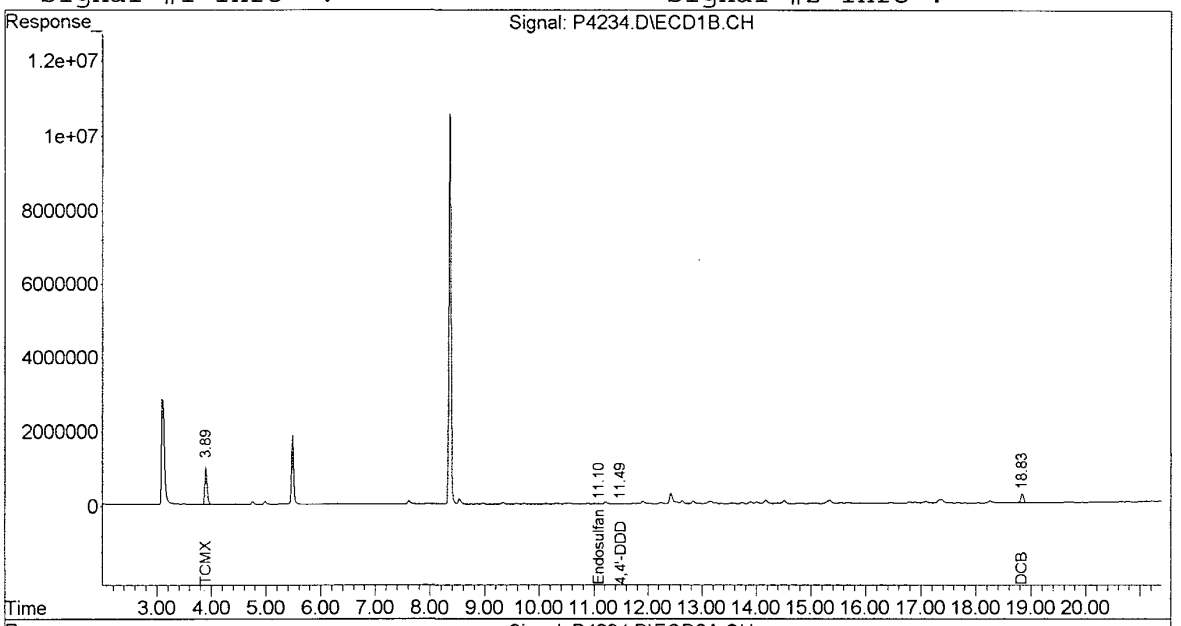
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

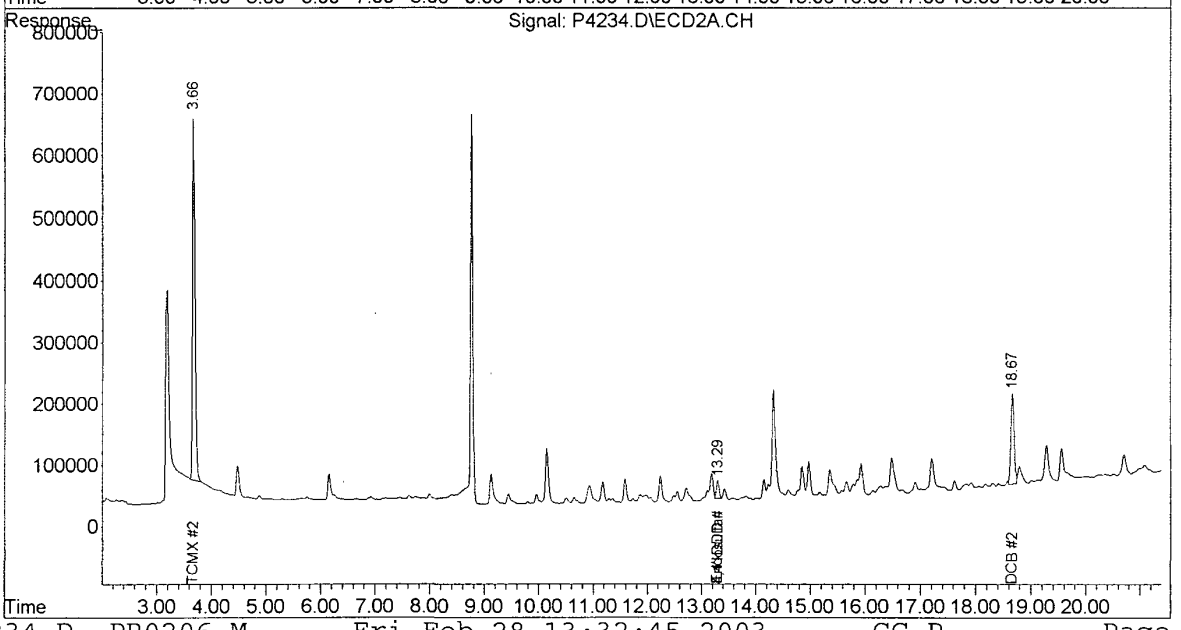
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4234.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4234.D\ECD2A.CH
Acq On : 25 Feb 2003 18:49 Operator: L,YURU
Sample : SB-T24-0/0-0.5,01327-004,S,5.30g,15.9,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 8:01 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4235.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4235.D\ECD2A.CH
Acq On : 25 Feb 2003 19:13 Operator: L,YURU
Sample : SB-T26-0/0-0.5,01327-005,S,5.54g,10.5,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 08:05:17 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	38662793	24411221	61.018	62.386
Spiked Amount 100.000			Recovery =		61.02%	62.39%
2) S DCB	18.84	18.67	10567521	6929219	48.460	50.214
Spiked Amount 100.000			Recovery =		48.46%	50.21%
Target Compounds						
21) T alpha-Chlordane	9.71	10.64	1714573	987499	4.497m	3.963m
22) T gamma-Chlordane	9.30	10.49	1668773	928148	4.299m	3.680m
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

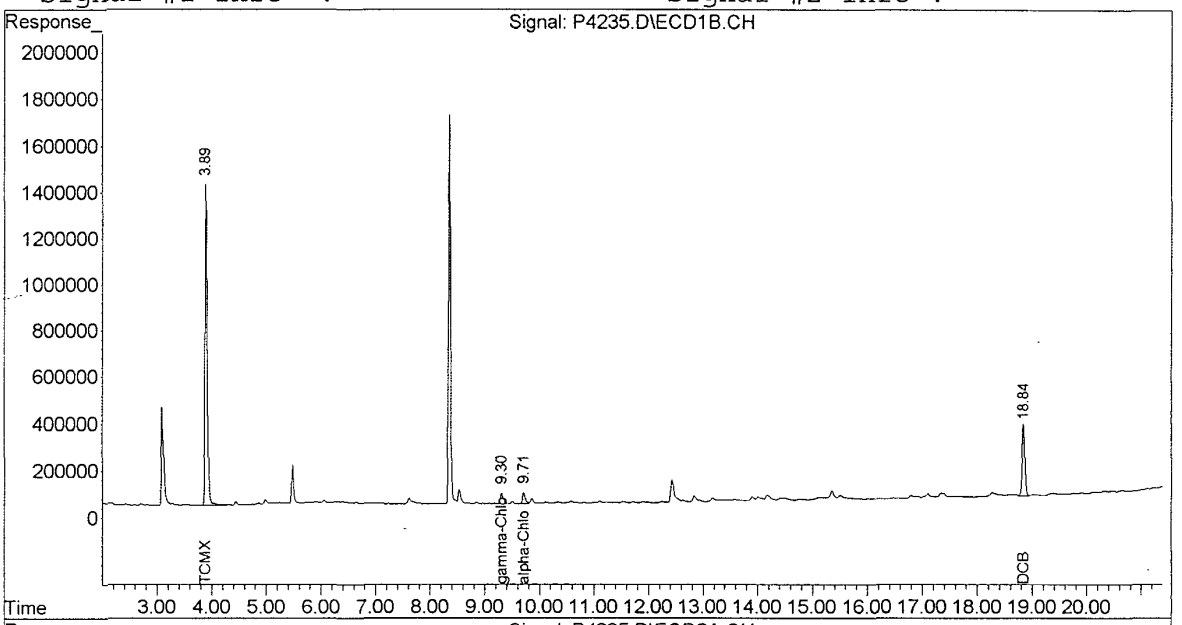
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

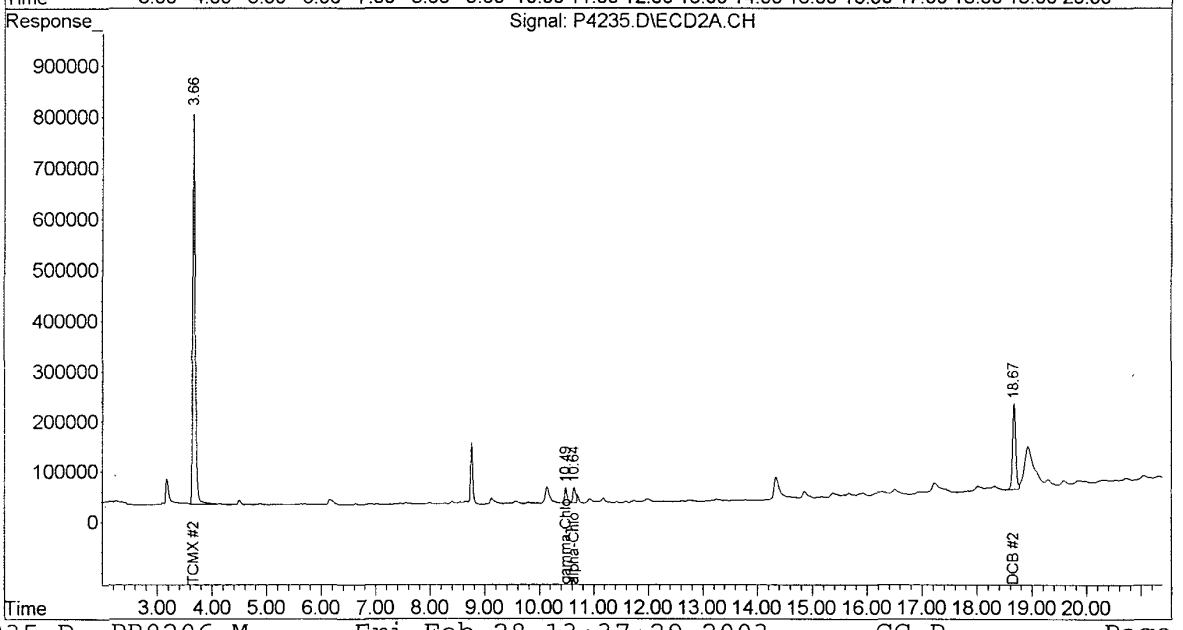
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4235.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4235.D\ECD2A.CH
Acq On : 25 Feb 2003 19:13 Operator: L,YURU
Sample : SB-T26-0/0-0.5,01327-005,S,5.54g,10.5,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 13:36 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0453

302791

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4236.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4236.D\ECD2A.CH
Acq On : 25 Feb 2003 19:37 Operator: L,YURU
Sample : SB-T26-8.5/8.5,01327-006,S,5.69g,19.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 19:58:59 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	32174535	23125439	50.778	59.100
Spiked Amount 100.000			Recovery	=	50.78%	59.10%
2) S DCB	18.84	18.67	11690525	5906924	53.610m	42.806m
Spiked Amount 100.000			Recovery	=	53.61%	42.81%
Target Compounds						
15) T 4,4'-DDD	11.50	13.29	617171	979795	2.298	2.353
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

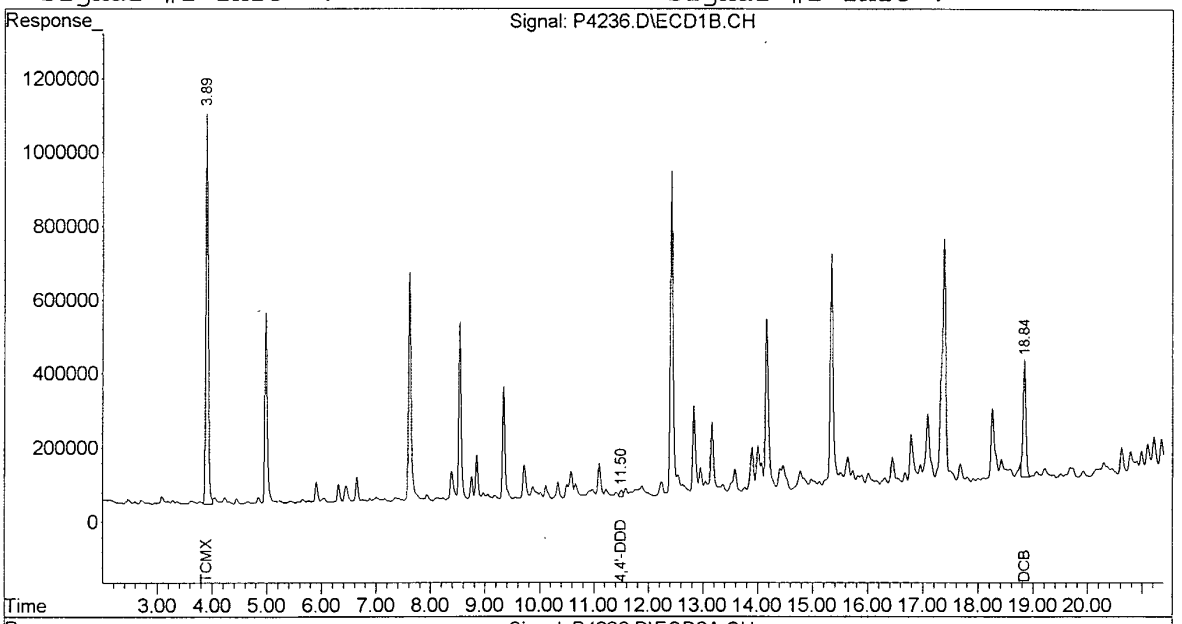
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

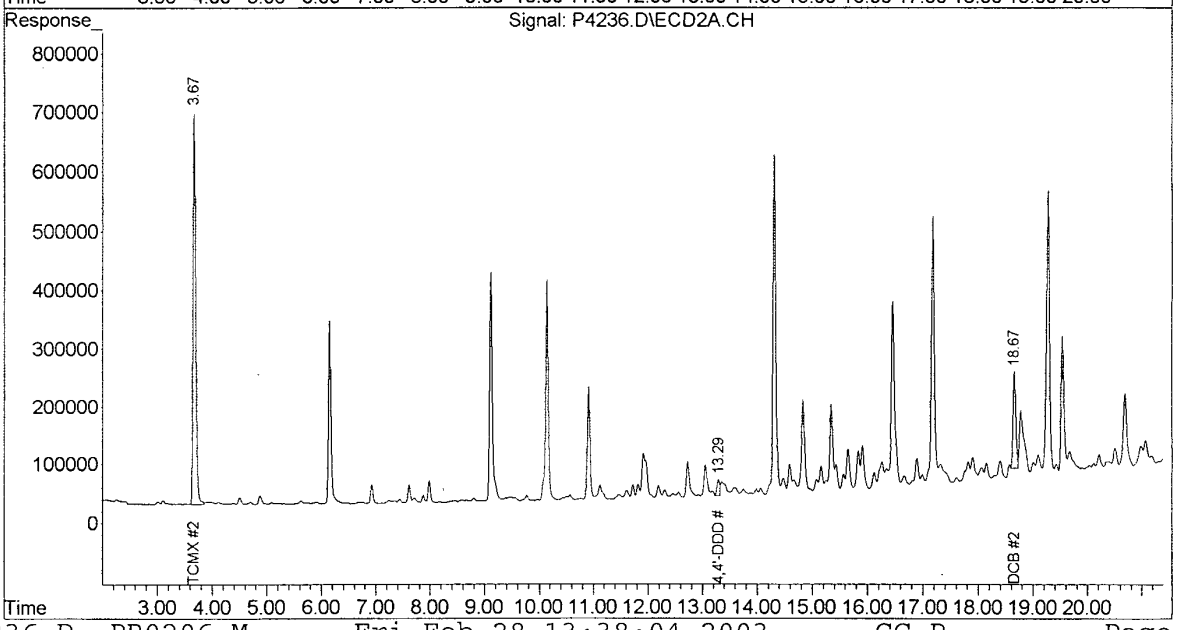
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4236.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4236.D\ECD2A.CH
Acq On : 25 Feb 2003 19:37 Operator: L,YURU
Sample : SB-T26-8.5/8.5,01327-006,S,5.69g,19.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 17:06 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0455

302793

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4237.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4237.D\ECD2A.CH
Acq On : 25 Feb 2003 20:01 Operator: L,YURU
Sample : SB-T26-30.5/30,01327-007,S,5.13g,33.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 20:23:18 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	71881465	45074942	113.444m	115.194m
Spiked Amount 100.000			Recovery	=	113.44%	115.19%
2) S DCB	18.84	18.67	19026836	12692637	87.253m	91.980
Spiked Amount 100.000			Recovery	=	87.25%	91.98%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

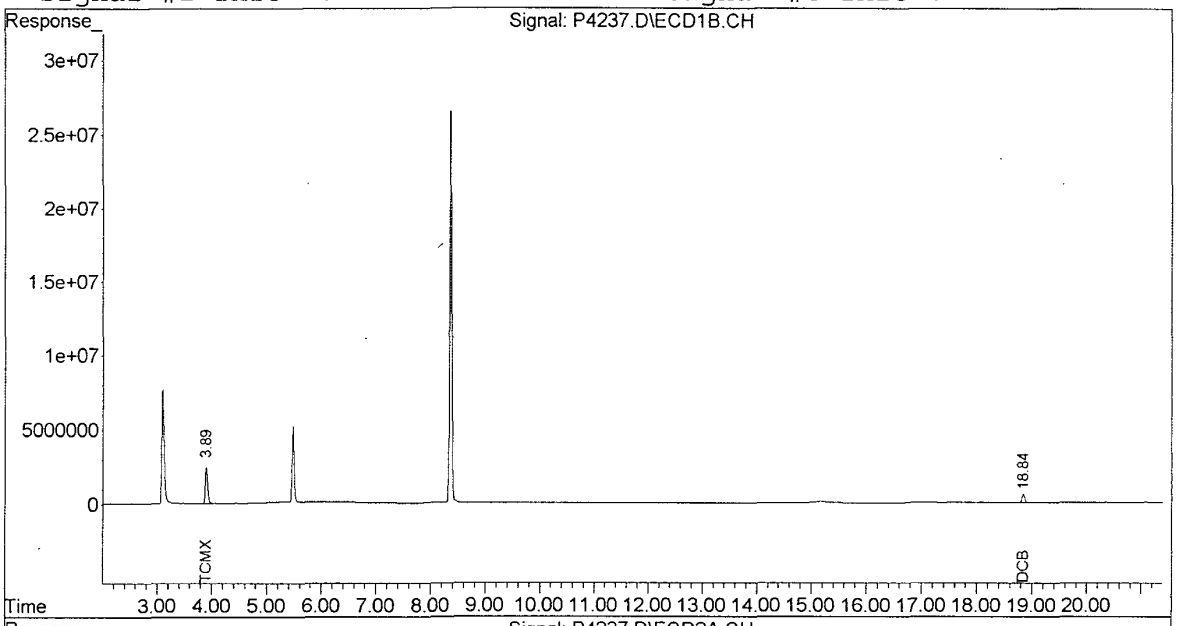
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

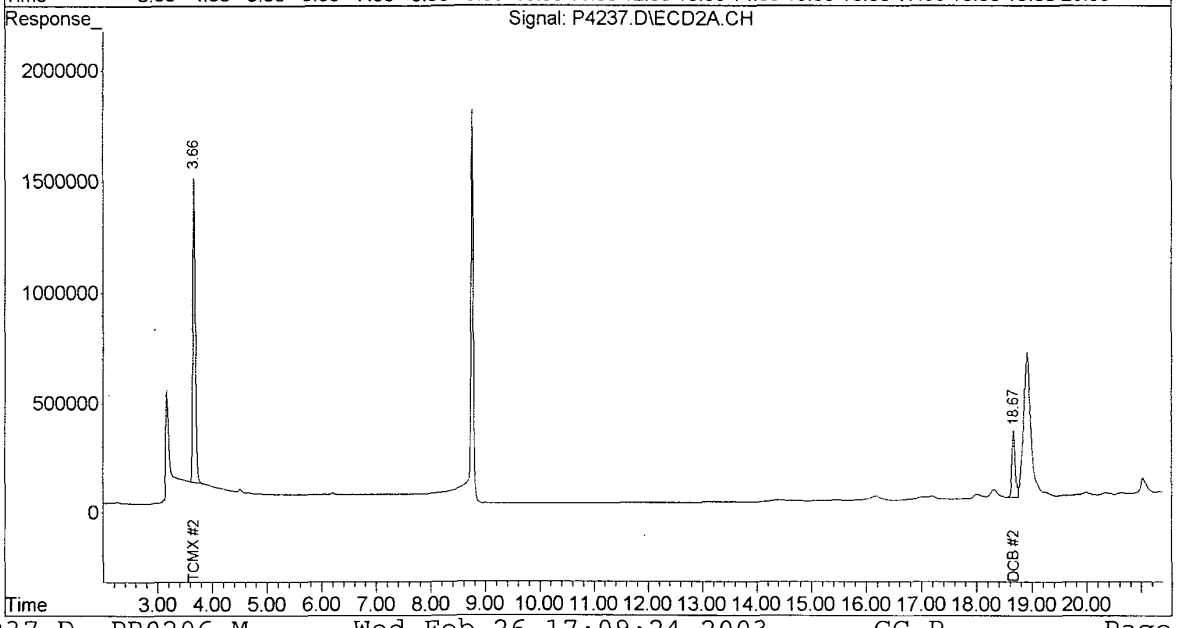
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4237.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4237.D\ECD2A.CH
Acq On : 25 Feb 2003 20:01 Operator: L,YURU
Sample : SB-T26-30.5/30,01327-007,S,5.13g,33.4,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 17:09 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0457

302795

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4238.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4238.D\ECD2A.CH
Acq On : 25 Feb 2003 20:25 Operator: L,YURU
Sample : SB-X11-0/0-0.5,01327-008,S,5.54g,10.6,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 20:47:31 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	38372333	25062127	60.559m	64.049m
Spiked Amount 100.000			Recovery	=	60.56%	64.05%
2) S DCB	18.84	18.67	11836132	7152550	54.278	51.833
Spiked Amount 100.000			Recovery	=	54.28%	51.83%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

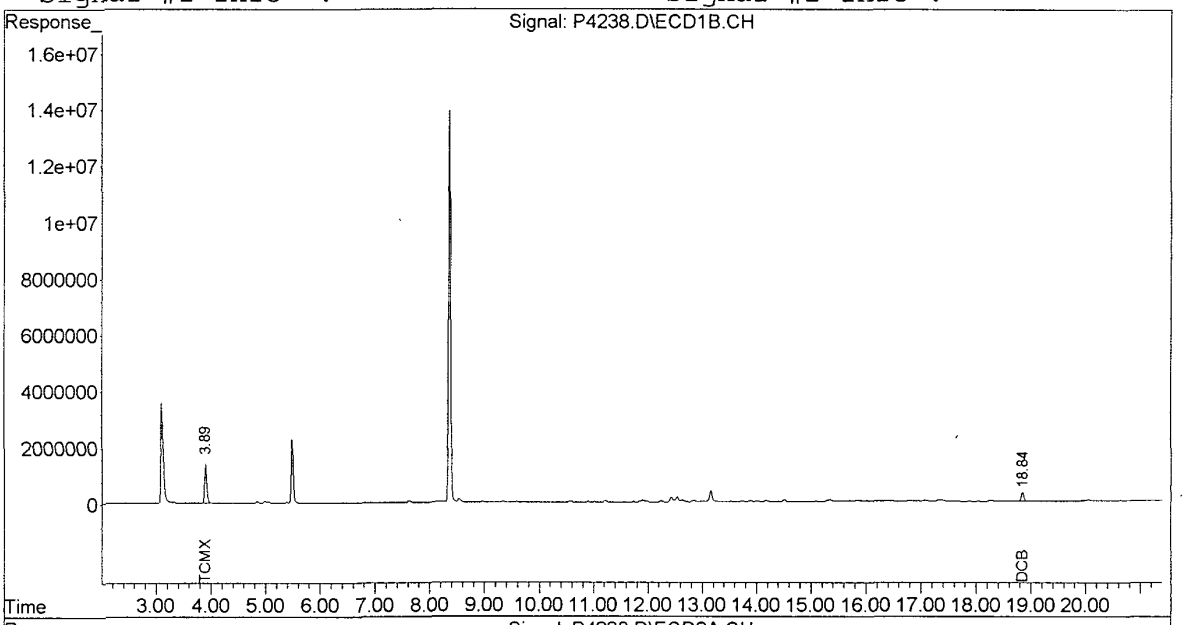
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

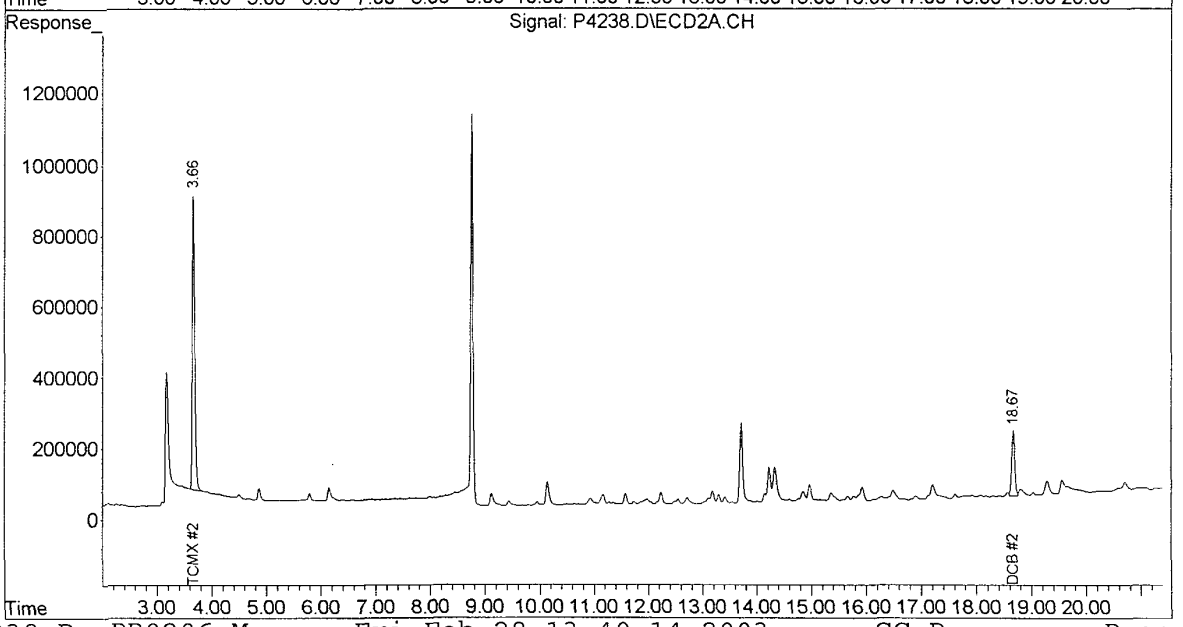
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4238.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4238.D\ECD2A.CH
Acq On : 25 Feb 2003 20:25 Operator: L,YURU
Sample : SB-X11-0/0-0.5,01327-008,S,5.54g,10.6,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 13:40 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0459

302797

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4268.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4268.D\ECD2A.CH
Acq On : 26 Feb 2003 20:21 Operator: L,YURU
Sample : SB-X11-10.5/10.5,01327-009,S,5.29g,17.6, Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 20:42:29 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.91	3.68	36508620	24887708	57.618	63.603
Spiked Amount 100.000			Recovery	=	57.62%	63.60%
2) S DCB	18.84	18.67	13555350	9201454	62.162	66.680
Spiked Amount 100.000			Recovery	=	62.16%	66.68%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

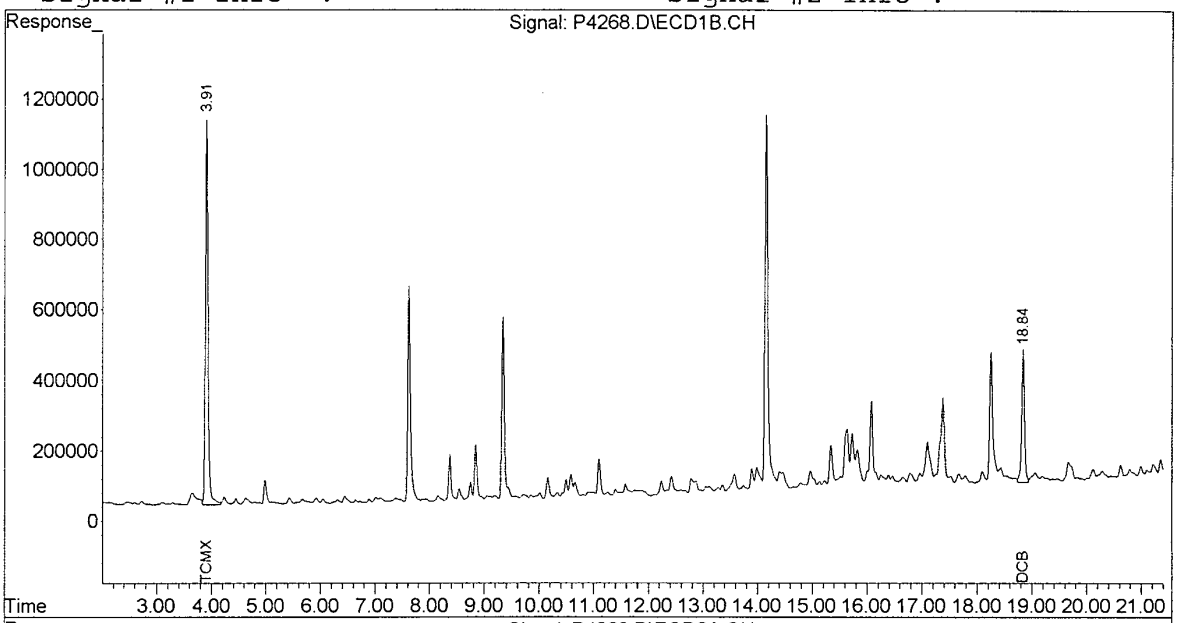
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

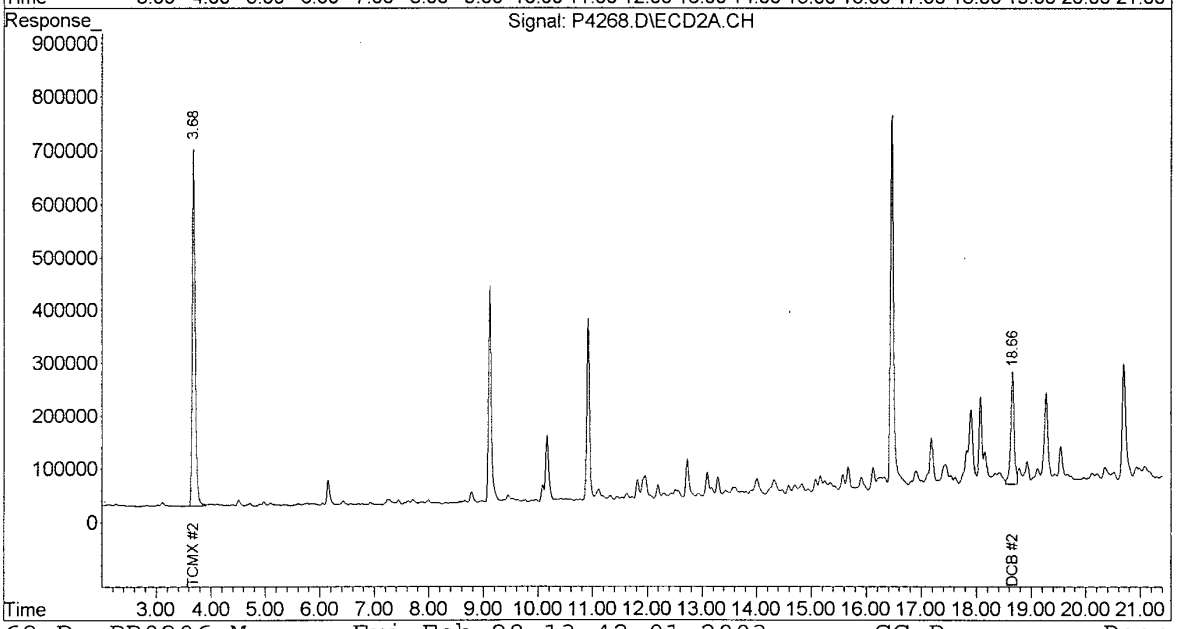
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4268.D\ECD1B.CH Vial: 19
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4268.D\ECD2A.CH
Acq On : 26 Feb 2003 20:21 Operator: L,YURU
Sample : SB-X11-10.5/10.5,01327-009,S,5.29g,17.6, Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 11:33 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0461

302799

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4240.D\ECD1B.CH Vial: 25
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4240.D\ECD2A.CH
Acq On : 25 Feb 2003 21:14 Operator: L,YURU
Sample : SB-X11-26.5/26,01327-010,S,5.47g,16.1,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 21:35:58 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	39674850	25620048	62.615	65.475
Spiked Amount 100.000			Recovery =		62.61%	65.47%
2) S DCB	18.84	18.67	11059290	6828854	50.716m	49.487
Spiked Amount 100.000			Recovery =		50.72%	49.49%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

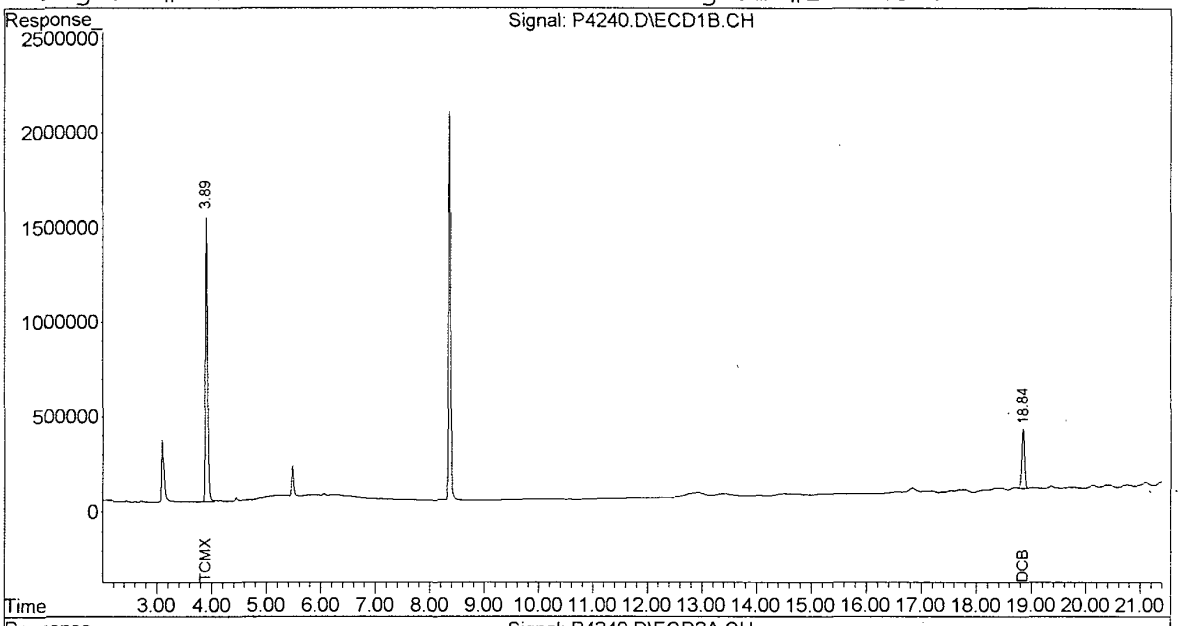
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

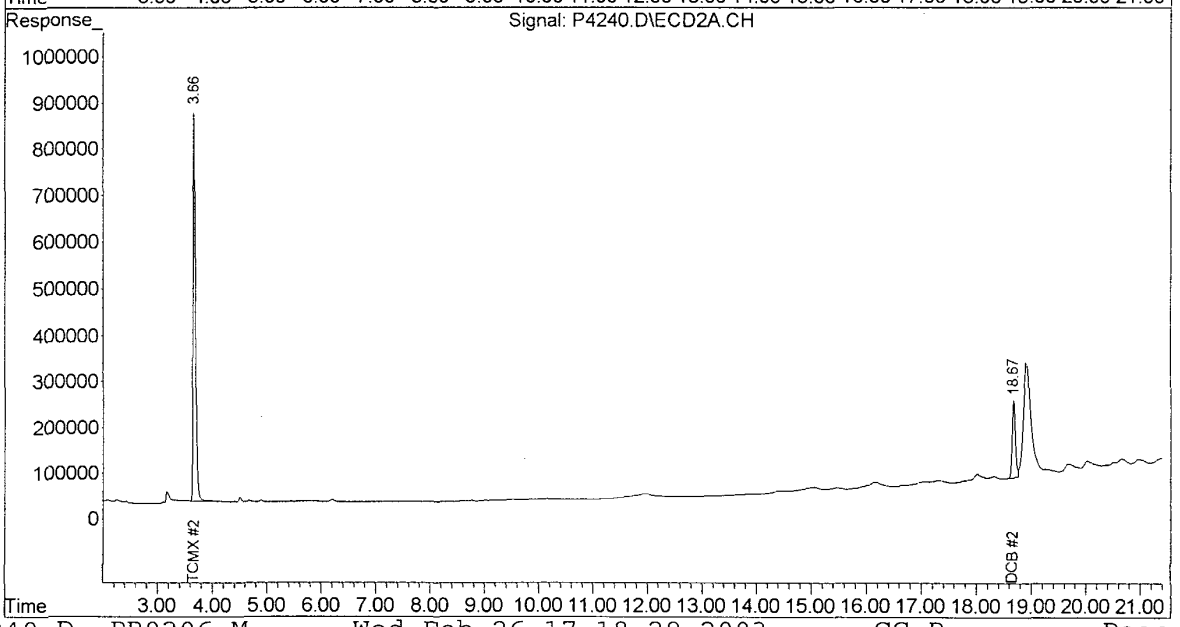
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4240.D\ECD1B.CH Vial: 25
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4240.D\ECD2A.CH
Acq On : 25 Feb 2003 21:14 Operator: L,YURU
Sample : SB-X11-26.5/26,01327-010,S,5.47g,16.1,02 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/21/03,02/21/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 17:18 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0463

