SDMS Document
107198

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 6 of 6

Submitted by:

Environmental Waste Management Associates, LLC
P. O. Box 5430
Parsippany, New Jersey 07054
EWMA Project No. 202887

302991

MEOH VOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01430-002

Batch No.: FME622

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	39.5	79	43 - 157
Benzene	50.0	0.0	50.9	102	71 - 138
Trichloroethene	50.0	0.0	49.7	99	63 - 136
Toluene	50.0	0.0	50.3	101	72 - 138
Chlorobenzene	50.0	0.0	47.5	95	57 - 125

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	0.0	38.8		78	1		19	43 - 157
Benzene	0.0	51.5		103	1		11	71 - 138
Trichloroethene	0.0	51.3		103	4		12	63 - 136
Toluene	0.0	51.2		102	1		11	72 - 138
Chlorobenzene	0.0	46.9		94	1		11	57 - 125

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): I2445.D Date Analyzed: 02/14/2003

Instrument ID: MSD_I Time Analyzed: 12:17

	50UG/L	IS1 AREA	#	RT	#	IS2 AREA	#	RT	#	IS3 AREA	#	RT	#
	12 HOUR STD	751294		9.23		828616		10.31		673651		14.61	
	UPPER LIMIT	1502588		9.73		1657232		10.81		1347302		15.11	
	LOWER LIMIT	375647		8.73		414308		9.81		336825.5		14.11	
	LAB SAMPLE ID												
01	200_PPB_STD	743546		9.20		801554		10.29		662376		14.60	
02	150_PPB_STD	726391		9.22		787041		10.29		632477		14.61	
03	50_PPB_STD	703767		9.23		770197		10.31		620934		14.62	
04	20_PPB_STD	719118		9.23		760630		10.32		606507		14.62	
05	METHOD_BLK	718128		9.24		744223		10.32		616844		14.64	
06	BLK_SPK	714332		9.23		759661		10.32		649220		14.64	
07	01154-003	703354		9.24		760104		10.32		646039		14.65	
08	01145-001	727106		9.26		760972		10.34		661039		14.66	
09	01145-002	744562		9.25		801046		10.33		664854		14.65	
10	01145-003	767419		9.22		806182		10.31		647256		14.64	
11	01145-005	756581		9.24		798186		10.32		683009		14.65	
12	01145-006	739466		9.23		774865		10.33		662362		14.66	
13	01145-007	747972		9.25		792891		10.33		659858		14.66	
14	01145-008	756351		9.24		788237		10.34		660477		14.64	
15	01145-001MS	745248		9.24		782770		10.34		652328		14.65	
16	01145-001MSD	750734		9.25		783788		10.34		682546		14.66	
17	01205-001	708308		9.26		739293		10.36		645197		14.67	
18													
19													
20													
21													
22													

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): I2497.D

Date Analyzed: 02/19/2003

Instrument ID: MSD_I

Time Analyzed: 1:44

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	701900	9.27	744991	10.35	625328	14.68
	UPPER LIMIT	1403800	9.77	1489982	10.85	1250656	15.18
	LOWER LIMIT	350950	8.77	372495.5	9.85	312664	14.18
	LAB SAMPLE ID						
01	METHOD_BLK	686274	9.30	733823	10.37	633890	14.69
02	METHOD_BLK	688680	9.30	725452	10.39	629418	14.70
03	BLK_SPK	670206	9.31	717677	10.39	612611	14.71
04	BLK_MS	685830	9.30	737426	10.40	638768	14.71
05	BLK_MSD	681608	9.30	717081	10.39	622741	14.70
06	01235-010	663155	9.32	712396	10.40	608390	14.72
07	01235-011	716860	9.32	753295	10.40	656811	14.71
08	01235-001	732046	9.32	790413	10.40	662361	14.71
09	01235-002	722066	9.31	791640	10.41	664556	14.73
10	01235-003	721366	9.32	797023	10.41	666133	14.73
11	01235-004	713149	9.31	778022	10.41	670370	14.73
12	01235-005	716445	9.32	781667	10.41	675393	14.73
13	01235-008	726314	9.28	739707	10.36	641720	14.67
14	01235-009	718329	9.26	763839	10.34	655442	14.66
15	01235-009MS	721518	9.25	779058	10.35	667151	14.66
16	01235-009MSD	737318	9.25	786189	10.32	638383	14.64
17	01235-006	695141	9.23	746714	10.32	644393	14.63
18	01235-007	721433	9.22	771359	10.31	654307	14.63
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): I2650.D Date Analyzed: 02/26/2003

Instrument ID: MSD_I Time Analyzed: 10:04

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	717256	9.25	791223	10.34	636008	14.65
	UPPER LIMIT	1434512	9.75	1582446	10.84	1272016	15.15
	LOWER LIMIT	358628	8.75	395611.5	9.84	318004	14.15
	LAB SAMPLE ID						
01	METHOD_BLK	722965	9.25	703883	10.33	582989	14.65
02	BLK_SPK	655869	9.25	709275	10.33	572913	14.65
03	01396-001	670553	9.25	707609	10.33	554904	14.65
04	01396-002	675293	9.24	715626	10.33	567007	14.65
05	01396-003	685458	9.24	734235	10.32	584319	14.65
06	01396-004	715969	9.23	746320	10.33	596242	14.63
07	01396-005	711494	9.22	752741	10.31	586899	14.64
08	01396-006	726738	9.22	751905	10.32	576511	14.64
09	01396-002MS	721086	9.23	751685	10.31	581077	14.64
10	01396-002MSD	706834	9.21	744790	10.31	599262	14.62
11	METHOD_BLK	729820	9.20	765141	10.28	626265	14.61
12	01398-001	749335	9.18	778808	10.28	628487	14.60
13	01398-002	743653	9.19	791432	10.28	622102	14.60
14	01398-003	722907	9.21	767860	10.29	613969	14.61
15	01398-005	709430	9.21	753844	10.29	608590	14.61
16	01398-006	690190	9.22	741347	10.31	600400	14.63
17	01398-007	719412	9.23	766197	10.32	608196	14.63
18	01398-008	714859	9.25	752093	10.33	601752	14.65
19	01398-009	698280	9.26	734642	10.34	610546	14.67
20	01398-012	696751	9.26	724309	10.35	583038	14.67
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): F2444.D Date Analyzed: 02/19/2003

Instrument ID: MSD_F Time Analyzed: 14:43

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	4749657	8.86	5624253	10.04	4508974	14.95
	UPPER LIMIT	9499314	9.36	11248506	10.54	9017948	15.45
	LOWER LIMIT	2374828.5	8.36	2812126.5	9.54	2254487	14.45
	LAB SAMPLE ID						
01	200_PPB_STD	4402161	8.82	5592947	10.00	4547070	14.90
02	150_PPB_STD	5134905	8.83	6395177	10.01	4990009	14.91
03	50_PPB_STD	5584563	8.84	6691183	10.02	4857982	14.92
04	20_PPB_STD	4923905	8.85	5533760	10.03	4255586	14.94
05	METHOD-BLK	4893880	8.88	5704559	10.05	4115463	14.94
06	BLK-SPK	5042418	8.86	6065837	10.03	4673161	14.95
07	01137-005	4806010	8.85	5752869	10.02	4689924	14.93
08	01159-007	5020131	8.85	6006789	10.04	4933329	14.94
09	01173-006	5076839	8.85	5975187	10.02	4844875	14.93
10	01206-007	5038863	8.85	5990144	10.02	4889751	14.94
11	01216-007	4882074	8.83	5853014	10.02	4681032	14.94
12	01216-002	5069829	8.85	6009405	10.02	4789171	14.94
13	01206-001	5210895	8.85	6325957	10.04	4801847	14.95
14	01173-001	5166780	8.86	6050533	10.04	4932891	14.95
15	01137-001	4924623	8.86	5729651	10.04	4724352	14.94
16	01216-002MS	5028734	8.85	5898442	10.02	4802769	14.94
17	01216-002MSD	5369867	8.83	6180504	10.02	5007776	14.93
18	01159-002	5039517	8.86	5719796	10.04	4881734	14.95
19	01159-003	4830221	8.86	5548206	10.04	4663398	14.95
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): F2587.D Date Analyzed: 02/27/2003

Instrument ID: MSD_F Time Analyzed: 9:30

	50UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	2824567	8.80	3600017	9.96	3162744	14.87
	UPPER LIMIT	5649134	9.30	7200034	10.46	6325488	15.37
	LOWER LIMIT	1412283.5	8.30	1800008.5	9.46	1581372	14.37
	LAB SAMPLE ID						
01	METHOD-BLK	2848049	8.80	3365609	9.98	2842693	14.87
02	BLK-SPK	2828977	8.80	3574356	9.97	2859614	14.87
03	01337-013	3109116	8.79	3764764	9.96	3290469	14.87
04	01430-001	3334372	8.79	3954720	9.96	3391370	14.87
05	01430-002	3523236	8.79	4161963	9.96	3474244	14.87
06	01436-001	3425610	8.79	4173181	9.96	3473590	14.87
07	01436-002	3642110	8.77	4361872	9.97	3647093	14.87
08	01436-004	3945128	8.79	4730557	9.97	3788852	14.87
09	01337-001	3487909	8.80	3929389	9.98	3301618	14.87
10	01337-003	3534946	8.80	4043620	9.98	3369230	14.87
11	01430-002MS	3451122	8.79	3964168	9.96	3320056	14.87
12	01430-002MSD	3560976	8.79	4074932	9.96	3453516	14.87
13	01398-010	3622649	8.79	4183791	9.96	3585148	14.87
14	01398-004	3540326	8.80	4179268	9.98	3553891	14.87
15	01398-011	3547109	8.80	4050172	9.98	3509008	14.87
16							
17							
18							
19							
20							
21							
22							

IS1 = PENTAFLUOROBENZENE
IS2 = 1,4-DIFLUOROBENZENE
IS3 = CHLOROBENZENE-D5

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 8

VOLATILE METHANOL PRESERVATION CONTAINER SUMMARY

Sample ID	Client ID	Bottle ID	Date Prepared	Inital Wgt.(g)	Final Wgt.(g)	Sample Wgt.(g)	MeOH Lot #	Surrogate Lot #
01398-002	TRIP BLANK	302456	2/21/2003	104.6	114.6	10.0	cg721	ls361
01398-003	SB-X13-0	302459	2/21/2003	106.0	117.9	11.9	cg721	ls361
01398-004	SB-X13-8	302464	2/21/2003	104.4	115.8	11.4	cg721	ls361
01398-005	SB-X13-23.5	302463	2/21/2003	107.4	118.7	11.3	cg721	ls361
01398-006	SB-T15-0	302457	2/21/2003	104.6	114.0	9.4	cg721	ls361
01398-007	SB-T15-8	302458	2/21/2003	105.6	115.6	10.0	cg721	ls361
01398-008	SB-T28-0	302461	2/21/2003	104.9	115.3	10.4	cg721	ls361
01398-009	SB-T28-8	302462	2/21/2003	104.2	115.3	11.1	cg721	ls361
01398-010	SB-T28-15.5	302465	2/21/2003	105.5	117.3	11.8	cg721	ls361
01398-011	SB-T28-28	302451	2/21/2003	104.5	114.9	10.4	cg721	ls361
01398-012	SB-T28-37.5	302452	2/21/2003	105.2	115.1	9.9	cg721	ls361

Limits : Sample Weight = 8 to 12 grams, * = Outside limits

omments : _____

_____

_____

Sample weight is reported on a wet weight basis

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2662.D Vial: 13
Acq On : 26 Feb 2003 16:04 Operator: DPEI
Sample : FIELD_BLANK,01398-001,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:46 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.18	168	749335	50.00	UG	-0.05
31) 1,4-Difluorobenzene	10.28	114	778808	50.00	UG	-0.04
50) Chlorobenzene-d5	14.60	117	628487	50.00	UG	-0.02

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.63	65	256876	44.55	UG	-0.05
Spiked Amount 50.000	Range 36 - 115		Recovery = 89.10%			
41) Toluene-d8	12.45	98	617391	46.21	UG	-0.04
Spiked Amount 50.000	Range 35 - 117		Recovery = 92.42%			
59) Bromofluorobenzene	16.38	95	415039	42.43	UG	-0.02
Spiked Amount 50.000	Range 47 - 115		Recovery = 84.86%			

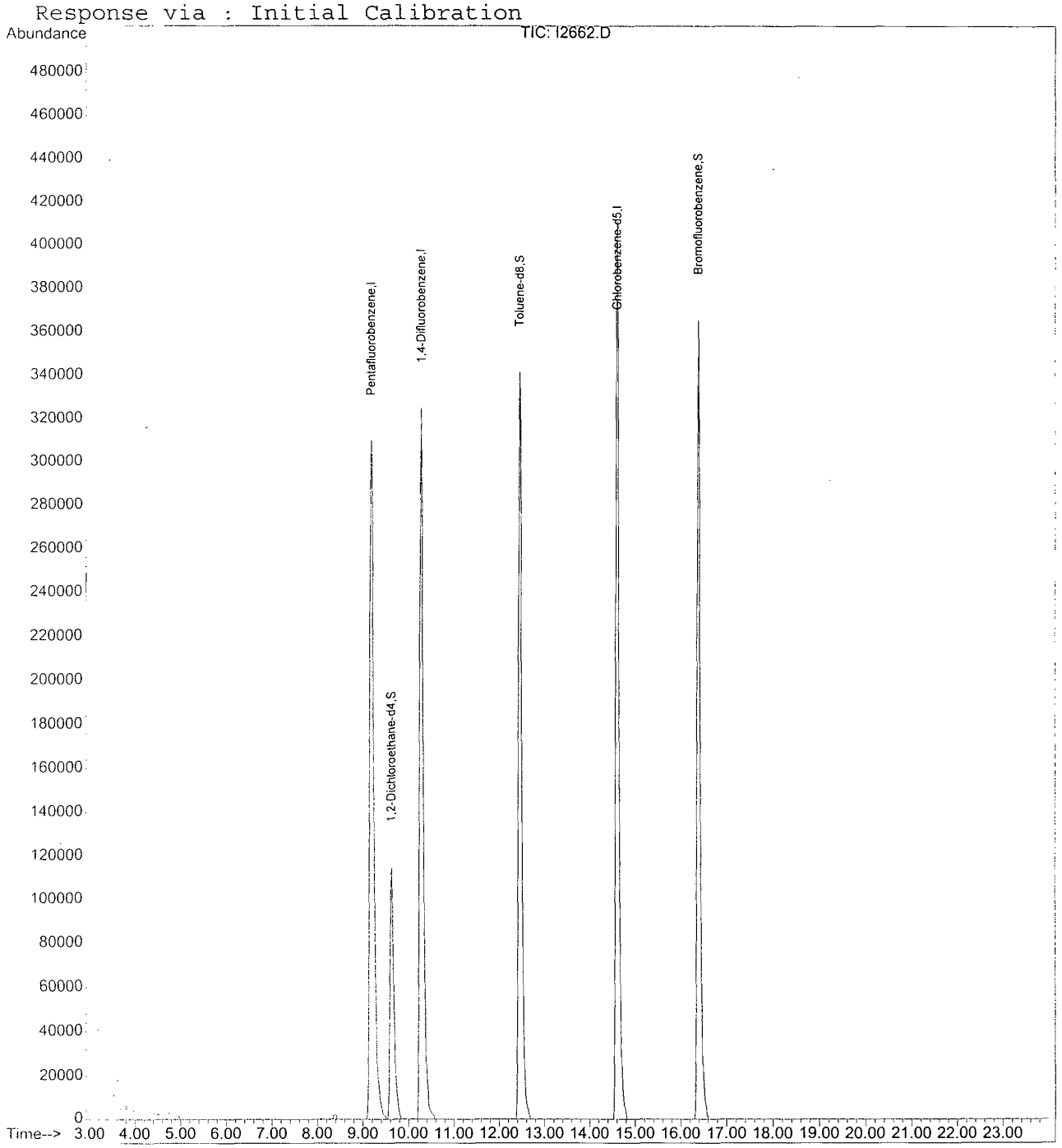
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2662.D Vial: 13
Acq On : 26 Feb 2003 16:04 Operator: DPEI
Sample : FIELD_BLANK,01398-001,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:46 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



0158

303000

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2662.D Vial: 13
Acq On : 26 Feb 2003 16:04 Operator: DPEI
Sample : FIELD_BLANK,01398-001,W,5mL,100 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

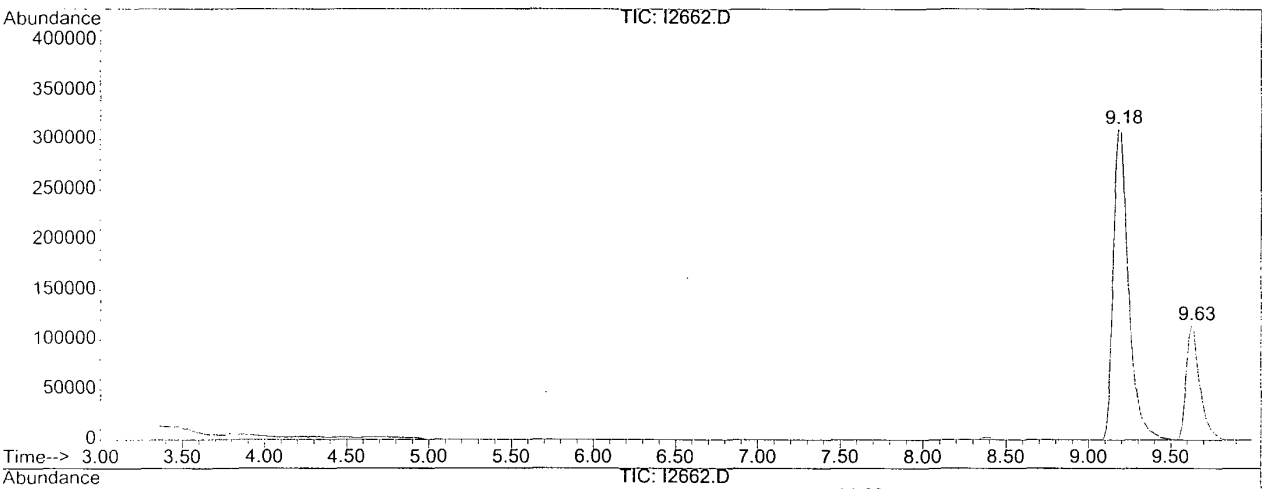
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.181	417	424	447	rBB	310303	2010500	100.00%	20.102%
2	9.625	448	454	468	rBB	114869	666640	33.16%	6.666%
3	10.277	492	498	518	rBB	325140	1818472	90.45%	18.182%
4	12.450	639	644	659	rBB2	341865	1774242	88.25%	17.740%
5	14.602	779	784	798	rBB	411475	1977402	98.35%	19.771%
6	16.376	896	901	916	rBB	365974	1754028	87.24%	17.538%

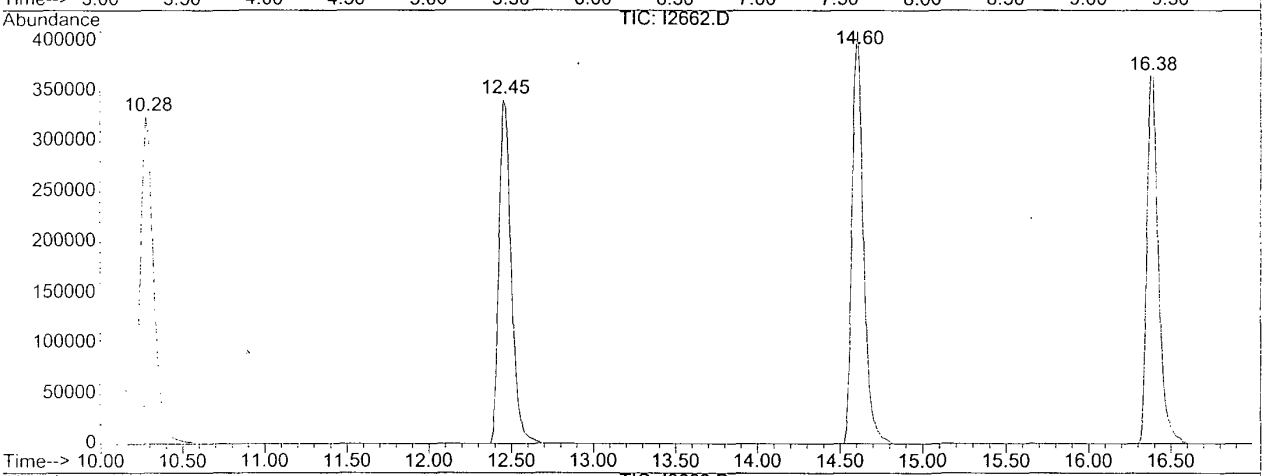
Sum of corrected areas: 10001284

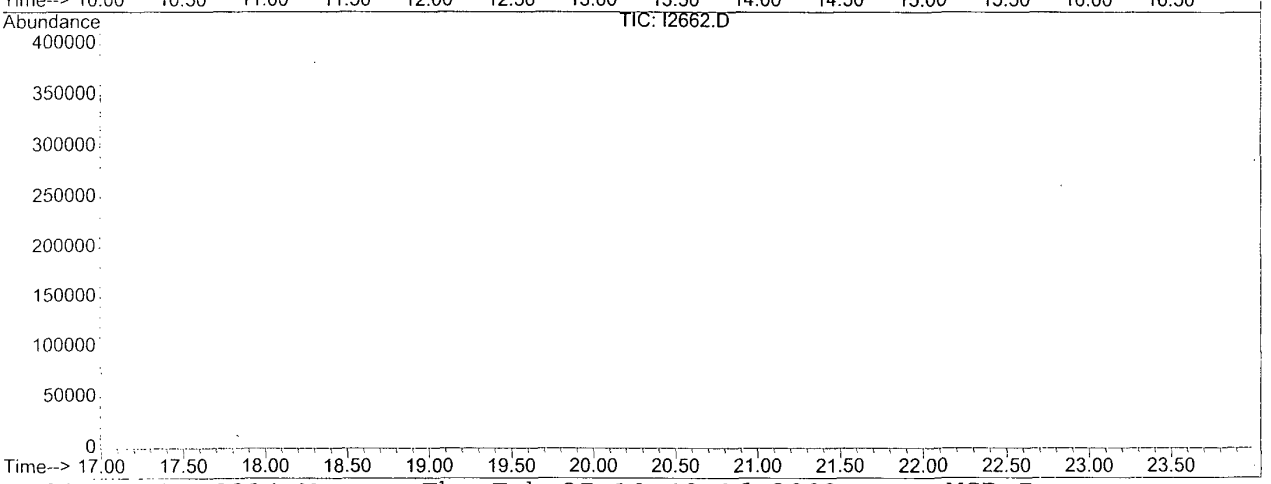
I2662.D IME0214.M Thu Feb 27 10:48:16 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2662.D
Operator : DPEI
Acquired : 26 Feb 2003 16:04 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: FIELD_BLANK,01398-001,W,5mL,100
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 13
Quant File :IME0214.RES (RTE Integrator)







I2662.D IME0214.M Thu Feb 27 10:48:16 2003 MSD_I

0160

303002

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2663.D Vial: 14
Acq On : 26 Feb 2003 16:34 Operator: DPEI
Sample : TRIP_BLANK,01398-002,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 17:06 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.19	168	743653	50.00 UG	-0.04
31) 1,4-Difluorobenzene	10.28	114	791432	50.00 UG	-0.04
50) Chlorobenzene-d5	14.60	117	622102	50.00 UG	-0.02

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.62	65	249288	43.56 UG	-0.05
Spiked Amount 50.000	Range 36 - 115		Recovery = 87.12%		
41) Toluene-d8	12.45	98	615427	45.32 UG	-0.04
Spiked Amount 50.000	Range 35 - 117		Recovery = 90.64%		
59) Bromofluorobenzene	16.39	95	409203	42.26 UG	0.00
Spiked Amount 50.000	Range 47 - 115		Recovery = 84.52%		

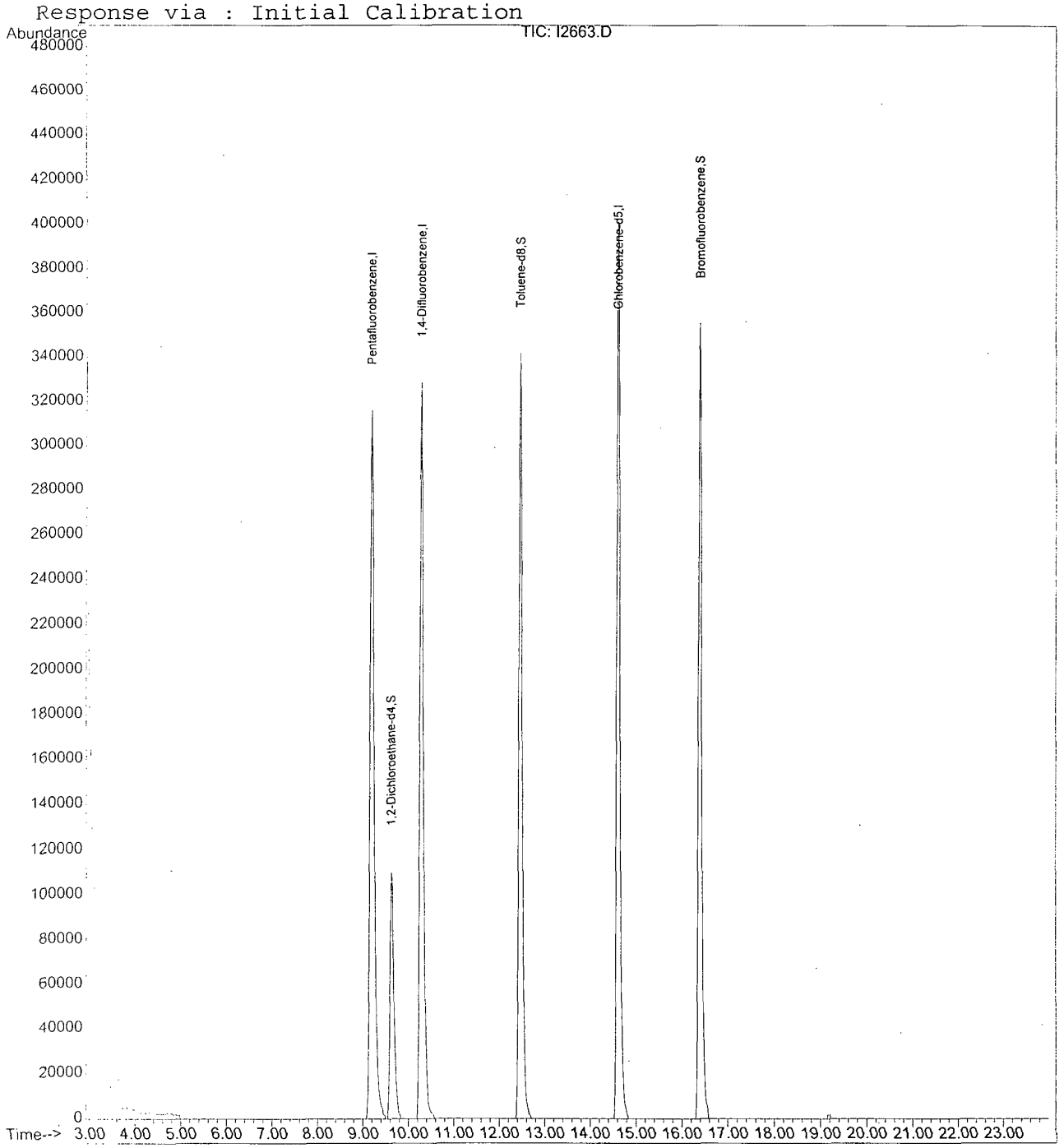
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2663.D Vial: 14
Acq On : 26 Feb 2003 16:34 Operator: DPEI
Sample : TRIP_BLANK,01398-002,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 17:06 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



0162

303004

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2663.D Vial: 14
Acq On : 26 Feb 2003 16:34 Operator: DPEI
Sample : TRIP_BLANK,01398-002,M,0.04g,0 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

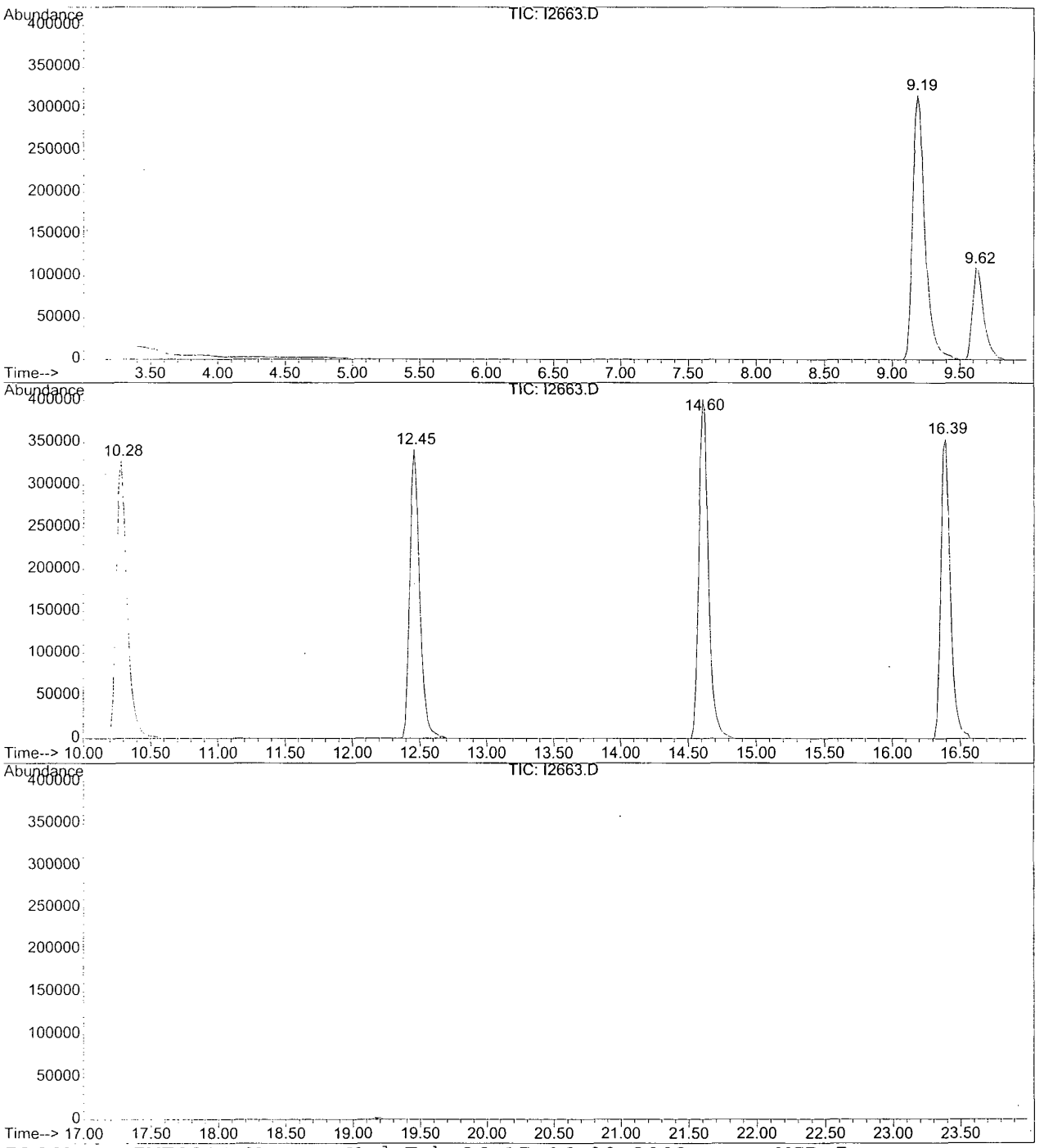
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.187	402	409	427	rBV	316417	2000751	100.00%	20.196%
2	9.620	432	437	451	rBB	110151	644832	32.23%	6.509%
3	10.281	474	480	499	rBB	328702	1847712	92.35%	18.651%
4	12.454	615	621	634	rBV	342018	1741628	87.05%	17.580%
5	14.602	755	760	775	rBB	401846	1953981	97.66%	19.724%
6	16.391	870	876	888	rBB	355613	1717879	85.86%	17.340%

Sum of corrected areas: 9906783

I2663.D IME0214.M Wed Feb 26 17:06:29 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2663.D
Operator : DPEI
Acquired : 26 Feb 2003 16:34 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: TRIP_BLANK,01398-002,M,0.04g,0
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 14
Quant File :IME0214.RES (RTE Integrator)



I2663.D IME0214.M Wed Feb 26 17:06:30 2003 MSD_I

0164

303006

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2664.D Vial: 15
Acq On : 26 Feb 2003 17:04 Operator: DPEI
Sample : SB-X13-0/0-0.5,01398-003,M,0.048g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 17:30 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.21	168	722907	50.00 UG	-0.02
31) 1,4-Difluorobenzene	10.29	114	767860	50.00 UG	-0.03
50) Chlorobenzene-d5	14.61	117	613969	50.00 UG	-0.01

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.64	65	232446	41.79 UG	-0.03
Spiked Amount 50.000	Range 36 - 115		Recovery = 83.58%		
41) Toluene-d8	12.47	98	590900	44.85 UG	-0.03
Spiked Amount 50.000	Range 35 - 117		Recovery = 89.70%		
59) Bromofluorobenzene	16.38	95	393698	41.20 UG	-0.01
Spiked Amount 50.000	Range 47 - 115		Recovery = 82.40%		

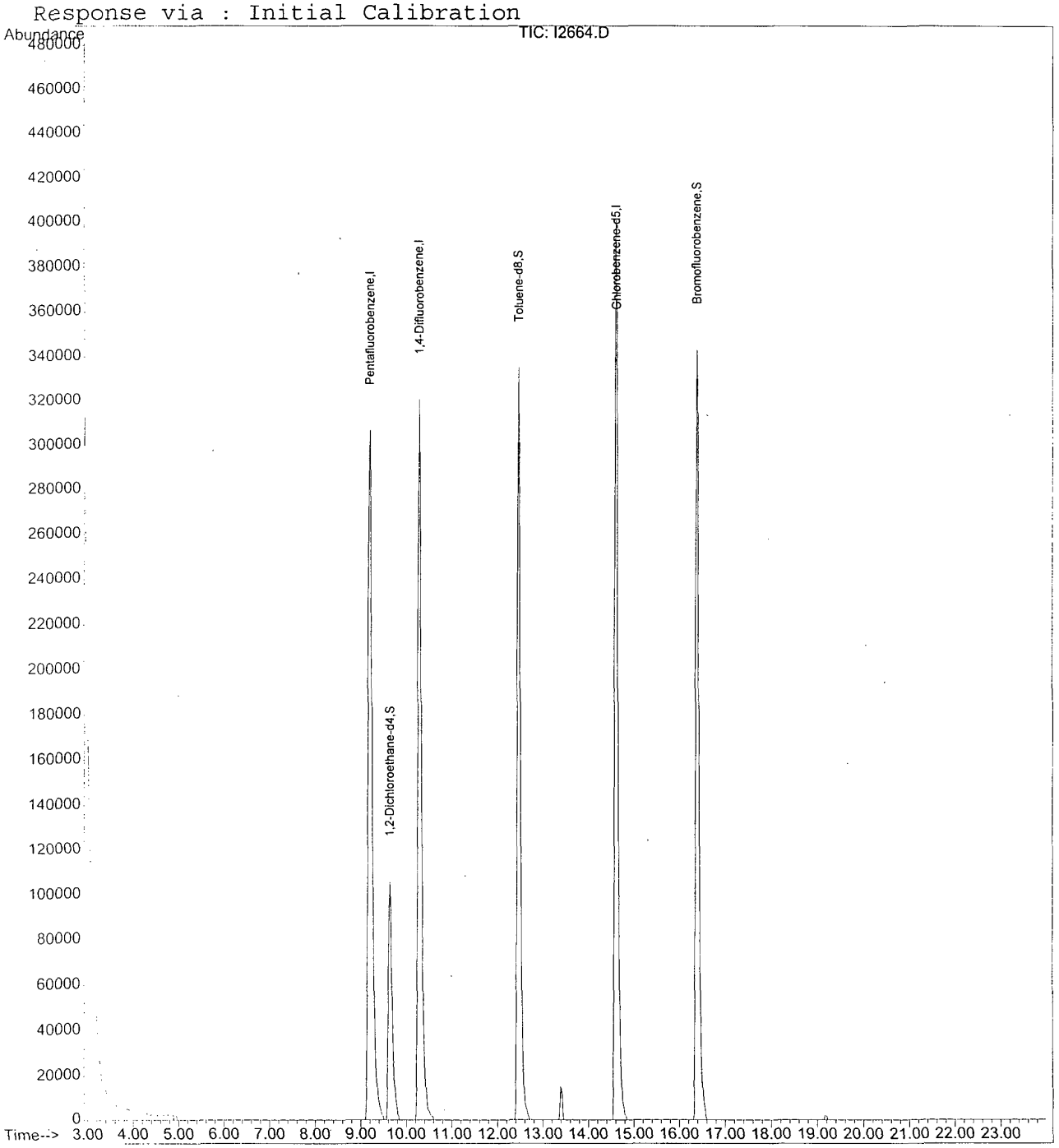
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2664.D Vial: 15
Acq On : 26 Feb 2003 17:04 Operator: DPEI
Sample : SB-X13-0/0-0.5,01398-003,M,0.048g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 17:30 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2664.D Vial: 15
Acq On : 26 Feb 2003 17:04 Operator: DPEI
Sample : SB-X13-0/0-0.5,01398-003,M,0.048g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

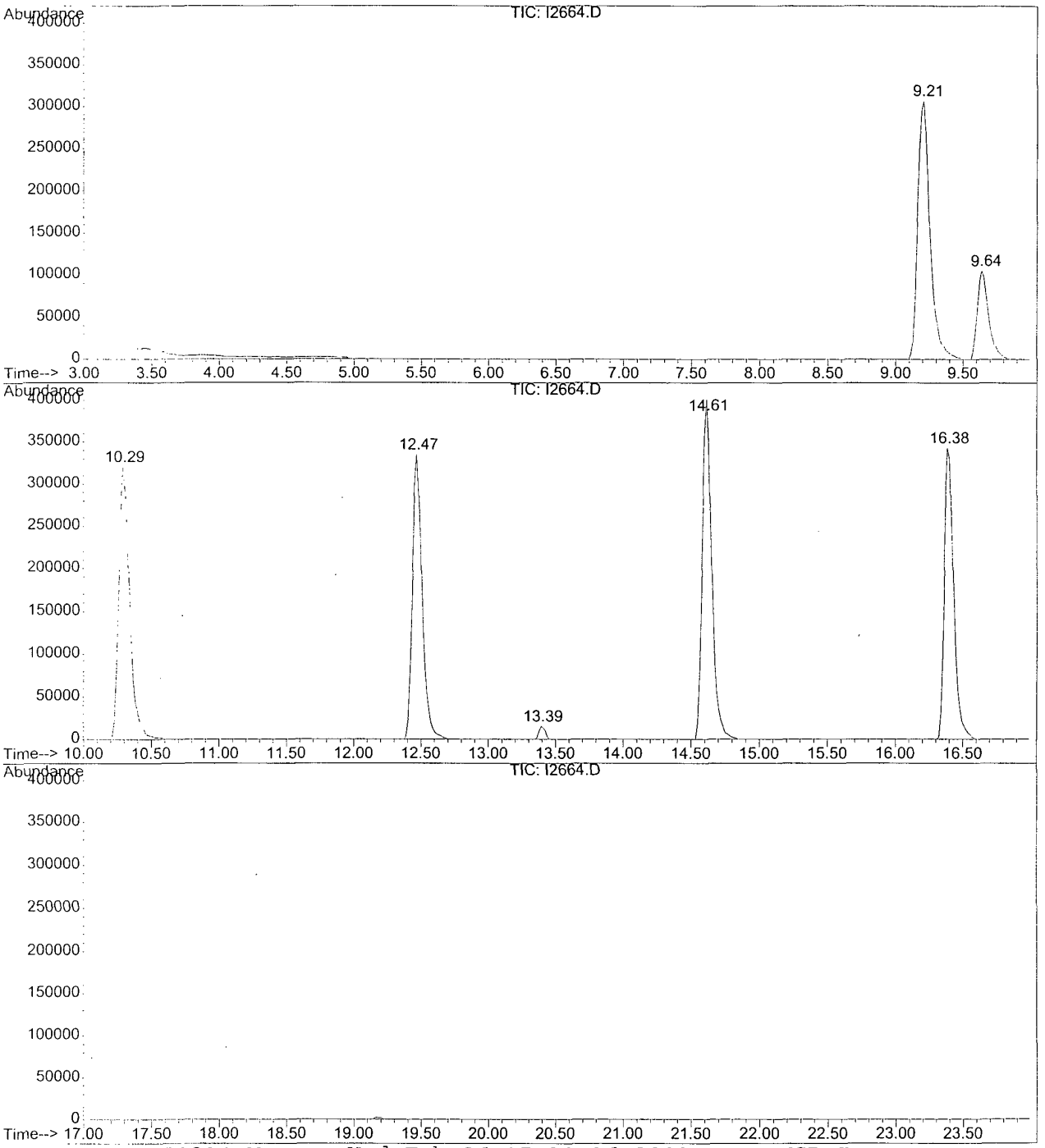
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.207	402	409	428	rBB	307063	1971458	100.00%	20.391%
2	9.639	432	437	450	rBB	105603	614797	31.18%	6.359%
3	10.288	473	479	499	rBB	320798	1778516	90.21%	18.395%
4	12.466	614	620	635	rBB	335228	1684712	85.46%	17.425%
5	13.392	677	680	684	rBB	15162	48916	2.48%	0.506%
6	14.610	754	759	774	rBB	400863	1916417	97.21%	19.821%
7	16.385	869	874	888	rBB	343218	1653591	83.88%	17.103%

Sum of corrected areas: 9668407

I2664.D IME0214.M Wed Feb 26 17:30:16 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2664.D
Operator : DPEI
Acquired : 26 Feb 2003 17:04 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-X13-0/0-0.5,01398-003,M,0.048g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 15
Quant File :IME0214.RES (RTE Integrator)



I2664.D IME0214.M Wed Feb 26 17:30:16 2003 MSD_I

0168

303010

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 28 9:31 2003 Quant Results File: FME0219.RES

Quant 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
DataAcq Meth : VOAF

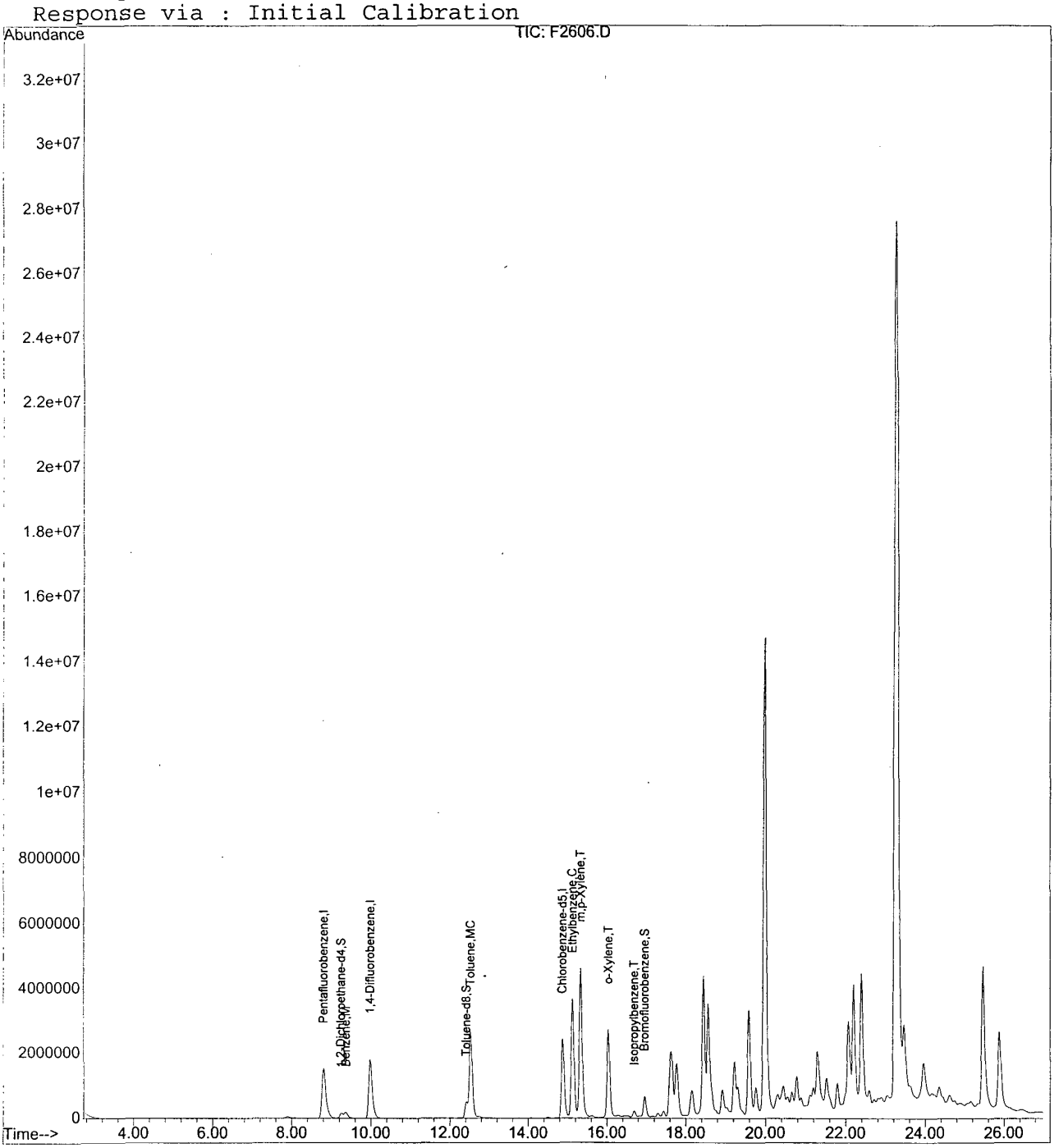
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	8.80	168	3540326	50.00 UG	-0.05
31) 1,4-Difluorobenzene	9.98	114	4179268	50.00 UG	-0.05
50) Chlorobenzene-d5	14.87	117	3553891	50.00 UG	-0.07
System Monitoring Compounds					
30) 1,2-Dichloroethane-d4	9.24	65	358660	11.07 UG	-0.05
Spiked Amount 50.000	Range 27 - 176		Recovery = 22.14%#		
41) Toluene-d8	12.41	98	876850	12.22 UG	-0.06
Spiked Amount 50.000	Range 20 - 158		Recovery = 24.44%		
59) Bromofluorobenzene	16.96	95	705998	11.88 UG	-0.07
Spiked Amount 50.000	Range 28 - 148		Recovery = 23.76%#		
Target Compounds					Qvalue
32) Benzene	9.36	78	399717	4.12 UG	100
42) Toluene	12.52	92	3206325	52.45 UG	99
53) Ethylbenzene	15.12	91	7333930	57.06 UG	99
54) m,p-Xylene	15.32	106	3248633	76.94 UG	89
55) o-Xylene	16.03	106	1618919	39.41 UG	90
58) Isopropylbenzene	16.69	105	344278	3.20 UG	99

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 28 9:31 2003 Quant Results File: FME0219.RES

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



0170

303012

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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	8.802	405	415	433	rBV	1526875	10862911	5.68%	1.792%
2	9.977	487	495	515	rBV	1813651	11242885	5.88%	1.855%
3	12.414	650	661	663	rBV	500786	2243035	1.17%	0.370%
4	12.517	663	668	681	rVB	2664249	14606515	7.64%	2.410%
5	14.867	822	828	839	rBV	2432738	12437533	6.51%	2.052%
6	15.117	839	845	853	rVV	3663320	18373749	9.61%	3.031%
7	15.323	853	859	875	rVB	4612035	23795530	12.45%	3.926%
8	16.029	895	907	920	rBV	2728670	13745586	7.19%	2.268%
9	16.955	964	970	980	rVB	622163	3031103	1.59%	0.500%
10	17.632	1007	1016	1021	rVV	1992226	12951036	6.78%	2.137%
11	17.764	1021	1025	1036	rVB2	1608093	8870409	4.64%	1.463%
12	18.147	1043	1051	1061	rBV3	779903	4735282	2.48%	0.781%
13	18.442	1061	1071	1076	rBV	4266209	21068152	11.02%	3.476%
14	18.560	1076	1079	1097	rVB	3409177	17789881	9.31%	2.935%
15	18.913	1097	1103	1109	rBV2	746812	3824711	2.00%	0.631%
16	19.223	1118	1124	1127	rBV	1557448	7212831	3.77%	1.190%
17	19.576	1142	1148	1156	rBV	3218853	16209581	8.48%	2.674%
18	19.753	1156	1160	1167	rVB2	733400	3308475	1.73%	0.546%
19	19.989	1167	1176	1190	rBV2	14531512	74364532	38.91%	12.269%
20	20.298	1190	1197	1200	rBV2	445766	2481344	1.30%	0.409%
21	20.446	1201	1207	1211	rVB3	437599	2207505	1.16%	0.364%
22	20.770	1225	1229	1234	rVV2	863033	3755529	1.97%	0.620%
23	21.301	1260	1265	1274	rVV2	1572846	8530709	4.46%	1.407%
24	21.508	1275	1279	1291	rVB2	934785	5900641	3.09%	0.973%
25	21.788	1292	1298	1303	rBV	794792	3639648	1.90%	0.600%
26	22.069	1307	1317	1322	rBV3	2584176	14754766	7.72%	2.434%
27	22.202	1322	1326	1333	rVV	3659025	16702680	8.74%	2.756%
28	22.394	1333	1339	1348	rVV2	3991200	20267933	10.61%	3.344%
29	23.265	1390	1398	1409	rVV	26967378	191109393	100.00%	31.529%
30	23.472	1409	1412	1419	rVB2	1935630	8834331	4.62%	1.457%
31	23.959	1440	1445	1455	rVB2	1013650	5875121	3.07%	0.969%

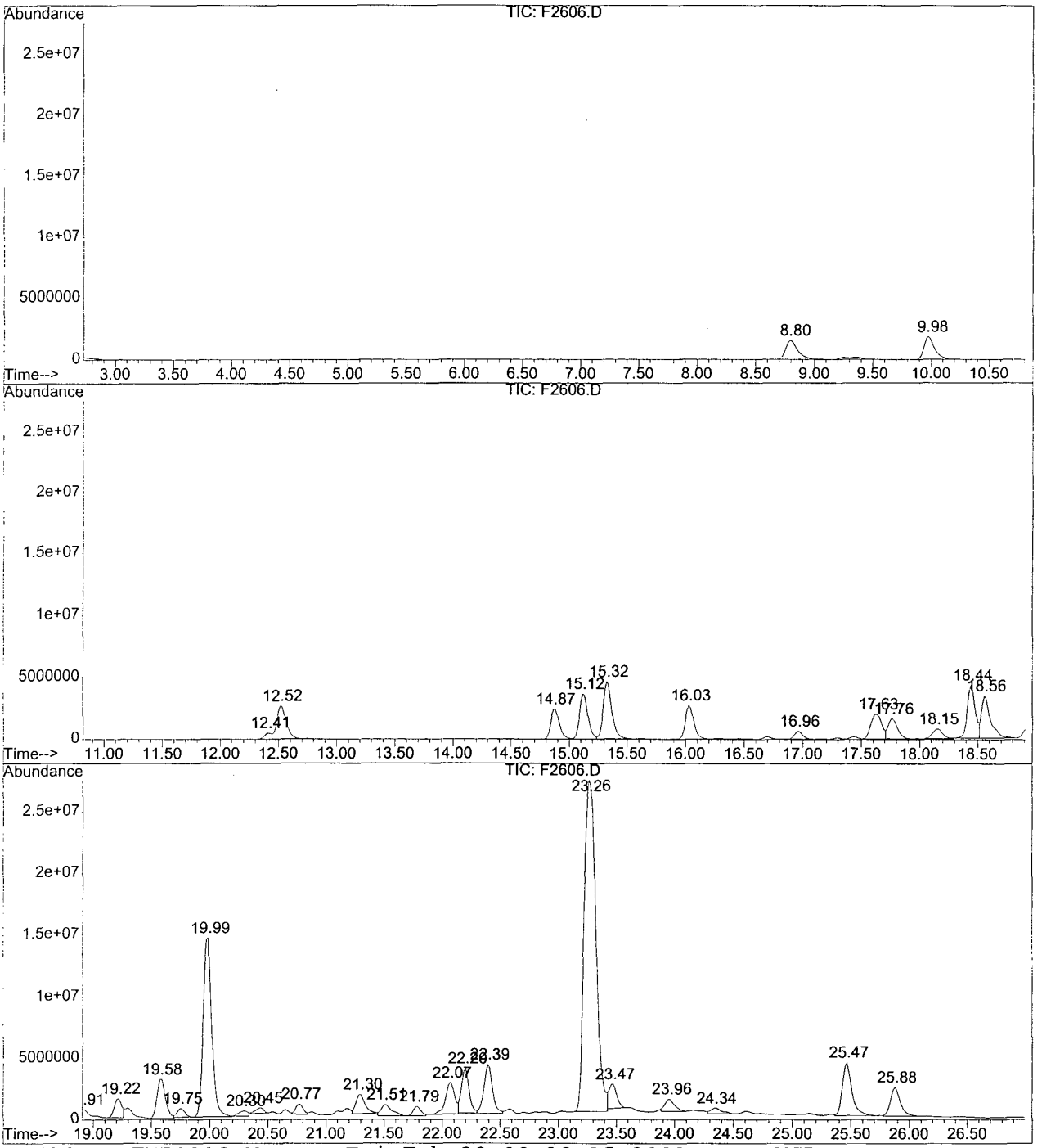
32	24.344	1467	1471	1482	rVB3	472287	3109347	1.63%	0.513%
33	25.466	1540	1547	1564	rVB2	4349352	24391497	12.76%	4.024%
34	25.879	1568	1575	1591	rVB	2362049	13901945	7.27%	2.294%

Sum of corrected areas: 606136126

F2606.D FME0219.M Fri Feb 28 09:32:35 2003 MSD_F

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-27-03\F2606.D
Operator : DSN
Acquired : 27 Feb 2003 20:02 using AcqMethod VOAF
Instrument : 5970 - In
Sample Name: SB-X13-8/8-8.5,01398-004,M,0.009g,15.4
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5
Vial Number: 21
Quant File :FME0219.RES (RTE Integrator)



F2606.D FME0219.M Fri Feb 28 09:32:35 2003 MSD_F

0173

303015

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

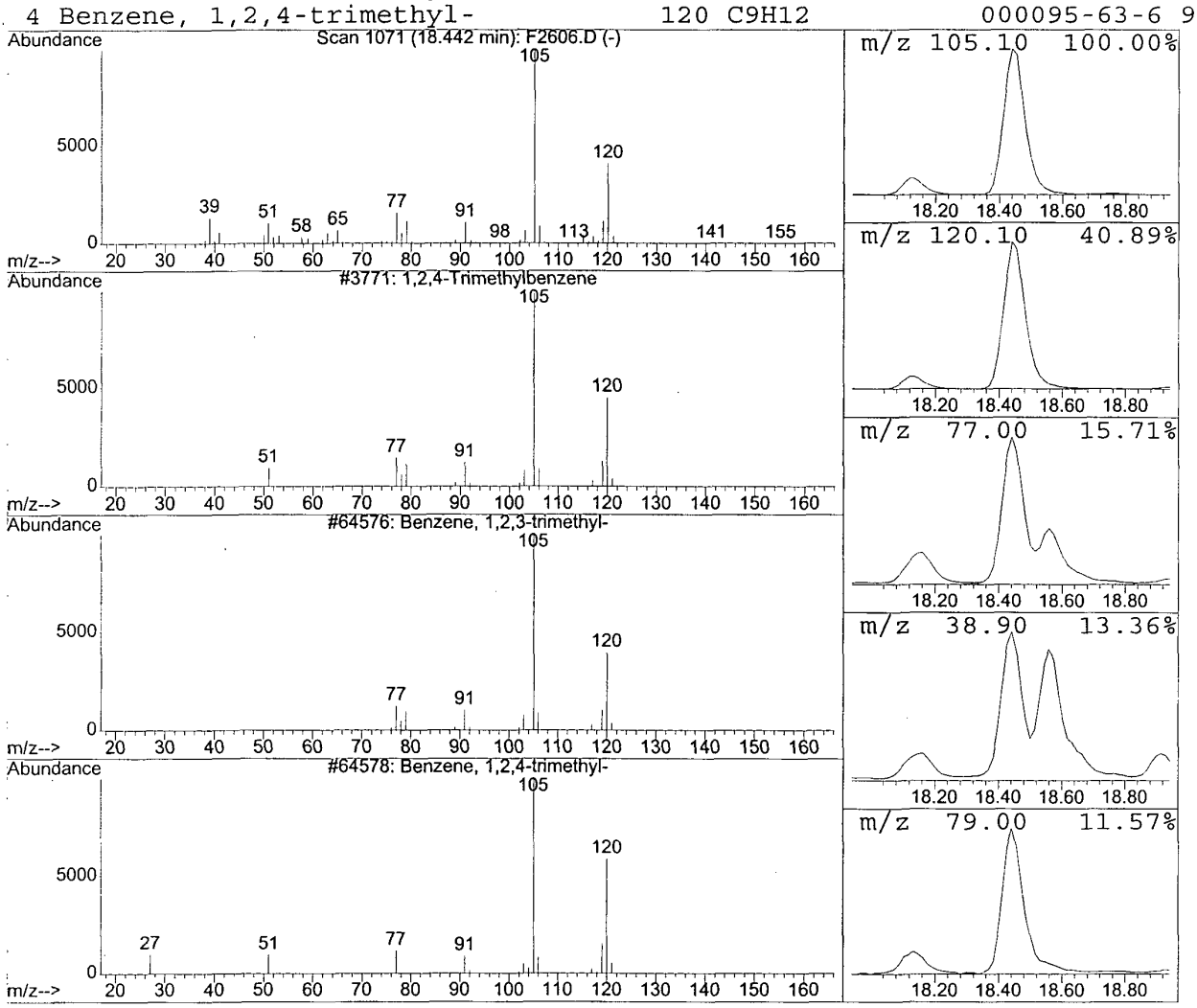
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 1 Substituted benzene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	84.70 UG	21068200	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Trimethylbenzene	120	C9H12	000095-36-3	96
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

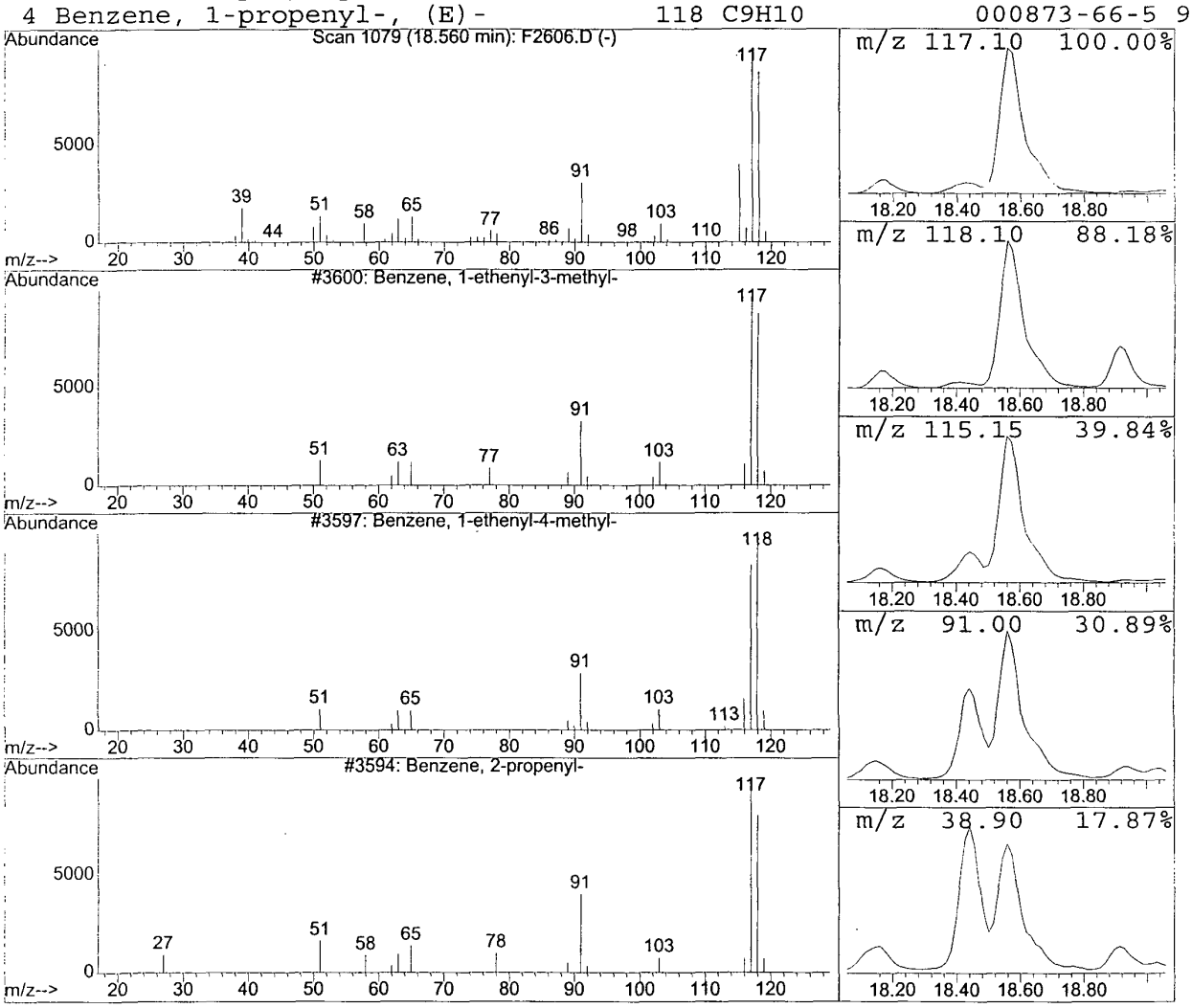
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 2 Substituted benzene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	71.52 UG	17789900	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
4	Benzene, 1-propenyl-, (E)-	118	C9H10	000873-66-5	90