302801

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4207.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4207.D\ECD2A.CH
Acq On : 24 Feb 2003 17:34 Operator: L,YURU
Sample : (01304.01345),0224-BK2,A,1000mL,100,02/2 Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 17:55:46 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.67	38930271	23622059	61.440	60.369
Spiked Amount 100.000			Recovery	=	61.44%	60.37%
2) S DCB	18.84	18.68	11929082	7358923	54.704	53.328
Spiked Amount 100.000			Recovery	=	54.70%	53.33%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

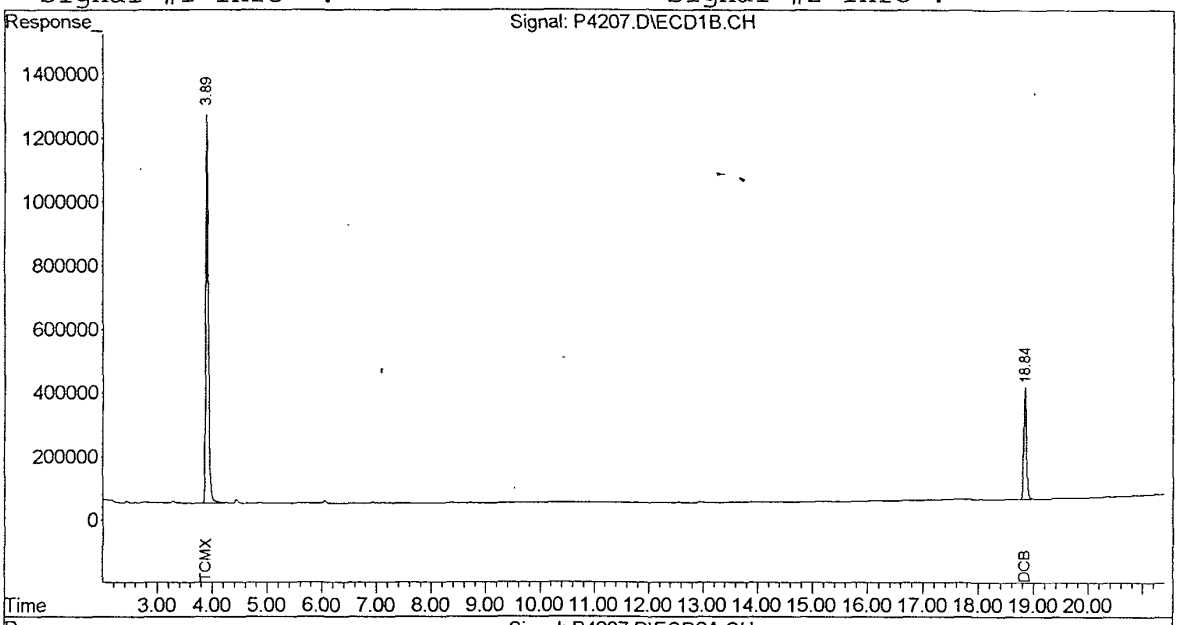
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

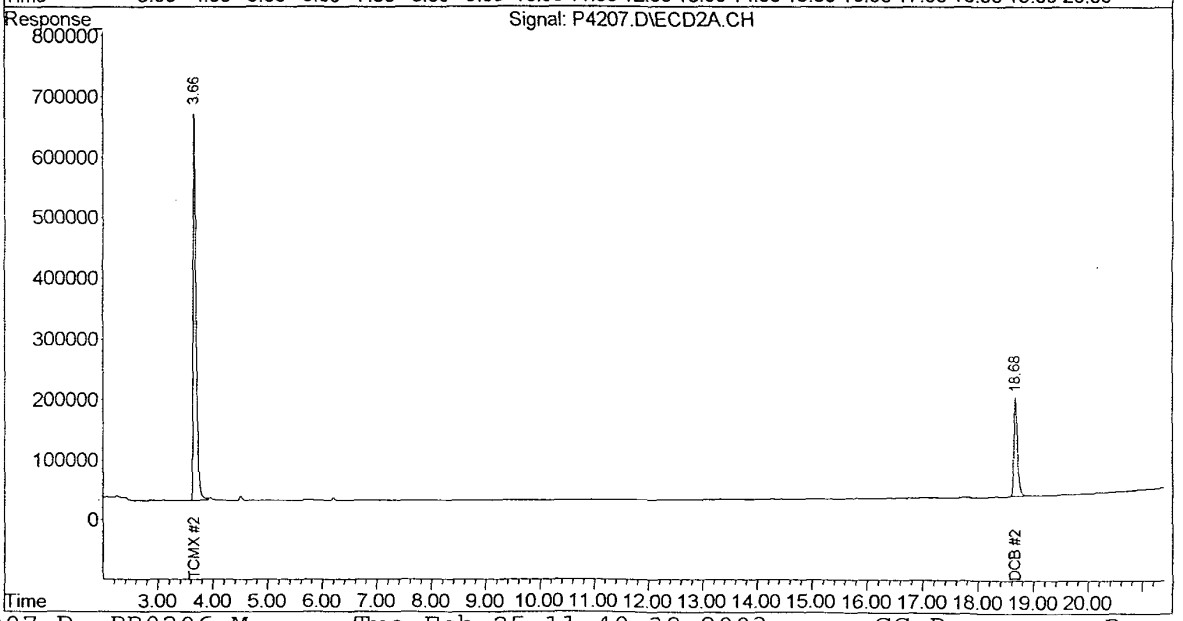
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4207.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4207.D\ECD2A.CH
Acq On : 24 Feb 2003 17:34 Operator: L,YURU
Sample : (01304.01345),0224-BK2,A,1000mL,100,02/2 Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:40 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4205.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4205.D\ECD2A.CH
Acq On : 24 Feb 2003 16:45 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 17:11:25 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
	System Monitoring Compounds						
1) S	TCMX	3.90	3.67	42748955	25439971	67.467	65.015
Spiked Amount	100.000			Recovery	=	67.47%	65.02%
2) S	DCB	18.84	18.68	12781331	7828846	58.612	56.733
Spiked Amount	100.000			Recovery	=	58.61%	56.73%
	Target Compounds						
3) T	alpha-BHC	4.59	5.60	48545338	29379285	99.522	94.444
4) T	beta-BHC	5.09	8.70	15529776	10539898	85.807	85.017m
5) T	gamma-BHC	5.23	6.56	43679592	26656392	97.565	94.208
6) T	delta-BHC	5.71	9.26	41398582	25356331	98.967	93.646
7) T	Heptachlor	6.84	7.03	39962786	24381854	105.788	99.102
8) T	Aldrin	7.66	7.70	42668407	26922889	102.863	98.264
9) T	Heptachlor epoxi	8.68	9.56	37993559	24196748	102.522	97.947
10) T	Endosulfan I	9.61	10.25	35721066	22989037	105.079	99.341
11) T	4,4'-DDE	10.38	11.03	37446446	21623257	104.949	98.302
12) T	Dieldrin	10.31	11.29	37794515	25146715	104.386	98.595
13) T	Endrin	10.86	11.82	34530450	20546137	106.295	100.521
14) T	Endosulfan II	11.12	13.28	33364552	42442396	105.899	101.944
15) T	4,4'-DDD	11.50	13.28	29083479	42442396	108.301	101.944
16) T	Endrin aldehyde	11.64	14.44	23387658	14546804	94.272	88.702m
17) T	Endosulfan sulfa	12.30	15.34	28448681	19811734	104.514	99.315
18) T	4,4'-DDT	12.53	13.73	24727188	12648250	99.466	93.561
19) T	Endrin ketone	13.51	16.37	37656821	24219957	111.588	104.447
20) T	Methoxychlor	14.21	15.61	12057457	7002346	98.945	91.294
21) T	alpha-Chlordane	9.71	10.65	40218709	24935758	105.495	100.079
22) T	gamma-Chlordane	9.30	10.49	40941211	25189813	105.464	99.884
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

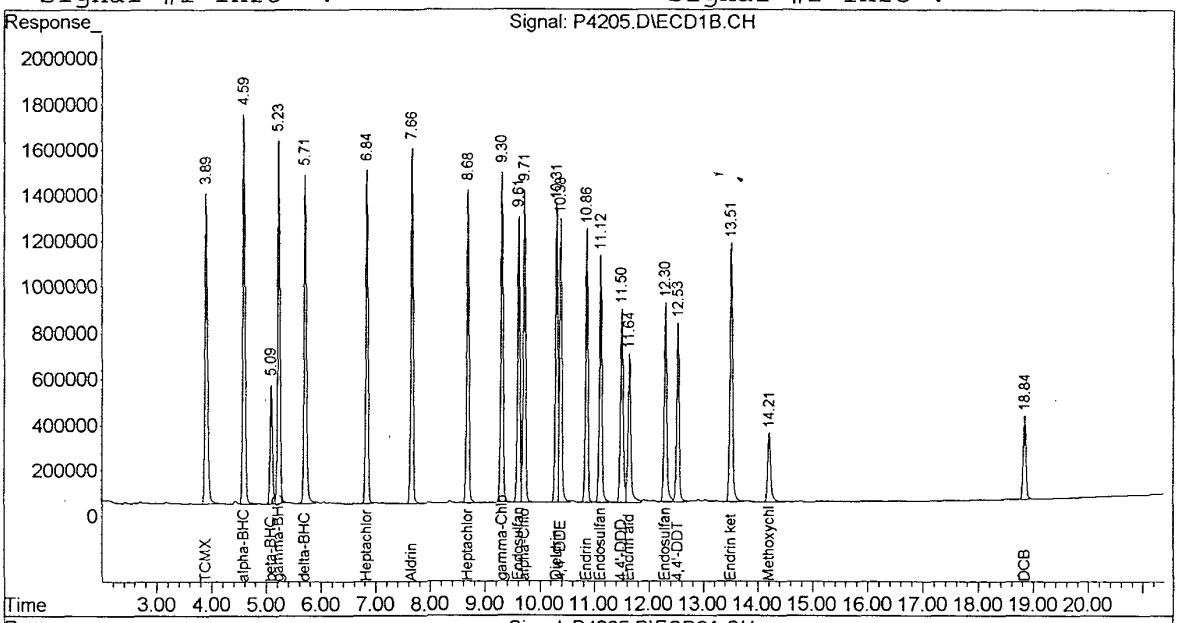
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

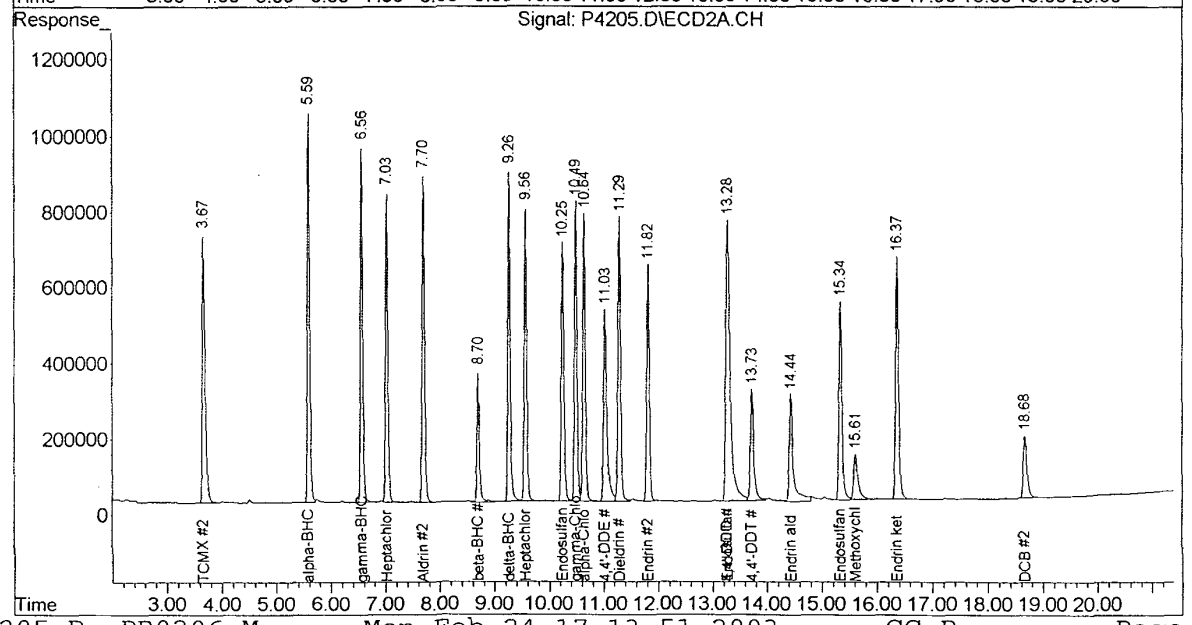
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4205.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4205.D\ECD2A.CH
Acq On : 24 Feb 2003 16:45 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 17:13 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0467

302805

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4204.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4204.D\ECD2A.CH
Acq On : 24 Feb 2003 16:21 Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 16:42:58 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	61977883	37916955	97.814	96.901
Spiked Amount 100.000			Recovery	=	97.81%	96.90%
2) S DCB	18.84	18.68	19359574	11505163	88.779	83.375
Spiked Amount 100.000			Recovery	=	88.78%	83.38%
Target Compounds						
23) L1 Chlordane	9.50	8.27	4367614	2787327	509.733	476.118
24) L1 Chlordane {2}	9.71	8.40	20811159	2270801	517.941	481.907
25) L1 Chlordane {3}	9.86	10.49	12201513	13463436	523.457	506.067
26) L1 Chlordane {4}	11.53	10.65	4214278	11577834	520.528	507.907
27) L1 Chlordane {5}	11.72	10.70	5374034	8085125	505.921	505.887
Sum Chlordane			46968598	38184523	2577.580	2477.886
Average Chlordane					515.516	495.577
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

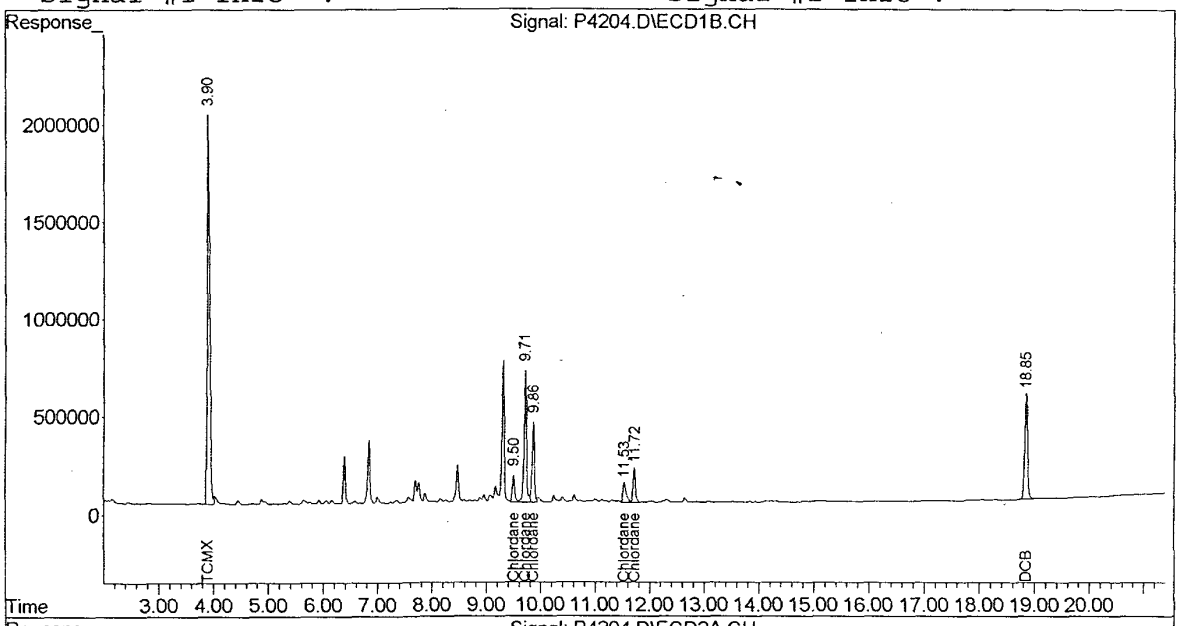
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

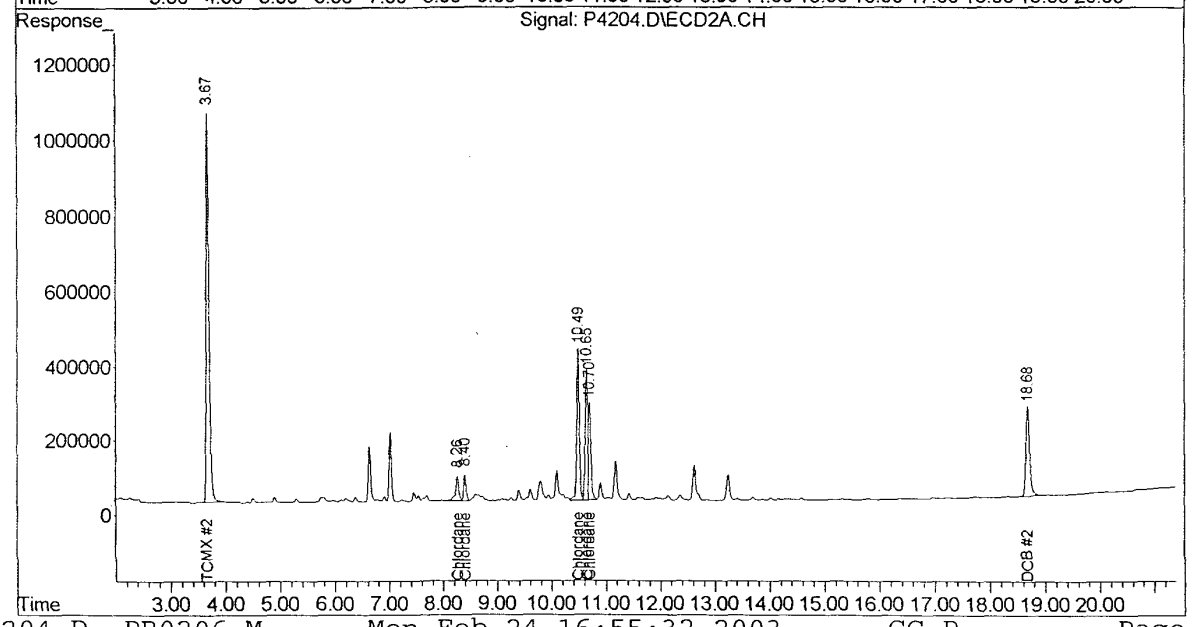
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4204.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4204.D\ECD2A.CH
Acq On : 24 Feb 2003 16:21 Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 16:55 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0469

302807

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4206.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4206.D\ECD2A.CH
Acq On : 24 Feb 2003 17:10 Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 17:31:32 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	26738973	16635387	42.200	42.514
Spiked Amount 100.000			Recovery	=	42.20%	42.51%
2) S DCB	18.84	18.68	9405309	5985710	43.131	43.377
Spiked Amount 100.000			Recovery	=	43.13%	43.38%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
28) L2 Toxaphene	12.91	12.44	3135791	2265922	447.884	514.774
29) L2 Toxaphene {2}	13.66	12.56	2680752	2117940	445.473	456.966
30) L2 Toxaphene {3}	13.73	14.06	2881832	3133263	428.950m	460.683
31) L2 Toxaphene {4}	14.70	15.70	4968916	2613843	460.444	445.571
32) L2 Toxaphene {5}	15.22	16.07	3330994	1310989	442.997m	435.456m
Sum Toxaphene			16998285	11441957	2225.748	2313.449
Average Toxaphene					445.150	462.690

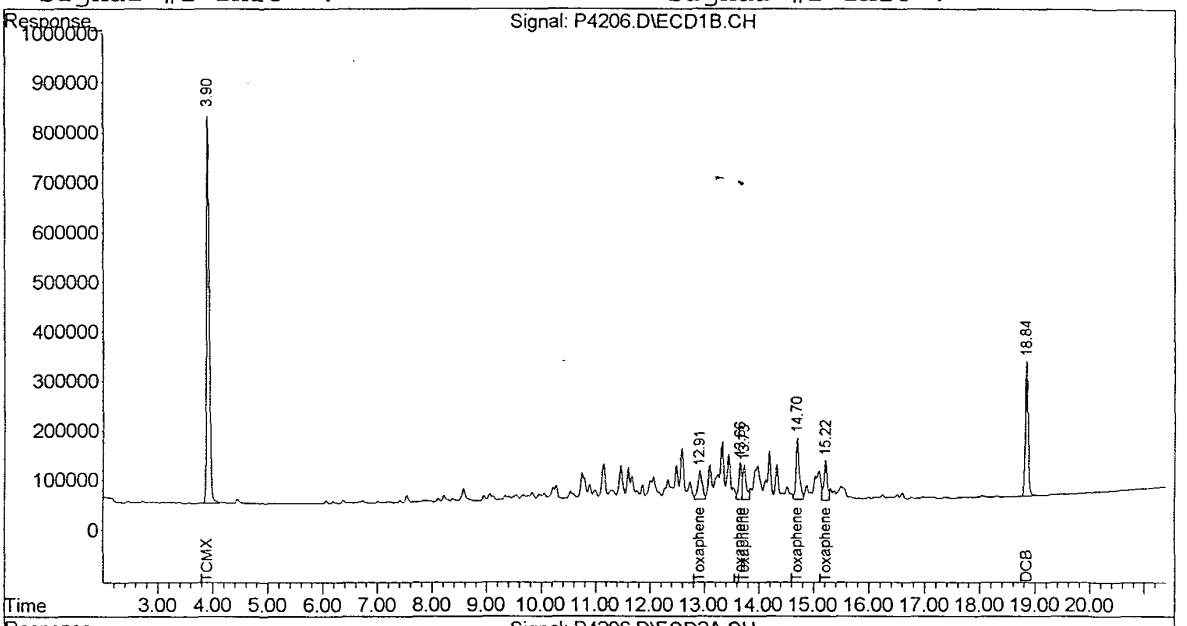
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

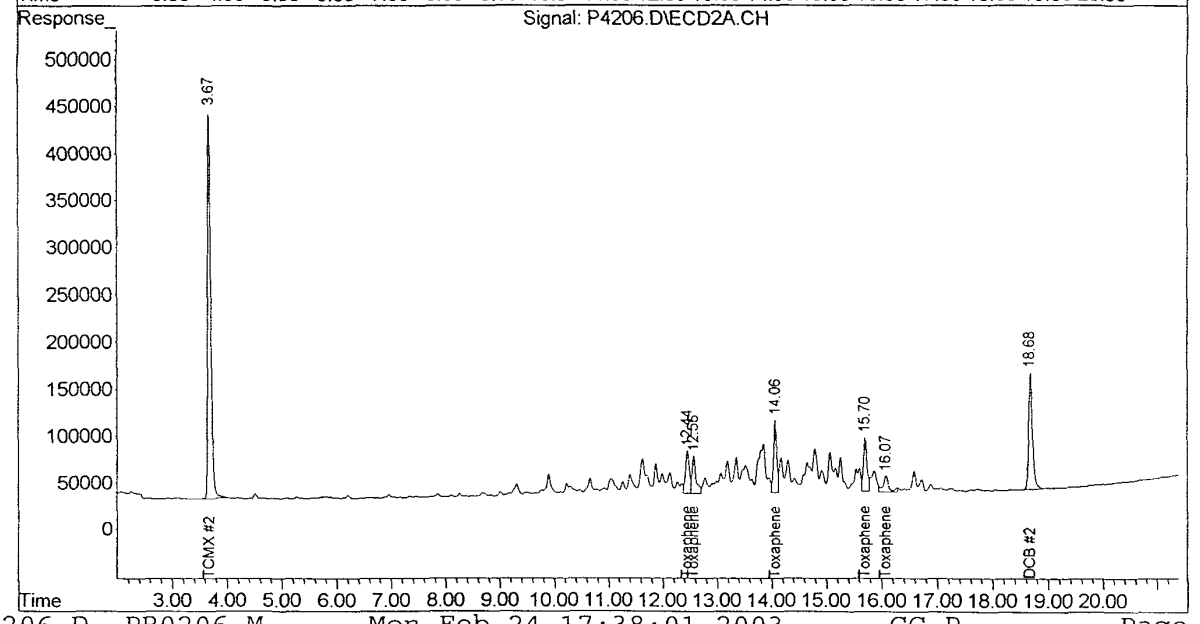
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4206.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4206.D\ECD2A.CH
Acq On : 24 Feb 2003 17:10 Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 17:37 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0471

302809

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4215.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4215.D\ECD2A.CH
Acq On : 24 Feb 2003 20:48 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 24 21:09:42 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
	System Monitoring Compounds						
1) S	TCMX	3.89	3.67	43791463	26295741	69.112	67.202
Spiked Amount	100.000			Recovery	=	69.11%	67.20%
2) S	DCB	18.84	18.68	13688498	8397273	62.773	60.853
Spiked Amount	100.000			Recovery	=	62.77%	60.85%
	Target Compounds						
3) T	alpha-BHC	4.59	5.59	50132766	30363123	102.777	97.607
4) T	beta-BHC	5.09	8.70	16435604	10401138	90.812	83.898
5) T	gamma-BHC	5.23	6.56	45919234	27522137	102.568	97.267
6) T	delta-BHC	5.71	9.26	42904425	25923348	102.567	95.740
7) T	Heptachlor	6.83	7.02	41179734	25142789	109.010	102.195
8) T	Aldrin	7.66	7.70	44224955	27579831	106.615	100.662
9) T	Heptachlor epoxi	8.68	9.56	39646780	24801203	106.983	100.394
10) T	Endosulfan I	9.61	10.25	37077013	23581501	109.068	101.901
11) T	4,4'-DDE	10.38	11.03	39363036	22251469	110.320	101.158
12) T	Dieldrin	10.30	11.29	38626196	25797074	106.684	101.145
13) T	Endrin	10.86	11.82	35719207	21271451	109.954	104.070
14) T	Endosulfan II	11.11	13.28	34664270	43545314	110.024	104.593
15) T	4,4'-DDD	11.50	13.28	29601605	43545314	110.230	104.593
16) T	Endrin aldehyde	11.64	14.44	24266873	14163671	97.816	86.366m
17) T	Endosulfan sulfa	12.30	15.34	29602748	20624621	108.754	103.389
18) T	4,4'-DDT	12.53	13.73	26491681	14020272	106.564	103.710
19) T	Endrin ketone	13.51	16.37	38664633	24889788	114.574m	107.336
20) T	Methoxychlor	14.21	15.61	12853423	7929672	105.477	103.384
21) T	alpha-Chlordane	9.71	10.64	41858567	25633724	109.797	102.880
22) T	gamma-Chlordane	9.30	10.49	42677983	25877020	109.938	102.609
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

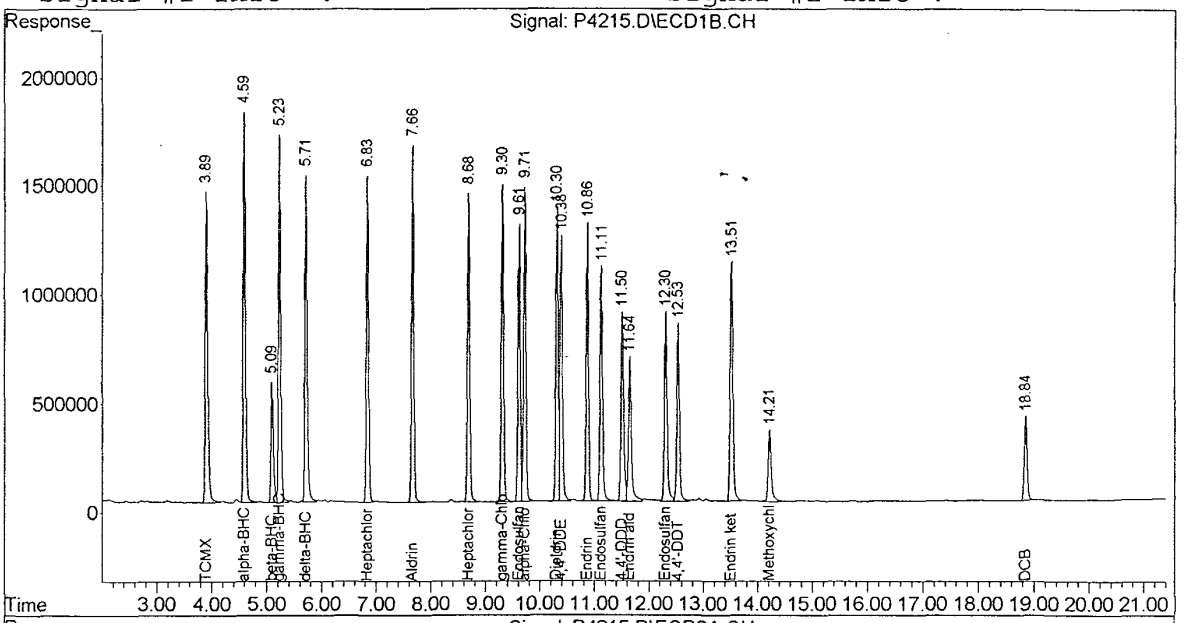
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

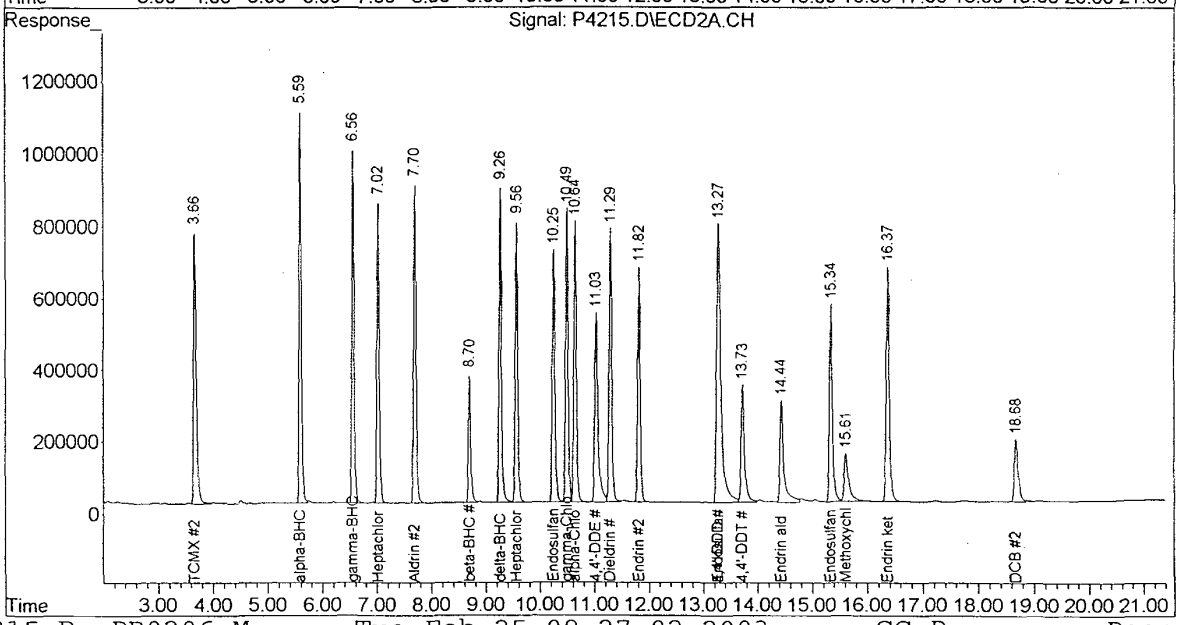
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-24-03\P4215.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-24-03\P4215.D\ECD2A.CH
Acq On : 24 Feb 2003 20:48 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:26 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0473

302811

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4222.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4222.D\ECD2A.CH
Acq On : 25 Feb 2003 13:58 Operator: L,YURU
Sample : (01327.01360),0225-BK1,A,5.0g,0.0,02/25/ Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 14:19:46 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.89	3.66	32551622	19667791	51.373	50.263
Spiked Amount 100.000			Recovery =		51.37%	50.26%
2) S DCB	18.84	18.68	10041066	6360888	46.046	46.096
Spiked Amount 100.000			Recovery =		46.05%	46.10%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

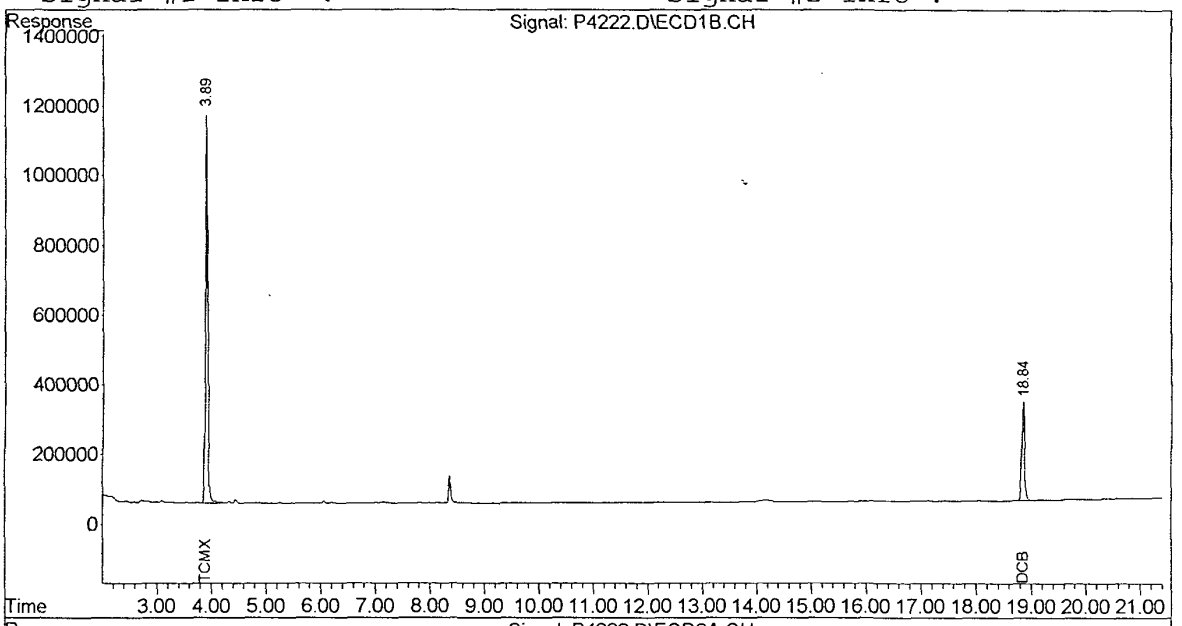
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

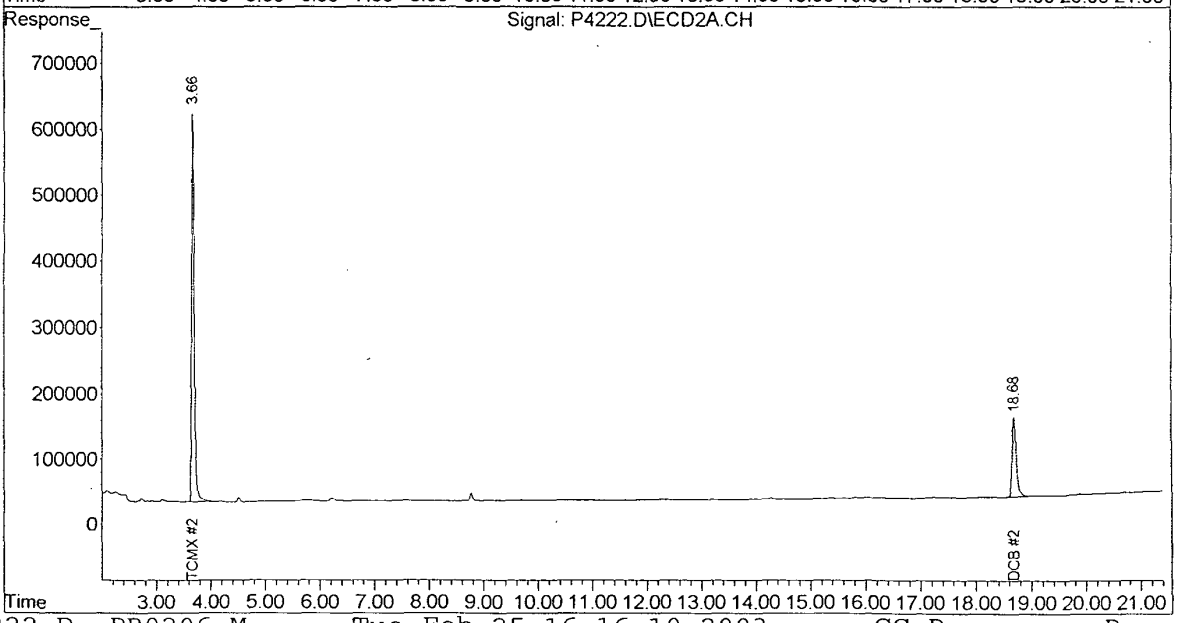
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4222.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4222.D\ECD2A.CH
Acq On : 25 Feb 2003 13:58 Operator: L,YURU
Sample : (01327.01360),0225-BK1,A,5.0g,0.0,02/25/ Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 15:58 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0475

302813

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4218.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4218.D\ECD2A.CH
Acq On : 25 Feb 2003 12:21 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:42:49 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
	System Monitoring Compounds						
1) S	TCMX	3.89	3.66	42451873	25917597	66.998	66.235
Spiked Amount	100.000			Recovery	=	67.00%	66.23%
2) S	DCB	18.84	18.68	13005685	7675311	59.641m	55.621m
Spiked Amount	100.000			Recovery	=	59.64%	55.62%
	Target Compounds						
3) T	alpha-BHC	4.59	5.59	49114036	30046574	100.688	96.589
4) T	beta-BHC	5.09	8.69	15727295	10791693	86.898	87.048m
5) T	gamma-BHC	5.23	6.56	44948429	27202556	100.399	96.138
6) T	delta-BHC	5.71	9.26	42380258	25848735	101.314	95.464
7) T	Heptachlor	6.83	7.02	41020247	24707404	108.588	100.425
8) T	Aldrin	7.66	7.70	42922718	27066878	103.476	98.789
9) T	Heptachlor epoxi	8.68	9.56	38651579	24507794	104.297	99.206
10) T	Endosulfan I	9.61	10.24	36136431	23172803	106.301	100.135
11) T	4,4'-DDE	10.38	11.03	38564204	21779552	108.082	99.013
12) T	Dieldrin	10.30	11.29	38000483	25473660	104.955	99.877
13) T	Endrin	10.86	11.81	35001427	20681517	107.744	101.183
14) T	Endosulfan II	11.11	13.27	33645227	43109048	106.790	103.545
15) T	4,4'-DDD	11.50	13.27	29356001	43109048	109.316	103.545
16) T	Endrin aldehyde	11.64	14.43	23962816	14044211	96.590	85.638m
17) T	Endosulfan sulfa	12.30	15.34	28918881	19691681	106.241	98.713
18) T	4,4'-DDT	12.53	13.72	25512526	12358306	102.626	91.417
19) T	Endrin ketone	13.51	16.36	38684174	24647006	114.632m	106.289
20) T	Methoxychlor	14.21	15.61	12469666	6748624	102.328	87.986
21) T	alpha-Chlordane	9.71	10.64	40424891	24967525	106.036	100.206
22) T	gamma-Chlordane	9.30	10.49	40963787	25140431	105.522	99.689
	Sum Chlordane			0	0	N.D.	N.D.
	Average Chlordane					0.000	0.000
	Sum Toxaphene			0	0	N.D.	N.D.
	Average Toxaphene					0.000	0.000

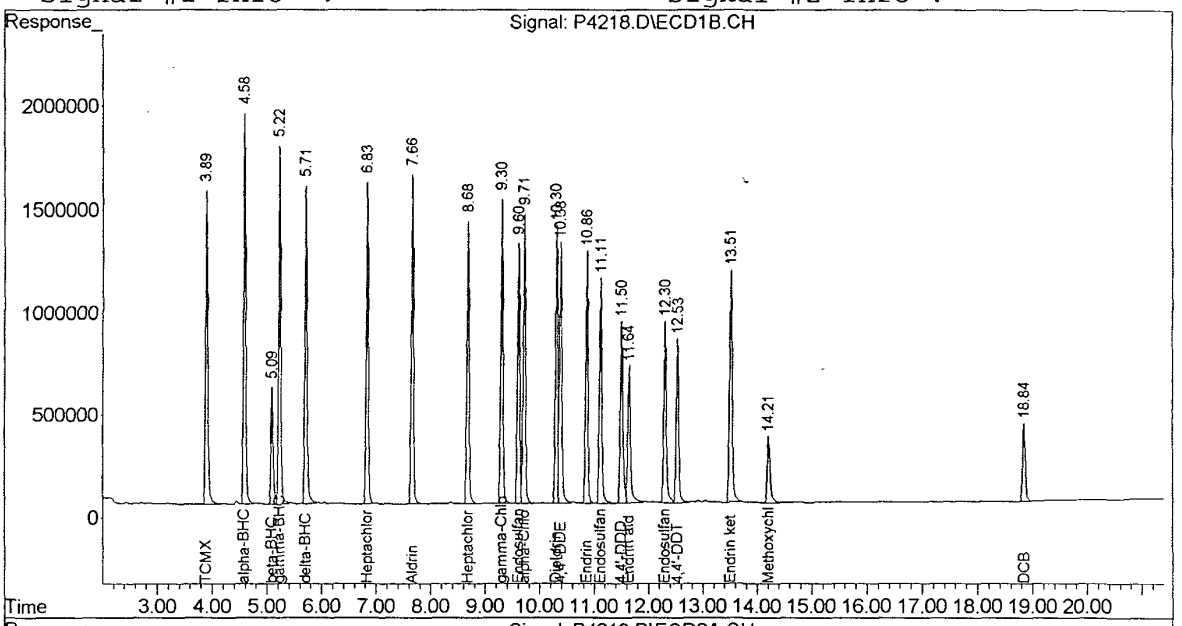
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

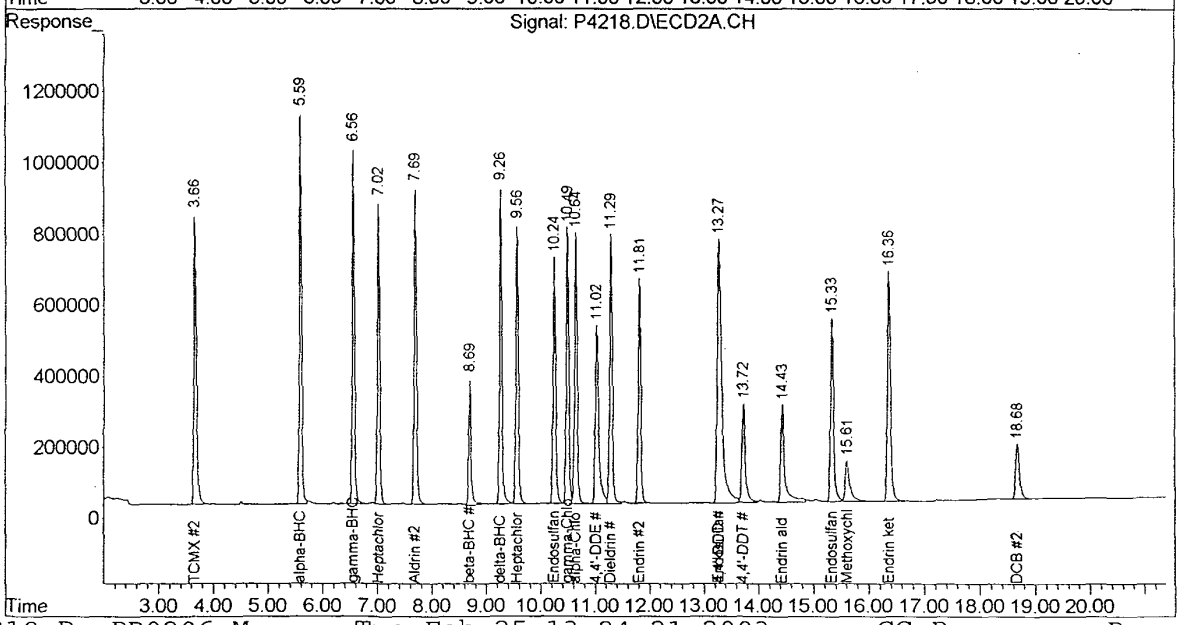
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4218.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4218.D\ECD2A.CH
Acq On : 25 Feb 2003 12:21 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:24 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0477

302815

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4219.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4219.D\ECD2A.CH
Acq On : 25 Feb 2003 12:45 Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:07:03 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	71241771	43793415	112.434	111.919
Spiked Amount 100.000			Recovery	=	112.43%	111.92%
2) S DCB	18.84	18.68	21883371	13165517	100.352	95.407
Spiked Amount 100.000			Recovery	=	100.35%	95.41%
Target Compounds						
23) L1 Chlordane	9.50	8.26	4489223	3209368	523.926m	548.209
24) L1 Chlordane {2}	9.71	8.40	22737308	2576054	565.878m	546.687
25) L1 Chlordane {3}	9.86	10.49	13387340	15242374	574.330m	572.935
26) L1 Chlordane {4}	11.54	10.64	4220789	12830410	521.332m	562.856
27) L1 Chlordane {5}	11.71	10.70	5691175	8410601	535.777m	526.252m
Sum Chlordane			50525835	42268806	2721.243	2756.939
Average Chlordane					544.249	551.388
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

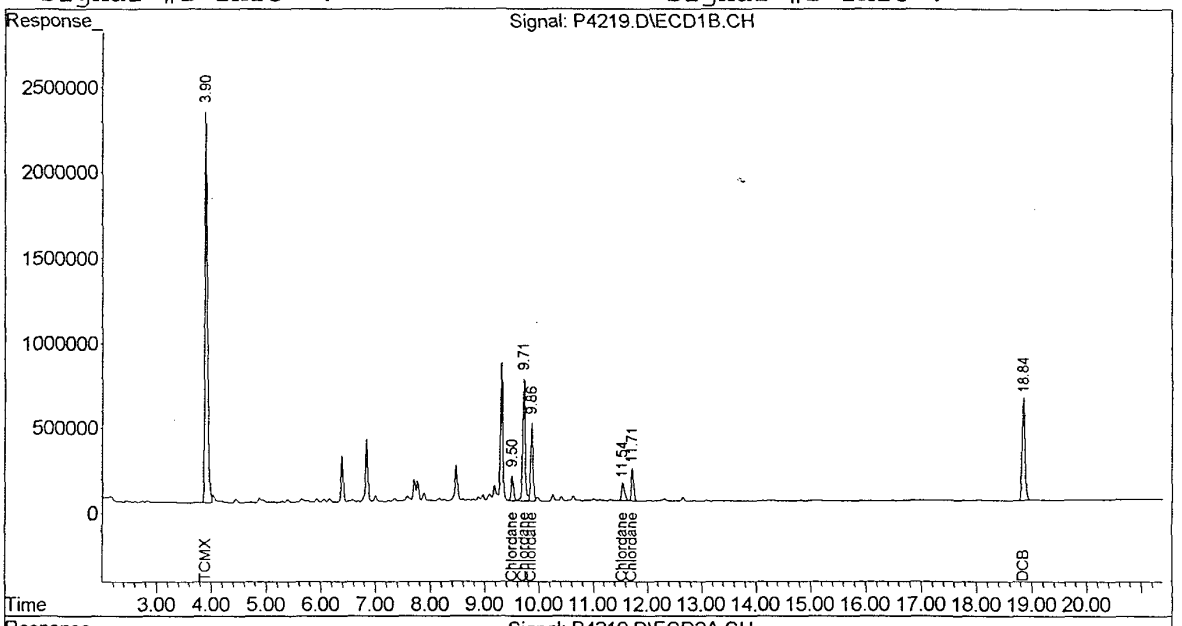
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

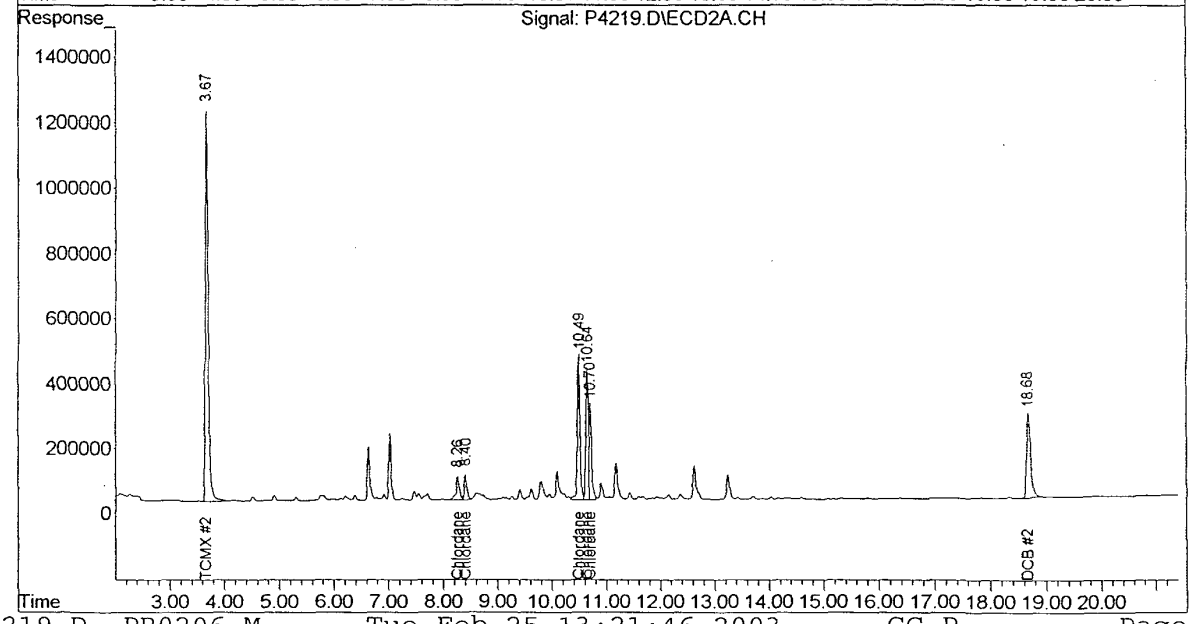
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4219.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4219.D\ECD2A.CH
Acq On : 25 Feb 2003 12:45 Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:21 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0479

302817

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4220.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4220.D\ECD2A.CH
Acq On : 25 Feb 2003 13:09 Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:31:18 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.90	3.67	31541166	19507528	49.778	49.854
Spiked Amount 100.000			Recovery =		49.78%	49.85%
2) S DCB	18.84	18.68	11131299	6942340	51.046	50.309
Spiked Amount 100.000			Recovery =		51.05%	50.31%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
28) L2 Toxaphene	12.91	12.44	3500426	2512385	499.965	570.765m
29) L2 Toxaphene {2}	13.66	12.56	2938441	2587548	488.294	558.288
30) L2 Toxaphene {3}	13.73	14.05	2891533	3644680	430.394m	535.877
31) L2 Toxaphene {4}	14.70	15.70	5605623	3199166	519.444	545.348
32) L2 Toxaphene {5}	15.22	16.08	3241515	1284353	431.096m	426.608m
Sum Toxaphene			18177539	13228132	2369.194	2636.887
Average Toxaphene					473.839	527.377

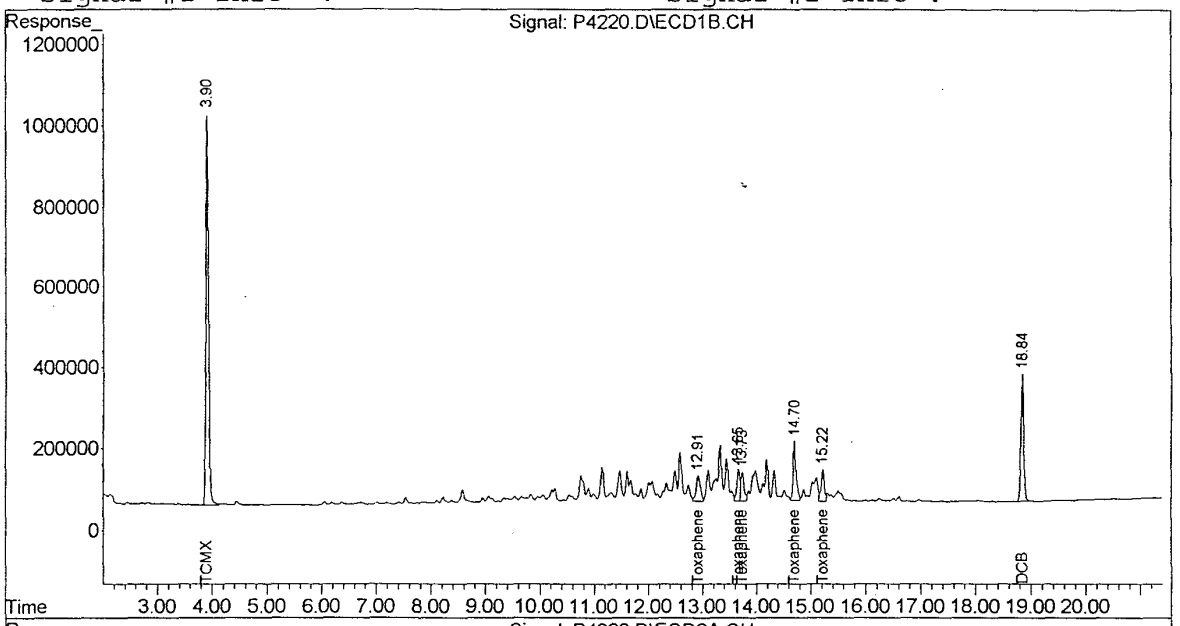
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

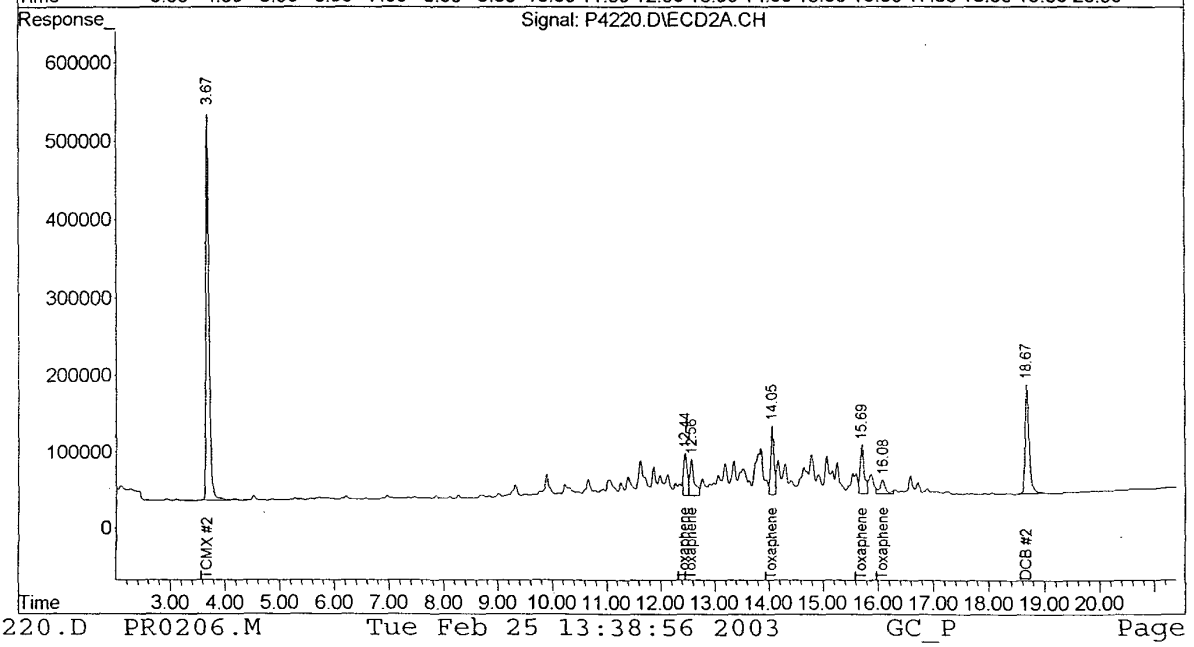
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4220.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4220.D\ECD2A.CH
Acq On : 25 Feb 2003 13:09 Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:38 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0481

302819

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4246.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4246.D\ECD2A.CH
Acq On : 25 Feb 2003 23:39 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 00:00:52 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Initial Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
		System Monitoring Compounds						
1)	S	TCMX	3.89	3.66	41279375	25920786	65.147	66.243
Spiked Amount		100.000			Recovery	=	65.15%	66.24%
2)	S	DCB	18.84	18.67	12202074	7856137	55.956	56.931
Spiked Amount		100.000			Recovery	=	55.96%	56.93%
		Target Compounds						
3)	T	alpha-BHC	4.59	5.59	47081499	29827444	96.521	95.885
4)	T	beta-BHC	5.09	8.70	15741169	10281694	86.975	82.934
5)	T	gamma-BHC	5.23	6.56	43134490	27015966	96.348	95.478
6)	T	delta-BHC	5.71	9.26	41442966	26099864	99.073	96.392
7)	T	Heptachlor	6.83	7.02	39211273	23465986	103.799	95.379
8)	T	Aldrin	7.66	7.70	40940932	26679305	98.698	97.375
9)	T	Heptachlor epoxi	8.68	9.56	36708197	24069926	99.053	97.434
10)	T	Endosulfan I	9.61	10.24	34569156	22961953	101.691	99.224
11)	T	4,4'-DDE	10.38	11.02	37090967	22894129	103.953	104.080
12)	T	Dieldrin	10.30	11.29	36492482	24716625	100.790	96.909
13)	T	Endrin	10.86	11.82	35781976	22651345	110.147	110.821
14)	T	Endosulfan II	11.11	13.28	32553959	44800041	103.326	107.607
15)	T	4,4'-DDD	11.50	13.28	30559904	44800041	113.799m	107.607
16)	T	Endrin aldehyde	11.64	14.43	21938706	14045636	88.432	85.646m
17)	T	Endosulfan sulfa	12.30	15.33	29039936	20179835	106.686	101.160
18)	T	4,4'-DDT	12.53	13.72	24132519	11869619	97.074	87.802
19)	T	Endrin ketone	13.51	16.36	36246685	24195637	107.409	104.342
20)	T	Methoxychlor	14.21	15.60	12706095	6577446	104.268	85.754
21)	T	alpha-Chlordane	9.71	10.64	38142565	24554467	100.050	98.548
22)	T	gamma-Chlordane	9.30	10.49	39105622	25064175	100.736	99.386
		Sum Chlordane			0	0	N.D.	N.D.
Average		Chlordane					0.000	0.000
		Sum Toxaphene			0	0	N.D.	N.D.
Average		Toxaphene					0.000	0.000

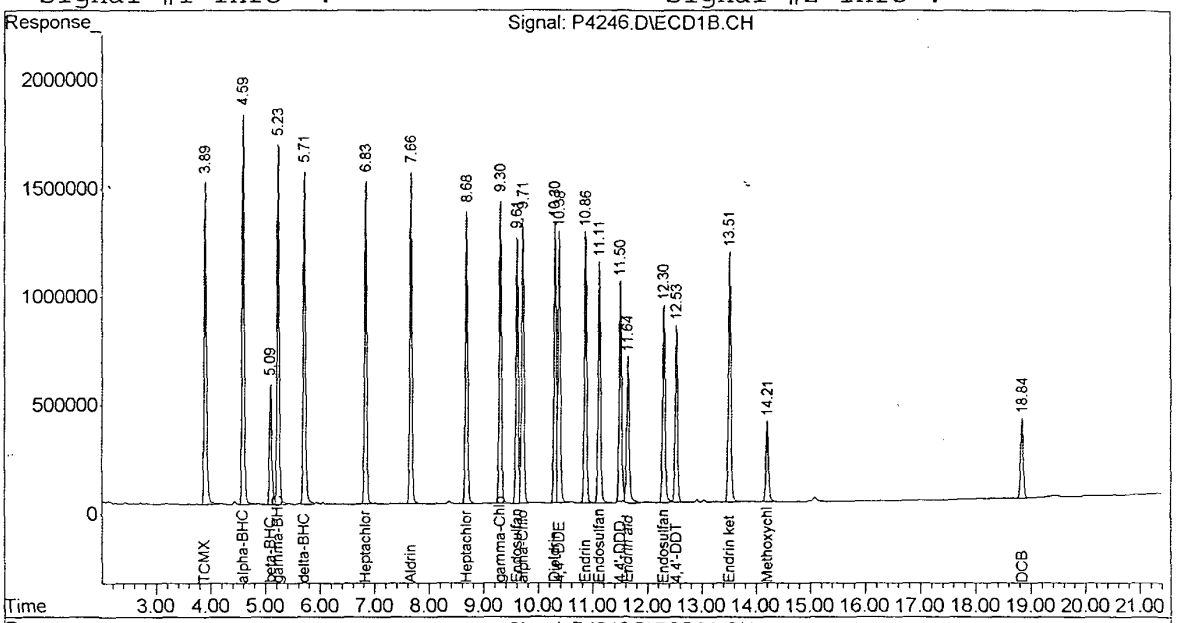
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

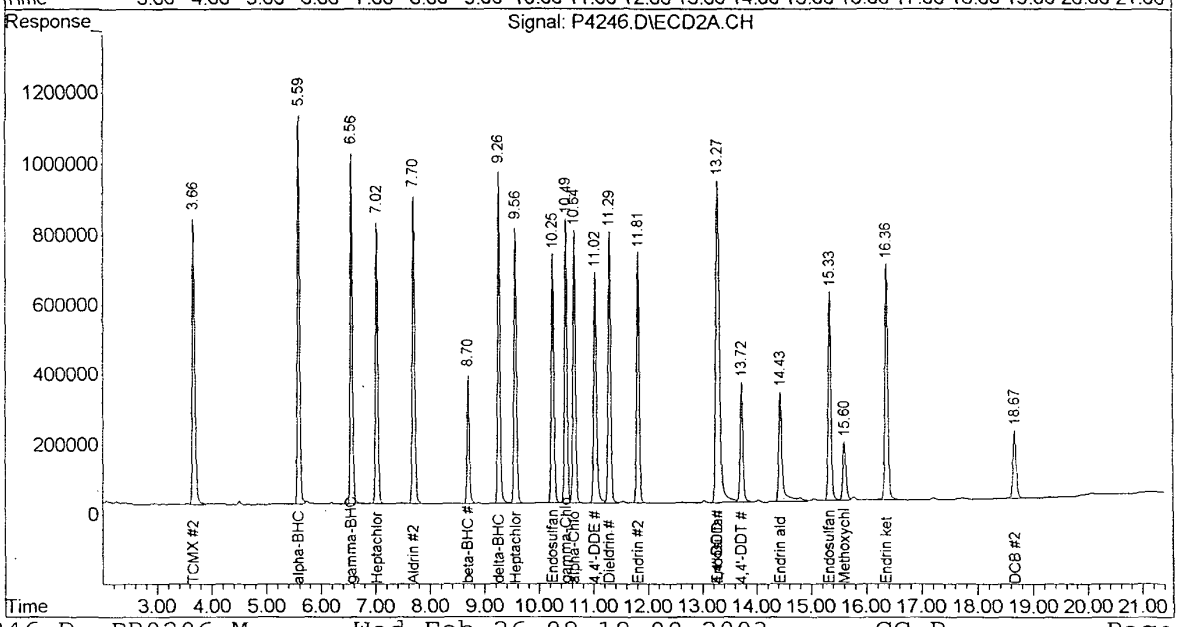
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-25-03\P4246.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-25-03\P4246.D\ECD2A.CH
Acq On : 25 Feb 2003 23:39 Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 9:18 2003 Quant Results File: PR0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\PR0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 20 17:03:02 2003
Response via : Multiple Level Calibration
DataAcq Meth : PR0206.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





0483

302821

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

BLANK RESULTS SUMMARY

Lab Case Number: E02- 1304, 1327, 1329

Matrix: Aqueous Concentration/Units: ppb (μg/L)

ANALYTE	INITIAL CALIBRATION	CONTINUING CALIBRATION 1	CONTINUING CALIBRATION 2	INST. MDL	REAGENT BLANK	MDL	IDL
Aluminum	ND	ND	ND	10.0	ND	1000	
Antimony	ND	ND	ND	1.00	ND	100	
Arsenic	ND	ND	ND	1.00	ND	100	
Barium	ND	ND	ND	10.0	ND	1000	
Beryllium	ND	ND	ND	0.500	ND	50.0	
Cadmium	ND	ND	ND	0.250	ND	25.0	
Calcium	ND	ND	ND	50.0	ND	5000	
Chromium	ND	ND	ND	2.00	ND	200	
Cobalt	ND	ND	ND	2.00	ND	200	
Copper	ND	ND	ND	2.00	ND	200	
Iron	ND	ND	ND	25.0	ND	2500	
Lead	ND	ND	ND	0.500	ND	50.0	
Magnesium	ND	ND	ND	50.0	ND	5000	
Manganese	ND	ND	ND	5.00	ND	500	
Mercury	ND	ND	ND	0.250	ND	0.500	
Nickel	ND	ND	ND	1.00	ND	100	
Potassium	ND	ND	ND	50.0	ND	5000	
Selenium	ND	ND	ND	2.00	ND	200	
Silver	ND	ND	ND	0.500	ND	50.0	
Sodium	ND	ND	ND	100	ND	10000	
Thallium	ND	ND	ND	0.100	ND	10.0	
Vanadium	ND	ND	ND	2.00	ND	200	
Zinc	ND	ND	ND	2.00	ND	200	

This QC Blank applies to the following samples:

1304-01; 1327-01; 1329-012

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

BLANK RESULTS SUMMARY

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	INITIAL CALIBRATION	CONTINUING CALIBRATION 1	CONTINUING CALIBRATION 2	INST. MDL	REAGENT BLANK	MDL	IDL
Aluminum	ND	ND	ND	0.010	ND	10.0	
Antimony	ND	ND	ND	0.001	ND	1.00	
Arsenic	ND	ND	ND	0.001	ND	1.00	
Barium	ND	ND	ND	0.010	ND	10.0	
Beryllium	ND	ND	ND	0.0005	ND	0.500	
Cadmium	ND	ND	ND	0.00025	ND	0.250	
Calcium	ND	ND	ND	0.050	ND	50.0	
Chromium	ND	ND	ND	0.002	ND	2.00	
Cobalt	ND	ND	ND	0.002	ND	2.00	
Copper	ND	ND	ND	0.002	ND	2.00	
Iron	ND	ND	ND	0.025	ND	25.0	
Lead	ND	ND	ND	0.0005	ND	0.500	
Magnesium	ND	ND	ND	0.050	ND	50.0	
Manganese	ND	ND	ND	0.005	ND	5.00	
Mercury	ND	ND	ND	0.00025	ND	0.013	
Nickel	ND	ND	ND	0.001	ND	1.00	
Potassium	ND	ND	ND	0.050	ND	50.0	
Selenium	ND	ND	ND	0.002	ND	2.00	
Silver	ND	ND	ND	0.0005	ND	0.500	
Sodium	ND	ND	ND	0.100	ND	100	
Thallium	ND	ND	ND	0.0001	ND	0.100	
Vanadium	ND	ND	ND	0.002	ND	2.00	
Zinc	ND	ND	ND	0.002	ND	2.00	

This QC Blank applies to the following samples:

0161-014~017; 1005-01; 1275-01,03,04,08; 1304-03~011;
1325-02~06; 1327-03~09; 1329-011; 1332-02; 1338-01,02

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Concentration/Units: ppb (μg/L)

ANALYTE	INITIAL CALIBRATION			CONTINUING CALIBRATION					MDL	IDL
	TRUE	FOUND	%R (1)	TRUE	FOUND	%R (1)	FOUND	%R (1)		
Aluminum	400	407	102	400	406	102	403	101	10.0	
Antimony	120	119	99.2	120	114	95.0	126	105	1.00	
Arsenic	20.0	18.9	94.5	20.0	18.4	92.0	18.4	92.0	1.00	
Barium	400	387	96.8	400	384	96.0	414	104	10.0	
Beryllium	10.0	9.57	95.7	10.0	9.41	94.1	9.06	90.6	0.500	
Cadmium	10.0	9.83	98.3	10.0	9.21	92.1	10.4	104	0.250	
Calcium	10000	9050	90.5	10000	9400	94.0	9930	99.3	50.0	
Chromium	20.0	20.8	104	20.0	20.1	101	20.7	104	2.00	
Cobalt	100	101	101	100	98.5	98.5	101	101	2.00	
Copper	50.0	48.7	97.4	50.0	47.1	94.2	47.5	95.0	2.00	
Iron	200	205	103	200	206	103	193	96.5	25.0	
Lead	10.0	9.99	99.9	10.0	9.54	95.4	9.58	95.8	0.500	
Magnesium	10000	9720	97.2	10000	9380	93.8	10500	105	50.0	
Manganese	30.0	31.2	104	30.0	30.4	101	31.4	105	5.00	
Mercury	5.00	5.02	100	5.00	4.98	99.6	4.97	99.4	0.250	
Nickel	80.0	75.5	94.4	80.0	73.6	92.0	75.3	94.1	1.00	
Potassium	10000	9810	98.1	10000	9620	96.2	10200	102	50.0	
Selenium	10.0	10.4	104	10.0	10.0	100	9.68	96.8	2.00	
Silver	20.0	19.3	96.5	20.0	18.5	92.5	18.7	93.5	0.500	
Sodium	10000	9920	99.2	10000	9740	97.4	10700	107	100	
Thallium	20.0	19.7	98.5	20.0	19.1	95.5	18.9	94.5	0.100	
Vanadium	100	108	108	100	106	106	109	109	2.00	
Zinc	40.0	39.8	99.5	40.0	38.9	97.3	39.4	98.5	2.00	

(1) Control Limits: Mercury 80-120, Other Metals 90-110

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

ICP-MS ICSAB RESULTS SUMMARY

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Matrix: Aqueous Concentration/Units: ppb(ug/L)

ANALYTE / MASS	INITIAL			FINAL		
	SOL A	SOL AB	%R	SOL A	SOL AB	%R
Arsenic / 75	0.01	7.76	77.5	0.00	7.83	78.3
Cobalt / 59	0.61	10.0	93.9	0.48	10.5	100.3
Copper / 65	3.17	11.1	79.3	3.22	11.5	82.8
Manganese / 55	2.38	12.1	97.2	2.42	12.9	104.8
Nickel / 60	1.37	9.46	80.9	1.35	9.92	85.7
Zinc / 66	9.94	17.1	71.6	9.82	17.7	78.8

TRUE VALUE SOLN. B = 10 ppb

THERE ARE NO CONTROL LIMITS FOR SOLUTION AB

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Lab Case Number: E02- 1304, 1327, 1329

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Aluminum	19100	ND	95.5	20000					70-130
Antimony	4140	ND	104	4000					70-130
Arsenic	3830	ND	95.8	4000					70-130
Barium	3830	ND	95.8	4000					70-130
Beryllium	3700	ND	92.5	4000					70-130
Cadmium	3740	ND	93.5	4000					70-130
Calcium	18700	ND	93.5	20000					70-130
Chromium	3960	ND	99.0	4000					70-130
Cobalt	3900	ND	97.5	4000					70-130
Copper	3760	ND	94.0	4000					70-130
Iron	20300	ND	102	20000					70-130
Lead	3720	ND	93.0	4000					70-130
Magnesium	20800	ND	104	20000					70-130
Manganese	3990	ND	99.8	4000					70-130
Mercury	9.60	ND	96.0	10.0					75-125
Nickel	3720	ND	93.0	4000					70-130
Potassium	17500	ND	87.5	20000					70-130
Selenium	3810	ND	95.3	4000					70-130
Silver	3770	ND	94.3	4000					70-130
Sodium	17400	ND	87.0	20000					70-130
Thallium	3470	ND	86.8	4000					70-130
Vanadium	3990	ND	99.8	4000					70-130
Zinc	3820	ND	95.5	4000					70-130

SSR = Spike Sample Result
SA = Spike Added

SR = Sample Result
%R = Percent Recovery

NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

QC Sample 1 01304-001

QC Sample 2 _____

QC Sample 1 for following samples:
1304-01; 1327-01; 1329-012

QC Sample 2 for following samples:

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Aluminum	8450	8110	NC	258					70-130
Antimony	52.2	ND	101	51.6	42.5	ND	99.3	42.8	70-130
Arsenic	178	130	93.0	51.6	48.1	8.91	91.6	42.8	70-130
Barium	72.0	23.1	94.8	51.6					70-130
Beryllium	46.4	ND	89.9	51.6	38.8	ND	90.7	42.8	70-130
Cadmium	47.5	ND	92.1	51.6	38.1	ND	89.0	42.8	70-130
Calcium	1230	971	100	258					70-130
Chromium	73.1	21.9	99.2	51.6	55.8	13.7	98.4	42.8	70-130
Cobalt	53.3	3.94	95.7	51.6					70-130
Copper	328	280	93.0	51.6	58.3	20.3	88.8	42.8	70-130
Iron	15500	15000	NC	258					70-130
Lead	82.7	35.2	92.1	51.6	50.9	11.2	92.8	42.8	70-130
Magnesium	3500	3220	109	258					70-130
Manganese	172	119	103	51.6					70-130
Mercury	0.381	0.062	98.8	0.323	0.286	0.043	90.7	0.268	75-125
Nickel	59.9	12.9	91.1	51.6	55.7	17.0	90.4	42.8	70-130
Potassium	1140	876	102	258					70-130
Selenium	48.3	ND	93.6	51.6	39.4	ND	92.1	42.8	70-130
Silver	48.7	ND	94.4	51.6	40.3	ND	94.2	42.8	70-130
Sodium	267	ND	103	258					70-130
Thallium	46.6	0.950	88.5	51.6	38.7	ND	90.4	42.8	70-130
Vanadium	82.9	30.9	101	51.6					70-130
Zinc	95.0	48.9	89.3	51.6	92.6	55.6	86.4	42.8	70-130

SSR = Spike Sample Result
SA = Spike Added

SR = Sample Result
%R = Percent Recovery

NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

QC Sample 1 01304-009

QC Sample 1 for following samples:
0161-014~017; 1005-01; 1275-01,03,04,08; 1304-03~011;
1325-02~06; 1327-03~09; 1329-011; 1332-02; 1338-01,02

QC Sample 2 01275-008

QC Sample 2 for following samples:
0161-014~017; 1005-01; 1275-01,03,04,08; 1304-03~011;
1325-02~06; 1327-03~09; 1329-011; 1332-02; 1338-01,02

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

DUPLICATE SAMPLE RECOVERY

Lab Case Number: E02- 1304, 1327, 1329

Matrix: Aqueous Concentration/Units: ppb (μg/L)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Aluminum	NA	ND	ND	NC				
Antimony	NA	ND	ND	NC				
Arsenic	NA	ND	ND	NC				
Barium	NA	ND	ND	NC				
Beryllium	NA	ND	ND	NC				
Cadmium	NA	ND	ND	NC				
Calcium	NA	ND	ND	NC				
Chromium	NA	ND	ND	NC				
Cobalt	NA	ND	ND	NC				
Copper	NA	ND	ND	NC				
Iron	NA	ND	ND	NC				
Lead	NA	ND	ND	NC				
Magnesium	NA	ND	ND	NC				
Manganese	NA	ND	ND	NC				
Mercury	NA	ND	ND	NC				
Nickel	NA	ND	ND	NC				
Potassium	NA	ND	ND	NC				
Selenium	NA	ND	ND	NC				
Silver	NA	ND	ND	NC				
Sodium	NA	ND	ND	NC				
Thallium	NA	ND	ND	NC				
Vanadium	NA	ND	ND	NC				
Zinc	NA	ND	ND	NC				

S1 = Sample 1
D1 = Duplicate 1

S2 = Sample 2
D2 = Duplicate 2

NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

QC Sample 1 01304-001

QC Sample 2 _____

QC Sample 1 for following samples:
1304-01; 1327-01; 1329-012

QC Sample 2 for following samples:

0490

302828

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

DUPLICATE SAMPLE RECOVERY

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Aluminum	20	8110	8260	1.83				
Antimony	NA	ND	ND	NC	NA	ND	ND	NC
Arsenic	20	130	134	3.03	20	8.91	8.84	0.789
Barium	20	23.1	24.3	5.06				
Beryllium	NA	ND	ND	NC	NA	ND	ND	NC
Cadmium	NA	ND	ND	NC	NA	ND	ND	NC
Calcium	20	971	975	0.411				
Chromium	20	21.9	22.7	3.59	20	13.7	13.5	1.47
Cobalt	20	3.94	3.93	0.254				
Copper	20	280	283	1.07	20	20.3	20.8	2.43
Iron	20	15000	15400	2.63				
Lead	20	35.2	38.8	9.73	20	11.2	11.0	1.80
Magnesium	20	3220	3140	2.52				
Manganese	20	119	122	2.49				
Mercury	20	0.062	0.070	12.1	20	0.043	0.040	7.23
Nickel	20	12.9	12.9	0	20	17.0	17.1	0.587
Potassium	20	876	874	0.229				
Selenium	NA	ND	ND	NC	NA	ND	ND	NC
Silver	NA	ND	ND	NC	NA	ND	ND	NC
Sodium	NA	ND	ND	NC				
Thallium	20	0.950	0.881	7.54	NA	ND	ND	NC
Vanadium	20	30.9	31.6	2.24				
Zinc	20	48.9	51.7	5.57	20	55.6	54.2	2.55

S1 = Sample 1
D1 = Duplicate 1

S2 = Sample 2
D2 = Duplicate 2

NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

QC Sample 1 01304-009

QC Sample 1 for following samples:
0161-014-017; 1005-01; 1275-01,03,04,08; 1304-03-011;
1325-02-06; 1327-03-09; 1329-011; 1332-02; 1338-01,02

QC Sample 2 01275-008

QC Sample 2 for following samples:
0161-014-017; 1005-01; 1275-01,03,04,08; 1304-03-011;
1325-02-06; 1327-03-09; 1329-011; 1332-02; 1338-01,02

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Lab Case Number: E02- 1304, 1327, 1329

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)			
	TRUE	FOUND	%R(1)	TRUE	FOUND	LIMITS	%R(2)
Aluminum	20000	17800	89.0				
Antimony	4000	4160	104				
Arsenic	4000	3780	94.5				
Barium	4000	3830	95.8				
Beryllium	4000	3650	91.3				
Cadmium	4000	3670	91.8				
Calcium	20000	17900	89.5				
Chromium	4000	3890	97.3				
Cobalt	4000	3830	95.8				
Copper	4000	3750	93.8				
Iron	20000	19100	95.5				
Lead	4000	3660	91.5				
Magnesium	20000	19200	96.0				
Manganese	4000	3940	98.5				
Mercury	10.0	10.1	101				
Nickel	4000	3680	92.0				
Potassium	20000	19300	96.5				
Selenium	4000	3770	94.3				
Silver	4000	3730	93.3				
Sodium	20000	19000	95.0				
Thallium	4000	3560	89.0				
Vanadium	4000	3930	98.3				
Zinc	4000	3800	95.0				

(1) Control Limits = 85-115%
(2)Manufacture's Recommended Limits

Aqueous LCS Source: MV Laboratories

Solid LCS Source: Environmental Resource Associates; PriorityPollutnT/CLP Inorganics Soils

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)			
	TRUE	FOUND	%R(1)	TRUE	FOUND	LIMITS	%R(2)
Aluminum				9690	11500	D.L.-17900	119
Antimony				228	14.3	D.L.-268	6.27
Arsenic				70.1	55.2	31.9-71.1	78.7
Barium				282	298	175-353	106
Beryllium				174	164	104-200	94.3
Cadmium				64.8	60.9	36.2-77.0	94.0
Calcium				11300	11800	6280-14900	104
Chromium				39.2	40.1	13.5-49.2	102
Cobalt				69.4	50.6	30.4-69.4	72.9
Copper				144	138	89.5-177	95.8
Iron				14200	14000	3130-22900	98.6
Lead				75.0	81.3	42.7-94.1	108
Magnesium				3100	3260	1540-4080	105
Manganese				318	356	160-456	112
Mercury				1.00	0.972	.614-1.39	97.2
Nickel				104	111	65.0-135	107
Potassium				3490	3760	1170-5370	108
Selenium				61.4	59.0	24.6-82.8	96.1
Silver				67.2	60.7	34.0-76.0	90.3
Sodium				783	717	335-1190	91.6
Thallium				123	109	61.2-155	88.6
Vanadium				63.4	65.4	20.0-91.4	103
Zinc				95.2	85.4	45.4-125	89.7

(1) Control Limits = 85-115%
(2)Manufacture's Recommended Limits

Aqueous LCS Source: MV Laboratories

Solid LCS Source: Environmental Resource Associates: PriorityPollutnT/CLP Inorganics Soils

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES

Lab Case Number: E02- 0161, 1005, 1275, 1304, 1325, 1327, 1329, 1332, 1338

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Aluminum	8110	7890	2.75			
Antimony	ND			54.5	51.6	106
Arsenic	130	133	2.28			
Barium	23.1	21.9	5.33			
Beryllium	ND			58.4	51.6	113
Cadmium	ND			58.3	51.6	113
Calcium	971	904	7.15			
Chromium	21.9	21.7	0.917			
Cobalt	3.94	3.69	6.55			
Copper	280	283	1.07			
Iron	15000	15800	5.19			
Lead	35.2	35.0	0.570			
Magnesium	3220	3560	10.0			
Manganese	119	118	0.844			
Mercury	0.062			0.382	0.323	99.1
Nickel	12.9	12.7	1.56			
Potassium	876	872	0.458			
Selenium	ND			59.5	51.6	115
Silver	ND			61.0	51.6	118
Sodium	ND			1210	1032	117
Thallium	0.950			61.1	51.6	117
Vanadium	30.9	29.0	6.34			
Zinc	48.9	50.1	2.42			

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample : 01304-009

QC Sample for following samples:
0161-014~017; 1005-01; 1275-01,03,04,08; 1304-03~011;
1325-02~06; 1327-03~09; 1329-011; 1332-02; 1338-01,02

Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
2/26/03

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil
Units: S-mg/Kg

Batch ID: AP013-0016

Blank

Parameter	Method Blank	MDL	Analysis Date
Total Cyanide	ND	1.00	02/26/03

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
Total Cyanide	01325-002S	17.6	17.6	0	20

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
Total Cyanide	01325-002	ND	17.3	17.6	102	75 - 125

The above blank result applies to the follow samples:

E03-01325-002
E03-01325-002D
E03-01325-002S
E03-01325-002SD
E03-01325-003
E03-01325-004
E03-01325-005
E03-01325-006
E03-01327-001
E03-01327-003
E03-01327-004
E03-01327-005
E03-01327-006
E03-01327-007
E03-01327-008
E03-01327-009
E03-01327-010

++ = No Flash - Sample boiled at 100C
NA = Not Applicable
ND = Not Detected
NC = Non calculable RPD due to value less than the detection limit
No = Does Not Ignite
Yes = Sample Ignites

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Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Name:	EWMA
Address:	100 Misty Lane P.O. Box 5430 Parsippany NJ
Telephone #:	973 560-1400
Fax #:	973 560-8400
Project Name:	Former Celotex
Project Manager:	Paul Schatz
Reference ID#:	232847 PO#: 26219

REPORTING & BILLING

Fax to:	Paul Schatz
Fax #:	
EMail to:	
Report to:	Same
Address:	
Invoice to:	Same
Address:	

Turnaround Time

Conditional / TPHC: 24 hr* 48 hr 72 hr 1 wk NA Other: STD

Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk Other: STD

Hard Copy: 72 hr* 1 wk* 2 wk* 3 wk Other: STD

*Prior to sample arrival, Lab notification is required.

Report Format

Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1

Special Requirements:

**Circle format required

ANALYTICAL PARAMETERS / PRESERVATIVES

SAMPLE MATRIX: W - Waste, SL - Sludge, A - Aqueous, O - Oil, X - Other, S - Soil, GW - Groundwater, SOL - Solid

Preservatives: 1. HCL 2. NaOH 3. HNO_3 4. H_2SO_4 5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

Sample ID	Sample Depth (in Feet)	Sampling Date	Sampling Time	am	pm	Matrix	# of Containers	Lab ID	TCL+10	TCL+30	TAL	CYANIDE							Comments/Area of Concern
Field Blank	—	2/21/03	11:00	X		A	7	1	X	X	X	X							
TR. pblnk	—	1	—			—	1	2	X										
SB-T24-23	23-23.5	2/21/03	10:25	X		S	2	3	X	X	X	X							11.4g
SB-T24-0	0-0.5		10:40	X		S	2	4	X	X	X	X							11.9g
SB-T26-0	0-0.5		11:25	X		S	2	5	X	X	X	X							10.5g
SB-T26-8.5	8.5-9.0		13:15	X		S	2	6	X	X	X	X							11.5g
SB-T26-30.5	30.5-31.0		14:10	X		S	2	7	X	X	X	X							10.7g
SB-W11-0	0-0.5		15:10	X		S	2	8	X	X	X	X							
SB-W11-10.5	10.5-11		15:20	X		S	2	9	X	X	X	X							
SB-W11-26.5	26.5-27.0		15:40			S	2	10											

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Concentrations Expected: LOW MED HIGH

Known Hazard: yes no
Describe:

CUSTODY LOG

Signature/Company	Date	Time	Signature/ Company
Relinquished by: [signature]	2/21/03	1610	Received by: James Barker
Relinquished by: [signature]	2/21/03	1820	Received by: [signature] (IAL)
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments:

Lab Case # 1327

PAGE: 1 OF 1

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 12/01

302834

PROJECT INFORMATION

** RUSH **

Case No. E03-01327 **Project** FORMER CELOTEX - 202887

Customer EWMA - HQ

Contact Paul Schatz

EMail Paul.Schatz@ewma.com ☑ EMail EDDs

Phone (973) 560-1400 **Fax** (973) 560-0400

P.O. # L6219

Received 2/21/2003 18:20

Verbal Due 3/3/2003

Report Due 3/17/2003

Report To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Paul Schatz

Bill To

Lanidex Center
100 Misty Lane
Parsippany, NJ 07054
Attn: Paul Schatz

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
01327-001	FIELD BLANK	n/a	2/21/2003@11:00	Aqueous	mg/L	7
01327-002	TRIP BLANK	n/a	2/21/2003	Soil	mg/Kg	1
01327-003	SB-T24-23	23 / 23.5	2/21/2003@10:25	Soil	mg/Kg	2
01327-004	SB-T24-0	0 / 0.5	2/21/2003@10:40	Soil	mg/Kg	2
01327-005	SB-T26-0	0 / 0.5	2/21/2003@11:25	Soil	mg/Kg	2
01327-006	SB-T26-8.5	8.5 / 9.0	2/21/2003@13:15	Soil	mg/Kg	2
01327-007	SB-T26-30.5	30.5 / 31.0	2/21/2003@14:10	Soil	mg/Kg	2
01327-008	SB-X11-0	0 / 0.5	2/21/2003@15:10	Soil	mg/Kg	2
01327-009	SB-X11-10.5	10.5 / 11	2/21/2003@15:20	Soil	mg/Kg	2
01327-010	SB-X11-26.5	26.5 / 27.0	2/21/2003@15:40	Soil	mg/Kg	2

Sample #	Tests	Status	QA Method
001	TCL VOA + 10	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
002	TCL VOA - MeOH Preserved	Run	8260B
003	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
004	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
005	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C

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PROJECT INFORMATION

** RUSH **

Case No. E03-01327 Project FORMER CELOTEX - 202887

Sample #	Tests	Status	QA Method
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
006	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
007	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
008	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
009	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014
010	TCL VOA + 10 - MeOH Preserved	Run	8260B
"	TCL BNA + 20	Run	8270C
"	PCB	Run	8082
"	TCL Pesticides	Run	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Run	9014

02/24/2003 11:09 by Denise - NOTE 1

RESULTS FOR SAMPLES #6, #9, AND #10 ON 1 WEEK TAT. ALL OTHERS DUE 3/6/03.

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E03** **1327** CLIENT: EWMA

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

CHAIN OF CUSTODY: COMPLETE / INCOMPLETE Comments:

		Comments:
Sample Bottles Intact:	✓	
Sample Labels Intact/ Correct:	✓	
Sufficient Sample Volume:	✓	
Correct bottles/ preservative:	✓	
Samples received in holding time/ prep time:	✓	
Headspace/ bubbles in voa samples:	✓	
Samples to be subcontracted:	✓	

Preserved Sample pH checked: (Excluding voa samples) ✓

KEY
✓ = YES
✗ = NO
✓ = N/A

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL KR DATE 2/21/03

CORRECTIVE ACTION REQUIRED: YES [ ] (SEE BELOW) **NO** [ ]

CLIENT NOTIFIED: YES [ ] Date/ Time: NO [ ]

PROJECT CONTACT: JOE KRULIK / PAUL SCHATZ

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS: SAMPLE ID'S FOR SAMPLES #8, #9 & #10 ~~#11~~ DNL SHOULD BE SB-X11-0 (#8), SB-X11-10.5 (#9) & SB-X11-26.5 (#10). DNL
RESULTS FOR SAMPLES #6, #9 & #10* NEEDED ON 1 WEEK TAT. DNL 2/24/03
(* #10 - RUN SAME ANALYSIS AS OTHER SAMPLES)

VERIFIED/TAKEN BY: INITIAL DNL DATE

REV 10/00

0499

302837

LABORATORY CUSTODY CHRONICLE

Case No. E03-01327

Client EWMA - HQ

Project FORMER CELOTEX - 202887

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: Volatiles						
TCL VOA - MeOH Preserved	01327-002	Soil	n/a	n/a	2/25/03	Donnie
TCL VOA + 10	-001	Aqueous	n/a	n/a	2/25/03	Donnie
"	-003	Soil	n/a	n/a	2/25/03	Donnie
"	-004	Soil	n/a	n/a	2/25/03	Donnie
"	-005	Soil	n/a	n/a	2/25/03	Donnie
"	-006	Soil	n/a	n/a	2/25/03	Donnie
"	-007	Soil	n/a	n/a	2/25/03	Donnie
"	-008	Soil	n/a	n/a	2/25/03	Donnie
"	-009	Soil	n/a	n/a	2/25/03	Donnie
"	-010	Soil	n/a	n/a	2/25/03	Donnie
Department: Semivolatiles						
TCL BNA + 20	01327-001	Aqueous	2/24/03	Dan	2/25/03	JC
"	-003	Soil	2/25/03	Dan	2/25/03	JC
"	-004	Soil	2/25/03	Dan	2/25/03	JC
"	-005	Soil	2/25/03	Dan	2/25/03	JC
"	-006	Soil	2/25/03	Dan	2/25/03	JC
"	-007	Soil	2/25/03	Dan	2/25/03	JC
"	-008	Soil	2/25/03	Dan	2/25/03	JC
"	-009	Soil	2/25/03	Dan	2/25/03	JC
"	-010	Soil	2/25/03	Dan	2/25/03	JC
Department: GC						
PCB	01327-001	Aqueous	2/24/03	Eleanor	2/27/03	Margaret
"	-003	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-004	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-005	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-006	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-007	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-008	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-009	Soil	2/25/03	Eleanor	2/27/03	Margaret
"	-010	Soil	2/25/03	Eleanor	2/27/03	Margaret
TCL Pesticides	01327-001	Aqueous		Eleanor	2/24/03	Yuru
"	-003	Soil		Eleanor	2/25/03	Yuru
"	-004	Soil		Eleanor	2/25/03	Yuru
"	-005	Soil		Eleanor	2/25/03	Yuru
"	-006	Soil		Eleanor	2/25/03	Yuru

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March 03, 2003

0500

302838

LABORATORY CUSTODY CHRONICLE

Case No. E03-01327

Client EWMA - HQ

Project FORMER CELOTEX - 202887

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: GC						
"	-007	Soil		Eleanor	2/25/03	Yuru
"	-008	Soil		Eleanor	2/25/03	Yuru
"	-009	Soil		Eleanor	2/25/03	Yuru
"	-010	Soil		Eleanor	2/25/03	Yuru
Department: Metals						
TAL Metals	01327-001	Aqueous	2/24/03	Lisa n/a	2/24/03	Helge
"	-003	Soil	2/24/03	n/a	2/24/03	Helge
"	-004	Soil	2/24/03	n/a	2/24/03	Helge
"	-005	Soil	2/24/03	n/a	2/24/03	Helge
"	-006	Soil	2/24/03	n/a	2/24/03	Helge
"	-007	Soil	2/24/03	n/a	2/24/03	Helge
"	-008	Soil	2/24/03	n/a	2/24/03	Helge
"	-009	Soil	2/24/03	n/a	2/24/03	Helge
"	-010	Soil	2/24/03	n/a	2/24/03	Helge
Department: Wet Chemistry						
Cyanide, Total	01327-001	Aqueous	n/a	n/a	2/26/03	Jackie
"	-003	Soil	n/a	n/a	2/26/03	Jackie
"	-004	Soil	n/a	n/a	2/26/03	Jackie
"	-005	Soil	n/a	n/a	2/26/03	Jackie
"	-006	Soil	n/a	n/a	2/26/03	Jackie
"	-007	Soil	n/a	n/a	2/26/03	Jackie
"	-008	Soil	n/a	n/a	2/26/03	Jackie
"	-009	Soil	n/a	n/a	2/26/03	Jackie
"	-010	Soil	n/a	n/a	2/26/03	Jackie

Review and Approval: Andy Nguyen

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March 03, 2003

0501

302839

Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

Environmental Waste Management Associates, LLC.
Lanidex Center
100 Misty Lane
Parsippany, NJ 07054

Project Name: **FORMER CELOTEX - 202887**
IAL Case Number: **E03-01398**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

MAR 2003
RECEIVED

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

nelac
IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Florida (E87670) and in the Department of Navy IR QA Program

302840

Sample Summary

Case No. E03-01398

Project Name FORMER CELOTEX - 202887

Customer EWMA - HQ

Received On 2/25/2003@18:00

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	# of Cont.
01398-001	FIELD BLANK	n/a	2/24/2003@12:30	Aqueous	9
01398-002	TRIP BLANK	n/a	2/24/2003	Soil	1
01398-003	SB-X13-0	0 / 0.5	2/24/2003@10:00	Soil	2
01398-004	SB-X13-8	8 / 8.5	2/24/2003@10:15	Soil	2
01398-005	SB-X13-23.5	23.5 / 24	2/24/2003@10:40	Soil	2
01398-006	SB-T15-0	0 / 0.5	2/24/2003@11:40	Soil	2
01398-007	SB-T15-8	8 / 8.5	2/24/2003@11:50	Soil	2
01398-008	SB-T28-0	0 / 0.5	2/24/2003@13:03	Soil	2
01398-009	SB-T28-8	8 / 11	2/24/2003@13:25	Soil	2
01398-010	SB-T28-15.5	15.5 / 16	2/24/2003@13:40	Soil	2
01398-011	SB-T28-28	28 / 28.5	2/24/2003@14:00	Soil	2
01398-012	SB-T28-37.5	37.5 / 38	2/24/2003@15:20	Soil	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and eleven (11) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: FORMER CELOTEX - 202887) on February 25, 2003 for the analysis of:

(11) TCL VOA + 10
(10) TCL BNA + 20
(10) PCB
(10) TCL Pesticides
(10) TAL Metals
(10) Cyanide, Total

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

3/25/03
Date

0002

302845

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E03-01398

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
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.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

QC Reviewed by

3/25/03
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS VOLATILE ANALYSIS

Lab Case Number: E03 - 01398

		No	Yes
1.	Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2.	GC/MS Tuning Specifications: a. BFB Passed		✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series and 8 hours for 500 series.		✓
4.	GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series, 12 hours for 8000 series		✓
5.	GC/MS Calibration Requirements: a. Calibration Check Compounds		✓
	b. System Performance Check Compounds		✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
7.	Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
	If not met, were the calculations checked and the results qualified as "estimated"?		na
8.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
9.	Internal Standard Area/Retention Time Shift meet criteria		✓
10.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:		N/A
11.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12.	Sample Dilution Performed	✓	

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other

13. Comments:

Organics Manager

2/28/03
Date

mtc 12/26/02

0004

302847

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC/MS SEMIVOLATILE ANALYSIS

Lab Case Number: E03 - 01398

	No	Yes
1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).		✓
2. GC/MS Tuning Specifications: a. DFTPP Passed		✓
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series, 12 hours for 8000 series.		✓
4. GC/MS Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours before sample analysis for 600 series.		✓
5. GC/MS Calibration Requirements:		
a. Calibration Check Compounds		✓
b. System Performance Check Compounds		✓
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
a. B/N Fraction		
b. Acid Fraction		
7. Surrogate Recoveries Meet Criteria (If not met, list those compounds and their recoveries which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
If not met, were the calculations checked and the results qualified as "estimated"?		na
8. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range)		✓
a. B/N Fraction		
b. Acid Fraction		
9. Internal Standard Area/Retention Time Shift meet criteria		✓
10. Extraction Holding Time Met If not met, list number of days exceeded for each sample:		✓
11. Analysis Holding Time Met If not met, list number of days exceeded for each sample:		✓
12. Sample Dilution Performed		✓

High Target Compounds	High Nontarget Compounds	Matrix Interference	Other
✓			

13. Comments:

Organics Manager

02/28/03
Date

0005

302848

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PCB'S

Lab Case Number: E03 - 01598

		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 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

03. 05 2003
Date

0006

302849

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
GC ANALYSIS - PESTICIDES

Lab Case Number: E03 - 01398

		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 12 hrs of the sample analysis.		✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:	✓	
5.	Surrogate Recoveries meet criteria (if applicable). If not met, list those compounds and their recoveries which fall outside the acceptable range:		✓
6.	Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range) acceptable range:		✓
7.	Retention Time Shift Meet Criteria (if applicable).		✓
8.	Extraction Holding Time Met. If not met, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not met, list number of days exceeded for each sample:		✓

Comments:

Organic Manager

02/28/03
Date

mtc 12/26/02

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E03 - 01398

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		✓
3.	Serial Dilution Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable)/Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

H. Falk-Jorgensen
Inorganics Manager

02/28/03
Date

mtc 12/26/02

0008

302851

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	**01398-001**		
Client ID:	**FIELD BLANK**		
Matrix:	**Aqueous**		
Sampled Date	**2/24/2003**		
PARAMETER(Units)	Conc	Q	MDL
Volatiles (mg/L-ppm)			
TOTAL VO's:	ND		0.005
TOTAL TIC's:	ND		
TOTAL VO's & TIC's:	ND		
Semivolatiles - BNA (mg/L-ppm)			
TOTAL BNA'S:	ND		0.00024
TOTAL TIC's:	ND		
TOTAL BNA'S & TIC's:	ND		
PCB's (mg/L-ppm)	ND		0.0002
Pesticides (mg/L-ppm)	ND		0.00001
Metals (mg/L-ppm)			
Aluminum	ND		1.00
Antimony	ND		0.100
Arsenic	ND		0.100
Barium	ND		1.00
Beryllium	ND		0.050
Cadmium	ND		0.025
Calcium	ND		5.00
Chromium	ND		0.200
Cobalt	ND		0.200
Copper	ND		0.200
Iron	ND		2.50
Lead	ND		0.050
Magnesium	ND		5.00
Manganese	ND		0.500
Mercury	ND		0.0005
Nickel	ND		0.100
Potassium	ND		5.00
Selenium	ND		0.200
Silver	ND		0.050
Sodium	ND		10.0
Thallium	ND		0.010
Vanadium	ND		0.200
Zinc	ND		0.200
General Analytical			
Total Cyanide(mg/L-ppm)	ND		0.02

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-002			01398-003			01398-004			01398-005		
Client ID:	TRIP BLANK			SB-X13-0			SB-X13-8			SB-X13-23.5		
Depth:				0/0.5			8/8.5			23.5/24		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
Benzene	ND		0.625	ND		0.586	2.71		0.328	ND		0.673
Toluene	ND		0.625	ND		0.586	34.4		0.657	ND		0.673
Ethylbenzene	ND		0.625	ND		0.586	37.5		0.657	ND		0.673
Total Xylenes	ND		0.625	ND		0.586	76.4		0.657	ND		0.673
Isopropylbenzene	ND		0.625	ND		0.586	2.10		0.657	ND		0.673
TOTAL VO's:	ND			ND			153			ND		
TOTAL TIC's:	ND			ND			1080			ND		
TOTAL VO's & TIC's:	ND			ND			1230			ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	~		~	0.135		0.110	979		6.72	1.43		0.117
2-Methylnaphthalene	~		~	ND		0.110	334		6.72	1.03		0.117
1-1'-Biphenyl	~		~	ND		0.110	46.8		6.72	0.264		0.117
Acenaphthylene	~		~	ND		0.110	77.7		6.72	0.172		0.117
Acenaphthene	~		~	0.102	J	0.110	86.9		6.72	0.411		0.117
Dibenzofuran	~		~	ND		0.110	81.3		6.72	0.377		0.117
Fluorene	~		~	0.103	J	0.110	172		6.72	0.689		0.117
Phenanthrene	~		~	0.882		0.110	457		6.72	2.12		0.117
Anthracene	~		~	0.250		0.110	80.9		6.72	0.517		0.117
Carbazole	~		~	0.084	J	0.110	29.9		6.72	0.101	J	0.117
Fluoranthene	~		~	1.38		0.110	128		6.72	0.796		0.117
Pyrene	~		~	1.38		0.110	119		6.72	0.771		0.117
Benzo[a]anthracene	~		~	0.823		0.110	36.6		6.72	0.285		0.117
Chrysene	~		~	0.876		0.110	33.8		6.72	0.246		0.117
bis(2-Ethylhexyl)phthalate	~		~	0.117		0.110	ND		6.72	ND		0.117
Benzo[b]fluoranthene	~		~	0.561		0.110	8.56		6.72	0.080	J	0.117
Benzo[k]fluoranthene	~		~	0.554		0.110	15.4		6.72	0.109	J	0.117
Benzo[a]pyrene	~		~	0.615		0.110	17.7		6.72	0.127		0.117
Indeno[1,2,3-cd]pyrene	~		~	0.484		0.110	6.23	J	6.72	ND		0.117
Dibenz[a,h]anthracene	~		~	0.215		0.110	ND		6.72	ND		0.117
Benzo[g,h,i]perylene	~		~	0.516		0.110	6.32	J	6.72	ND		0.117
TOTAL BNA'S:	~			9.08	J		2720	J		9.53	J	
TOTAL TIC's:	~		~	0.461			355.5			0.562		
TOTAL BNA'S & TIC's:	~		~	9.54	J		3080	J		10.1	J	

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-002			01398-003			01398-004			01398-005		
Client ID:	TRIP BLANK			SB-X13-0			SB-X13-8			SB-X13-23.5		
Depth:				0/0.5			8/8.5			23.5/24		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (mg/Kg-ppm)												
Aroclor-1016	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1221	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1232	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1242	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1248	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1254	~		~	ND		0.015	ND		0.019	ND		0.017
Aroclor-1260	~		~	0.029		0.015	ND		0.019	ND		0.017
Pesticides (mg/Kg-ppm)	~		~	ND		0.00388	ND		0.00472	ND		0.00435
Metals (mg/Kg-ppm)												
Aluminum	~		~	15700		11.2	10700		11.8	5940		12.1
Antimony	~		~	ND		1.12	ND		1.18	ND		1.21
Arsenic	~		~	6.24		1.12	40.5		1.18	281		1.21
Barium	~		~	131		11.2	32.2		11.8	25.9		12.1
Beryllium	~		~	0.585		0.558	ND		0.590	ND		0.605
Cadmium	~		~	ND		0.279	ND		0.295	ND		0.303
Calcium	~		~	3880		55.8	1250		59.0	501		60.5
Chromium	~		~	43.3		2.23	16.2		2.36	13.7		2.42
Cobalt	~		~	15.0		2.23	6.66		2.36	2.48		2.42
Copper	~		~	44.2		2.23	15.7		2.36	134		2.42
Iron	~		~	24900		27.9	13800		29.5	10800		30.3
Lead	~		~	97.3		0.558	78.8		0.590	9.89		0.605
Magnesium	~		~	7550		55.8	4400		59.0	2160		60.5
Manganese	~		~	396		5.58	702		5.90	74.9		6.05
Mercury	~		~	0.098		0.014	0.025		0.015	ND		0.015
Nickel	~		~	35.3		1.12	15.2		1.18	8.03		1.21
Potassium	~		~	5660		55.8	622		59.0	831		60.5
Selenium	~		~	ND		2.23	ND		2.36	ND		2.42
Silver	~		~	ND		0.558	ND		0.590	ND		0.605
Sodium	~		~	632		112	236		118	127		121
Thallium	~		~	0.272		0.112	1.28		0.118	4.87		0.121
Vanadium	~		~	46.5		2.23	18.1		2.36	11.5		2.42
Zinc	~		~	108		2.23	241		2.36	25.9		2.42
General Analytical												
Total Cyanide(mg/Kg-ppm)	~		~	ND		1.12	ND		1.18	ND		1.21

~ = Sample not analyzed for
ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-006			01398-007			01398-008			01398-009		
Client ID:	SB-T15-0			SB-T15-8			SB-T28-0			SB-T28-8		
Depth:	0/0.5			8/8.5			0/0.5			11-Aug		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)												
TOTAL VO's:	ND		0.789	ND		0.735	ND		0.720	ND		0.710
TOTAL TIC's:	ND			ND			ND			ND		
TOTAL VO's & TIC's:	ND			ND			ND			ND		
Semivolatiles - BNA (mg/Kg-ppm)												
Naphthalene	0.944		0.118	ND		0.107	ND		0.116	0.205		0.123
2-Methylnaphthalene	0.637		0.118	ND		0.107	ND		0.116	0.083	J	0.123
1-1'-Biphenyl	0.145		0.118	ND		0.107	ND		0.116	ND		0.123
Acenaphthylene	0.105	J	0.118	ND		0.107	ND		0.116	ND		0.123
Acenaphthene	0.663		0.118	ND		0.107	ND		0.116	0.358		0.123
Dibenzofuran	0.418		0.118	ND		0.107	ND		0.116	0.112	J	0.123
Fluorene	0.743		0.118	ND		0.107	ND		0.116	0.207		0.123
Phenanthrene	4.13		0.118	0.267		0.107	0.230		0.116	1.22		0.123
Anthracene	0.898		0.118	0.080	J	0.107	ND		0.116	0.348		0.123
Carbazole	0.379		0.118	ND		0.107	ND		0.116	0.230		0.123
Di-n-butylphthalate	0.208		0.118	ND		0.107	ND		0.116	ND		0.123
Fluoranthene	3.84		0.118	0.305		0.107	0.178		0.116	1.53		0.123
Pyrene	4.02		0.118	0.287		0.107	0.183		0.116	1.16		0.123
Butylbenzylphthalate	0.954		0.118	ND		0.107	ND		0.116	ND		0.123
Benzo[a]anthracene	2.21		0.118	0.180		0.107	0.107	J	0.116	0.939		0.123
Chrysene	2.37		0.118	0.152		0.107	0.102	J	0.116	0.986		0.123
bis(2-Ethylhexyl)phthalate	0.912		0.118	0.378		0.107	0.083	J	0.116	0.212		0.123
Benzo[b]fluoranthene	1.78		0.118	0.091	J	0.107	ND		0.116	0.656		0.123
Benzo[k]fluoranthene	1.21		0.118	0.110		0.107	0.071	J	0.116	0.747		0.123
Benzo[a]pyrene	1.71		0.118	0.128		0.107	0.083	J	0.116	0.754		0.123
Indeno[1,2,3-cd]pyrene	1.28		0.118	0.070	J	0.107	ND		0.116	0.617		0.123
Dibenz[a,h]anthracene	0.507		0.118	ND		0.107	ND		0.116	0.259		0.123
Benzo[g,h,i]perylene	1.56		0.118	0.077	J	0.107	ND		0.116	0.566		0.123
TOTAL BNA'S:	31.6	J		2.13	J		1.04	J		11.2	J	
TOTAL TIC's:	2.868			ND			ND			0.738		
TOTAL BNA'S & TIC's:	34.5	J		2.13	J		1.04	J		11.9	J	

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Semivolatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-006			01398-007			01398-008			01398-009		
Client ID:	SB-T15-0			SB-T15-8			SB-T28-0			SB-T28-8		
Depth:	0/0.5			8/8.5			0/0.5			11-Aug		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (mg/Kg-ppm)												
Aroclor-1016	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1221	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1232	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1242	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1248	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1254	ND		0.018	ND		0.017	ND		0.017	ND		0.019
Aroclor-1260	0.355		0.018	ND		0.017	ND		0.017	ND		0.019
Pesticides (mg/Kg-ppm)	ND		0.00449	ND		0.00431	ND		0.00424	ND		0.00485
Metals (mg/Kg-ppm)												
Aluminum	15700		12.0	2330		11.8	9790		12.1	8990		12.5
Antimony	ND		1.20	ND		1.18	ND		1.21	ND		1.25
Arsenic	9.08		1.20	4.30		1.18	3.87		1.21	4.24		1.25
Barium	148		12.0	ND		11.8	57.5		12.1	64.4		12.5
Beryllium	ND		0.602	ND		0.588	ND		0.605	ND		0.625
Cadmium	0.374		0.301	ND		0.294	ND		0.303	0.544		0.313
Calcium	29500		602	1590		58.8	4160		60.5	40600		625
Chromium	48.3		2.41	3.39		2.35	21.1		2.42	23.3		2.50
Cobalt	12.5		2.41	ND		2.35	8.04		2.42	6.26		2.50
Copper	47.5		2.41	13.6		2.35	30.9		2.42	63.4		2.50
Iron	22100		30.1	1100		29.4	17300		30.3	11700		31.3
Lead	142		0.602	89.2		0.588	32.9		0.605	63.9		0.625
Magnesium	9330		60.2	426		58.8	3740		60.5	8010		62.5
Manganese	384		6.02	19.7		5.88	293		6.05	297		6.25
Mercury	0.225		0.015	0.045		0.015	0.040		0.015	0.399		0.016
Nickel	34.9		1.20	ND		1.18	17.0		1.21	18.6		1.25
Potassium	5280		60.2	336		58.8	932		60.5	1360		62.5
Selenium	ND		2.41	ND		2.35	ND		2.42	ND		2.50
Silver	ND		0.602	ND		0.588	ND		0.605	ND		0.625
Sodium	617		120	268		118	253		121	1910		125
Thallium	0.261		0.120	ND		0.118	ND		0.121	ND		0.125
Vanadium	44.3		2.41	6.02		2.35	34.3		2.42	25.2		2.50
Zinc	125		2.41	20.0		2.35	64.0		2.42	96.4		2.50
General Analytical												
Total Cyanide(mg/Kg-ppm)	ND		1.20	ND		1.18	ND		1.21	ND		1.25

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-010			01398-011			01398-012		
Client ID:	SB-T28-15.5			SB-T28-28			SB-T28-37.5		
Depth:	15.5/16			28/28.5			37.5/38		
Matrix:	Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Volatiles (mg/Kg-ppm)									
Ethylbenzene	0.129	J	0.643	~		~	ND		0.741
TOTAL VO's:	0.129			~			ND		
TOTAL TIC's:	8.33			~		~	ND		
TOTAL VO's & TIC's:	8.46	J		~		~	ND		
Semivolatiles - BNA (mg/Kg-ppm)									
1-1'-Biphenyl	6.67		4.83	~		~	ND		0.111
Acenaphthylene	10.9		4.83	~		~	ND		0.111
Acenaphthene	53.5		4.83	~		~	ND		0.111
Dibenzofuran	56.3		4.83	~		~	ND		0.111
Fluorene	49.2		4.83	~		~	ND		0.111
Phenanthrene	556		4.83	~		~	0.124		0.111
Anthracene	113		4.83	~		~	ND		0.111
Carbazole	15.5		4.83	~		~	ND		0.111
Fluoranthene	532		4.83	~		~	ND		0.111
Pyrene	400		4.83	~		~	ND		0.111
Benzo[a]anthracene	173		4.83	~		~	ND		0.111
Chrysene	175		4.83	~		~	ND		0.111
bis(2-Ethylhexyl)phthalate	ND		4.83	~		~	0.136		0.111
Benzo[b]fluoranthene	112		4.83	~		~	ND		0.111
Benzo[k]fluoranthene	85.8		4.83	~		~	ND		0.111
Benzo[a]pyrene	100		4.83	~		~	ND		0.111
Indeno[1,2,3-cd]pyrene	65.6		4.83	~		~	ND		0.111
Dibenz[a,h]anthracene	24.3		4.83	~		~	ND		0.111
Benzo[g,h,i]perylene	63.3		4.83	~		~	ND		0.111
TOTAL BNA'S:	2590			~			0.260		
TOTAL TIC's:	406.4			~			ND		
TOTAL BNA'S & TIC's:	3000			~			0.260		

ND = Analyzed for but Not Detected at the MDL
J = The concentration was detected at a value below the MDL
All qualifiers on individual Volatiles are carried down through summation.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-010			01398-011			01398-012		
Client ID:	SB-T28-15.5			SB-T28-28			SB-T28-37.5		
Depth:	15.5/16			28/28.5			37.5/38		
Matrix:	Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (mg/Kg-ppm)									
Aroclor-1016	ND		0.018	~		~	ND		0.017
Aroclor-1221	ND		0.018	~		~	ND		0.017
Aroclor-1232	ND		0.018	~		~	ND		0.017
Aroclor-1242	0.643		0.018	~		~	ND		0.017
Aroclor-1248	ND		0.018	~		~	ND		0.017
Aroclor-1254	ND		0.018	~		~	ND		0.017
Aroclor-1260	ND		0.018	~		~	ND		0.017
Pesticides (mg/Kg-ppm)									
alpha-BHC	ND		0.00449	~		~	ND		0.00415
beta-BHC	ND		0.00449	~		~	ND		0.00415
gamma-BHC	ND		0.00449	~		~	ND		0.00415
delta-BHC	ND		0.00449	~		~	ND		0.00415
Heptachlor	ND		0.00449	~		~	ND		0.00415
Aldrin	ND		0.00449	~		~	ND		0.00415
Heptachlor epoxide	ND		0.00449	~		~	ND		0.00415
Endosulfan I	ND		0.00449	~		~	ND		0.00415
4,4'-DDE	0.00893		0.00449	~		~	ND		0.00415
Dieldrin	0.00556		0.00449	~		~	ND		0.00415
Endrin	ND		0.00449	~		~	ND		0.00415
Endosulfan II	0.013		0.00449	~		~	ND		0.00415
4,4'-DDD	0.016		0.00449	~		~	ND		0.00415
Endrin aldehyde	ND		0.00449	~		~	ND		0.00415
Endosulfan sulfate	ND		0.00449	~		~	ND		0.00415
4,4'-DDT	ND		0.00449	~		~	ND		0.00415
Endrin ketone	ND		0.00449	~		~	ND		0.00415
Methoxychlor	ND		0.00449	~		~	ND		0.00415
alpha-Chlordane	ND		0.00449	~		~	ND		0.00415
gamma-Chlordane	ND		0.00449	~		~	ND		0.00415
Toxaphene	ND		0.022	~		~	ND		0.021