0175

303017

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

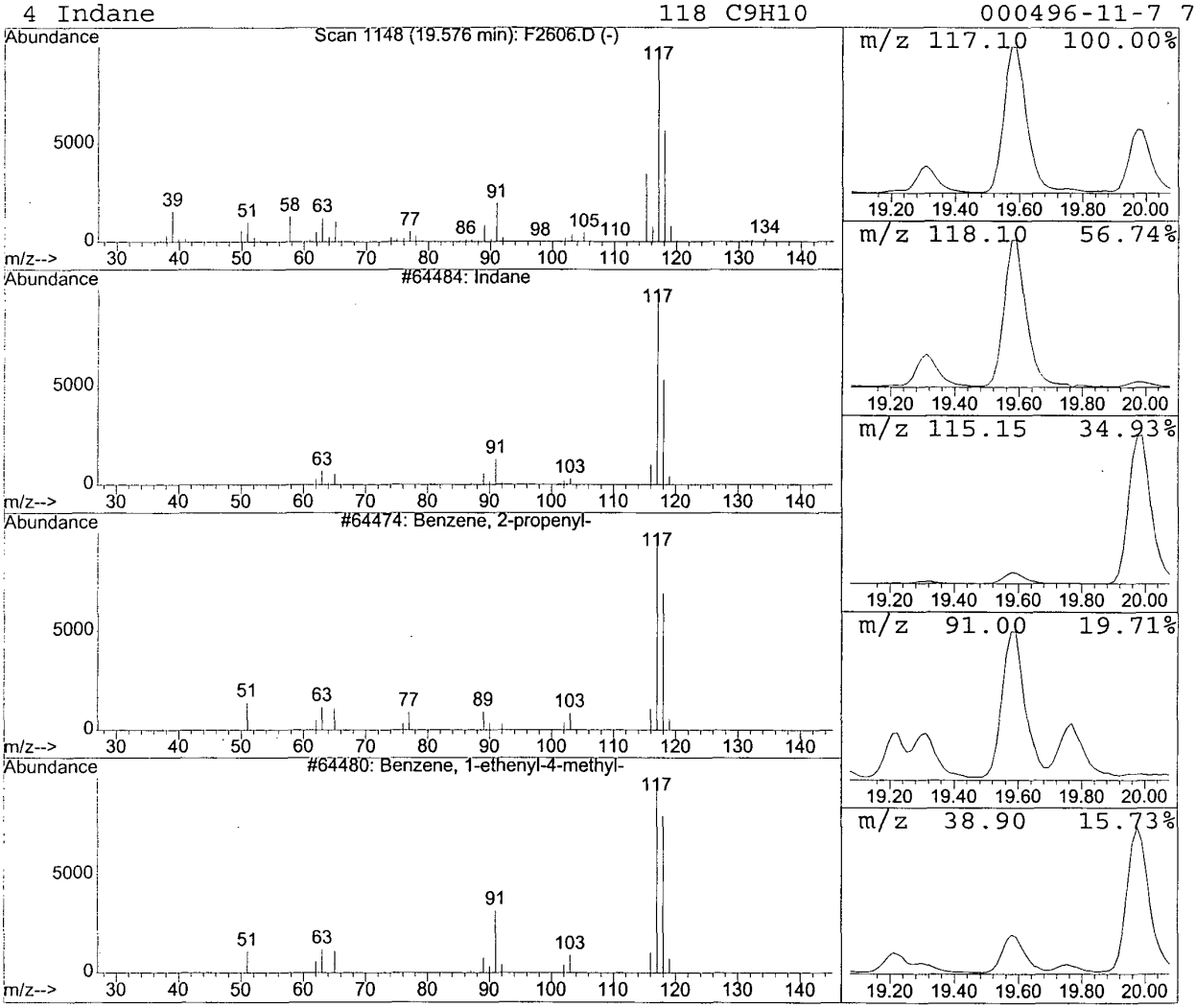
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 3 Substituted benzene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	65.16 UG	16209600	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	80
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	80
4	Indane	118	C9H10	000496-11-7	74



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

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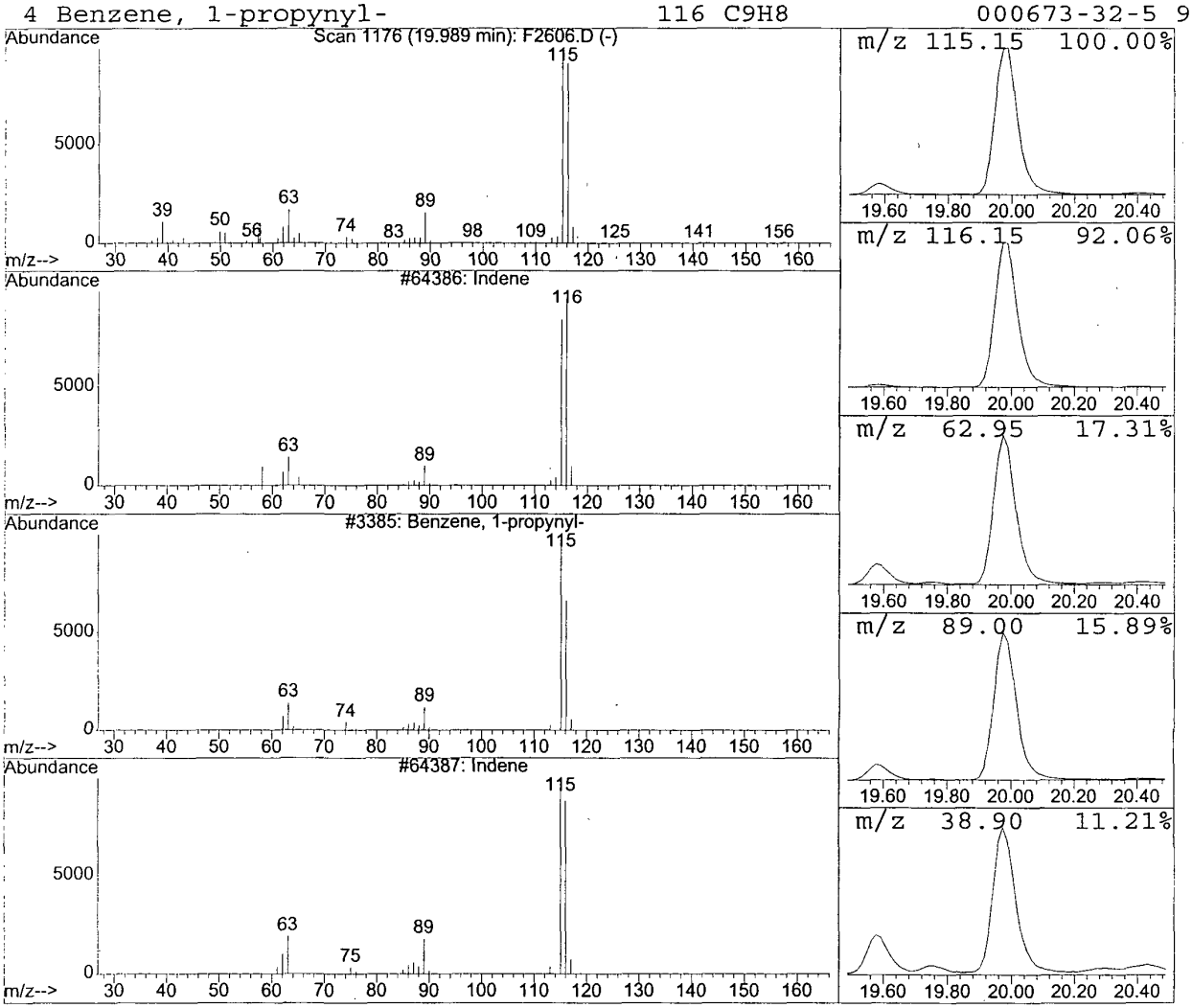
Peak Number 4 Substituted benzene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	298.95 UG	74364500	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91



0177

303019

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

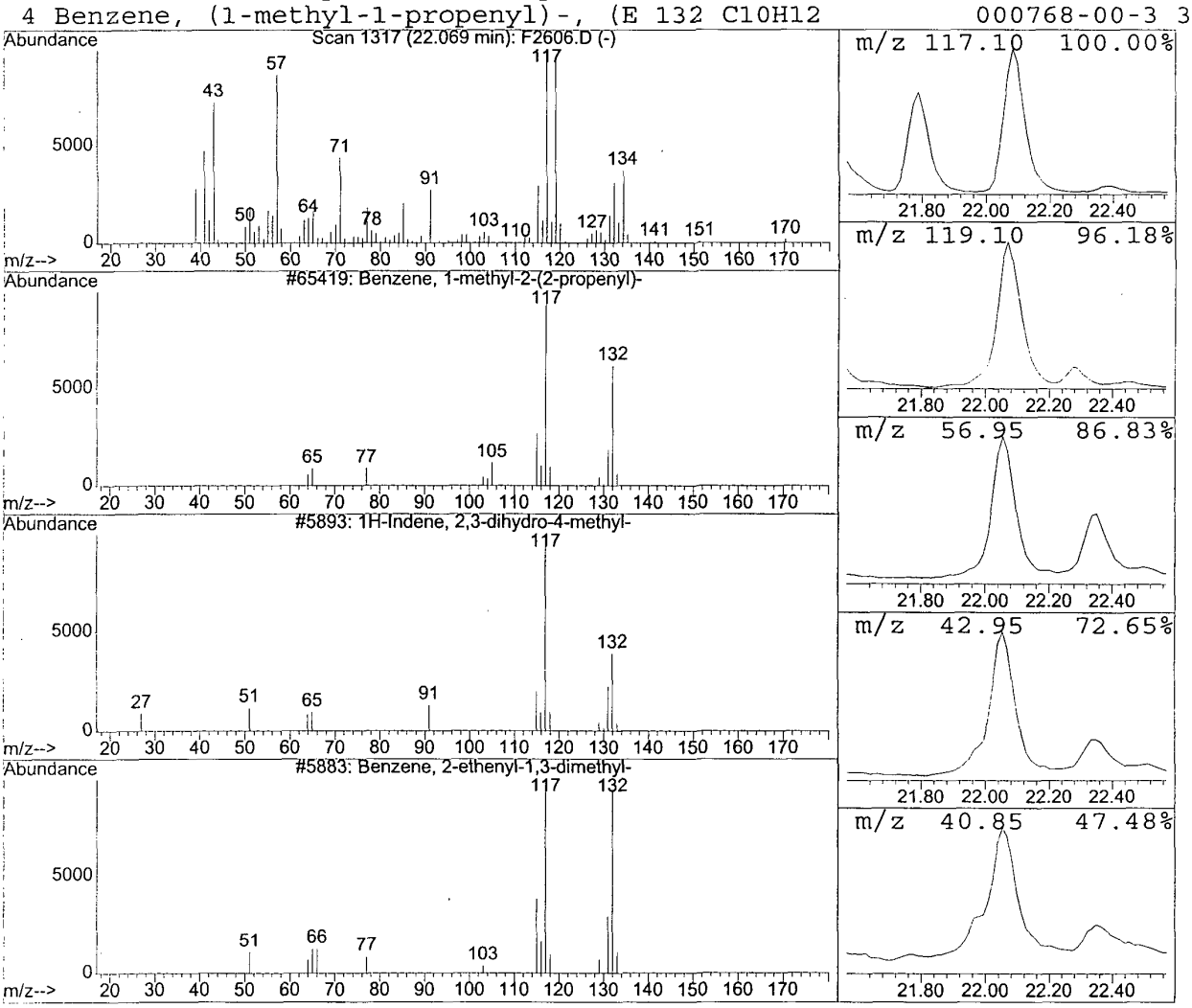
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 5 Substituted benzene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.07	59.32 UG	14754800	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	42
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	42
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	42
4	Benzene, (1-methyl-1-propenyl)-, (E	132	C10H12	000768-00-3	38



0178

303020

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

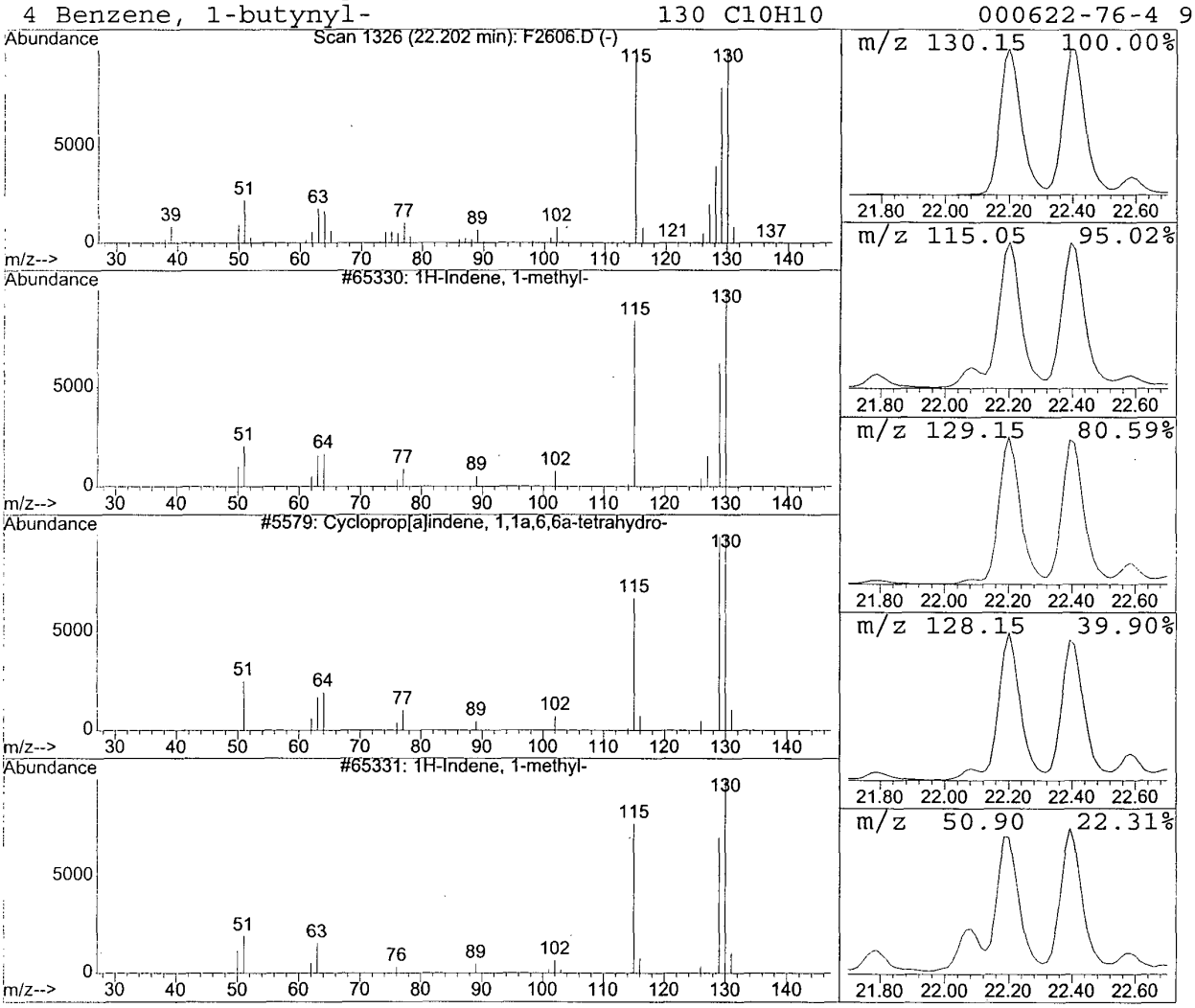
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 6 Substituted benzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	67.15 UG	16702700	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Cyclopropl[a]indene, 1,1a,6,6a-tetra	130	C10H10	015677-15-3	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	90



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

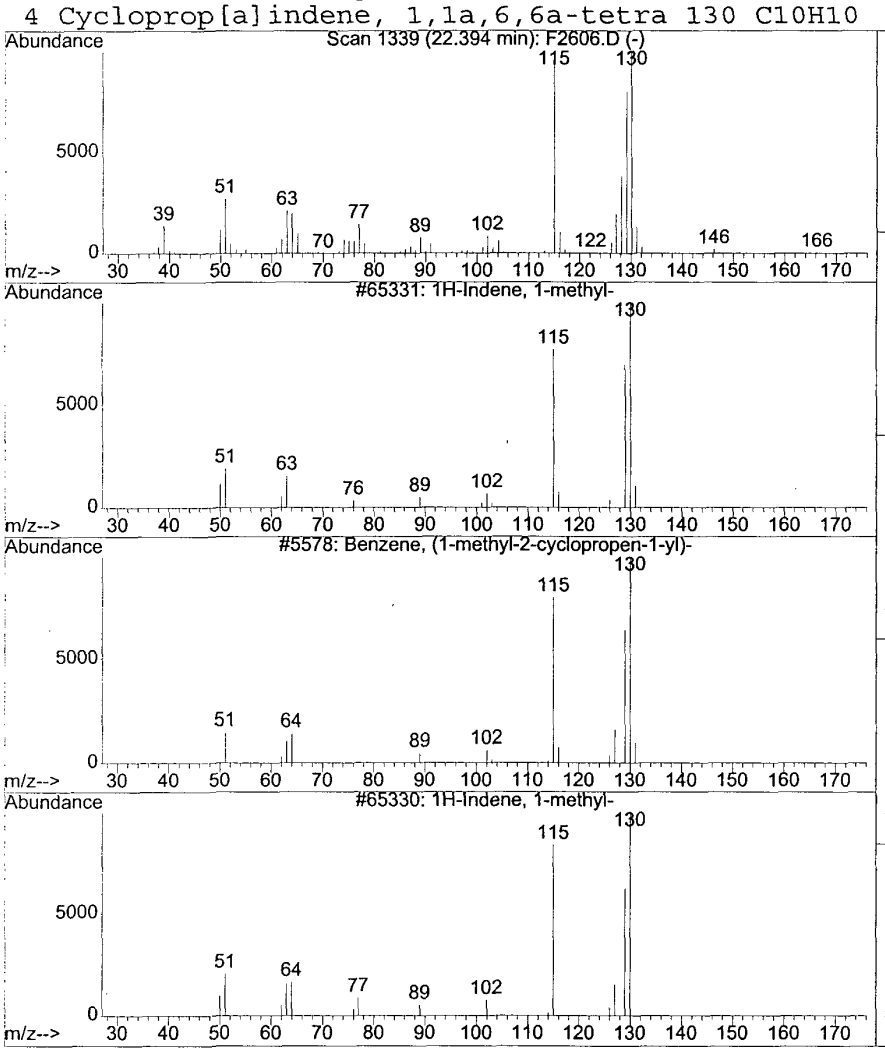
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

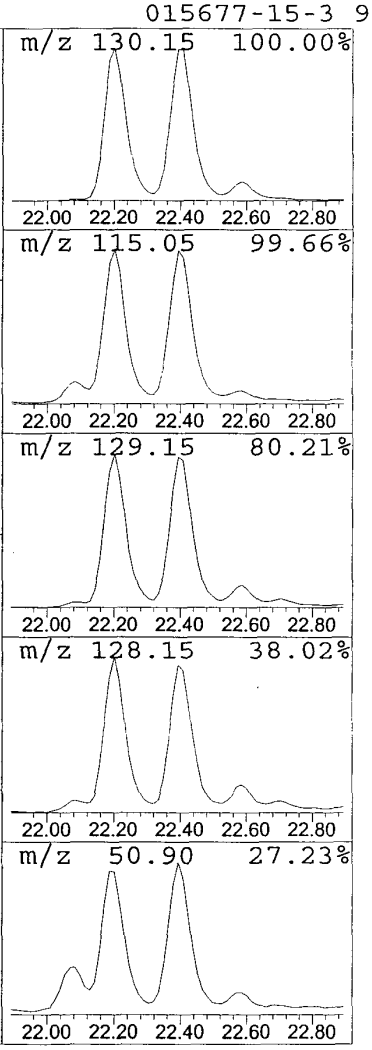
****

Peak Number 7 Substituted benzene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	81.48 UG	20267900	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	97
2	Benzene, (1-methyl-2-cyclopropen-1-	130	C10H10	065051-83-4	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Cyclopropa[a]indene, 1,1a,6,6a-tetra	130	C10H10	015677-15-3	94





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

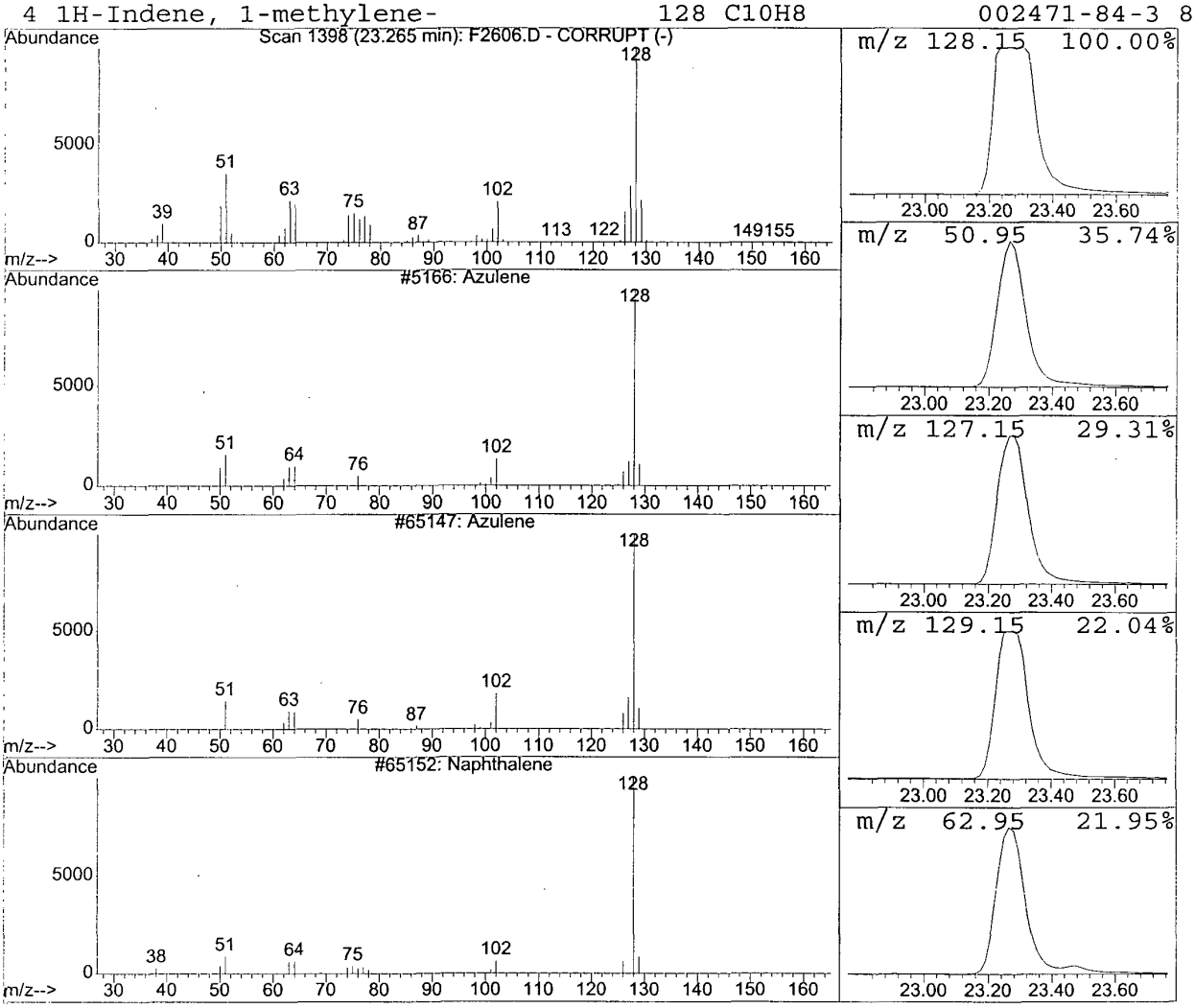
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 8 Naphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.26	768.28 UG	191109000	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	93
2	Azulene	128	C10H8	000275-51-4	90
3	Naphthalene	128	C10H8	000091-20-3	90
4	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	81



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

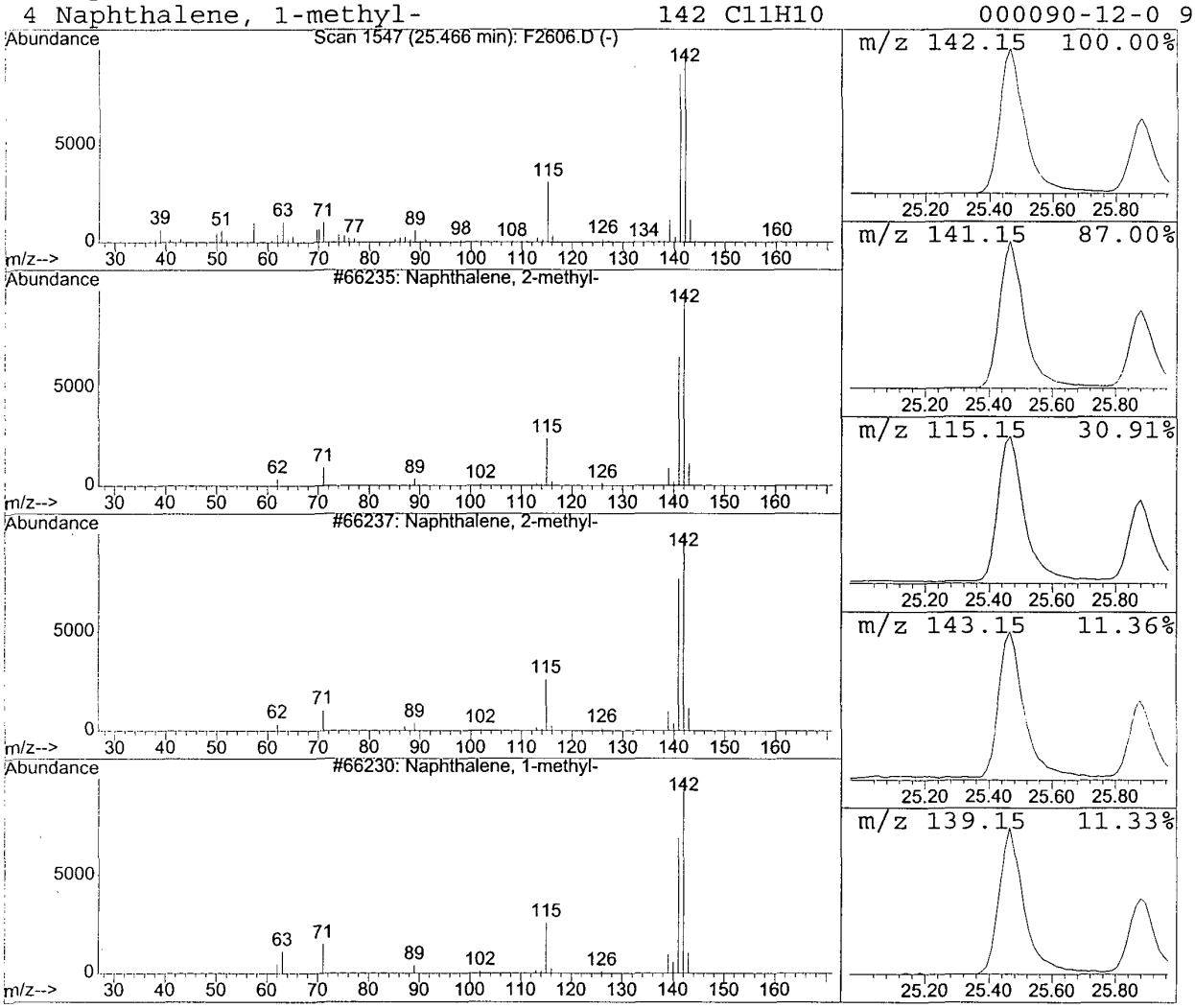
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 9 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.47	98.06 UG	24391500	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2606.D Vial: 21
Acq On : 27 Feb 2003 20:02 Operator: DSN
Sample : SB-X13-8/8-8.5,01398-004,M,0.009g,15.4 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,5 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

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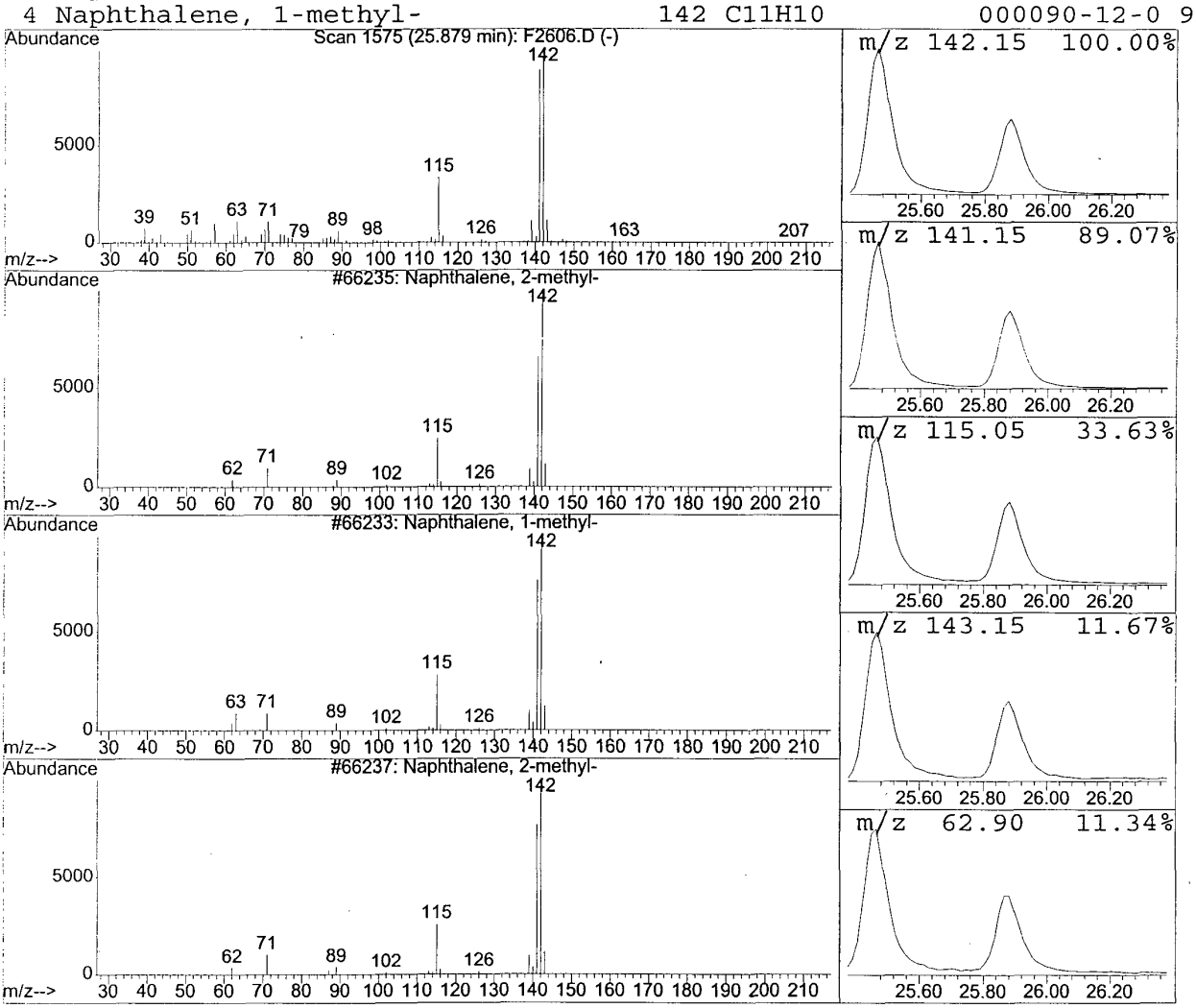
Peak Number 10 Unknown aromatic Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.88	55.89 UG	13901900	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



0183

303025

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2665.D Vial: 16
Acq On : 26 Feb 2003 17:34 Operator: DPEI
Sample : SB-X13-23.5/23.5-24,01398-005,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.21	168	709430	50.00 UG	-0.02
31) 1,4-Difluorobenzene	10.29	114	753844	50.00 UG	-0.03
50) Chlorobenzene-d5	14.61	117	608590	50.00 UG	-0.02

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.64	65	203391	37.26 UG	-0.03
Spiked Amount 50.000	Range 36 - 115		Recovery = 74.52%		
41) Toluene-d8	12.48	98	519604	40.18 UG	-0.01
Spiked Amount 50.000	Range 35 - 117		Recovery = 80.36%		
59) Bromofluorobenzene	16.40	95	334713	35.34 UG	0.00
Spiked Amount 50.000	Range 47 - 115		Recovery = 70.68%		

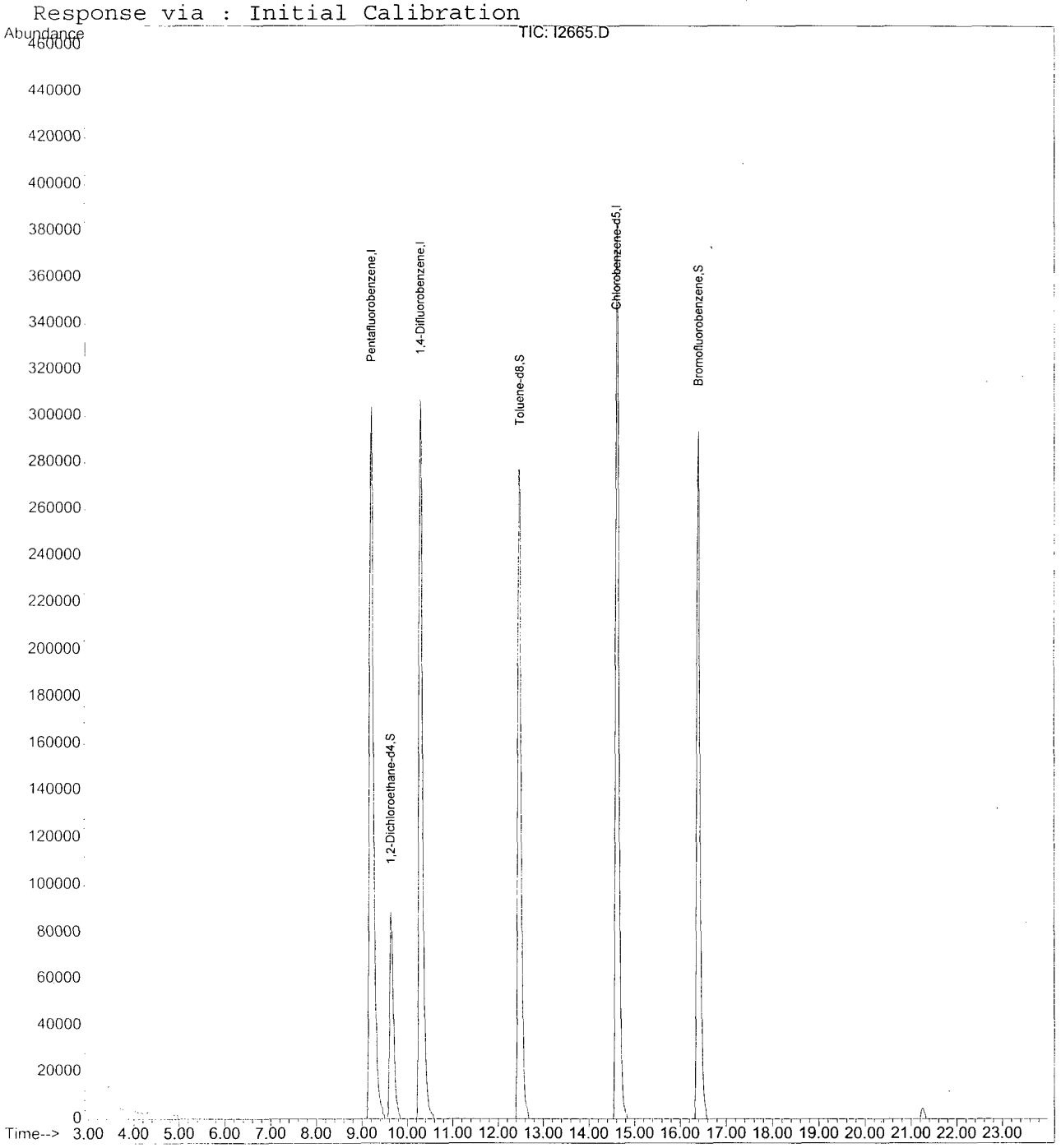
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2665.D Vial: 16
Acq On : 26 Feb 2003 17:34 Operator: DPEI
Sample : SB-X13-23.5/23.5-24,01398-005,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2665.D Vial: 16
Acq On : 26 Feb 2003 17:34 Operator: DPEI
Sample : SB-X13-23.5/23.5-24,01398-005,M,0.045g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

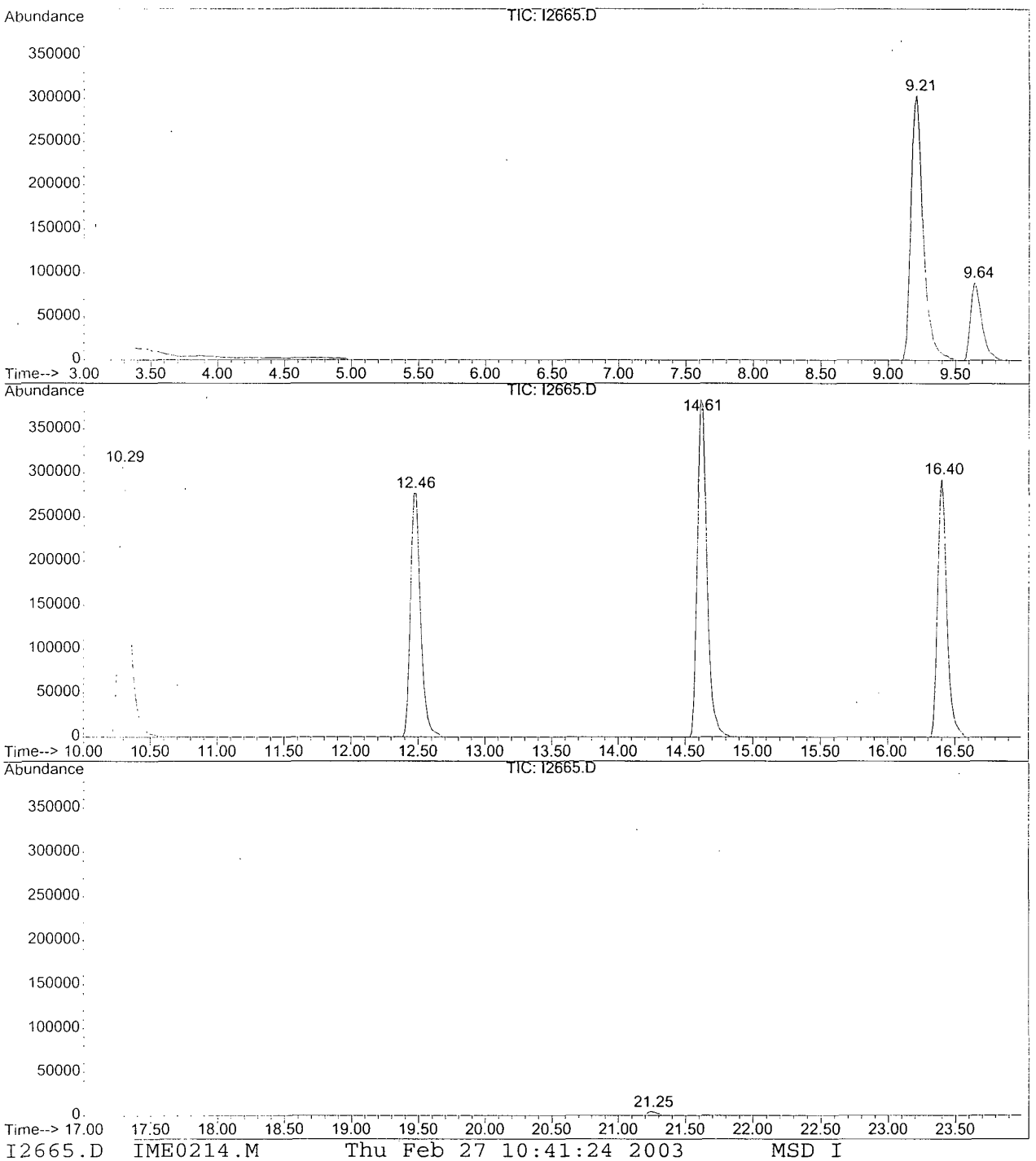
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.212	402	409	428	rBB	304014	1928221	100.00%	21.483%
2	9.643	432	437	450	rBB	89308	517808	26.85%	5.769%
3	10.291	473	479	496	rBV	307186	1764239	91.50%	19.656%
4	12.464	615	620	634	rBB2	277313	1450445	75.22%	16.160%
5	14.609	754	759	774	rBB	384478	1899635	98.52%	21.165%
6	16.401	870	875	887	rBB	293679	1394198	72.30%	15.533%
7	21.246	1186	1189	1194	rBB	4354	20927	1.09%	0.233%

Sum of corrected areas: 8975473

I2665.D IME0214.M Thu Feb 27 10:41:23 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2665.D
Operator : DPEI
Acquired : 26 Feb 2003 17:34 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-X13-23.5/23.5-24,01398-005,M,0.045g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 16
Quant File :IME0214.RES (RTE Integrator)



I2665.D IME0214.M Thu Feb 27 10:41:24 2003 MSD_I

0187

303029

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2666.D Vial: 17
Acq On : 26 Feb 2003 18:05 Operator: DPEI
Sample : SB-T15-0/0-0.5,01398-006,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.22	168	690190	50.00	UG	-0.01
31) 1,4-Difluorobenzene	10.31	114	741347	50.00	UG	0.00
50) Chlorobenzene-d5	14.63	117	600400	50.00	UG	0.00

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.67	65	204349	38.48	UG	0.00
Spiked Amount 50.000	Range 36 - 115		Recovery = 76.96%			
41) Toluene-d8	12.49	98	536982	42.22	UG	0.00
Spiked Amount 50.000	Range 35 - 117		Recovery = 84.44%			
59) Bromofluorobenzene	16.40	95	336982	36.06	UG	0.00
Spiked Amount 50.000	Range 47 - 115		Recovery = 72.12%			

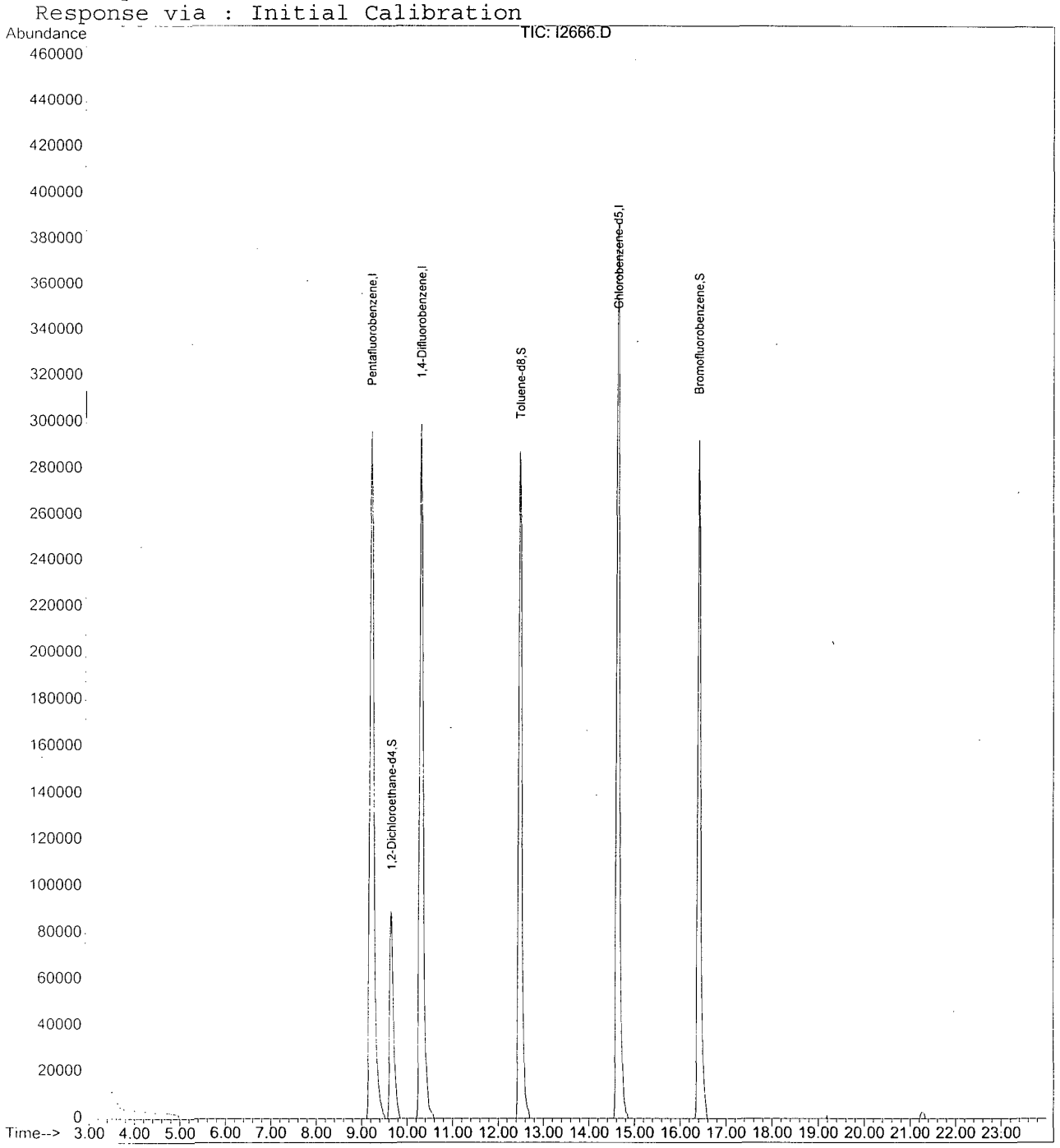
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2666.D Vial: 17
Acq On : 26 Feb 2003 18:05 Operator: DPEI
Sample : SB-T15-0/0-0.5,01398-006,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2666.D Vial: 17
Acq On : 26 Feb 2003 18:05 Operator: DPEI
Sample : SB-T15-0/0-0.5,01398-006,M,0.038g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

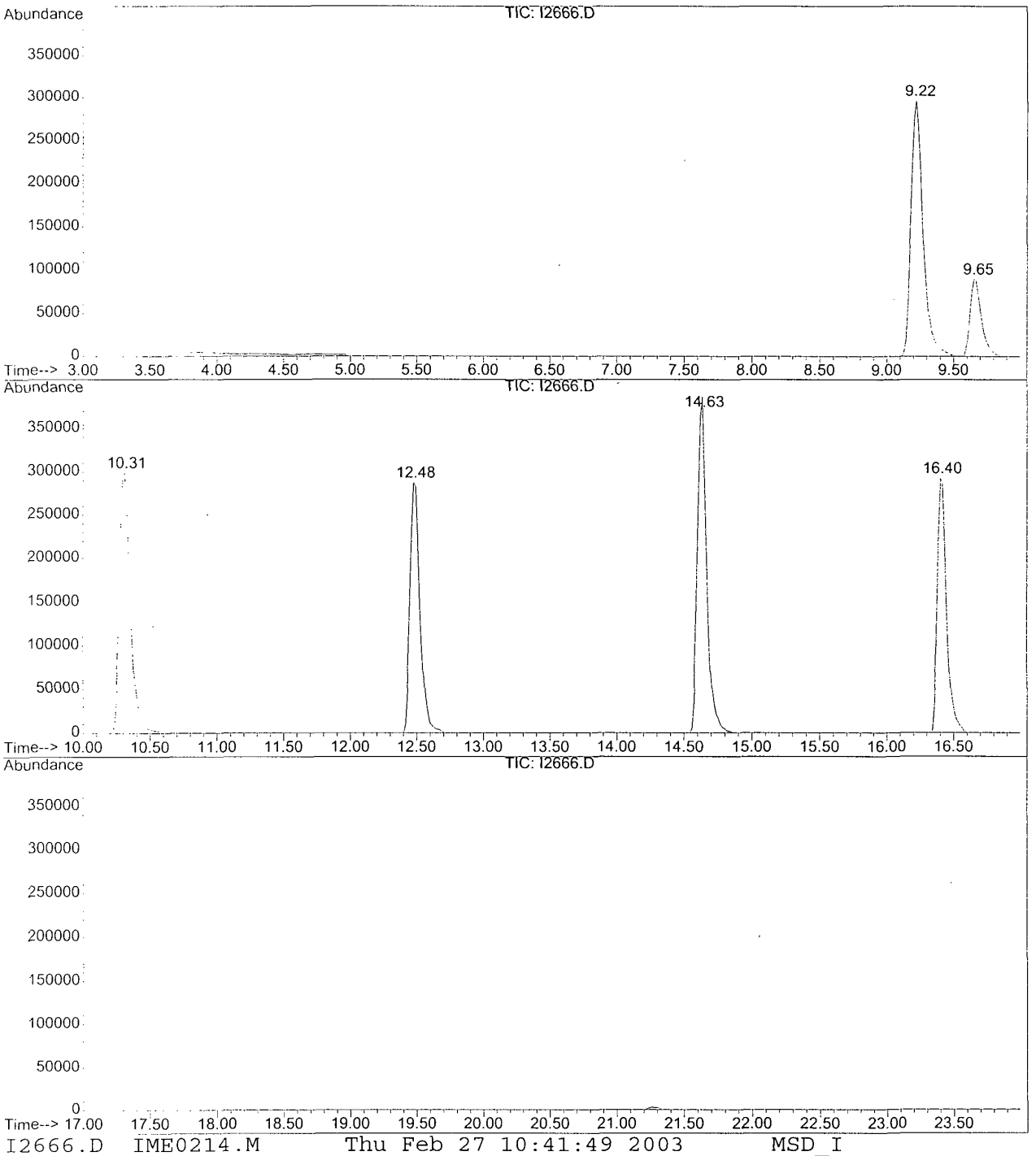
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.218	415	422	440	rBV	296500	1867011	100.00%	21.041%
2	9.651	446	451	464	rBB	89581	530609	28.42%	5.980%
3	10.310	488	495	514	rBB	299339	1724672	92.38%	19.437%
4	12.476	635	640	655	rBB2	287688	1501953	80.45%	16.927%
5	14.632	778	784	799	rBB	388238	1857518	99.49%	20.934%
6	16.400	897	902	915	rBB	292770	1391396	74.53%	15.681%

Sum of corrected areas: 8873159

I2666.D IME0214.M Thu Feb 27 10:41:49 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2666.D
Operator : DPEI
Acquired : 26 Feb 2003 18:05 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T15-0/0-0.5,01398-006,M,0.038g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 17
Quant File :IME0214.RES (RTE Integrator)



I2666.D IME0214.M Thu Feb 27 10:41:49 2003 MSD_I

0191

303033

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2667.D Vial: 18
Acq On : 26 Feb 2003 18:35 Operator: DPEI
Sample : SB-T15-8/8-8.5,01398-007,M,0.040g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.23	168	719412	50.00 UG	0.00
31) 1,4-Difluorobenzene	10.32	114	766197	50.00 UG	0.00
50) Chlorobenzene-d5	14.63	117	608196	50.00 UG	0.00

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.66	65	206967	37.39 UG	0.00
Spiked Amount 50.000	Range 36 - 115		Recovery = 74.78%		
41) Toluene-d8	12.49	98	549852	41.83 UG	0.00
Spiked Amount 50.000	Range 35 - 117		Recovery = 83.66%		
59) Bromofluorobenzene	16.42	95	343043	36.24 UG	0.02
Spiked Amount 50.000	Range 47 - 115		Recovery = 72.48%		

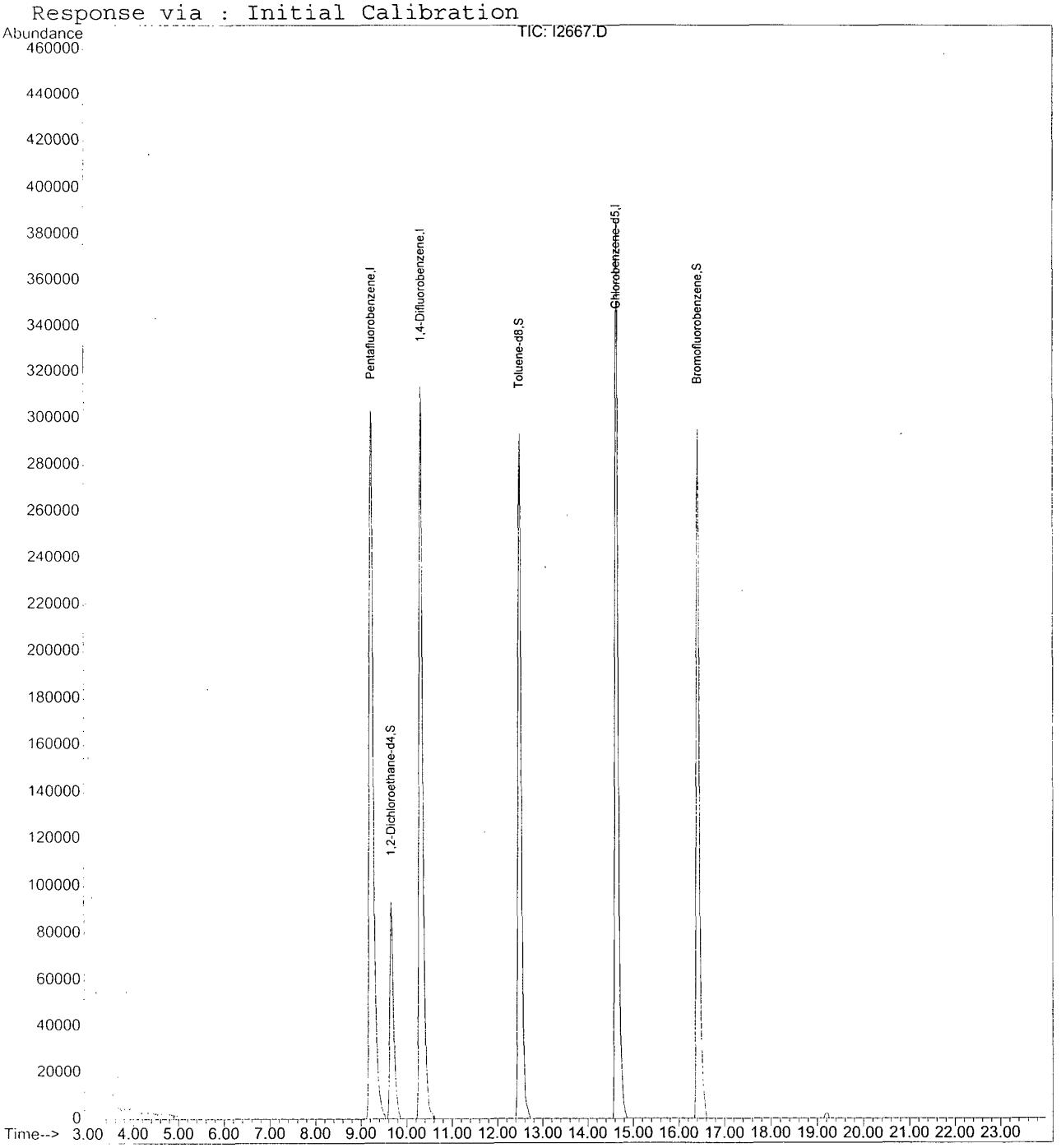
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2667.D Vial: 18
Acq On : 26 Feb 2003 18:35 Operator: DPEI
Sample : SB-T15-8/8-8.5,01398-007,M,0.040g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:41 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2667.D Vial: 18
Acq On : 26 Feb 2003 18:35 Operator: DPEI
Sample : SB-T15-8/8-8.5,01398-007,M,0.040g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

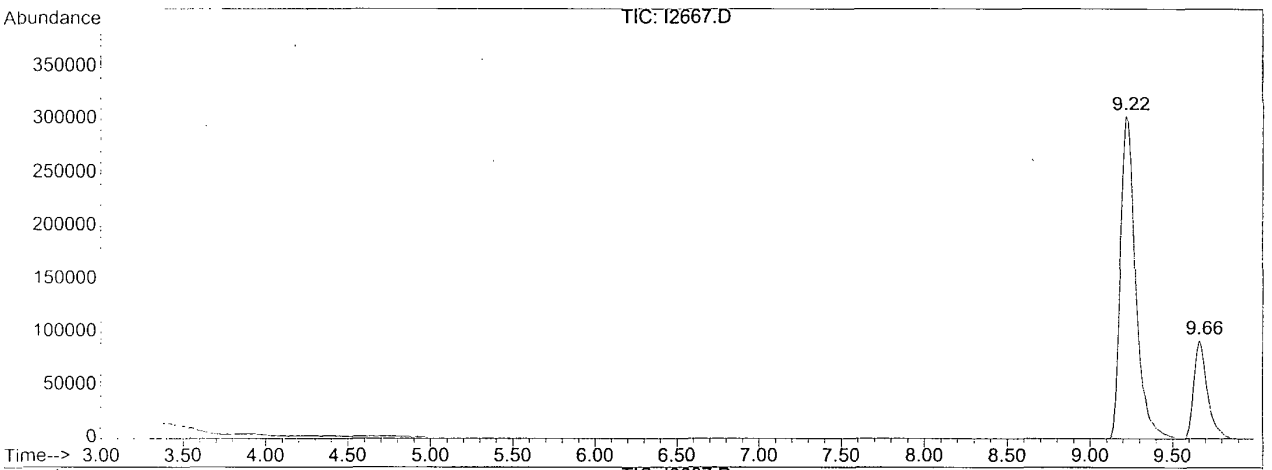
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.218	413	420	441	rBB	303523	1953683	100.00%	21.412%
2	9.663	444	450	463	rBB	93233	529474	27.10%	5.803%
3	10.319	487	494	512	rBB	313826	1792723	91.76%	19.648%
4	12.492	633	639	654	rBB	293207	1511332	77.36%	16.564%
5	14.629	776	781	796	rBB	385991	1909650	97.75%	20.930%
6	16.415	895	900	913	rBB	295159	1427328	73.06%	15.643%