ND = Analyzed for but Not Detected at the MDL
~ = Sample not analyzed for

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: Environmental Waste Management Associates, LLC.
Project: FORMER CELOTEX - 202887
Lab Case No.: E03-01398

Lab ID:	01398-010			01398-011			01398-012		
Client ID:	SB-T28-15.5			SB-T28-28			SB-T28-37.5		
Depth:	15.5/16			28/28.5			37.5/38		
Matrix:	Soil			Soil			Soil		
Sampled Date	2/24/03			2/24/03			2/24/03		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
Metals (mg/Kg-ppm)									
Aluminum	12000		12.1	~		~	10600		11.9
Antimony	ND		1.21	~		~	ND		1.19
Arsenic	17.4		1.21	~		~	4.12		1.19
Barium	58.2		12.1	~		~	27.3		11.9
Beryllium	ND		0.605	~		~	0.741		0.593
Cadmium	1.53		0.303	~		~	0.363		0.296
Calcium	56700		605	~		~	3790		59.3
Chromium	53.2		2.42	~		~	23.7		2.37
Cobalt	12.0		2.42	~		~	8.02		2.37
Copper	111		2.42	~		~	31.3		2.37
Iron	19700		30.3	~		~	13000		29.6
Lead	99.8		0.605	~		~	30.9		0.593
Magnesium	28800		605	~		~	6660		59.3
Manganese	450		6.05	~		~	270		5.93
Mercury	2.93		0.152	~		~	ND		0.015
Nickel	34.4		1.21	~		~	26.2		1.19
Potassium	1610		60.5	~		~	3930		59.3
Selenium	ND		2.42	~		~	ND		2.37
Silver	1.59		0.605	~		~	ND		0.593
Sodium	414		121	~		~	1450		119
Thallium	0.324		0.121	~		~	ND		0.119
Vanadium	103		2.42	~		~	34.8		2.37
Zinc	109		2.42	~		~	61.3		2.37
General Analytical									
Total Cyanide(mg/Kg-ppm)	ND		1.21	~		~	ND		1.19

ND = Analyzed for but Not Detected at the MDL
~ = Sample not analyzed for

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2662.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.005
Chloromethane	ND		0.005
Vinyl Chloride	ND		0.005
Bromomethane	ND		0.005
Chloroethane	ND		0.005
Trichlorofluoromethane	ND		0.005
1,1-Dichloroethene	ND		0.005
Acetone	ND		0.010
Carbon Disulfide	ND		0.005
Methylene Chloride	ND		0.005
trans-1,2-Dichloroethene	ND		0.005
Methyl-t-Butyl Ether(MTBE)	ND		0.005
1,1-Dichloroethane	ND		0.005
cis-1,2-Dichloroethene	ND		0.005
2-Butanone(MEK)	ND		0.010
Bromochloromethane	ND		0.005
Chloroform	ND		0.005
1,1,1-Trichloroethane	ND		0.005
Carbon Tetrachloride	ND		0.005
1,2-Dichloroethane(EDC)	ND		0.005
Benzene	ND		0.005
Trichloroethene	ND		0.005
1,2-Dichloropropane	ND		0.005
Bromodichloromethane	ND		0.005
cis-1,3-Dichloropropene	ND		0.005
4-Methyl-2-pentanone(MIBK)	ND		0.010

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2662.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Toluene	ND		0.005
trans-1,3-Dichloropropene	ND		0.005
1,1,2-Trichloroethane	ND		0.005
Tetrachloroethene	ND		0.005
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.005
1,2-Dibromoethane(EDB)	ND		0.005
Chlorobenzene	ND		0.005
Ethylbenzene	ND		0.005
Total Xylenes	ND		0.005
Styrene	ND		0.005
Bromoform	ND		0.005
Isopropylbenzene	ND		0.005
1,1,2,2-Tetrachloroethane	ND		0.005
1,3-Dichlorobenzene	ND		0.005
1,4-Dichlorobenzene	ND		0.005
1,2-Dichlorobenzene	ND		0.005
1,2-Dibromo-3-chloropropane	ND		0.005
1,2,4-Trichlorobenzene	ND		0.005
1,2,3-Trichlorobenzene	ND		0.005
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.005
Methyl Acetate	ND		0.005
Cyclohexane	ND		0.005
Methylcyclohexane	ND		0.005

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2662.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-002
Client ID: TRIP_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2663.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.625
Chloromethane	ND		0.625
Vinyl Chloride	ND		0.625
Bromomethane	ND		0.625
Chloroethane	ND		0.625
Trichlorofluoromethane	ND		0.625
1,1-Dichloroethene	ND		0.625
Acetone	ND		1.25
Carbon Disulfide	ND		0.625
Methylene Chloride	ND		0.625
trans-1,2-Dichloroethene	ND		0.625
Methyl-t-Butyl Ether(MTBE)	ND		0.625
1,1-Dichloroethane	ND		0.625
cis-1,2-Dichloroethene	ND		0.625
2-Butanone(MEK)	ND		1.25
Bromochloromethane	ND		0.625
Chloroform	ND		0.625
1,1,1-Trichloroethane	ND		0.625
Carbon Tetrachloride	ND		0.625
1,2-Dichloroethane(EDC)	ND		0.625
Benzene	ND		0.625
Trichloroethene	ND		0.625
1,2-Dichloropropane	ND		0.625
Bromodichloromethane	ND		0.625
cis-1,3-Dichloropropene	ND		0.625
4-Methyl-2-pentanone(MIBK)	ND		1.25

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-002
Client ID: TRIP_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2663.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

Compound	Concentration	Q	MDL
Toluene	ND		0.625
trans-1,3-Dichloropropene	ND		0.625
1,1,2-Trichloroethane	ND		0.625
Tetrachloroethene	ND		0.625
2-Hexanone	ND		1.25
Dibromochloromethane	ND		0.625
1,2-Dibromoethane(EDB)	ND		0.625
Chlorobenzene	ND		0.625
Ethylbenzene	ND		0.625
Total Xylenes	ND		0.625
Styrene	ND		0.625
Bromoform	ND		0.625
Isopropylbenzene	ND		0.625
1,1,2,2-Tetrachloroethane	ND		0.625
1,3-Dichlorobenzene	ND		0.625
1,4-Dichlorobenzene	ND		0.625
1,2-Dichlorobenzene	ND		0.625
1,2-Dibromo-3-chloropropane	ND		0.625
1,2,4-Trichlorobenzene	ND		0.625
1,2,3-Trichlorobenzene	ND		0.625
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.625
Methyl Acetate	ND		0.625
Cyclohexane	ND		0.625
Methylcyclohexane	ND		0.625

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-002
Client ID: TRIP_BLANK
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2663.D

GC/MS Column: DB-624
Sample wt/vol: 0.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NC

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2664.D

GC/MS Column: DB-624
Sample wt/vol: 0.048g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.586
Chloromethane	ND		0.586
Vinyl Chloride	ND		0.586
Bromomethane	ND		0.586
Chloroethane	ND		0.586
Trichlorofluoromethane	ND		0.586
1,1-Dichloroethene	ND		0.586
Acetone	ND		1.17
Carbon Disulfide	ND		0.586
Methylene Chloride	ND		0.586
trans-1,2-Dichloroethene	ND		0.586
Methyl-t-Butyl Ether(MTBE)	ND		0.586
1,1-Dichloroethane	ND		0.586
cis-1,2-Dichloroethene	ND		0.586
2-Butanone(MEK)	ND		1.17
Bromochloromethane	ND		0.586
Chloroform	ND		0.586
1,1,1-Trichloroethane	ND		0.586
Carbon Tetrachloride	ND		0.586
1,2-Dichloroethane(EDC)	ND		0.586
Benzene	ND		0.586
Trichloroethene	ND		0.586
1,2-Dichloropropane	ND		0.586
Bromodichloromethane	ND		0.586
cis-1,3-Dichloropropene	ND		0.586
4-Methyl-2-pentanone(MIBK)	ND		1.17

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2664.D

GC/MS Column: DB-624
Sample wt/vol: 0.048g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

Compound	Concentration	Q	MDL
Toluene	ND		0.586
trans-1,3-Dichloropropene	ND		0.586
1,1,2-Trichloroethane	ND		0.586
Tetrachloroethene	ND		0.586
2-Hexanone	ND		1.17
Dibromochloromethane	ND		0.586
1,2-Dibromoethane(EDB)	ND		0.586
Chlorobenzene	ND		0.586
Ethylbenzene	ND		0.586
Total Xylenes	ND		0.586
Styrene	ND		0.586
Bromoform	ND		0.586
Isopropylbenzene	ND		0.586
1,1,2,2-Tetrachloroethane	ND		0.586
1,3-Dichlorobenzene	ND		0.586
1,4-Dichlorobenzene	ND		0.586
1,2-Dichlorobenzene	ND		0.586
1,2-Dibromo-3-chloropropane	ND		0.586
1,2,4-Trichlorobenzene	ND		0.586
1,2,3-Trichlorobenzene	ND		0.586
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.586
Methyl Acetate	ND		0.586
Cyclohexane	ND		0.586
Methylcyclohexane	ND		0.586

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2664.D

GC/MS Column: DB-624
Sample wt/vol: 0.048g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Data file: F2606.D

GC/MS Column: DB-624
Sample wt/vol: 0.009g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 15.4

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.657
Chloromethane	ND		0.657
Vinyl Chloride	ND		0.657
Bromomethane	ND		0.657
Chloroethane	ND		0.657
Trichlorofluoromethane	ND		0.657
1,1-Dichloroethene	ND		0.657
Acetone	ND		1.64
Carbon Disulfide	ND		0.657
Methylene Chloride	ND		0.657
trans-1,2-Dichloroethene	ND		0.657
Methyl-t-Butyl Ether(MTBE)	ND		1.64
1,1-Dichloroethane	ND		0.657
cis-1,2-Dichloroethene	ND		0.657
2-Butanone(MEK)	ND		0.657
Bromochloromethane	ND		0.657
Chloroform	ND		0.657
1,1,1-Trichloroethane	ND		0.657
Carbon Tetrachloride	ND		0.657
1,2-Dichloroethane(EDC)	ND		0.657
Benzene	2.71		0.328
Trichloroethene	ND		0.657
1,2-Dichloropropane	ND		0.657
Bromodichloromethane	ND		0.657
cis-1,3-Dichloropropene	ND		0.657
4-Methyl-2-pentanone(MIBK)	ND		0.657

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Data file: F2606.D

GC/MS Column: DB-624
Sample wt/vol: 0.009g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 15.4

Compound	Concentration	Q	MDL
Toluene	34.4		0.657
trans-1,3-Dichloropropene	ND		0.657
1,1,2-Trichloroethane	ND		0.657
Tetrachloroethene	ND		0.657
2-Hexanone	ND		1.31
Dibromochloromethane	ND		0.657
1,2-Dibromoethane(EDB)	ND		0.657
Chlorobenzene	ND		0.657
Ethylbenzene	37.5		0.657
Total Xylenes	76.4		0.657
Styrene	ND		0.657
Bromoform	ND		0.657
Isopropylbenzene	2.10		0.657
1,1,2,2-Tetrachloroethane	ND		0.657
1,3-Dichlorobenzene	ND		0.657
1,4-Dichlorobenzene	ND		0.657
1,2-Dichlorobenzene	ND		0.657
1,2-Dibromo-3-chloropropane	ND		0.657
1,2,4-Trichlorobenzene	ND		0.657
1,2,3-Trichlorobenzene	ND		0.657
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.657
Methyl Acetate	ND		0.657
Cyclohexane	ND		0.657
Methylcyclohexane	ND		0.657

Total Target Compounds: 153

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Date File: F2606.D

GC/MS Column: DB-624
Sample wt/vol: 0.009g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 15.4

CAS #	Compound	Estimated Concentration	Retention Time
	Substituted benzene	55.6	18.44
	Substituted benzene	47.0	18.56
	Substituted benzene	42.8	19.58
	Substituted benzene	196	19.99
	Substituted benzene	38.9	22.07
	Substituted benzene	44.1	22.20
	Substituted benzene	53.5	22.39
000091-20-3	Naphthalene	505	23.26
	Unknown aromatic	64.4	25.47
	Unknown aromatic	36.7	25.88

Total TICs = 1080

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/23.5-24
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2665.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.673
Chloromethane	ND		0.673
Vinyl Chloride	ND		0.673
Bromomethane	ND		0.673
Chloroethane	ND		0.673
Trichlorofluoromethane	ND		0.673
1,1-Dichloroethene	ND		0.673
Acetone	ND		1.35
Carbon Disulfide	ND		0.673
Methylene Chloride	ND		0.673
trans-1,2-Dichloroethene	ND		0.673
Methyl-t-Butyl Ether(MTBE)	ND		0.673
1,1-Dichloroethane	ND		0.673
cis-1,2-Dichloroethene	ND		0.673
2-Butanone(MEK)	ND		1.35
Bromochloromethane	ND		0.673
Chloroform	ND		0.673
1,1,1-Trichloroethane	ND		0.673
Carbon Tetrachloride	ND		0.673
1,2-Dichloroethane(EDC)	ND		0.673
Benzene	ND		0.673
Trichloroethene	ND		0.673
1,2-Dichloropropane	ND		0.673
Bromodichloromethane	ND		0.673
cis-1,3-Dichloropropene	ND		0.673
4-Methyl-2-pentanone(MIBK)	ND		1.35

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/23.5-24
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2665.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
Toluene	ND		0.673
trans-1,3-Dichloropropene	ND		0.673
1,1,2-Trichloroethane	ND		0.673
Tetrachloroethene	ND		0.673
2-Hexanone	ND		1.35
Dibromochloromethane	ND		0.673
1,2-Dibromoethane(EDB)	ND		0.673
Chlorobenzene	ND		0.673
Ethylbenzene	ND		0.673
Total Xylenes	ND		0.673
Styrene	ND		0.673
Bromoform	ND		0.673
Isopropylbenzene	ND		0.673
1,1,2,2-Tetrachloroethane	ND		0.673
1,3-Dichlorobenzene	ND		0.673
1,4-Dichlorobenzene	ND		0.673
1,2-Dichlorobenzene	ND		0.673
1,2-Dibromo-3-chloropropane	ND		0.673
1,2,4-Trichlorobenzene	ND		0.673
1,2,3-Trichlorobenzene	ND		0.673
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.673
Methyl Acetate	ND		0.673
Cyclohexane	ND		0.673
Methylcyclohexane	ND		0.673

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/23.5-24
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2665.D

GC/MS Column: DB-624
Sample wt/vol: 0.045g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2666.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.789
Chloromethane	ND		0.789
Vinyl Chloride	ND		0.789
Bromomethane	ND		0.789
Chloroethane	ND		0.789
Trichlorofluoromethane	ND		0.789
1,1-Dichloroethene	ND		0.789
Acetone	ND		1.58
Carbon Disulfide	ND		0.789
Methylene Chloride	ND		0.789
trans-1,2-Dichloroethene	ND		0.789
Methyl-t-Butyl Ether(MTBE)	ND		0.789
1,1-Dichloroethane	ND		0.789
cis-1,2-Dichloroethene	ND		0.789
2-Butanone(MEK)	ND		1.58
Bromochloromethane	ND		0.789
Chloroform	ND		0.789
1,1,1-Trichloroethane	ND		0.789
Carbon Tetrachloride	ND		0.789
1,2-Dichloroethane(EDC)	ND		0.789
Benzene	ND		0.789
Trichloroethene	ND		0.789
1,2-Dichloropropane	ND		0.789
Bromodichloromethane	ND		0.789
cis-1,3-Dichloropropene	ND		0.789
4-Methyl-2-pentanone(MIBK)	ND		1.58

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2666.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Toluene	ND		0.789
trans-1,3-Dichloropropene	ND		0.789
1,1,2-Trichloroethane	ND		0.789
Tetrachloroethene	ND		0.789
2-Hexanone	ND		1.58
Dibromochloromethane	ND		0.789
1,2-Dibromoethane(EDB)	ND		0.789
Chlorobenzene	ND		0.789
Ethylbenzene	ND		0.789
Total Xylenes	ND		0.789
Styrene	ND		0.789
Bromoform	ND		0.789
Isopropylbenzene	ND		0.789
1,1,2,2-Tetrachloroethane	ND		0.789
1,3-Dichlorobenzene	ND		0.789
1,4-Dichlorobenzene	ND		0.789
1,2-Dichlorobenzene	ND		0.789
1,2-Dibromo-3-chloropropane	ND		0.789
1,2,4-Trichlorobenzene	ND		0.789
1,2,3-Trichlorobenzene	ND		0.789
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.789
Methyl Acetate	ND		0.789
Cyclohexane	ND		0.789
Methylcyclohexane	ND		0.789

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2666.D

GC/MS Column: DB-624
Sample wt/vol: 0.038g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2667.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.735
Chloromethane	ND		0.735
Vinyl Chloride	ND		0.735
Bromomethane	ND		0.735
Chloroethane	ND		0.735
Trichlorofluoromethane	ND		0.735
1,1-Dichloroethene	ND		0.735
Acetone	ND		1.47
Carbon Disulfide	ND		0.735
Methylene Chloride	ND		0.735
trans-1,2-Dichloroethene	ND		0.735
Methyl-t-Butyl Ether(MTBE)	ND		0.735
1,1-Dichloroethane	ND		0.735
cis-1,2-Dichloroethene	ND		0.735
2-Butanone(MEK)	ND		1.47
Bromochloromethane	ND		0.735
Chloroform	ND		0.735
1,1,1-Trichloroethane	ND		0.735
Carbon Tetrachloride	ND		0.735
1,2-Dichloroethane(EDC)	ND		0.735
Benzene	ND		0.735
Trichloroethene	ND		0.735
1,2-Dichloropropane	ND		0.735
Bromodichloromethane	ND		0.735
cis-1,3-Dichloropropene	ND		0.735
4-Methyl-2-pentanone(MIBK)	ND		1.47

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2667.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

Compound	Concentration	Q	MDL
Toluene	ND		0.735
trans-1,3-Dichloropropene	ND		0.735
1,1,2-Trichloroethane	ND		0.735
Tetrachloroethene	ND		0.735
2-Hexanone	ND		1.47
Dibromochloromethane	ND		0.735
1,2-Dibromoethane(EDB)	ND		0.735
Chlorobenzene	ND		0.735
Ethylbenzene	ND		0.735
Total Xylenes	ND		0.735
Styrene	ND		0.735
Bromoform	ND		0.735
Isopropylbenzene	ND		0.735
1,1,2,2-Tetrachloroethane	ND		0.735
1,3-Dichlorobenzene	ND		0.735
1,4-Dichlorobenzene	ND		0.735
1,2-Dichlorobenzene	ND		0.735
1,2-Dibromo-3-chloropropane	ND		0.735
1,2,4-Trichlorobenzene	ND		0.735
1,2,3-Trichlorobenzene	ND		0.735
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.735
Methyl Acetate	ND		0.735
Cyclohexane	ND		0.735
Methylcyclohexane	ND		0.735

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2667.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2668.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.720
Chloromethane	ND		0.720
Vinyl Chloride	ND		0.720
Bromomethane	ND		0.720
Chloroethane	ND		0.720
Trichlorofluoromethane	ND		0.720
1,1-Dichloroethene	ND		0.720
Acetone	ND		1.44
Carbon Disulfide	ND		0.720
Methylene Chloride	ND		0.720
trans-1,2-Dichloroethene	ND		0.720
Methyl-t-Butyl Ether(MTBE)	ND		0.720
1,1-Dichloroethane	ND		0.720
cis-1,2-Dichloroethene	ND		0.720
2-Butanone(MEK)	ND		1.44
Bromochloromethane	ND		0.720
Chloroform	ND		0.720
1,1,1-Trichloroethane	ND		0.720
Carbon Tetrachloride	ND		0.720
1,2-Dichloroethane(EDC)	ND		0.720
Benzene	ND		0.720
Trichloroethene	ND		0.720
1,2-Dichloropropane	ND		0.720
Bromodichloromethane	ND		0.720
cis-1,3-Dichloropropene	ND		0.720
4-Methyl-2-pentanone(MIBK)	ND		1.44

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2668.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Toluene	ND		0.720
trans-1,3-Dichloropropene	ND		0.720
1,1,2-Trichloroethane	ND		0.720
Tetrachloroethene	ND		0.720
2-Hexanone	ND		1.44
Dibromochloromethane	ND		0.720
1,2-Dibromoethane(EDB)	ND		0.720
Chlorobenzene	ND		0.720
Ethylbenzene	ND		0.720
Total Xylenes	ND		0.720
Styrene	ND		0.720
Bromoform	ND		0.720
Isopropylbenzene	ND		0.720
1,1,2,2-Tetrachloroethane	ND		0.720
1,3-Dichlorobenzene	ND		0.720
1,4-Dichlorobenzene	ND		0.720
1,2-Dichlorobenzene	ND		0.720
1,2-Dibromo-3-chloropropane	ND		0.720
1,2,4-Trichlorobenzene	ND		0.720
1,2,3-Trichlorobenzene	ND		0.720
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.720
Methyl Acetate	ND		0.720
Cyclohexane	ND		0.720
Methylcyclohexane	ND		0.720

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0.5
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2668.D

GC/MS Column: DB-624
Sample wt/vol: 0.042g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-11
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2669.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.710
Chloromethane	ND		0.710
Vinyl Chloride	ND		0.710
Bromomethane	ND		0.710
Chloroethane	ND		0.710
Trichlorofluoromethane	ND		0.710
1,1-Dichloroethene	ND		0.710
Acetone	ND		1.42
Carbon Disulfide	ND		0.710
Methylene Chloride	ND		0.710
trans-1,2-Dichloroethene	ND		0.710
Methyl-t-Butyl Ether(MTBE)	ND		0.710
1,1-Dichloroethane	ND		0.710
cis-1,2-Dichloroethene	ND		0.710
2-Butanone(MEK)	ND		1.42
Bromochloromethane	ND		0.710
Chloroform	ND		0.710
1,1,1-Trichloroethane	ND		0.710
Carbon Tetrachloride	ND		0.710
1,2-Dichloroethane(EDC)	ND		0.710
Benzene	ND		0.710
Trichloroethene	ND		0.710
1,2-Dichloropropane	ND		0.710
Bromodichloromethane	ND		0.710
cis-1,3-Dichloropropene	ND		0.710
4-Methyl-2-pentanone(MIBK)	ND		1.42

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-11
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2669.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20

Compound	Concentration	Q	MDL
Toluene	ND		0.710
trans-1,3-Dichloropropene	ND		0.710
1,1,2-Trichloroethane	ND		0.710
Tetrachloroethene	ND		0.710
2-Hexanone	ND		1.42
Dibromochloromethane	ND		0.710
1,2-Dibromoethane(EDB)	ND		0.710
Chlorobenzene	ND		0.710
Ethylbenzene	ND		0.710
Total Xylenes	ND		0.710
Styrene	ND		0.710
Bromoform	ND		0.710
Isopropylbenzene	ND		0.710
1,1,2,2-Tetrachloroethane	ND		0.710
1,3-Dichlorobenzene	ND		0.710
1,4-Dichlorobenzene	ND		0.710
1,2-Dichlorobenzene	ND		0.710
1,2-Dibromo-3-chloropropane	ND		0.710
1,2,4-Trichlorobenzene	ND		0.710
1,2,3-Trichlorobenzene	ND		0.710
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.710
Methyl Acetate	ND		0.710
Cyclohexane	ND		0.710
Methylcyclohexane	ND		0.710

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-11
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2669.D

GC/MS Column: DB-624
Sample wt/vol: 0.044g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/15.5-16
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Data file: F2605.D

GC/MS Column: DB-624
Sample wt/vol: 0.047g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.643
Chloromethane	ND		0.643
Vinyl Chloride	ND		0.643
Bromomethane	ND		0.643
Chloroethane	ND		0.643
Trichlorofluoromethane	ND		0.643
1,1-Dichloroethene	ND		0.643
Acetone	ND		1.29
Carbon Disulfide	ND		0.643
Methylene Chloride	ND		0.643
trans-1,2-Dichloroethene	ND		0.643
Methyl-t-Butyl Ether(MTBE)	ND		0.643
1,1-Dichloroethane	ND		0.643
cis-1,2-Dichloroethene	ND		0.643
2-Butanone(MEK)	ND		1.29
Bromochloromethane	ND		0.643
Chloroform	ND		0.643
1,1,1-Trichloroethane	ND		0.643
Carbon Tetrachloride	ND		0.643
1,2-Dichloroethane(EDC)	ND		0.643
Benzene	ND		0.643
Trichloroethene	ND		0.643
1,2-Dichloropropane	ND		0.643
Bromodichloromethane	ND		0.643
cis-1,3-Dichloropropene	ND		0.643
4-Methyl-2-pentanone(MIBK)	ND		1.29

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/15.5-16
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Data file: F2605.D

GC/MS Column: DB-624
Sample wt/vol: 0.047g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Toluene	ND		0.643
trans-1,3-Dichloropropene	ND		0.643
1,1,2-Trichloroethane	ND		0.643
Tetrachloroethene	ND		0.643
2-Hexanone	ND		1.29
Dibromochloromethane	ND		0.643
1,2-Dibromoethane(EDB)	ND		0.643
Chlorobenzene	ND		0.643
Ethylbenzene	0.129	J	0.643
Total Xylenes	ND		0.643
Styrene	ND		0.643
Bromoform	ND		0.643
Isopropylbenzene	ND		0.643
1,1,2,2-Tetrachloroethane	ND		0.643
1,3-Dichlorobenzene	ND		0.643
1,4-Dichlorobenzene	ND		0.643
1,2-Dichlorobenzene	ND		0.643
1,2-Dibromo-3-chloropropane	ND		0.643
1,2,4-Trichlorobenzene	ND		0.643
1,2,3-Trichlorobenzene	ND		0.643
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.643
Methyl Acetate	ND		0.643
Cyclohexane	ND		0.643
Methylcyclohexane	ND		0.643
Total Target Compounds:	0.129	J	

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/15.5-16
Date Received: 02/25/2003
Date Analyzed: 02/27/2003
Date File: F2605.D

GC/MS Column: DB-624
Sample wt/vol: 0.047g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown cyclic hydrocarbon	1.35	18.94
	Substituted benzene	1.13	21.19
	Substituted benzene	0.888	21.30
	Substituted benzene	0.772	22.08
	Unknown alkane	1.23	22.34
	Unknown alkane	1.04	25.47
	Unknown aromatic	1.92	25.88

Total TICs = 8.33

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/37.5-38
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2670.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.741
Chloromethane	ND		0.741
Vinyl Chloride	ND		0.741
Bromomethane	ND		0.741
Chloroethane	ND		0.741
Trichlorofluoromethane	ND		0.741
1,1-Dichloroethene	ND		0.741
Acetone	ND		1.48
Carbon Disulfide	ND		0.741
Methylene Chloride	ND		0.741
trans-1,2-Dichloroethene	ND		0.741
Methyl-t-Butyl Ether(MTBE)	ND		0.741
1,1-Dichloroethane	ND		0.741
cis-1,2-Dichloroethene	ND		0.741
2-Butanone(MEK)	ND		1.48
Bromochloromethane	ND		0.741
Chloroform	ND		0.741
1,1,1-Trichloroethane	ND		0.741
Carbon Tetrachloride	ND		0.741
1,2-Dichloroethane(EDC)	ND		0.741
Benzene	ND		0.741
Trichloroethene	ND		0.741
1,2-Dichloropropane	ND		0.741
Bromodichloromethane	ND		0.741
cis-1,3-Dichloropropene	ND		0.741
4-Methyl-2-pentanone(MIBK)	ND		1.48

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/37.5-38
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2670.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
Toluene	ND		0.741
trans-1,3-Dichloropropene	ND		0.741
1,1,2-Trichloroethane	ND		0.741
Tetrachloroethene	ND		0.741
2-Hexanone	ND		1.48
Dibromochloromethane	ND		0.741
1,2-Dibromoethane(EDB)	ND		0.741
Chlorobenzene	ND		0.741
Ethylbenzene	ND		0.741
Total Xylenes	ND		0.741
Styrene	ND		0.741
Bromoform	ND		0.741
Isopropylbenzene	ND		0.741
1,1,2,2-Tetrachloroethane	ND		0.741
1,3-Dichlorobenzene	ND		0.741
1,4-Dichlorobenzene	ND		0.741
1,2-Dichlorobenzene	ND		0.741
1,2-Dibromo-3-chloropropane	ND		0.741
1,2,4-Trichlorobenzene	ND		0.741
1,2,3-Trichlorobenzene	ND		0.741
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.741
Methyl Acetate	ND		0.741
Cyclohexane	ND		0.741
Methylcyclohexane	ND		0.741

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/37.5-38
Date Received: 02/25/2003
Date Analyzed: 02/26/2003
Data file: I2670.D

GC/MS Column: DB-624
Sample wt/vol: 0.040g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8368.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.00018
Phenol	ND		0.00015
bis(2-Chloroethyl)ether	ND		0.00024
2-Chlorophenol	ND		0.00012
2-Methylphenol	ND		0.00018
bis(2-chloroisopropyl)ether	ND		0.0002
4-Methylphenol	ND		0.0003
N-Nitroso-di-n-propylamine	ND		0.0002
Acetophenone	ND		0.00023
Hexachloroethane	ND		0.00019
Nitrobenzene	ND		0.00025
Isophorone	ND		0.00012
2-Nitrophenol	ND		0.00046
2,4-Dimethylphenol	ND		0.00022
bis(2-Chloroethoxy)methane	ND		0.00012
2,4-Dichlorophenol	ND		0.00021
Naphthalene	ND		0.00011
4-Chloroaniline	ND		0.00014
Hexachlorobutadiene	ND		0.00024
Caprolactam	ND		0.00038
4-Chloro-3-methylphenol	ND		0.00023
2-Methylnaphthalene	ND		0.00014
Hexachlorocyclopentadiene	ND		0.00033
2,4,6-Trichlorophenol	ND		0.00027
2,4,5-Trichlorophenol	ND		0.0003
1-1'-Biphenyl	ND		0.00012
2-Chloronaphthalene	ND		0.00012
2-Nitroaniline	ND		0.0005
Dimethylphthalate	ND		0.00019

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8368.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.00048
Acenaphthylene	ND		0.00018
3-Nitroaniline	ND		0.00032
Acenaphthene	ND		0.00017
2,4-Dinitrophenol	ND		0.00047
4-Nitrophenol	ND		0.00046
2,4-Dinitrotoluene	ND		0.00045
Dibenzofuran	ND		0.00012
Diethylphthalate	ND		0.00018
Fluorene	ND		0.00018
4-Chlorophenyl-phenylether	ND		0.00023
4-Nitroaniline	ND		0.00038
1,2,4,5-Tetrachlorobenzene	ND		0.00023
4,6-Dinitro-2-methylphenol	ND		0.00078
N-Nitrosodiphenylamine	ND		0.00015
4-Bromophenyl-phenylether	ND		0.00026
Hexachlorobenzene	ND		0.00019
Atrazine	ND		0.00028
Pentachlorophenol	ND		0.00049
Phenanthrene	ND		0.00011
Anthracene	ND		0.00014
Carbazole	ND		0.00017
Di-n-butylphthalate	ND		0.00016
Fluoranthene	ND		0.00019
Pyrene	ND		0.00014
Butylbenzylphthalate	ND		0.00031
3,3'-Dichlorobenzidine	ND		0.00043
Benzo[a]anthracene	ND		0.00015
Chrysene	ND		0.00014
bis(2-Ethylhexyl)phthalate	ND		0.00037
Di-n-octylphthalate	ND		0.00057
Benzo[b]fluoranthene	ND		0.00034
Benzo[k]fluoranthene	ND		0.00063
Benzo[a]pyrene	ND		0.0002
Indeno[1,2,3-cd]pyrene	ND		0.00051
Dibenz[a,h]anthracene	ND		0.00049
Benzo[g,h,i]perylene	ND		0.00031

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8368.D

GC/MS Column: DB-5
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8388.D

GC/MS Column: DB-5
Sample wt/vol: 10.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.110
Phenol	ND		0.110
bis(2-Chloroethyl)ether	ND		0.110
2-Chlorophenol	ND		0.110
2-Methylphenol	ND		0.110
bis(2-chloroisopropyl)ether	ND		0.110
4-Methylphenol	ND		0.110
N-Nitroso-di-n-propylamine	ND		0.110
Acetophenone	ND		0.110
Hexachloroethane	ND		0.110
Nitrobenzene	ND		0.110
Isophorone	ND		0.110
2-Nitrophenol	ND		0.110
2,4-Dimethylphenol	ND		0.110
bis(2-Chloroethoxy)methane	ND		0.110
2,4-Dichlorophenol	ND		0.110
Naphthalene	0.135		0.110
4-Chloroaniline	ND		0.110
Hexachlorobutadiene	ND		0.110
Caprolactam	ND		0.110
4-Chloro-3-methylphenol	ND		0.110
2-Methylnaphthalene	ND		0.110
Hexachlorocyclopentadiene	ND		0.110
2,4,6-Trichlorophenol	ND		0.110
2,4,5-Trichlorophenol	ND		0.110
1-1'-Biphenyl	ND		0.110
2-Chloronaphthalene	ND		0.110
2-Nitroaniline	ND		0.110
Dimethylphthalate	ND		0.110

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8388.D

GC/MS Column: DB-5
Sample wt/vol: 10.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.110
Acenaphthylene	ND		0.110
3-Nitroaniline	ND		0.110
Acenaphthene	0.102	J	0.110
2,4-Dinitrophenol	ND		0.110
4-Nitrophenol	ND		0.110
2,4-Dinitrotoluene	ND		0.110
Dibenzofuran	ND		0.110
Diethylphthalate	ND		0.110
Fluorene	0.103	J	0.110
4-Chlorophenyl-phenylether	ND		0.110
4-Nitroaniline	ND		0.110
1,2,4,5-Tetrachlorobenzene	ND		0.110
4,6-Dinitro-2-methylphenol	ND		0.110
N-Nitrosodiphenylamine	ND		0.110
4-Bromophenyl-phenylether	ND		0.110
Hexachlorobenzene	ND		0.110
Atrazine	ND		0.110
Pentachlorophenol	ND		0.110
Phenanthrene	0.882		0.110
Anthracene	0.250		0.110
Carbazole	0.084	J	0.110
Di-n-butylphthalate	ND		0.110
Fluoranthene	1.38		0.110
Pyrene	1.38		0.110
Butylbenzylphthalate	ND		0.110
3,3'-Dichlorobenzidine	ND		0.110
Benzo[a]anthracene	0.823		0.110
Chrysene	0.876		0.110
bis(2-Ethylhexyl)phthalate	0.117		0.110
Di-n-octylphthalate	ND		0.110
Benzo[b]fluoranthene	0.561		0.110
Benzo[k]fluoranthene	0.554		0.110
Benzo[a]pyrene	0.615		0.110
Indeno[1,2,3-cd]pyrene	0.484		0.110
Dibenz[a,h]anthracene	0.215		0.110
Benzo[g,h,i]perylene	0.516		0.110
Total Target Compounds:	9.08	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Date File: B8388.D

GC/MS Column: DB-5
Sample wt/vol: 10.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

CAS #	Compound	Estimated Concentration	Retention Time
000198-55-0	Perylene	0.461	7.29

Total TICs = 0.461

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: B8419.D

GC/MS Column: DB-5
Sample wt/vol: 1.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.4

Compound	Concentration	Q	MDL
Benzaldehyde	ND		6.72
Phenol	ND		6.72
bis(2-Chloroethyl)ether	ND		6.72
2-Chlorophenol	ND		6.72
2-Methylphenol	ND		6.72
bis(2-chloroisopropyl)ether	ND		6.72
4-Methylphenol	ND		6.72
N-Nitroso-di-n-propylamine	ND		6.72
Acetophenone	ND		6.72
Hexachloroethane	ND		6.72
Nitrobenzene	ND		6.72
Isophorone	ND		6.72
2-Nitrophenol	ND		6.72
2,4-Dimethylphenol	ND		6.72
bis(2-Chloroethoxy)methane	ND		6.72
2,4-Dichlorophenol	ND		6.72
Naphthalene	979		6.72
4-Chloroaniline	ND		6.72
Hexachlorobutadiene	ND		6.72
Caprolactam	ND		6.72
4-Chloro-3-methylphenol	ND		6.72
2-Methylnaphthalene	334		6.72
Hexachlorocyclopentadiene	ND		6.72
2,4,6-Trichlorophenol	ND		6.72
2,4,5-Trichlorophenol	ND		6.72
1-1'-Biphenyl	46.8		6.72
2-Chloronaphthalene	ND		6.72
2-Nitroaniline	ND		6.72
Dimethylphthalate	ND		6.72

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: B8419.D

GC/MS Column: DB-5
Sample wt/vol: 1.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.4

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		6.72
Acenaphthylene	77.7		6.72
3-Nitroaniline	ND		6.72
Acenaphthene	86.9		6.72
2,4-Dinitrophenol	ND		6.72
4-Nitrophenol	ND		6.72
2,4-Dinitrotoluene	ND		6.72
Dibenzofuran	81.3		6.72
Diethylphthalate	ND		6.72
Fluorene	172		6.72
4-Chlorophenyl-phenylether	ND		6.72
4-Nitroaniline	ND		6.72
1,2,4,5-Tetrachlorobenzene	ND		6.72
4,6-Dinitro-2-methylphenol	ND		6.72
N-Nitrosodiphenylamine	ND		6.72
4-Bromophenyl-phenylether	ND		6.72
Hexachlorobenzene	ND		6.72
Atrazine	ND		6.72
Pentachlorophenol	ND		6.72
Phenanthrene	457		6.72
Anthracene	80.9		6.72
Carbazole	29.9		6.72
Di-n-butylphthalate	ND		6.72
Fluoranthene	128		6.72
Pyrene	119		6.72
Butylbenzylphthalate	ND		6.72
3,3'-Dichlorobenzidine	ND		6.72
Benzo[a]anthracene	36.6		6.72
Chrysene	33.8		6.72
bis(2-Ethylhexyl)phthalate	ND		6.72
Di-n-octylphthalate	ND		6.72
Benzo[b]fluoranthene	8.56		6.72
Benzo[k]fluoranthene	15.4		6.72
Benzo[a]pyrene	17.7		6.72
Indeno[1,2,3-cd]pyrene	6.23	J	6.72
Dibenz[a,h]anthracene	ND		6.72
Benzo[g,h,i]perylene	6.32	J	6.72
Total Target Compounds:	2720	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-8.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Date File: B8419.D

GC/MS Column: DB-5
Sample wt/vol: 1.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.4

CAS #	Compound	Estimated Concentration	Retention Time
	Substituted benzene	46.3	2.49
	Substituted naphthalene	59.1	3.48
	Substituted naphthalene	105	3.51
	Unknown aromatic	32.9	4.58
	Unknown aromatic	33.6	4.60
	Unknown aromatic	78.6	4.66

Total TICs = 355.5

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8390.D

GC/MS Column: DB-5
Sample wt/vol: 10.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.117
Phenol	ND		0.117
bis(2-Chloroethyl)ether	ND		0.117
2-Chlorophenol	ND		0.117
2-Methylphenol	ND		0.117
bis(2-chloroisopropyl)ether	ND		0.117
4-Methylphenol	ND		0.117
N-Nitroso-di-n-propylamine	ND		0.117
Acetophenone	ND		0.117
Hexachloroethane	ND		0.117
Nitrobenzene	ND		0.117
Isophorone	ND		0.117
2-Nitrophenol	ND		0.117
2,4-Dimethylphenol	ND		0.117
bis(2-Chloroethoxy)methane	ND		0.117
2,4-Dichlorophenol	ND		0.117
Naphthalene	1.43		0.117
4-Chloroaniline	ND		0.117
Hexachlorobutadiene	ND		0.117
Caprolactam	ND		0.117
4-Chloro-3-methylphenol	ND		0.117
2-Methylnaphthalene	1.03		0.117
Hexachlorocyclopentadiene	ND		0.117
2,4,6-Trichlorophenol	ND		0.117
2,4,5-Trichlorophenol	ND		0.117
1-1'-Biphenyl	0.264		0.117
2-Chloronaphthalene	ND		0.117
2-Nitroaniline	ND		0.117
Dimethylphthalate	ND		0.117

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8390.D

GC/MS Column: DB-5
Sample wt/vol: 10.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.117
Acenaphthylene	0.172		0.117
3-Nitroaniline	ND		0.117
Acenaphthene	0.411		0.117
2,4-Dinitrophenol	ND		0.117
4-Nitrophenol	ND		0.117
2,4-Dinitrotoluene	ND		0.117
Dibenzofuran	0.377		0.117
Diethylphthalate	ND		0.117
Fluorene	0.689		0.117
4-Chlorophenyl-phenylether	ND		0.117
4-Nitroaniline	ND		0.117
1,2,4,5-Tetrachlorobenzene	ND		0.117
4,6-Dinitro-2-methylphenol	ND		0.117
N-Nitrosodiphenylamine	ND		0.117
4-Bromophenyl-phenylether	ND		0.117
Hexachlorobenzene	ND		0.117
Atrazine	ND		0.117
Pentachlorophenol	ND		0.117
Phenanthrene	2.12		0.117
Anthracene	0.517		0.117
Carbazole	0.101	J	0.117
Di-n-butylphthalate	ND		0.117
Fluoranthene	0.796		0.117
Pyrene	0.771		0.117
Butylbenzylphthalate	ND		0.117
3,3'-Dichlorobenzidine	ND		0.117
Benzo[a]anthracene	0.285		0.117
Chrysene	0.246		0.117
bis(2-Ethylhexyl)phthalate	ND		0.117
Di-n-octylphthalate	ND		0.117
Benzo[b]fluoranthene	0.080	J	0.117
Benzo[k]fluoranthene	0.109	J	0.117
Benzo[a]pyrene	0.127		0.117
Indeno[1,2,3-cd]pyrene	ND		0.117
Dibenz[a,h]anthracene	ND		0.117
Benzo[g,h,i]perylene	ND		0.117
Total Target Compounds:	9.53	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Date File: B8390.D

GC/MS Column: DB-5
Sample wt/vol: 10.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

CAS #	Compound	Estimated Concentration	Retention Time
	Substituted naphthalene	0.562	3.53

Total TICs = 0.562

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8391.D

GC/MS Column: DB-5
Sample wt/vol: 10.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.118
Phenol	ND		0.118
bis(2-Chloroethyl)ether	ND		0.118
2-Chlorophenol	ND		0.118
2-Methylphenol	ND		0.118
bis(2-chloroisopropyl)ether	ND		0.118
4-Methylphenol	ND		0.118
N-Nitroso-di-n-propylamine	ND		0.118
Acetophenone	ND		0.118
Hexachloroethane	ND		0.118
Nitrobenzene	ND		0.118
Isophorone	ND		0.118
2-Nitrophenol	ND		0.118
2,4-Dimethylphenol	ND		0.118
bis(2-Chloroethoxy)methane	ND		0.118
2,4-Dichlorophenol	ND		0.118
Naphthalene	0.944		0.118
4-Chloroaniline	ND		0.118
Hexachlorobutadiene	ND		0.118
Caprolactam	ND		0.118
4-Chloro-3-methylphenol	ND		0.118
2-Methylnaphthalene	0.637		0.118
Hexachlorocyclopentadiene	ND		0.118
2,4,6-Trichlorophenol	ND		0.118
2,4,5-Trichlorophenol	ND		0.118
1-1'-Biphenyl	0.145		0.118
2-Chloronaphthalene	ND		0.118
2-Nitroaniline	ND		0.118
Dimethylphthalate	ND		0.118

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8391.D

GC/MS Column: DB-5
Sample wt/vol: 10.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.118
Acenaphthylene	0.105	J	0.118
3-Nitroaniline	ND		0.118
Acenaphthene	0.663		0.118
2,4-Dinitrophenol	ND		0.118
4-Nitrophenol	ND		0.118
2,4-Dinitrotoluene	ND		0.118
Dibenzofuran	0.418		0.118
Diethylphthalate	ND		0.118
Fluorene	0.743		0.118
4-Chlorophenyl-phenylether	ND		0.118
4-Nitroaniline	ND		0.118
1,2,4,5-Tetrachlorobenzene	ND		0.118
4,6-Dinitro-2-methylphenol	ND		0.118
N-Nitrosodiphenylamine	ND		0.118
4-Bromophenyl-phenylether	ND		0.118
Hexachlorobenzene	ND		0.118
Atrazine	ND		0.118
Pentachlorophenol	ND		0.118
Phenanthrene	4.13		0.118
Anthracene	0.898		0.118
Carbazole	0.379		0.118
Di-n-butylphthalate	0.208		0.118
Fluoranthene	3.84		0.118
Pyrene	4.02		0.118
Butylbenzylphthalate	0.954		0.118
3,3'-Dichlorobenzidine	ND		0.118
Benzo[a]anthracene	2.21		0.118
Chrysene	2.37		0.118
bis(2-Ethylhexyl)phthalate	0.912		0.118
Di-n-octylphthalate	ND		0.118
Benzo[b]fluoranthene	1.78		0.118
Benzo[k]fluoranthene	1.21		0.118
Benzo[a]pyrene	1.71		0.118
Indeno[1,2,3-cd]pyrene	1.28		0.118
Dibenz[a,h]anthracene	0.507		0.118
Benzo[g,h,i]perylene	1.56		0.118
Total Target Compounds:	31.6	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Date File: B8391.D

GC/MS Column: DB-5
Sample wt/vol: 10.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	0.694	4.67
	Unknown aromatic	0.553	5.37
	Unknown	0.471	6.54
	Unknown aromatic	1.15	7.29

Total TICs = 2.868

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8392.D

GC/MS Column: DB-5
Sample wt/vol: 10.95g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.107
Phenol	ND		0.107
bis(2-Chloroethyl)ether	ND		0.107
2-Chlorophenol	ND		0.107
2-Methylphenol	ND		0.107
bis(2-chloroisopropyl)ether	ND		0.107
4-Methylphenol	ND		0.107
N-Nitroso-di-n-propylamine	ND		0.107
Acetophenone	ND		0.107
Hexachloroethane	ND		0.107
Nitrobenzene	ND		0.107
Isophorone	ND		0.107
2-Nitrophenol	ND		0.107
2,4-Dimethylphenol	ND		0.107
bis(2-Chloroethoxy)methane	ND		0.107
2,4-Dichlorophenol	ND		0.107
Naphthalene	ND		0.107
4-Chloroaniline	ND		0.107
Hexachlorobutadiene	ND		0.107
Caprolactam	ND		0.107
4-Chloro-3-methylphenol	ND		0.107
2-Methylnaphthalene	ND		0.107
Hexachlorocyclopentadiene	ND		0.107
2,4,6-Trichlorophenol	ND		0.107
2,4,5-Trichlorophenol	ND		0.107
1-1'-Biphenyl	ND		0.107
2-Chloronaphthalene	ND		0.107
2-Nitroaniline	ND		0.107
Dimethylphthalate	ND		0.107

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8392.D

GC/MS Column: DB-5
Sample wt/vol: 10.95g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.107
Acenaphthylene	ND		0.107
3-Nitroaniline	ND		0.107
Acenaphthene	ND		0.107
2,4-Dinitrophenol	ND		0.107
4-Nitrophenol	ND		0.107
2,4-Dinitrotoluene	ND		0.107
Dibenzofuran	ND		0.107
Diethylphthalate	ND		0.107
Fluorene	ND		0.107
4-Chlorophenyl-phenylether	ND		0.107
4-Nitroaniline	ND		0.107
1,2,4,5-Tetrachlorobenzene	ND		0.107
4,6-Dinitro-2-methylphenol	ND		0.107
N-Nitrosodiphenylamine	ND		0.107
4-Bromophenyl-phenylether	ND		0.107
Hexachlorobenzene	ND		0.107
Atrazine	ND		0.107
Pentachlorophenol	ND		0.107
Phenanthrene	0.267		0.107
Anthracene	0.080	J	0.107
Carbazole	ND		0.107
Di-n-butylphthalate	ND		0.107
Fluoranthene	0.305		0.107
Pyrene	0.287		0.107
Butylbenzylphthalate	ND		0.107
3,3'-Dichlorobenzidine	ND		0.107
Benzo[a]anthracene	0.180		0.107
Chrysene	0.152		0.107
bis(2-Ethylhexyl)phthalate	0.378		0.107
Di-n-octylphthalate	ND		0.107
Benzo[b]fluoranthene	0.091	J	0.107
Benzo[k]fluoranthene	0.110		0.107
Benzo[a]pyrene	0.128		0.107
Indeno[1,2,3-cd]pyrene	0.070	J	0.107
Dibenz[a,h]anthracene	ND		0.107
Benzo[g,h,i]perylene	0.077	J	0.107
Total Target Compounds:	2.13	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8392.D

GC/MS Column: DB-5
Sample wt/vol: 10.95g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8393.D

GC/MS Column: DB-5
Sample wt/vol: 10.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.116
Phenol	ND		0.116
bis(2-Chloroethyl)ether	ND		0.116
2-Chlorophenol	ND		0.116
2-Methylphenol	ND		0.116
bis(2-chloroisopropyl)ether	ND		0.116
4-Methylphenol	ND		0.116
N-Nitroso-di-n-propylamine	ND		0.116
Acetophenone	ND		0.116
Hexachloroethane	ND		0.116
Nitrobenzene	ND		0.116
Isophorone	ND		0.116
2-Nitrophenol	ND		0.116
2,4-Dimethylphenol	ND		0.116
bis(2-Chloroethoxy)methane	ND		0.116
2,4-Dichlorophenol	ND		0.116
Naphthalene	ND		0.116
4-Chloroaniline	ND		0.116
Hexachlorobutadiene	ND		0.116
Caprolactam	ND		0.116
4-Chloro-3-methylphenol	ND		0.116
2-Methylnaphthalene	ND		0.116
Hexachlorocyclopentadiene	ND		0.116
2,4,6-Trichlorophenol	ND		0.116
2,4,5-Trichlorophenol	ND		0.116
1-1'-Biphenyl	ND		0.116
2-Chloronaphthalene	ND		0.116
2-Nitroaniline	ND		0.116
Dimethylphthalate	ND		0.116

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8393.D

GC/MS Column: DB-5
Sample wt/vol: 10.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.116
Acenaphthylene	ND		0.116
3-Nitroaniline	ND		0.116
Acenaphthene	ND		0.116
2,4-Dinitrophenol	ND		0.116
4-Nitrophenol	ND		0.116
2,4-Dinitrotoluene	ND		0.116
Dibenzofuran	ND		0.116
Diethylphthalate	ND		0.116
Fluorene	ND		0.116
4-Chlorophenyl-phenylether	ND		0.116
4-Nitroaniline	ND		0.116
1,2,4,5-Tetrachlorobenzene	ND		0.116
4,6-Dinitro-2-methylphenol	ND		0.116
N-Nitrosodiphenylamine	ND		0.116
4-Bromophenyl-phenylether	ND		0.116
Hexachlorobenzene	ND		0.116
Atrazine	ND		0.116
Pentachlorophenol	ND		0.116
Phenanthrene	0.230		0.116
Anthracene	ND		0.116
Carbazole	ND		0.116
Di-n-butylphthalate	ND		0.116
Fluoranthene	0.178		0.116
Pyrene	0.183		0.116
Butylbenzylphthalate	ND		0.116
3,3'-Dichlorobenzidine	ND		0.116
Benzo[a]anthracene	0.107	J	0.116
Chrysene	0.102	J	0.116
bis(2-Ethylhexyl)phthalate	0.083	J	0.116
Di-n-octylphthalate	ND		0.116
Benzo[b]fluoranthene	ND		0.116
Benzo[k]fluoranthene	0.071	J	0.116
Benzo[a]pyrene	0.083	J	0.116
Indeno[1,2,3-cd]pyrene	ND		0.116
Dibenz[a,h]anthracene	ND		0.116
Benzo[g,h,i]perylene	ND		0.116
Total Target Compounds:	1.04	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-0
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8393.D

GC/MS Column: DB-5
Sample wt/vol: 10.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-1
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8402.D

GC/MS Column: DB-5
Sample wt/vol: 10.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.0

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.123
Phenol	ND		0.123
bis(2-Chloroethyl)ether	ND		0.123
2-Chlorophenol	ND		0.123
2-Methylphenol	ND		0.123
bis(2-chloroisopropyl)ether	ND		0.123
4-Methylphenol	ND		0.123
N-Nitroso-di-n-propylamine	ND		0.123
Acetophenone	ND		0.123
Hexachloroethane	ND		0.123
Nitrobenzene	ND		0.123
Isophorone	ND		0.123
2-Nitrophenol	ND		0.123
2,4-Dimethylphenol	ND		0.123
bis(2-Chloroethoxy)methane	ND		0.123
2,4-Dichlorophenol	ND		0.123
Naphthalene	0.205		0.123
4-Chloroaniline	ND		0.123
Hexachlorobutadiene	ND		0.123
Caprolactam	ND		0.123
4-Chloro-3-methylphenol	ND		0.123
2-Methylnaphthalene	0.083	J	0.123
Hexachlorocyclopentadiene	ND		0.123
2,4,6-Trichlorophenol	ND		0.123
2,4,5-Trichlorophenol	ND		0.123
1-1'-Biphenyl	ND		0.123
2-Chloronaphthalene	ND		0.123
2-Nitroaniline	ND		0.123
Dimethylphthalate	ND		0.123

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-1
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8402.D

GC/MS Column: DB-5
Sample wt/vol: 10.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.123
Acenaphthylene	ND		0.123
3-Nitroaniline	ND		0.123
Acenaphthene	0.358		0.123
2,4-Dinitrophenol	ND		0.123
4-Nitrophenol	ND		0.123
2,4-Dinitrotoluene	ND		0.123
Dibenzofuran	0.112	J	0.123
Diethylphthalate	ND		0.123
Fluorene	0.207		0.123
4-Chlorophenyl-phenylether	ND		0.123
4-Nitroaniline	ND		0.123
1,2,4,5-Tetrachlorobenzene	ND		0.123
4,6-Dinitro-2-methylphenol	ND		0.123
N-Nitrosodiphenylamine	ND		0.123
4-Bromophenyl-phenylether	ND		0.123
Hexachlorobenzene	ND		0.123
Atrazine	ND		0.123
Pentachlorophenol	ND		0.123
Phenanthrene	1.22		0.123
Anthracene	0.348		0.123
Carbazole	0.230		0.123
Di-n-butylphthalate	ND		0.123
Fluoranthene	1.53		0.123
Pyrene	1.16		0.123
Butylbenzylphthalate	ND		0.123
3,3'-Dichlorobenzidine	ND		0.123
Benzo[a]anthracene	0.939		0.123
Chrysene	0.986		0.123
bis(2-Ethylhexyl)phthalate	0.212		0.123
Di-n-octylphthalate	ND		0.123
Benzo[b]fluoranthene	0.656		0.123
Benzo[k]fluoranthene	0.747		0.123
Benzo[a]pyrene	0.754		0.123
Indeno[1,2,3-cd]pyrene	0.617		0.123
Dibenz[a,h]anthracene	0.259		0.123
Benzo[g,h,i]perylene	0.566		0.123
Total Target Compounds:	11.2	J	

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-1
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Date File: B8402.D

GC/MS Column: DB-5
Sample wt/vol: 10.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.0

CAS #	Compound	Estimated Concentration	Retention Time
	Unknown aromatic	0.738	7.30

Total TICs = 0.738

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: B8420.D

GC/MS Column: DB-5
Sample wt/vol: 10.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 40
% Moisture: 17.3

Compound	Concentration	Q	MDL
Benzaldehyde	ND		4.83
Phenol	ND		4.83
bis(2-Chloroethyl)ether	ND		4.83
2-Chlorophenol	ND		4.83
2-Methylphenol	ND		4.83
bis(2-chloroisopropyl)ether	ND		4.83
4-Methylphenol	ND		4.83
N-Nitroso-di-n-propylamine	ND		4.83
Acetophenone	ND		4.83
Hexachloroethane	ND		4.83
Nitrobenzene	ND		4.83
Isophorone	ND		4.83
2-Nitrophenol	ND		4.83
2,4-Dimethylphenol	ND		4.83
bis(2-Chloroethoxy)methane	ND		4.83
2,4-Dichlorophenol	ND		4.83
Naphthalene	ND		4.83
4-Chloroaniline	ND		4.83
Hexachlorobutadiene	ND		4.83
Caprolactam	ND		4.83
4-Chloro-3-methylphenol	ND		4.83
2-Methylnaphthalene	ND		4.83
Hexachlorocyclopentadiene	ND		4.83
2,4,6-Trichlorophenol	ND		4.83
2,4,5-Trichlorophenol	ND		4.83
1-1'-Biphenyl	6.67		4.83
2-Chloronaphthalene	ND		4.83
2-Nitroaniline	ND		4.83
Dimethylphthalate	ND		4.83

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: B8420.D

GC/MS Column: DB-5
Sample wt/vol: 10.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 40
% Moisture: 17.3

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		4.83
Acenaphthylene	10.9		4.83
3-Nitroaniline	ND		4.83
Acenaphthene	53.5		4.83
2,4-Dinitrophenol	ND		4.83
4-Nitrophenol	ND		4.83
2,4-Dinitrotoluene	ND		4.83
Dibenzofuran	56.3		4.83
Diethylphthalate	ND		4.83
Fluorene	49.2		4.83
4-Chlorophenyl-phenylether	ND		4.83
4-Nitroaniline	ND		4.83
1,2,4,5-Tetrachlorobenzene	ND		4.83
4,6-Dinitro-2-methylphenol	ND		4.83
N-Nitrosodiphenylamine	ND		4.83
4-Bromophenyl-phenylether	ND		4.83
Hexachlorobenzene	ND		4.83
Atrazine	ND		4.83
Pentachlorophenol	ND		4.83
Phenanthrene	556		4.83
Anthracene	113		4.83
Carbazole	15.5		4.83
Di-n-butylphthalate	ND		4.83
Fluoranthene	532		4.83
Pyrene	400		4.83
Butylbenzylphthalate	ND		4.83
3,3'-Dichlorobenzidine	ND		4.83
Benzo[a]anthracene	173		4.83
Chrysene	175		4.83
bis(2-Ethylhexyl)phthalate	ND		4.83
Di-n-octylphthalate	ND		4.83
Benzo[b]fluoranthene	112		4.83
Benzo[k]fluoranthene	85.8		4.83
Benzo[a]pyrene	100		4.83
Indeno[1,2,3-cd]pyrene	65.6		4.83
Dibenz[a,h]anthracene	24.3		4.83
Benzo[g,h,i]perylene	63.3		4.83

Total Target Compounds: 2590

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Date File: B8420.D

GC/MS Column: DB-5
Sample wt/vol: 10.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 40
% Moisture: 17.3

CAS #	Compound	Estimated Concentration	Retention Time
	Substituted naphthalene	23.2	3.51
	Unknown aromatic	26.1	4.58
	Unknown aromatic	33.8	4.59
	Unknown aromatic	77.3	4.65
	Unknown	22.7	4.86
	Unknown aromatic	23.2	5.27
	Unknown aromatic	48.3	5.35
	Unknown aromatic	41.6	5.38
	Unknown aromatic	23.2	7.09
	Unknown aromatic	67.2	7.26
	Unknown aromatic	19.8	7.61

Total TICs = 406.4

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8387.D

GC/MS Column: DB-5
Sample wt/vol: 10.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
Benzaldehyde	ND		0.111
Phenol	ND		0.111
bis(2-Chloroethyl)ether	ND		0.111
2-Chlorophenol	ND		0.111
2-Methylphenol	ND		0.111
bis(2-chloroisopropyl)ether	ND		0.111
4-Methylphenol	ND		0.111
N-Nitroso-di-n-propylamine	ND		0.111
Acetophenone	ND		0.111
Hexachloroethane	ND		0.111
Nitrobenzene	ND		0.111
Isophorone	ND		0.111
2-Nitrophenol	ND		0.111
2,4-Dimethylphenol	ND		0.111
bis(2-Chloroethoxy)methane	ND		0.111
2,4-Dichlorophenol	ND		0.111
Naphthalene	ND		0.111
4-Chloroaniline	ND		0.111
Hexachlorobutadiene	ND		0.111
Caprolactam	ND		0.111
4-Chloro-3-methylphenol	ND		0.111
2-Methylnaphthalene	ND		0.111
Hexachlorocyclopentadiene	ND		0.111
2,4,6-Trichlorophenol	ND		0.111
2,4,5-Trichlorophenol	ND		0.111
1-1'-Biphenyl	ND		0.111
2-Chloronaphthalene	ND		0.111
2-Nitroaniline	ND		0.111
Dimethylphthalate	ND		0.111

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8387.D

GC/MS Column: DB-5
Sample wt/vol: 10.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.111
Acenaphthylene	ND		0.111
3-Nitroaniline	ND		0.111
Acenaphthene	ND		0.111
2,4-Dinitrophenol	ND		0.111
4-Nitrophenol	ND		0.111
2,4-Dinitrotoluene	ND		0.111
Dibenzofuran	ND		0.111
Diethylphthalate	ND		0.111
Fluorene	ND		0.111
4-Chlorophenyl-phenylether	ND		0.111
4-Nitroaniline	ND		0.111
1,2,4,5-Tetrachlorobenzene	ND		0.111
4,6-Dinitro-2-methylphenol	ND		0.111
N-Nitrosodiphenylamine	ND		0.111
4-Bromophenyl-phenylether	ND		0.111
Hexachlorobenzene	ND		0.111
Atrazine	ND		0.111
Pentachlorophenol	ND		0.111
Phenanthrene	0.124		0.111
Anthracene	ND		0.111
Carbazole	ND		0.111
Di-n-butylphthalate	ND		0.111
Fluoranthene	ND		0.111
Pyrene	ND		0.111
Butylbenzylphthalate	ND		0.111
3,3'-Dichlorobenzidine	ND		0.111
Benzo[a]anthracene	ND		0.111
Chrysene	ND		0.111
bis(2-Ethylhexyl)phthalate	0.136		0.111
Di-n-octylphthalate	ND		0.111
Benzo[b]fluoranthene	ND		0.111
Benzo[k]fluoranthene	ND		0.111
Benzo[a]pyrene	ND		0.111
Indeno[1,2,3-cd]pyrene	ND		0.111
Dibenz[a,h]anthracene	ND		0.111
Benzo[g,h,i]perylene	ND		0.111

Total Target Compounds: 0.260

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8387.D

GC/MS Column: DB-5
Sample wt/vol: 10.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: R9706.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 10
% Moisture: 100

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.0002
Aroclor-1221	ND		0.0002
Aroclor-1232	ND		0.0002
Aroclor-1242	ND		0.0002
Aroclor-1248	ND		0.0002
Aroclor-1254	ND		0.0002
Aroclor-1260	ND		0.0002

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-003
Client ID: SB-X13-0/0-
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/28/2003
Data file: R9762.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.80g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.1

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.015
Aroclor-1221	ND		0.015
Aroclor-1232	ND		0.015
Aroclor-1242	ND		0.015
Aroclor-1248	ND		0.015
Aroclor-1254	ND		0.015
Aroclor-1260	0.029		0.015

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-004
Client ID: SB-X13-8/8-
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/28/2003
Data file: R9763.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.4

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.019
Aroclor-1221	ND		0.019
Aroclor-1232	ND		0.019
Aroclor-1242	ND		0.019
Aroclor-1248	ND		0.019
Aroclor-1254	ND		0.019
Aroclor-1260	ND		0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/23.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9685.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0.5
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9686.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.34g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.018
Aroclor-1221	ND		0.018
Aroclor-1232	ND		0.018
Aroclor-1242	ND		0.018
Aroclor-1248	ND		0.018
Aroclor-1254	ND		0.018
Aroclor-1260	0.355		0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8.5
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9687.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0
Date Received: 02/25/2003
Date Extracted: 02/27/2003
Date Analyzed: 02/27/2003
Data file: R9722.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.7g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-11
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9689.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.019
Aroclor-1221	ND		0.019
Aroclor-1232	ND		0.019
Aroclor-1242	ND		0.019
Aroclor-1248	ND		0.019
Aroclor-1254	ND		0.019
Aroclor-1260	ND		0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/15.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: R9714.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.018
Aroclor-1221	ND		0.018
Aroclor-1232	ND		0.018
Aroclor-1242	0.643		0.018
Aroclor-1248	ND		0.018
Aroclor-1254	ND		0.018
Aroclor-1260	ND		0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/37.
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9692.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.72g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
Aroclor-1016	ND		0.017
Aroclor-1221	ND		0.017
Aroclor-1232	ND		0.017
Aroclor-1242	ND		0.017
Aroclor-1248	ND		0.017
Aroclor-1254	ND		0.017
Aroclor-1260	ND		0.017

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER_CELOTE

Lab ID: 01398-001
Client ID: FIELD_BLANK
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: P4264.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 5
% Moisture: 100

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00001
beta-BHC	ND		0.00001
gamma-BHC	ND		0.00001
delta-BHC	ND		0.00001
Heptachlor	ND		0.00001
Aldrin	ND		0.00001
Heptachlor epoxide	ND		0.00001
Endosulfan I	ND		0.00001
4,4'-DDE	ND		0.00001
Dieldrin	ND		0.00001
Endrin	ND		0.00001
Endosulfan II	ND		0.00001
4,4'-DDD	ND		0.00001
Endrin aldehyde	ND		0.00001
Endosulfan sulfate	ND		0.00001
4,4'-DDT	ND		0.00001
Endrin ketone	ND		0.00001
Methoxychlor	ND		0.00001
alpha-Chlordane	ND		0.00001
gamma-Chlordane	ND		0.00001
Toxaphene	ND		0.000075

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-005
Client ID: SB-X13-23.5/23
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6964.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.5

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00435
beta-BHC	ND		0.00435
gamma-BHC	ND		0.00435
delta-BHC	ND		0.00435
Heptachlor	ND		0.00435
Aldrin	ND		0.00435
Heptachlor epoxide	ND		0.00435
Endosulfan I	ND		0.00435
4,4'-DDE	ND		0.00435
Dieldrin	ND		0.00435
Endrin	ND		0.00435
Endosulfan II	ND		0.00435
4,4'-DDD	ND		0.00435
Endrin aldehyde	ND		0.00435
Endosulfan sulfate	ND		0.00435
4,4'-DDT	ND		0.00435
Endrin ketone	ND		0.00435
Methoxychlor	ND		0.00435
alpha-Chlordane	ND		0.00435
gamma-Chlordane	ND		0.00435
Toxaphene	ND		0.022

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-006
Client ID: SB-T15-0/0-0.5
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6965.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.34g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 16.6

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00449
beta-BHC	ND		0.00449
gamma-BHC	ND		0.00449
delta-BHC	ND		0.00449
Heptachlor	ND		0.00449
Aldrin	ND		0.00449
Heptachlor epoxide	ND		0.00449
Endosulfan I	ND		0.00449
4,4'-DDE	ND		0.00449
Dieldrin	ND		0.00449
Endrin	ND		0.00449
Endosulfan II	ND		0.00449
4,4'-DDD	ND		0.00449
Endrin aldehyde	ND		0.00449
Endosulfan sulfate	ND		0.00449
4,4'-DDT	ND		0.00449
Endrin ketone	ND		0.00449
Methoxychlor	ND		0.00449
alpha-Chlordane	ND		0.00449
gamma-Chlordane	ND		0.00449
Toxaphene	ND		0.023

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-007
Client ID: SB-T15-8/8-8.5
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6966.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00431
beta-BHC	ND		0.00431
gamma-BHC	ND		0.00431
delta-BHC	ND		0.00431
Heptachlor	ND		0.00431
Aldrin	ND		0.00431
Heptachlor epoxide	ND		0.00431
Endosulfan I	ND		0.00431
4,4'-DDE	ND		0.00431
Dieldrin	ND		0.00431
Endrin	ND		0.00431
Endosulfan II	ND		0.00431
4,4'-DDD	ND		0.00431
Endrin aldehyde	ND		0.00431
Endosulfan sulfate	ND		0.00431
4,4'-DDT	ND		0.00431
Endrin ketone	ND		0.00431
Methoxychlor	ND		0.00431
alpha-Chlordane	ND		0.00431
gamma-Chlordane	ND		0.00431
Toxaphene	ND		0.022

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER_CELOTE

Lab ID: 01398-008
Client ID: SB-T28-0/0-
Date Received: 02/25/2003
Date Extracted: 02/27/2003
Date Analyzed: 02/27/2003
Data file: P4298.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.7g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00424
beta-BHC	ND		0.00424
gamma-BHC	ND		0.00424
delta-BHC	ND		0.00424
Heptachlor	ND		0.00424
Aldrin	ND		0.00424
Heptachlor epoxide	ND		0.00424
Endosulfan I	ND		0.00424
4,4'-DDE	ND		0.00424
Dieldrin	ND		0.00424
Endrin	ND		0.00424
Endosulfan II	ND		0.00424
4,4'-DDD	ND		0.00424
Endrin aldehyde	ND		0.00424
Endosulfan sulfate	ND		0.00424
4,4'-DDT	ND		0.00424
Endrin ketone	ND		0.00424
Methoxychlor	ND		0.00424
alpha-Chlordane	ND		0.00424
gamma-Chlordane	ND		0.00424
Toxaphene	ND		0.021

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-009
Client ID: SB-T28-8/8-11
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6968.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.16g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00485
beta-BHC	ND		0.00485
gamma-BHC	ND		0.00485
delta-BHC	ND		0.00485
Heptachlor	ND		0.00485
Aldrin	ND		0.00485
Heptachlor epoxide	ND		0.00485
Endosulfan I	ND		0.00485
4,4'-DDE	ND		0.00485
Dieldrin	ND		0.00485
Endrin	ND		0.00485
Endosulfan II	ND		0.00485
4,4'-DDD	ND		0.00485
Endrin aldehyde	ND		0.00485
Endosulfan sulfate	ND		0.00485
4,4'-DDT	ND		0.00485
Endrin ketone	ND		0.00485
Methoxychlor	ND		0.00485
alpha-Chlordane	ND		0.00485
gamma-Chlordane	ND		0.00485
Toxaphene	ND		0.024

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-010
Client ID: SB-T28-15.5/15
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6969.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00449
beta-BHC	ND		0.00449
gamma-BHC	ND		0.00449
delta-BHC	ND		0.00449
Heptachlor	ND		0.00449
Aldrin	ND		0.00449
Heptachlor epoxide	ND		0.00449
Endosulfan I	ND		0.00449
4,4'-DDE	0.00893		0.00449
Dieldrin	0.00556		0.00449
Endrin	ND		0.00449
Endosulfan II	0.013		0.00449
4,4'-DDD	0.016		0.00449
Endrin aldehyde	ND		0.00449
Endosulfan sulfate	ND		0.00449
4,4'-DDT	ND		0.00449
Endrin ketone	ND		0.00449
Methoxychlor	ND		0.00449
alpha-Chlordane	ND		0.00449
gamma-Chlordane	ND		0.00449
Toxaphene	ND		0.022

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: EWMA/FORMER CELOTE

Lab ID: 01398-012
Client ID: SB-T28-37.5/37
Date Received: 02/25/2003
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6971.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.72g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.7

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.00415
beta-BHC	ND		0.00415
gamma-BHC	ND		0.00415
delta-BHC	ND		0.00415
Heptachlor	ND		0.00415
Aldrin	ND		0.00415
Heptachlor epoxide	ND		0.00415
Endosulfan I	ND		0.00415
4,4'-DDE	ND		0.00415
Dieldrin	ND		0.00415
Endrin	ND		0.00415
Endosulfan II	ND		0.00415
4,4'-DDD	ND		0.00415
Endrin aldehyde	ND		0.00415
Endosulfan sulfate	ND		0.00415
4,4'-DDT	ND		0.00415
Endrin ketone	ND		0.00415
Methoxychlor	ND		0.00415
alpha-Chlordane	ND		0.00415
gamma-Chlordane	ND		0.00415
Toxaphene	ND		0.021