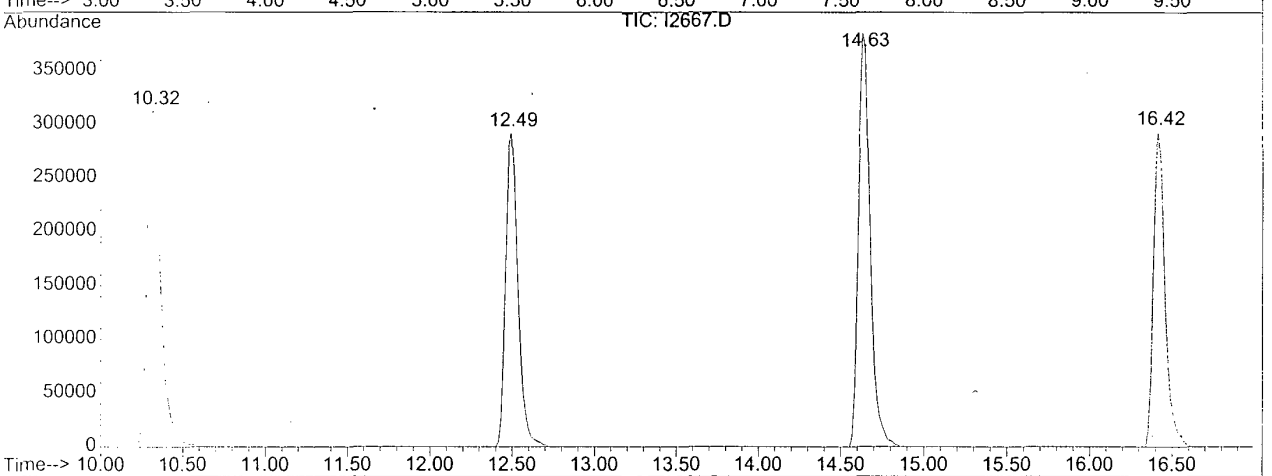
Sum of corrected areas: 9124190

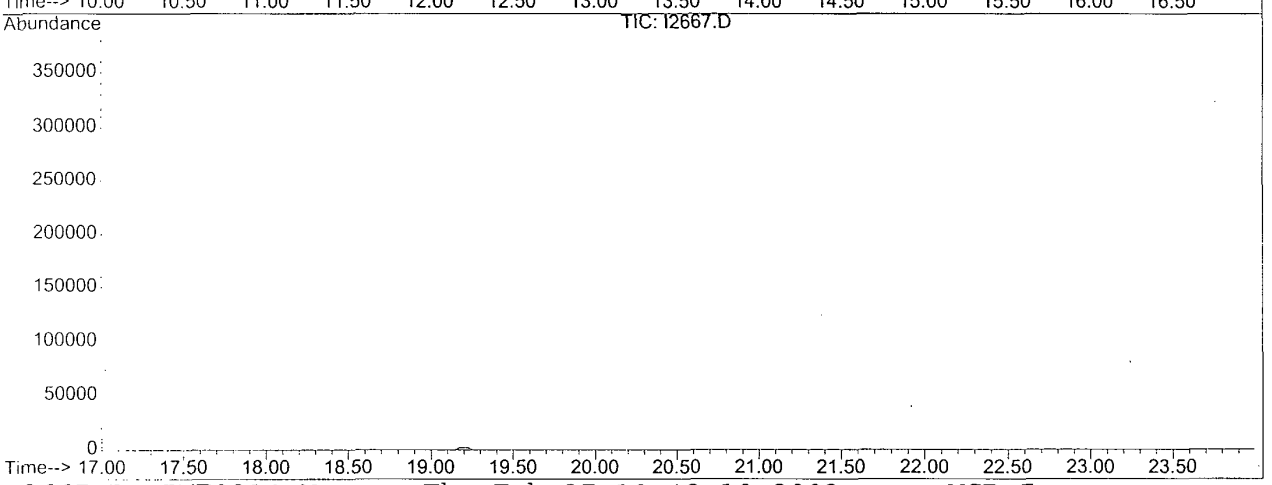
I2667.D IME0214.M Thu Feb 27 10:42:10 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2667.D
Operator : DPEI
Acquired : 26 Feb 2003 18:35 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T15-8/8-8.5,01398-007,M,0.040g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 18
Quant File :IME0214.RES (RTE Integrator)







I2667.D IME0214.M Thu Feb 27 10:42:10 2003 MSD_I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2668.D Vial: 19
Acq On : 26 Feb 2003 19:05 Operator: DPEI
Sample : SB-T28-0/0-0.5,01398-008,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:42 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.25	168	714859	50.00 UG	0.02
31) 1,4-Difluorobenzene	10.33	114	752093	50.00 UG	0.02
50) Chlorobenzene-d5	14.65	117	601752	50.00 UG	0.02

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.68	65	209938	38.16 UG	0.00
Spiked Amount 50.000	Range 36 - 115		Recovery = 76.32%		
41) Toluene-d8	12.51	98	548160	42.48 UG	0.02
Spiked Amount 50.000	Range 35 - 117		Recovery = 84.96%		
59) Bromofluorobenzene	16.44	95	341451	36.46 UG	0.04
Spiked Amount 50.000	Range 47 - 115		Recovery = 72.92%		

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
I2668.D IME0214.M Thu Feb 27 10:42:25 2003 MSD_I Page 1

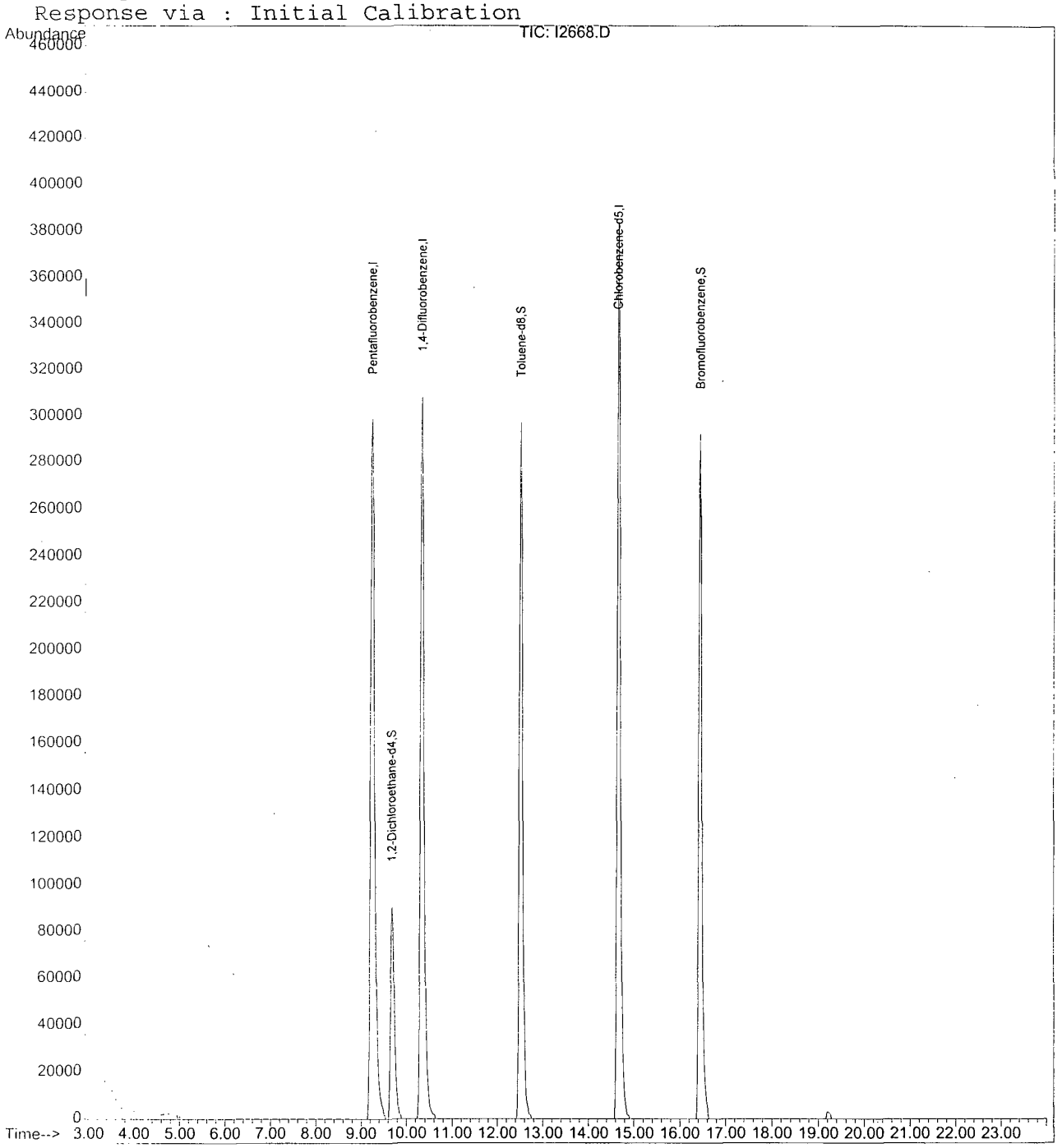
0196

303038

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2668.D Vial: 19
Acq On : 26 Feb 2003 19:05 Operator: DPEI
Sample : SB-T28-0/0-0.5,01398-008,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:42 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2668.D Vial: 19
Acq On : 26 Feb 2003 19:05 Operator: DPEI
Sample : SB-T28-0/0-0.5,01398-008,M,0.042g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

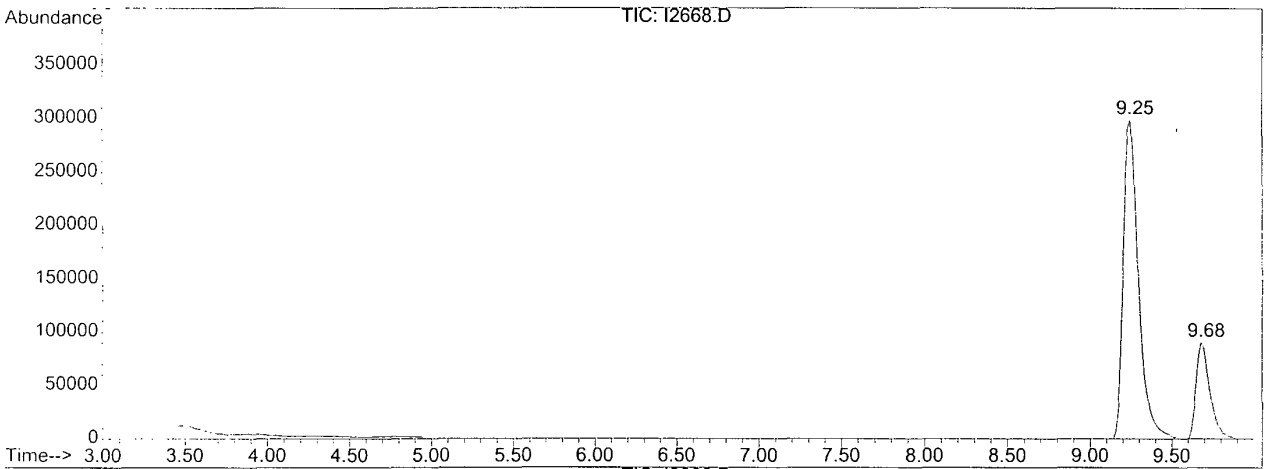
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.246	417	424	442	rBV	298966	1940263	100.00%	21.433%
2	9.678	448	453	467	rBB	90525	529581	27.29%	5.850%
3	10.334	490	497	517	rBB	308351	1766552	91.05%	19.514%
4	12.513	637	643	657	rBV	297464	1516265	78.15%	16.749%
5	14.649	781	786	801	rBV	384637	1883913	97.10%	20.811%
6	16.437	901	906	919	rBB	292652	1416101	72.99%	15.643%

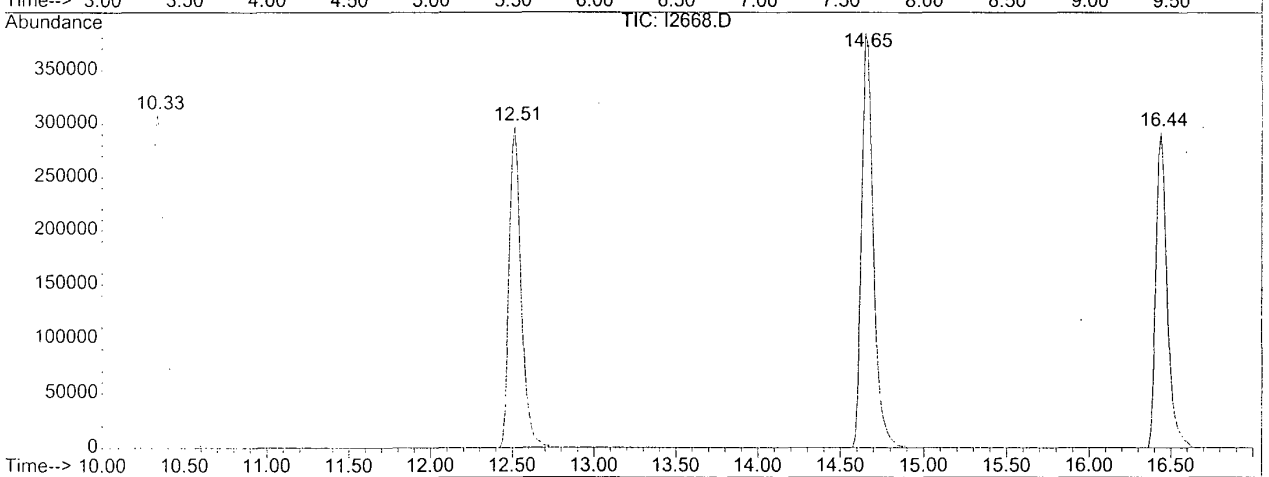
Sum of corrected areas: 9052675

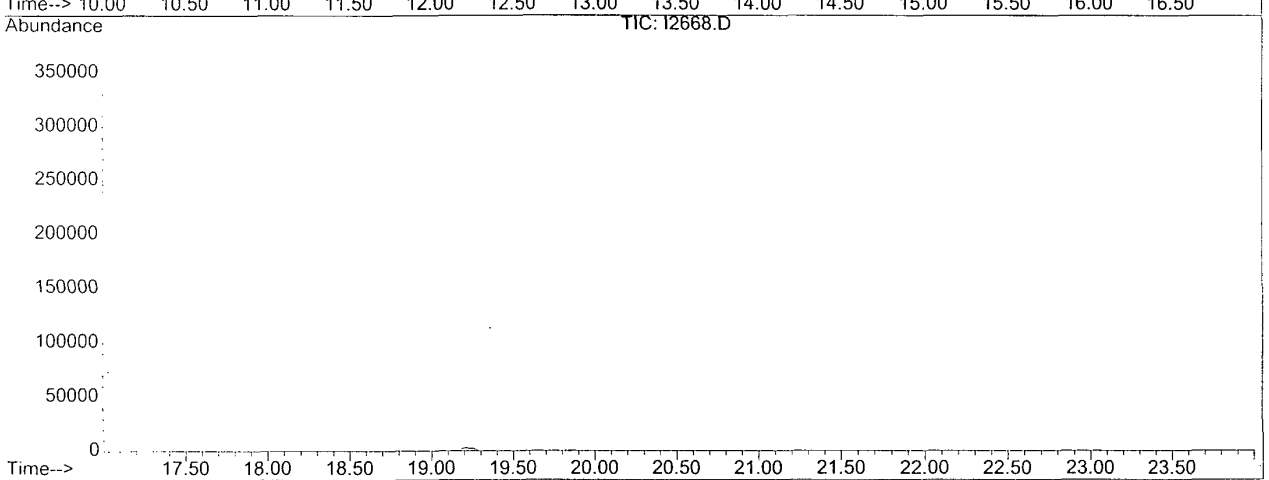
I2668.D IME0214.M Thu Feb 27 10:42:29 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2668.D
Operator : DPEI
Acquired : 26 Feb 2003 19:05 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T28-0/0-0.5,01398-008,M,0.042g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 19
Quant File :IME0214.RES (RTE Integrator)







I2668.D IME0214.M Thu Feb 27 10:42:29 2003 MSD_I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2669.D Vial: 20
Acq On : 26 Feb 2003 19:35 Operator: DPEI
Sample : SB-T28-8/8-11,01398-009,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:42 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	9.26	168	698280	50.00	UG	0.03
31) 1,4-Difluorobenzene	10.34	114	734642	50.00	UG	0.02
50) Chlorobenzene-d5	14.67	117	610546	50.00	UG	0.05

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.70	65	183058	34.07	UG	0.02
Spiked Amount 50.000	Range 36 - 115		Recovery = 68.14%			
41) Toluene-d8	12.52	98	498894	39.58	UG	0.02
Spiked Amount 50.000	Range 35 - 117		Recovery = 79.16%			
59) Bromofluorobenzene	16.44	95	309585	32.58	UG	0.04
Spiked Amount 50.000	Range 47 - 115		Recovery = 65.16%			

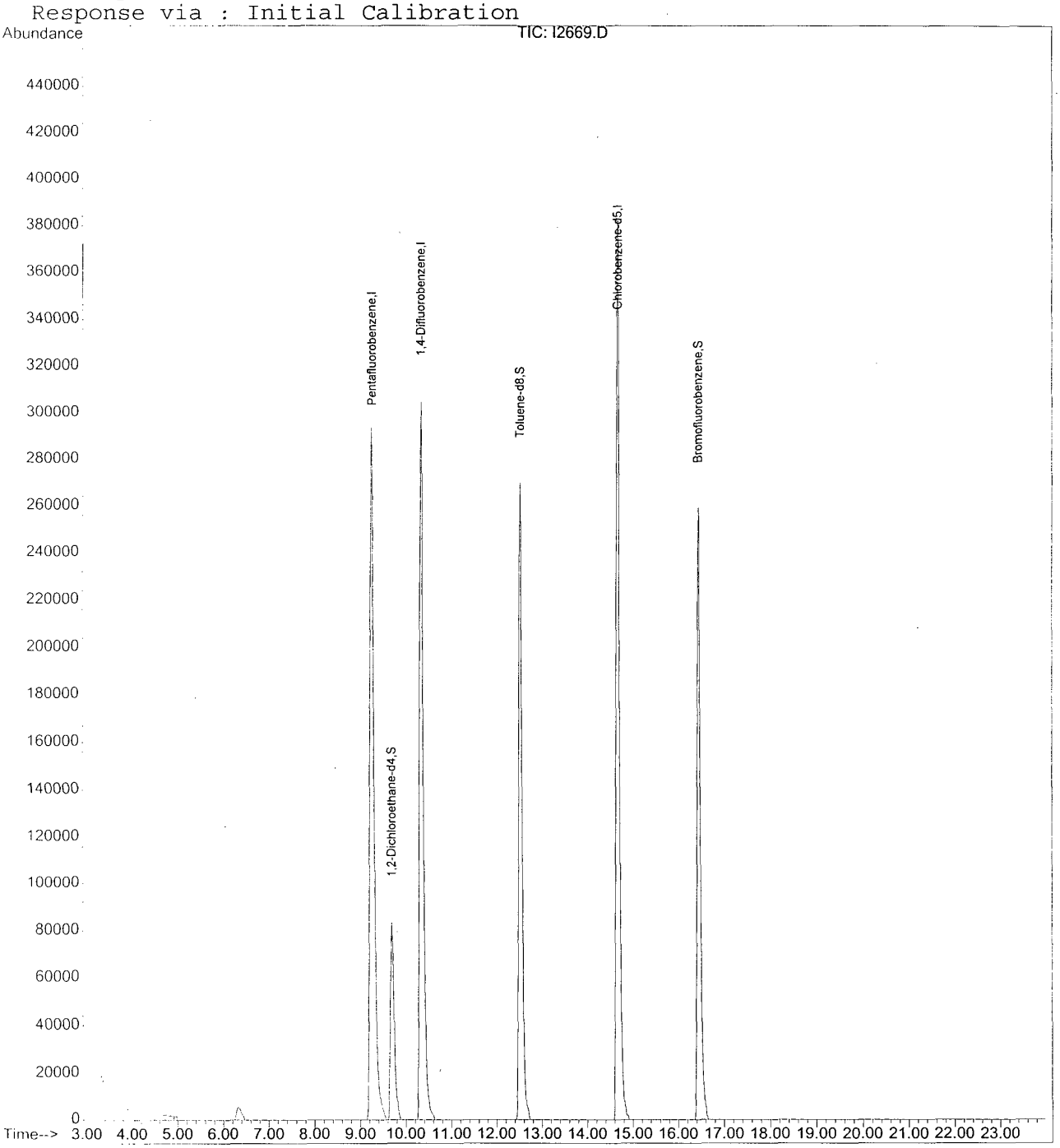
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2669.D Vial: 20
Acq On : 26 Feb 2003 19:35 Operator: DPEI
Sample : SB-T28-8/8-11,01398-009,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:42 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



0201

303043

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2669.D Vial: 20
Acq On : 26 Feb 2003 19:35 Operator: DPEI
Sample : SB-T28-8/8-11,01398-009,M,0.044g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

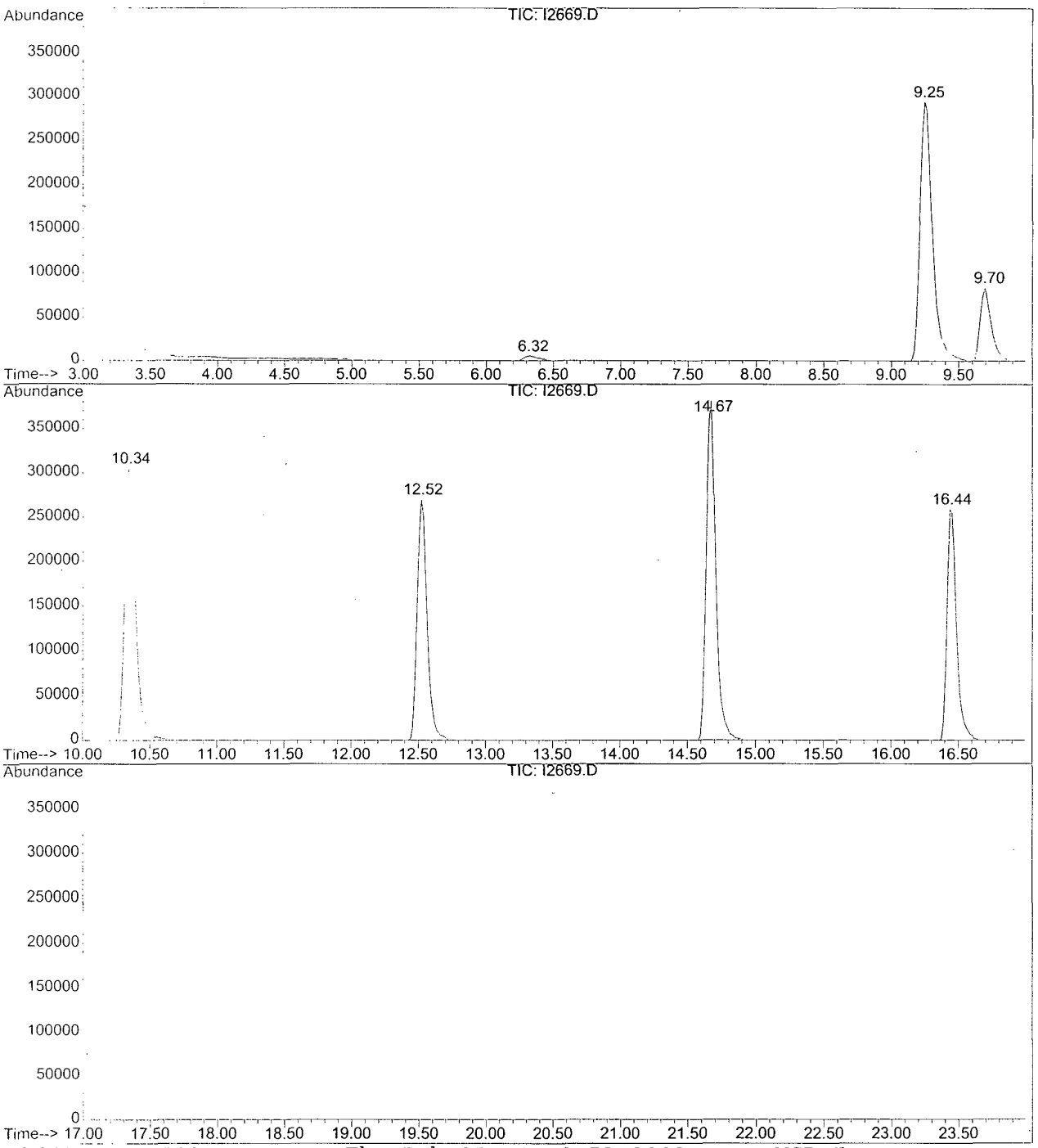
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.322	223	228	237	rBB	5460	39546	2.09%	0.459%
2	9.248	416	423	444	rBB	294029	1890459	100.00%	21.941%
3	9.696	447	453	465	rBB	83450	471725	24.95%	5.475%
4	10.340	490	496	515	rBB	305061	1729115	91.47%	20.068%
5	12.517	635	641	655	rBB	270057	1375896	72.78%	15.969%
6	14.671	779	785	799	rBV	382285	1851169	97.92%	21.485%
7	16.435	898	903	917	rBB	259340	1258316	66.56%	14.604%

Sum of corrected areas: 8616226

I2669.D IME0214.M Thu Feb 27 10:42:53 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2669.D
Operator : DPEI
Acquired : 26 Feb 2003 19:35 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T28-8/8-11,01398-009,M,0.044g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 20
Quant File :IME0214.RES (RTE Integrator)



I2669.D IME0214.M Thu Feb 27 10:42:53 2003 MSD_I

0203

303045

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 28 9:20 2003 Quant Results File: FME0219.RES

Quant 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
DataAcq Meth : VOAF

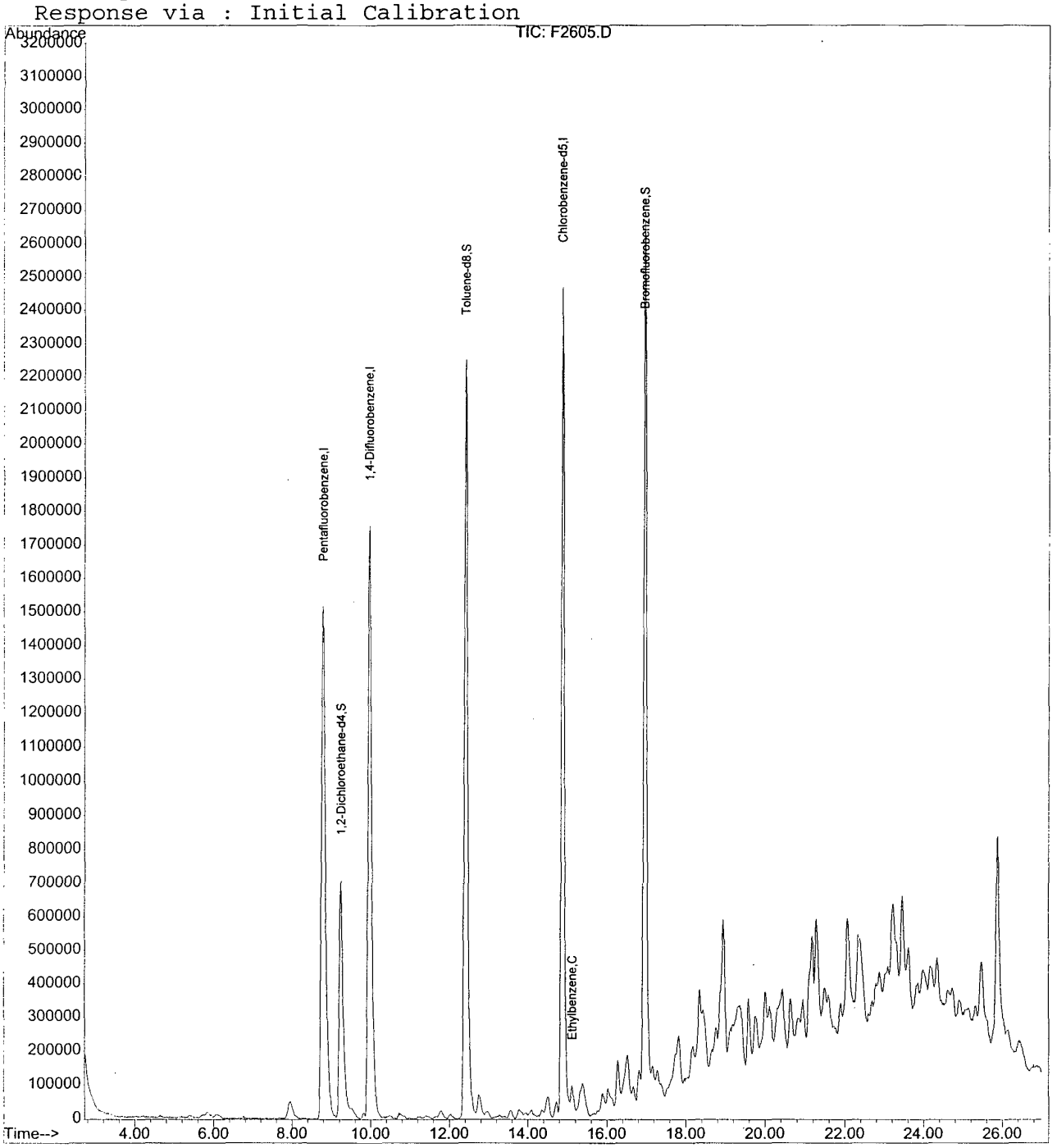
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	8.79	168	3622649	50.00 UG	-0.07
31) 1,4-Difluorobenzene	9.96	114	4183791	50.00 UG	-0.07
50) Chlorobenzene-d5	14.87	117	3585148	50.00 UG	-0.07
System Monitoring Compounds					
30) 1,2-Dichloroethane-d4	9.24	65	1663571	50.18 UG	-0.05
Spiked Amount 50.000	Range 27 - 176		Recovery = 100.36%		
41) Toluene-d8	12.41	98	4092250	56.99 UG	-0.06
Spiked Amount 50.000	Range 20 - 158		Recovery = 113.98%		
59) Bromofluorobenzene	16.95	95	3082695	51.41 UG	-0.07
Spiked Amount 50.000	Range 28 - 148		Recovery = 102.82%		
Target Compounds					Qvalue
53) Ethylbenzene	15.12	91	129734	1.00 UG	100

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 28 9:20 2003 Quant Results File: FME0219.RES

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



0205

303047

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 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	7.950	344	357	366	rBV2	49775	401991	3.06%	0.423%
2	8.787	405	414	433	rBV	1514801	10944067	83.22%	11.522%
3	9.243	436	445	462	rBV	700617	4869705	37.03%	5.127%
4	9.962	487	494	516	rVB	1753679	11353232	86.33%	11.953%
5	11.783	612	618	629	rVB3	24200	177376	1.35%	0.187%
6	12.415	647	661	678	rBV	2250089	13151419	100.00%	13.846%
7	12.753	678	684	693	rVV5	69092	489655	3.72%	0.516%
8	12.973	693	699	705	rVB5	19203	135590	1.03%	0.143%
9	13.561	733	739	746	rVB3	23567	142449	1.08%	0.150%
10	13.766	746	753	758	rBV4	27648	168401	1.28%	0.177%
11	14.500	796	803	811	rVB5	59236	376545	2.86%	0.396%
12	14.721	811	818	821	rBV2	45273	207132	1.57%	0.218%
13	14.868	821	828	841	rVV	2460711	12599516	95.80%	13.265%
14	15.118	841	845	851	rVV	89004	471860	3.59%	0.497%
15	15.382	851	863	876	rVB6	94254	962938	7.32%	1.014%
16	15.896	891	898	903	rVV4	53040	327943	2.49%	0.345%
17	16.028	903	907	917	rVB5	53655	330201	2.51%	0.348%
18	16.278	918	924	930	rBV2	131899	696959	5.30%	0.734%
19	16.514	931	940	948	rVB5	114840	815075	6.20%	0.858%
20	16.675	948	951	956	rVB5	42374	163534	1.24%	0.172%
21	16.822	956	961	964	rBV4	90924	441576	3.36%	0.465%
22	16.955	964	970	981	rVV	2556062	12652010	96.20%	13.320%
23	17.278	989	992	997	rVB5	43389	165728	1.26%	0.174%
24	17.734	1019	1023	1025	rBV4	57963	227303	1.73%	0.239%
25	18.175	1046	1053	1057	rBV7	97413	618040	4.70%	0.651%
26	18.352	1060	1065	1069	rBV	171591	882952	6.71%	0.930%
27	18.661	1082	1086	1087	rBV3	46234	150553	1.14%	0.159%
28	18.941	1097	1105	1112	rVB4	400664	2641176	20.08%	2.781%
29	19.588	1144	1149	1155	rBV	200658	993563	7.55%	1.046%
30	19.765	1156	1161	1167	rVV8	109320	682816	5.19%	0.719%
31	20.015	1175	1178	1181	rVB3	78517	252520	1.92%	0.266%

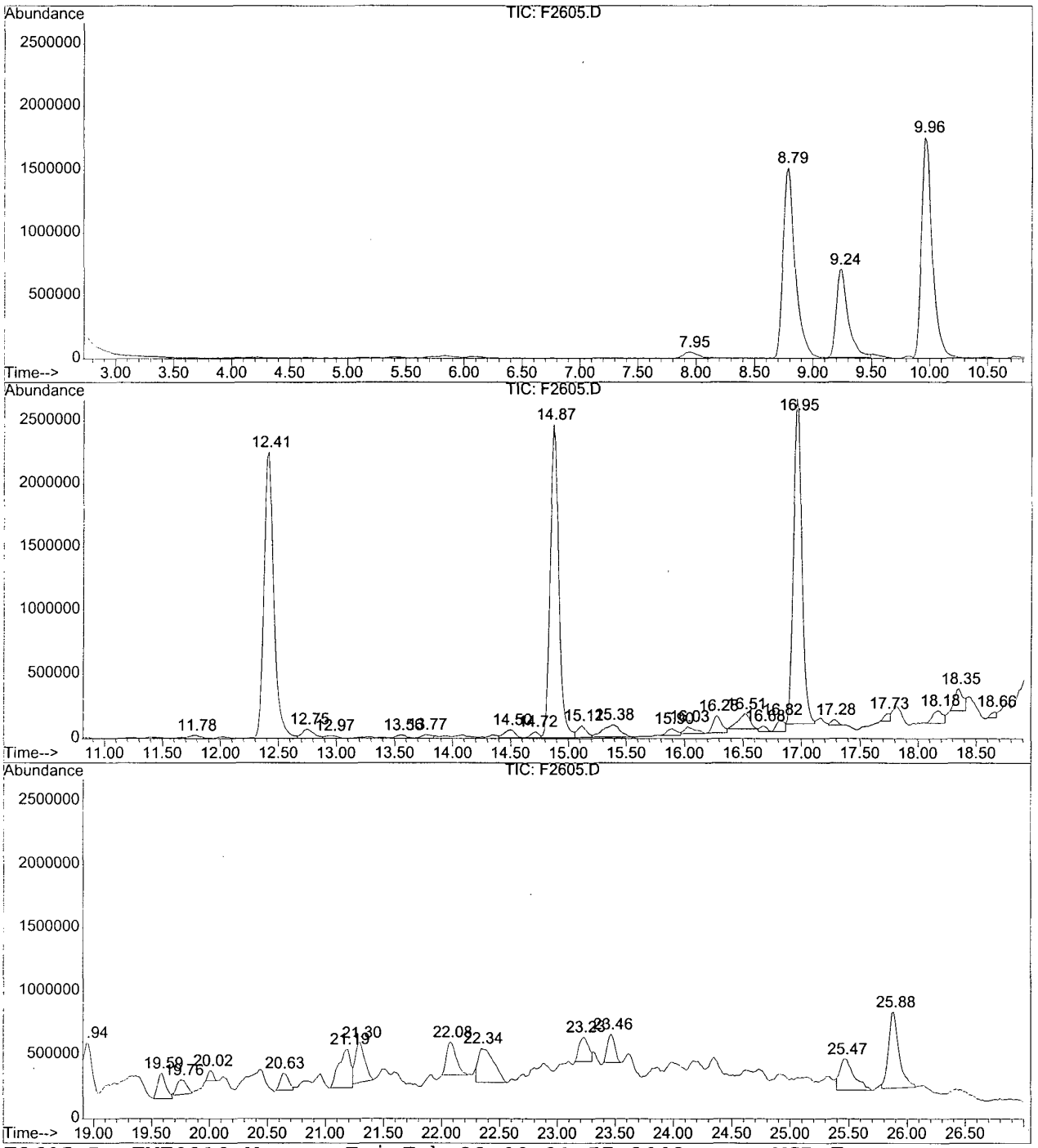
32	20.633	1216	1220	1226	rBV4	134762	690347	5.25%	0.727%
33	21.193	1248	1258	1261	rBV7	302991	2205403	16.77%	2.322%
34	21.296	1261	1265	1273	rVB4	302060	1743526	13.26%	1.836%
35	22.077	1313	1318	1328	rBV6	257530	1508752	11.47%	1.588%
36	22.343	1333	1336	1351	rVB3	265172	2427165	18.46%	2.555%
37	23.227	1391	1396	1401	rBV5	191992	1122574	8.54%	1.182%
38	23.463	1408	1412	1418	rVB2	222159	981691	7.46%	1.034%
39	25.469	1543	1548	1564	rVB2	244631	2052437	15.61%	2.161%
40	25.882	1569	1576	1589	rVB	592811	3756185	28.56%	3.955%

Sum of corrected areas: 94981905

F2605.D FME0219.M Fri Feb 28 09:21:57 2003 MSD_F

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-27-03\F2605.D
Operator : DSN
Acquired : 27 Feb 2003 19:29 using AcqMethod VOAF
Instrument : 5970 - In
Sample Name: SB-T28-15.5/15.5-16,01398-010,M,0.047g,1
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 20
Quant File :FME0219.RES (RTE Integrator)



F2605.D FME0219.M Fri Feb 28 09:21:57 2003 MSD_F

0208

303050

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

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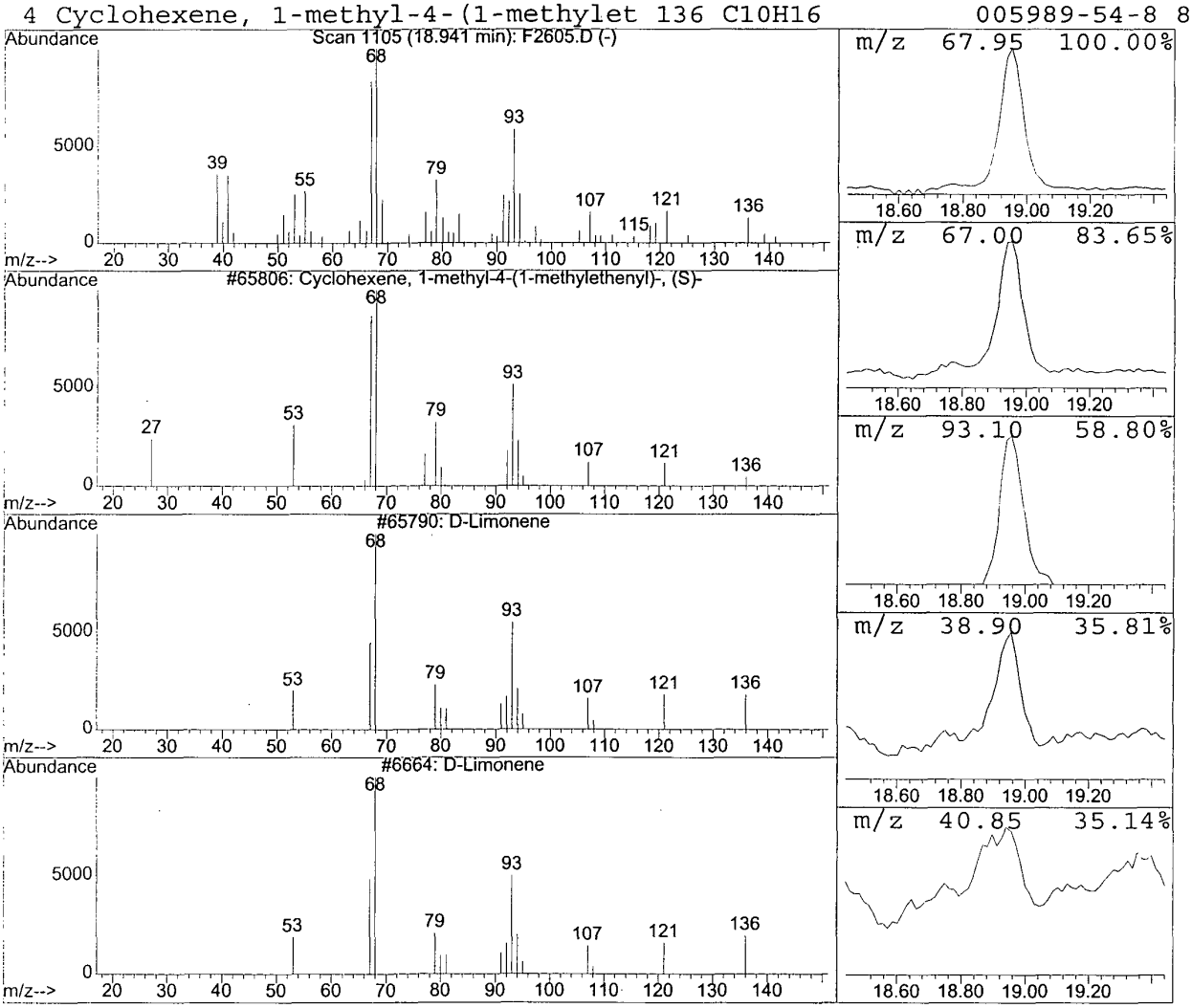
Peak Number 1 Unknown cyclic hydrocarbon Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	10.48 UG	2641180	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methylet	136	C10H16	005989-54-8	90
2	D-Limonene	136	C10H16	005989-27-5	81
3	D-Limonene	136	C10H16	005989-27-5	81
4	Cyclohexene, 1-methyl-4-(1-methylet	136	C10H16	005989-54-8	81



0209

303051

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

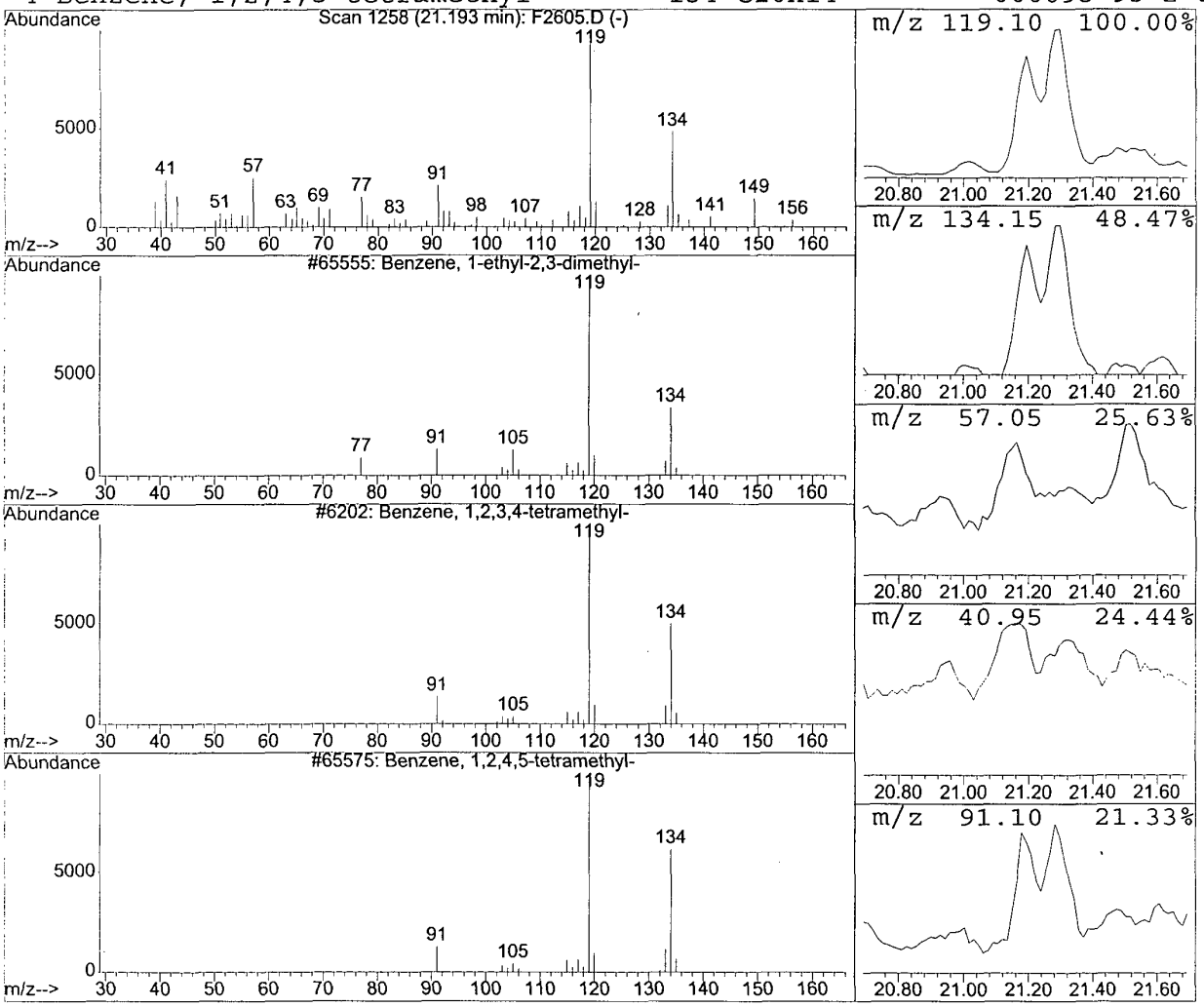
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 2 Substituted benzene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.19	8.75 UG	2205400	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87



0210

303052

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

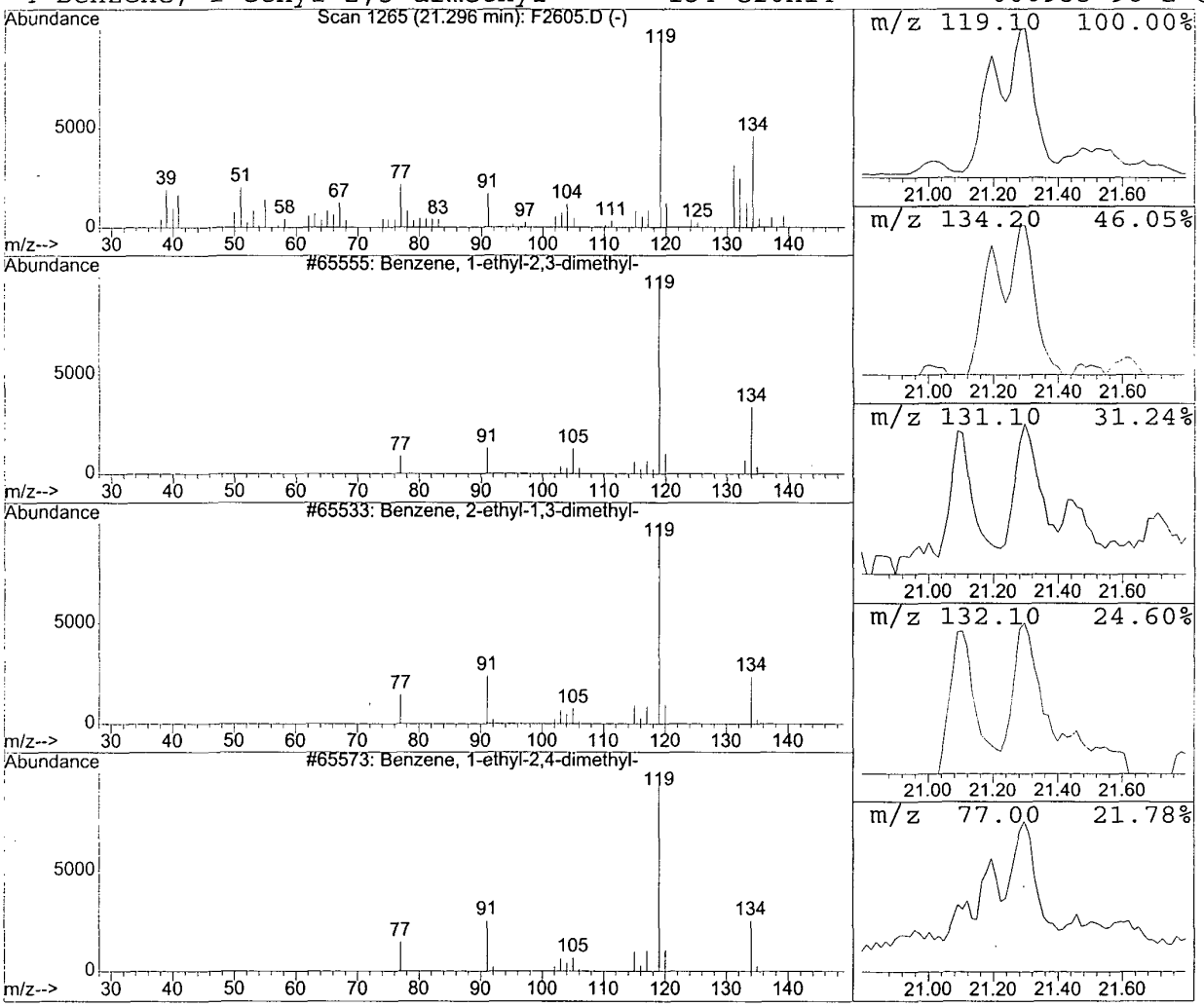
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 3 Substituted benzene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	6.92 UG	1743530	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	70
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64



0211

303053

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

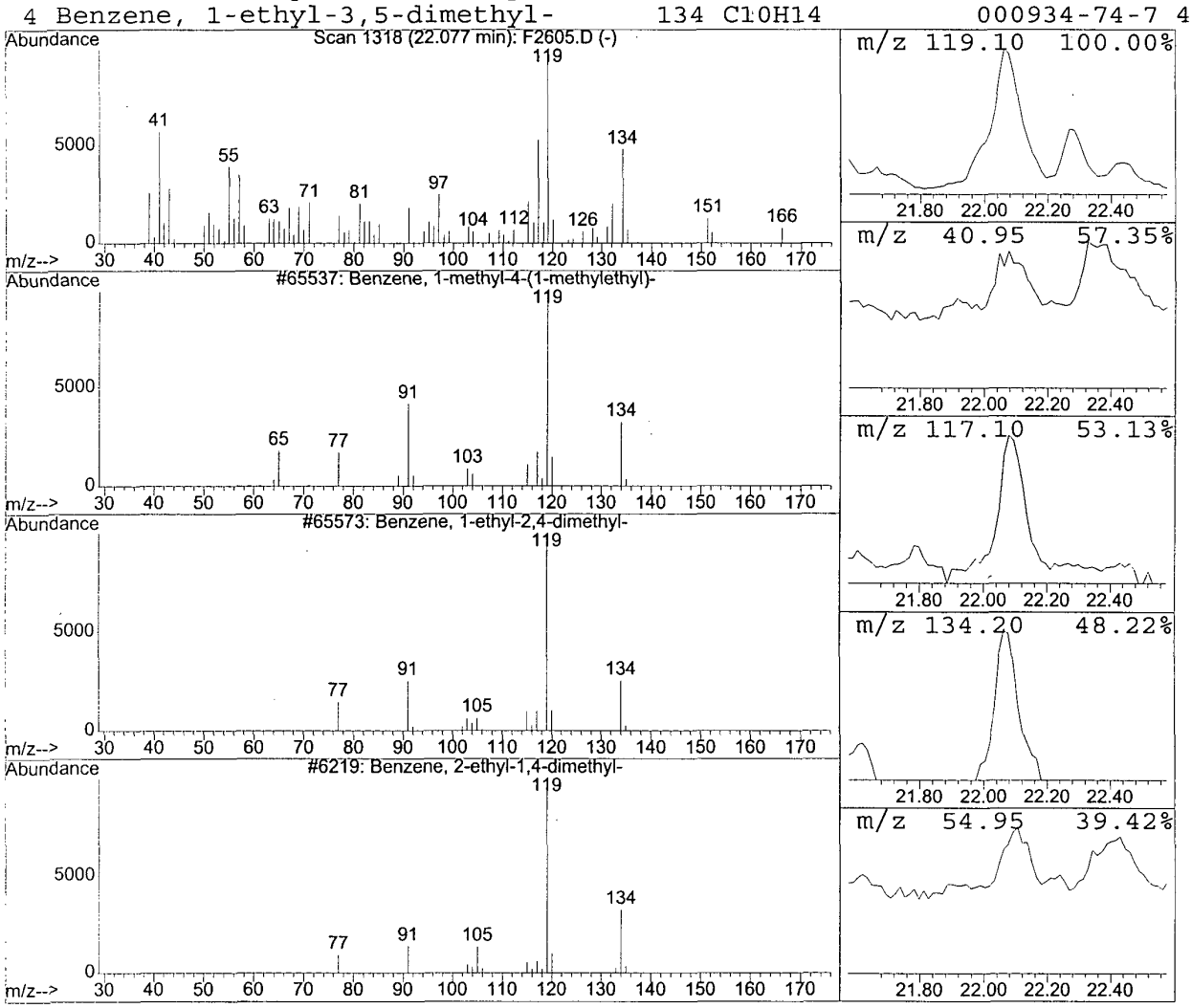
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 4 Substituted benzene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.08	5.99 UG	1508750	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylethyl)	134	C10H14	000099-87-6	46
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46



0212

303054

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

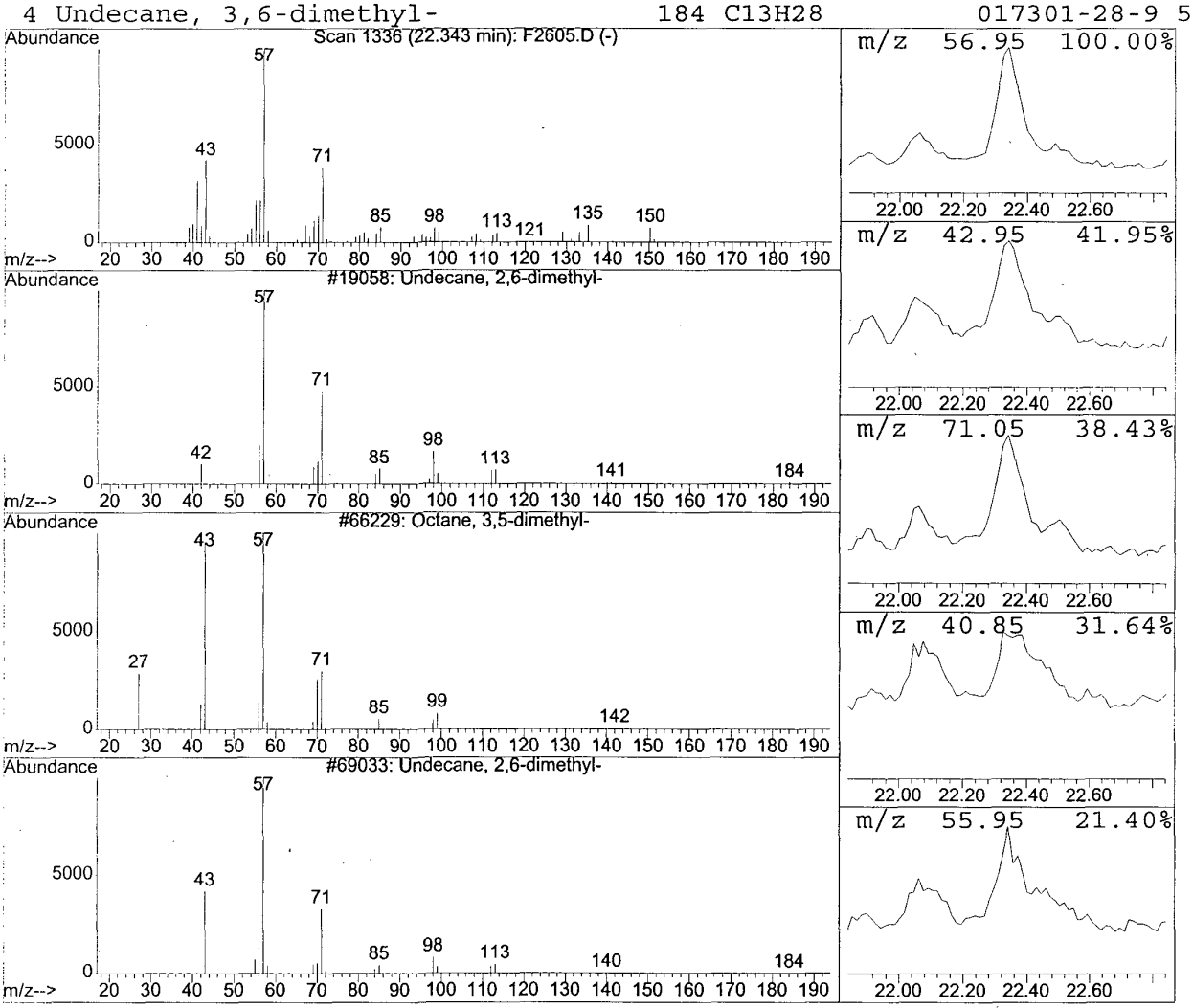
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 5 Unknown alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	9.63 UG	2427170	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53



0213

303055

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

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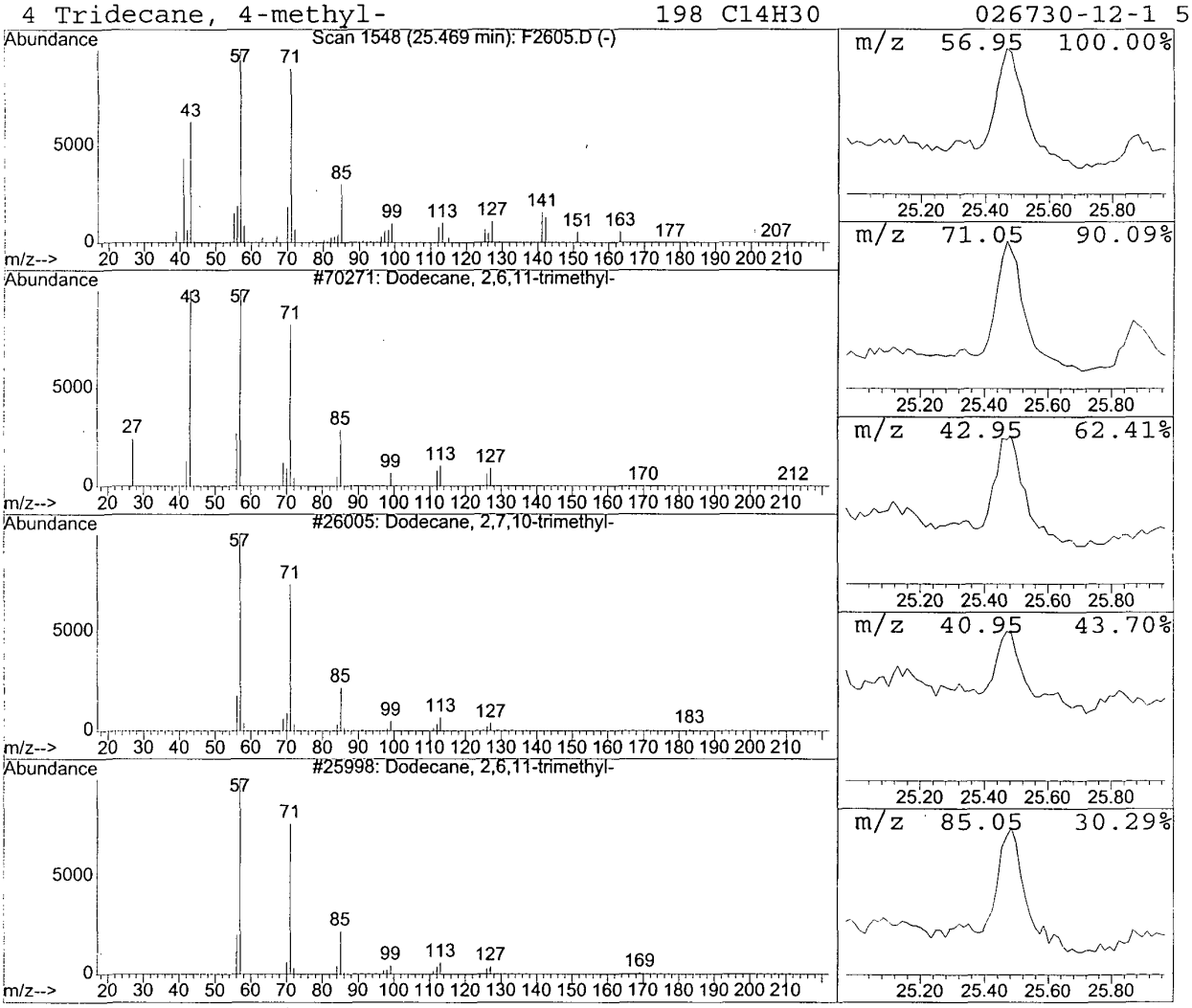
Peak Number 6 Unknown alkane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.47	8.14 UG	2052440	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	59



0214

303056

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2605.D Vial: 20
Acq On : 27 Feb 2003 19:29 Operator: DSN
Sample : SB-T28-15.5/15.5-16,01398-010,M,0.047g,1 Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