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-001
Client ID: FIELD BLANK
Date Received: 02/25/03 18:00
Matrix-Units: Aqueous-mg/L (ppm)
% Moisture: 100
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	ND		1	1.00	02/27/03	6020
Antimony	ND		1	0.100	02/27/03	6020
Arsenic	ND		1	0.100	02/27/03	6020
Barium	ND		1	1.00	02/27/03	6020
Beryllium	ND		1	0.050	02/27/03	6020
Cadmium	ND		1	0.025	02/27/03	6020
Calcium	ND		1	5.00	02/27/03	6020
Chromium	ND		1	0.200	02/27/03	6020
Cobalt	ND		1	0.200	02/27/03	6020
Copper	ND		1	0.200	02/27/03	6020
Iron	ND		1	2.50	02/27/03	6020
Lead	ND		1	0.050	02/27/03	6020
Magnesium	ND		1	5.00	02/27/03	6020
Manganese	ND		1	0.500	02/27/03	6020
Mercury	ND		1	0.0005	02/27/03	7471 A
Nickel	ND		1	0.100	02/27/03	6020
Potassium	ND		1	5.00	02/27/03	6020
Selenium	ND		1	0.200	02/27/03	6020
Silver	ND		1	0.050	02/27/03	6020
Sodium	ND		1	10.0	02/27/03	6020
Thallium	ND		1	0.010	02/27/03	6020
Vanadium	ND		1	0.200	02/27/03	6020
Zinc	ND		1	0.200	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-003
Client ID: SB-X13-0
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 11.1
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	15700		1	11.2	02/27/03	6020
Antimony	ND		1	1.12	02/27/03	6020
Arsenic	6.24		1	1.12	02/27/03	6020
Barium	131		1	11.2	02/27/03	6020
Beryllium	0.585		1	0.558	02/27/03	6020
Cadmium	ND		1	0.279	02/27/03	6020
Calcium	3880		1	55.8	02/27/03	6020
Chromium	43.3		1	2.23	02/27/03	6020
Cobalt	15.0		1	2.23	02/27/03	6020
Copper	44.2		1	2.23	02/27/03	6020
Iron	24900		1	27.9	02/27/03	6020
Lead	97.3		1	0.558	02/27/03	6020
Magnesium	7550		1	55.8	02/27/03	6020
Manganese	396		1	5.58	02/27/03	6020
Mercury	0.098		1	0.014	02/27/03	7471 A
Nickel	35.3		1	1.12	02/27/03	6020
Potassium	5660		1	55.8	02/27/03	6020
Selenium	ND		1	2.23	02/27/03	6020
Silver	ND		1	0.558	02/27/03	6020
Sodium	632		1	112	02/27/03	6020
Thallium	0.272		1	0.112	02/27/03	6020
Vanadium	46.5		1	2.23	02/27/03	6020
Zinc	108		1	2.23	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-004
Client ID: SB-X13-8
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 15.4
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	10700		1	11.8	02/27/03	6020
Antimony	ND		1	1.18	02/27/03	6020
Arsenic	40.5		1	1.18	02/27/03	6020
Barium	32.2		1	11.8	02/27/03	6020
Beryllium	ND		1	0.590	02/27/03	6020
Cadmium	ND		1	0.295	02/27/03	6020
Calcium	1250		1	59.0	02/27/03	6020
Chromium	16.2		1	2.36	02/27/03	6020
Cobalt	6.66		1	2.36	02/27/03	6020
Copper	15.7		1	2.36	02/27/03	6020
Iron	13800		1	29.5	02/27/03	6020
Lead	78.8		1	0.590	02/27/03	6020
Magnesium	4400		1	59.0	02/27/03	6020
Manganese	702		1	5.90	02/27/03	6020
Mercury	0.025		1	0.015	02/27/03	7471 A
Nickel	15.2		1	1.18	02/27/03	6020
Potassium	622		1	59.0	02/27/03	6020
Selenium	ND		1	2.36	02/27/03	6020
Silver	ND		1	0.590	02/27/03	6020
Sodium	236		1	118	02/27/03	6020
Thallium	1.28		1	0.118	02/27/03	6020
Vanadium	18.1		1	2.36	02/27/03	6020
Zinc	241		1	2.36	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-005
Client ID: SB-X13-23.5
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 17.5
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	5940		1	12.1	02/27/03	6020
Antimony	ND		1	1.21	02/27/03	6020
Arsenic	281		1	1.21	02/27/03	6020
Barium	25.9		1	12.1	02/27/03	6020
Beryllium	ND		1	0.605	02/27/03	6020
Cadmium	ND		1	0.303	02/27/03	6020
Calcium	501		1	60.5	02/27/03	6020
Chromium	13.7		1	2.42	02/27/03	6020
Cobalt	2.48		1	2.42	02/27/03	6020
Copper	134		1	2.42	02/27/03	6020
Iron	10800		1	30.3	02/27/03	6020
Lead	9.89		1	0.605	02/27/03	6020
Magnesium	2160		1	60.5	02/27/03	6020
Manganese	74.9		1	6.05	02/27/03	6020
Mercury	ND		1	0.015	02/27/03	7471 A
Nickel	8.03		1	1.21	02/27/03	6020
Potassium	831		1	60.5	02/27/03	6020
Selenium	ND		1	2.42	02/27/03	6020
Silver	ND		1	0.605	02/27/03	6020
Sodium	127		1	121	02/27/03	6020
Thallium	4.87		1	0.121	02/27/03	6020
Vanadium	11.5		1	2.42	02/27/03	6020
Zinc	25.9		1	2.42	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-006
Client ID: SB-T15-0
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 16.6
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	15700		1	12.0	02/27/03	6020
Antimony	ND		1	1.20	02/27/03	6020
Arsenic	9.08		1	1.20	02/27/03	6020
Barium	148		1	12.0	02/27/03	6020
Beryllium	ND		1	0.602	02/27/03	6020
Cadmium	0.374		1	0.301	02/27/03	6020
Calcium	29500		10	602	02/27/03	6020
Chromium	48.3		1	2.41	02/27/03	6020
Cobalt	12.5		1	2.41	02/27/03	6020
Copper	47.5		1	2.41	02/27/03	6020
Iron	22100		1	30.1	02/27/03	6020
Lead	142		1	0.602	02/27/03	6020
Magnesium	9330		1	60.2	02/27/03	6020
Manganese	384		1	6.02	02/27/03	6020
Mercury	0.225		1	0.015	02/27/03	7471 A
Nickel	34.9		1	1.20	02/27/03	6020
Potassium	5280		1	60.2	02/27/03	6020
Selenium	ND		1	2.41	02/27/03	6020
Silver	ND		1	0.602	02/27/03	6020
Sodium	617		1	120	02/27/03	6020
Thallium	0.261		1	0.120	02/27/03	6020
Vanadium	44.3		1	2.41	02/27/03	6020
Zinc	125		1	2.41	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-007
Client ID: SB-T15-8
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 15.0
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	2330		1	11.8	02/27/03	6020
Antimony	ND		1	1.18	02/27/03	6020
Arsenic	4.30		1	1.18	02/27/03	6020
Barium	ND		1	11.8	02/27/03	6020
Beryllium	ND		1	0.588	02/27/03	6020
Cadmium	ND		1	0.294	02/27/03	6020
Calcium	1590		1	58.8	02/27/03	6020
Chromium	3.39		1	2.35	02/27/03	6020
Cobalt	ND		1	2.35	02/27/03	6020
Copper	13.6		1	2.35	02/27/03	6020
Iron	1100		1	29.4	02/27/03	6020
Lead	89.2		1	0.588	02/27/03	6020
Magnesium	426		1	58.8	02/27/03	6020
Manganese	19.7		1	5.88	02/27/03	6020
Mercury	0.045		1	0.015	02/27/03	7471 A
Nickel	ND		1	1.18	02/27/03	6020
Potassium	336		1	58.8	02/27/03	6020
Selenium	ND		1	2.35	02/27/03	6020
Silver	ND		1	0.588	02/27/03	6020
Sodium	268		1	118	02/27/03	6020
Thallium	ND		1	0.118	02/27/03	6020
Vanadium	6.02		1	2.35	02/27/03	6020
Zinc	20.0		1	2.35	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-008
Client ID: SB-T28-0
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 17.3
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	9790		1	12.1	02/27/03	6020
Antimony	ND		1	1.21	02/27/03	6020
Arsenic	3.87		1	1.21	02/27/03	6020
Barium	57.5		1	12.1	02/27/03	6020
Beryllium	ND		1	0.605	02/27/03	6020
Cadmium	ND		1	0.303	02/27/03	6020
Calcium	4160		1	60.5	02/27/03	6020
Chromium	21.1		1	2.42	02/27/03	6020
Cobalt	8.04		1	2.42	02/27/03	6020
Copper	30.9		1	2.42	02/27/03	6020
Iron	17300		1	30.3	02/27/03	6020
Lead	32.9		1	0.605	02/27/03	6020
Magnesium	3740		1	60.5	02/27/03	6020
Manganese	293		1	6.05	02/27/03	6020
Mercury	0.040		1	0.015	02/27/03	7471 A
Nickel	17.0		1	1.21	02/27/03	6020
Potassium	932		1	60.5	02/27/03	6020
Selenium	ND		1	2.42	02/27/03	6020
Silver	ND		1	0.605	02/27/03	6020
Sodium	253		1	121	02/27/03	6020
Thallium	ND		1	0.121	02/27/03	6020
Vanadium	34.3		1	2.42	02/27/03	6020
Zinc	64.0		1	2.42	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-009
Client ID: SB-T28-8
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 20.0
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	8990		1	12.5	02/27/03	6020
Antimony	ND		1	1.25	02/27/03	6020
Arsenic	4.24		1	1.25	02/27/03	6020
Barium	64.4		1	12.5	02/27/03	6020
Beryllium	ND		1	0.625	02/27/03	6020
Cadmium	0.544		1	0.313	02/27/03	6020
Calcium	40600		10	625	02/27/03	6020
Chromium	23.3		1	2.50	02/27/03	6020
Cobalt	6.26		1	2.50	02/27/03	6020
Copper	63.4		1	2.50	02/27/03	6020
Iron	11700		1	31.3	02/27/03	6020
Lead	63.9		1	0.625	02/27/03	6020
Magnesium	8010		1	62.5	02/27/03	6020
Manganese	297		1	6.25	02/27/03	6020
Mercury	0.399		1	0.016	02/27/03	7471 A
Nickel	18.6		1	1.25	02/27/03	6020
Potassium	1360		1	62.5	02/27/03	6020
Selenium	ND		1	2.50	02/27/03	6020
Silver	ND		1	0.625	02/27/03	6020
Sodium	1910		1	125	02/27/03	6020
Thallium	ND		1	0.125	02/27/03	6020
Vanadium	25.2		1	2.50	02/27/03	6020
Zinc	96.4		1	2.50	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-010
Client ID: SB-T28-15.5
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 17.3
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	12000		1	12.1	02/27/03	6020
Antimony	ND		1	1.21	02/27/03	6020
Arsenic	17.4		1	1.21	02/27/03	6020
Barium	58.2		1	12.1	02/27/03	6020
Beryllium	ND		1	0.605	02/27/03	6020
Cadmium	1.53		1	0.303	02/27/03	6020
Calcium	56700		10	605	02/27/03	6020
Chromium	53.2		1	2.42	02/27/03	6020
Cobalt	12.0		1	2.42	02/27/03	6020
Copper	111		1	2.42	02/27/03	6020
Iron	19700		1	30.3	02/27/03	6020
Lead	99.8		1	0.605	02/27/03	6020
Magnesium	28800		10	605	02/27/03	6020
Manganese	450		1	6.05	02/27/03	6020
Mercury	2.93		10	0.152	02/27/03	7471 A
Nickel	34.4		1	1.21	02/27/03	6020
Potassium	1610		1	60.5	02/27/03	6020
Selenium	ND		1	2.42	02/27/03	6020
Silver	1.59		1	0.605	02/27/03	6020
Sodium	414		1	121	02/27/03	6020
Thallium	0.324		1	0.121	02/27/03	6020
Vanadium	103		1	2.42	02/27/03	6020
Zinc	109		1	2.42	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: EWMA/FORMER CELOTEX - 202887

Lab ID: 01398-012
Client ID: SB-T28-37.5
Date Received: 02/25/03 18:00
Matrix-Units: Soil-mg/Kg (ppm)
% Moisture: 15.7
Batch #: 56

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Aluminum	10600		1	11.9	02/27/03	6020
Antimony	ND		1	1.19	02/27/03	6020
Arsenic	4.12		1	1.19	02/27/03	6020
Barium	27.3		1	11.9	02/27/03	6020
Beryllium	0.741		1	0.593	02/27/03	6020
Cadmium	0.363		1	0.296	02/27/03	6020
Calcium	3790		1	59.3	02/27/03	6020
Chromium	23.7		1	2.37	02/27/03	6020
Cobalt	8.02		1	2.37	02/27/03	6020
Copper	31.3		1	2.37	02/27/03	6020
Iron	13000		1	29.6	02/27/03	6020
Lead	30.9		1	0.593	02/27/03	6020
Magnesium	6660		1	59.3	02/27/03	6020
Manganese	270		1	5.93	02/27/03	6020
Mercury	ND		1	0.015	02/27/03	7471 A
Nickel	26.2		1	1.19	02/27/03	6020
Potassium	3930		1	59.3	02/27/03	6020
Selenium	ND		1	2.37	02/27/03	6020
Silver	ND		1	0.593	02/27/03	6020
Sodium	1450		1	119	02/27/03	6020
Thallium	ND		1	0.119	02/27/03	6020
Vanadium	34.8		1	2.37	02/27/03	6020
Zinc	61.3		1	2.37	02/27/03	6020

INTEGRATED ANALYTICAL LABORATORIES, LLC.

Total Cyanide

Client/Project: EWMA/FORMER CELOTEX - 202887

Date Received: 02/25/03 18:00

Lab ID	Client ID	Result	Q	DF	Matrix-Units	MDL	% Solid	Date Analyzed
01398-001	FIELD BLANK	ND		1	Aqueous-mg/L	0.020	0	03/03/03 12:08
01398-003	SB-X13-0	ND		1	Soil-mg/Kg	1.12	88.9	03/03/03 12:08
01398-004	SB-X13-8	ND		1	Soil-mg/Kg	1.18	84.6	03/03/03 12:08
01398-005	SB-X13-23.5	ND		1	Soil-mg/Kg	1.21	82.5	03/03/03 12:08
01398-006	SB-T15-0	ND		1	Soil-mg/Kg	1.20	83.4	03/03/03 12:08
01398-007	SB-T15-8	ND		1	Soil-mg/Kg	1.18	85.0	03/03/03 12:08
01398-008	SB-T28-0	ND		1	Soil-mg/Kg	1.21	82.7	03/03/03 12:08
01398-009	SB-T28-8	ND		1	Soil-mg/Kg	1.25	80.0	03/03/03 12:08
01398-010	SB-T28-15.5	ND		1	Soil-mg/Kg	1.21	82.7	03/03/03 12:08
01398-012	SB-T28-37.5	ND		1	Soil-mg/Kg	1.19	84.3	03/03/03 12:08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2444.D BFB Injection Date: 02/14/2003

Inst ID: MSD_I BFB Injection Time: 12:04

m/z	Ion Abudance Criteria	%Relative Abundance	
50	15 - 40.0% of mass 95	20.7	
75	30.0 - 60.0% of mass 95	50.1	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	8.3	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	Great than 50.0% of mass 95	82.4	
175	5.0 - 9.0% of mass 174	5.9	(7.2)1
176	95.0 - 101.0% of mass 174	82.0	(99.5)1
177	5.0 - 9.0% of mass 176	5.6	(6.8)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	I2445.D	02/14/2003	12:17
200	200_PPB_STD	I2446.D	02/14/2003	12:47
150	150_PPB_STD	I2447.D	02/14/2003	13:17
50	50_PPB_STD	I2448.D	02/14/2003	13:48
20	20_PPB_STD	I2449.D	02/14/2003	14:18
N/A	METHOD_BLK	I2451.D	02/14/2003	15:18
LCS	BLK_SPK	I2452.D	02/14/2003	15:48
SS-2B	01154-003	I2453.D	02/14/2003	16:18
5779-B1	01145-001	I2454.D	02/14/2003	16:48
5779-B2	01145-002	I2455.D	02/14/2003	17:18
5779-B3	01145-003	I2456.D	02/14/2003	17:48
5779-B5	01145-005	I2458.D	02/14/2003	18:49
5779-B6	01145-006	I2459.D	02/14/2003	19:19
5779-B7	01145-007	I2460.D	02/14/2003	19:49
5779-B8	01145-008	I2461.D	02/14/2003	20:19
MS	01145-001MS	I2462.D	02/14/2003	20:49
MSD	01145-001MSD	I2463.D	02/14/2003	21:19
STOLTMAN_WAS	01205-001	I2468.D	02/14/2003	23:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2495.D BFB Injection Date: 02/19/2003

Inst ID: MSD I BFB Injection Time: 0:48

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	21.7			
75	30.0 - 60.0% of mass 95	43.0			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.9			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	70.6			
175	5.0 - 9.0% of mass 174	5.4	(	7.6	)1
176	95.0 - 101.0% of mass 174	67.7	(	95.9	)1
177	5.0 - 9.0% of mass 176	5.4	(	8.0	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	I2497.D	02/19/2003	1:44
N/A	METHOD_BLK	I2499.D	02/19/2003	2:44
N/A	METHOD_BLK	I2500.D	02/19/2003	3:14
LCS	BLK_SPK	I2501.D	02/19/2003	3:43
MS	BLK_MS	I2502.D	02/19/2003	4:13
MSD	BLK_MSD	I2503.D	02/19/2003	4:42
FIELD_BLANK	01235-010	I2504.D	02/19/2003	5:12
TRIP_BLANK	01235-011	I2505.D	02/19/2003	5:41
SB-T12-0/0-0.5	01235-001	I2506.D	02/19/2003	6:11
SB-T12-11/11-11.5	01235-002	I2507.D	02/19/2003	6:40
SB-T12-14/14-14.5	01235-003	I2508.D	02/19/2003	7:10
SB-W13-0/0-0.5	01235-004	I2509.D	02/19/2003	7:39
SB-W13-12/12-12.5	01235-005	I2510.D	02/19/2003	8:09
SB-W15-11.5/11.5-	01235-008	I2513.D	02/19/2003	9:38
SB-W15-16.5/16.5-	01235-009	I2514.D	02/19/2003	10:08
MS	01235-009MS	I2515.D	02/19/2003	10:38
MSD	01235-009MSD	I2516.D	02/19/2003	11:08
SW13-19/19-19.5	01235-006	I2517.D	02/19/2003	11:38
SB-W15-0/0-0.5	01235-007	I2518.D	02/19/2003	12:09

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2649.D BFB Injection Date: 02/26/2003

Inst ID: MSD I BFB Injection Time: 9:47

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	22.2			
75	30.0 - 60.0% of mass 95	44.8			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.3			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	68.0			
175	5.0 - 9.0% of mass 174	6.1	(	8.9	)1
176	95.0 - 101.0% of mass 174	65.3	(	96.0	)1
177	5.0 - 9.0% of mass 176	5.0	(	7.7	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	I2650.D	02/26/2003	10:04
N/A	METHOD_BLK	I2651.D	02/26/2003	10:34
LCS	BLK_SPK	I2652.D	02/26/2003	11:03
TRIP_BLANK	01396-001	I2653.D	02/26/2003	11:33
AT-36/12	01396-002	I2654.D	02/26/2003	12:03
PES-G10-E/6	01396-003	I2655.D	02/26/2003	12:33
PES-A10-E/7.5	01396-004	I2656.D	02/26/2003	13:04
DUPLICATE-2/03(	01396-005	I2657.D	02/26/2003	13:34
DUPLICATE-2/03(	01396-006	I2658.D	02/26/2003	14:04
MS	01396-002MS	I2659.D	02/26/2003	14:34
MSD	01396-002MSD	I2660.D	02/26/2003	15:03
N/A	METHOD_BLK	I2661.D	02/26/2003	15:33
FIELD_BLANK	01398-001	I2662.D	02/26/2003	16:04
TRIP_BLANK	01398-002	I2663.D	02/26/2003	16:34
SB-X13-0/0-0.5	01398-003	I2664.D	02/26/2003	17:04
SB-X13-23.5/23.5-2	01398-005	I2665.D	02/26/2003	17:34
SB-T15-0/0-0.5	01398-006	I2666.D	02/26/2003	18:05
SB-T15-8/8-8.5	01398-007	I2667.D	02/26/2003	18:35
SB-T28-0/0-0.5	01398-008	I2668.D	02/26/2003	19:05
SB-T28-8/8-11	01398-009	I2669.D	02/26/2003	19:35

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: I2649.D BFB Injection Date : 02/26/2003

Inst ID: MSD I BFB Injection Time: 9:47

m/z	Ion Abudance Criteria	%Relative Abundance			
50	15 - 40.0% of mass 95	22.2			
75	30.0 - 60.0% of mass 95	44.8			
95	Base peak, 100% relative abundance	100.0			
96	5.0 - 9.0% of mass 95	7.3			
173	Less than 2.0% of mass 174	0.0	(	0.0	)1
174	Great than 50.0% of mass 95	68.0			
175	5.0 - 9.0% of mass 174	6.1	(	8.9	)1
176	95.0 - 101.0% of mass 174	65.3	(	96.0	)1
177	5.0 - 9.0% of mass 176	5.0	(	7.7	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
SB-T28-37.5/37.5-	301398-012	I2670.D	02/26/2003	20:05

0114

302955

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F2438.D BFB Injection Date: 02/19/2003.

Inst ID: MSD_F BFB Injection Time: 11:47

m/z	Ion Abudance Criteria	%Relative Abundance	
50	15 - 40.0% of mass 95	23.5	
75	30.0 - 60.0% of mass 95	47.7	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	Great than 50.0% of mass 95	62.2	
175	5.0 - 9.0% of mass 174	5.1	(8.2)1
176	95.0 - 101.0% of mass 174	61.6	(99.1)1
177	5.0 - 9.0% of mass 176	4.3	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
200	200_PPB_STD	F2440.D	02/19/2003	12:31
150	150_PPB_STD	F2441.D	02/19/2003	13:04
50	50_PPB_STD	F2442.D	02/19/2003	13:37
20	20_PPB_STD	F2443.D	02/19/2003	14:10
100	100_PPB_STD	F2444.D	02/19/2003	14:43
BLK	METHOD-BLK	F2446.D	02/19/2003	15:49
LCS_S.S.	BLK-SPK	F2447.D	02/19/2003	16:22
TRIP_BLANK	01137-005	F2448.D	02/19/2003	16:55
021203-TB	01159-007	F2449.D	02/19/2003	17:28
TB	01173-006	F2450.D	02/19/2003	18:01
TB	01206-007	F2451.D	02/19/2003	18:34
TRIP_BLANK	01216-007	F2452.D	02/19/2003	19:07
S-2	01216-002	F2453.D	02/19/2003	19:40
S1	01206-001	F2454.D	02/19/2003	20:13
GRE-01	01173-001	F2455.D	02/19/2003	20:46
S-1/3.5-4.0	01137-001	F2456.D	02/19/2003	21:19
MS	01216-002MS	F2457.D	02/19/2003	21:52
MSD	01216-002MSD	F2458.D	02/19/2003	22:25
BSBB-2-S3	01159-002	F2459.D	02/19/2003	22:58
BSBB-2-S4	01159-003	F2460.D	02/19/2003	23:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: F2585.D BFB Injection Date: 02/27/2003

Inst ID: MSD_F BFB Injection Time: 8:47

m/z	Ion Abudance Criteria	%Relative Abundance		
50	15 - 40.0% of mass 95	24.5		
75	30.0 - 60.0% of mass 95	49.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.5		
173	Less than 2.0% of mass 174	0.0	(0.0	)1
174	Great than 50.0% of mass 95	54.3		
175	5.0 - 9.0% of mass 174	3.9	(7.1	)1
176	95.0 - 101.0% of mass 174	51.9	(95.5	)1
177	5.0 - 9.0% of mass 176	3.7	(7.2	)2

1-Value is % mass 174 2-Value is % mass 176

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
100	100_PPB_STD	F2587.D	02/27/2003	9:30
BLK	METHOD-BLK	F2589.D	02/27/2003	10:35
LCS_S.S.	BLK-SPK	F2590.D	02/27/2003	11:07
TB022003	01337-013	F2591.D	02/27/2003	11:39
TRIP_BLANK	01430-001	F2592.D	02/27/2003	12:12
PEB-G6/10	01430-002	F2593.D	02/27/2003	12:44
B-1	01436-001	F2594.D	02/27/2003	13:16
B-2	01436-002	F2595.D	02/27/2003	13:49
B-4	01436-004	F2597.D	02/27/2003	14:54
WS-1/9.5-10	01337-001	F2601.D	02/27/2003	17:19
WS-3/8.0-8.5	01337-003	F2602.D	02/27/2003	17:52
MS	01430-002MS	F2603.D	02/27/2003	18:24
MSD	01430-002MSD	F2604.D	02/27/2003	18:57
SB-T28-15.5/15.5-	01398-010	F2605.D	02/27/2003	19:29
SB-X13-8/8-8.5	01398-004	F2606.D	02/27/2003	20:02
SB-T28-28/28-28.5	01398-011	F2607.D	02/27/2003	20:34

VOLATILE METHOD BLANK SUMMARY

Lab File ID: I2500.D Instrument ID: MSD_I

Date Analyzed: 02/19/2003 Time Analyzed: 03:14

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
MS	BLK_MS	02/19/2003	4:13
MSD	BLK_MSD	02/19/2003	4:42
FIELD_BLANK	01235-010	02/19/2003	5:12

FORM 4

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.005
Chloromethane	ND		0.005
Vinyl Chloride	ND		0.005
Bromomethane	ND		0.005
Chloroethane	ND		0.005
Trichlorofluoromethane	ND		0.005
1,1-Dichloroethene	ND		0.005
Acetone	ND		0.010
Carbon Disulfide	ND		0.005
Methylene Chloride	ND		0.005
trans-1,2-Dichloroethene	ND		0.005
Methyl-t-Butyl Ether(MTBE)	ND		0.005
1,1-Dichloroethane	ND		0.005
cis-1,2-Dichloroethene	ND		0.005
2-Butanone(MEK)	ND		0.010
Bromochloromethane	ND		0.005
Chloroform	ND		0.005
1,1,1-Trichloroethane	ND		0.005
Carbon Tetrachloride	ND		0.005
1,2-Dichloroethane(EDC)	ND		0.005
Benzene	ND		0.005
Trichloroethene	ND		0.005
1,2-Dichloropropane	ND		0.005
Bromodichloromethane	ND		0.005
cis-1,3-Dichloropropene	ND		0.005
4-Methyl-2-pentanone(MIBK)	ND		0.010

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (pp
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Toluene	ND		0.005
trans-1,3-Dichloropropene	ND		0.005
1,1,2-Trichloroethane	ND		0.005
Tetrachloroethene	ND		0.005
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.005
1,2-Dibromoethane(EDB)	ND		0.005
Chlorobenzene	ND		0.005
Ethylbenzene	ND		0.005
Total Xylenes	ND		0.005
Styrene	ND		0.005
Bromoform	ND		0.005
Isopropylbenzene	ND		0.005
1,1,2,2-Tetrachloroethane	ND		0.005
1,3-Dichlorobenzene	ND		0.005
1,4-Dichlorobenzene	ND		0.005
1,2-Dichlorobenzene	ND		0.005
1,2-Dibromo-3-chloropropane	ND		0.005
1,2,4-Trichlorobenzene	ND		0.005
1,2,3-Trichlorobenzene	ND		0.005
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.005
Methyl Acetate	ND		0.005
Cyclohexane	ND		0.005
Methylcyclohexane	ND		0.005

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/19/2003
Data file: I2500.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: I2651.D Instrument ID: MSD_I

Date Analyzed: 02/26/2003 Time Analyzed: 10:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LCS	BLK_SPK	02/26/2003	11:03
TRIP_BLANK	01396-001	02/26/2003	11:33
AT-36/12	01396-002	02/26/2003	12:03
PES-G10-E/6	01396-003	02/26/2003	12:33
PES-A10-E/7.5	01396-004	02/26/2003	13:04
DUPLICATE-2/03(1)	01396-005	02/26/2003	13:34
DUPLICATE-2/03(2)	01396-006	02/26/2003	14:04
MS	01396-002MS	02/26/2003	14:34
MSD	01396-002MSD	02/26/2003	15:03
TRIP_BLANK	01398-002	02/26/2003	16:34
SB-X13-0/0-0.5	01398-003	02/26/2003	17:04
SB-X13-23.5/23.5-24	01398-005	02/26/2003	17:34
SB-T15-0/0-0.5	01398-006	02/26/2003	18:05
SB-T15-8/8-8.5	01398-007	02/26/2003	18:35
SB-T28-0/0-0.5	01398-008	02/26/2003	19:05
SB-T28-8/8-11	01398-009	02/26/2003	19:35
SB-T28-37.5/37.5-	01398-012	02/26/2003	20:05

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2651.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.250
Chloromethane	ND		0.250
Vinyl Chloride	ND		0.250
Bromomethane	ND		0.250
Chloroethane	ND		0.250
Trichlorofluoromethane	ND		0.250
1,1-Dichloroethene	ND		0.250
Acetone	ND		0.500
Carbon Disulfide	ND		0.250
Methylene Chloride	ND		0.250
trans-1,2-Dichloroethene	ND		0.250
Methyl-t-Butyl Ether(MTBE)	ND		0.250
1,1-Dichloroethane	ND		0.250
cis-1,2-Dichloroethene	ND		0.250
2-Butanone(MEK)	ND		0.500
Bromochloromethane	ND		0.250
Chloroform	ND		0.250
1,1,1-Trichloroethane	ND		0.250
Carbon Tetrachloride	ND		0.250
1,2-Dichloroethane(EDC)	ND		0.250
Benzene	ND		0.250
Trichloroethene	ND		0.250
1,2-Dichloropropane	ND		0.250
Bromodichloromethane	ND		0.250
cis-1,3-Dichloropropene	ND		0.250
4-Methyl-2-pentanone(MIBK)	ND		0.500

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2651.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Toluene	ND		0.250
trans-1,3-Dichloropropene	ND		0.250
1,1,2-Trichloroethane	ND		0.250
Tetrachloroethene	ND		0.250
2-Hexanone	ND		0.500
Dibromochloromethane	ND		0.250
1,2-Dibromoethane(EDB)	ND		0.250
Chlorobenzene	ND		0.250
Ethylbenzene	ND		0.250
Total Xylenes	ND		0.250
Styrene	ND		0.250
Bromoform	ND		0.250
Isopropylbenzene	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.250
1,3-Dichlorobenzene	ND		0.250
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.250
1,2-Dibromo-3-chloropropane	ND		0.250
1,2,4-Trichlorobenzene	ND		0.250
1,2,3-Trichlorobenzene	ND		0.250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.250
Methyl Acetate	ND		0.250
Cyclohexane	ND		0.250
Methylcyclohexane	ND		0.250

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2651.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: I1261.D Instrument ID: MSD_I

Date Analyzed: 02/26/2003 Time Analyzed: 15:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FIELD_BLANK	01398-001	02/26/2003	16:04

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INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2661.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.005
Chloromethane	ND		0.005
Vinyl Chloride	ND		0.005
Bromomethane	ND		0.005
Chloroethane	ND		0.005
Trichlorofluoromethane	ND		0.005
1,1-Dichloroethene	ND		0.005
Acetone	ND		0.010
Carbon Disulfide	ND		0.005
Methylene Chloride	ND		0.005
trans-1,2-Dichloroethene	ND		0.005
Methyl-t-Butyl Ether(MTBE)	ND		0.005
1,1-Dichloroethane	ND		0.005
cis-1,2-Dichloroethene	ND		0.005
2-Butanone(MEK)	ND		0.010
Bromochloromethane	ND		0.005
Chloroform	ND		0.005
1,1,1-Trichloroethane	ND		0.005
Carbon Tetrachloride	ND		0.005
1,2-Dichloroethane(EDC)	ND		0.005
Benzene	ND		0.005
Trichloroethene	ND		0.005
1,2-Dichloropropane	ND		0.005
Bromodichloromethane	ND		0.005
cis-1,3-Dichloropropene	ND		0.005
4-Methyl-2-pentanone(MIBK)	ND		0.010

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2661.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppı
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	MDL
Toluene	ND		0.005
trans-1,3-Dichloropropene	ND		0.005
1,1,2-Trichloroethane	ND		0.005
Tetrachloroethene	ND		0.005
2-Hexanone	ND		0.010
Dibromochloromethane	ND		0.005
1,2-Dibromoethane(EDB)	ND		0.005
Chlorobenzene	ND		0.005
Ethylbenzene	ND		0.005
Total Xylenes	ND		0.005
Styrene	ND		0.005
Bromoform	ND		0.005
Isopropylbenzene	ND		0.005
1,1,2,2-Tetrachloroethane	ND		0.005
1,3-Dichlorobenzene	ND		0.005
1,4-Dichlorobenzene	ND		0.005
1,2-Dichlorobenzene	ND		0.005
1,2-Dibromo-3-chloropropane	ND		0.005
1,2,4-Trichlorobenzene	ND		0.005
1,2,3-Trichlorobenzene	ND		0.005
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.005
Methyl Acetate	ND		0.005
Cyclohexane	ND		0.005
Methylcyclohexane	ND		0.005

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: METHOD_BLK
Client ID: N/A
Date Received: NA
Date Analyzed: 02/26/2003
Data file: I2661.D

GC/MS Column: DB-624
Sample wt/vol: 5mL
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

VOLATILE METHOD BLANK SUMMARY

Lab File ID: F2589.D Instrument ID: MSD_F

Date Analyzed: 02/27/2003 Time Analyzed: 10:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS & MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LCS_S.S.	BLK-SPK	02/27/2003	11:07
TB022003	01337-013	02/27/2003	11:39
TRIP_BLANK	01430-001	02/27/2003	12:12
PEB-G6/10	01430-002	02/27/2003	12:44
B-1	01436-001	02/27/2003	13:16
B-2	01436-002	02/27/2003	13:49
B-4	01436-004	02/27/2003	14:54
WS-1/9.5-10	01337-001	02/27/2003	17:19
WS-3/8.0-8.5	01337-003	02/27/2003	17:52
MS	01430-002MS	02/27/2003	18:24
MSD	01430-002MSD	02/27/2003	18:57
SB-T28-15.5/15.5-16	01398-010	02/27/2003	19:29
SB-X13-8/8-8.5	01398-004	02/27/2003	20:02
SB-T28-28/28-28.5	01398-011	02/27/2003	20:34

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: BLK
Date Received:
Date Analyzed: 02/27/2003
Data file: F2589.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Dichlorodifluoromethane	ND		0.250
Chloromethane	ND		0.250
Vinyl Chloride	ND		0.250
Bromomethane	ND		0.250
Chloroethane	ND		0.250
Trichlorofluoromethane	ND		0.250
1,1-Dichloroethene	ND		0.250
Acetone	ND		0.500
Carbon Disulfide	ND		0.250
Methylene Chloride	ND		0.250
trans-1,2-Dichloroethene	ND		0.250
Methyl-t-Butyl Ether(MTBE)	ND		0.250
1,1-Dichloroethane	ND		0.250
cis-1,2-Dichloroethene	ND		0.250
2-Butanone(MEK)	ND		0.500
Bromochloromethane	ND		0.250
Chloroform	ND		0.250
1,1,1-Trichloroethane	ND		0.250
Carbon Tetrachloride	ND		0.250
1,2-Dichloroethane(EDC)	ND		0.250
Benzene	ND		0.250
Trichloroethene	ND		0.250
1,2-Dichloropropane	ND		0.250
Bromodichloromethane	ND		0.250
cis-1,3-Dichloropropene	ND		0.250
4-Methyl-2-pentanone(MIBK)	ND		0.500

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS

Client/Project:

Lab ID: METHOD-BLK
Client ID: BLK
Date Received:
Date Analyzed: 02/27/2003
Data file: F2589.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

Compound	Concentration	Q	MDL
Toluene	ND		0.250
trans-1,3-Dichloropropene	ND		0.250
1,1,2-Trichloroethane	ND		0.250
Tetrachloroethene	ND		0.250
2-Hexanone	ND		0.500
Dibromochloromethane	ND		0.250
1,2-Dibromoethane(EDB)	ND		0.250
Chlorobenzene	ND		0.250
Ethylbenzene	ND		0.250
Total Xylenes	ND		0.250
Styrene	ND		0.250
Bromoform	ND		0.250
Isopropylbenzene	ND		0.250
1,1,2,2-Tetrachloroethane	ND		0.250
1,3-Dichlorobenzene	ND		0.250
1,4-Dichlorobenzene	ND		0.250
1,2-Dichlorobenzene	ND		0.250
1,2-Dibromo-3-chloropropane	ND		0.250
1,2,4-Trichlorobenzene	ND		0.250
1,2,3-Trichlorobenzene	ND		0.250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.250
Methyl Acetate	ND		0.250
Cyclohexane	ND		0.250
Methylcyclohexane	ND		0.250

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

VOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project:

Lab ID: METHOD-BLK
Client ID: BLK
Date Received:
Date Analyzed: 02/27/2003
Date File: F2589.D

GC/MS Column: DB-624
Sample wt/vol: 0.1g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report 5970 - In

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:47:51 2003
Response via : Initial Calibration

Calibration Files
20 =I2449.D 50 =I2448.D 100 =I2445.D
150 =I2447.D 200 =I2446.D

		Compound (ppb)	20	50	100	150	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.480	0.507	0.505	0.489	0.488	0.494	2.41
3)	P	Chloromethane	0.302	0.300	0.278	0.269	0.267	0.283	5.86
4)	C	Vinyl Chloride	0.301	0.325	0.306	0.294	0.298	0.305	3.95
5)	T	Bromomethane	0.338	0.332	0.278	0.206	0.224	0.276	21.94
6)	T	Chloroethane	0.204	0.208	0.203	0.189	0.188	0.198	4.63
7)	T	Trichlorofluoromethan	0.606	0.651	0.673	0.611	0.634	0.635	4.38
8)	T	Acrolein	0.008	0.010	0.011	0.011	0.011	0.010	12.08
9)	MC	1,1-Dichloroethene	0.298	0.313	0.324	0.296	0.306	0.307	3.80
10)	T	Acetone	0.044	0.048	0.049	0.043	0.042	0.046	6.79
11)	T	Carbon Disulfide	0.822	0.915	0.925	0.843	0.855	0.872	5.24
12)	T	Vinyl Acetate	0.840	0.861	0.886	0.848	0.899	0.867	2.88
13)	T	Methylene Chloride	0.320	0.342	0.322	0.308	0.307	0.320	4.46
14)	T	Acrylonitrile	0.030	0.037	0.037	0.037	0.039	0.036	9.49
15)	T	tert-Butyl Alcohol(TB	0.007	0.010	0.012	0.011	0.011	0.010	15.53
16)	T	trans-1,2-Dichloroeth	0.345	0.378	0.379	0.353	0.358	0.362	4.24
17)	T	Methyl-t-Butyl Ether(	0.547	0.600	0.565	0.547	0.572	0.566	3.84
18)	P	1,1-Dichloroethane	0.686	0.684	0.684	0.658	0.667	0.676	1.88
19)	T	Diisopropyl Ether(DIP	0.986	0.981	0.952	0.945	0.942	0.961	2.15
20)	T	cis-1,2-Dichloroethen	0.345	0.365	0.378	0.355	0.359	0.360	3.44
21)	T	2,2-Dichloropropane	0.431	0.417	0.479	0.450	0.497	0.455	7.31
22)	T	2-Butanone(MEK)	0.071	0.061	0.058	0.065	0.069	0.065	8.58
23)	T	Bromochloromethane	0.198	0.200	0.198	0.193	0.198	0.198	1.45
25)	C	Chloroform	0.701	0.723	0.697	0.702	0.702	0.705	1.44
26)	T	1,1,1-Trichloroethane	0.536	0.568	0.568	0.560	0.569	0.560	2.49
27)	T	Carbon Tetrachloride	0.502	0.505	0.507	0.505	0.513	0.506	0.78
28)	T	1,1-Dichloropropene	0.485	0.492	0.484	0.477	0.480	0.484	1.21
29)	T	1,2-Dichloroethane(ED	0.380	0.389	0.372	0.367	0.386	0.379	2.51
30)	S	1,2-Dichloroethane-d4	0.353	0.363	0.391	0.398	0.419	0.385	6.95
31)	I	1,4-Difluorobenzene	----------ISTD----------						
32)	M	Benzene	0.828	0.810	0.750	0.791	0.786	0.793	3.69
33)	M	Trichloroethene	0.395	0.399	0.387	0.391	0.397	0.394	1.23
34)	C	1,2-Dichloropropane	0.381	0.369	0.345	0.365	0.365	0.365	3.52
35)	T	Dibromomethane	0.245	0.239	0.242	0.246	0.258	0.246	2.88
37)	T	Bromodichloromethane	0.578	0.572	0.576	0.580	0.614	0.584	2.90
38)	T	2-Chloroethylvinyl Et	0.019	0.021	0.028	0.022	0.034	0.025	24.93
39)	T	cis-1,3-Dichloroprope	0.435	0.440	0.448	0.452	0.477	0.450	3.64
40)	T	4-Methyl-2-pentanone(	0.165	0.162	0.162	0.171	0.184	0.169	5.42
41)	S	Toluene-d8	0.893	0.861	0.792	0.877	0.867	0.858	4.50
42)	MC	Toluene	0.542	0.542	0.513	0.516	0.530	0.528	2.62
43)	T	trans-1,3-Dichloropro	0.322	0.319	0.341	0.343	0.370	0.339	6.00
44)	T	1,1,2-Trichloroethane	0.218	0.218	0.213	0.213	0.225	0.218	2.31
45)	T	Tetrachloroethene	0.412	0.410	0.400	0.381	0.404	0.402	3.11
46)	T	1,3-Dichloropropane	0.364	0.356	0.356	0.345	0.380	0.360	3.59
47)	T	2-Hexanone	0.097	0.103	0.097	0.109	0.115	0.104	7.50
48)	T	Dibromochloromethane	0.364	0.380	0.389	0.391	0.434	0.392	6.67
49)	T	1,2-Dibromoethane(EDB	0.290	0.284	0.299	0.295	0.320	0.298	4.57