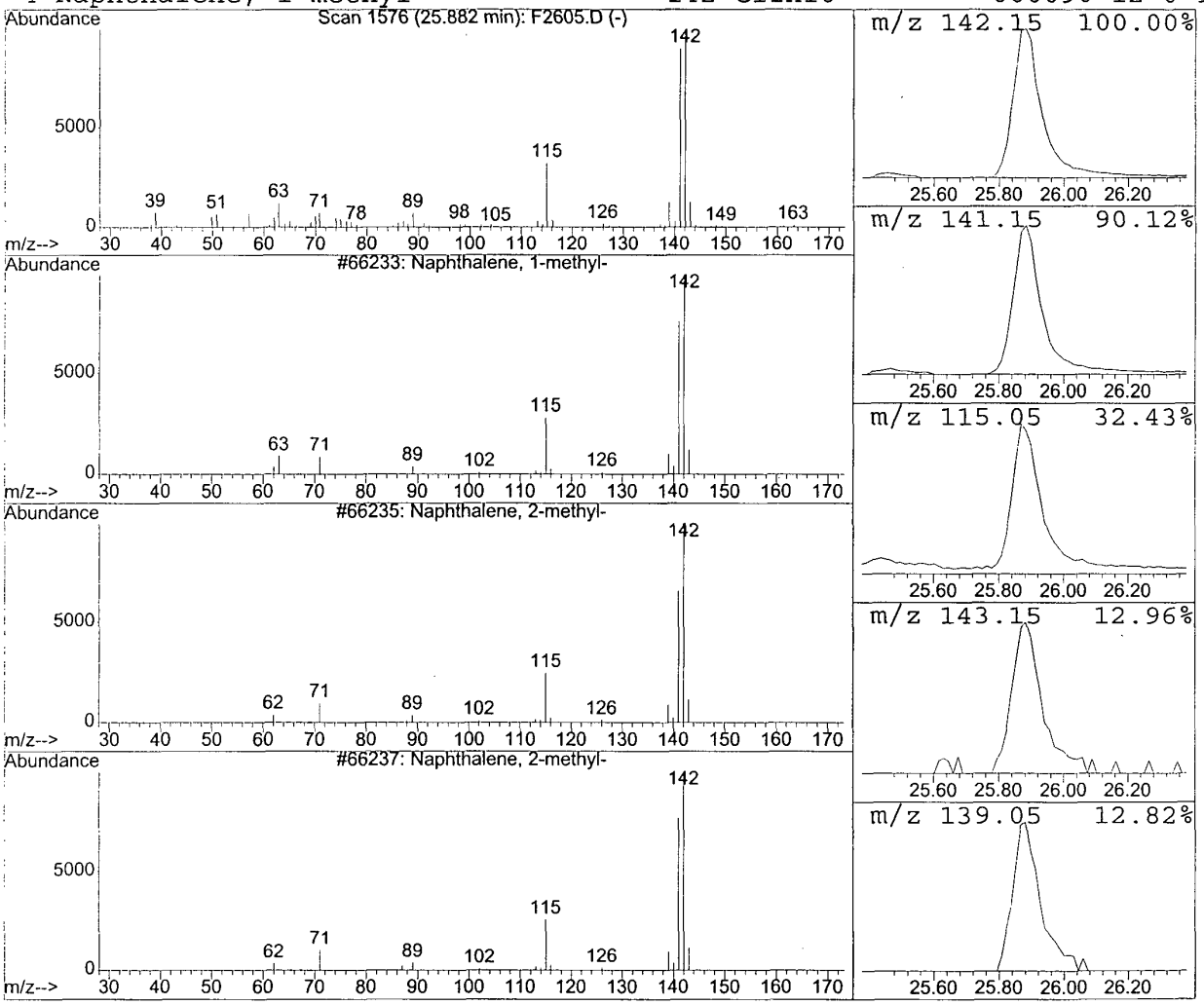
Quant Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Library : C:\DATABASE\NNBS75K.L

****

Peak Number 7 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.88	14.91 UG	3756190	Chlorobenzene-d5	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



0215

303057

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2670.D Vial: 21
Acq On : 26 Feb 2003 20:05 Operator: DPEI
Sample : SB-T28-37.5/37.5-38,01398-012,M,0.040g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 10:43 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.26	168	696751	50.00 UG	0.03
31) 1,4-Difluorobenzene	10.35	114	724309	50.00 UG	0.03
50) Chlorobenzene-d5	14.67	117	583038	50.00 UG	0.05

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.70	65	196837	36.71 UG	0.03
Spiked Amount 50.000	Range 36 - 115		Recovery = 73.42%		
41) Toluene-d8	12.52	98	531608	42.78 UG	0.03
Spiked Amount 50.000	Range 35 - 117		Recovery = 85.56%		
59) Bromofluorobenzene	16.45	95	318556	35.11 UG	0.05
Spiked Amount 50.000	Range 47 - 115		Recovery = 70.22%		

Target Compounds Qvalue

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

Sample : SB-T28-37.5/37.5-38,01398-012,M,0.040g Inst : 5970 - In
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

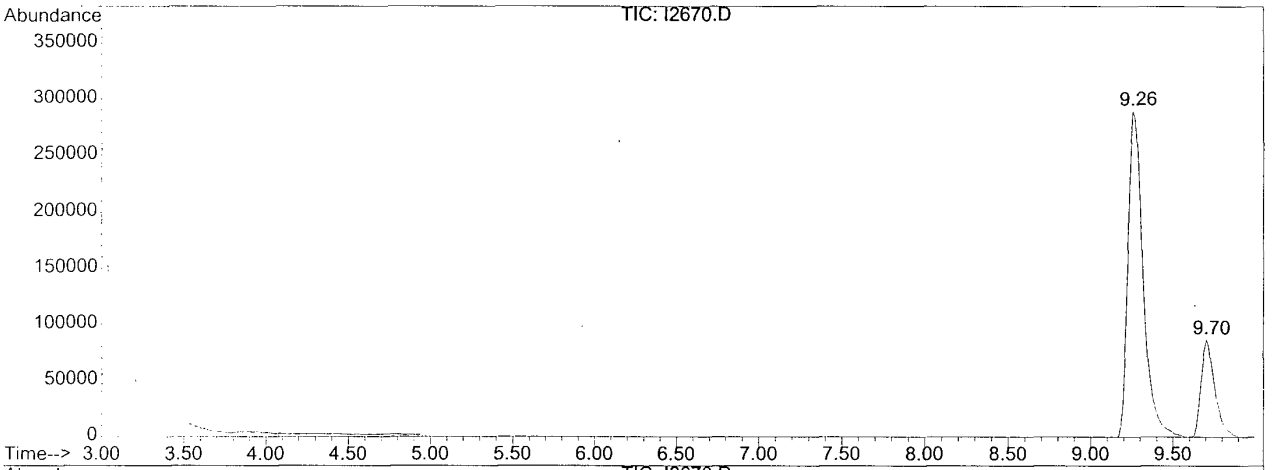
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.255	416	422	443	rBB	289425	1866766	100.00%	21.587%
2	9.704	446	452	465	rBB	86711	504179	27.01%	5.830%
3	10.349	489	495	515	rBB	296340	1699335	91.03%	19.651%
4	12.524	634	640	656	rBB	283731	1454722	77.93%	16.822%
5	14.672	778	783	798	rBB	365118	1805495	96.72%	20.878%
6	16.445	896	901	915	rBB	277725	1317197	70.56%	15.232%

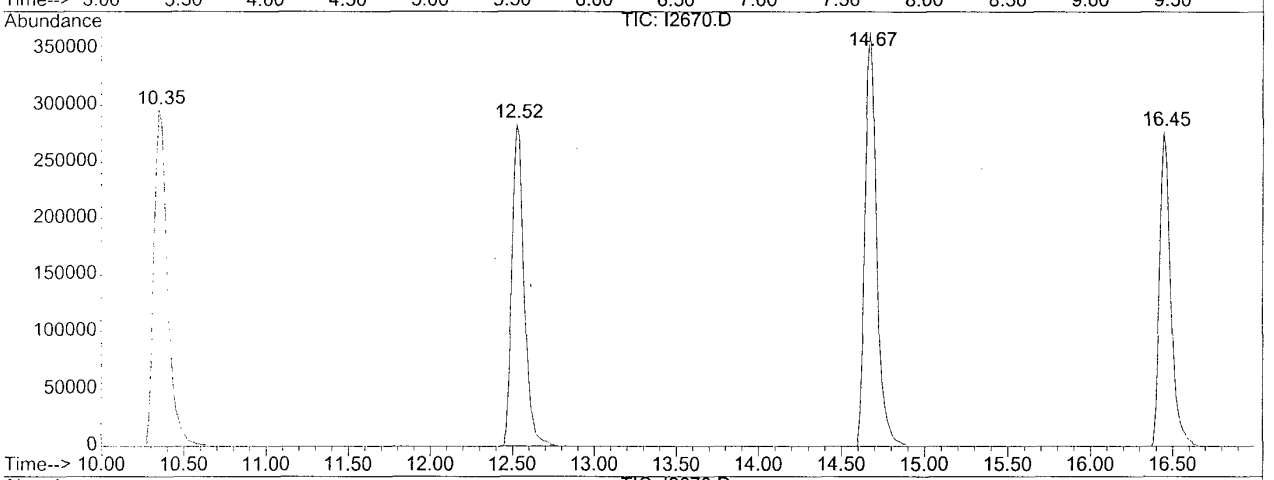
Sum of corrected areas: 8647694

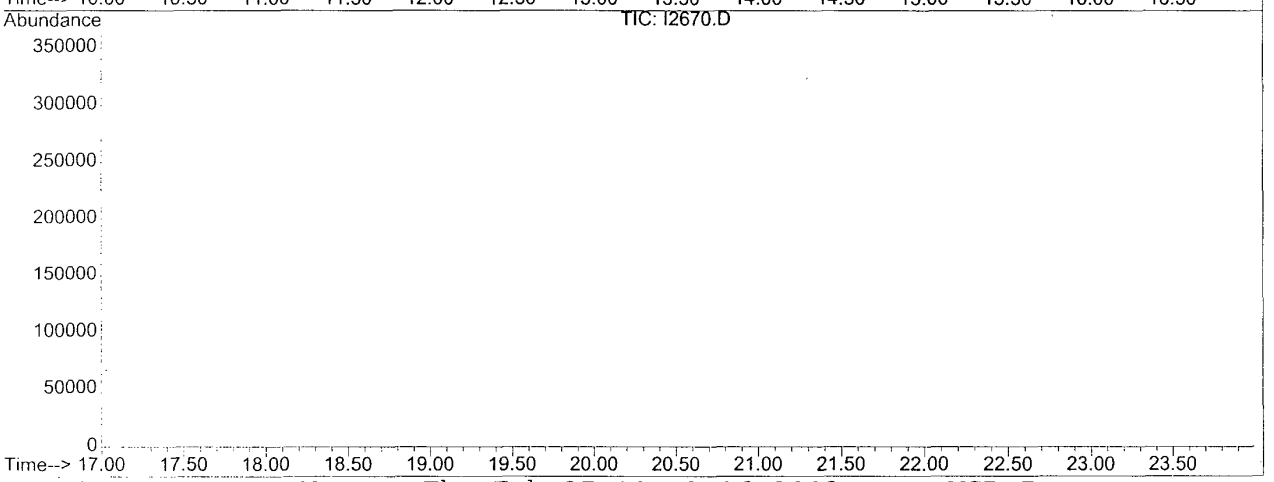
I2670.D IME0214.M Thu Feb 27 10:43:16 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2670.D
Operator : DPEI
Acquired : 26 Feb 2003 20:05 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: SB-T28-37.5/37.5-38,01398-012,M,0.040g
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03
Vial Number: 21
Quant File :IME0214.RES (RTE Integrator)







I2670.D IME0214.M Thu Feb 27 10:43:16 2003 MSD_I

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-27-03\F2589.D Vial: 4
Acq On : 27 Feb 2003 10:35 Operator: DSN
Sample : BLK,METHOD-BLK,S,0.1g,0 Inst : 5970 - In
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 27 16:05 2003 Quant Results File: FME0219.RES

Quant 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
DataAcq Meth : VOAF

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	8.80	168	2848049	50.00 UG	-0.05
31) 1,4-Difluorobenzene	9.98	114	3365609	50.00 UG	-0.05
50) Chlorobenzene-d5	14.87	117	2842693	50.00 UG	-0.07

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.26	65	1135770	43.57 UG	-0.04
Spiked Amount 50.000	Range 27 - 176		Recovery = 87.14%		
41) Toluene-d8	12.41	98	3065772	53.07 UG	-0.06
Spiked Amount 50.000	Range 20 - 158		Recovery = 106.14%		
59) Bromofluorobenzene	16.95	95	2265599	47.65 UG	-0.08
Spiked Amount 50.000	Range 28 - 148		Recovery = 95.30%		

Target Compounds Qvalue

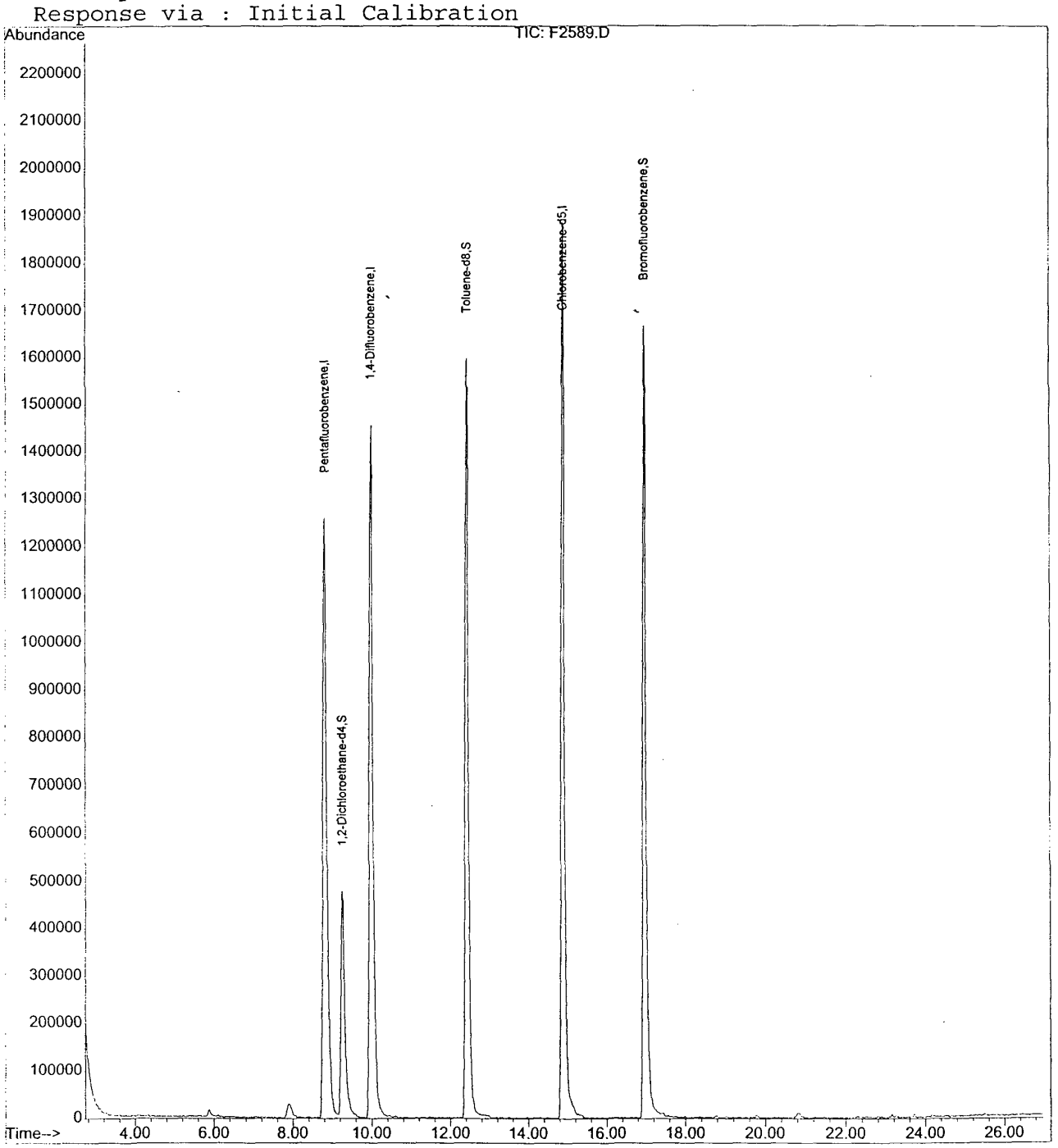
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2589.D
Acq On : 27 Feb 2003 10:35
Sample : BLK,METHOD-BLK,S,0.1g,0
Misc :
MS Integration Params: rteint.p
Quant Time: Feb 27 16:05 2003

Vial: 4
Operator: DSN
Inst : 5970 - In
Multiplr: 1.00
Quant Results File: FME0219.RE

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



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-27-03\F2589.D Vial: 4
Acq On : 27 Feb 2003 10:35 Operator: DSN
Sample : BLK,METHOD-BLK,S,0.1g,0 Inst : 5970 - In
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\FME0219.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

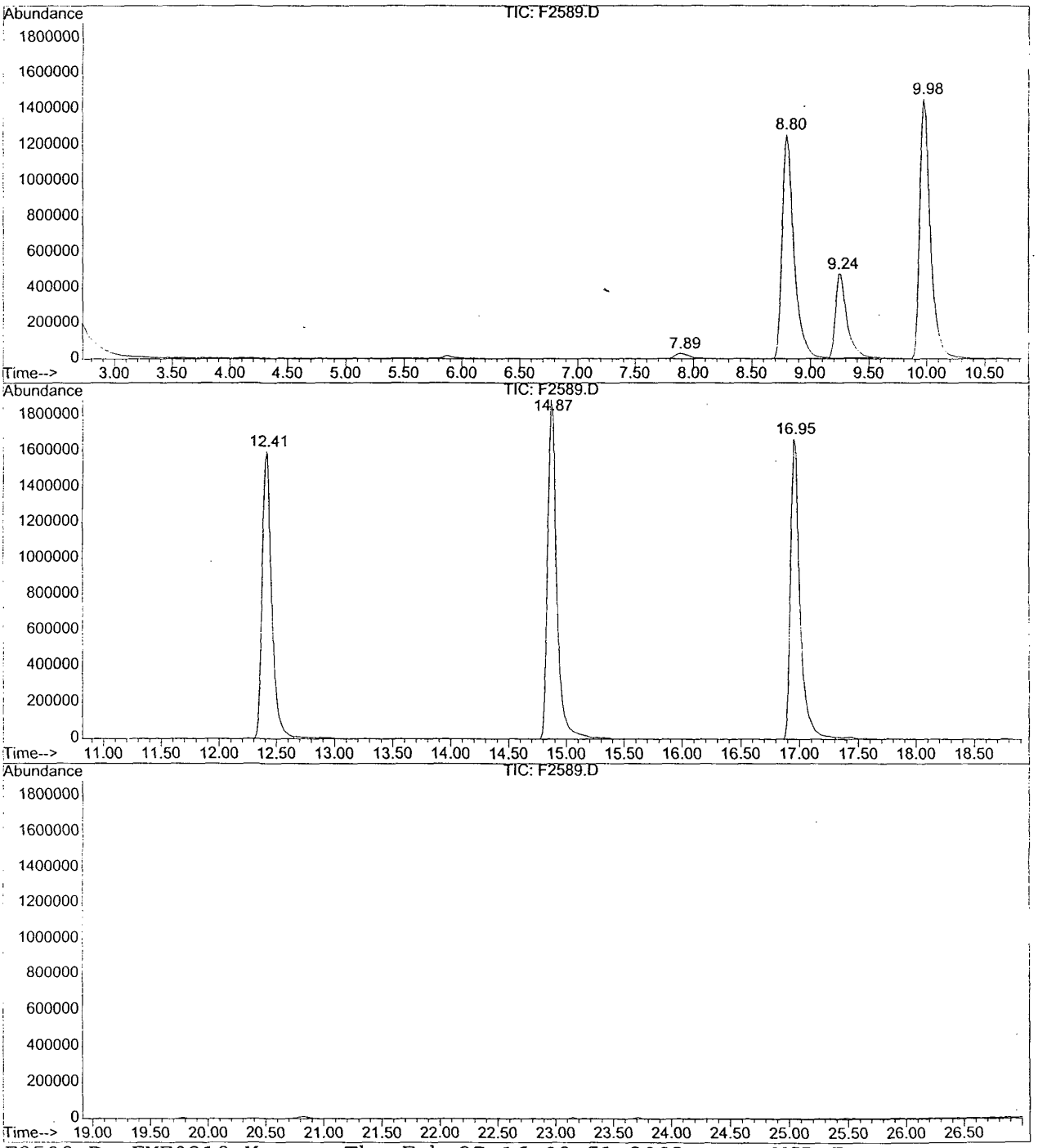
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.891	346	353	364	rBV	28914	239410	2.34%	0.478%
2	8.801	407	415	437	rBV	1259036	8807702	86.06%	17.572%
3	9.242	439	445	465	rVV	474099	3186015	31.13%	6.356%
4	9.977	486	495	519	rBV	1456498	9348822	91.34%	18.651%
5	12.414	653	661	677	rBV	1596840	9125502	89.16%	18.206%
6	14.866	821	828	853	rBV	1886434	10234847	100.00%	20.419%
7	16.951	964	970	994	rBV	1665699	9182129	89.71%	18.319%

Sum of corrected areas: 50124427

F2589.D FME0219.M Thu Feb 27 16:09:51 2003 MSD_F

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-27-03\F2589.D
Operator : DSN
Acquired : 27 Feb 2003 10:35 using AcqMethod VOAF
Instrument : 5970 - In
Sample Name: BLK,METHOD-BLK,S,0.1g,0
Misc Info :
Vial Number: 4
Quant File :FME0219.RES (RTE Integrator)



F2589.D FME0219.M Thu Feb 27 16:09:51 2003 MSD_F

0224

303064

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:53 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.30	168	688680	50.00 UG	0.07
31) 1,4-Difluorobenzene	10.39	114	725452	50.00 UG	0.07
50) Chlorobenzene-d5	14.70	117	629418	50.00 UG	0.07

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.74	65	204303	38.55 UG	0.07
Spiked Amount 50.000	Range 36 - 115		Recovery = 77.10%		
41) Toluene-d8	12.56	98	652894	52.46 UG	0.07
Spiked Amount 50.000	Range 35 - 117		Recovery = 104.92%		
59) Bromofluorobenzene	16.47	95	429830	43.88 UG	0.07
Spiked Amount 50.000	Range 47 - 115		Recovery = 87.76%		

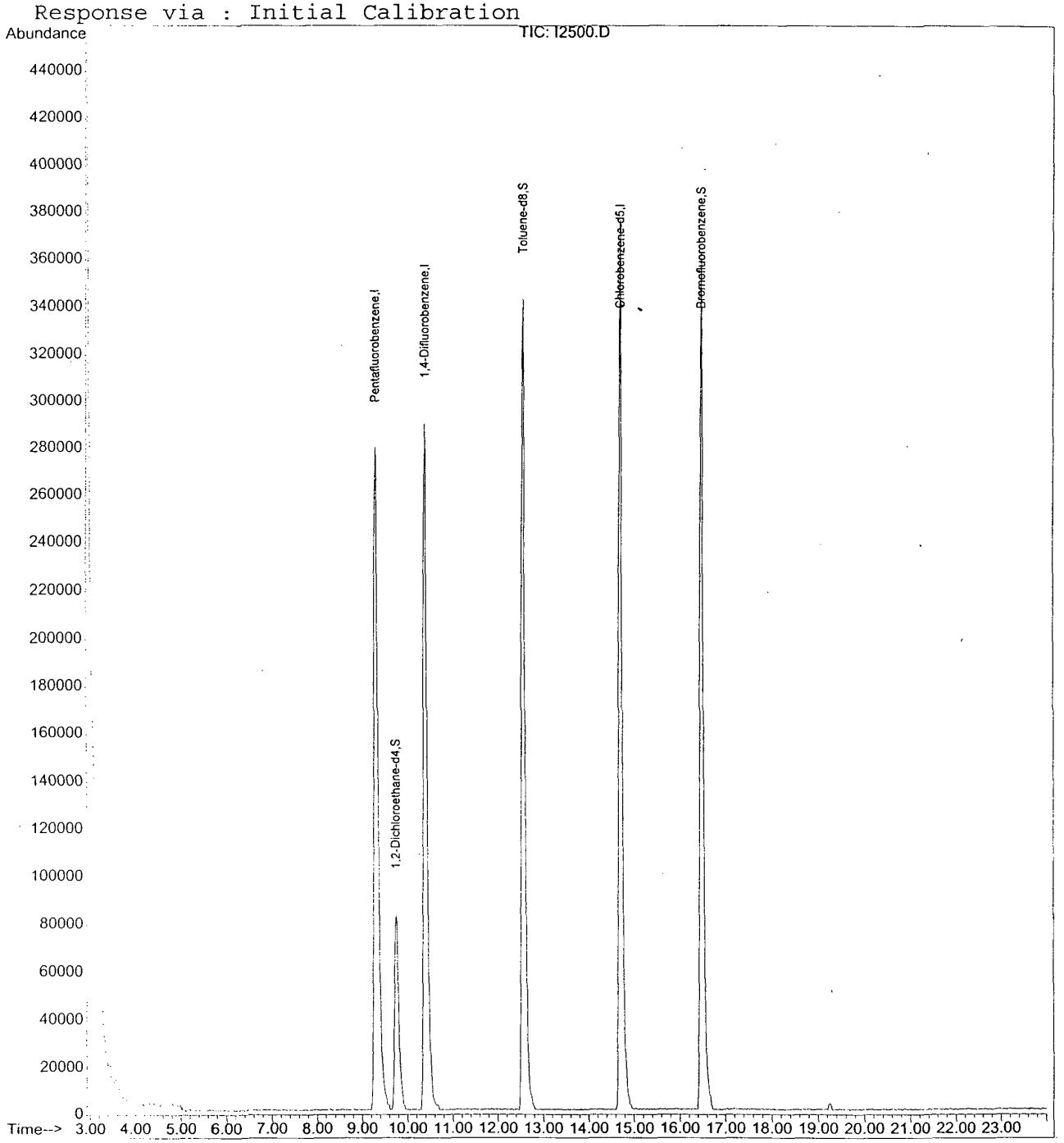
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 19 11:53 2003 Quant Results File: IME0214.RES

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 : Initial Calibration



0226

303066

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-18-03\I2500.D Vial: 31
Acq On : 19 Feb 2003 3:14 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

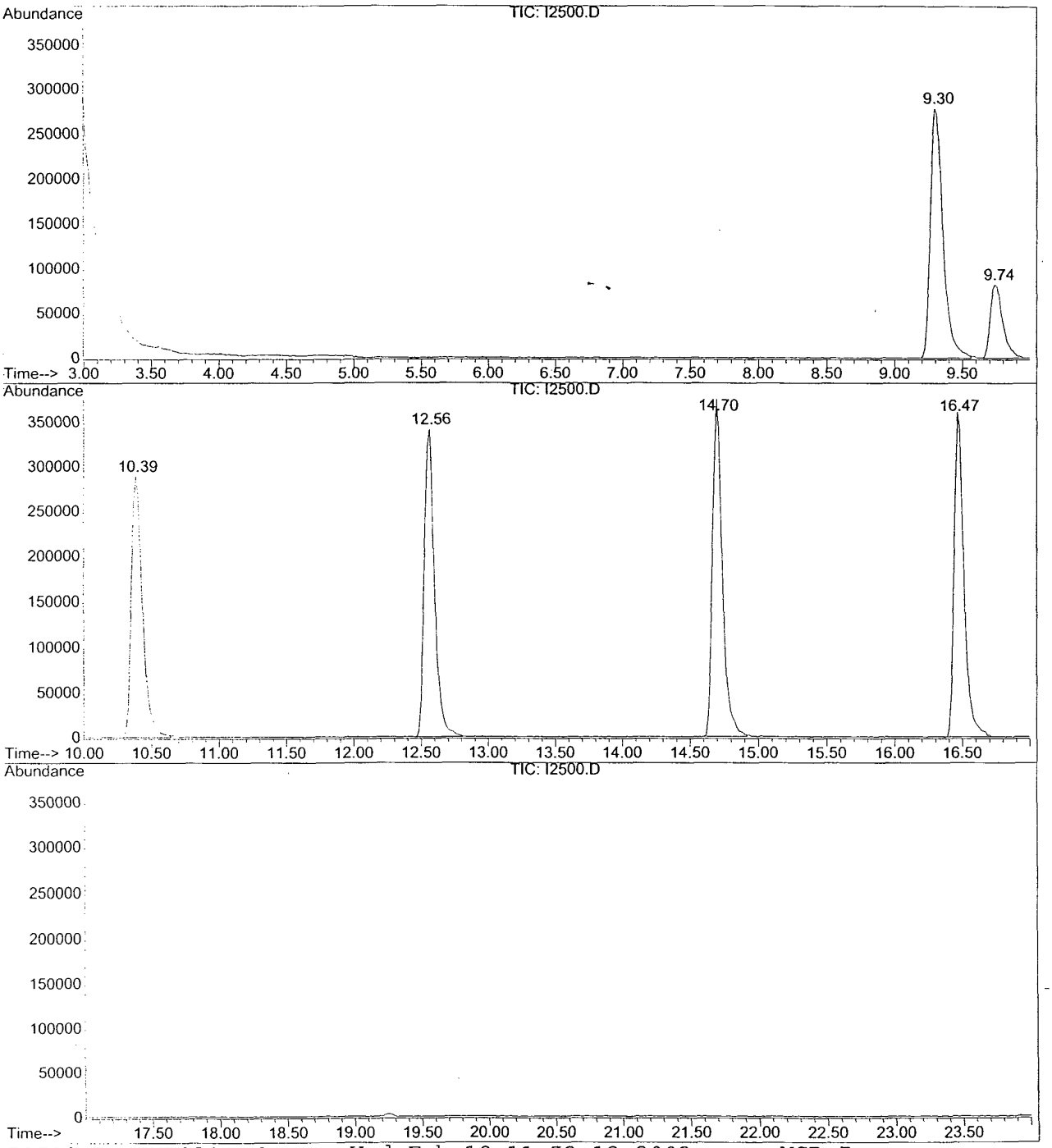
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.296	419	426	444	rBV	278865	1817448	96.45%	19.062%
2	9.742	450	456	471	rVB	82323	531650	28.22%	5.576%
3	10.387	492	499	516	rBV	289196	1666176	88.43%	17.475%
4	12.560	637	644	661	rBV	341843	1812236	96.18%	19.007%
5	14.696	781	787	802	rBV	374742	1884260	100.00%	19.763%
6	16.465	899	905	923	rBV	361369	1822670	96.73%	19.117%

Sum of corrected areas: 9534440

I2500.D IME0214.M Wed Feb 19 11:53:12 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-18-03\I2500.D
Operator : DPEI
Acquired : 19 Feb 2003 3:14 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: N/A,METHOD_BLK,W,5mL,100
Misc Info : NA,NA,NA
Vial Number: 31
Quant File :IME0214.RES (RTE Integrator)



I2500.D IME0214.M Wed Feb 19 11:53:12 2003 MSD_I

0228

303068

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2651.D Vial: 2
Acq On : 26 Feb 2003 10:34 Operator: DPEI
Sample : N/A,METHOD_BLK,S,0.1g,0 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 10:57 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.25	168	722965	50.00 UG	0.02
31) 1,4-Difluorobenzene	10.33	114	703883	50.00 UG	0.00
50) Chlorobenzene-d5	14.65	117	582989	50.00 UG	0.02

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.69	65	207918	37.37 UG	0.01
Spiked Amount 50.000	Range 36 - 115		Recovery = 74.74%		
41) Toluene-d8	12.50	98	551887	45.70 UG	0.00
Spiked Amount 50.000	Range 35 - 117		Recovery = 91.40%		
59) Bromofluorobenzene	16.43	95	401030	44.20 UG	0.03
Spiked Amount 50.000	Range 47 - 115		Recovery = 88.40%		

Target Compounds Qvalue

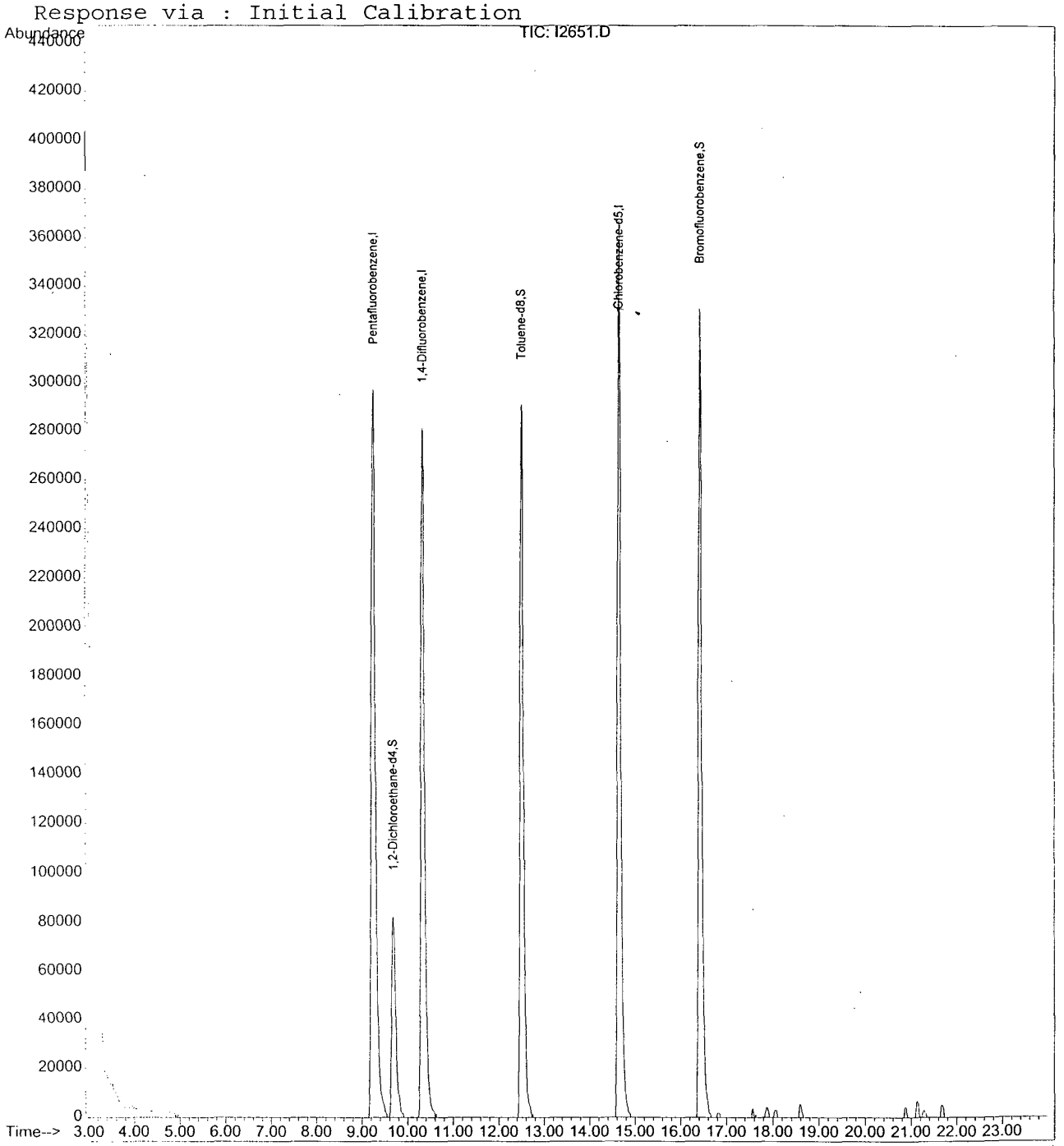
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2651.D
Acq On : 26 Feb 2003 10:34
Sample : N/A,METHOD_BLK,S,0.1g,0
Misc : NA,NA,NA
MS Integration Params: rteint.p
Quant Time: Feb 26 10:57 2003

Vial: 2
Operator: DPEI
Inst : 5970 - In
Multiplr: 1.00
Quant Results File: IME0214.RES

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 : Initial Calibration



0230

303070

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2651.D Vial: 2
Acq On : 26 Feb 2003 10:34 Operator: DPEI
Sample : N/A,METHOD_BLK,S,0.1g,0 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

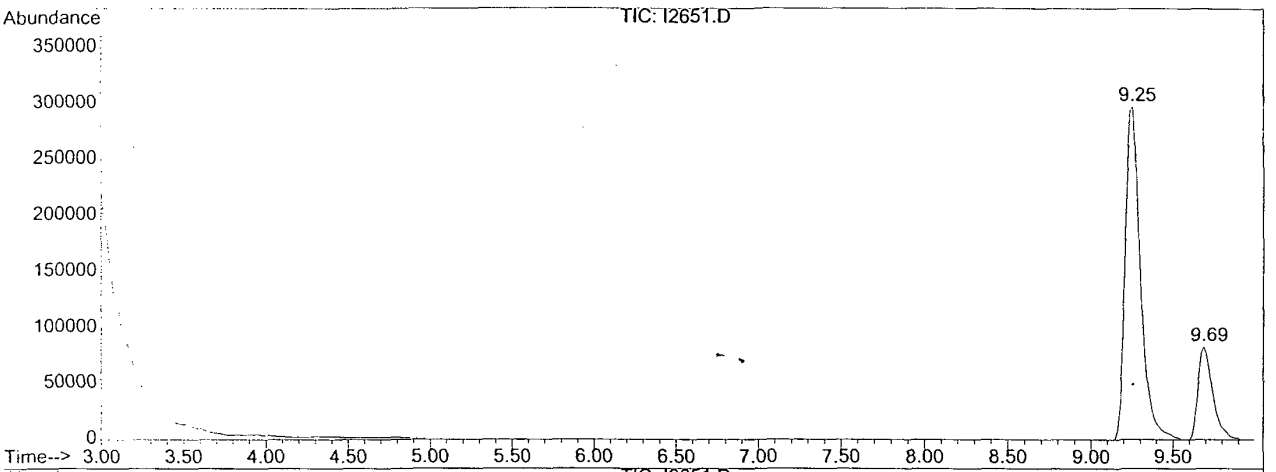
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.252	417	424	444	rBB	297314	1944342	100.00%	21.188%
2	9.687	447	453	468	rBB2	82524	519027	26.69%	5.656%
3	10.328	490	496	515	rBB	281482	1635412	84.11%	17.822%
4	12.496	636	641	657	rBB	290979	1554312	79.94%	16.938%
5	14.645	780	785	800	rBV	366938	1827061	93.97%	19.910%
6	16.425	899	904	918	rBV	330722	1653042	85.02%	18.014%
7	21.122	1216	1218	1222	rBB	6895	22935	1.18%	0.250%
8	21.664	1251	1253	1257	rBB	5060	20338	1.05%	0.222%

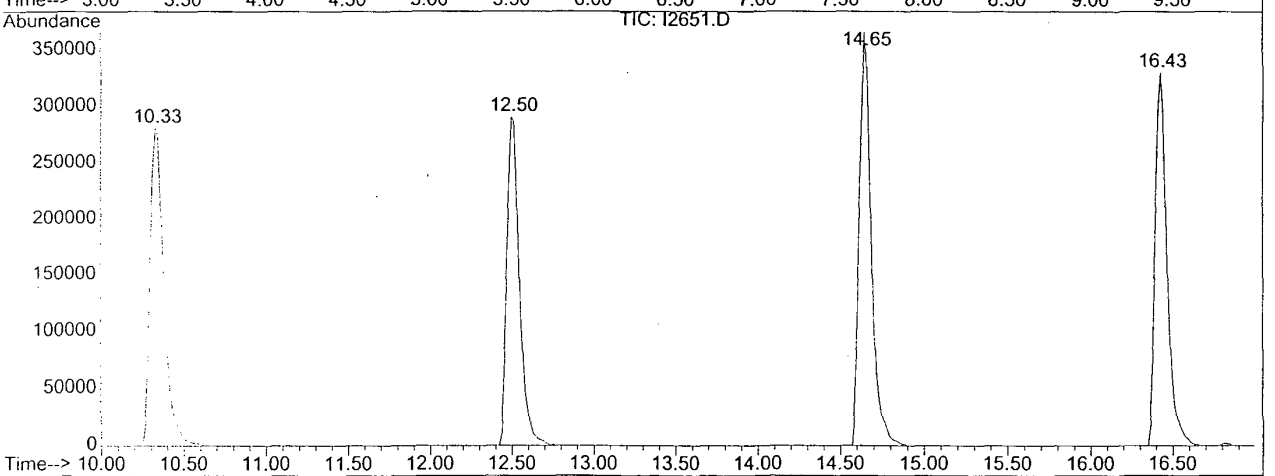
Sum of corrected areas: 9176469

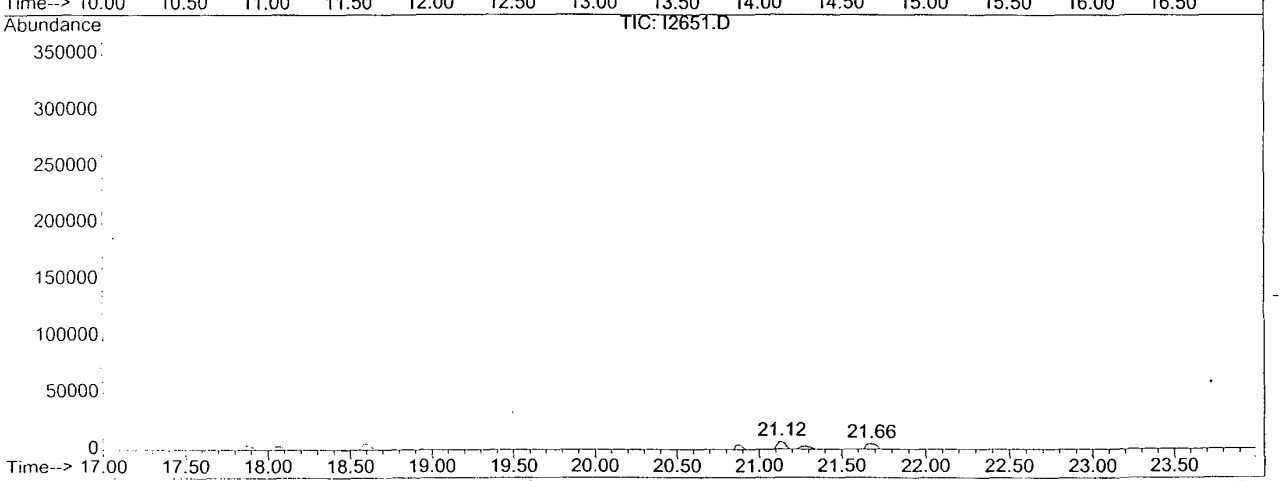
I2651.D IME0214.M Wed Feb 26 10:57:39 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2651.D
Operator : DPEI
Acquired : 26 Feb 2003 10:34 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: N/A,METHOD_BLK,S,0.1g,0
Misc Info : NA,NA,NA
Vial Number: 2
Quant File :IME0214.RES (RTE Integrator)







I2651.D IME0214.M Wed Feb 26 10:57:39 2003 MSD_I

0232

303072

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\I2661.D Vial: 12
Acq On : 26 Feb 2003 15:33 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 15:57 2003 Quant Results File: IME0214.RES

Quant 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 : Initial Calibration
DataAcq Meth : VOAI

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene	9.20	168	729820	50.00 UG	-0.03
31) 1,4-Difluorobenzene	10.28	114	765141	50.00 UG	-0.04
50) Chlorobenzene-d5	14.61	117	626265	50.00 UG	-0.01

System Monitoring Compounds

30) 1,2-Dichloroethane-d4	9.63	65	249233	44.38 UG	-0.04
Spiked Amount 50.000	Range 36 - 115		Recovery = 88.76%		
41) Toluene-d8	12.46	98	604032	46.01 UG	-0.03
Spiked Amount 50.000	Range 35 - 117		Recovery = 92.02%		
59) Bromofluorobenzene	16.38	95	410377	42.10 UG	-0.02
Spiked Amount 50.000	Range 47 - 115		Recovery = 84.20%		

Target Compounds Qvalue

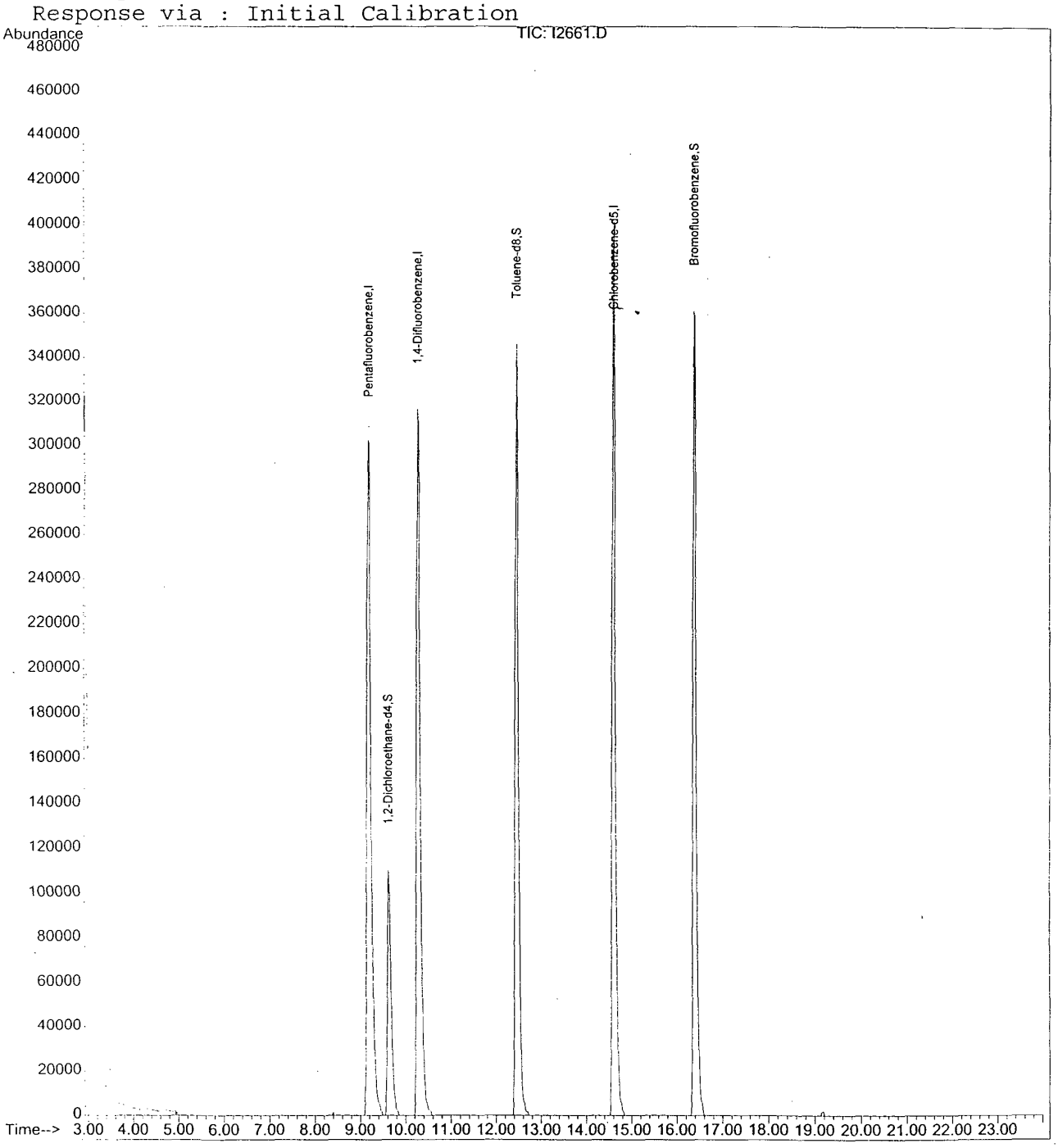
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2661.D
Acq On : 26 Feb 2003 15:33
Sample : N/A,METHOD_BLK,W,5mL,100
Misc : NA,NA,NA
MS Integration Params: rteint.p
Quant Time: Feb 26 15:57 2003

Vial: 12
Operator: DPEI
Inst : 5970 - In
Multiplr: 1.00
Quant Results File: IME0214.RES

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 : Initial Calibration



0234

303074

LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\02-26-03\I2661.D Vial: 12
Acq On : 26 Feb 2003 15:33 Operator: DPEI
Sample : N/A,METHOD_BLK,W,5mL,100 Inst : 5970 - In
Misc : NA,NA,NA Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\IME0214.M (RTE Integrator)
Title : VOLATILE ORGANICS BY EPA METHOD 8260B
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

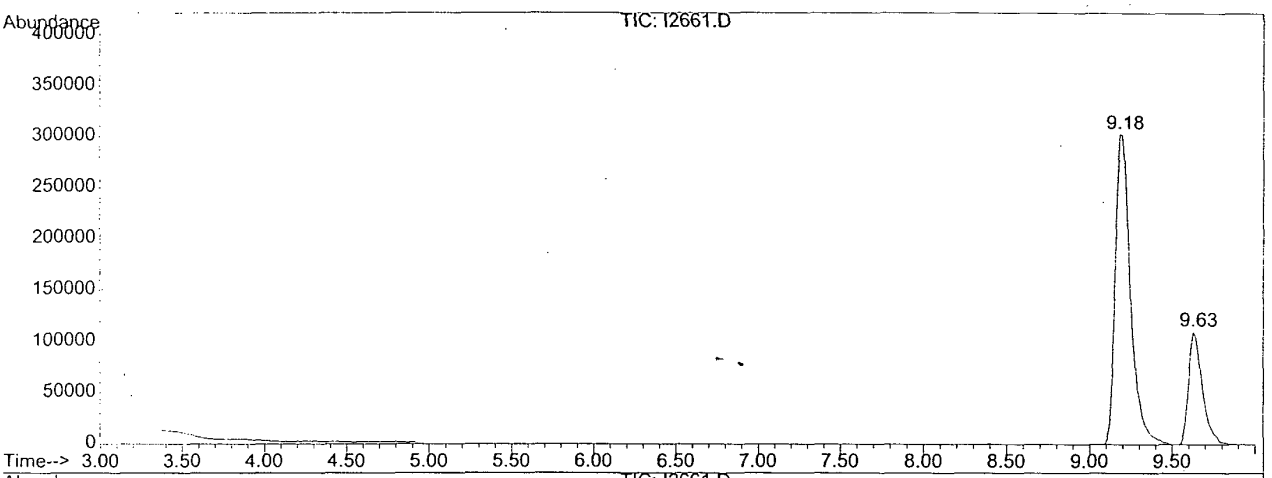
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.183	405	411	431	rBB	302606	1973291	100.00%	20.040%
2	9.629	435	440	454	rBB	110306	639292	32.40%	6.492%
3	10.279	476	482	501	rBB	316716	1789804	90.70%	18.177%
4	12.460	621	627	641	rBV2	346426	1750441	88.71%	17.777%
5	14.613	766	772	787	rBB	401873	1952060	98.92%	19.825%
6	16.381	886	891	905	rBB	361362	1741766	88.27%	17.689%

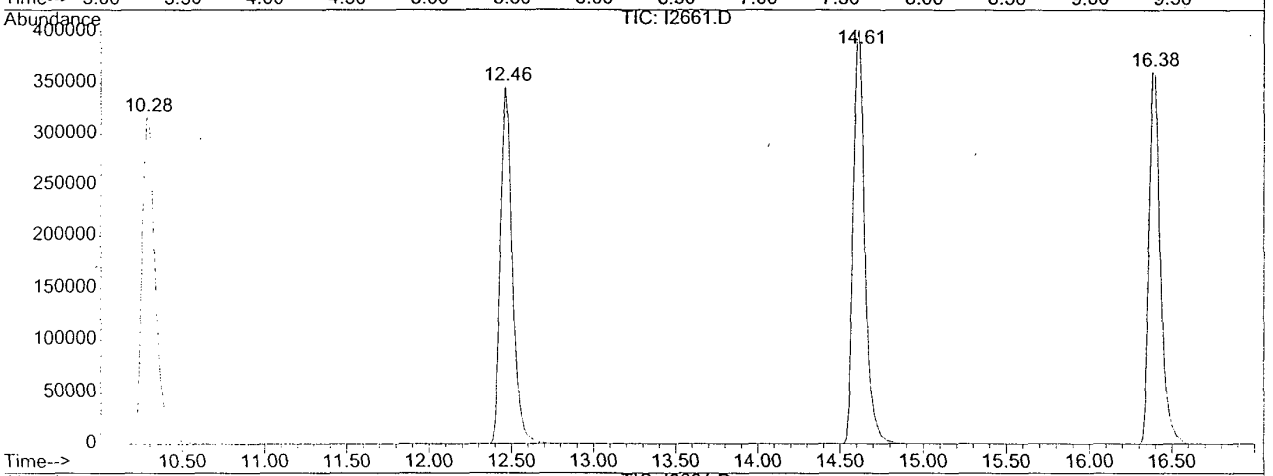
Sum of corrected areas: 9846654

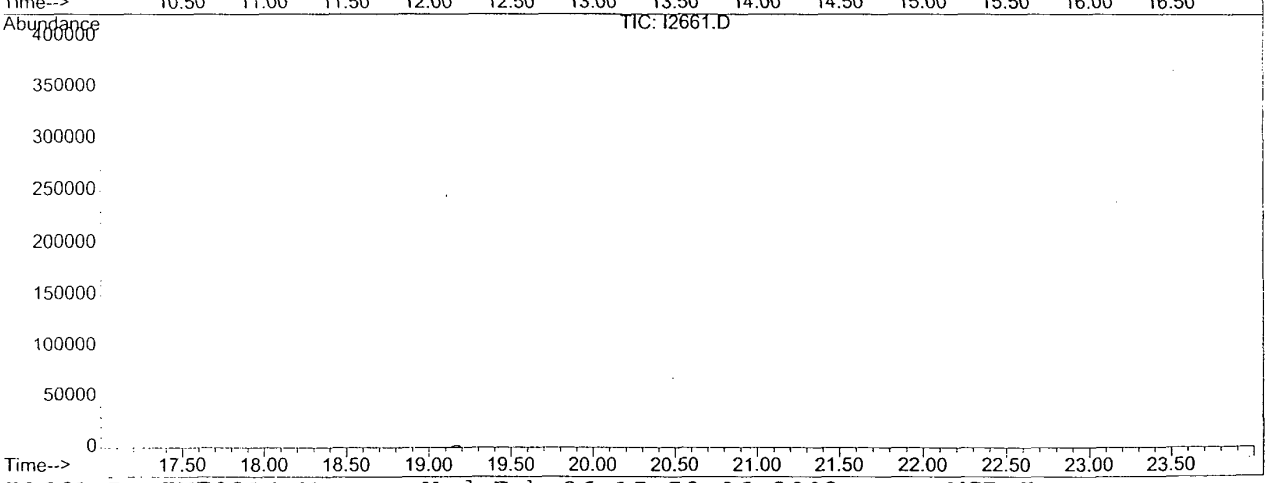
I2661.D IME0214.M Wed Feb 26 15:59:06 2003 MSD_I

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\02-26-03\I2661.D
Operator : DPEI
Acquired : 26 Feb 2003 15:33 using AcqMethod VOAI
Instrument : 5970 - In
Sample Name: N/A,METHOD_BLK,W,5mL,100
Misc Info : NA,NA,NA
Vial Number: 12
Quant File :IME0214.RES (RTE Integrator)







I2661.D IME0214.M Wed Feb 26 15:59:06 2003 MSD_I

0236

303076

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	58.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	23.6			
365	Greater than 1.0% of mass 198	1.9			
441	Present, but less than mass 443	10.65	(	70.8	)3
442	40.0 - 100.0% of mass 198	71.6			
443	17.0 - 23.0% of mass 442	15.0	(	21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	20ng_BNA-inj-for_	B8214.D	02/18/2003	08:26
.	50ng_BNA-inj-for_	B8215.D	02/18/2003	08:41
.	80ng_BNA-inj-for_	B8216.D	02/18/2003	08:57
.	10ng_BNA-inj-for_	B8218.D	02/18/2003	09:28
.	5ng_BNA-inj-for_0	B8220.D	02/18/2003	09:59
.	20ng_OLM04-inj-fo	B8221.D	02/18/2003	10:14
.	50ng_OLM04-inj-fo	B8222.D	02/18/2003	10:30
.	80ng_OLM04-inj-fo	B8223.D	02/18/2003	10:45
.	10ng_OLM04-inj-fo	B8226.D	02/18/2003	11:32
.	5ng_OLM04-inj-for	B8227.D	02/18/2003	11:47
.	Method-blk	B8229.D	02/18/2003	12:28
.	DI-MS	B8230.D	02/18/2003	12:44
.	DI-MSD	B8231.D	02/18/2003	12:59
B-2W	01180-001	B8232.D	02/18/2003	13:14
B-8W	01180-002	B8233.D	02/18/2003	13:30
B-12W	01180-003	B8234.D	02/18/2003	13:46
B-20W	01180-004	B8235.D	02/18/2003	14:01
P-1	01186-006	B8236.D	02/18/2003	14:17
MW-1/5	01187-001	B8237.D	02/18/2003	14:32
MW_1	01188-001	B8238.D	02/18/2003	14:48
SUMP1	01189-001	B8239.D	02/18/2003	15:03
SUMP-1/5.5-9.5	01185-001	B8240.D	02/18/2003	15:19
.	Method-Blank	B8241.D	02/18/2003	15:34

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance		
51	30.0 - 60.0% of mass 198	37.1		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	47.1		
70	Less than 2.0% of mass 69	0.1	(0.3	)1
127	40.0 - 60.0% of mass 198	58.3		
197	Less than 1.0% of mass 198	0.0		
198	Base peak, 100% relative abundance	100.0		
199	5.0 - 9.0% of mass 198	6.4		
275	10.0 - 30.0% of mass 198	23.6		
365	Greater than 1.0% of mass 198	1.9		
441	Present, but less than mass 443	0.00	(70.8	)3
442	40.0 - 100.0% of mass 198	71.6		
443	17.0 - 23.0% of mass 442	15.0	(21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	di-ms	B8242.D	02/18/2003	15:50
.	di-msd	B8243.D	02/18/2003	16:05
20A_EFF	01201-001	B8244.D	02/18/2003	16:21
DUP_20A_021103	01201-002	B8245.D	02/18/2003	16:36
INFLUENT	01207-001	B8246.D	02/18/2003	16:52
EFFLUENT	01207-002	B8247.D	02/18/2003	17:07
B-3/4.0	01229-004	B8248.D	02/18/2003	17:23
GW-1	01229-007	B8249.D	02/18/2003	17:38
GW-2	01229-015	B8250.D	02/18/2003	17:54
POTABLE_WELL	01199-001	B8251.D	02/18/2003	18:09
MW-2	01202-001	B8252.D	02/18/2003	18:25
MW-3	01202-002	B8253.D	02/18/2003	18:40
FIELD	01202-003	B8254.D	02/18/2003	18:56
MW-1	01204-001	B8255.D	02/18/2003	19:11
TMP-106	01238-001	B8256.D	02/18/2003	19:26
TMP-105	01238-002	B8257.D	02/18/2003	19:42
TMP-121	01238-003	B8258.D	02/18/2003	19:57
TMP-122	01238-004	B8259.D	02/18/2003	20:13
TMP-116	01238-005	B8260.D	02/18/2003	20:28
SUMP	01247-001	B8261.D	02/18/2003	20:44
01	01224-001	B8262.D	02/18/2003	20:59
01	01224-001	B8263.D	02/18/2003	21:15

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	58.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	23.6			
365	Greater than 1.0% of mass 198	1.9			
441	Present, but less than mass 443	0.00	(	70.8	)3
442	40.0 - 100.0% of mass 198	71.6			
443	17.0 - 23.0% of mass 442	15.0	(	21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
B-3/4.0	01229-004	B8264.D	02/19/2003	06:41
POTABLE_WELL	01199-001	B8265.D	02/19/2003	06:56
MW-1	01204-001	B8266.D	02/19/2003	07:11
TMP-105	01238-002	B8267.D	02/19/2003	07:27
SUMP	01247-001	B8268.D	02/19/2003	07:42

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8358.D DFTPP Injection Date : 02/26/2003

Inst ID: MSDB DFTPP Injection Time: 09:31

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	40.7			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	44.6			
70	Less than 2.0% of mass 69	0.4	(	0.8	)1
127	40.0 - 60.0% of mass 198	57.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.7			
275	10.0 - 30.0% of mass 198	22.0			
365	Greater than 1.0% of mass 198	2.6			
441	Present, but less than mass 443	11.51	(	73.0	)3
442	40.0 - 100.0% of mass 198	76.9			
443	17.0 - 23.0% of mass 442	15.8	(	20.5	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	20ng_BNA-inj-for_	B8359.D	02/26/2003	09:53
.	20ng_OLM04-inj-fo	B8360.D	02/26/2003	10:08
.	Method-blk	B8363.D	02/26/2003	10:55
.	DI-MS	B8364.D	02/26/2003	11:10
.	DI-MSD	B8365.D	02/26/2003	11:26
.	Method-blk	B8366.D	02/26/2003	11:41
MW-19	01390-001	B8367.D	02/26/2003	11:56
FIELD_BLANK	01398-001	B8368.D	02/26/2003	12:12
1-203	01366-001	B8369.D	02/26/2003	12:27
4-203	01366-002	B8370.D	02/26/2003	12:43
6-203	01366-003	B8371.D	02/26/2003	12:58
7-203	01366-004	B8372.D	02/26/2003	13:14
18-203	01366-005	B8373.D	02/26/2003	13:29
35-203	01366-006	B8374.D	02/26/2003	13:45
36-203	01366-007	B8375.D	02/26/2003	14:00
CONPILE	01376-001	B8376.D	02/26/2003	14:16
21_ONTEORA	01381-001	B8377.D	02/26/2003	14:31
LBSA0203	01389-001	B8404.D	02/26/2003	22:51
VPM_MID	01393-001	B8405.D	02/26/2003	23:06
VPM_SURFACE	01393-002	B8406.D	02/26/2003	23:22
VPS_SURFACE	01393-003	B8407.D	02/26/2003	23:37
VPS_MID	01393-004	B8408.D	02/26/2003	23:53
VPN_SURFACE	01393-005	B8409.D	02/27/2003	00:08

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8358.D DFTPP Injection Date : 02/26/2003

Inst ID: MSDB DFTPP Injection Time: 09:31

m/z	Ion Abudance Criteria	%Relative Abundance	
51	30.0 - 60.0% of mass 198	40.7	
68	Less than 2.0% of mass 69	0.7	(1.6)1
69	Mass 69 relative abundance	44.6	
70	Less than 2.0% of mass 69	0.4	(0.8)1
127	40.0 - 60.0% of mass 198	57.3	
197	Less than 1.0% of mass 198	0.0	
198	Base peak, 100% relative abundance	100.0	
199	5.0 - 9.0% of mass 198	6.7	
275	10.0 - 30.0% of mass 198	22.0	
365	Greater than 1.0% of mass 198	2.6	
441	Present, but less than mass 443	0.00	(73.0)3
442	40.0 - 100.0% of mass 198	76.9	
443	17.0 - 23.0% of mass 442	15.8	(20.5)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
VPN_MID	01393-006	B8410.D	02/27/2003	00:24
FB	01393-007	B8411.D	02/27/2003	00:39
FIELD_BLANK	01398-001	B8412.D	02/27/2003	00:55
LBSA0203	01389-001	B8413.D	02/27/2003	07:35

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8213.D DFTPP Injection Date : 02/18/2003

Inst ID: MSDB DFTPP Injection Time: 07:43

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	37.1			
68	Less than 2.0% of mass 69	0.0	(	0.0	)1
69	Mass 69 relative abundance	47.1			
70	Less than 2.0% of mass 69	0.1	(	0.3	)1
127	40.0 - 60.0% of mass 198	58.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.4			
275	10.0 - 30.0% of mass 198	23.6			
365	Greater than 1.0% of mass 198	1.9			
441	Present, but less than mass 443	10.65	(	70.8	)3
442	40.0 - 100.0% of mass 198	71.6			
443	17.0 - 23.0% of mass 442	15.0	(	21.0	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	20ng_BNA-inj-for_	B8214.D	02/18/2003	08:26
.	50ng_BNA-inj-for_	B8215.D	02/18/2003	08:41
.	80ng_BNA-inj-for_	B8216.D	02/18/2003	08:57
.	120ng_BNA-inj-for	B8217.D	02/18/2003	09:12
.	160ng_BNA-inj-for	B8219.D	02/18/2003	09:43
.	20ng_OLM04-inj-fo	B8221.D	02/18/2003	10:14
.	50ng_OLM04-inj-fo	B8222.D	02/18/2003	10:30
.	80ng_OLM04-inj-fo	B8223.D	02/18/2003	10:45
.	120ng_OLM04-inj-	B8224.D	02/18/2003	11:01
.	160ng_OLM04-inj-	B8225.D	02/18/2003	11:16

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8358.D DFTPP Injection Date : 02/26/2003

Inst ID: MSDB DFTPP Injection Time: 09:31

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	40.7			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	44.6			
70	Less than 2.0% of mass 69	0.4	(	0.8	)1
127	40.0 - 60.0% of mass 198	57.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.7			
275	10.0 - 30.0% of mass 198	22.0			
365	Greater than 1.0% of mass 198	2.6			
441	Present, but less than mass 443	11.51	(	73.0	)3
442	40.0 - 100.0% of mass 198	76.9			
443	17.0 - 23.0% of mass 442	15.8	(	20.5	)2

1-Value is % mass 69 *2-Value is % mass 442* *3-Value is % mass 443*

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	80ng_BNA-inj-for_	B8361.D	02/26/2003	10:24
.	80ng_OLM04-inj-fo	B8362.D	02/26/2003	10:39
.	Method-blk	B8378.D	02/26/2003	14:50
.	LCS	B8379.D	02/26/2003	15:06
.	MS(01398-007)	B8380.D	02/26/2003	15:21
.	MSD(01398-007)	B8381.D	02/26/2003	15:37
AT-36/12	01396-002	B8382.D	02/26/2003	15:52
PES-G10-E/6	01396-003	B8383.D	02/26/2003	16:08
PES-A10-E/7.	01396-004	B8384.D	02/26/2003	16:23
DUPLICATE-2/	01396-005	B8385.D	02/26/2003	16:39
DUPLICATE-2/	01396-006	B8386.D	02/26/2003	16:54
SB-T28-37.5/	01398-012	B8387.D	02/26/2003	17:10
SB-X13-0/0-0	01398-003	B8388.D	02/26/2003	17:25
SB-X13-8/8-8.	01398-004	B8389.D	02/26/2003	17:40
SB-X13-23.5/	01398-005	B8390.D	02/26/2003	17:56
SB-T15-0/0-0	01398-006	B8391.D	02/26/2003	18:11
SB-T15-8/8-8	01398-007	B8392.D	02/26/2003	18:27
SB-T28-0/0-0	01398-008	B8393.D	02/26/2003	18:42
SB-T28-8/8-1	01398-009	B8394.D	02/26/2003	18:58
SB-T28-15.5/	01398-010	B8395.D	02/26/2003	19:13
SB-T28-28/28-	01398-011	B8396.D	02/26/2003	19:29
LIFT	01386-001	B8397.D	02/26/2003	19:44
SL/T-C	01399-001	B8398.D	02/26/2003	20:00

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8358.D DFTPP Injection Date : 02/26/2003

Inst ID: MSDB DFTPP Injection Time: 09:31

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	40.7			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	44.6			
70	Less than 2.0% of mass 69	0.4	(	0.8	)1
127	40.0 - 60.0% of mass 198	57.3			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	6.7			
275	10.0 - 30.0% of mass 198	22.0			
365	Greater than 1.0% of mass 198	2.6			
441	Present, but less than mass 443	0.00	(	73.0	)3
442	40.0 - 100.0% of mass 198	76.9			
443	17.0 - 23.0% of mass 442	15.8	(	20.5	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
SB-T21-11.5/	01304-006	B8399.D	02/26/2003	20:15
SB-T26-8.5/8	01327-006	B8400.D	02/26/2003	20:31
SB-T26-30.5/	01327-007	B8401.D	02/26/2003	20:46
SB-T28-8/8-1	01398-009	B8402.D	02/26/2003	21:02
SB-T28-15.5/	01398-010	B8403.D	02/26/2003	21:17

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

Lab File ID: B8414.D DFTPP Injection Date : 02/27/2003

Inst ID: MSDB DFTPP Injection Time: 07:55

m/z	Ion Abudance Criteria	%Relative Abundance			
51	30.0 - 60.0% of mass 198	36.5			
68	Less than 2.0% of mass 69	0.7	(	1.6	)1
69	Mass 69 relative abundance	42.9			
70	Less than 2.0% of mass 69	0.2	(	0.5	)1
127	40.0 - 60.0% of mass 198	59.6			
197	Less than 1.0% of mass 198	0.0			
198	Base peak, 100% relative abundance	100.0			
199	5.0 - 9.0% of mass 198	7.3			
275	10.0 - 30.0% of mass 198	23.8			
365	Greater than 1.0% of mass 198	2.4			
441	Present, but less than mass 443	13.65	(	71.7	)3
442	40.0 - 100.0% of mass 198	93.8			
443	17.0 - 23.0% of mass 442	19.0	(	20.3	)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

This check applies to the following SAMPLES, MS, MSD, BLANKS and STANDARDS:

Client ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
.	80ng_BNA-inj-for_	B8415.D	02/27/2003	08:13
.	80ng_OLM04-inj-fo	B8417.D	02/27/2003	08:44
SB-X13-8/8-8.	01398-004	B8419.D	02/27/2003	09:20
SB-T28-15.5/	01398-010	B8420.D	02/27/2003	09:35
SB-T28-28/28-	01398-011	B8421.D	02/27/2003	09:50
DUPLICATE-2/	01396-006	B8422.D	02/27/2003	10:13
.	Method-blk	B8446.D	02/27/2003	16:30
.	LCS	B8447.D	02/27/2003	16:45
PES-A10-E/7.	01396-004	B8448.D	02/27/2003	17:01
DUPLICATE-2/	01396-006	B8449.D	02/27/2003	17:16
PEB-G6/10	01430-002	B8450.D	02/27/2003	17:32
#1-LIPA	01421-001	B8451.D	02/27/2003	17:47
#2-LIPA	01421-002	B8452.D	02/27/2003	18:03
#3-LIPA	01421-003	B8453.D	02/27/2003	18:18
#4-LIPA	01421-004	B8454.D	02/27/2003	18:34
SB-1/6.5-7	01432-001	B8455.D	02/27/2003	18:50
SB-2/7-7.5	01432-002	B8456.D	02/27/2003	19:05
SB-3/6.5-7	01432-003	B8457.D	02/27/2003	19:21
SB-4/6.5-7	01432-004	B8458.D	02/27/2003	19:36
SB-5/7-7.5	01432-005	B8459.D	02/27/2003	19:52
PEB-G6/10	01430-002MS	B8460.D	02/27/2003	20:23
PEB-G6/10	01430-002MS	B8461.D	02/27/2003	20:38

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B8366.D

Instrument ID: MSDB

Date Extracted: 02/26/03

Matrix: AQUEOUS

Date Analyzed: 02/26/2003

Time Analyzed: 11:41

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	DI-MS	02/26/2003	11:10
.	DI-MSD	02/26/2003	11:26
MW-19	01390-001	02/26/2003	11:56
FIELD_BLANK	01398-001	02/26/2003	12:12
1-203	01366-001	02/26/2003	12:27
4-203	01366-002	02/26/2003	12:43
6-203	01366-003	02/26/2003	12:58
7-203	01366-004	02/26/2003	13:14
18-203	01366-005	02/26/2003	13:29
35-203	01366-006	02/26/2003	13:45
36-203	01366-007	02/26/2003	14:00
CONPILE	01376-001	02/26/2003	14:16
21_ONTEORA	01381-001	02/26/2003	14:31
LBSA0203	01389-001	02/26/2003	22:51
VPM_MID	01393-001	02/26/2003	23:06
VPM_SURFACE	01393-002	02/26/2003	23:22
VPS_SURFACE	01393-003	02/26/2003	23:37
VPS_MID	01393-004	02/26/2003	23:53
VPN_SURFACE	01393-005	02/27/2003	00:08
VPN_MID	01393-006	02/27/2003	00:24
FB	01393-007	02/27/2003	00:39
FIELD_BLANK	01398-001	02/27/2003	00:55
LBSA0203	01389-001	02/27/2003	07:35

FORM IV SV

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8366.D

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

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.220
Benzaldehyde	ND		0.180
Phenol	ND		0.150
Aniline	ND		0.130
bis(2-Chloroethyl)ether	ND		0.240
2-Chlorophenol	ND		0.120
1,3-Dichlorobenzene	ND		0.130
1,4-Dichlorobenzene	ND		0.180
Benzyl alcohol	ND		0.390
1,2-Dichlorobenzene	ND		0.160
2-Methylphenol	ND		0.180
bis(2-chloroisopropyl)ether	ND		0.200
4-Methylphenol	ND		0.300
N-Nitroso-di-n-propylamine	ND		0.200
Acetophenone	ND		0.230
Hexachloroethane	ND		0.190
Nitrobenzene	ND		0.250
Isophorone	ND		0.120
2-Nitrophenol	ND		0.460
2,4-Dimethylphenol	ND		0.220
bis(2-Chloroethoxy)methane	ND		0.120
Benzoic acid	ND		0.800
2,4-Dichlorophenol	ND		0.210
1,2,4-Trichlorobenzene	ND		0.170
Naphthalene	ND		0.110
4-Chloroaniline	ND		0.140
Hexachlorobutadiene	ND		0.240
Caprolactam	ND		0.380
4-Chloro-3-methylphenol	ND		0.230
2-Methylnaphthalene	ND		0.140
Hexachlorocyclopentadiene	ND		0.330
2,4,6-Trichlorophenol	ND		0.270
2,4,5-Trichlorophenol	ND		0.300
1-1'-Biphenyl	ND		0.120
2-Chloronaphthalene	ND		0.120
2-Nitroaniline	ND		0.500
Dimethylphthalate	ND		0.190

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8366.D

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

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.480
Acenaphthylene	ND		0.180
3-Nitroaniline	ND		0.320
Acenaphthene	ND		0.170
2,4-Dinitrophenol	ND		0.470
4-Nitrophenol	ND		0.460
2,4-Dinitrotoluene	ND		0.450
Dibenzofuran	ND		0.120
Diethylphthalate	ND		0.180
Fluorene	ND		0.180
4-Chlorophenyl-phenylether	ND		0.230
4-Nitroaniline	ND		0.380
1,2,4,5-Tetrachlorobenzene	ND		0.230
4,6-Dinitro-2-methylphenol	ND		0.780
N-Nitrosodiphenylamine	ND		0.150
1,2-Diphenylhydrazine/Azobenzene	ND		0.140
4-Bromophenyl-phenylether	ND		0.260
Hexachlorobenzene	ND		0.190
Atrazine	ND		0.280
Pentachlorophenol	ND		0.490
Phenanthrene	ND		0.110
Anthracene	ND		0.140
Carbazole	ND		0.170
Di-n-butylphthalate	ND		0.160
Fluoranthene	ND		0.190
Benzidine	ND		0.420
Pyrene	ND		0.140
3,3'-Dimethylbenzidine	ND		0.680
Butylbenzylphthalate	ND		0.310
3,3'-Dichlorobenzidine	ND		0.430
Benzo[a]anthracene	ND		0.150
Chrysene	ND		0.140
bis(2-Ethylhexyl)phthalate	ND		0.370
Di-n-octylphthalate	ND		0.570
Benzo[b]fluoranthene	ND		0.340
Benzo[k]fluoranthene	ND		0.630
Benzo[a]pyrene	ND		0.200
Indeno[1,2,3-cd]pyrene	ND		0.510
Dibenz[a,h]anthracene	ND		0.490
Benzo[g,h,i]perylene	ND		0.310

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8366.D

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

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

SEMIVOLATILE METHOD BLANK SUMMARY

Lab File ID: B8378.D

Instrument ID: MSDB

Date Extracted: 02/26/03

Matrix: SOIL

Date Analyzed: 02/26/2003

Time Analyzed: 14:50

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
.	LCS	02/26/2003	15:06
.	MS(01398-007)	02/26/2003	15:21
.	MSD(01398-007)	02/26/2003	15:37
AT-36/12	01396-002	02/26/2003	15:52
PES-G10-E/6	01396-003	02/26/2003	16:08
PES-A10-E/7.	01396-004	02/26/2003	16:23
DUPLICATE-2/	01396-005	02/26/2003	16:39
DUPLICATE-2/	01396-006	02/26/2003	16:54
SB-T28-37.5/	01398-012	02/26/2003	17:10
SB-X13-0/0-0	01398-003	02/26/2003	17:25
SB-X13-8/8-8.	01398-004	02/26/2003	17:40
SB-X13-23.5/	01398-005	02/26/2003	17:56
SB-T15-0/0-0	01398-006	02/26/2003	18:11
SB-T15-8/8-8	01398-007	02/26/2003	18:27
SB-T28-0/0-0	01398-008	02/26/2003	18:42
SB-T28-8/8-1	01398-009	02/26/2003	18:58
SB-T28-15.5/	01398-010	02/26/2003	19:13
SB-T28-28/28-	01398-011	02/26/2003	19:29
LIFT	01386-001	02/26/2003	19:44
SL/T-C	01399-001	02/26/2003	20:00
SB-T21-11.5/	01304-006	02/26/2003	20:15
SB-T26-8.5/8	01327-006	02/26/2003	20:31
SB-T26-30.5/	01327-007	02/26/2003	20:46
SB-T28-8/8-1	01398-009	02/26/2003	21:02
SB-T28-15.5/	01398-010	02/26/2003	21:17
SB-X13-8/8-8.	01398-004	02/27/2003	09:20
SB-T28-15.5/	01398-010	02/27/2003	09:35
SB-T28-28/28-	01398-011	02/27/2003	09:50

FORM IV SV

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8378.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
N-Nitrosodimethylamine	ND		0.033
Benzaldehyde	ND		0.033
Phenol	ND		0.033
Aniline	ND		0.033
bis(2-Chloroethyl)ether	ND		0.033
2-Chlorophenol	ND		0.033
1,3-Dichlorobenzene	ND		0.033
1,4-Dichlorobenzene	ND		0.033
Benzyl alcohol	ND		0.033
1,2-Dichlorobenzene	ND		0.033
2-Methylphenol	ND		0.033
bis(2-chloroisopropyl)ether	ND		0.033
4-Methylphenol	ND		0.033
N-Nitroso-di-n-propylamine	ND		0.033
Acetophenone	ND		0.033
Hexachloroethane	ND		0.033
Nitrobenzene	ND		0.033
Isophorone	ND		0.033
2-Nitrophenol	ND		0.033
2,4-Dimethylphenol	ND		0.033
bis(2-Chloroethoxy)methane	ND		0.033
Benzoic acid	ND		0.033
2,4-Dichlorophenol	ND		0.033
1,2,4-Trichlorobenzene	ND		0.033
Naphthalene	ND		0.033
4-Chloroaniline	ND		0.033
Hexachlorobutadiene	ND		0.033
Caprolactam	ND		0.033
4-Chloro-3-methylphenol	ND		0.033
2-Methylnaphthalene	ND		0.033
Hexachlorocyclopentadiene	ND		0.033
2,4,6-Trichlorophenol	ND		0.033
2,4,5-Trichlorophenol	ND		0.033
1-1'-Biphenyl	ND		0.033
2-Chloronaphthalene	ND		0.033
2-Nitroaniline	ND		0.033
Dimethylphthalate	ND		0.033

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8378.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

Compound	Concentration	Q	MDL
2,6-Dinitrotoluene	ND		0.033
Acenaphthylene	ND		0.033
3-Nitroaniline	ND		0.033
Acenaphthene	ND		0.033
2,4-Dinitrophenol	ND		0.033
4-Nitrophenol	ND		0.033
2,4-Dinitrotoluene	ND		0.033
Dibenzofuran	ND		0.033
Diethylphthalate	ND		0.033
Fluorene	ND		0.033
4-Chlorophenyl-phenylether	ND		0.033
4-Nitroaniline	ND		0.033
1,2,4,5-Tetrachlorobenzene	ND		0.033
4,6-Dinitro-2-methylphenol	ND		0.033
N-Nitrosodiphenylamine	ND		0.033
1,2-Diphenylhydrazine/Azobenzene	ND		0.033
4-Bromophenyl-phenylether	ND		0.033
Hexachlorobenzene	ND		0.033
Atrazine	ND		0.033
Pentachlorophenol	ND		0.033
Phenanthrene	ND		0.033
Anthracene	ND		0.033
Carbazole	ND		0.033
Di-n-butylphthalate	ND		0.033
Fluoranthene	ND		0.033
Benzidine	ND		0.033
Pyrene	ND		0.033
3,3'-Dimethylbenzidine	ND		0.033
Butylbenzylphthalate	ND		0.033
3,3'-Dichlorobenzidine	ND		0.033
Benzo[a]anthracene	ND		0.033
Chrysene	ND		0.033
bis(2-Ethylhexyl)phthalate	ND		0.033
Di-n-octylphthalate	ND		0.033
Benzo[b]fluoranthene	ND		0.033
Benzo[k]fluoranthene	ND		0.033
Benzo[a]pyrene	ND		0.033
Indeno[1,2,3-cd]pyrene	ND		0.033
Dibenz[a,h]anthracene	ND		0.033
Benzo[g,h,i]perylene	ND		0.033

Total Target Compounds: 0

INTEGRATED ANALYTICAL LABORATORIES

SEMIVOLATILE ORGANICS
Tentatively Identified Compounds

Client/Project: NA

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8378.D

GC/MS Column: DB-5
Sample wt/vol: 30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0

CAS #	Compound	Estimated Concentration	Retention Time
	No peaks detected		

Total TICs = 0

Response Factor Report MSD_B

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

Calibration Files
5 =B8220.D 80 =B8216.D 50 =B8215.D
20 =B8214.D 10 =B8218.D

		Compound (ppb)	5	80	50	20	10	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	T	N-Nitrosodimethylamin	0.414	0.467	0.593	0.438	0.420	0.466	15.81
3)	T	Pyridine	0.508	0.587	0.656	0.532	0.598	0.576	10.13
4)	S	2-Fluorophenol	0.986	1.202	1.249	0.949	1.016	1.080	12.54
5)	T	Benzaldehyde	0.377	0.255	0.371	0.295	0.324	0.325	15.82
6)	S	Phenol-d5	1.370	1.458	1.503	1.356	1.379	1.413	4.53
7)	MC	Phenol	1.122	1.511	1.408	1.222	1.217	1.296	12.25
8)	T	Aniline	0.628	0.648	0.684	0.620	0.605	0.637	4.75
9)	T	bis(2-Chloroethyl)eth	0.694	0.752	0.868	0.739	0.695	0.750	9.46
10)	M	2-Chlorophenol	1.017	1.099	1.169	1.033	1.062	1.076	5.65
11)	T	1,3-Dichlorobenzene	1.160	1.317	1.413	1.183	1.177	1.250	8.86
12)	MC	1,4-Dichlorobenzene	1.031	1.203	1.238	1.269	0.986	1.145	11.17
13)	T	Benzyl alcohol	0.612	0.752	0.746	0.683	0.649	0.689	8.83
14)	T	1,2-Dichlorobenzene	1.031	1.157	1.194	1.096	1.041	1.104	6.45
15)	T	2-Methylphenol	1.117	1.089	1.189	1.078	1.056	1.106	4.65
16)	T	bis(2-chloroisopropyl	1.183	1.196	1.293	1.215	1.249	1.227	3.64
17)	T	4-Methylphenol	1.006	0.996	1.129	1.045	1.038	1.043	5.03
18)	MP	N-Nitroso-di-n-propyl	0.691	0.728	0.823	0.737	0.724	0.741	6.65
19)	T	Acetophenone	1.498	1.531	1.652	1.494	1.512	1.537	4.26
20)	T	2-Aminotoluene +4-Ami	1.686	1.779	1.908	1.744	1.770	1.777	4.59
21)	T	Hexachloroethane	0.434	0.493	0.501	0.441	0.433	0.461	7.28
22)		ISTD1X						0.000	-1.00
23)	I	Naphthalene-d8	----------ISTD----------						
24)	S	Nitrobenzene-d5	0.280	0.332	0.372	0.286	0.290	0.312	12.53
25)	T	Nitrobenzene	0.268	0.293	0.300	0.266	0.276	0.281	5.40
26)	T	Isophorone	0.504	0.491	0.573	0.505	0.521	0.519	6.24
27)	TC	2-Nitrophenol	0.119	0.151	0.151	0.134	0.128	0.137	10.42
28)	T	2,4-Dimethylphenol	0.246	0.269	0.293	0.266	0.264	0.268	6.25
29)	T	bis(2-Chloroethoxy)me	0.282	0.313	0.359	0.310	0.322	0.317	8.78
30)	T	Benzoic acid	0.142	0.157	0.185	0.150	0.144	0.156	11.22
31)	T	2,4-Dimethylaniline	0.261	0.287	0.323	0.283	0.275	0.286	8.09
32)	TC	2,4-Dichlorophenol	0.182	0.208	0.235	0.195	0.196	0.203	9.80
33)	M	1,2,4-Trichlorobenzen	0.201	0.223	0.257	0.222	0.221	0.225	8.97
34)	T	Naphthalene	0.755	0.794	0.931	0.785	0.811	0.815	8.30
35)	T	4-Chloroaniline	0.385	0.447	0.501	0.418	0.426	0.435	9.84
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.111	0.127	0.138	0.127	0.119	0.124	8.12
38)	T	Caprolactam	0.092	0.094	0.112	0.092	0.097	0.097	8.56
39)	T	2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylphen	0.209	0.213	0.247	0.215	0.219	0.221	6.94
41)	T	2-Methylnaphthalene	0.518	0.572	0.597	0.541	0.536	0.553	5.67
42)		ISTD2X						0.000	-1.00
43)	I	Acenaphthene-d10	----------ISTD----------						
44)	TP	Hexachlorocyclopentad	0.112	0.200	0.188	0.162	0.109	0.154	27.37
45)	TC	2,4,6-Trichlorophenol	0.213	0.248	0.289	0.258	0.240	0.250	11.08
46)	T	2,4,5-Trichlorophenol	0.294	0.312	0.340	0.322	0.304	0.314	5.65
47)	S	2-Fluorobiphenyl	1.065	1.035	1.194	1.182	1.105	1.117	6.28

0254

48)	T	1-1'-Biphenyl	1.067	1.212	1.222	1.217	1.126	1.169	5.92
49)	T	2-Chloronaphthalene	0.786	0.844	0.993	0.860	0.814	0.859	9.31
50)	T	2-Nitroaniline	0.234	0.281	0.294	0.288	0.263	0.272	8.90
51)	T	Dimethylphthalate	0.897	0.982	1.008	0.993	0.937	0.963	4.70
52)	T	2,6-Dinitrotoluene	0.190	0.208	0.226	0.220	0.208	0.210	6.64
53)	T	Acenaphthylene	1.298	1.526	1.593	1.505	1.374	1.459	8.22
54)	T	3-Nitroaniline	0.282	0.347	0.345	0.335	0.315	0.325	8.36
55)	MC	Acenaphthene	0.828	0.878	1.020	0.911	0.854	0.898	8.32
56)	T	2,4-Dinitrophenol	0.035	0.083	0.087	0.079	0.053	0.067	33.38
57)	MP	4-Nitrophenol	0.266	0.321	0.359	0.304	0.299	0.310	10.94
58)	M	2,4-Dinitrotoluene	0.232	0.278	0.300	0.260	0.255	0.265	9.62
59)	T	Dibenzofuran	1.202	1.324	1.371	1.285	1.249	1.286	5.09
60)	T	Diethylphthalate	0.901	1.010	1.032	1.028	0.918	0.978	6.48
61)	T	Fluorene	0.931	1.006	1.110	0.997	0.959	1.001	6.80
62)	T	4-Chlorophenyl-phenyl	0.400	0.496	0.468	0.469	0.442	0.455	7.95
63)	T	4-Nitroaniline	0.237	0.281	0.314	0.255	0.245	0.266	11.70
64)		1,2,4,5-Tetrachlorobe	0.376	0.425	0.481	0.428	0.388	0.420	9.78
65)		ISTD3X						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methylp	0.032	0.077	0.073	0.057	0.047	0.057	32.64
68)	TC	N-Nitrosodiphenylamin	0.315	0.401	0.365	0.360	0.335	0.355	9.19
69)	T	1,2-Diphenylhydrazine	0.532	0.698	0.613	0.604	0.556	0.600	10.66
70)	S	2,4,6-Tribromophenol	0.092	0.108	0.107	0.097	0.092	0.099	7.70
71)	T	4-Bromophenyl-phenyle	0.122	0.148	0.163	0.137	0.133	0.141	11.30
72)	T	Hexachlorobenzene	0.140	0.183	0.179	0.155	0.148	0.161	11.69
73)	T	Atrazine	0.111	0.138	0.133	0.125	0.120	0.125	8.61
74)	MC	Pentachlorophenol	0.060	0.089	0.090	0.078	0.067	0.077	17.28
75)	T	Phenanthrene	0.662	0.818	0.804	0.720	0.689	0.739	9.38
76)	T	Anthracene	0.700	0.799	0.843	0.737	0.719	0.760	7.84
77)	T	Carbazole	0.600	0.691	0.711	0.634	0.621	0.651	7.26
78)	T	Di-n-butylphthalate	0.751	0.887	0.919	0.815	0.761	0.827	9.02
79)	TC	Fluoranthene	0.607	0.748	0.751	0.651	0.630	0.677	9.97
80)	T	Benzidine	0.123	0.173	0.189	0.125	0.123	0.147	21.84
81)		ISTD4X						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	0.869	1.085	1.128	1.005	0.917	1.001	10.92
84)	S	Terphenyl-d14	0.799	0.849	0.921	0.831	0.818	0.843	5.60
85)	T	3,3'-Dimethylbenzidin	0.478	0.524	0.680	0.517	0.494	0.539	15.11
86)	T	Butylbenzylphthalate	0.411	0.527	0.555	0.490	0.446	0.486	12.01
87)	T	3,3'-Dichlorobenzidin	0.262	0.215	0.236	0.256	0.258	0.245	8.04
88)	T	Benzo[a]anthracene	0.740	0.791	0.844	0.785	0.758	0.784	5.04
89)	T	Chrysene	0.714	0.772	0.823	0.763	0.746	0.763	5.21
90)	T	bis(2-Ethylhexyl)phth	0.557	0.711	0.740	0.649	0.602	0.652	11.56
91)		ISTD5X						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octylphthalate	1.320	1.853	1.953	1.646	1.493	1.653	15.61
94)	T	Benzo[b]fluoranthene	0.860	1.164	1.365	1.009	0.990	1.078	17.96
95)	T	Benzo[k]fluoranthene	1.113	1.224	1.213	1.192	1.065	1.161	5.98
96)	TC	Benzo[a]pyrene	0.929	1.038	1.103	1.003	0.946	1.004	7.03
97)	T	Indeno[1,2,3-cd]pyren	0.814	1.144	1.095	0.913	0.893	0.972	14.51
98)	T	Dibenz[a,h]anthracene	0.592	0.888	0.841	0.685	0.667	0.735	17.01
99)	T	Benzo[g,h,i]perylene	0.684	1.014	0.976	0.811	0.800	0.857	15.91

(#) = Out of Range

BW0203.M Tue Feb 18 11:59:46 2003 RPT1

Instrument ID:	**MSD_B**
Method ID:	**BW0203.M**
Date:	**02/18/2003**

Average %RSD = 10.03

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8359.D Vial: 87
Acq On : 26 Feb 2003 9:53 Operator: JC
Sample : .,20ng_BNA-inj-for_02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
2	T	N-Nitrosodimethylamine	0.466	0.515	-10.5	128	0.00
3	T	Pyridine	0.576	0.640	-11.1	131	0.00
4	S	2-Fluorophenol	1.080	1.005	6.9	115	0.00
5	T	Benzaldehyde	0.325	0.294	9.5	108	0.00
6	S	Phenol-d5	1.413	1.364	3.5	109	0.00
7	MC	Phenol	1.296	1.226	5.4	109	0.00
8	T	Aniline	0.637	0.647	-1.6	114	0.00
9	T	bis(2-Chloroethyl)ether	0.750	0.782	-4.3	115	0.00
10	M	2-Chlorophenol	1.076	1.055	2.0	111	0.00
11	T	1,3-Dichlorobenzene	1.250	1.216	2.7	112	0.00
12	MC	1,4-Dichlorobenzene	1.145	1.291	-12.8	111	0.00
13	T	Benzyl alcohol	0.689	0.671	2.6	107	0.00
14	T	1,2-Dichlorobenzene	1.104	1.120	-1.4	111	0.00
15	T	2-Methylphenol	1.106	1.100	0.5	111	0.00
16	T	bis(2-chloroisopropyl)ether	1.227	1.313	-7.0	118	0.00
17	T	4-Methylphenol	1.043	1.055	-1.2	110	0.00
18	MP	N-Nitroso-di-n-propylamine	0.741	0.740	0.1	109	0.00
19	T	Acetophenone	1.537	1.513	1.6	110	0.00
20	T	2-Aminotoluene +4-Aminotolu	1.777	1.776	0.1	111	0.00
21	T	Hexachloroethane	0.461	0.478	-3.7	118	0.00
22		ISTD1X	0.000	0.000	0.0	0	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
24	S	Nitrobenzene-d5	0.312	0.302	3.2	116	0.00
25	T	Nitrobenzene	0.281	0.272	3.2	112	0.00
26	T	Isophorone	0.519	0.509	1.9	111	0.00
27	TC	2-Nitrophenol	0.137	0.133	2.9	109	0.00
28	T	2,4-Dimethylphenol	0.268	0.257	4.1	106	0.00
29	T	bis(2-Chloroethoxy)methane	0.317	0.320	-0.9	113	0.00
30	T	Benzoic acid	0.156	0.127	18.6	93	-0.02
31	T	2,4-Dimethylaniline	0.286	0.273	4.5	106	0.00
32	TC	2,4-Dichlorophenol	0.203	0.196	3.4	111	0.00
33	M	1,2,4-Trichlorobenzene	0.225	0.214	4.9	106	0.00
34	T	Naphthalene	0.815	0.791	2.9	111	0.00
35	T	4-Chloroaniline	0.435	0.423	2.8	111	0.00
36	T	4-Aminoaniline	0.000	0.000	0.0	103	0.00
37	TC	Hexachlorobutadiene	0.124	0.119	4.0	103	0.00
38	T	Caprolactam	0.097	0.086	11.3	103	-0.02
39	T	2-Aminoaniline	0.000	0.000	0.0	103	0.00
40	MC	4-Chloro-3-methylphenol	0.221	0.209	5.4	107	0.00
41	T	2-Methylnaphthalene	0.553	0.516	6.7	105	0.00
42		ISTD2X	0.000	0.000	0.0	0	0.00
43	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
44	TP	Hexachlorocyclopentadiene	0.154	0.149	3.2	100	0.00
45	TC	2,4,6-Trichlorophenol	0.250	0.254	-1.6	107	0.00

46	T	2,4,5-Trichlorophenol	0.314	0.295	6.1	100	0.00
47	S	2-Fluorobiphenyl	1.117	1.075	3.8	99	0.00
48	T	1-1'-Biphenyl	1.169	1.124	3.8	100	0.00
49	T	2-Chloronaphthalene	0.859	0.885	-3.0	112	0.00
50	T	2-Nitroaniline	0.272	0.254	6.6	96	0.00
51	T	Dimethylphthalate	0.963	0.875	9.1	96	0.00
52	T	2,6-Dinitrotoluene	0.210	0.188	10.5	92	0.00
53	T	Acenaphthylene	1.459	1.410	3.4	102	0.00
54	T	3-Nitroaniline	0.325	0.298	8.3	97	0.00
55	MC	Acenaphthene	0.898	0.928	-3.3	111	0.00
56	T	2,4-Dinitrophenol	0.067	0.054	19.4	75	0.00
57	MP	4-Nitrophenol	0.310	0.297	4.2	106	0.00
58	M	2,4-Dinitrotoluene	0.265	0.233	12.1	97	0.00
59	T	Dibenzofuran	1.286	1.217	5.4	103	0.00
60	T	Diethylphthalate	0.978	0.951	2.8	100	0.00
61	T	Fluorene	1.001	0.919	8.2	100	0.00
62	T	4-Chlorophenyl-phenylether	0.455	0.410	9.9	95	0.00
63	T	4-Nitroaniline	0.266	0.229	13.9	97	0.00
64		1,2,4,5-Tetrachlorobenzene	0.420	0.430	-2.4	109	0.00
65		ISTD3X	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
67	T	4,6-Dinitro-2-methylphenol	0.057	0.048	15.8	81	0.00
68	TC	N-Nitrosodiphenylamine	0.355	0.368	-3.7	98	0.00
69	T	1,2-Diphenylhydrazine/Azobe	0.600	0.623	-3.8	99	0.00
70	S	2,4,6-Tribromophenol	0.099	0.095	4.0	94	0.00
71	T	4-Bromophenyl-phenylether	0.141	0.140	0.7	98	0.00
72	T	Hexachlorobenzene	0.161	0.161	0.0	99	0.00
73	T	Atrazine	0.125	0.124	0.8	95	0.00
74	MC	Pentachlorophenol	0.077	0.071	7.8	88	0.00
75	T	Phenanthrene	0.739	0.731	1.1	97	0.00
76	T	Anthracene	0.760	0.749	1.4	97	-0.01
77	T	Carbazole	0.651	0.624	4.1	94	0.00
78	T	Di-n-butylphthalate	0.827	0.827	0.0	97	0.00
79	TC	Fluoranthene	0.677	0.634	6.4	93	-0.01
80	T	Benzidine	0.147	0.127	13.6	97	0.00
81		ISTD4X	0.000	0.000	0.0	0	0.00
82	I	Chrysene-d12	1.000	1.000	0.0	83	-0.02
83	M	Pyrene	1.001	1.068	-6.7	88	-0.01
84	S	Terphenyl-d14	0.843	0.924	-9.6	93	0.00
85	T	3,3'-Dimethylbenzidine	0.539	0.492	8.7	88	-0.01
86	T	Butylbenzylphthalate	0.486	0.512	-5.3	87	-0.02
87	T	3,3'-Dichlorobenzidine	0.245	0.264	-7.8	86	-0.01
88	T	Benzo[a]anthracene	0.784	0.798	-1.8	85	-0.02
89	T	Chrysene	0.763	0.776	-1.7	85	-0.02
90	T	bis(2-Ethylhexyl)phthalate	0.652	0.671	-2.9	86	-0.02
91		ISTD5X	0.000	0.000	0.0	0	0.00
92	I	Perylene-d12	1.000	1.000	0.0	84	-0.01
93	TC	Di-n-octylphthalate	1.653	1.570	5.0	80	-0.02
94	T	Benzo[b]fluoranthene	1.078	0.911	15.5	76	-0.02
95	T	Benzo[k]fluoranthene	1.161	1.207	-4.0	85	-0.02
96	TC	Benzo[a]pyrene	1.004	0.988	1.6	82	-0.02
97	T	Indeno[1,2,3-cd]pyrene	0.972	1.051	-8.1	96	-0.02
98	T	Dibenz[a,h]anthracene	0.735	0.754	-2.6	92	-0.02
99	T	Benzo[g,h,i]perylene	0.857	0.958	-11.8	99	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
B8214.D BW0203.M Wed Feb 26 10:05:57 2003 RPT1

Response Factor Report MSD_B

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

Calibration Files
120 =B8217.D 80 =B8216.D 50 =B8215.D
20 =B8214.D 160 =B8219.D

		Compound (ppb)	120	80	50	20	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)	T	N-Nitrosodimethylamin	0.473	0.467	0.574	0.419	0.532	0.493	12.23
3)	T	Pyridine	0.516	0.577	0.633	0.532	0.577	0.567	8.05
4)	S	2-Fluorophenol	1.099	1.181	1.229	0.935	1.112	1.111	10.05
5)	T	Benzaldehyde	0.255	0.261	0.359	0.263	0.200	0.268	21.40
6)	S	Phenol-d5	1.388	1.448	1.489	1.345	1.396	1.413	3.97
7)	MC	Phenol	1.297	1.509	1.405	1.217	1.447	1.375	8.56
8)	T	Aniline	0.590	0.636	0.667	0.615	0.602	0.622	4.90
9)	T	bis(2-Chloroethyl)eth	0.705	0.752	0.866	0.742	0.737	0.760	8.07
10)	M	2-Chlorophenol	1.110	1.095	1.165	1.029	1.104	1.101	4.39
11)	T	1,3-Dichlorobenzene	1.147	1.318	1.344	1.187	1.216	1.242	6.84
12)	MC	1,4-Dichlorobenzene	1.283	1.193	1.289	1.228	1.257	1.250	3.20
13)	T	Benzyl alcohol	0.670	0.748	0.741	0.671	0.712	0.709	5.24
14)	T	1,2-Dichlorobenzene	1.145	1.155	1.190	1.097	1.141	1.146	2.90
15)	T	2-Methylphenol	1.026	1.051	1.149	1.025	1.018	1.054	5.20
16)	T	bis(2-chloroisopropyl	1.079	1.192	1.285	1.212	0.970	1.148	10.76
17)	T	4-Methylphenol	1.064	0.901	1.035	1.043	1.028	1.014	6.37
18)	MP	N-Nitroso-di-n-propyl	0.670	0.682	0.815	0.710	0.613	0.698	10.68
19)	T	Acetophenone	1.371	1.516	1.581	1.470	1.425	1.473	5.50
20)	T	2-Aminotoluene +4-Ami	1.723	1.754	1.893	1.556	1.610	1.707	7.72
21)	T	Hexachloroethane	0.445	0.493	0.500	0.443	0.431	0.462	6.89
22)		ISTD1X						0.000	-1.00
23)	I	Naphthalene-d8	----------ISTD----------						
24)	S	Nitrobenzene-d5	0.352	0.332	0.377	0.284	0.380	0.345	11.42
25)	T	Nitrobenzene	0.249	0.292	0.290	0.251	0.286	0.274	7.95
26)	T	Isophorone	0.474	0.490	0.574	0.498	0.492	0.506	7.77
27)	TC	2-Nitrophenol	0.142	0.150	0.148	0.135	0.138	0.143	4.44
28)	T	2,4-Dimethylphenol	0.259	0.262	0.284	0.265	0.257	0.265	4.02
29)	T	bis(2-Chloroethoxy)me	0.281	0.313	0.355	0.309	0.319	0.316	8.36
30)	T	Benzoic acid	0.155	0.154	0.183	0.153	0.145	0.158	9.05
31)	T	2,4-Dimethylaniline	0.282	0.285	0.309	0.285	0.285	0.289	3.83
32)	TC	2,4-Dichlorophenol	0.198	0.193	0.233	0.191	0.220	0.207	9.05
33)	M	1,2,4-Trichlorobenzen	0.227	0.223	0.262	0.219	0.245	0.235	7.67
34)	T	Naphthalene	0.815	0.792	0.944	0.766	0.726	0.809	10.22
35)	T	4-Chloroaniline	0.446	0.440	0.511	0.420	0.413	0.446	8.71
36)	T	4-Aminoaniline						0.000	-1.00
37)	TC	Hexachlorobutadiene	0.124	0.124	0.137	0.126	0.148	0.132	7.90
38)	T	Caprolactam	0.089	0.092	0.112	0.092	0.084	0.094	11.39
39)	T	2-Aminoaniline						0.000	-1.00
40)	MC	4-Chloro-3-methylphen	0.216	0.209	0.246	0.210	0.209	0.218	7.32
41)	T	2-Methylnaphthalene	0.549	0.554	0.591	0.544	0.500	0.548	5.93
42)		ISTD2X						0.000	-1.00
43)	I	Acenaphthene-d10	----------ISTD----------						
44)	TP	Hexachlorocyclopentad	0.215	0.238	0.227	0.164	0.238	0.216	14.26
45)	TC	2,4,6-Trichlorophenol	0.250	0.246	0.292	0.261	0.282	0.266	7.56
46)	T	2,4,5-Trichlorophenol	0.293	0.296	0.318	0.326	0.307	0.308	4.59
47)	S	2-Fluorobiphenyl	1.039	1.034	1.191	1.190	1.280	1.147	9.35

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48)	T	1-1'-Biphenyl	1.017	1.212	1.222	1.219	1.191	1.172	7.46
49)	T	2-Chloronaphthalene	0.883	0.839	0.998	0.864	0.853	0.887	7.20
50)	T	2-Nitroaniline	0.233	0.277	0.295	0.292	0.279	0.275	9.01
51)	T	Dimethylphthalate	0.855	0.983	1.012	0.992	1.018	0.972	6.89
52)	T	2,6-Dinitrotoluene	0.198	0.208	0.228	0.222	0.209	0.213	5.67
53)	T	Acenaphthylene	1.328	1.530	1.597	1.505	1.458	1.484	6.76
54)	T	3-Nitroaniline	0.286	0.346	0.344	0.338	0.346	0.332	7.75
55)	MC	Acenaphthene	0.915	0.881	1.028	0.921	0.803	0.910	8.95
56)	T	2,4-Dinitrophenol	0.098	0.094	0.101	0.080	0.104	0.095	10.12
57)	MP	4-Nitrophenol	0.276	0.323	0.357	0.307	0.323	0.317	9.35
58)	M	2,4-Dinitrotoluene	0.269	0.281	0.301	0.261	0.315	0.285	7.90
59)	T	Dibenzofuran	1.162	1.330	1.376	1.289	1.392	1.310	7.02
60)	T	Diethylphthalate	0.859	1.013	1.036	1.036	1.014	0.992	7.54
61)	T	Fluorene	0.898	1.012	1.119	1.009	1.060	1.020	7.99
62)	T	4-Chlorophenyl-phenyl	0.473	0.500	0.472	0.472	0.433	0.470	5.10
63)	T	4-Nitroaniline	0.281	0.272	0.303	0.229	0.268	0.271	9.97
64)		1,2,4,5-Tetrachlorobe	0.419	0.421	0.484	0.430	0.445	0.440	6.11
65)		ISTD3X						0.000	-1.00
66)	I	Phenanthrene-d10	----------ISTD----------						
67)	T	4,6-Dinitro-2-methylp	0.079	0.076	0.072	0.058	0.086	0.074	14.33
68)	TC	N-Nitrosodiphenylamin	0.349	0.401	0.366	0.362	0.342	0.364	6.20
69)	T	1,2-Diphenylhydrazine	0.538	0.632	0.614	0.603	0.561	0.590	6.58
70)	S	2,4,6-Tribromophenol	0.106	0.107	0.106	0.097	0.105	0.104	3.81
71)	T	4-Bromophenyl-phenyle	0.157	0.148	0.164	0.138	0.170	0.155	8.17
72)	T	Hexachlorobenzene	0.164	0.183	0.180	0.156	0.185	0.174	7.42
73)	T	Atrazine	0.142	0.137	0.133	0.124	0.132	0.134	5.01
74)	MC	Pentachlorophenol	0.084	0.084	0.090	0.077	0.090	0.085	6.08
75)	T	Phenanthrene	0.755	0.820	0.811	0.730	0.809	0.785	5.09
76)	T	Anthracene	0.776	0.783	0.824	0.714	0.754	0.770	5.24
77)	T	Carbazole	0.703	0.683	0.716	0.640	0.701	0.689	4.29
78)	T	Di-n-butylphthalate	0.900	0.888	0.918	0.814	0.876	0.879	4.50
79)	TC	Fluoranthene	0.741	0.744	0.745	0.659	0.730	0.724	5.06
80)	T	Benzidine	0.174	0.173	0.189	0.124	0.172	0.166	14.80
81)		ISTD4X						0.000	-1.00
82)	I	Chrysene-d12	----------ISTD----------						
83)	M	Pyrene	1.068	1.077	1.119	1.010	1.206	1.096	6.62
84)	S	Terphenyl-d14	0.877	0.845	0.921	0.823	0.914	0.876	4.89
85)	T	3,3'-Dimethylbenzidin	0.132	0.127	0.152	0.206	0.127	0.149	22.58
86)	T	Butylbenzylphthalate	0.525	0.522	0.554	0.493	0.560	0.531	5.12
87)	T	3,3'-Dichlorobenzidin	0.226	0.213	0.232	0.254	0.246	0.234	6.93
88)	T	Benzo[a]anthracene	0.796	0.793	0.845	0.789	0.836	0.812	3.26
89)	T	Chrysene	0.713	0.720	0.827	0.769	0.765	0.759	6.03
90)	T	bis(2-Ethylhexyl)phth	0.700	0.704	0.731	0.652	0.755	0.708	5.43
91)		ISTD5X						0.000	-1.00
92)	I	Perylene-d12	----------ISTD----------						
93)	TC	Di-n-octylphthalate	1.737	1.864	1.980	1.653	1.782	1.803	6.92
94)	T	Benzo[b]fluoranthene	1.091	1.172	1.384	1.013	1.251	1.182	12.17
95)	T	Benzo[k]fluoranthene	1.147	1.232	1.205	1.238	1.052	1.175	6.59
96)	TC	Benzo[a]pyrene	1.005	1.044	1.118	1.011	1.044	1.045	4.32
97)	T	Indeno[1,2,3-cd]pyren	1.217	1.136	1.088	0.892	1.315	1.130	14.02
98)	T	Dibenz[a,h]anthracene	0.927	0.863	0.833	0.688	1.013	0.865	13.94
99)	T	Benzo[g,h,i]perylene	1.074	1.012	0.920	0.742	1.139	0.977	15.81

(#) = Out of Range

BS0303.M Tue Feb 18 11:27:51 2003 RPT1

Instrument ID:	MSD_B
Method ID:	BS0303.M
Date:	02/18/2003

Average %RSD = 7.90

Refer to SW846 Method 8000B Section 7.5.1.

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8361.D Vial: 90
Acq On : 26 Feb 2003 10:24 Operator: JC
Sample : .,80ng_BNA-inj-for_02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
2	T	N-Nitrosodimethylamine	0.493	0.486	1.4	126	0.00
3	T	Pyridine	0.567	0.602	-6.2	127	0.00
4	S	2-Fluorophenol	1.111	1.018	8.4	104	0.00
5	T	Benzaldehyde	0.268	0.307	-14.6	39	0.00
6	S	Phenol-d5	1.413	1.296	8.3	108	0.00
7	MC	Phenol	1.375	1.170	14.9	94	0.00
8	T	Aniline	0.622	0.567	8.8	108	0.00
9	T	bis(2-Chloroethyl)ether	0.760	0.727	4.3	117	0.00
10	M	2-Chlorophenol	1.101	1.020	7.4	113	0.00
11	T	1,3-Dichlorobenzene	1.242	1.246	-0.3	115	0.00
12	MC	1,4-Dichlorobenzene	1.250	1.144	8.5	116	0.00
13	T	Benzyl alcohol	0.709	0.604	14.8	98	0.00
14	T	1,2-Dichlorobenzene	1.146	1.067	6.9	112	0.00
15	T	2-Methylphenol	1.054	0.969	8.1	112	0.00
16	T	bis(2-chloroisopropyl)ether	1.148	1.073	6.5	109	0.00
17	T	4-Methylphenol	1.014	0.978	3.6	131	0.00
18	MP	N-Nitroso-di-n-propylamine	0.698	0.609	12.8	108	0.00
19	T	Acetophenone	1.473	1.330	9.7	106	0.00
20	T	2-Aminotoluene +4-Aminotolu	1.707	1.614	5.4	111	0.00
21	T	Hexachloroethane	0.462	0.431	6.7	106	0.00
22		ISTD1X	0.000	0.000	0.0	0	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
24	S	Nitrobenzene-d5	0.345	0.340	1.4	109	0.00
25	T	Nitrobenzene	0.274	0.254	7.3	92	0.00
26	T	Isophorone	0.506	0.488	3.6	106	0.00
27	TC	2-Nitrophenol	0.143	0.134	6.3	95	0.00
28	T	2,4-Dimethylphenol	0.265	0.267	-0.8	108	0.00
29	T	bis(2-Chloroethoxy)methane	0.316	0.316	0.0	107	0.00
30	T	Benzoic acid	0.158	0.130	17.7	90	0.00
31	T	2,4-Dimethylaniline	0.289	0.287	0.7	107	0.00
32	TC	2,4-Dichlorophenol	0.207	0.191	7.7	105	0.00
33	M	1,2,4-Trichlorobenzene	0.235	0.239	-1.7	114	0.00
34	T	Naphthalene	0.809	0.844	-4.3	113	0.00
35	T	4-Chloroaniline	0.446	0.445	0.2	107	0.00
36	T	4-Aminoaniline	0.000	0.000	0.0	107	0.00
37	TC	Hexachlorobutadiene	0.132	0.142	-7.6	122	0.00
38	T	Caprolactam	0.094	0.078	17.0	91	-0.01
39	T	2-Aminoaniline	0.000	0.000	0.0	107	0.00
40	MC	4-Chloro-3-methylphenol	0.218	0.186	14.7	95	0.00
41	T	2-Methylnaphthalene	0.548	0.542	1.1	104	0.00
42		ISTD2X	0.000	0.000	0.0	0	0.00
43	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
44	TP	Hexachlorocyclopentadiene	0.216	0.210	2.8	88	0.00
45	TC	2,4,6-Trichlorophenol	0.266	0.265	0.4	107	0.00

46	T	2,4,5-Trichlorophenol	0.308	0.281	8.8	95	0.00
47	S	2-Fluorobiphenyl	1.147	1.172	-2.2	113	0.00
48	T	1-1'-Biphenyl	1.172	1.123	4.2	92	0.00
49	T	2-Chloronaphthalene	0.887	0.959	-8.1	114	0.00
50	T	2-Nitroaniline	0.275	0.254	7.6	91	0.00
51	T	Dimethylphthalate	0.972	0.845	13.1	85	0.00
52	T	2,6-Dinitrotoluene	0.213	0.182	14.6	87	0.00
53	T	Acenaphthylene	1.484	1.446	2.6	94	0.00
54	T	3-Nitroaniline	0.332	0.289	13.0	83	0.00
55	MC	Acenaphthene	0.910	0.950	-4.4	107	0.00
56	T	2,4-Dinitrophenol	0.095	0.074	22.1	79	0.00
57	MP	4-Nitrophenol	0.317	0.298	6.0	92	0.00
58	M	2,4-Dinitrotoluene	0.285	0.261	8.4	92	0.00
59	T	Dibenzofuran	1.310	1.243	5.1	93	0.00
60	T	Diethylphthalate	0.992	0.965	2.7	95	0.00
61	T	Fluorene	1.020	0.965	5.4	95	0.00
62	T	4-Chlorophenyl-phenylether	0.470	0.475	-1.1	95	0.00
63	T	4-Nitroaniline	0.271	0.241	11.1	88	0.00
64		1,2,4,5-Tetrachlorobenzene	0.440	0.463	-5.2	109	0.00
65		ISTD3X	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
67	T	4,6-Dinitro-2-methylphenol	0.074	0.066	10.8	78	0.00
68	TC	N-Nitrosodiphenylamine	0.364	0.420	-15.4	94	0.00
69	T	1,2-Diphenylhydrazine/Azobe	0.590	0.680	-15.3	97	0.00
70	S	2,4,6-Tribromophenol	0.104	0.106	-1.9	89	0.00
71	T	4-Bromophenyl-phenylether	0.155	0.156	-0.6	95	0.00
72	T	Hexachlorobenzene	0.174	0.187	-7.5	92	0.00
73	T	Atrazine	0.134	0.135	-0.7	89	0.00
74	MC	Pentachlorophenol	0.085	0.077	9.4	83	0.00
75	T	Phenanthrene	0.785	0.779	0.8	85	-0.01
76	T	Anthracene	0.770	0.807	-4.8	92	0.00
77	T	Carbazole	0.689	0.659	4.4	87	0.00
78	T	Di-n-butylphthalate	0.879	0.881	-0.2	89	0.00
79	TC	Fluoranthene	0.724	0.662	8.6	80	-0.01
80	T	Benzidine	0.166	0.138	16.9	71	0.00
81		ISTD4X	0.000	0.000	0.0	0	0.00
82	I	Chrysene-d12	1.000	1.000	0.0	78	-0.01
83	M	Pyrene	1.096	1.147	-4.7	83	-0.01
84	S	Terphenyl-d14	0.876	0.923	-5.4	85	-0.01
85	T	3,3'-Dimethylbenzidine	0.149	0.152	-2.0	93	0.00
86	T	Butylbenzylphthalate	0.531	0.561	-5.6	83	-0.01
87	T	3,3'-Dichlorobenzidine	0.234	0.250	-6.8	91	-0.01
88	T	Benzo[a]anthracene	0.812	0.831	-2.3	81	-0.01
89	T	Chrysene	0.759	0.789	-4.0	85	-0.01
90	T	bis(2-Ethylhexyl)phthalate	0.708	0.729	-3.0	80	0.00
91		ISTD5X	0.000	0.000	0.0	0	0.00
92	I	Perylene-d12	1.000	1.000	0.0	94	-0.02
93	TC	Di-n-octylphthalate	1.803	1.547	14.2	78	-0.01
94	T	Benzo[b]fluoranthene	1.182	0.994	15.9	80	-0.02
95	T	Benzo[k]fluoranthene	1.175	1.193	-1.5	91	-0.02
96	TC	Benzo[a]pyrene	1.045	1.018	2.6	91	-0.02
97	T	Indeno[1,2,3-cd]pyrene	1.130	1.236	-9.4	102	-0.02
98	T	Dibenz[a,h]anthracene	0.865	0.904	-4.5	98	-0.03
99	T	Benzo[g,h,i]perylene	0.977	1.091	-11.7	101	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

B8216.D BS0303.M Wed Feb 26 11:03:44 2003 RPT1

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8415.D Vial: 90
Acq On : 27 Feb 2003 8:13 Operator: JC
Sample : .,80ng_BNA-inj-for_02/27/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2	T	N-Nitrosodimethylamine	0.493	0.509	-3.2	108	0.00
3	T	Pyridine	0.567	0.617	-8.8	106	0.00
4	S	2-Fluorophenol	1.111	1.129	-1.6	94	0.00
5	T	Benzaldehyde	0.268	0.216	19.4	88	0.00
6	S	Phenol-d5	1.413	1.357	4.0	93	-0.01
7	MC	Phenol	1.375	1.275	7.3	83	-0.01
8	T	Aniline	0.622	0.612	1.6	95	-0.01
9	T	bis(2-Chloroethyl)ether	0.760	0.760	0.0	100	0.00
10	M	2-Chlorophenol	1.101	1.024	7.0	92	0.00
11	T	1,3-Dichlorobenzene	1.242	1.208	2.7	91	-0.01
12	MC	1,4-Dichlorobenzene	1.250	1.308	-4.6	108	-0.01
13	T	Benzyl alcohol	0.709	0.682	3.8	90	-0.01
14	T	1,2-Dichlorobenzene	1.146	1.187	-3.6	102	0.00
15	T	2-Methylphenol	1.054	1.134	-7.6	107	-0.01
16	T	bis(2-chloroisopropyl)ether	1.148	1.199	-4.4	99	-0.01
17	T	4-Methylphenol	1.014	1.024	-1.0	112	-0.01
18	MP	N-Nitroso-di-n-propylamine	0.698	0.724	-3.7	105	-0.01
19	T	Acetophenone	1.473	1.439	2.3	94	-0.02
20	T	2-Aminotoluene +4-Aminotolu	1.707	1.762	-3.2	99	-0.01
21	T	Hexachloroethane	0.462	0.484	-4.8	97	-0.01
22		ISTD1X	0.000	0.000	0.0	0	0.00
23	I	Naphthalene-d8	1.000	1.000	0.0	94	-0.02
24	S	Nitrobenzene-d5	0.345	0.341	1.2	97	-0.01
25	T	Nitrobenzene	0.274	0.267	2.6	86	-0.02
26	T	Isophorone	0.506	0.492	2.8	94	-0.02
27	TC	2-Nitrophenol	0.143	0.133	7.0	83	-0.02
28	T	2,4-Dimethylphenol	0.265	0.259	2.3	93	-0.01
29	T	bis(2-Chloroethoxy)methane	0.316	0.317	-0.3	95	-0.01
30	T	Benzoic acid	0.158	0.154	2.5	94	-0.02
31	T	2,4-Dimethylaniline	0.289	0.274	5.2	90	-0.02
32	TC	2,4-Dichlorophenol	0.207	0.199	3.9	97	-0.01
33	M	1,2,4-Trichlorobenzene	0.235	0.242	-3.0	102	-0.01
34	T	Naphthalene	0.809	0.863	-6.7	103	-0.01
35	T	4-Chloroaniline	0.446	0.459	-2.9	98	-0.01
36	T	4-Aminoaniline	0.000	0.000	0.0	97	-0.02
37	TC	Hexachlorobutadiene	0.132	0.134	-1.5	102	-0.01
38	T	Caprolactam	0.094	0.086	8.5	89	-0.02
39	T	2-Aminoaniline	0.000	0.000	0.0	97	-0.02
40	MC	4-Chloro-3-methylphenol	0.218	0.214	1.8	96	-0.02
41	T	2-Methylnaphthalene	0.548	0.575	-4.9	98	-0.02
42		ISTD2X	0.000	0.000	0.0	0	0.00
43	I	Acenaphthene-d10	1.000	1.000	0.0	88	-0.02
44	TP	Hexachlorocyclopentadiene	0.216	0.211	2.3	78	-0.02
45	TC	2,4,6-Trichlorophenol	0.266	0.242	9.0	87	-0.02