50)	I	Chlorobenzene-d5	----------ISTD----------						
51)	MP	Chlorobenzene	0.853	0.834	0.800	0.823	0.823	0.827	2.37
52)	T	1,1,1,2-Tetrachloroet	0.446	0.434	0.423	0.436	0.443	0.436	2.05
53)	C	Ethylbenzene	1.169	1.159	1.112	1.113	1.117	1.134	2.45
54)	T	m,p-Xylene	0.427	0.427	0.401	0.416	0.391	0.412	3.93
55)	T	o-Xylene	0.441	0.415	0.403	0.408	0.408	0.415	3.64
56)	T	Styrene	0.663	0.674	0.684	0.713	0.702	0.687	2.97
57)	P	Bromoform	0.306	0.320	0.348	0.353	0.372	0.340	7.85
58)	T	Isopropylbenzene	0.976	0.953	0.897	0.921	0.907	0.931	3.53
59)	S	Bromofluorobenzene	0.831	0.771	0.728	0.789	0.772	0.778	4.77
60)	P	1,1,2,2-Tetrachloroet	0.373	0.370	0.378	0.382	0.396	0.380	2.72
61)	T	Bromobenzene	0.428	0.401	0.396	0.407	0.408	0.408	2.99
62)	T	1,2,3-Trichloropropan	0.314	0.286	0.284	0.284	0.300	0.294	4.49
63)	T	n-Propylbenzene	1.127	1.129	1.075	1.123	1.100	1.111	2.05
64)	T	2-Chlorotoluene	0.950	0.902	0.859	0.877	0.874	0.893	3.98
65)	T	1,3,5-Trimethylbenzen	0.760	0.752	0.725	0.740	0.713	0.738	2.62
66)	T	4-Chlorotoluene	1.008	1.014	0.980	0.968	0.995	0.993	1.91
67)	T	tert-Butylbenzene	0.791	0.763	0.724	0.720	0.710	0.742	4.62
68)	T	1,2,4-Trimethylbenzen	0.758	0.769	0.717	0.772	0.717	0.747	3.67
69)	T	sec-Butylbenzene	0.927	0.922	0.864	0.891	0.836	0.888	4.33
70)	T	1,3-Dichlorobenzene	0.542	0.538	0.515	0.523	0.511	0.526	2.65
71)	T	4-Isopropyltoluene	0.767	0.727	0.707	0.698	0.685	0.717	4.48
72)	T	1,4-Dichlorobenzene	0.615	0.607	0.589	0.589	0.593	0.599	1.96
73)	T	n-Butylbenzene	0.740	0.721	0.701	0.707	0.674	0.709	3.45
74)	T	1,2-Dichlorobenzene	0.507	0.507	0.506	0.481	0.506	0.501	2.28
75)	T	1,2-Dibromo-3-chlorop	0.058	0.062	0.059	0.059	0.067	0.061	5.85
76)	T	1,2,4-Trichlorobenzen	0.346	0.323	0.308	0.316	0.321	0.323	4.38
77)	T	Hexachlorobutadiene	0.323	0.294	0.257	0.264	0.252	0.278	10.70
78)	T	Naphthalene	0.445	0.422	0.367	0.393	0.416	0.409	7.27
79)	T	1,2,3-Trichlorobenzen	0.306	0.270	0.246	0.249	0.253	0.265	9.39
80)	T	1,1,2-Trichloro-1,2,2	0.633	0.646	0.651	0.597	0.604	0.627	3.92
81)	T	Methyl Acetate	0.148	0.142	0.148	0.154	0.158	0.150	4.13
82)	T	Cyclohexane	0.295	0.305	0.275	0.285	0.271	0.286	4.94
83)	T	Methylcyclohexane	0.306	0.302	0.290	0.291	0.287	0.295	2.80

(#) = Out of Range

IME0214.M Fri Feb 14 14:47:59 2003 MSD_I

Instrument ID: MSD_I
Method ID: IME0214.M
Date: 02/14/2003

Average %RSD = 4.99

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2497.D Vial: 28
Acq On : 19 Feb 2003 1:44 Operator: DPEI
Sample : 100,100_PPB_STD,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	93	0.04
2	T	Dichlorodifluoromethane	0.494	0.472	4.5	87	0.03
3	P	Chloromethane	0.283	0.282	0.4	95	0.02
4	C	Vinyl Chloride	0.305	0.287	5.9	88	0.03
5	T	Bromomethane	0.276	0.280	-1.4	94	0.02
6	T	Chloroethane	0.198	0.187	5.6	86	0.03
7	T	Trichlorofluoromethane	0.635	0.525	17.3	73	0.05
8	T	Acrolein	0.010	0.007	30.0	57	0.06
9	MC	1,1-Dichloroethene	0.307	0.292	4.9	84	0.05
10	T	Acetone	0.046	0.038	17.4	71	0.04
11	T	Carbon Disulfide	0.872	0.896	-2.8	90	0.04
12	T	Vinyl Acetate	0.867	0.677	21.9	71	0.07
13	T	Methylene Chloride	0.320	0.316	1.3	92	0.06
14	T	Acrylonitrile	0.036	0.031	13.9	79	0.05
15	T	tert-Butyl Alcohol(TBA)	0.010	0.007	30.0	60	0.06
16	T	trans-1,2-Dichloroethene	0.362	0.356	1.7	88	0.06
17	T	Methyl-t-Butyl Ether(MTBE)	0.566	0.508	10.2	84	0.04
18	P	1,1-Dichloroethane	0.676	0.693	-2.5	95	0.04
19	T	Diisopropyl Ether(DIPE)	0.961	0.962	-0.1	94	0.05
20	T	cis-1,2-Dichloroethene	0.360	0.352	2.2	87	0.03
21	T	2,2-Dichloropropane	0.455	0.327	28.1	64	0.03
22	T	2-Butanone(MEK)	0.065	0.056	13.8	90	0.02
23	T	Bromochloromethane	0.198	0.189	4.5	89	0.05
25	C	Chloroform	0.705	0.738	-4.7	99	0.03
26	T	1,1,1-Trichloroethane	0.560	0.554	1.1	91	0.05
27	T	Carbon Tetrachloride	0.506	0.487	3.8	90	0.04
28	T	1,1-Dichloropropene	0.484	0.488	-0.8	94	0.05
29	T	1,2-Dichloroethane(EDC)	0.379	0.367	3.2	92	0.04
30	S	1,2-Dichloroethane-d4	0.385	0.347	9.9	83	0.04
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.04
32	M	Benzene	0.793	0.858	-8.2	103	0.04
33	M	Trichloroethene	0.394	0.407	-3.3	95	0.05
34	C	1,2-Dichloropropane	0.365	0.376	-3.0	98	0.03
35	T	Dibromomethane	0.246	0.230	6.5	85	0.04
37	T	Bromodichloromethane	0.584	0.586	-0.3	91	0.04
38	T	2-Chloroethylvinyl Ether	0.025	0.021	16.0	65	0.09
39	T	cis-1,3-Dichloropropene	0.450	0.433	3.8	87	0.03
40	T	4-Methyl-2-pentanone(MIBK)	0.169	0.149	11.8	83	0.04
41	S	Toluene-d8	0.858	0.894	-4.2	101	0.04
42	MC	Toluene	0.528	0.540	-2.3	95	0.05
43	T	trans-1,3-Dichloropropene	0.339	0.307	9.4	81	0.04
44	T	1,1,2-Trichloroethane	0.218	0.205	6.0	87	0.04
45	T	Tetrachloroethene	0.402	0.402	0.0	90	0.05
46	T	1,3-Dichloropropane	0.360	0.335	6.9	85	0.05

47	T	2-Hexanone	0.104	0.093	10.6	86	0.05
48	T	Dibromochloromethane	0.392	0.370	5.6	85	0.05
49	T	1,2-Dibromoethane(EDB)	0.298	0.266	10.7	80	0.06
50	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.05
51	MP	Chlorobenzene	0.827	0.792	4.2	92	0.05
52	T	1,1,1,2-Tetrachloroethane	0.436	0.425	2.5	93	0.06
53	C	Ethylbenzene	1.134	1.122	1.1	94	0.06
54	T	m,p-Xylene	0.412	0.429	-4.1	99	0.05
55	T	o-Xylene	0.415	0.430	-3.6	99	0.05
56	T	Styrene	0.687	0.696	-1.3	95	0.05
57	P	Bromoform	0.340	0.298	12.4	79	0.04
58	T	Isopropylbenzene	0.931	0.962	-3.3	100	0.05
59	S	Bromofluorobenzene	0.778	0.744	4.4	95	0.06
60	P	1,1,2,2-Tetrachloroethane	0.380	0.320	15.8	79	0.06
61	T	Bromobenzene	0.408	0.393	3.7	92	0.05
62	T	1,2,3-Trichloropropane	0.294	0.261	11.2	85	0.05
63	T	n-Propylbenzene	1.111	1.118	-0.6	96	0.06
64	T	2-Chlorotoluene	0.893	0.868	2.8	94	0.06
65	T	1,3,5-Trimethylbenzene	0.738	0.788	-6.8	101	0.04
66	T	4-Chlorotoluene	0.993	0.987	0.6	94	0.04
67	T	tert-Butylbenzene	0.742	0.729	1.8	93	0.06
68	T	1,2,4-Trimethylbenzene	0.747	0.789	-5.6	102	0.04
69	T	sec-Butylbenzene	0.888	0.864	2.7	93	0.05
70	T	1,3-Dichlorobenzene	0.526	0.471	10.5	85	0.04
71	T	4-Isopropyltoluene	0.717	0.676	5.7	89	0.05
72	T	1,4-Dichlorobenzene	0.599	0.559	6.7	88	0.05
73	T	n-Butylbenzene	0.709	0.707	0.3	94	0.06
74	T	1,2-Dichlorobenzene	0.501	0.499	0.4	92	0.06
75	T	1,2-Dibromo-3-chloropropane	0.061	0.043	29.5	67	0.04
76	T	1,2,4-Trichlorobenzene	0.323	0.255	21.1	77	0.07
77	T	Hexachlorobutadiene	0.278	0.226	18.7	82	0.07
78	T	Naphthalene	0.409	0.453	-10.8	115	0.05
79	T	1,2,3-Trichlorobenzene	0.265	0.210	20.8	79	0.08
80	T	1,1,2-Trichloro-1,2,2-trifl	0.627	0.456	27.3	65	0.04
81	T	Methyl Acetate	0.150	0.124	17.3	78	0.05
82	T	Cyclohexane	0.286	0.241	15.7	82	0.03
83	T	Methylcyclohexane	0.295	0.223	24.4	71	0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0

I2445.D IME0214.M Wed Feb 19 10:25:28 2003 MSD_I

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2650.D Vial: 1
Acq On : 26 Feb 2003 10:04 Operator: DPEI
Sample : 100,100_PPB_STD,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Fri Feb 14 14:49:52 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.02
2	T	Dichlorodifluoromethane	0.494	0.513	-3.8	97	0.02
3	P	Chloromethane	0.283	0.324	-14.5	112	0.01
4	C	Vinyl Chloride	0.305	0.348	-14.1	109	0.02
5	T	Bromomethane	0.276	0.304	-10.1	104	0.02
6	T	Chloroethane	0.198	0.203	-2.5	96	0.03
7	T	Trichlorofluoromethane	0.635	0.681	-7.2	97	0.04
8	T	Acrolein	0.010	0.007	30.0	56	0.04
9	MC	1,1-Dichloroethene	0.307	0.324	-5.5	95	0.03
10	T	Acetone	0.046	0.051	-10.9	99	0.03
11	T	Carbon Disulfide	0.872	0.939	-7.7	97	0.03
12	T	Vinyl Acetate	0.867	0.759	12.5	82	0.05
13	T	Methylene Chloride	0.320	0.325	-1.6	96	0.05
14	T	Acrylonitrile	0.036	0.031	13.9	82	0.00
15	T	tert-Butyl Alcohol(TBA)	0.010	0.008	20.0	69	0.04
16	T	trans-1,2-Dichloroethene	0.362	0.388	-7.2	98	0.03
17	T	Methyl-t-Butyl Ether(MTBE)	0.566	0.515	9.0	87	0.03
18	P	1,1-Dichloroethane	0.676	0.733	-8.4	102	0.02
19	T	Diisopropyl Ether(DIPE)	0.961	1.013	-5.4	102	0.02
20	T	cis-1,2-Dichloroethene	0.360	0.379	-5.3	96	0.02
21	T	2,2-Dichloropropane	0.455	0.404	11.2	80	0.02
22	T	2-Butanone(MEK)	0.065	0.056	13.8	93	0.00
23	T	Bromochloromethane	0.198	0.192	3.0	93	0.02
25	C	Chloroform	0.705	0.778	-10.4	107	0.03
26	T	1,1,1-Trichloroethane	0.560	0.630	-12.5	106	0.03
27	T	Carbon Tetrachloride	0.506	0.548	-8.3	103	0.02
28	T	1,1-Dichloropropene	0.484	0.544	-12.4	107	0.02
29	T	1,2-Dichloroethane(EDC)	0.379	0.385	-1.6	99	0.03
30	S	1,2-Dichloroethane-d4	0.385	0.310	19.5	76	0.02
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.02
32	M	Benzene	0.793	0.855	-7.8	109	0.03
33	M	Trichloroethene	0.394	0.420	-6.6	104	0.02
34	C	1,2-Dichloropropane	0.365	0.382	-4.7	106	0.00
35	T	Dibromomethane	0.246	0.228	7.3	90	0.02
37	T	Bromodichloromethane	0.584	0.606	-3.8	101	0.02
38	T	2-Chloroethylvinyl Ether	0.025	0.020	20.0	67	0.08
39	T	cis-1,3-Dichloropropene	0.450	0.446	0.9	95	0.00
40	T	4-Methyl-2-pentanone(MIBK)	0.169	0.146	13.6	86	0.02
41	S	Toluene-d8	0.858	0.737	14.1	89	0.00
42	MC	Toluene	0.528	0.560	-6.1	104	0.02
43	T	trans-1,3-Dichloropropene	0.339	0.318	6.2	89	0.02
44	T	1,1,2-Trichloroethane	0.218	0.202	7.3	90	0.01
45	T	Tetrachloroethene	0.402	0.438	-9.0	104	0.01
46	T	1,3-Dichloropropane	0.360	0.339	5.8	91	0.02

47	T	2-Hexanone	0.104	0.088	15.4	86	0.01
48	T	Dibromochloromethane	0.392	0.379	3.3	93	0.01
49	T	1,2-Dibromoethane(EDB)	0.298	0.259	13.1	82	0.02
50	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.02
51	MP	Chlorobenzene	0.827	0.854	-3.3	101	0.02
52	T	1,1,1,2-Tetrachloroethane	0.436	0.445	-2.1	100	0.02
53	C	Ethylbenzene	1.134	1.257	-10.8	107	0.02
54	T	m,p-Xylene	0.412	0.457	-10.9	108	0.02
55	T	o-Xylene	0.415	0.436	-5.1	102	0.00
56	T	Styrene	0.687	0.712	-3.6	98	0.00
57	P	Bromoform	0.340	0.314	7.6	85	0.00
58	T	Isopropylbenzene	0.931	1.032	-10.8	109	0.02
59	S	Bromofluorobenzene	0.778	0.703	9.6	91	0.02
60	P	1,1,2,2-Tetrachloroethane	0.380	0.331	12.9	83	0.02
61	T	Bromobenzene	0.408	0.392	3.9	94	0.01
62	T	1,2,3-Trichloropropane	0.294	0.276	6.1	92	0.01
63	T	n-Propylbenzene	1.111	1.296	-16.7	114	0.02
64	T	2-Chlorotoluene	0.893	0.992	-11.1	109	0.02
65	T	1,3,5-Trimethylbenzene	0.738	0.841	-14.0	109	0.00
66	T	4-Chlorotoluene	0.993	1.081	-8.9	104	0.00
67	T	tert-Butylbenzene	0.742	0.831	-12.0	108	0.03
68	T	1,2,4-Trimethylbenzene	0.747	0.830	-11.1	109	0.00
69	T	sec-Butylbenzene	0.888	1.029	-15.9	112	0.03
70	T	1,3-Dichlorobenzene	0.526	0.532	-1.1	98	0.00
71	T	4-Isopropyltoluene	0.717	0.826	-15.2	110	0.02
72	T	1,4-Dichlorobenzene	0.599	0.620	-3.5	99	0.02
73	T	n-Butylbenzene	0.709	0.844	-19.0	114	0.02
74	T	1,2-Dichlorobenzene	0.501	0.487	2.8	91	0.02
75	T	1,2-Dibromo-3-chloropropane	0.061	0.066	-8.2	106	0.00
76	T	1,2,4-Trichlorobenzene	0.323	0.315	2.5	97	0.03
77	T	Hexachlorobutadiene	0.278	0.262	5.8	96	0.03
78	T	Naphthalene	0.409	0.384	6.1	99	0.03
79	T	1,2,3-Trichlorobenzene	0.265	0.226	14.7	87	0.03
80	T	1,1,2-Trichloro-1,2,2-trifl	0.627	0.666	-6.2	96	0.03
81	T	Methyl Acetate	0.150	0.143	4.7	91	0.02
82	T	Cyclohexane	0.286	0.348	-21.7	120	0.03
83	T	Methylcyclohexane	0.295	0.365	-23.7	119	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

I2445.D IME0214.M Wed Feb 26 10:27:29 2003 MSD_I

Response Factor Report 5970 - In

Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Feb 19 15:53:24 2003
Response via : Initial Calibration

Calibration Files
20 =F2443.D 50 =F2442.D 100 =F2444.D
150 =F2441.D 200 =F2440.D

		Compound (ppb)	20	50	100	150	200	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluorometha	0.360	0.338	0.362	0.274	0.297	0.326	11.96
3)	P	Chloromethane	0.398	0.332	0.369	0.293	0.313	0.341	12.42
4)	C	Vinyl Chloride	0.472	0.387	0.486	0.391	0.439	0.435	10.44
5)	T	Bromomethane	0.424	0.324	0.386	0.282	0.287	0.340	18.41
6)	T	Chloroethane	0.312	0.246	0.294	0.218	0.228	0.260	16.02
7)	T	Trichlorofluoromethan	0.653	0.536	0.639	0.461	0.527	0.563	14.35
8)	T	Acrolein	0.018	0.014	0.018	0.018	0.019	0.017	10.85
9)	MC	1,1-Dichloroethene	0.436	0.368	0.423	0.360	0.361	0.390	9.54
10)	T	Acetone	0.519	0.436	0.534	0.422	0.406	0.463	12.69
11)	T	Carbon Disulfide	1.280	1.160	1.351	1.124	1.206	1.224	7.50
12)	T	Vinyl Acetate	2.404	2.100	2.123	2.121	2.028	2.155	6.69
13)	T	Methylene Chloride	0.496	0.416	0.485	0.406	0.407	0.442	10.14
14)	T	Acrylonitrile	0.118	0.104	0.109	0.101	0.095	0.106	8.16
15)	T	tert-Butyl Alcohol(TB	0.039	0.038	0.046	0.036	0.034	0.038	11.70
16)	T	trans-1,2-Dichloroeth	0.497	0.440	0.479	0.414	0.410	0.448	8.70
17)	T	Methyl-t-Butyl Ether(	1.255	1.056	1.168	1.011	0.981	1.094	10.47
18)	P	1,1-Dichloroethane	1.147	0.990	0.964	0.934	0.901	0.987	9.67
19)	T	Diisopropyl Ether(DIP	2.245	1.957	1.877	1.903	1.848	1.966	8.18
20)	T	cis-1,2-Dichloroethen	0.510	0.488	0.472	0.470	0.457	0.480	4.25
21)	T	2,2-Dichloropropane	0.605	0.613	0.583	0.527	0.555	0.577	6.16
22)	T	2-Butanone(MEK)	0.223	0.216	0.218	0.210	0.199	0.213	4.33
23)	T	Bromochloromethane	0.302	0.289	0.287	0.275	0.269	0.284	4.45
25)	C	Chloroform	0.908	0.904	0.859	0.870	0.830	0.874	3.71
26)	T	1,1,1-Trichloroethane	0.607	0.641	0.609	0.603	0.589	0.610	3.11
27)	T	Carbon Tetrachloride	0.440	0.485	0.460	0.444	0.438	0.453	4.30
28)	T	1,1-Dichloropropene	0.649	0.700	0.656	0.663	0.647	0.663	3.26
29)	T	1,2-Dichloroethane(ED	0.634	0.656	0.632	0.646	0.620	0.638	2.16
30)	S	1,2-Dichloroethane-d4	0.379	0.438	0.446	0.498	0.528	0.458	12.64
31)	I	1,4-Difluorobenzene	----------ISTD----------						
32)	M	Benzene	1.252	1.208	1.144	1.126	1.071	1.160	6.08
33)	M	Trichloroethene	0.478	0.451	0.453	0.444	0.421	0.450	4.57
34)	C	1,2-Dichloropropane	0.580	0.543	0.535	0.526	0.499	0.537	5.48
35)	T	Dibromomethane	0.374	0.347	0.360	0.340	0.330	0.350	4.92
37)	T	Bromodichloromethane	0.686	0.652	0.688	0.670	0.642	0.668	3.03
38)	T	2-Chloroethylvinyl Et	0.258	0.249	0.279	0.265	0.259	0.262	4.23
39)	T	cis-1,3-Dichloroprope	0.739	0.699	0.743	0.719	0.708	0.722	2.69
40)	T	4-Methyl-2-pentanone(	0.605	0.553	0.602	0.555	0.522	0.568	6.21
41)	S	Toluene-d8	0.835	0.818	0.885	0.877	0.875	0.858	3.45
42)	MC	Toluene	0.779	0.708	0.753	0.710	0.707	0.731	4.52
43)	T	trans-1,3-Dichloropro	0.602	0.575	0.627	0.614	0.590	0.602	3.40
44)	T	1,1,2-Trichloroethane	0.387	0.349	0.372	0.357	0.339	0.361	5.25
45)	T	Tetrachloroethene	0.436	0.404	0.433	0.391	0.387	0.410	5.63
46)	T	1,3-Dichloropropane	0.735	0.653	0.669	0.633	0.595	0.657	7.83
47)	T	2-Hexanone	0.413	0.351	0.409	0.384	0.362	0.384	7.16
48)	T	Dibromochloromethane	0.506	0.428	0.532	0.497	0.491	0.491	7.82
49)	T	1,2-Dibromoethane(EDB	0.517	0.465	0.525	0.496	0.481	0.497	5.06

50)	I	Chlorobenzene-d5	----------ISTD----------						
51)	MP	Chlorobenzene	1.175	1.079	1.055	1.046	0.991	1.069	6.32
52)	T	1,1,1,2-Tetrachloroet	0.535	0.505	0.498	0.485	0.443	0.493	6.79
53)	C	Ethylbenzene	1.990	1.853	1.806	1.755	1.636	1.808	7.20
54)	T	m,p-Xylene	0.660	0.616	0.594	0.571	0.530	0.594	8.18
55)	T	o-Xylene	0.674	0.546	0.588	0.558	0.524	0.578	10.07
56)	T	Styrene	1.122	0.954	1.068	0.999	0.927	1.014	7.93
57)	P	Bromoform	0.505	0.449	0.518	0.477	0.449	0.480	6.61
58)	T	Isopropylbenzene	1.645	1.384	1.568	1.503	1.476	1.515	6.48
59)	S	Bromofluorobenzene	0.846	0.751	0.866	0.850	0.868	0.836	5.78
60)	P	1,1,2,2-Tetrachloroet	0.875	0.688	0.802	0.723	0.668	0.751	11.45
61)	T	Bromobenzene	0.580	0.476	0.540	0.478	0.449	0.505	10.64
62)	T	1,2,3-Trichloropropan	0.760	0.571	0.661	0.613	0.571	0.635	12.45
63)	T	n-Propylbenzene	2.155	1.816	2.006	1.974	1.862	1.963	6.79
64)	T	2-Chlorotoluene	1.641	1.290	1.509	1.434	1.407	1.456	8.93
65)	T	1,3,5-Trimethylbenzen	1.368	1.142	1.252	1.189	1.145	1.219	7.73
66)	T	4-Chlorotoluene	1.792	1.473	1.634	1.539	1.486	1.585	8.33
67)	T	tert-Butylbenzene	1.304	1.070	1.170	1.117	1.088	1.150	8.18
68)	T	1,2,4-Trimethylbenzen	1.368	1.142	1.252	1.189	1.145	1.219	7.73
69)	T	sec-Butylbenzene	1.581	1.389	1.511	1.463	1.477	1.484	4.71
70)	T	1,3-Dichlorobenzene	0.901	0.746	0.832	0.771	0.747	0.800	8.36
71)	T	4-Isopropyltoluene	1.304	1.070	1.170	1.117	1.088	1.150	8.18
72)	T	1,4-Dichlorobenzene	0.966	0.777	0.911	0.844	0.822	0.864	8.64
73)	T	n-Butylbenzene	1.280	1.051	1.164	1.108	1.084	1.137	7.89
74)	T	1,2-Dichlorobenzene	0.893	0.718	0.811	0.736	0.720	0.775	9.78
75)	T	1,2-Dibromo-3-chlorop	0.160	0.126	0.165	0.144	0.144	0.148	10.23
76)	T	1,2,4-Trichlorobenzen	0.525	0.416	0.487	0.417	0.440	0.457	10.45
77)	T	Hexachlorobutadiene	0.276	0.223	0.245	0.233	0.233	0.242	8.61
78)	T	Naphthalene	1.040	0.803	0.944	0.806	0.815	0.882	12.06
79)	T	1,2,3-Trichlorobenzen	0.467	0.351	0.401	0.337	0.355	0.382	13.88
80)	T	1,1,2-Trichloro-1,2,2	0.760	0.638	0.665	0.566	0.495	0.625	16.06
81)	T	Methyl Acetate	0.448	0.501	0.562	0.434	0.393	0.468	13.99
82)	T	Cyclohexane	0.519	0.568	0.473	0.446	0.419	0.485	12.19
83)	T	Methylcyclohexane	0.585	0.646	0.532	0.556	0.527	0.569	8.56

(#) = Out of Range

FME0219.M Wed Feb 19 15:53:36 2003 MSD_F

Instrument ID: MSD_F
Method ID: FME0219.M
Date: 02/19/2003

Average %RSD = 8.17

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2587.D Vial: 2
Acq On : 27 Feb 2003 9:30 Operator: DSN
Sample : 100,100_PPB_STD,W,5ml,100 Inst : 5970 - In
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Last Update : Wed Feb 19 15:53:24 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	59	-0.06
2	T	Dichlorodifluoromethane	0.326	0.341	-4.6	56	-0.03
3	P	Chloromethane	0.341	0.320	6.2	52	-0.09
4	C	Vinyl Chloride	0.435	0.412	5.3	50	-0.06
5	T	Bromomethane	0.340	0.326	4.1	50	-0.07
6	T	Chloroethane	0.260	0.248	4.6	50	-0.06
7	T	Trichlorofluoromethane	0.563	0.563	0.0	52	-0.06
8	T	Acrolein	0.017	0.016	5.9	53	-0.06
9	MC	1,1-Dichloroethene	0.390	0.374	4.1	53	-0.07
10	T	Acetone	0.463	0.491	-6.0	55	-0.07
11	T	Carbon Disulfide	1.224	1.225	-0.1	54	-0.07
12	T	Vinyl Acetate	2.155	2.160	-0.2	61	-0.07
13	T	Methylene Chloride	0.442	0.438	0.9	54	-0.07
14	T	Acrylonitrile	0.106	0.095	10.4	52	-0.06
15	T	tert-Butyl Alcohol(TBA)	0.038	0.039	-2.6	50	-0.09
16	T	trans-1,2-Dichloroethene	0.448	0.464	-3.6	58	-0.07
17	T	Methyl-t-Butyl Ether(MTBE)	1.094	1.000	8.6	51	-0.06
18	P	1,1-Dichloroethane	0.987	1.007	-2.0	62	-0.06
19	T	Diisopropyl Ether(DIPE)	1.966	2.112	-7.4	67	-0.06
20	T	cis-1,2-Dichloroethene	0.480	0.506	-5.4	64	-0.07
21	T	2,2-Dichloropropane	0.577	0.596	-3.3	61	-0.09
22	T	2-Butanone(MEK)	0.213	0.217	-1.9	59	-0.06
23	T	Bromochloromethane	0.284	0.276	2.8	57	-0.06
25	C	Chloroform	0.874	0.951	-8.8	66	-0.06
26	T	1,1,1-Trichloroethane	0.610	0.662	-8.5	65	-0.04
27	T	Carbon Tetrachloride	0.453	0.488	-7.7	63	-0.06
28	T	1,1-Dichloropropene	0.663	0.744	-12.2	67	-0.06
29	T	1,2-Dichloroethane(EDC)	0.638	0.691	-8.3	65	-0.07
30	S	1,2-Dichloroethane-d4	0.458	0.487	-6.3	65	-0.06
31	I	1,4-Difluorobenzene	1.000	1.000	0.0	64	-0.07
32	M	Benzene	1.160	1.233	-6.3	69	-0.06
33	M	Trichloroethene	0.450	0.486	-8.0	69	-0.07
34	C	1,2-Dichloropropane	0.537	0.564	-5.0	67	-0.07
35	T	Dibromomethane	0.350	0.341	2.6	61	-0.07
37	T	Bromodichloromethane	0.668	0.729	-9.1	68	-0.07
38	T	2-Chloroethylvinyl Ether	0.262	0.242	7.6	56	-0.05
39	T	cis-1,3-Dichloropropene	0.722	0.742	-2.8	64	-0.05
40	T	4-Methyl-2-pentanone(MIBK)	0.568	0.500	12.0	53	-0.07
41	S	Toluene-d8	0.858	0.916	-6.8	66	-0.07
42	MC	Toluene	0.731	0.795	-8.8	68	-0.05
43	T	trans-1,3-Dichloropropene	0.602	0.610	-1.3	62	-0.07
44	T	1,1,2-Trichloroethane	0.361	0.367	-1.7	63	-0.07
45	T	Tetrachloroethene	0.410	0.428	-4.4	63	-0.07
46	T	1,3-Dichloropropane	0.657	0.680	-3.5	65	-0.05

47	T	2-Hexanone	0.384	0.345	10.2	54	-0.07
48	T	Dibromochloromethane	0.491	0.514	-4.7	62	-0.07
49	T	1,2-Dibromoethane(EDB)	0.497	0.508	-2.2	62	-0.07
50	I	Chlorobenzene-d5	1.000	1.000	0.0	70	-0.07
51	MP	Chlorobenzene	1.069	1.034	3.3	69	-0.07
52	T	1,1,1,2-Tetrachloroethane	0.493	0.462	6.3	65	-0.08
53	C	Ethylbenzene	1.808	1.743	3.6	68	-0.07
54	T	m,p-Xylene	0.594	0.571	3.9	67	-0.07
55	T	o-Xylene	0.578	0.557	3.6	66	-0.07
56	T	Styrene	1.014	1.018	-0.4	67	-0.07
57	P	Bromoform	0.480	0.426	11.2	58	-0.07
58	T	Isopropylbenzene	1.515	1.473	2.8	66	-0.08
59	S	Bromofluorobenzene	0.836	0.862	-3.1	70	-0.08
60	P	1,1,2,2-Tetrachloroethane	0.751	0.659	12.3	58	-0.07
61	T	Bromobenzene	0.505	0.493	2.4	64	-0.06
62	T	1,2,3-Trichloropropane	0.635	0.564	11.2	60	-0.06
63	T	n-Propylbenzene	1.963	1.971	-0.4	69	-0.06
64	T	2-Chlorotoluene	1.456	1.461	-0.3	68	-0.06
65	T	1,3,5-Trimethylbenzene	1.219	1.202	1.4	67	-0.06
66	T	4-Chlorotoluene	1.585	1.566	1.2	67	-0.08
67	T	tert-Butylbenzene	1.150	1.109	3.6	67	-0.08
68	T	1,2,4-Trimethylbenzene	1.219	1.202	1.4	67	-0.06
69	T	sec-Butylbenzene	1.484	1.467	1.1	68	-0.06
70	T	1,3-Dichlorobenzene	0.800	0.761	4.9	64	-0.06
71	T	4-Isopropyltoluene	1.150	1.109	3.6	67	-0.08
72	T	1,4-Dichlorobenzene	0.864	0.820	5.1	63	-0.06
73	T	n-Butylbenzene	1.137	1.156	-1.7	70	-0.08
74	T	1,2-Dichlorobenzene	0.775	0.728	6.1	63	-0.08
75	T	1,2-Dibromo-3-chloropropane	0.148	0.119	19.6	51	-0.08
76	T	1,2,4-Trichlorobenzene	0.457	0.368	19.5	53	-0.08
77	T	Hexachlorobutadiene	0.242	0.230	5.0	66	-0.09
78	T	Naphthalene	0.882	0.750	15.0	56	-0.09
79	T	1,2,3-Trichlorobenzene	0.382	0.290	24.1	51	-0.09
80	T	1,1,2-Trichloro-1,2,2-trifl	0.625	0.527	15.7	56	-0.06
81	T	Methyl Acetate	0.468	0.431	7.9	54	-0.07
82	T	Cyclohexane	0.485	0.453	6.6	67	-0.06
83	T	Methylcyclohexane	0.569	0.576	-1.2	76	-0.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0

F2444.D FME0219.M Thu Feb 27 10:42:20 2003 MSD_F

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/19/2003

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD_BLK	SOIL	I2499.D	78	103	90
METHOD_BLK	AQUEOUS	I2500.D	77	105	88
BLK_SPK	SOIL	I2501.D	84	104	91
BLK_MS	AQUEOUS	I2502.D	75	104	86
BLK_MSD	AQUEOUS	I2503.D	74	105	85
01235-010	AQUEOUS	I2504.D	74	103	84
01235-011	MEOH	I2505.D	71	91	63
01235-001	MEOH	I2506.D	70	88	64
01235-002	MEOH	I2507.D	66	84	62
01235-003	MEOH	I2508.D	68	86	62
01235-004	MEOH	I2509.D	70	89	63
01235-005	MEOH	I2510.D	67	84	64
01235-008	MEOH	I2513.D	68	86	64
01235-009	MEOH	I2514.D	71	87	67
01235-009MS	MEOH	I2515.D	79	91	71
01235-009MSD	MEOH	I2516.D	80	89	72
01235-006	MEOH	I2517.D	74	87	66
01235-007	MEOH	I2518.D	74	79	65

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	65-115	54-122
SMC2 = Toluene-d8	50 ppb	68-128	60-120
SMC3 = Bromofluorobenzene	50 ppb	45-133	73-130

Column to be used to flag recovery values

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD_BLK	SOIL	I2651.D	75	91	88
BLK_SPK	SOIL	I2652.D	83	90	95
01396-001	MEOH	I2653.D	78	87	82
01396-002	MEOH	I2654.D	70	79	74
01396-003	MEOH	I2655.D	75	83	77
01396-004	MEOH	I2656.D	71	78	76
01396-005	MEOH	I2657.D	73	80	78
01396-006	MEOH	I2658.D	75	78	76
01396-002MS	MEOH	I2659.D	75	83	81
01396-002MSD	MEOH	I2660.D	74	83	79
METHOD_BLK	AQUEOUS	I2661.D	89	92	84
01398-001	AQUEOUS	I2662.D	89	92	85
01398-002	MEOH	I2663.D	87	91	85
01398-003	MEOH	I2664.D	84	90	82
01398-005	MEOH	I2665.D	75	80	71
01398-006	MEOH	I2666.D	77	84	72
01398-007	MEOH	I2667.D	75	84	72
01398-008	MEOH	I2668.D	76	85	73
01398-009	MEOH	I2669.D	68	79	65
01398-012	MEOH	I2670.D	73	86	70

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	65-115	54-122
SMC2 = Toluene-d8	50 ppb	68-128	60-120
SMC3 = Bromofluorobenzene	50 ppb	45-133	73-130

Column to be used to flag recovery values

FORM 2

VOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/27/2003

Lab Sample ID	Matrix	File ID	SMC1 #	SMC2 #	SMC3 #
METHOD-BLK	SOIL	F2589.D	87	106	95
BLK-SPK	SOIL	F2590.D	98	101	101
01337-013	MEOH	F2591.D	121	135	110
01430-001	MEOH	F2592.D	121	138	119
01430-002	MEOH	F2593.D	110	128	113
01436-001	MEOH	F2594.D	103	113	96
01436-002	MEOH	F2595.D	112	132	112
01436-004	MEOH	F2597.D	115	147	101
01337-001	MEOH	F2601.D	105	135	121
01337-003	MEOH	F2602.D	112	136	123
01430-002MS	MEOH	F2603.D	110	128	118
01430-002MSD	MEOH	F2604.D	103	124	112
01398-010	MEOH	F2605.D	100	114	103
01398-004	MEOH	F2606.D	111	122	119
01398-011	MEOH	F2607.D	104	123	107

	Concentration	Aqueous/Meoh	Soil
SMC1 = 1,2-Dichloroethane-d4	50 ppb	51-159	68-149
SMC2 = Toluene-d8	50 ppb	60-156	63-154
SMC3 = Bromofluorobenzene	50 ppb	58-155	68-162

Column to be used to flag recovery values

AQUEOUS VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: BLK MSD

Batch No.: IM0687'

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	39.6	79	48 - 149
Benzene	50.0	0.0	50.7	101	59 - 149
Trichloroethene	50.0	0.0	46.5	93	55 - 143
Toluene	50.0	0.0	46.9	94	54 - 150
Chlorobenzene	50.0	0.0	43.2	86	55 - 144

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	39.8		80	1		17	48 - 149
Benzene	0.0	50.2		100	1		15	59 - 149
Trichloroethene	0.0	45.6		91	2		15	55 - 143
Toluene	0.0	46.0		92	2		16	54 - 150
Chlorobenzene	0.0	42.9		86	0		15	55 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits

MEOH VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01396-002

Batch No.: IM0694

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	0.0	38.7	77	48 - 149
Benzene	50.0	0.0	48.5	97	59 - 149
Trichloroethene	50.0	0.0	46.6	93	55 - 143
Toluene	50.0	0.0	43.9	88	54 - 150
Chlorobenzene	50.0	0.0	46.8	94	55 - 144

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	39.3		79	3	17	48 - 149
Benzene	0.0	47.7		95	2	15	59 - 149
Trichloroethene	0.0	45.4		91	2	15	55 - 143
Toluene	0.0	48.2		96	9	16	54 - 150
Chlorobenzene	0.0	47.5		95	1	15	55 - 144

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __5__ outside limits

Spike Recovery: __0___ out of __10__ outside limits