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46	T	2,4,5-Trichlorophenol	0.308	0.301	2.3	90	-0.02
47	S	2-Fluorobiphenyl	1.147	1.100	4.1	94	-0.02
48	T	1-1'-Biphenyl	1.172	1.320	-12.6	96	-0.02
49	T	2-Chloronaphthalene	0.887	0.878	1.0	92	-0.02
50	T	2-Nitroaniline	0.275	0.274	0.4	87	-0.02
51	T	Dimethylphthalate	0.972	1.008	-3.7	91	-0.02
52	T	2,6-Dinitrotoluene	0.213	0.232	-8.9	98	-0.02
53	T	Acenaphthylene	1.484	1.620	-9.2	93	-0.02
54	T	3-Nitroaniline	0.332	0.348	-4.8	89	-0.02
55	MC	Acenaphthene	0.910	0.877	3.6	88	-0.02
56	T	2,4-Dinitrophenol	0.095	0.093	2.1	87	-0.02
57	MP	4-Nitrophenol	0.317	0.276	12.9	76	-0.02
58	M	2,4-Dinitrotoluene	0.285	0.249	12.6	78	-0.02
59	T	Dibenzofuran	1.310	1.423	-8.6	94	-0.02
60	T	Diethylphthalate	0.992	0.963	2.9	84	-0.02
61	T	Fluorene	1.020	1.093	-7.2	95	-0.02
62	T	4-Chlorophenyl-phenylether	0.470	0.461	1.9	81	-0.02
63	T	4-Nitroaniline	0.271	0.256	5.5	83	-0.02
64		1,2,4,5-Tetrachlorobenzene	0.440	0.463	-5.2	97	-0.02
65		ISTD3X	0.000	0.000	0.0	0	0.00
66	I	Phenanthrene-d10	1.000	1.000	0.0	85	-0.02
67	T	4,6-Dinitro-2-methylphenol	0.074	0.070	5.4	78	-0.02
68	TC	N-Nitrosodiphenylamine	0.364	0.419	-15.1	89	-0.02
69	T	1,2-Diphenylhydrazine/Azobe	0.590	0.656	-11.2	88	-0.02
70	S	2,4,6-Tribromophenol	0.104	0.091	12.5	72	-0.02
71	T	4-Bromophenyl-phenylether	0.155	0.154	0.6	88	-0.02
72	T	Hexachlorobenzene	0.174	0.195	-12.1	90	-0.02
73	T	Atrazine	0.134	0.144	-7.5	90	-0.02
74	MC	Pentachlorophenol	0.085	0.080	5.9	82	-0.02
75	T	Phenanthrene	0.785	0.840	-7.0	87	-0.02
76	T	Anthracene	0.770	0.778	-1.0	84	-0.02
77	T	Carbazole	0.689	0.678	1.6	84	-0.02
78	T	Di-n-butylphthalate	0.879	0.918	-4.4	88	-0.02
79	TC	Fluoranthene	0.724	0.676	6.6	77	-0.03
80	T	Benzidine	0.166	0.169	-1.8	83	-0.02
81		ISTD4X	0.000	0.000	0.0	0	0.00
82	I	Chrysene-d12	1.000	1.000	0.0	75	-0.03
83	M	Pyrene	1.096	1.135	-3.6	79	-0.03
84	S	Terphenyl-d14	0.876	0.902	-3.0	80	-0.03
85	T	3,3'-Dimethylbenzidine	0.149	0.133	10.7	79	-0.03
86	T	Butylbenzylphthalate	0.531	0.549	-3.4	79	-0.03
87	T	3,3'-Dichlorobenzidine	0.234	0.242	-3.4	86	-0.03
88	T	Benzo[a]anthracene	0.812	0.834	-2.7	79	-0.03
89	T	Chrysene	0.759	0.771	-1.6	81	-0.03
90	T	bis(2-Ethylhexyl)phthalate	0.708	0.754	-6.5	81	-0.03
91		ISTD5X	0.000	0.000	0.0	0	0.00
92	I	Perylene-d12	1.000	1.000	0.0	91	-0.04
93	TC	Di-n-octylphthalate	1.803	1.702	5.6	83	-0.03
94	T	Benzo[b]fluoranthene	1.182	1.140	3.6	89	-0.04
95	T	Benzo[k]fluoranthene	1.175	1.092	7.1	81	-0.04
96	TC	Benzo[a]pyrene	1.045	1.011	3.3	88	-0.04
97	T	Indeno[1,2,3-cd]pyrene	1.130	1.264	-11.9	101	-0.06
98	T	Dibenz[a,h]anthracene	0.865	0.968	-11.9	102	-0.06
99	T	Benzo[g,h,i]perylene	0.977	1.121	-14.7	101	-0.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
B8216.D BS0303.M Thu Feb 27 09:56:55 2003 RPT1

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
20ng_OLM04-inj-for_		B8360.D	N/A	N/A	N/A	N/A	N/A	N/A
Method-blk	AQUEOUS	B8363.D	78	86	83	88	95	115
DI-MS	AQUEOUS	B8364.D	74	82	87	89	96	114
DI-MSD	AQUEOUS	B8365.D	76	83	84	90	100	115
Method-blk	AQUEOUS	B8366.D	76	81	83	88	97	115
01390-001	AQUEOUS	B8367.D	64	72	75	79	98	108
01398-001	AQUEOUS	B8368.D	63	69	72	76	90	115
01366-001	AQUEOUS	B8369.D	N/A	N/A	76	79	N/A	119
01366-002	AQUEOUS	B8370.D	N/A	N/A	75	79	N/A	125
01366-003	AQUEOUS	B8371.D	N/A	N/A	80	82	N/A	114
01366-004	AQUEOUS	B8372.D	N/A	N/A	75	77	N/A	112
01366-005	AQUEOUS	B8373.D	N/A	N/A	75	79	N/A	105
01366-006	AQUEOUS	B8374.D	N/A	N/A	85	87	N/A	119
01366-007	AQUEOUS	B8375.D	N/A	N/A	74	84	N/A	113
01376-001	AQUEOUS	B8376.D	85	86	84	87	92	105
01381-001	AQUEOUS	B8377.D	N/A	N/A	79	84	N/A	121
01389-001	AQUEOUS	B8404.D	N/A	N/A	74	84	N/A	83
01393-001	AQUEOUS	B8405.D	N/A	N/A	77	87	N/A	87
01393-002	AQUEOUS	B8406.D	N/A	N/A	75	86	N/A	84
01393-003	AQUEOUS	B8407.D	N/A	N/A	78	87	N/A	88
01393-004	AQUEOUS	B8408.D	N/A	N/A	76	86	N/A	87
01393-005	AQUEOUS	B8409.D	N/A	N/A	76	90	N/A	84

	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

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
01393-006	AQUEOUS	B8410.D	N/A	N/A	76	88	N/A	84
01393-007	AQUEOUS	B8411.D	N/A	N/A	81	92	N/A	83
01398-001	AQUEOUS	B8412.D	63	69	75	83	80	89
01389-001	AQUEOUS	B8413.D	N/A	N/A	78	86	N/A	85

	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

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/26/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
80ng_OLM04-inj-for_		B8362.D	N/A	N/A	N/A	N/A	N/A	N/A
Method-blk	SOIL	B8378.D	79	84	75	81	91	109
LCS	SOIL	B8379.D	63	76	73	81	88	112
MS(01398-007)	SOIL	B8380.D	63	75	76	81	89	122
MSD(01398-007)	SOIL	B8381.D	66	78	72	80	94	116
01396-002	SOIL	B8382.D	65	73	72	76	86	114
01396-003	SOIL	B8383.D	62	71	68	78	86	111
01396-004	SOIL	B8384.D	63	76	70	80	95	116
01396-005	SOIL	B8385.D	64	73	64	79	91	117
01396-006	SOIL	B8386.D	69	76	88	94	95	114
01398-012	SOIL	B8387.D	64	72	75	83	91	119
01398-003	SOIL	B8388.D	67	77	75	89	99	113
01398-004	SOIL	B8389.D	64	73	76	86	104	104
01398-005	SOIL	B8390.D	62	72	73	80	98	109
01398-006	SOIL	B8391.D	62	71	71	82	96	108
01398-007	SOIL	B8392.D	64	73	64	80	95	115
01398-008	SOIL	B8393.D	66	73	64	83	90	112
01398-009	SOIL	B8394.D	70	80	50	90	70	90
01398-010	SOIL	B8395.D	70	80	70	80	90	90
01398-011	SOIL	B8396.D	62	72	69	88	105	97
01386-001	SOIL	B8397.D	N/A	N/A	86	92	N/A	83
01399-001	SOIL	B8398.D	N/A	N/A	73	87	N/A	102

	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

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

SEMIVOLATILE SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 02/27/2003

Lab Sample ID	Matrix	File ID	S1	S2	S3	S4	S5	S6
80ng_OLM04-inj-for_		B8417.D	N/A	N/A	N/A	N/A	N/A	N/A
01398-004	SOIL	B8419.D	60	70	60	80	80	100
01398-010	SOIL	B8420.D	80	80	N/A	80	80	120
01398-011	SOIL	B8421.D	60	75	70	80	90	105
01396-006	SOIL	B8422.D	61	77	72	85	90	101
Method-blk	SOIL	B8446.D	72	76	69	76	82	97
LCS	SOIL	B8447.D	71	76	77	88	87	108
01396-004	SOIL	B8448.D	68	76	73	85	87	110
01396-006	SOIL	B8449.D	69	76	74	85	85	104
01430-002	SOIL	B8450.D	67	73	70	75	88	110
01421-001	SOIL	B8451.D	61	74	69	80	85	104
01421-002	SOIL	B8452.D	64	75	65	72	90	94
01421-003	SOIL	B8453.D	60	70	67	76	82	100
01421-004	SOIL	B8454.D	62	72	65	74	82	96
01432-001	SOIL	B8455.D	N/A	N/A	72	87	N/A	84
01432-002	SOIL	B8456.D	N/A	N/A	96	102	N/A	82
01432-003	SOIL	B8457.D	N/A	N/A	77	94	N/A	90
01432-004	SOIL	B8458.D	N/A	N/A	70	77	N/A	85
01432-005	SOIL	B8459.D	N/A	N/A	81	93	N/A	89
01430-002MS	SOIL	B8460.D	58	65	68	73	83	92
01430-002MS	SOIL	B8461.D	67	72	70	76	86	92

	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.: B022603W

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	30.0	0.0	21.3	71	44 - 91
2-Chlorophenol	30.0	0.0	20.7	69	47 - 90
1,4-Dichlorobenzene	30.0	0.0	22.1	74	43 - 91
N-Nitroso-di-n-propylamine	30.0	0.0	22.7	76	53 - 99
1,2,4-Trichlorobenzene	30.0	0.0	21.0	70	45 - 87
4-Chloro-3-methylphenol	30.0	0.0	23.3	78	51 - 103
Acenaphthene	30.0	0.0	22.6	75	54 - 111
4-Nitrophenol	30.0	0.0	21.3	71	49 - 114
2,4-Dinitrotoluene	30.0	0.0	22.0	73	49 - 124
Pentachlorophenol	30.0	0.0	24.3	81	40 - 105
Pyrene	30.0	0.0	27.4	91	46 - 129

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	20.9	70	1	10	44 - 91
2-Chlorophenol	0.0	20.8	69	0	8	47 - 90
1,4-Dichlorobenzene	0.0	21.9	73	1	9	43 - 91
N-Nitroso-di-n-propylamine	0.0	22.6	75	1	9	53 - 99
1,2,4-Trichlorobenzene	0.0	20.6	69	1	8	45 - 87
4-Chloro-3-methylphenol	0.0	23.3	78	0	9	51 - 103
Acenaphthene	0.0	23.7	79	5	11	54 - 111
4-Nitrophenol	0.0	21.7	72	1	14	49 - 114
2,4-Dinitrotoluene	0.0	22.5	75	3	20	49 - 124
Pentachlorophenol	0.0	25.2	84	4	16	40 - 105
Pyrene	0.0	28.0	93	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: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8363.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	26.7	89	0.0	25.5	85
Benzaldehyde	30.0	0.0	3.3	11	0.0	3.3	11
Phenol	30.0	0.0	21.3	71	0.0	20.9	70
Aniline	30.0	0.0	20.0	67	0.0	20.0	67
bis(2-Chloroethyl)ether	30.0	0.0	23.1	77	0.0	21.9	73
2-Chlorophenol	30.0	0.0	20.7	69	0.0	20.8	69
1,3-Dichlorobenzene	30.0	0.0	20.7	69	0.0	20.3	68
1,4-Dichlorobenzene	30.0	0.0	22.1	74	0.0	21.9	73
Benzyl alcohol	30.0	0.0	21.8	73	0.0	22.0	73
1,2-Dichlorobenzene	30.0	0.0	22.0	73	0.0	21.6	72
2-Methylphenol	30.0	0.0	20.1	67	0.0	19.8	66
bis(2-chloroisopropyl)ether	30.0	0.0	23.0	77	0.0	22.5	75
4-Methylphenol	30.0	0.0	21.0	70	0.0	21.1	70
N-Nitroso-di-n-propylamine	30.0	0.0	22.7	76	0.0	22.6	75
Acetophenone	30.0	0.0	21.7	72	0.0	21.4	71
2-Aminotoluene +4-Aminotoluene	60.0	0.0	41.4	69	0.0	40.3	67
Hexachloroethane	30.0	0.0	20.6	69	0.0	20.9	70
Nitrobenzene	30.0	0.0	21.3	71	0.0	20.3	68
Isophorone	30.0	0.0	23.9	80	0.0	22.8	76
2-Nitrophenol	30.0	0.0	21.6	72	0.0	21.6	72
2,4-Dimethylphenol	30.0	0.0	23.2	77	0.0	22.7	76
bis(2-Chloroethoxy)methane	30.0	0.0	22.6	75	0.0	22.1	74
Benzoic acid	30.0	0.0	18.0	60	0.0	18.9	63
2,4-Dimethylaniline	30.0	0.0	23.8	79	0.0	23.4	78
2,4-Dichlorophenol	30.0	0.0	22.7	76	0.0	22.0	73
1,2,4-Trichlorobenzene	30.0	0.0	21.0	70	0.0	20.6	69
Naphthalene	30.0	0.0	21.3	71	0.0	20.5	68
4-Chloroaniline	30.0	0.0	21.7	72	0.0	20.8	69
Hexachlorobutadiene	30.0	0.0	20.5	68	0.0	19.6	65
Caprolactam	30.0	0.0	22.3	74	0.0	21.9	73
4-Chloro-3-methylphenol	30.0	0.0	23.3	78	0.0	23.3	78
2-Methylnaphthalene	30.0	0.0	20.2	67	0.0	19.3	64
Hexachlorocyclopentadiene	30.0	0.0	17.3	58	0.0	19.2	64
2,4,6-Trichlorophenol	30.0	0.0	23.0	77	0.0	23.8	79
2,4,5-Trichlorophenol	30.0	0.0	20.6	69	0.0	20.5	68
1-1'-Biphenyl	30.0	0.0	22.4	75	0.0	22.8	76
2-Chloronaphthalene	30.0	0.0	23.0	77	0.0	22.6	75
2-Nitroaniline	30.0	0.0	21.1	70	0.0	21.4	71
Dimethylphthalate	30.0	0.0	22.8	76	0.0	24.0	80

INTEGRATED ANALYTICAL LABORATORIES

MS/MSD SPIKE REPORT

Lab ID: Method-blk
Client ID: .
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: B8363.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	21.6	72	0.0	22.0	73
Acenaphthylene	30.0	0.0	22.7	76	0.0	23.0	77
3-Nitroaniline	30.0	0.0	20.6	69	0.0	21.5	72
Acenaphthene	30.0	0.0	22.6	75	0.0	23.7	79
2,4-Dinitrophenol	30.0	0.0	19.6	65	0.0	21.9	73
4-Nitrophenol	30.0	0.0	21.3	71	0.0	21.7	72
2,4-Dinitrotoluene	30.0	0.0	22.0	73	0.0	22.5	75
Dibenzofuran	30.0	0.0	20.7	69	0.0	21.5	72
Diethylphthalate	30.0	0.0	21.9	73	0.0	22.8	76
Fluorene	30.0	0.0	22.1	74	0.0	22.1	74
4-Chlorophenyl-phenylether	30.0	0.0	21.1	70	0.0	22.1	74
4-Nitroaniline	30.0	0.0	17.8	59	0.0	18.2	61
4,6-Dinitro-2-methylphenol	30.0	0.0	23.1	77	0.0	24.8	83
N-Nitrosodiphenylamine	30.0	0.0	27.7	92	0.0	28.3	94
1,2-Diphenylhydrazine/Azobenzene	30.0	0.0	24.1	80	0.0	24.7	82
4-Bromophenyl-phenylether	30.0	0.0	26.1	87	0.0	26.5	88
Hexachlorobenzene	30.0	0.0	26.4	88	0.0	26.9	90
Atrazine	30.0	0.0	23.4	78	0.0	23.6	79
Pentachlorophenol	30.0	0.0	24.3	81	0.0	25.2	84
Phenanthrene	30.0	0.0	24.9	83	0.0	25.1	84
Anthracene	30.0	0.0	25.0	83	0.0	25.1	84
Carbazole	30.0	0.0	26.0	87	0.0	25.6	85
Di-n-butylphthalate	30.0	0.0	26.5	88	0.0	26.2	87
Fluoranthene	30.0	0.0	25.0	83	0.0	24.7	82
Benzidine	30.0	0.0	11.3	38	0.0	10.9	36
Pyrene	30.0	0.0	27.4	91	0.0	28.0	93
3,3'-Dimethylbenzidine	30.0	0.0	8.3	28	0.0	8.4	28
Butylbenzylphthalate	30.0	0.0	27.3	91	0.0	27.8	93
3,3'-Dichlorobenzidine	30.0	0.0	30.3	101	0.0	30.4	101
Benzo[a]anthracene	30.0	0.0	26.8	89	0.0	27.7	92
Chrysene	30.0	0.0	26.9	90	0.0	27.4	91
bis(2-Ethylhexyl)phthalate	30.0	0.0	27.1	90	0.0	28.3	94
Di-n-octylphthalate	30.0	0.0	23.6	79	0.0	23.5	78
Benzo[b]fluoranthene	30.0	0.0	21.7	72	0.0	26.3	88
Benzo[k]fluoranthene	30.0	0.0	26.8	89	0.0	25.0	83
Benzo[a]pyrene	30.0	0.0	25.9	86	0.0	25.9	86
Indeno[1,2,3-cd]pyrene	30.0	0.0	28.5	95	0.0	28.4	95
Dibenz[a,h]anthracene	30.0	0.0	31.2	104	0.0	31.9	106
Benzo[g,h,i]perylene	30.0	0.0	28.1	94	0.0	28.4	95

SOIL SEMIVOLATILE MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01398-007 Batch No.: B022603S

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100.0	0.0	66.2	66	40 - 89
2-Chlorophenol	100.0	0.0	66.8	67	44 - 88
1,4-Dichlorobenzene	50.0	0.0	37.9	76	41 - 89
N-Nitroso-di-n-propylamine	50.0	0.0	41.2	82	36 - 98
1,2,4-Trichlorobenzene	50.0	0.0	38.2	76	40 - 93
4-Chloro-3-methylphenol	100.0	0.0	74.8	75	45 - 98
Acenaphthene	50.0	0.0	41.5	83	49 - 112
4-Nitrophenol	100.0	0.0	37.3	37	28 - 106
2,4-Dinitrotoluene	50.0	0.0	35.7	71	24 - 102
Pentachlorophenol	100.0	0.0	94.6	95	55 - 120
Pyrene	50.0	2.7	59.0	113	50 - 127

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	0.0	68.6		69	4		16	40 - 89
2-Chlorophenol	0.0	68.7		69	3		17	44 - 88
1,4-Dichlorobenzene	0.0	36.1		72	5		18	41 - 89
N-Nitroso-di-n-propylamine	0.0	38.8		78	5		21	36 - 98
1,2,4-Trichlorobenzene	0.0	36.2		72	5		19	40 - 93
4-Chloro-3-methylphenol	0.0	76.3		76	1		19	45 - 98
Acenaphthene	0.0	38.7		77	8		21	49 - 112
4-Nitrophenol	0.0	36.4		36	3		22	28 - 106
2,4-Dinitrotoluene	0.0	34.2		68	4		23	24 - 102
Pentachlorophenol	0.0	97.2		97	2		21	55 - 120
Pyrene	2.7	52.1		99	13		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.

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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22							

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): B8359.D Date Analyzed: 02/26/2003

Instrument ID: MSDB Time Analyzed: 09:53

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	24 HOUR STD	64629	2.39	263101	2.93	131275	3.69
	UPPER LIMIT	129258	2.89	526202	3.43	262550	4.19
	LOWER LIMIT	32315	1.89	131551	2.43	65638	3.19
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	77092	2.39	313793	2.92	161003	3.68
02	Method-blk	66773	2.39	272757	2.93	144255	3.68
03	DI-MS	71993	2.39	275347	2.93	142853	3.69
04	DI-MSD	77558	2.39	301627	2.93	151040	3.69
05	Method-blk	73386	2.39	289074	2.93	148306	3.68
06	01390-001	78593	2.39	304046	2.93	152941	3.69
07	01398-001	74543	2.39	297997	2.93	155136	3.69
08	01366-001	68198	2.39	272298	2.93	141447	3.68
09	01366-002	69620	2.39	281199	2.93	144146	3.68
10	01366-003	62033	2.39	251810	2.93	135476	3.69
11	01366-004	71065	2.39	286521	2.93	147702	3.68
12	01366-005	68985	2.39	274648	2.93	142926	3.68
13	01366-006	75812	2.39	297663	2.93	151511	3.69
14	01366-007	64510	2.39	261847	2.93	136867	3.69
15	01376-001	65379	2.38	249468	2.93	115789	3.69
16	01381-001	66860	2.39	271218	2.93	137911	3.68
17	01389-001	49376	2.39	192059	2.93	90299	3.68
18	01393-001	58411	2.39	217385	2.93	99220	3.69
19	01393-002	54189	2.39	202343	2.93	93083	3.68
20	01393-003	53857	2.39	205738	2.93	95912	3.68
21	01393-004	52604	2.39	201843	2.93	94207	3.68
22	01393-005	54687	2.39	207528	2.93	91894	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): B8359.D Date Analyzed: 02/26/2003

Instrument ID: MSDB Time Analyzed: 09:53

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	24 HOUR STD	218539	4.34	128209	6.12	74079	7.41
	UPPER LIMIT	437078	4.84	256418	6.62	148158	7.91
	LOWER LIMIT	109270	3.84	64105	5.62	37040	6.91
	LAB SAMPLE ID						
01	20ng_OLM04-inj-for_0	270296	4.34	142642	6.12	77351	7.41
02	Method-blk	255159	4.34	153508	6.13	86899	7.41
03	DI-MS	225786	4.34	130942	6.12	79683	7.41
04	DI-MSD	238919	4.34	135541	6.13	83125	7.41
05	Method-blk	248691	4.34	146272	6.12	81985	7.41
06	01390-001	228764	4.34	126892	6.12	78509	7.41
07	01398-001	252787	4.34	145129	6.12	84819	7.41
08	01366-001	228390	4.34	127635	6.13	77537	7.41
09	01366-002	233460	4.34	123828	6.13	76876	7.41
10	01366-003	227366	4.34	134363	6.13	78168	7.41
11	01366-004	235898	4.34	132624	6.12	81713	7.41
12	01366-005	230175	4.33	135677	6.12	81856	7.41
13	01366-006	240015	4.34	128739	6.13	78294	7.41
14	01366-007	223482	4.34	125863	6.12	74064	7.41
15	01376-001	171284	4.34	100168	6.12	66192	7.41
16	01381-001	216164	4.34	124417	6.12	74646	7.41
17	01389-001	124549	4.34	98531	6.13	85438	7.41
18	01393-001	137787	4.34	102614	6.12	88568	7.42
19	01393-002	128620	4.34	102923	6.13	87219	7.41
20	01393-003	130106	4.34	105489	6.12	87912	7.41
21	01393-004	132822	4.34	107651	6.12	90947	7.41
22	01393-005	128778	4.33	102746	6.10	87757	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.

FORM VIII SV-2 0282

303122

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8359.D

Date Analyzed: 02/26/2003

Instrument ID: MSDB

Time Analyzed: 09:53

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	24 HOUR STD	64629	2.39	263101	2.93	131275	3.69
	UPPER LIMIT	129258	2.89	526202	3.43	262550	4.19
	LOWER LIMIT	32315	1.89	131551	2.43	65638	3.19
	LAB SAMPLE ID						
01	01393-006	56372	2.39	207327	2.93	94632	3.68
02	01393-007	55841	2.39	205831	2.93	93710	3.68
03	01398-001	54726	2.39	206718	2.93	97137	3.68
04	01389-001	58504	2.38	212811	2.93	96736	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): B8359.D

Date Analyzed: 02/26/2003

Instrument ID: MSDB

Time Analyzed: 09:53

	50UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	24 HOUR STD	218539	4.34	128209	6.12	74079	7.41
	UPPER LIMIT	437078	4.84	256418	6.62	148158	7.91
	LOWER LIMIT	109270	3.84	64105	5.62	37040	6.91
	LAB SAMPLE ID						
01	01393-006	128486	4.33	104070	6.12	86939	7.41
02	01393-007	129945	4.33	106453	6.13	88088	7.41
03	01398-001	132157	4.33	107473	6.12	91351	7.41
04	01389-001	124680	4.34	98179	6.13	86317	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.

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.

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_	018943*	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.

FORM VIII SV-1 0289

303129

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): B8415.D Date Analyzed: 02/27/2003

Instrument ID: MSDB Time Analyzed: 08:13

	40UG/L	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	56958	2.38	218700	2.92	106831	3.67
	UPPER LIMIT	113916	2.88	437400	3.42	213662	4.17
	LOWER LIMIT	28479	1.88	109350	2.42	53416	3.17
	LAB SAMPLE ID						
01	80ng_OLM04-inj-for_0	61085	2.38	258726	2.91	123396	3.67
02	01398-004	65825	2.38	266107	2.92	128859	3.67
03	01398-010	60391	2.38	225292	2.91	135350	3.67
04	01398-011	60583	2.38	248754	2.92	131218	3.67
05	01396-006	66240	2.38	241286	2.92	135273	3.67
06	Method-blk	65893	2.38	255566	2.91	136828	3.67
07	LCS	65797	2.38	246144	2.92	134473	3.67
08	01396-004	64866	2.38	245901	2.91	129351	3.67
09	01396-006	65291	2.38	246950	2.91	127079	3.67
10	01430-002	66279	2.38	260594	2.91	141724	3.67
11	01421-001	69237	2.38	257308	2.91	129565	3.67
12	01421-002	65331	2.38	248081	2.91	132961	3.67
13	01421-003	65765	2.38	244604	2.91	125917	3.66
14	01421-004	61785	2.38	237825	2.91	124035	3.67
15	01432-001	61574	2.38	213182	2.91	106616	3.67
16	01432-002	59484	2.38	174630	2.92	84989	3.69
17	01432-003	63690	2.38	239910	2.92	109401	3.67
18	01432-004	60642	2.38	221134	2.91	120557	3.67
19	01432-005	59276	2.38	213750	2.91	100349	3.67
20	01430-002MS	61823	2.38	225199	2.91	125113	3.67
21	01430-002MS	62645	2.38	231424	2.91	131190	3.67
22							

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): B8415.D Date Analyzed: 02/27/2003

Instrument ID: MSDB Time Analyzed: 08:13

	40UG/L	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
	12 HOUR STD	175546	4.32	105240	6.11	66161	7.39
	UPPER LIMIT	351092	4.82	210480	6.61	132322	7.89
	LOWER LIMIT	87773	3.82	52620	5.61	33081	6.89
	LAB SAMPLE ID						
01	80ng_OLM04-inj-for_0	229715	4.32	139367	6.11	79676	7.38
02	01398-004	206961	4.32	135547	6.11	86731	7.39
03	01398-010	193331	4.32	107949	6.10	75147	7.38
04	01398-011	193024	4.32	111994	6.08	76930	7.39
05	01396-006	206477	4.32	121947	6.10	81490	7.39
06	Method-blk	209254	4.32	122481	6.10	84312	7.38
07	LCS	203793	4.32	122377	6.11	86279	7.38
08	01396-004	203661	4.32	119531	6.10	84526	7.37
09	01396-006	203652	4.32	119178	6.09	83740	7.38
10	01430-002	212993	4.32	123916	6.10	86983	7.38
11	01421-001	211877	4.32	116109	6.10	82044	7.37
12	01421-002	198032	4.32	115192	6.10	81378	7.38
13	01421-003	203941	4.32	112332	6.09	82152	7.38
14	01421-004	189573	4.32	105336	6.10	78930	7.37
15	01432-001	161599	4.32	98999	6.09	81484	7.38
16	01432-002	130692	4.34	88194	6.09	81243	7.38
17	01432-003	156773	4.32	108252	6.09	88762	7.38
18	01432-004	159704	4.32	108123	6.09	85674	7.38
19	01432-005	146597	4.32	100253	6.09	85320	7.38
20	01430-002MS	184989	4.32	114198	6.09	87591	7.38
21	01430-002MS	186875	4.32	111928	6.09	89947	7.38
22							

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 0292

303132

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8368.D Vial: 2
Acq On : 26 Feb 2003 12:12 Operator: JC
Sample : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 12:22:25 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	74543	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	297997	40.00	UG	0.00
43) Acenaphthene-d10	3.69	164	155136	40.00	UG	0.00
66) Phenanthrene-d10	4.34	188	252787	40.00	UG	0.00
82) Chrysene-d12	6.12	240	145129	40.00	UG	-0.02
92) Perylene-d12	7.41	264	84819	40.00	UG	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	127422	63.29	UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 63.29%			
6) Phenol-d5	2.21	99	182667	69.37	UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 69.37%			
24) Nitrobenzene-d5	2.62	82	84092	36.18	UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 72.36%			
47) 2-Fluorobiphenyl	3.38	172	163918	37.85	UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 75.70%			
70) 2,4,6-Tribromophenol	4.02	330	56682	90.34	UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 90.34%			
84) Terphenyl-d14	5.22	244	176520	57.69	UG	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.38%			

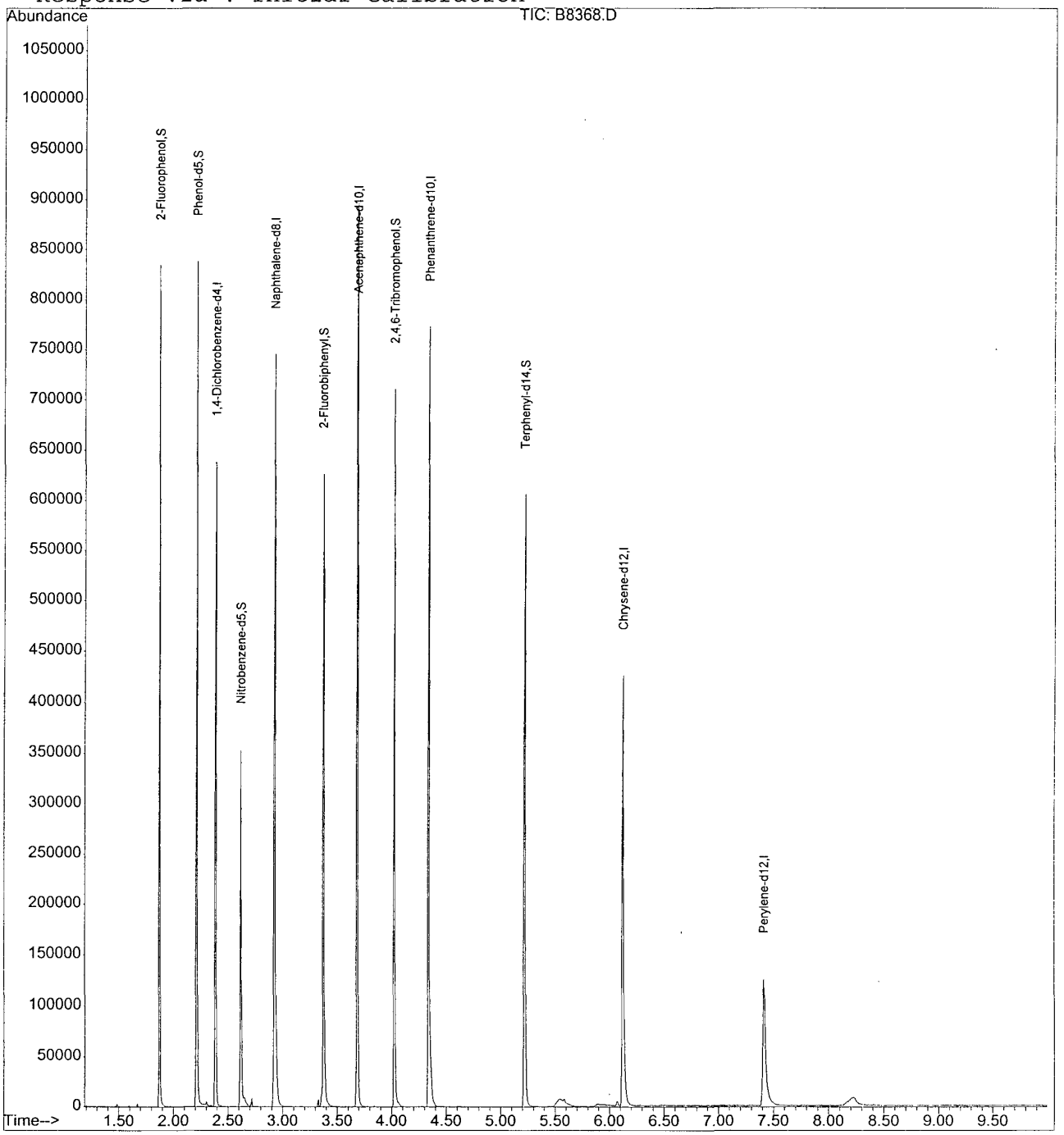
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8368.D Vial: 2
Acq On : 26 Feb 2003 12:12 Operator: JC
Sample : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 12:28 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



Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-26-03\B8368.D          Vial: 2
Acq On    : 26 Feb 2003  12:12                     Operator: JC
Sample    : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1   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

****

B8368.D BW0203.M Wed Feb 26 12:28:24 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8388.D Vial: 35
Acq On : 26 Feb 2003 17:25 Operator: JC
Sample : SB-X13-0/0-0,01398-003,S,10.24g,11.1,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 17:35:35 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	61247	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	233351	40.00	UG	0.00
43) Acenaphthene-d10	3.68	164	113635	40.00	UG	-0.01
66) Phenanthrene-d10	4.33	188	167670	40.00	UG	-0.01
82) Chrysene-d12	6.12	240	91246	40.00	UG	-0.02
92) Perylene-d12	7.41	264	68871	40.00	UG	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	1.87	112	113736	66.85	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 66.85%			
6) Phenol-d5	2.21	99	166684	77.03	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 77.03%			
24) Nitrobenzene-d5	2.62	82	75052	37.31	UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 74.62%			
47) 2-Fluorobiphenyl	3.37	172	144294	44.29	UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 88.58%			
70) 2,4,6-Tribromophenol	4.02	330	43388	99.35	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 99.35%			
84) Terphenyl-d14	5.21	244	112928	56.52	UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 113.04%			

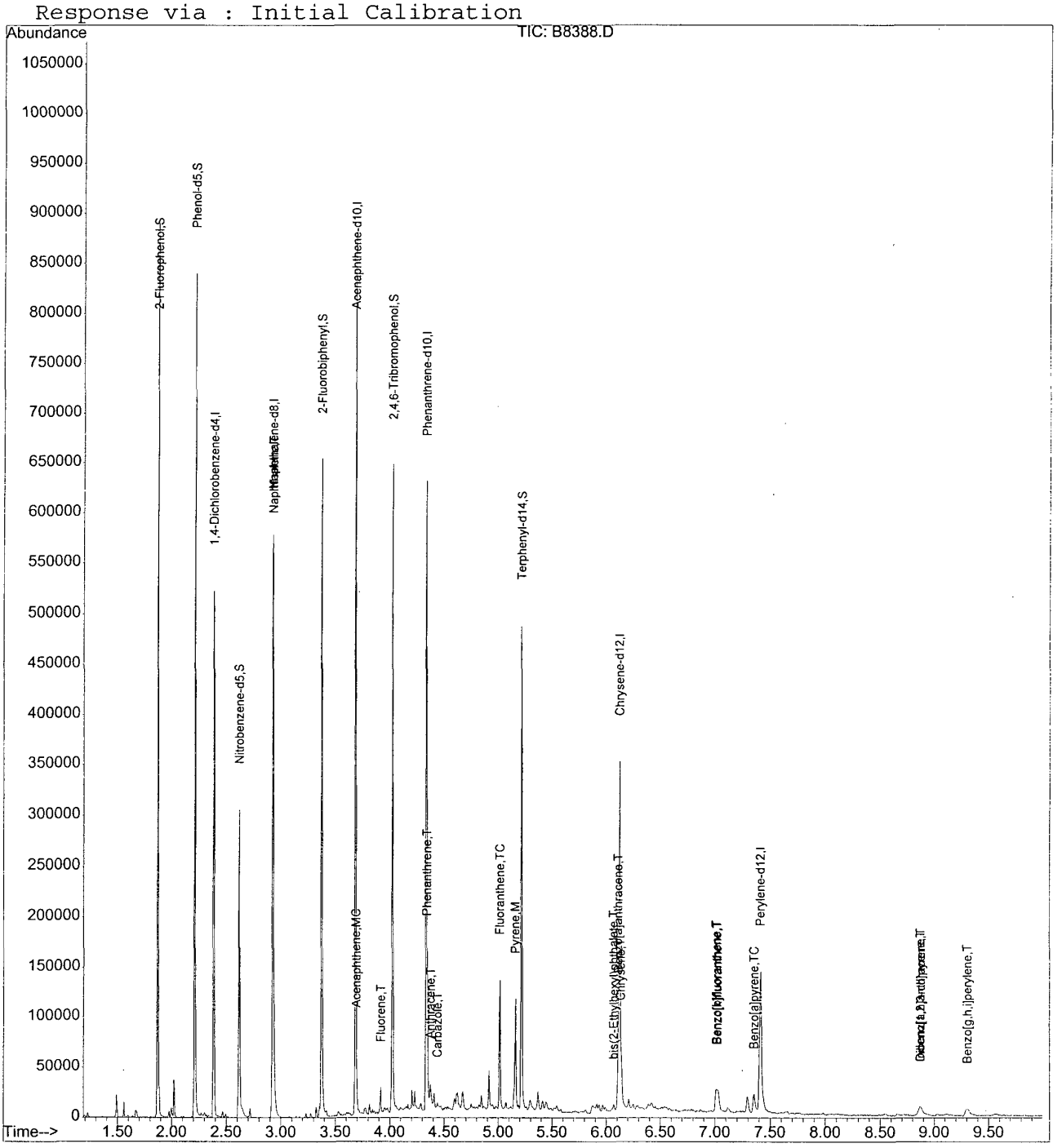
Target Compounds							Qvalue
34) Naphthalene	2.93	128	5788	1.23	UG	#	51
55) Acenaphthene	3.70	153	2395	0.93	UG		94
61) Fluorene	3.92	166	2704	0.93	UG		96
75) Phenanthrene	4.35	178	26412	8.03	UG		99
76) Anthracene	4.37	178	7345m	2.28	UG		
77) Carbazole	4.44	167	2199	0.76	UG	#	97
79) Fluoranthene	5.02	202	38129	12.57	UG		99
83) Pyrene	5.16	202	31519	12.61	UG		96
88) Benzo[a]anthracene	6.11	228	13880	7.50	UG	#	91
89) Chrysene	6.14	228	13801	7.97	UG		94
90) bis(2-Ethylhexyl)phthalate	6.07	149	1725	1.07	UG	#	87
94) Benzo[b]fluoranthene	7.01	252	10397	5.11	UG	#	89
95) Benzo[k]fluoranthene	7.03	252	10206	5.04	UG	#	89
96) Benzo[a]pyrene	7.36	252	10070	5.60	UG	#	90
97) Indeno[1,2,3-cd]pyrene	8.87	276	8570	4.41	UG		94
98) Dibenz[a,h]anthracene	8.87	278	2921m	1.96	UG		
99) Benzo[g,h,i]perylene	9.30	276	7895	4.69	UG		95

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8388.D Vial: 35
Acq On : 26 Feb 2003 17:25 Operator: JC
Sample : SB-X13-0/0-0,01398-003,S,10.24g,11.1,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 8:58 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



0297

303137

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8388.D Vial: 35
Acq On : 26 Feb 2003 17:25 Operator: JC
Sample : SB-X13-0/0-0,01398-003,S,10.24g,11.1,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 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

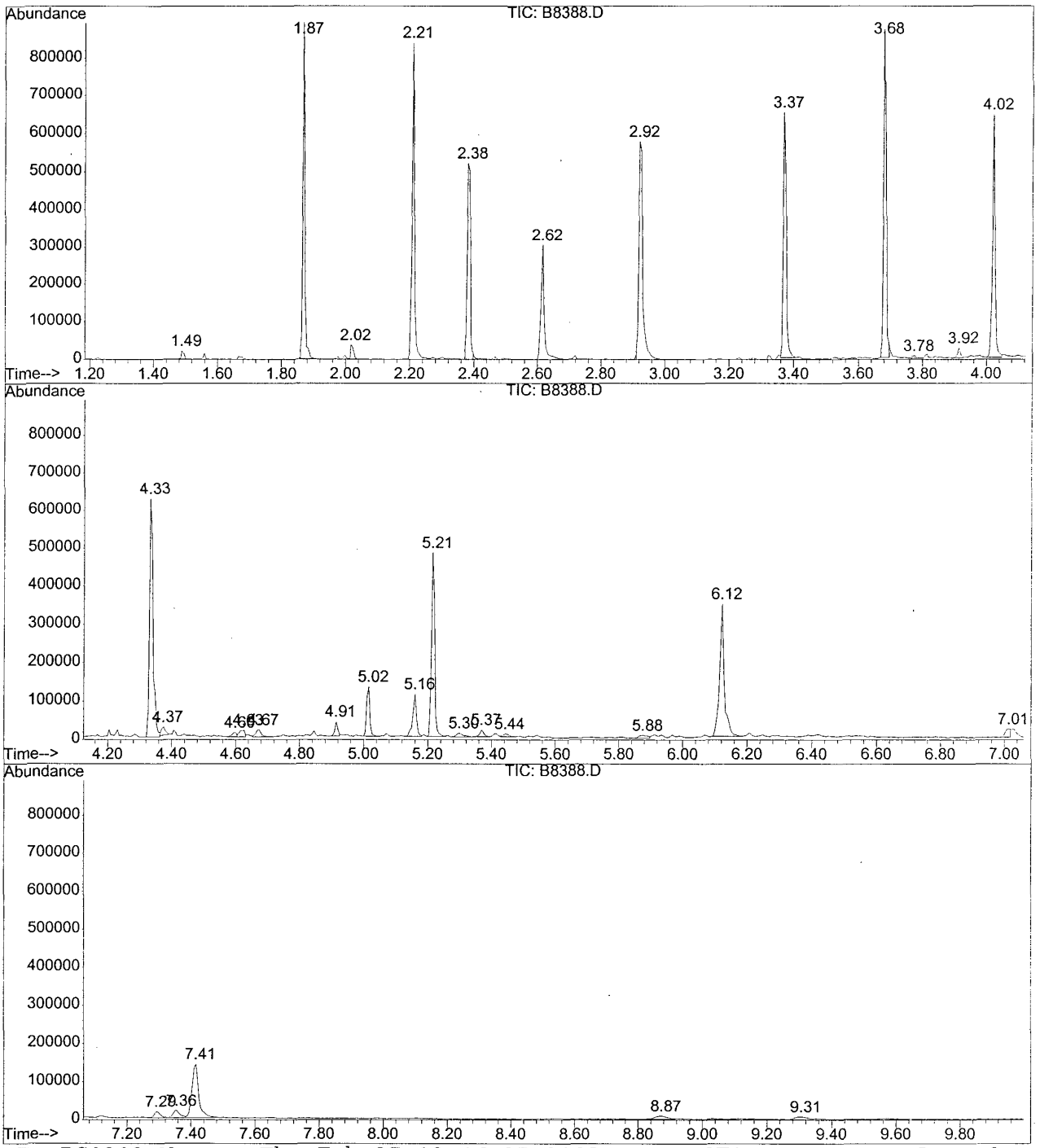
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.490	57	58	61	rVB2	22094	12167	2.43%	0.241%
2	1.869	127	129	137	rVB	891905	381050	76.03%	7.533%
3	2.019	155	157	162	rVB	37783	23650	4.72%	0.468%
4	2.211	190	193	203	rBV	840508	428473	85.50%	8.470%
5	2.382	222	225	228	rBV	522263	369787	73.79%	7.310%
6	2.617	265	269	284	rBV	305938	213700	42.64%	4.225%
7	2.921	324	326	349	rVB	578756	489972	97.77%	9.686%
8	3.370	408	410	417	rVB	650063	416042	83.02%	8.225%
9	3.680	466	468	471	rBV	870377	501161	100.00%	9.907%
10	3.776	482	486	491	rVB2	6885	8761	1.75%	0.173%
11	3.915	507	512	514	rBV	26751	17758	3.54%	0.351%
12	4.022	527	532	537	rBV	643914	362830	72.40%	7.173%
13	4.332	588	590	596	rBV2	624560	488036	97.38%	9.648%
14	4.375	596	598	601	rVB2	20252	17642	3.52%	0.349%
15	4.599	635	640	641	rBV2	11323	11407	2.28%	0.226%
16	4.626	641	645	646	rVV2	17565	20107	4.01%	0.397%
17	4.674	650	654	662	rVB2	18456	22490	4.49%	0.445%
18	4.914	696	699	701	rBV	38008	23581	4.71%	0.466%
19	5.016	715	718	724	rBV	129107	91458	18.25%	1.808%
20	5.160	740	745	749	rBV	110532	90038	17.97%	1.780%
21	5.213	752	755	763	rVV	480105	336045	67.05%	6.643%
22	5.299	766	771	778	rBV4	9966	15012	3.00%	0.297%
23	5.368	779	784	789	rBV	18400	17060	3.40%	0.337%
24	5.443	795	798	804	rVB4	7919	9525	1.90%	0.188%
25	5.876	874	879	883	rBV5	8075	15945	3.18%	0.315%
26	6.121	919	925	937	rBV	344910	350766	69.99%	6.934%
27	7.014	1087	1092	1093	rBV2	21873	26379	5.26%	0.521%
28	7.291	1140	1144	1150	rVB	16165	21223	4.23%	0.420%
29	7.356	1151	1156	1161	rBV	18448	27154	5.42%	0.537%
30	7.414	1161	1167	1181	rVB	140763	203921	40.69%	4.031%
31	8.873	1430	1440	1448	rBV3	8779	24793	4.95%	0.490%

32	9.305	1513	1521	1528	rBV4	7376	20569	4.10%	0.407%

Sum of corrected areas: 5058502

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-26-03\B8388.D
Operator : JC
Acquired : 26 Feb 2003 17:25 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-X13-0/0-0,01398-003,S,10.24g,11.1,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 35
Quant File :BS0303.RES (RTE Integrator)



0300

303140

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8388.D Vial: 35
Acq On : 26 Feb 2003 17:25 Operator: JC
Sample : SB-X13-0/0-0,01398-003,S,10.24g,11.1,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

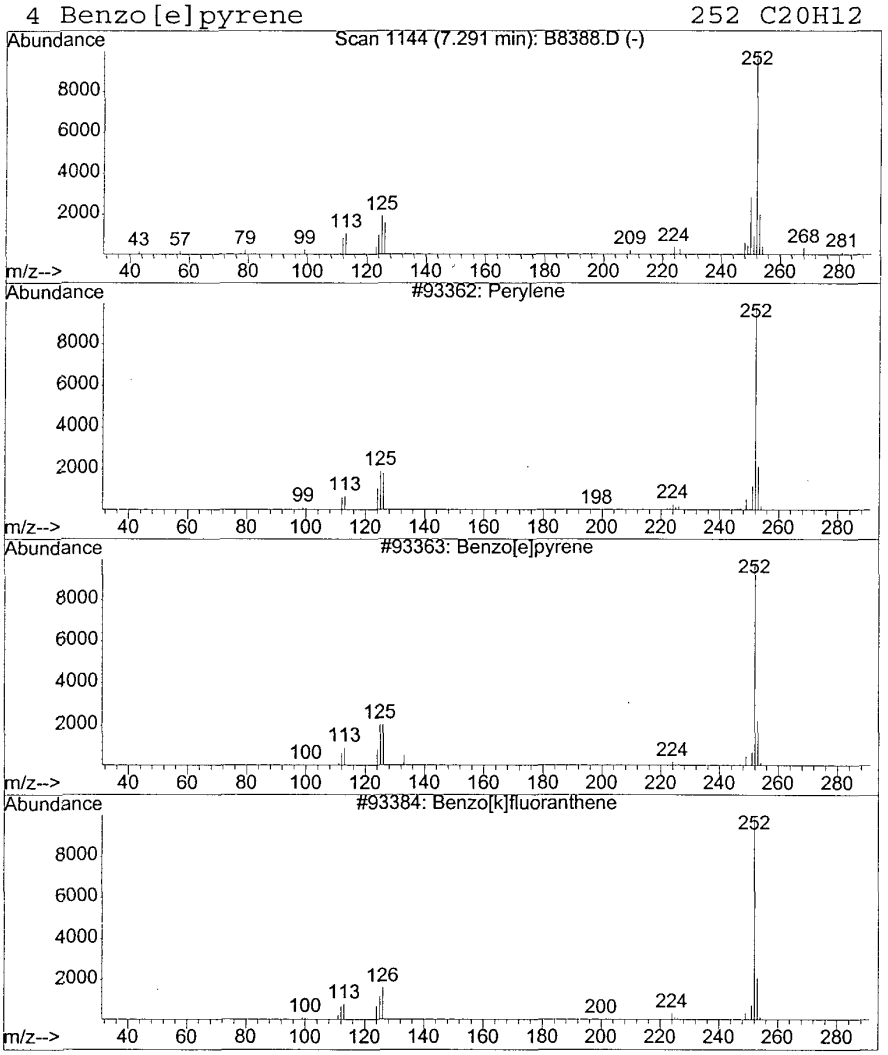
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

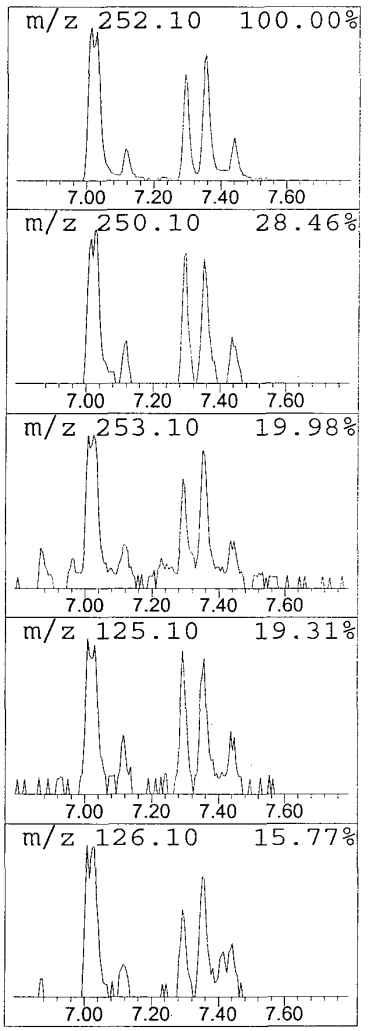
****

Peak Number 1 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	4.16 UG	21223	Perylene-d12	7.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91





0301

303141

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 09:30:12 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	2.38	152	65825	40.00	UG	-0.01
23) Naphthalene-d8	2.92	136	266107	40.00	UG	-0.02
43) Acenaphthene-d10	3.67	164	128859	40.00	UG	-0.02
66) Phenanthrene-d10	4.32	188	206961	40.00	UG	-0.02
82) Chrysene-d12	6.11	240	135547	40.00	UG	-0.03
92) Perylene-d12	7.39	264	86731	40.00	UG	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	1.86	112	11276	6.17	UG	-0.01
Spiked Amount 100.000	Range 36 - 108		Recovery = 6.17%#			
6) Phenol-d5	2.21	99	16340	7.03	UG	-0.02
Spiked Amount 100.000	Range 46 - 106		Recovery = 7.03%#			
24) Nitrobenzene-d5	2.61	82	7072	3.08	UG	-0.02
Spiked Amount 50.000	Range 32 - 111		Recovery = 6.16%#			
47) 2-Fluorobiphenyl	3.36	172	15214	4.12	UG	-0.02
Spiked Amount 50.000	Range 36 - 136		Recovery = 8.24%#			
70) 2,4,6-Tribromophenol	4.01	330	4575	8.49	UG	-0.02
Spiked Amount 100.000	Range 53 - 141		Recovery = 8.49%#			
84) Terphenyl-d14	5.20	244	14142	4.76	UG	-0.03
Spiked Amount 50.000	Range 42 - 134		Recovery = 9.52%#			

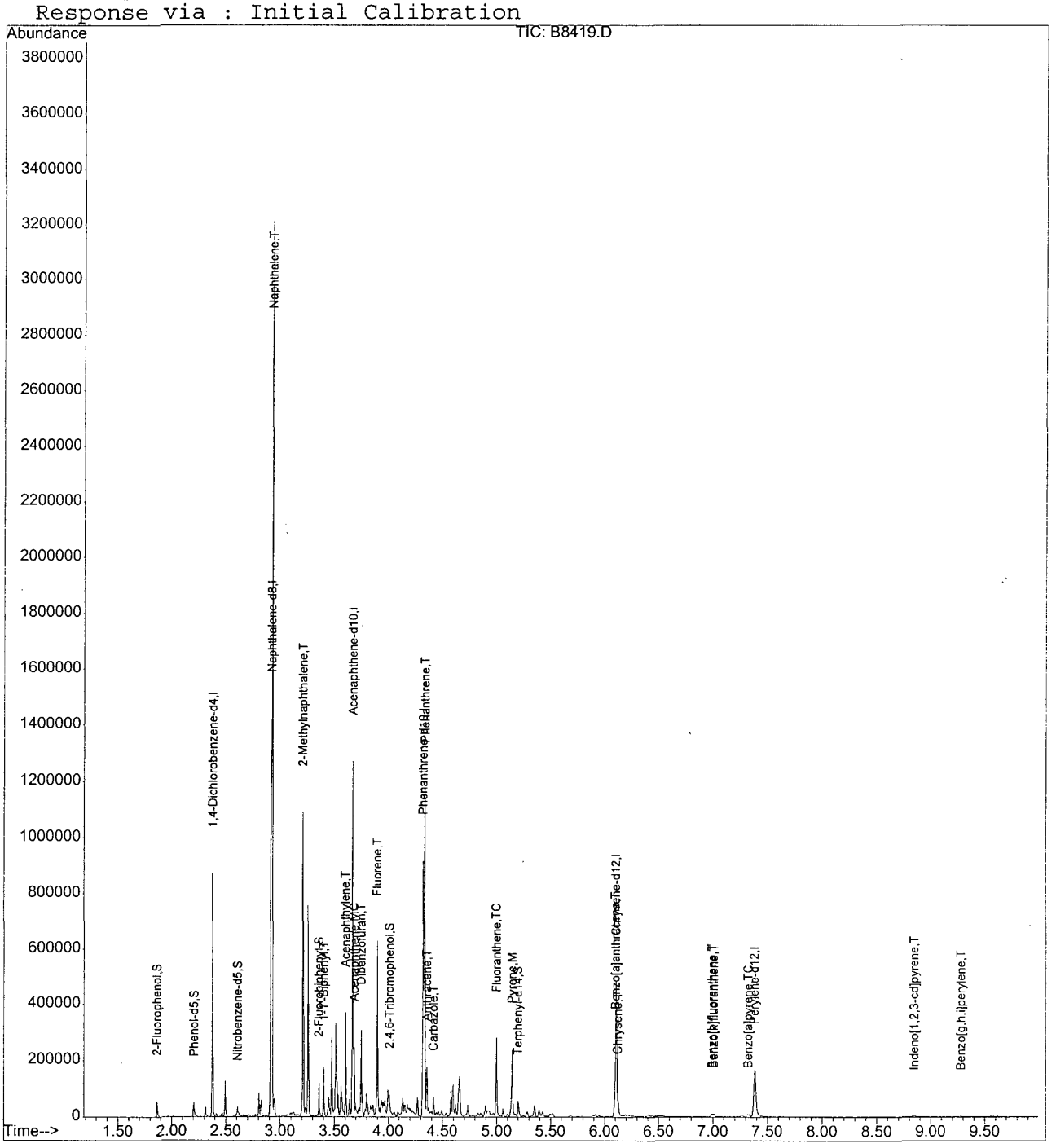
Target Compounds							Qvalue
34) Naphthalene	2.93	128	783921	145.74	UG	#	53
41) 2-Methylnaphthalene	3.21	142	181284	49.75	UG		100
48) 1-1'-Biphenyl	3.40	154	26317	6.97	UG		100
53) Acenaphthylene	3.61	152	55320	11.57	UG		97
55) Acenaphthene	3.69	153	37923	12.94	UG		96
59) Dibenzofuran	3.75	168	51048	12.10	UG		91
61) Fluorene	3.90	166	83980	25.57	UG		98
75) Phenanthrene	4.34	178	276204	68.02	UG		99
76) Anthracene	4.36	178	48022	12.05	UG		98
77) Carbazole	4.42	167	15863	4.45	UG	#	96
79) Fluoranthene	5.00	202	71610	19.12	UG		99
83) Pyrene	5.14	202	65930	17.75	UG		99
88) Benzo[a]anthracene	6.09	228	14989	5.45	UG	#	94
89) Chrysene	6.13	228	12937	5.03	UG	#	85
94) Benzo[b]fluoranthene	6.99	252	3266	1.27	UG	#	65
95) Benzo[k]fluoranthene	7.01	252	5827	2.29	UG	#	87
96) Benzo[a]pyrene	7.32	252	5964	2.63	UG	#	87
97) Indeno[1,2,3-cd]pyrene	8.85	276	2271	0.93	UG	#	72
99) Benzo[g,h,i]perylene	9.28	276	1995m	0.94	UG		

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 12:54 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



0303

303143

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3 Area counts
Start Thrs: 0.075 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

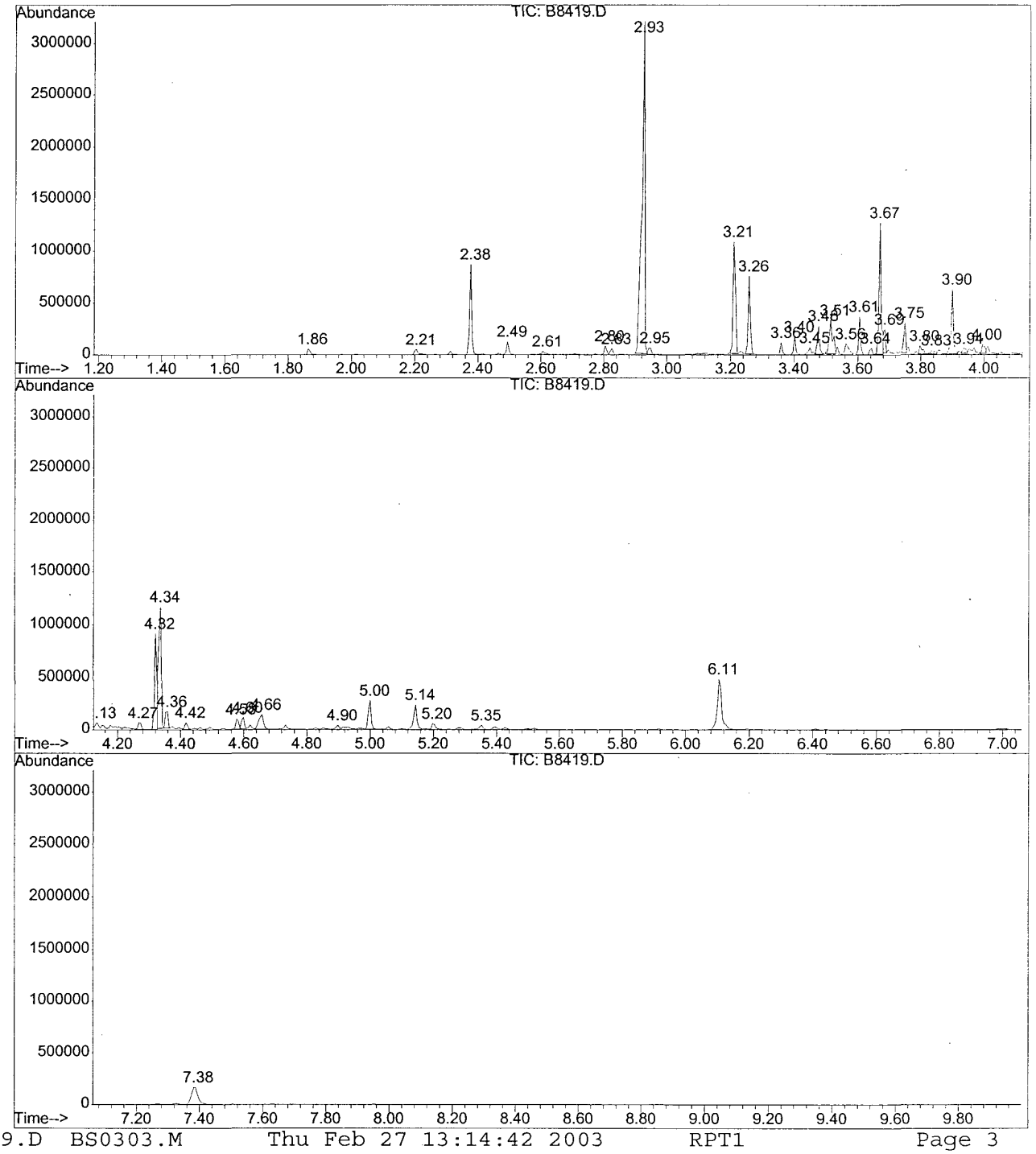
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.864	127	128	139	rVB	56901	35049	1.69%	0.400%
2	2.205	189	192	202	rBV	51266	44209	2.13%	0.505%
3	2.376	221	224	227	rBV	872024	394228	18.99%	4.503%
4	2.494	243	246	253	rVB	128875	68229	3.29%	0.779%
5	2.606	263	267	272	rBV4	34440	31426	1.51%	0.359%
6	2.804	300	304	306	rBV2	86676	47317	2.28%	0.540%
7	2.825	306	308	311	rVB	60109	36106	1.74%	0.412%
8	2.927	322	327	329	rBV2	3201416	2076001	100.00%	23.713%
9	2.948	329	331	334	rVB	62992	43296	2.09%	0.495%
10	3.210	378	380	383	rVB	1078021	574705	27.68%	6.565%
11	3.258	387	389	392	rVB	746341	344872	16.61%	3.939%
12	3.359	406	408	412	rVB	118337	53822	2.59%	0.615%
13	3.402	414	416	420	rVB	175017	77407	3.73%	0.884%
14	3.450	420	425	428	rBV	68457	55942	2.69%	0.639%
15	3.477	428	430	433	rBV	274323	137893	6.64%	1.575%
16	3.514	434	437	440	rVV	324833	246158	11.86%	2.812%
17	3.562	443	446	450	rBV2	104668	93822	4.52%	1.072%
18	3.605	452	454	457	rVB	368586	154910	7.46%	1.769%
19	3.642	459	461	463	rBV	62028	36740	1.77%	0.420%
20	3.669	463	466	468	rBV	1264196	629683	30.33%	7.193%
21	3.685	468	469	470	rVB	227429	73069	3.52%	0.835%
22	3.749	479	481	482	rBV	290576	134555	6.48%	1.537%
23	3.797	489	490	494	rVB	80176	54182	2.61%	0.619%
24	3.835	494	497	500	rBV2	36446	36525	1.76%	0.417%
25	3.899	504	509	512	rBV	623316	296033	14.26%	3.381%
26	3.936	514	516	518	rBV2	47894	42494	2.05%	0.485%
27	3.995	525	527	529	rBV2	86849	64737	3.12%	0.739%
28	4.134	548	553	555	rBV	62072	51466	2.48%	0.588%
29	4.268	576	578	581	rVB	64993	47123	2.27%	0.538%
30	4.321	585	588	589	rBV	915023	516040	24.86%	5.895%
31	4.337	589	591	593	rVV	1156854	650254	31.32%	7.428%

32	4.358	593	595	597	rVB	157449	103233	4.97%	1.179%
33	4.417	604	606	609	rVB	65272	38956	1.88%	0.445%
34	4.577	633	636	638	rBV	97703	63553	3.06%	0.726%
35	4.599	638	640	642	rVB	107219	65053	3.13%	0.743%
36	4.658	647	651	657	rVB2	143849	150456	7.25%	1.719%
37	4.898	692	696	698	rBV2	42603	36620	1.76%	0.418%
38	4.999	712	715	721	rVB	278468	173326	8.35%	1.980%
39	5.144	737	742	746	rBV	239157	174597	8.41%	1.994%
40	5.197	750	752	759	rVB2	55928	46790	2.25%	0.534%
41	5.352	774	781	785	rVB2	42774	38155	1.84%	0.436%
42	6.105	916	922	935	rBV	484501	475318	22.90%	5.429%
43	7.382	1156	1161	1176	rVB	165306	240177	11.57%	2.743%

Sum of corrected areas: 8754527

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D
Operator : JC
Acquired : 27 Feb 2003 9:20 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10
Vial Number: 36
Quant File :BS0303.RES (RTE Integrator)



0306

303146

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

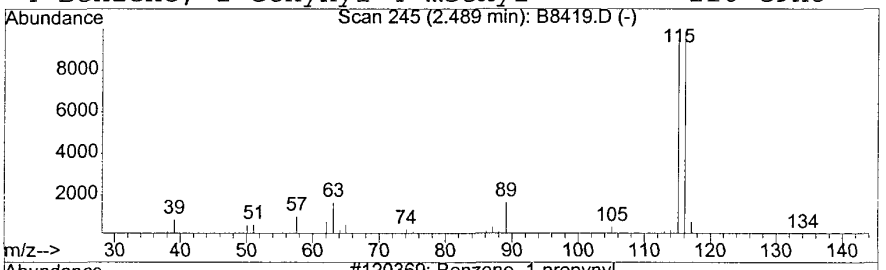
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

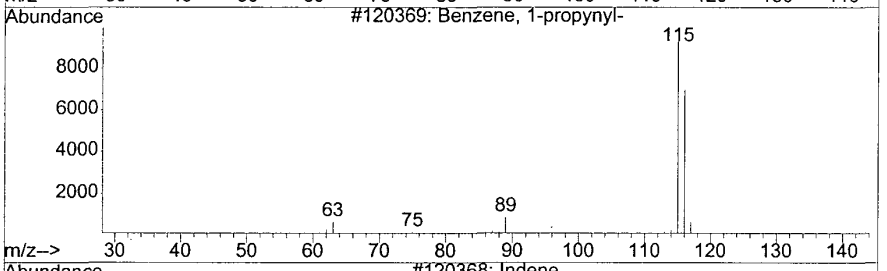
****

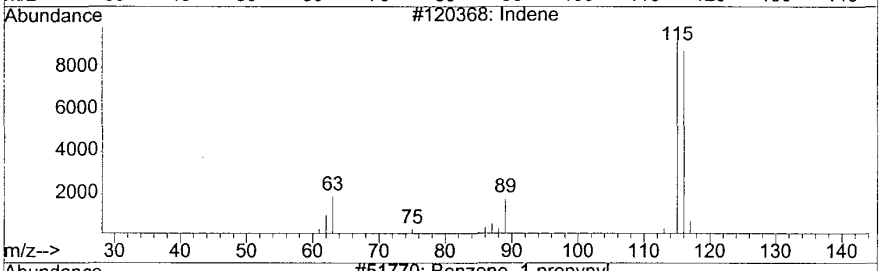
Peak Number 1 Substituted benzene Concentration Rank 4

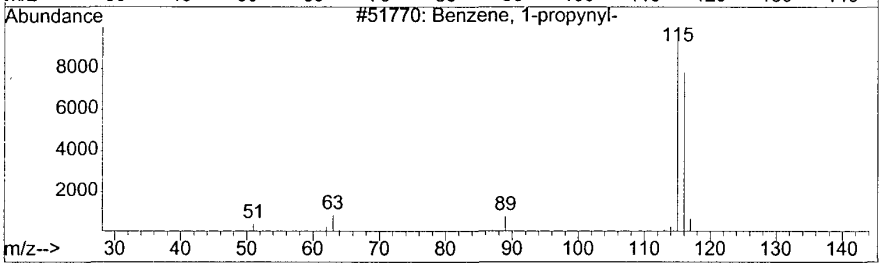
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.49	6.92 UG	68229	1,4-Dichlorobenzene-d4	2.38

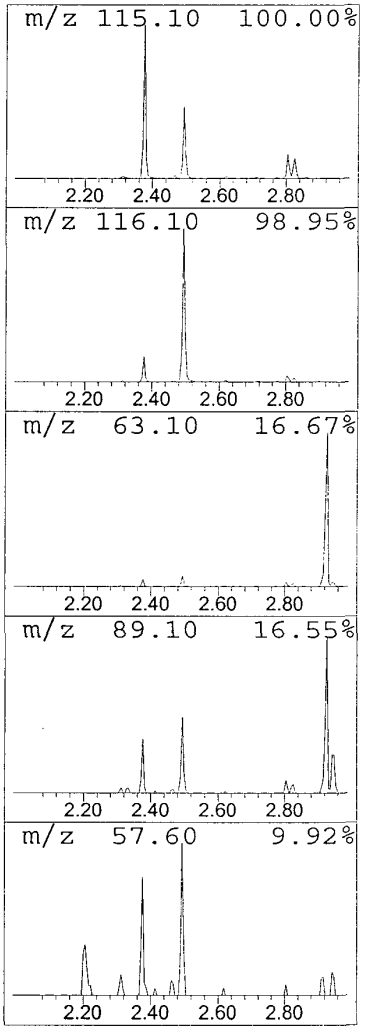
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91











0307

303147

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

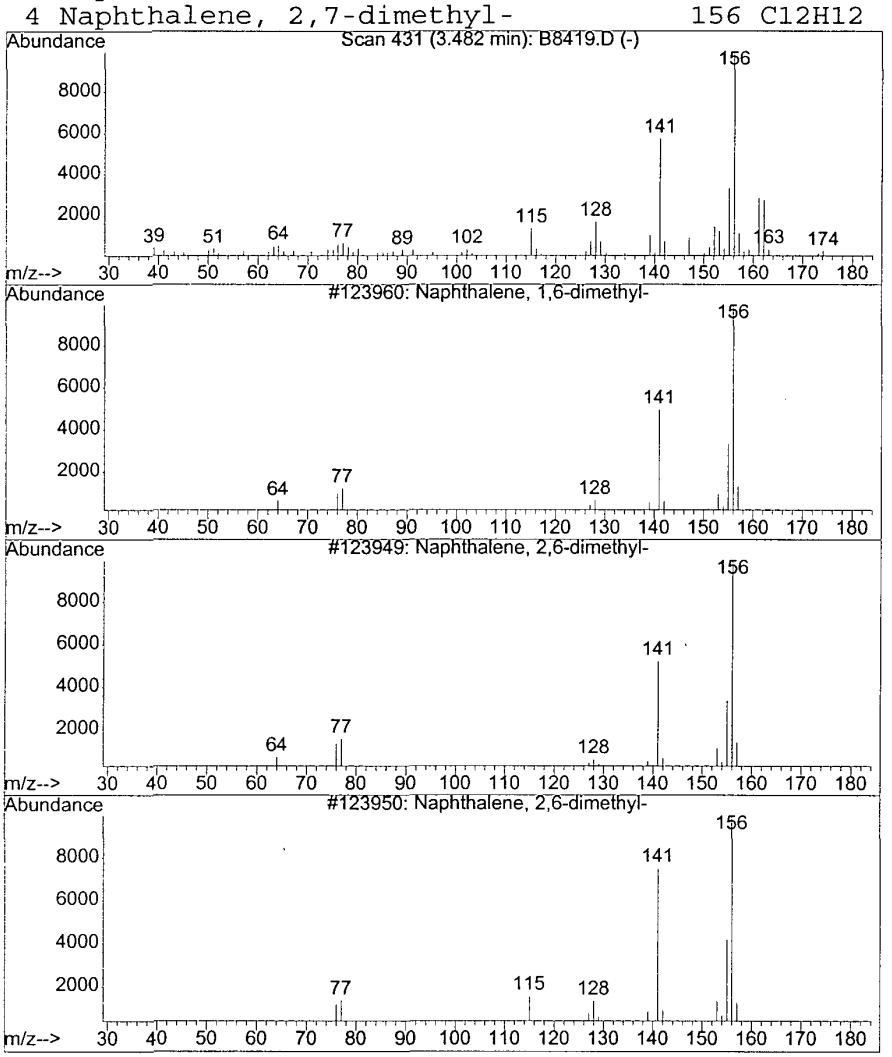
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

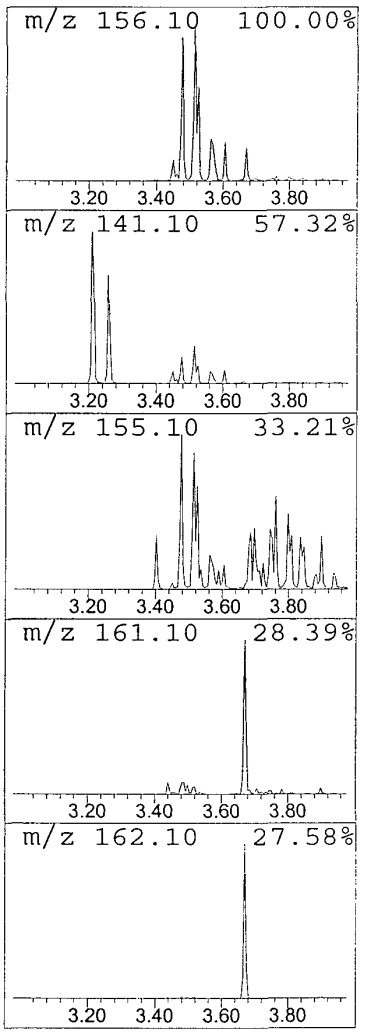
****

Peak Number 2 Substituted naphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	8.76 UG	137893	Acenaphthene-d10	3.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





0308

303148

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

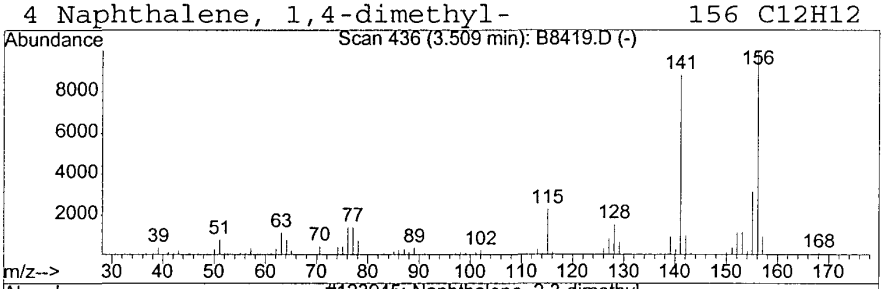
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

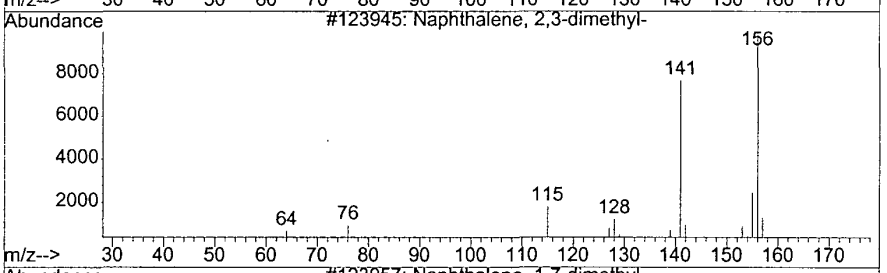
****

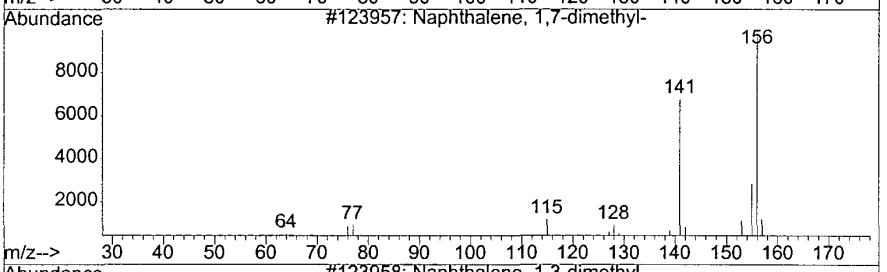
Peak Number 3 Substituted naphthalene Concentration Rank 1

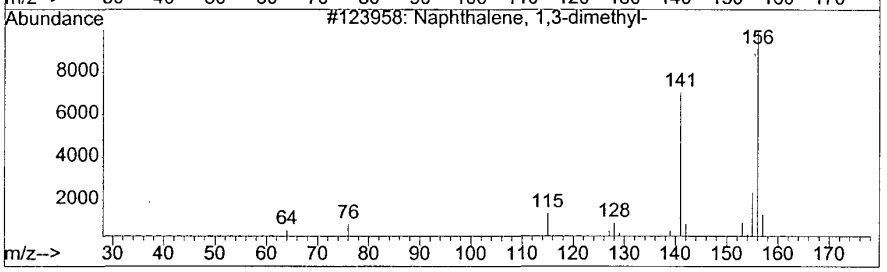
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	15.64 UG	246158	Acenaphthene-d10	3.67

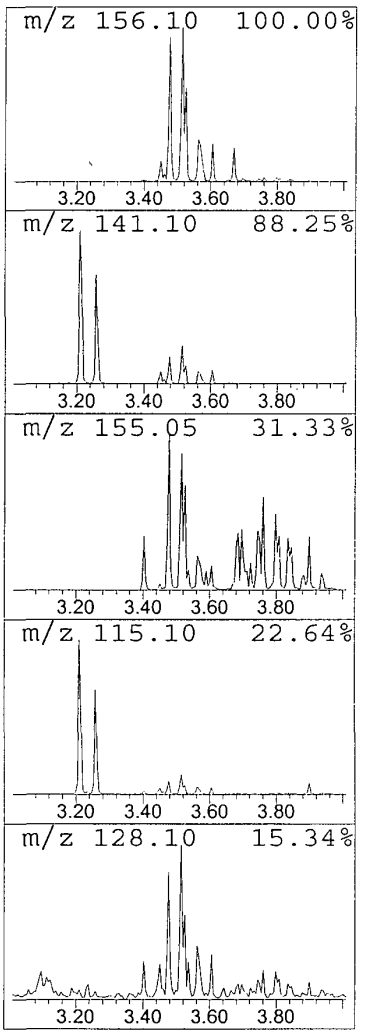
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96











0309

303149

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

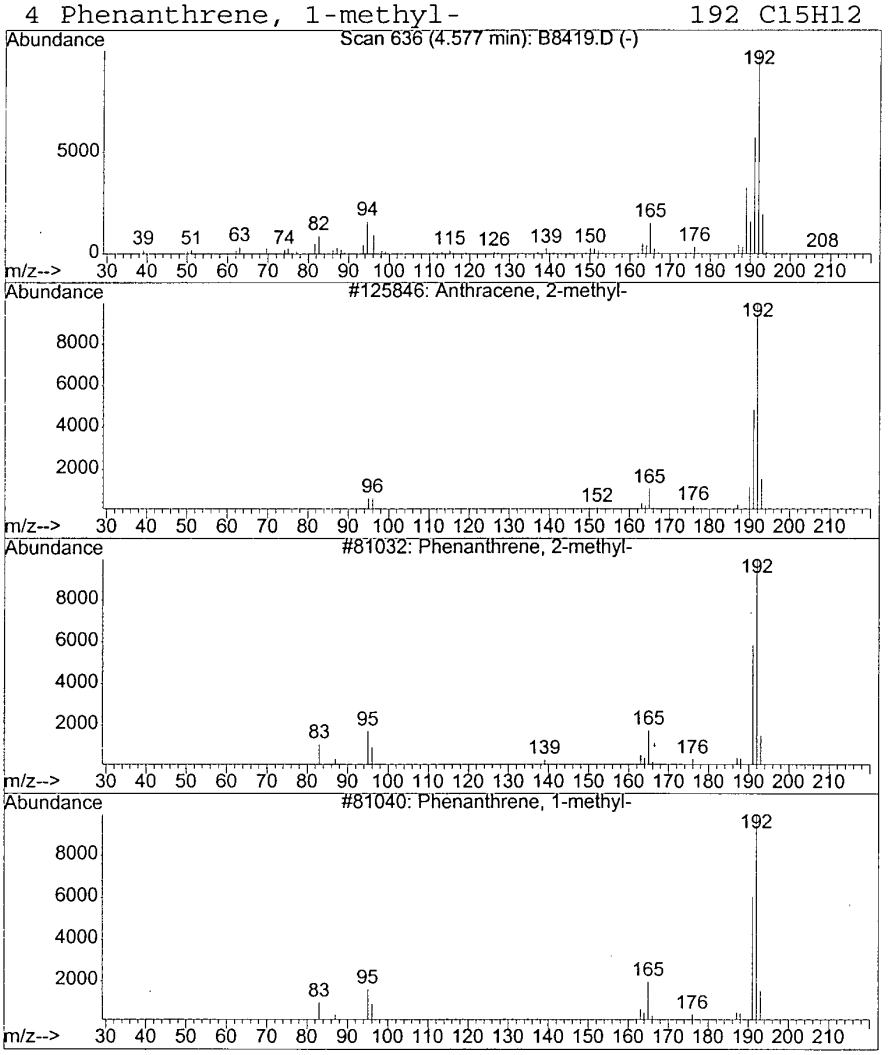
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

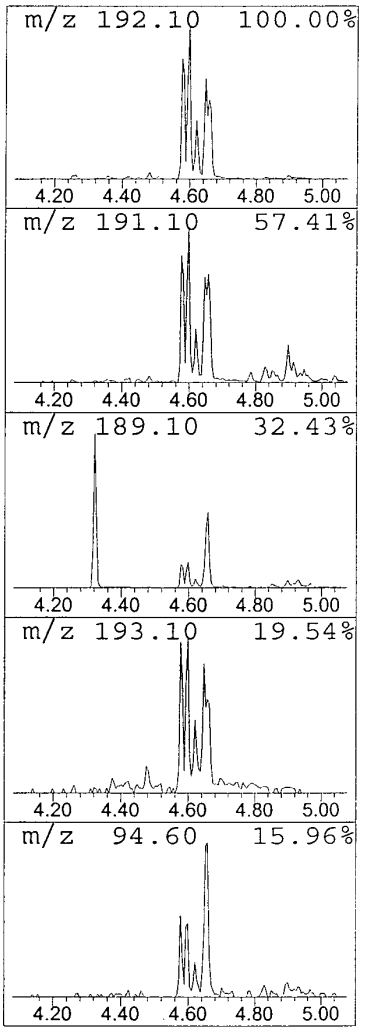
****

Peak Number 4 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	4.93 UG	63553	Phenanthrene-d10	4.32

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





0310

303150

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

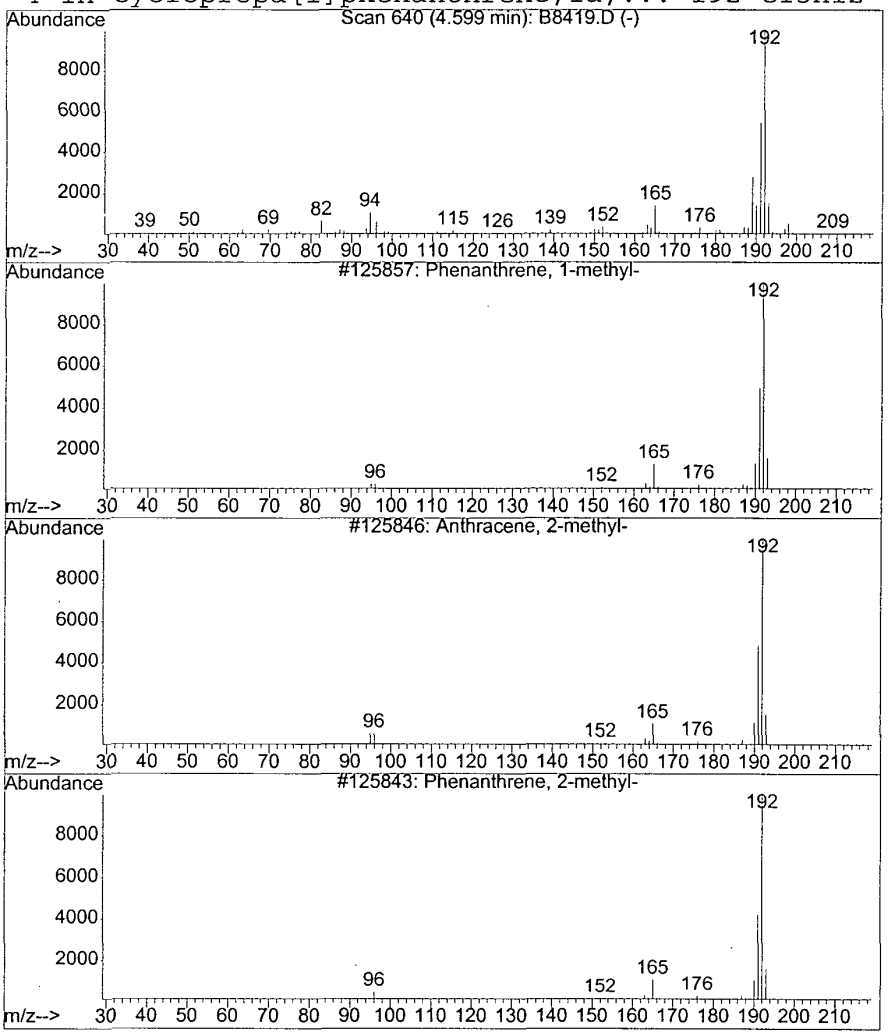
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

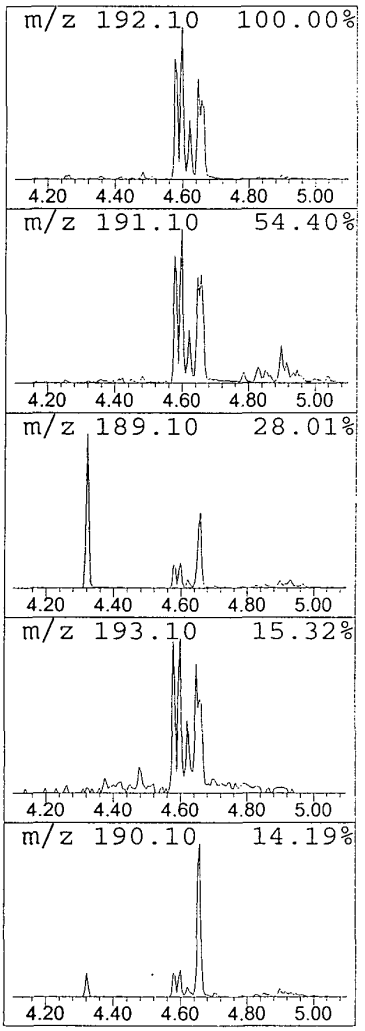
****

Peak Number 5 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.60	5.04 UG	65053	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





0311

303151

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8419.D Vial: 36
Acq On : 27 Feb 2003 9:20 Operator: JC
Sample : SB-X13-8/8-8.,01398-004,S,1.76g,15.4,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
MS Integration Params: LSCINT.P

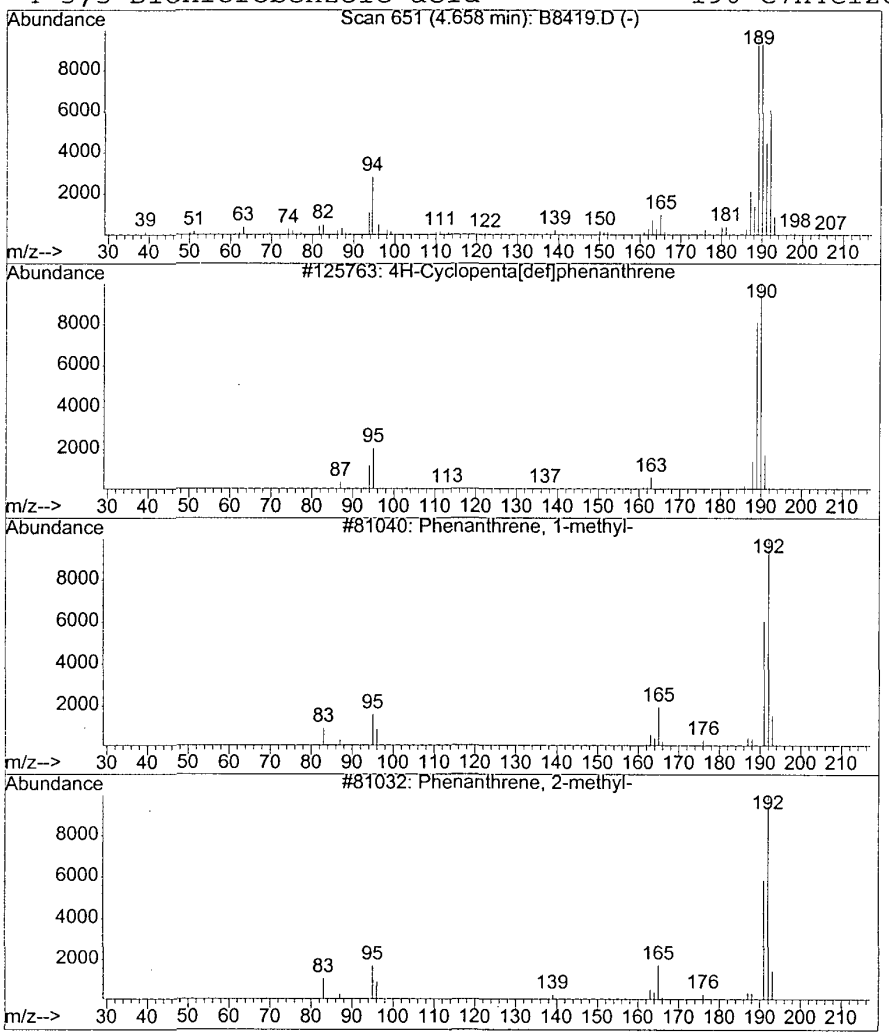
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

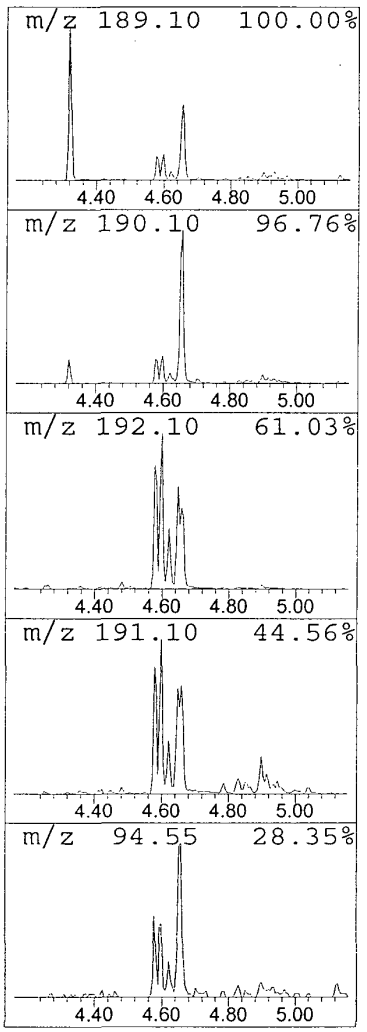
****

Peak Number 6 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	11.66 UG	150456	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





0312

303152

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8390.D Vial: 37
Acq On : 26 Feb 2003 17:56 Operator: JC
Sample : SB-X13-23.5/,01398-005,S,10.35g,17.5,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 18:06:29 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	62052	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	221509	40.00	UG	0.00
43) Acenaphthene-d10	3.68	164	115693	40.00	UG	-0.01
66) Phenanthrene-d10	4.33	188	176713	40.00	UG	-0.01
82) Chrysene-d12	6.12	240	102461	40.00	UG	-0.02
92) Perylene-d12	7.41	264	76163	40.00	UG	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	1.87	112	107130	62.15	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 62.15%			
6) Phenol-d5	2.21	99	156797	71.52	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 71.52%			
24) Nitrobenzene-d5	2.62	82	69852	36.58	UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 73.16%			
47) 2-Fluorobiphenyl	3.37	172	132669	40.00	UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 80.00%			
70) 2,4,6-Tribromophenol	4.02	330	45220	98.24	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 98.24%			
84) Terphenyl-d14	5.21	244	122289	54.50	UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 109.00%			

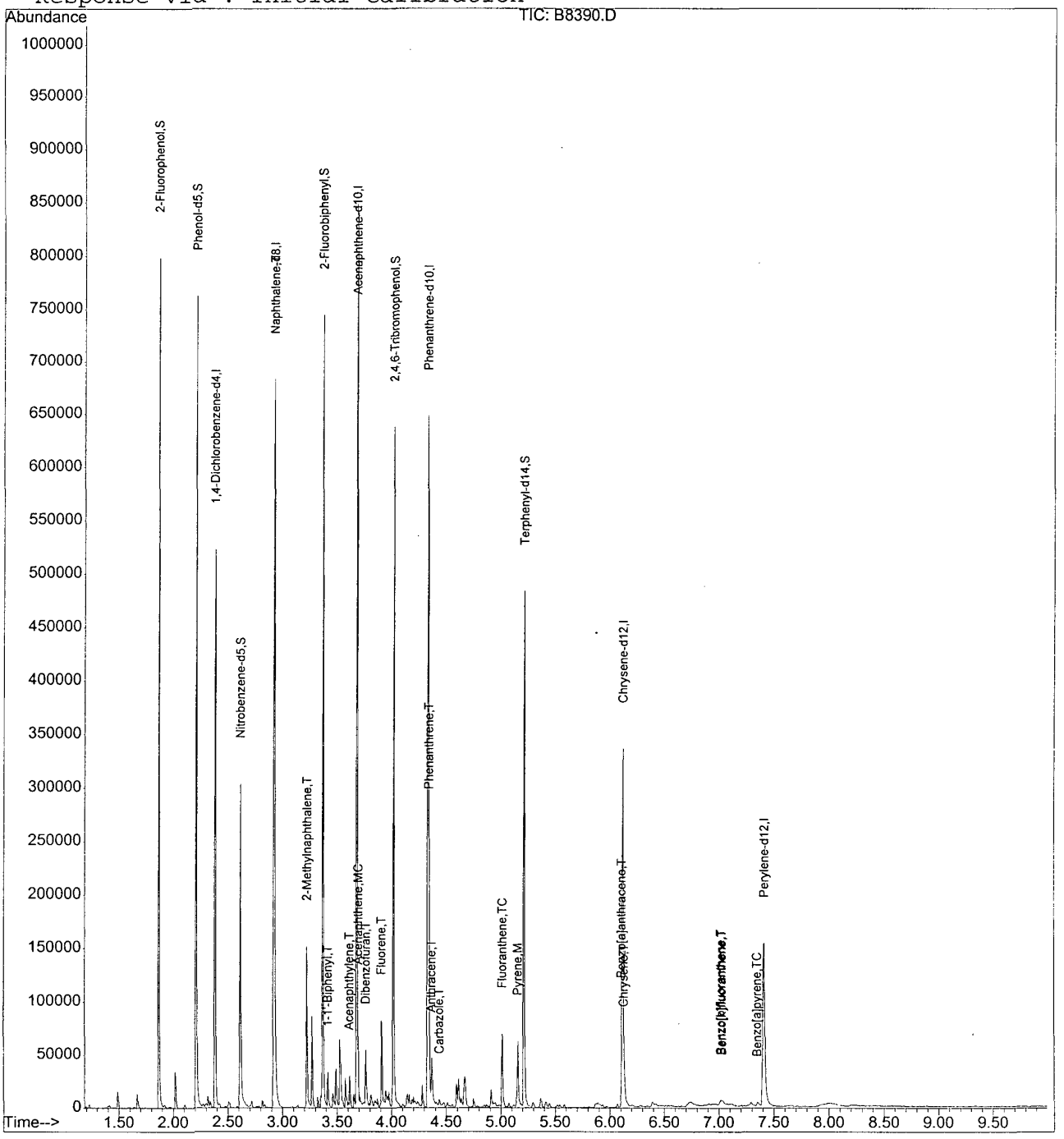
Target Compounds							Qvalue
34) Naphthalene	2.93	128	54606	12.20	UG	#	52
41) 2-Methylnaphthalene	3.23	142	26644	8.78	UG		99
48) 1-1'-Biphenyl	3.42	154	7638	2.25	UG		99
53) Acenaphthylene	3.62	152	6301	1.47	UG	#	94
55) Acenaphthene	3.70	153	9229	3.51	UG		97
59) Dibenzofuran	3.77	168	12188	3.22	UG	#	86
61) Fluorene	3.92	166	17342	5.88	UG		97
75) Phenanthrene	4.35	178	62806	18.11	UG		100
76) Anthracene	4.37	178	15027	4.42	UG		96
77) Carbazole	4.44	167	2630	0.86	UG	#	89
79) Fluoranthene	5.02	202	21739	6.80	UG		97
83) Pyrene	5.16	202	18487	6.58	UG		95
88) Benzo[a]anthracene	6.11	228	5064	2.44	UG		97
89) Chrysene	6.14	228	4083m	2.10	UG		
94) Benzo[b]fluoranthene	7.01	252	1540	0.68	UG	#	33
95) Benzo[k]fluoranthene	7.03	252	2085	0.93	UG	#	67
96) Benzo[a]pyrene	7.35	252	2164	1.09	UG	#	81

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8390.D Vial: 37
Acq On : 26 Feb 2003 17:56 Operator: JC
Sample : SB-X13-23.5/,01398-005,S,10.35g,17.5,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:00 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



0314

303154

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8390.D Vial: 37
Acq On : 26 Feb 2003 17:56 Operator: JC
Sample : SB-X13-23.5/,01398-005,S,10.35g,17.5,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3 Area counts
Start Thrs: 0.075 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

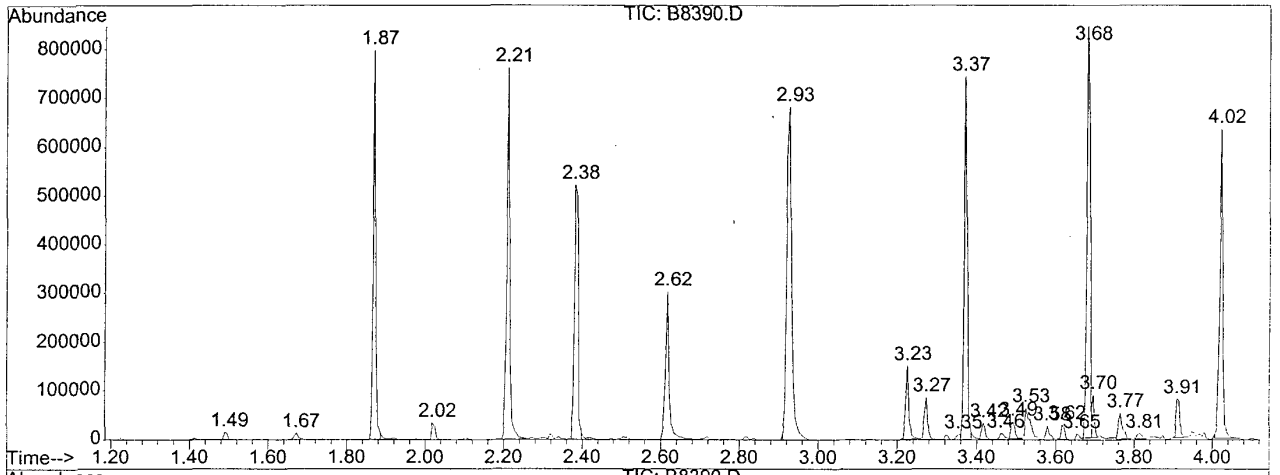
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.490	56	58	61	rVB	15593	10169	1.71%	0.189%
2	1.671	90	92	99	rBV	13448	9578	1.61%	0.178%
3	1.869	127	129	132	rBV	797759	348920	58.57%	6.472%
4	2.019	155	157	162	rVB	34397	22168	3.72%	0.411%
5	2.211	190	193	202	rBV	762502	394671	66.25%	7.321%
6	2.382	222	225	228	rBV	522534	369476	62.02%	6.854%
7	2.617	265	269	279	rBV	303280	198124	33.26%	3.675%
8	2.927	324	327	341	rVB2	683089	595765	100.00%	11.051%
9	3.226	380	383	389	rVV	150035	84302	14.15%	1.564%
10	3.274	389	392	399	rVB	86106	51061	8.57%	0.947%
11	3.354	405	407	408	rBV	11401	9068	1.52%	0.168%
12	3.370	408	410	413	rVV	744494	395232	66.34%	7.332%
13	3.418	417	419	424	rVB	33256	21000	3.52%	0.390%
14	3.461	424	427	431	rBV	12915	12119	2.03%	0.225%
15	3.493	431	433	437	rVV	35046	25086	4.21%	0.465%
16	3.525	437	439	447	rVB	64551	61456	10.32%	1.140%
17	3.578	447	449	452	rBV	27965	18462	3.10%	0.342%
18	3.616	454	456	459	rVB	29469	18058	3.03%	0.335%
19	3.653	461	463	466	rBV	12674	9335	1.57%	0.173%
20	3.680	466	468	470	rBV	843728	508277	85.32%	9.429%
21	3.696	470	471	473	rVB	86317	31031	5.21%	0.576%
22	3.765	482	484	489	rVB	53156	39740	6.67%	0.737%
23	3.814	491	493	497	rVB2	11054	9484	1.59%	0.176%
24	3.910	509	511	514	rBV	77924	53278	8.94%	0.988%
25	4.022	529	532	540	rVB	634893	341009	57.24%	6.326%
26	4.150	550	556	557	rBV2	12701	12448	2.09%	0.231%
27	4.284	579	581	588	rVB	20966	10725	1.80%	0.199%
28	4.332	588	590	595	rBV2	647873	588664	98.81%	10.920%
29	4.369	595	597	603	rVB	43613	36338	6.10%	0.674%
30	4.593	635	639	641	rBV	22530	17163	2.88%	0.318%
31	4.615	641	643	646	rVV	27676	21418	3.60%	0.397%

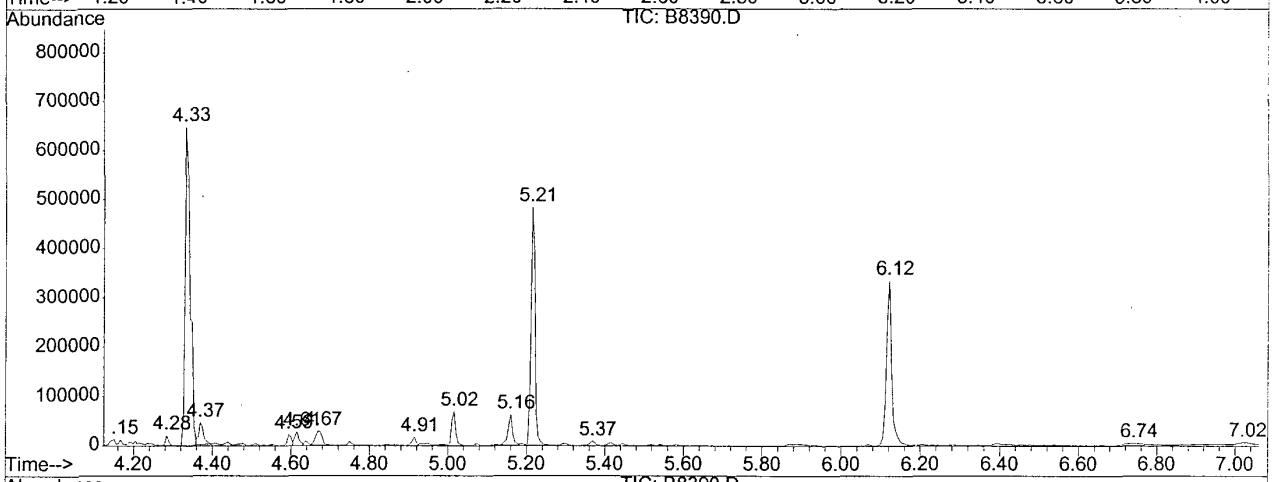
32	4.668	650	653	660	rVB2	28929	35499	5.96%	0.659%
33	4.914	695	699	701	rBV2	17009	13176	2.21%	0.244%
34	5.016	715	718	723	rVB	69178	50337	8.45%	0.934%
35	5.160	740	745	749	rBV	62195	49610	8.33%	0.920%
36	5.213	752	755	767	rVB	483475	351265	58.96%	6.516%
37	5.368	778	784	789	rBV	9123	9391	1.58%	0.174%
38	6.121	919	925	937	rBV	335730	313663	52.65%	5.818%
39	6.741	1032	1041	1046	rBV6	4547	14261	2.39%	0.265%
40	7.019	1088	1093	1102	rBV5	4475	10388	1.74%	0.193%
41	7.414	1161	1167	1179	rBV	152718	219597	36.86%	4.074%

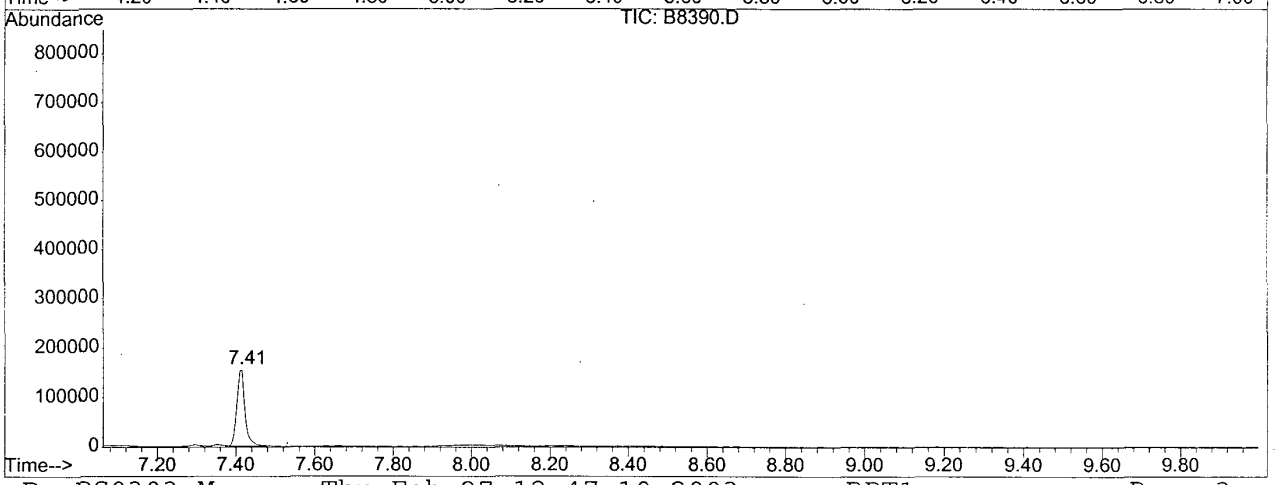
Sum of corrected areas: 5390812

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-26-03\B8390.D
Operator : JC
Acquired : 26 Feb 2003 17:56 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-X13-23.5/,01398-005,S,10.35g,17.5,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 37
Quant File :BS0303.RES (RTE Integrator)







0317

303157

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8390.D Vial: 37
Acq On : 26 Feb 2003 17:56 Operator: JC
Sample : SB-X13-23.5/,01398-005,S,10.35g,17.5,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

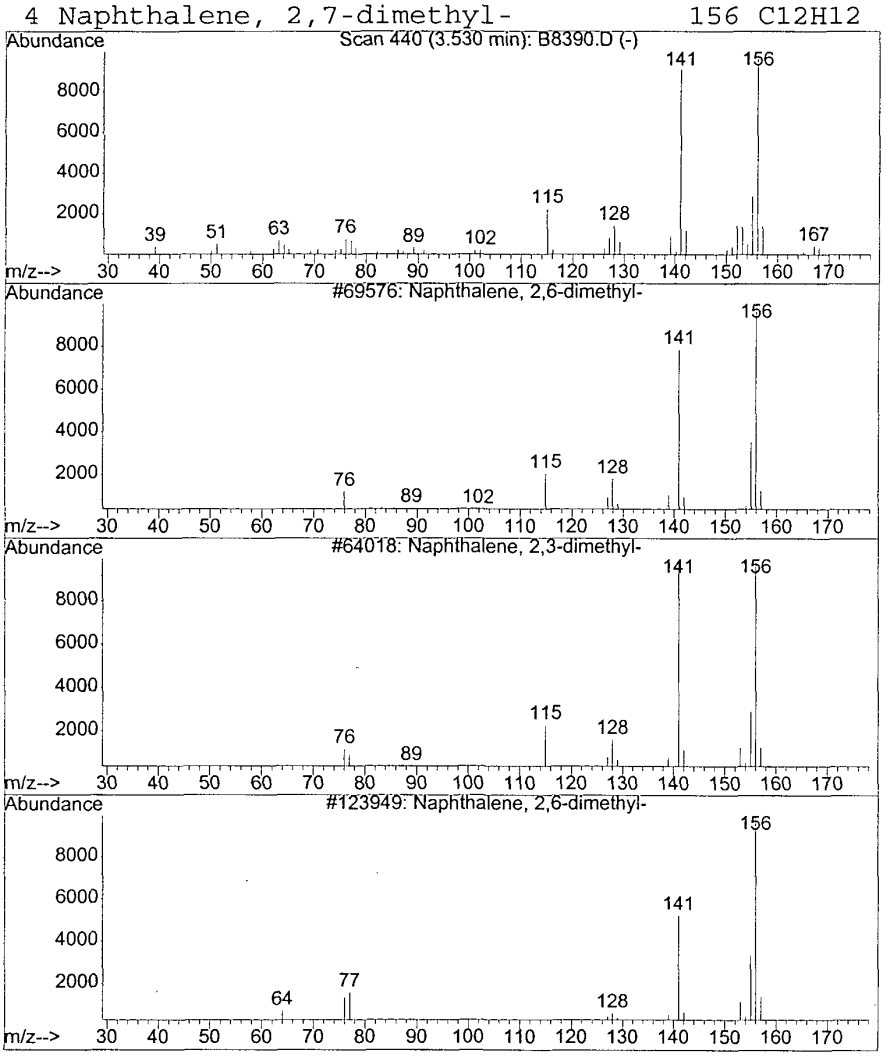
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

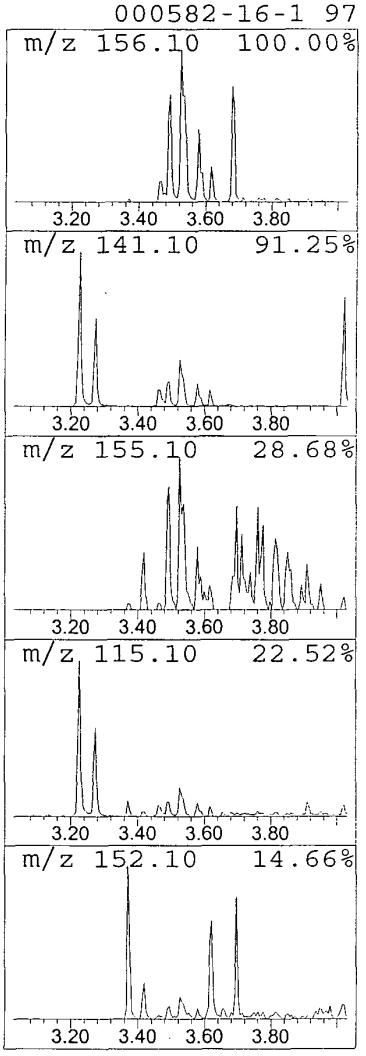
****

Peak Number 1 Substituted naphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	4.84 UG	61456	Acenaphthene-d10	3.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 18:21:56 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	68148	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	261298	40.00 UG	0.00
43) Acenaphthene-d10	3.68	164	123247	40.00 UG	-0.01
66) Phenanthrene-d10	4.34	188	181962	40.00 UG	0.00
82) Chrysene-d12	6.12	240	95778	40.00 UG	-0.02
92) Perylene-d12	7.41	264	78142	40.00 UG	-0.02

System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	118146	62.41 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 62.41%		
6) Phenol-d5	2.21	99	171111	71.07 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 71.07%		
24) Nitrobenzene-d5	2.62	82	79828	35.44 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 70.88%		
47) 2-Fluorobiphenyl	3.37	172	144568	40.92 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 81.84%		
70) 2,4,6-Tribromophenol	4.02	330	45546	96.10 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 96.10%		
84) Terphenyl-d14	5.21	244	113621	54.17 UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 108.34%		

Target Compounds						Qvalue
34) Naphthalene	2.93	128	42381	8.02 UG	#	52
41) 2-Methylnaphthalene	3.23	142	19361	5.41 UG		94
48) 1-1'-Biphenyl	3.42	154	4456	1.23 UG		99
53) Acenaphthylene	3.62	152	4076	0.89 UG		94
55) Acenaphthene	3.70	153	15781	5.63 UG		95
59) Dibenzofuran	3.77	168	14324	3.55 UG		88
61) Fluorene	3.92	166	19839	6.31 UG		98
75) Phenanthrene	4.35	178	125442	35.13 UG		99
76) Anthracene	4.37	178	26729m	7.63 UG		
77) Carbazole	4.43	167	10088	3.22 UG	#	90
78) Di-n-butylphthalate	4.59	149	7063	1.77 UG	#	85
79) Fluoranthene	5.02	202	107424	32.62 UG		99
83) Pyrene	5.16	202	89661	34.16 UG		96
86) Butylbenzylphthalate	5.53	149	10306	8.11 UG		92
88) Benzo[a]anthracene	6.11	228	36483	18.77 UG	#	91
89) Chrysene	6.14	228	36574	20.13 UG	#	93
90) bis(2-Ethylhexyl)phthalate	6.07	149	13146	7.75 UG		98
94) Benzo[b]fluoranthene	7.01	252	34913	15.12 UG	#	80
95) Benzo[k]fluoranthene	7.02	252	23615	10.29 UG	#	78
96) Benzo[a]pyrene	7.36	252	29624	14.52 UG		94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 18:21:56 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

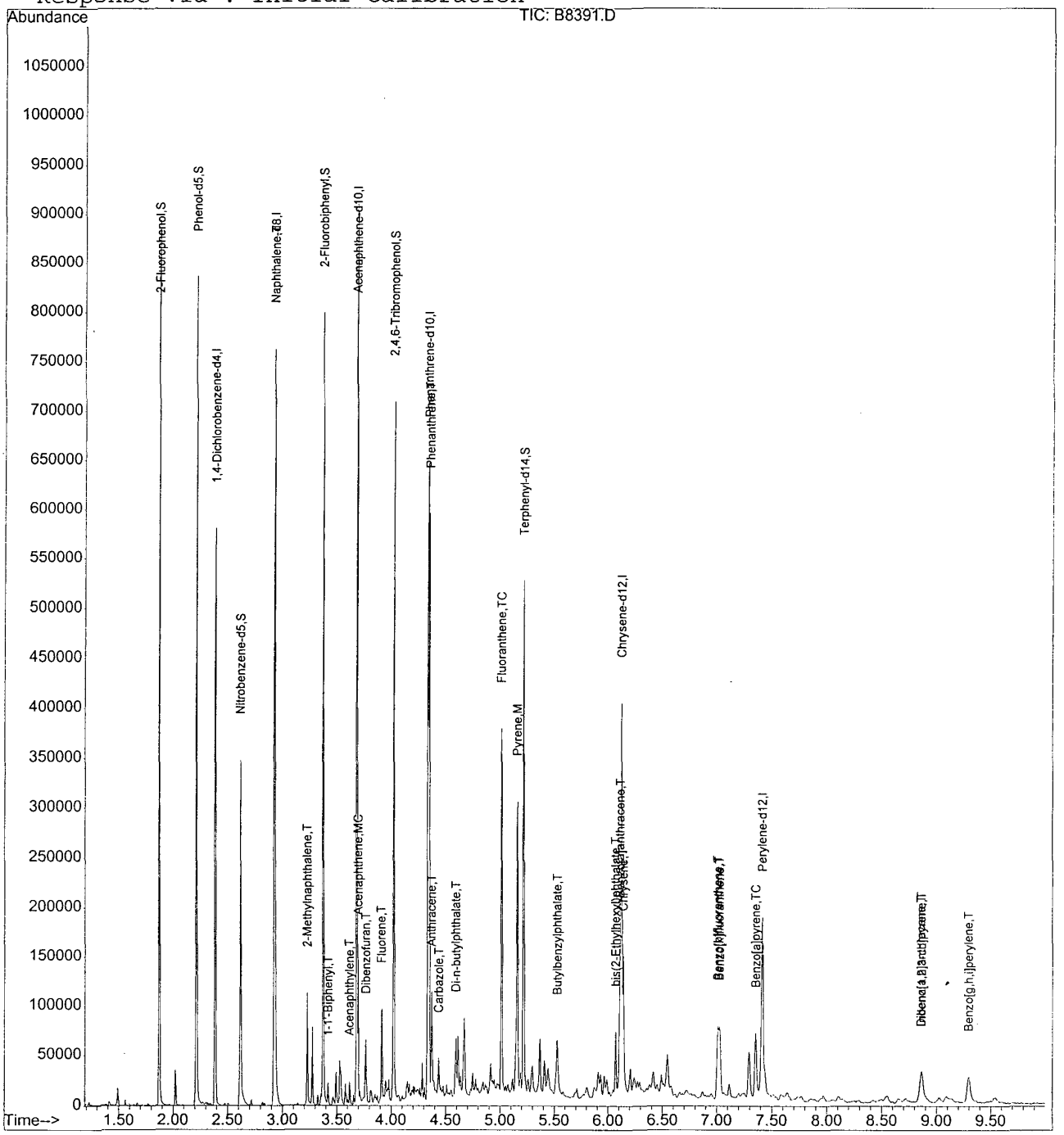
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
97)	Indeno[1,2,3-cd]pyrene	8.86	276	23990	10.87 UG	97
98)	Dibenz[a,h]anthracene	8.85	278	7276m	4.31 UG	
99)	Benzo[g,h,i]perylene	9.29	276	25283m	13.25 UG	

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:01 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



0321

303161

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3 Area counts
Start Thrs: 0.075 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

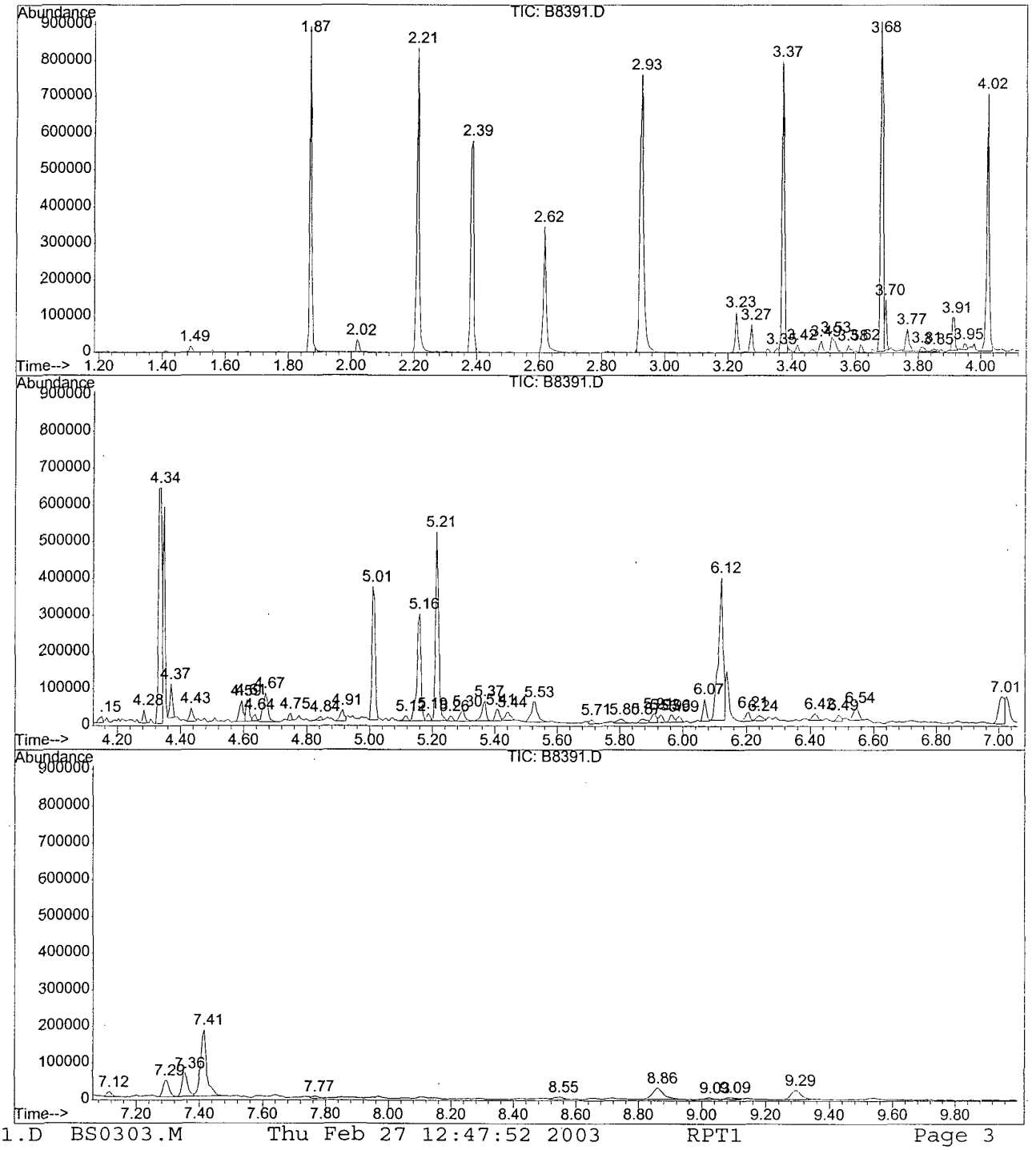
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.490	54	58	61	rBV	17256	10917	1.79%	0.151%
2	1.869	127	129	132	rBV	893596	383596	62.82%	5.297%
3	2.019	155	157	162	rVB	35167	21027	3.44%	0.290%
4	2.211	190	193	203	rBV	836212	434140	71.09%	5.995%
5	2.387	223	226	228	rBV	580325	405683	66.43%	5.602%
6	2.617	265	269	284	rBV	347692	225036	36.85%	3.107%
7	2.927	324	327	339	rVB2	762048	610668	100.00%	8.432%
8	3.226	380	383	389	rVV	111555	60981	9.99%	0.842%
9	3.274	389	392	400	rVB	78416	43191	7.07%	0.596%
10	3.354	404	407	408	rBV	12085	8845	1.45%	0.122%
11	3.370	408	410	413	rVV	798473	431586	70.67%	5.960%
12	3.418	417	419	425	rVB	22721	13759	2.25%	0.190%
13	3.493	431	433	436	rBV	31783	21597	3.54%	0.298%
14	3.525	437	439	447	rVB	43498	46637	7.64%	0.644%
15	3.578	447	449	452	rBV	20913	15005	2.46%	0.207%
16	3.616	455	456	459	rBV2	21828	12782	2.09%	0.176%
17	3.680	466	468	470	rBV	904990	544246	89.12%	7.515%
18	3.696	470	471	473	rVB	138215	49158	8.05%	0.679%
19	3.765	481	484	487	rVB	62038	44497	7.29%	0.614%
20	3.813	491	493	497	rVB2	12315	12398	2.03%	0.171%
21	3.851	497	500	503	rBV2	8327	9097	1.49%	0.126%
22	3.910	509	511	514	rBV	90348	62178	10.18%	0.859%
23	3.947	517	518	520	rBV2	16325	11530	1.89%	0.159%
24	4.022	527	532	535	rBV	704569	373965	61.24%	5.164%
25	4.150	552	556	557	rBV2	17093	14837	2.43%	0.205%
26	4.284	578	581	583	rVB	35141	17855	2.92%	0.247%
27	4.337	588	591	592	rBV	641371	551450	90.30%	7.615%
28	4.369	595	597	599	rVV	91876	51503	8.43%	0.711%
29	4.433	606	609	612	rBV	35661	27001	4.42%	0.373%
30	4.593	635	639	641	rBV2	56968	49206	8.06%	0.679%
31	4.609	641	642	645	rVV	58407	38571	6.32%	0.533%

32	4.636	645	647	649	rVV	17364	11719	1.92%	0.162%
33	4.668	649	653	662	rVB3	78228	81657	13.37%	1.128%
34	4.748	666	668	670	rBV	18680	11877	1.94%	0.164%
35	4.845	682	686	688	rBV3	10055	8820	1.44%	0.122%
36	4.914	695	699	701	rBV	30642	29784	4.88%	0.411%
37	5.010	715	717	720	rBV	363743	259948	42.57%	3.589%
38	5.117	732	737	739	rBV3	14106	12966	2.12%	0.179%
39	5.160	739	745	748	rVV	292610	255555	41.85%	3.529%
40	5.186	748	750	752	rVV2	19348	14567	2.39%	0.201%
41	5.213	752	755	761	rVV	513757	352229	57.68%	4.864%
42	5.256	761	763	767	rVB2	13285	11174	1.83%	0.154%
43	5.299	767	771	776	rBV4	26292	30528	5.00%	0.422%
44	5.368	778	784	788	rVB2	53524	48688	7.97%	0.672%
45	5.405	788	791	794	rBV	30749	29778	4.88%	0.411%
46	5.443	794	798	803	rVB4	21428	24757	4.05%	0.342%
47	5.528	808	814	822	rVB2	54136	74327	12.17%	1.026%
48	5.710	846	848	853	rVB3	10858	9222	1.51%	0.127%
49	5.801	861	865	871	rVB2	10217	16161	2.65%	0.223%
50	5.870	874	878	882	rBV4	10735	17318	2.84%	0.239%
51	5.908	882	885	887	rVV2	23863	25536	4.18%	0.353%
52	5.929	887	889	893	rVV	20811	18227	2.98%	0.252%
53	5.961	893	895	898	rVV	19231	19534	3.20%	0.270%
54	5.988	898	900	903	rVB2	15045	13212	2.16%	0.182%
55	6.068	912	915	918	rBV	60370	42354	6.94%	0.585%
56	6.121	918	925	927	rBV2	387886	412723	67.59%	5.699%
57	6.207	936	941	943	rBV3	23534	23391	3.83%	0.323%
58	6.239	943	947	951	rBV5	13063	17312	2.83%	0.239%
59	6.415	976	980	984	rVB	17811	20440	3.35%	0.282%
60	6.490	990	994	996	rBV2	16939	16462	2.70%	0.227%
61	6.543	1000	1004	1008	rVB4	33938	41438	6.79%	0.572%
62	7.008	1085	1091	1093	rBV2	73542	102813	16.84%	1.420%
63	7.115	1108	1111	1115	rVB	13460	14742	2.41%	0.204%
64	7.291	1140	1144	1151	rBV	44993	60890	9.97%	0.841%
65	7.355	1151	1156	1161	rVV	63456	83068	13.60%	1.147%
66	7.414	1161	1167	1179	rVB	180319	247569	40.54%	3.419%
67	7.767	1230	1233	1240	rVB6	5495	8722	1.43%	0.120%
68	8.547	1373	1379	1386	rVB8	6668	15965	2.61%	0.220%
69	8.862	1429	1438	1452	rBV2	30224	74693	12.23%	1.031%
70	9.028	1461	1469	1475	rBV6	4518	10013	1.64%	0.138%
71	9.092	1475	1481	1487	rBV7	5638	13577	2.22%	0.187%
72	9.295	1511	1519	1528	rBV3	24781	55252	9.05%	0.763%

Sum of corrected areas: 7241950

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D
Operator : JC
Acquired : 26 Feb 2003 18:11 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 38
Quant File :BS0303.RES (RTE Integrator)



0324

303164

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

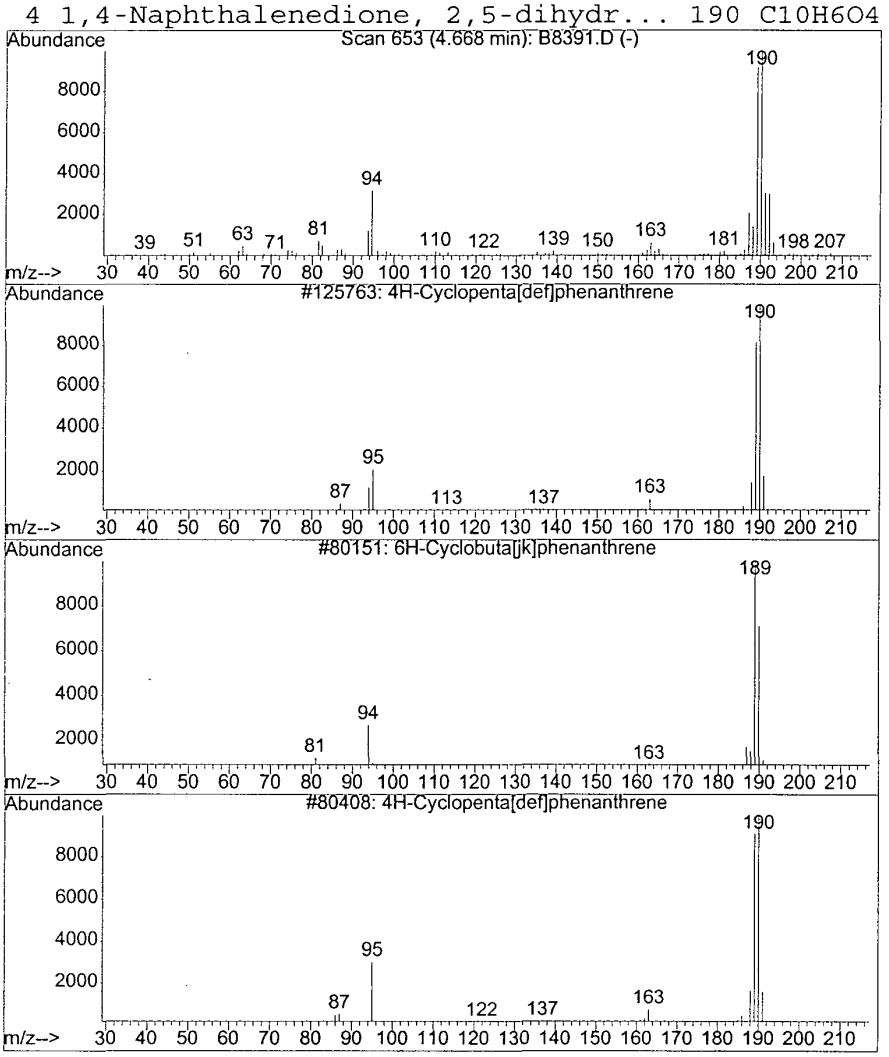
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

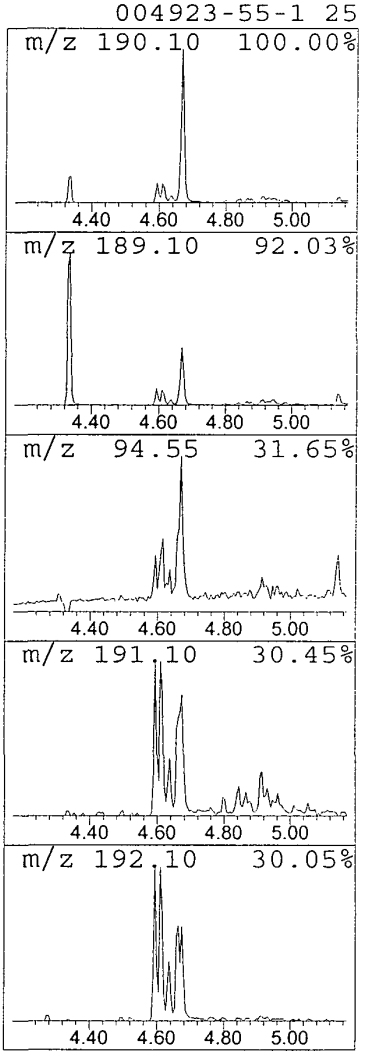
****

Peak Number 1 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	5.92 UG	81657	Phenanthrene-d10	4.34

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	56
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





303165

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

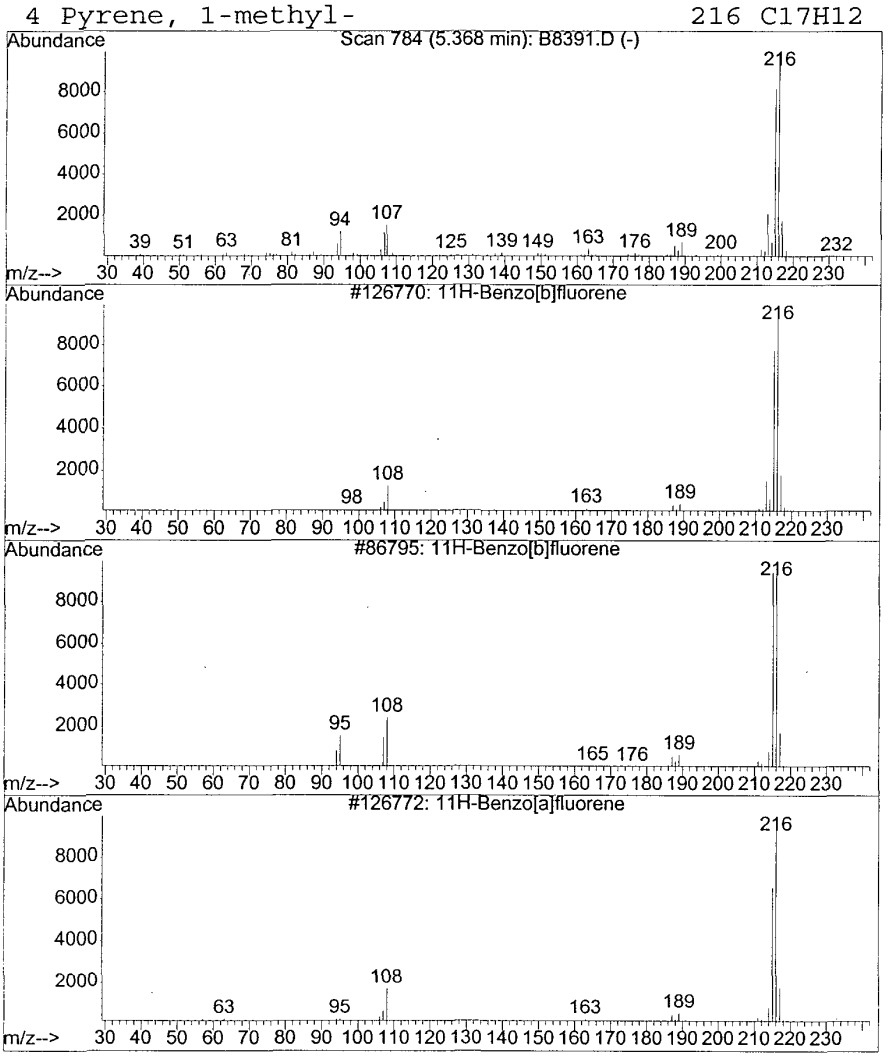
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

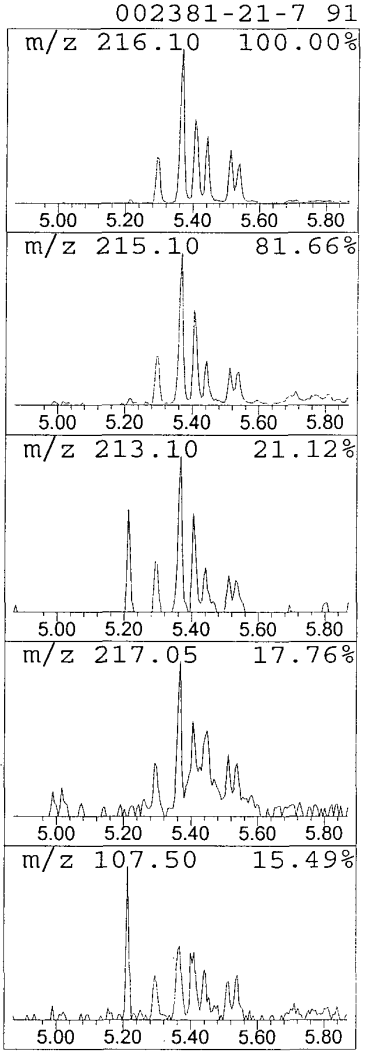
****

Peak Number 2 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	4.72 UG	48688	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





0326

303166

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

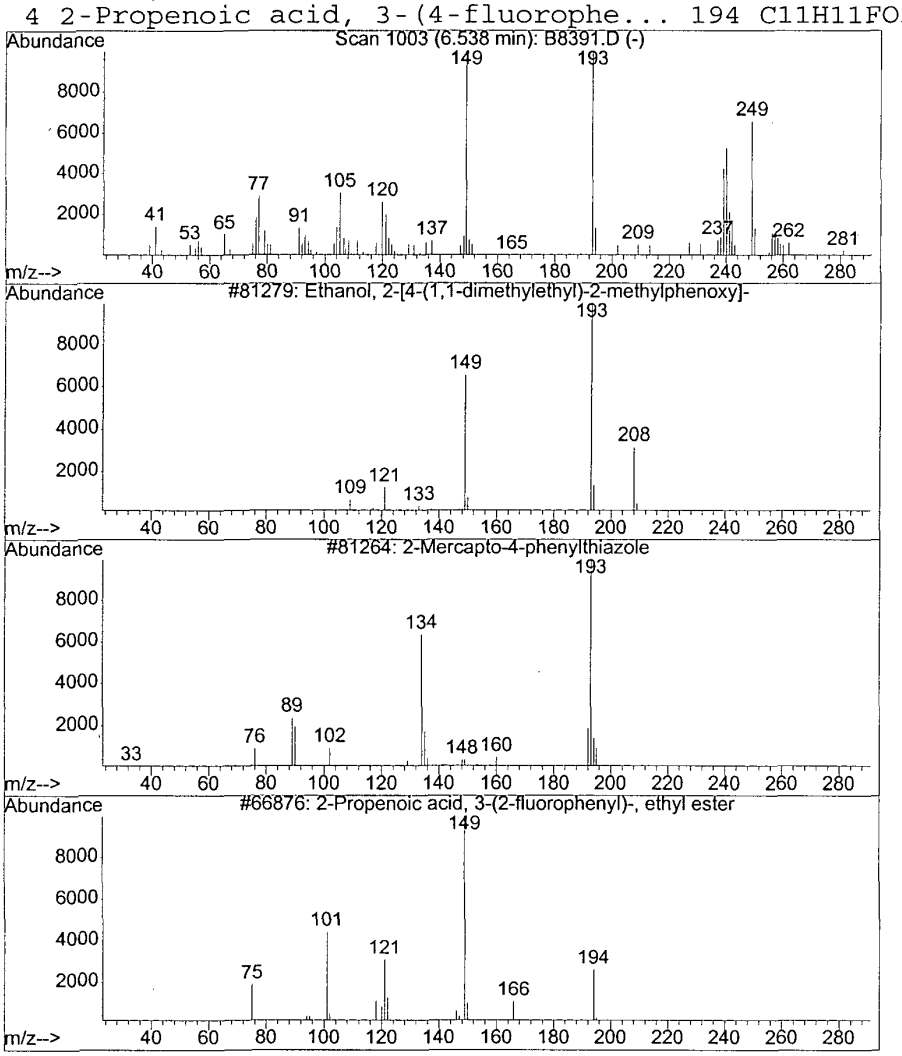
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

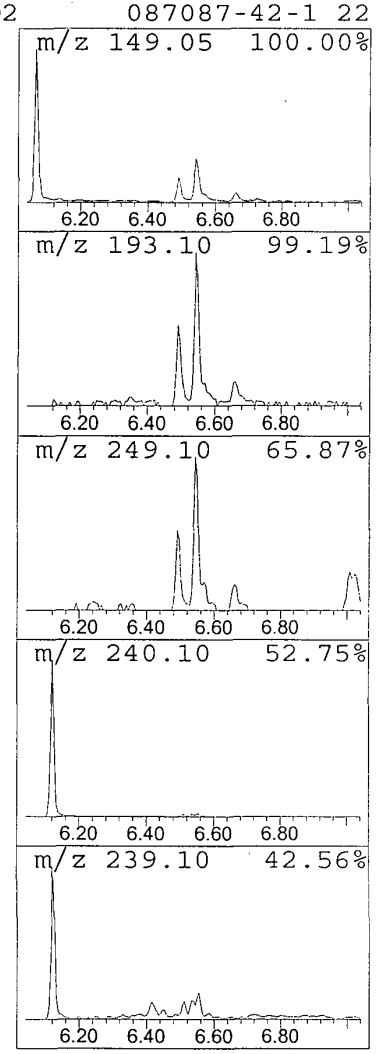
****

Peak Number 3 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	4.02 UG	41438	Chrysene-d12	6.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	208	C13H20O2	054934-87-1	40
2	2-Mercapto-4-phenylthiazole	193	C9H7NS2	002103-88-0	22
3	2-Propenoic acid, 3-(2-fluorophe...	194	C11H11FO2	000348-13-0	22
4	2-Propenoic acid, 3-(4-fluorophe...	194	C11H11FO2	087087-42-1	22





0327

303167

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8391.D Vial: 38
Acq On : 26 Feb 2003 18:11 Operator: JC
Sample : SB-T15-0/0-0,01398-006,S,10.19g,16.6,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

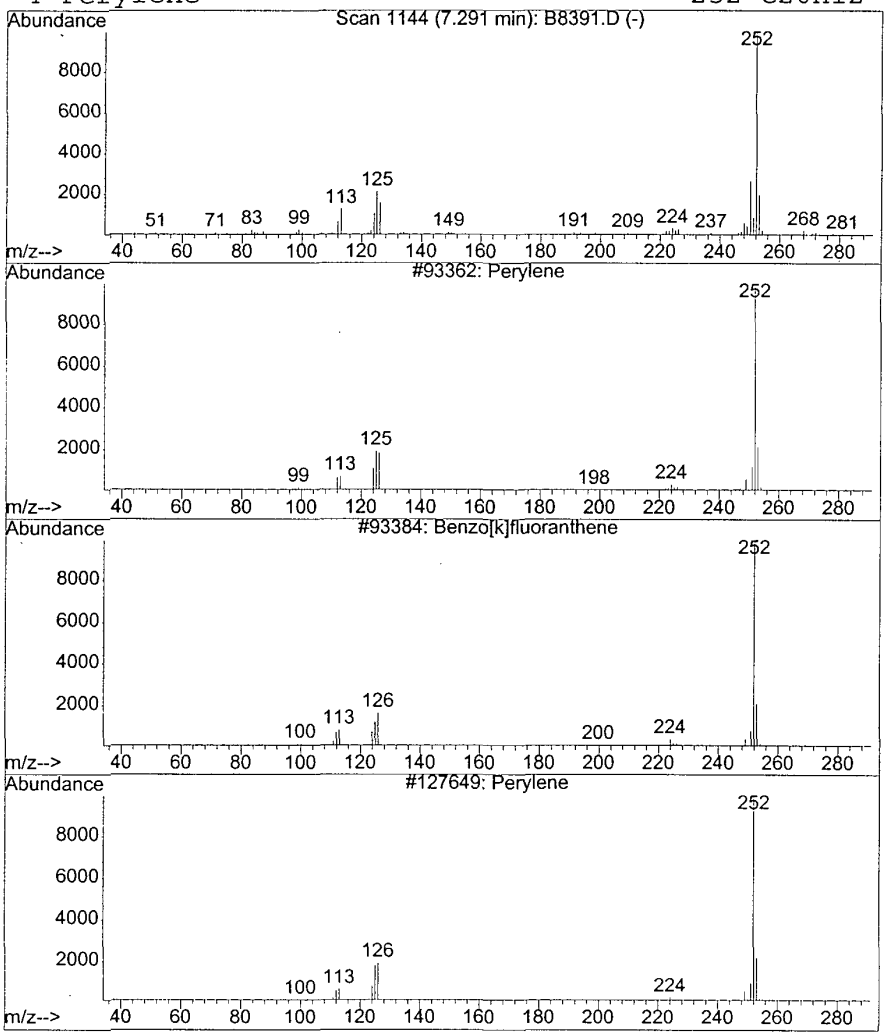
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

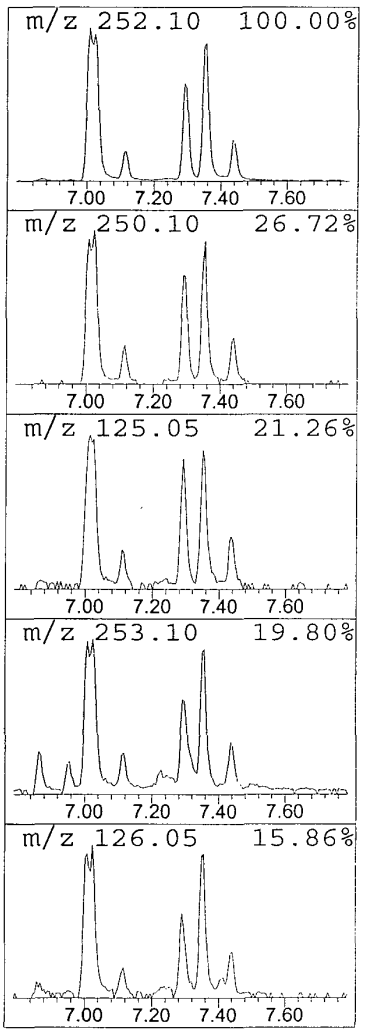
****

Peak Number 4 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	9.84 UG	60890	Perylene-d12	7.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	96
4	Perylene	252	C20H12	000198-55-0	96





303168

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8392.D Vial: 39
Acq On : 26 Feb 2003 18:27 Operator: JC
Sample : SB-T15-8/8-8,01398-007,S,10.95g,15.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 18:37:26 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	58044	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	229469	40.00 UG	0.00
43) Acenaphthene-d10	3.68	164	114204	40.00 UG	-0.01
66) Phenanthrene-d10	4.33	188	177664	40.00 UG	-0.01
82) Chrysene-d12	6.12	240	100906	40.00 UG	-0.02
92) Perylene-d12	7.41	264	77169	40.00 UG	-0.02

System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	103293	64.06 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 64.06%		
6) Phenol-d5	2.21	99	149183	72.74 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 72.74%		
24) Nitrobenzene-d5	2.62	82	62908	31.80 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 63.60%		
47) 2-Fluorobiphenyl	3.37	172	131424	40.14 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 80.28%		
70) 2,4,6-Tribromophenol	4.02	330	43906	94.88 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 94.88%		
84) Terphenyl-d14	5.21	244	126790	57.38 UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 114.76%		

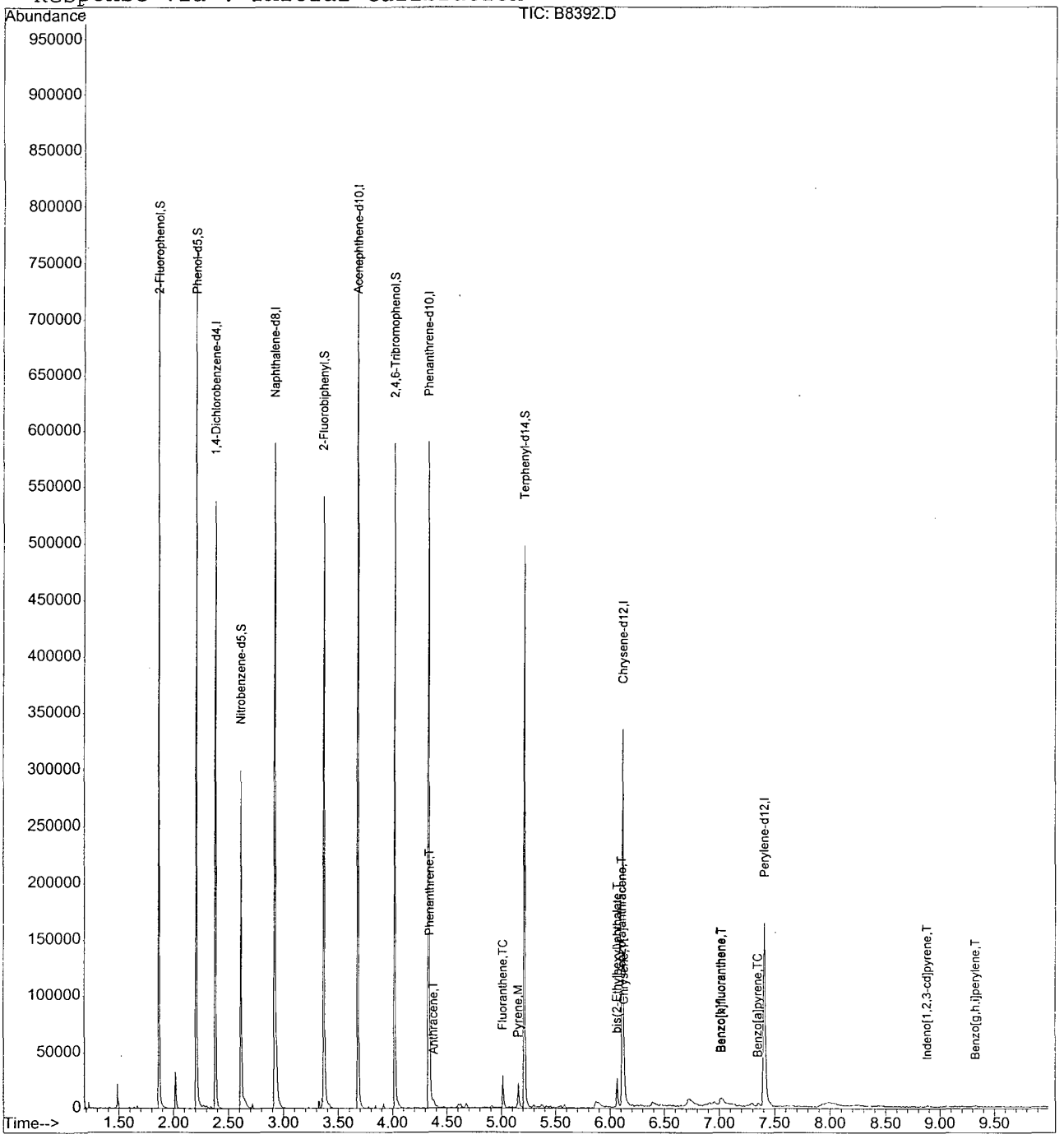
Target Compounds						Qvalue
75) Phenanthrene	4.35	178	8655	2.48 UG		97
76) Anthracene	4.38	178	2562m	0.75 UG		
79) Fluoranthene	5.02	202	9133	2.84 UG		100
83) Pyrene	5.16	202	7381	2.67 UG		97
88) Benzo[a]anthracene	6.11	228	3422	1.67 UG	#	94
89) Chrysene	6.14	228	2714	1.42 UG	#	94
90) bis(2-Ethylhexyl)phthalate	6.07	149	6289	3.52 UG	#	95
94) Benzo[b]fluoranthene	7.01	252	1941	0.85 UG	#	74
95) Benzo[k]fluoranthene	7.03	252	2314	1.02 UG	#	68
96) Benzo[a]pyrene	7.35	252	2410	1.20 UG	#	83
97) Indeno[1,2,3-cd]pyrene	8.89	276	1413m	0.65 UG		
99) Benzo[g,h,i]perylene	9.32	276	1344	0.71 UG	#	56

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8392.D Vial: 39
Acq On : 26 Feb 2003 18:27 Operator: JC
Sample : SB-T15-8/8-8,01398-007,S,10.95g,15.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:02 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



0330

303170

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-26-03\B8392.D          Vial: 39
Acq On    : 26 Feb 2003  18:27                       Operator: JC
Sample    : SB-T15-8/8-8,01398-007,S,10.95g,15.0,02/ Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1   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

****

B8392.D BS0303.M Thu Feb 27 12:48:12 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8393.D Vial: 40
Acq On : 26 Feb 2003 18:42 Operator: JC
Sample : SB-T28-0/0-0,01398-008,S,10.40g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 18:52:59 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	56182	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	222082	40.00	UG	0.00
43) Acenaphthene-d10	3.68	164	107830	40.00	UG	-0.01
66) Phenanthrene-d10	4.33	188	173311	40.00	UG	-0.01
82) Chrysene-d12	6.12	240	99804	40.00	UG	-0.02
92) Perylene-d12	7.41	264	76453	40.00	UG	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	1.87	112	103471	66.29	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 66.29%			
6) Phenol-d5	2.21	99	145607	73.35	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 73.35%			
24) Nitrobenzene-d5	2.62	82	61690	32.22	UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 64.44%			
47) 2-Fluorobiphenyl	3.37	172	128722	41.64	UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 83.28%			
70) 2,4,6-Tribromophenol	4.02	330	40657	90.06	UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 90.06%			
84) Terphenyl-d14	5.22	244	121967	55.81	UG	0.00
Spiked Amount 50.000	Range 42 - 134		Recovery = 111.62%			

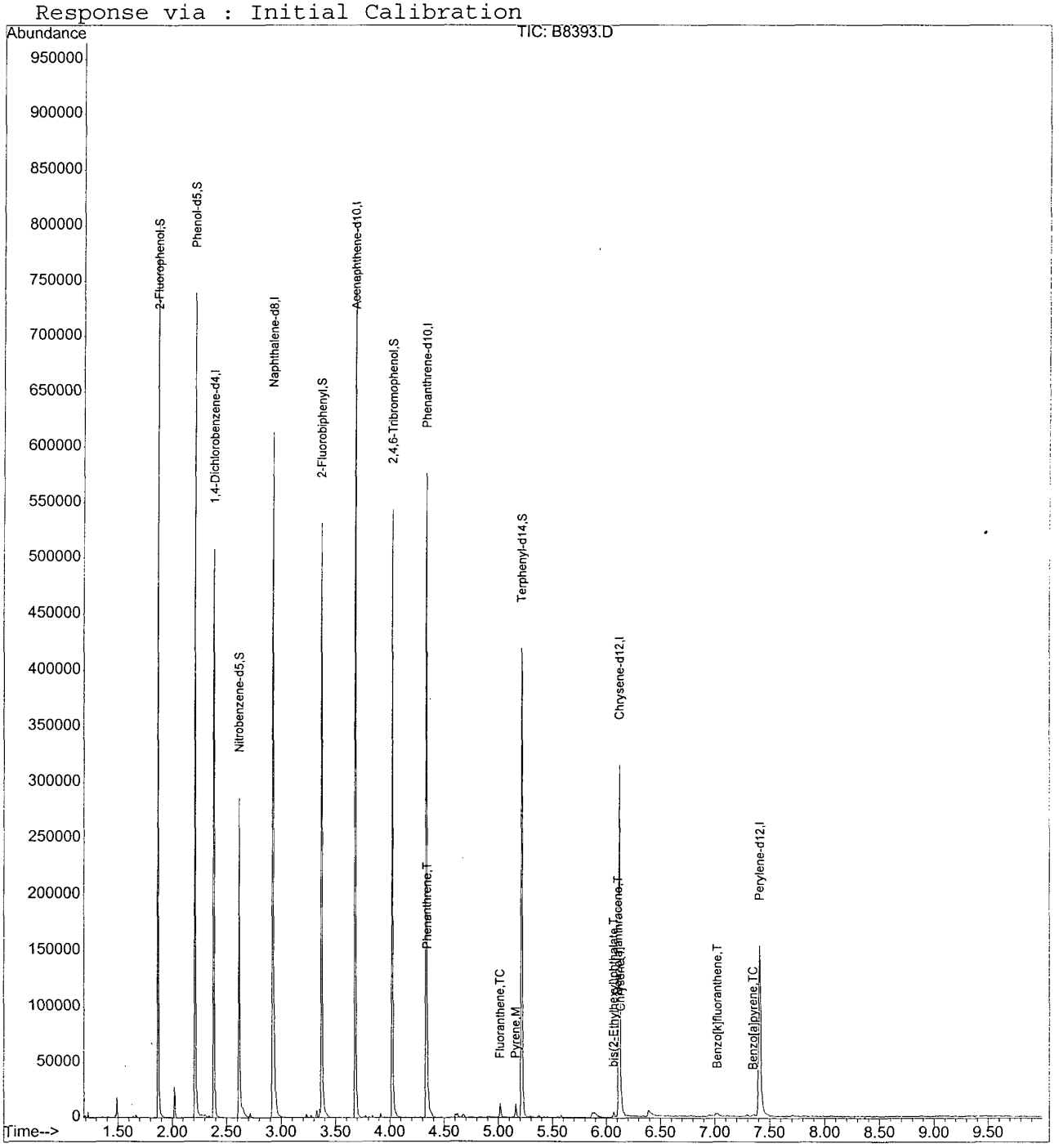
Target Compounds							Qvalue
75) Phenanthrene	4.35	178	6724	1.98	UG		100
79) Fluoranthene	5.02	202	4804	1.53	UG		99
83) Pyrene	5.16	202	4311	1.58	UG	#	96
88) Benzo[a]anthracene	6.11	228	1862	0.92	UG	#	87
89) Chrysene	6.14	228	1665	0.88	UG	#	90
90) bis(2-Ethylhexyl)phthalate	6.07	149	1266	0.72	UG	#	85
95) Benzo[k]fluoranthene	7.03	252	1371m	0.61	UG		
96) Benzo[a]pyrene	7.35	252	1428	0.72	UG	#	78

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8393.D Vial: 40
Acq On : 26 Feb 2003 18:42 Operator: JC
Sample : SB-T28-0/0-0,01398-008,S,10.40g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:03 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



0333

303173

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-26-03\B8393.D          Vial: 40
Acq On    : 26 Feb 2003  18:42                       Operator: JC
Sample    : SB-T28-0/0-0,01398-008,S,10.40g,17.3,02/ Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1   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

****

B8393.D BS0303.M Thu Feb 27 12:48:58 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8402.D Vial: 50
Acq On : 26 Feb 2003 21:02 Operator: JC
Sample : SB-T28-8/8-1,01398-009,S,10.16g,20.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 21:12:31 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	57792	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	189651	40.00 UG	0.00
43) Acenaphthene-d10	3.69	164	92750	40.00 UG	0.00
66) Phenanthrene-d10	4.33	188	127396	40.00 UG	-0.01
82) Chrysene-d12	6.11	240	88836	40.00 UG	-0.03
92) Perylene-d12	7.42	264	75570	40.00 UG	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	109535	68.22 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 68.22%		
6) Phenol-d5	2.21	99	149350	73.14 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 73.14%		
24) Nitrobenzene-d5	2.62	82	73485	44.94 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 89.88%		
47) 2-Fluorobiphenyl	3.38	172	126585	47.61 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 95.22%		
70) 2,4,6-Tribromophenol	4.02	330	31085	93.68 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 93.68%		
84) Terphenyl-d14	5.21	244	90362	46.45 UG	-0.01
Spiked Amount 50.000	Range 42 - 134		Recovery = 92.90%		

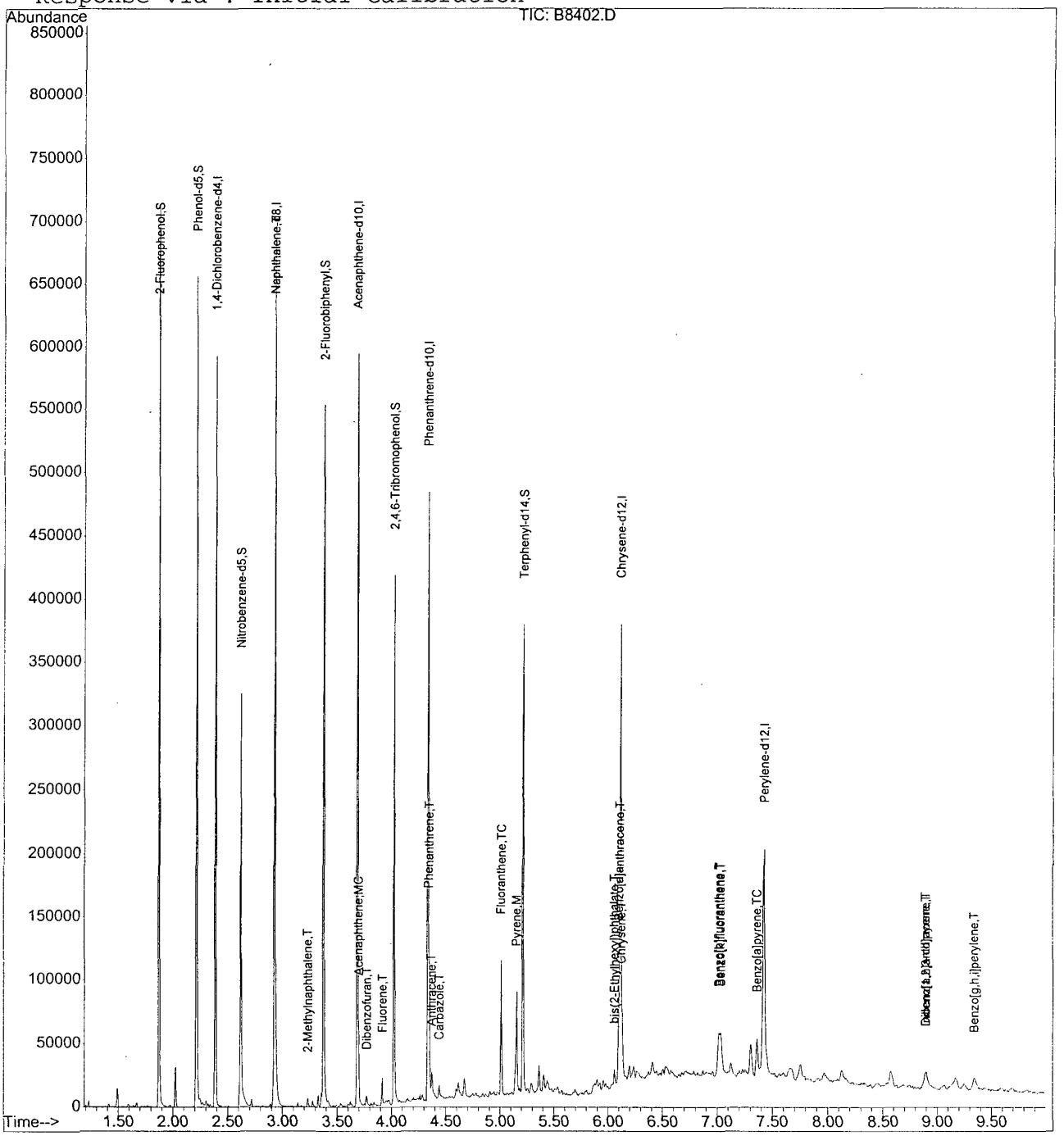
Target Compounds						Qvalue
34) Naphthalene	2.93	128	6392	1.67 UG	#	50
41) 2-Methylnaphthalene	3.23	142	1743	0.67 UG		96
55) Acenaphthene	3.70	153	6146	2.91 UG		96
59) Dibenzofuran	3.77	168	2768	0.91 UG		96
61) Fluorene	3.91	166	3985	1.69 UG		94
75) Phenanthrene	4.35	178	24745	9.90 UG		99
76) Anthracene	4.37	178	6933m	2.83 UG		
77) Carbazole	4.44	167	4101	1.87 UG	#	95
79) Fluoranthene	5.01	202	28738	12.47 UG		99
83) Pyrene	5.15	202	22983	9.44 UG		94
88) Benzo[a]anthracene	6.09	228	13756	7.63 UG	#	86
89) Chrysene	6.13	228	13502	8.01 UG	#	93
90) bis(2-Ethylhexyl)phthalate	6.06	149	2707	1.72 UG	#	97
94) Benzo[b]fluoranthene	7.01	252	11906m	5.33 UG		
95) Benzo[k]fluoranthene	7.03	252	13472	6.07 UG		97
96) Benzo[a]pyrene	7.36	252	12091	6.13 UG	#	95
97) Indeno[1,2,3-cd]pyrene	8.89	276	10709m	5.02 UG		
98) Dibenz[a,h]anthracene	8.89	278	3443	2.11 UG	#	74
99) Benzo[g,h,i]perylene	9.34	276	8493	4.60 UG		94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8402.D Vial: 50
Acq On : 26 Feb 2003 21:02 Operator: JC
Sample : SB-T28-8/8-1,01398-009,S,10.16g,20.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 9:25 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



0336

303176

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8402.D Vial: 50
Acq On : 26 Feb 2003 21:02 Operator: JC
Sample : SB-T28-8/8-1,01398-009,S,10.16g,20.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3 Area counts
Start Thrs: 0.075 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

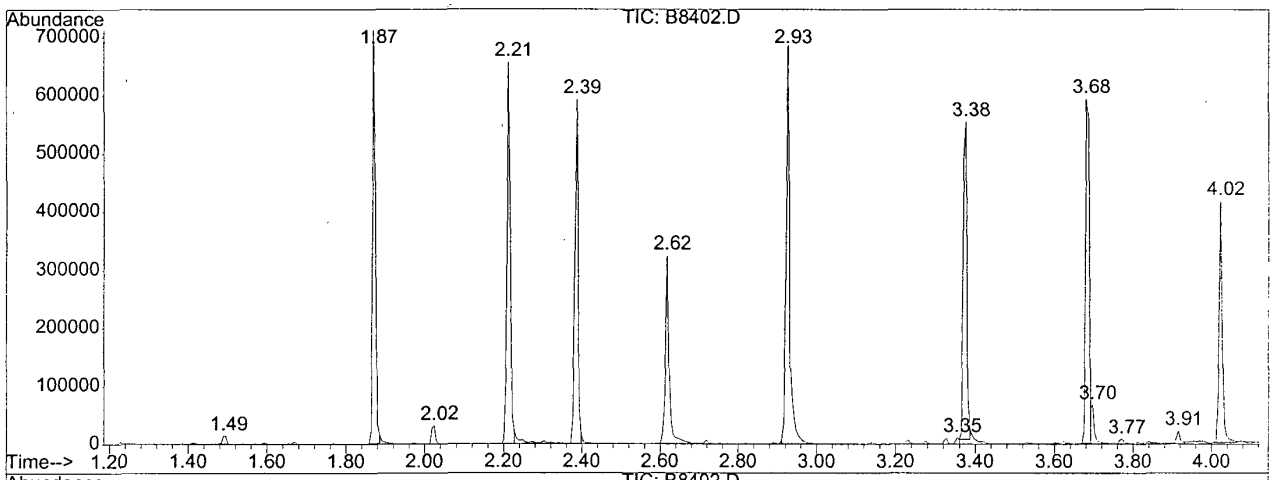
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.490	55	58	61	rVB3	14312	10462	2.42%	0.227%
2	1.869	127	129	132	rBV	712325	358727	82.83%	7.797%
3	2.024	155	158	163	rVB	31731	21759	5.02%	0.473%
4	2.211	190	193	196	rBV	656792	381121	88.00%	8.284%
5	2.387	223	226	228	rBV	592923	346607	80.03%	7.534%
6	2.617	265	269	282	rBV	325417	211928	48.93%	4.607%
7	2.927	324	327	340	rVB	686248	433083	100.00%	9.414%
8	3.354	405	407	408	rBV	11104	7221	1.67%	0.157%
9	3.375	408	411	413	rBV	546057	363160	83.85%	7.894%
10	3.680	466	468	470	rBV	593090	395753	91.38%	8.602%
11	3.696	470	471	480	rVV	66242	31549	7.28%	0.686%
12	3.771	482	485	491	rVB	8478	8097	1.87%	0.176%
13	3.915	509	512	515	rBV	21965	13692	3.16%	0.298%
14	4.022	529	532	540	rBV	416632	235444	54.36%	5.118%
15	4.332	588	590	595	rBV2	480326	380814	87.93%	8.277%
16	4.369	595	597	601	rVB	18090	15742	3.63%	0.342%
17	4.439	606	610	614	rBV	10941	11456	2.65%	0.249%
18	4.593	635	639	641	rBV	8085	8191	1.89%	0.178%
19	4.668	650	653	662	rVB3	15022	16965	3.92%	0.369%
20	5.010	714	717	723	rVB	107224	71090	16.41%	1.545%
21	5.154	738	744	748	rBV	81278	71183	16.44%	1.547%
22	5.213	751	755	761	rVV	369252	266425	61.52%	5.791%
23	5.288	766	769	775	rBV4	7930	10810	2.50%	0.235%
24	5.363	778	783	788	rVB2	20922	18198	4.20%	0.396%
25	5.405	788	791	794	rBV	13456	13677	3.16%	0.297%
26	5.438	794	797	802	rVB3	7903	9887	2.28%	0.215%
27	5.865	873	877	878	rBV4	6745	7209	1.66%	0.157%
28	5.956	890	894	896	rBV	7931	8055	1.86%	0.175%
29	6.057	911	913	915	rBV	12007	8145	1.88%	0.177%
30	6.111	917	923	931	rVV	362001	361464	83.46%	7.857%
31	6.196	935	939	941	rBV2	11580	11214	2.59%	0.244%

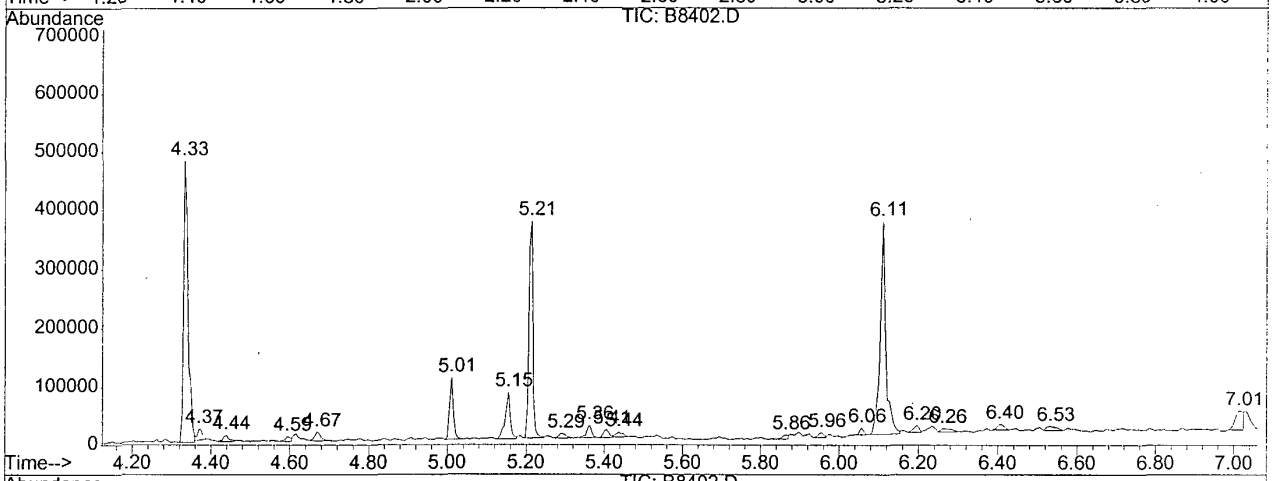
32	6.260	949	951	958	rBV4	5782	10922	2.52%	0.237%
33	6.404	975	978	983	rBV4	9058	10970	2.53%	0.238%
34	6.533	999	1002	1008	rBV6	6749	12258	2.83%	0.266%
35	7.013	1087	1092	1094	rBV	32378	47620	11.00%	1.035%
36	7.126	1110	1113	1122	rVB2	11252	17744	4.10%	0.386%
37	7.302	1142	1146	1153	rVB	25589	36898	8.52%	0.802%
38	7.361	1153	1157	1161	rBV	29795	38698	8.94%	0.841%
39	7.425	1163	1169	1179	rVB	177501	245721	56.74%	5.341%
40	7.756	1227	1231	1236	rVB7	9605	13178	3.04%	0.286%
41	8.573	1380	1384	1391	rVB5	12268	21745	5.02%	0.473%
42	8.894	1440	1444	1452	rVB3	10977	20282	4.68%	0.441%
43	9.337	1525	1527	1535	rVB4	8800	15448	3.57%	0.336%

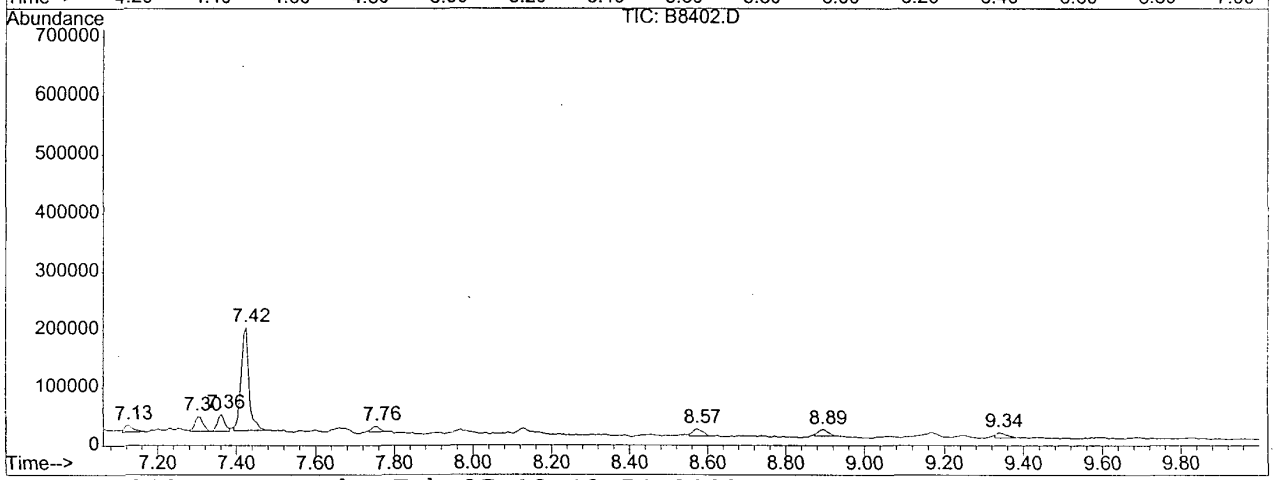
Sum of corrected areas: 4600612

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-26-03\B8402.D
Operator : JC
Acquired : 26 Feb 2003 21:02 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-T28-8/8-1,01398-009,S,10.16g,20.0,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 50
Quant File :BS0303.RES (RTE Integrator)







0339

303179

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8402.D Vial: 50
Acq On : 26 Feb 2003 21:02 Operator: JC
Sample : SB-T28-8/8-1,01398-009,S,10.16g,20.0,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

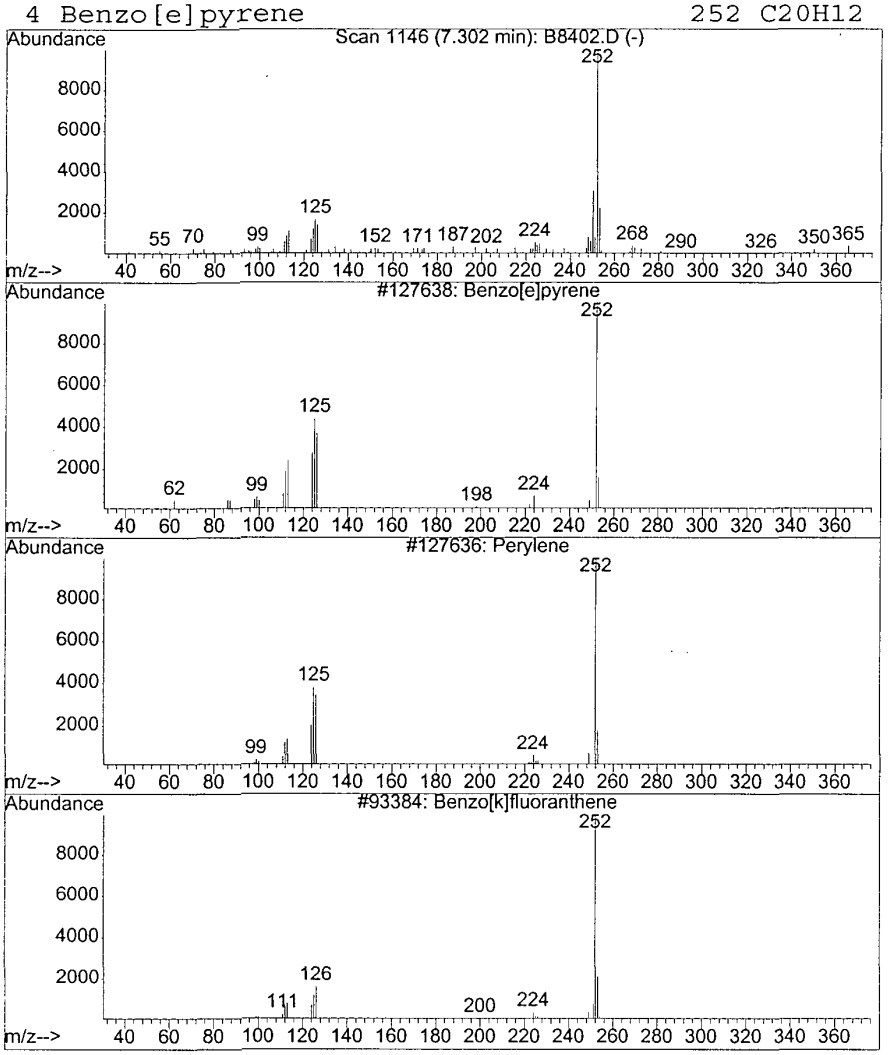
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

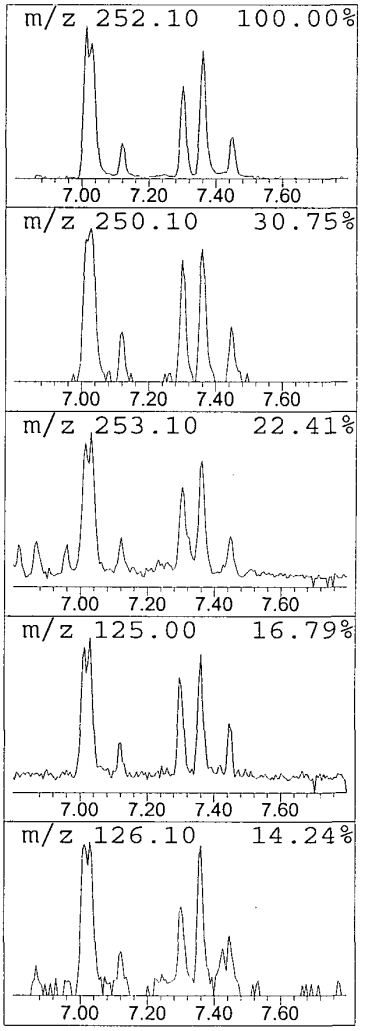
****

Peak Number 1 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	6.01 UG	36898	Perylene-d12	7.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	90





Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 09:45:26 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	2.38	152	60391	40.00 UG	-0.01
23) Naphthalene-d8	2.91	136	225292	40.00 UG	-0.02
43) Acenaphthene-d10	3.67	164	135350	40.00 UG	-0.02
66) Phenanthrene-d10	4.32	188	193331	40.00 UG	-0.02
82) Chrysene-d12	6.10	240	107949	40.00 UG	-0.04
92) Perylene-d12	7.38	264	75147	40.00 UG	-0.05
System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	2709	1.61 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 1.61%#		
6) Phenol-d5	2.22	99	4106	1.92 UG	0.00
Spiked Amount 100.000	Range 46 - 106		Recovery = 1.92%#		
24) Nitrobenzene-d5	2.60	82	52	0.03 UG	-0.02
Spiked Amount 50.000	Range 32 - 111		Recovery = 0.06%#		
47) 2-Fluorobiphenyl	3.36	172	3847	0.99 UG	-0.02
Spiked Amount 50.000	Range 36 - 136		Recovery = 1.98%#		
70) 2,4,6-Tribromophenol	4.01	330	1062	2.11 UG	-0.02
Spiked Amount 100.000	Range 53 - 141		Recovery = 2.11%#		
84) Terphenyl-d14	5.19	244	3117	1.32 UG	-0.03
Spiked Amount 50.000	Range 42 - 134		Recovery = 2.64%#		

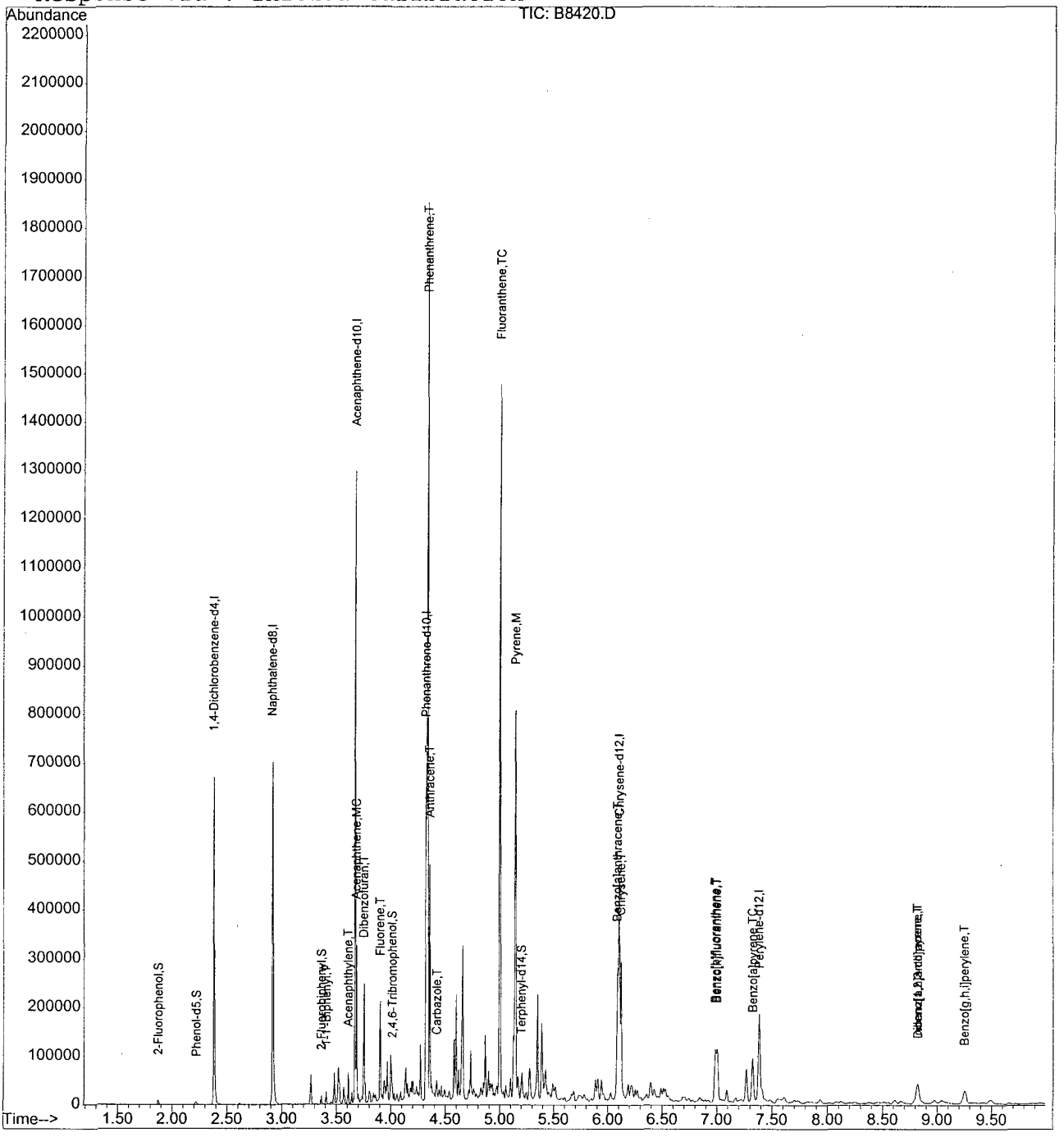
Target Compounds						Qvalue
48) 1-1'-Biphenyl	3.40	154	5478	1.38 UG		99
53) Acenaphthylene	3.61	152	11302	2.25 UG		97
55) Acenaphthene	3.68	153	34111	11.08 UG		94
59) Dibenzofuran	3.75	168	51655	11.65 UG		95
61) Fluorene	3.90	166	35128	10.18 UG		99
75) Phenanthrene	4.33	178	436259	115.01 UG		99
76) Anthracene	4.35	178	87154	23.42 UG		98
77) Carbazole	4.42	167	10682	3.21 UG		96
79) Fluoranthene	5.00	202	385504	110.19 UG		99
83) Pyrene	5.14	202	244680	82.71 UG		98
88) Benzo[a]anthracene	6.08	228	78303	35.74 UG	#	90
89) Chrysene	6.12	228	74140	36.21 UG		94
94) Benzo[b]fluoranthene	6.98	252	51355	23.12 UG		97
95) Benzo[k]fluoranthene	7.00	252	39190m	17.75 UG		
96) Benzo[a]pyrene	7.32	252	40710	20.75 UG		95
97) Indeno[1,2,3-cd]pyrene	8.82	276	28816	13.58 UG		96
98) Dibenz[a,h]anthracene	8.81	278	8176	5.03 UG		96
99) Benzo[g,h,i]perylene	9.25	276	24043	13.10 UG		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 12:55 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



0342

303182

LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 3 Area counts
Start Thrs: 0.075 Max Peaks: 40
Stop Thrs : 0 Peak Location: TOP

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

Signal : TIC

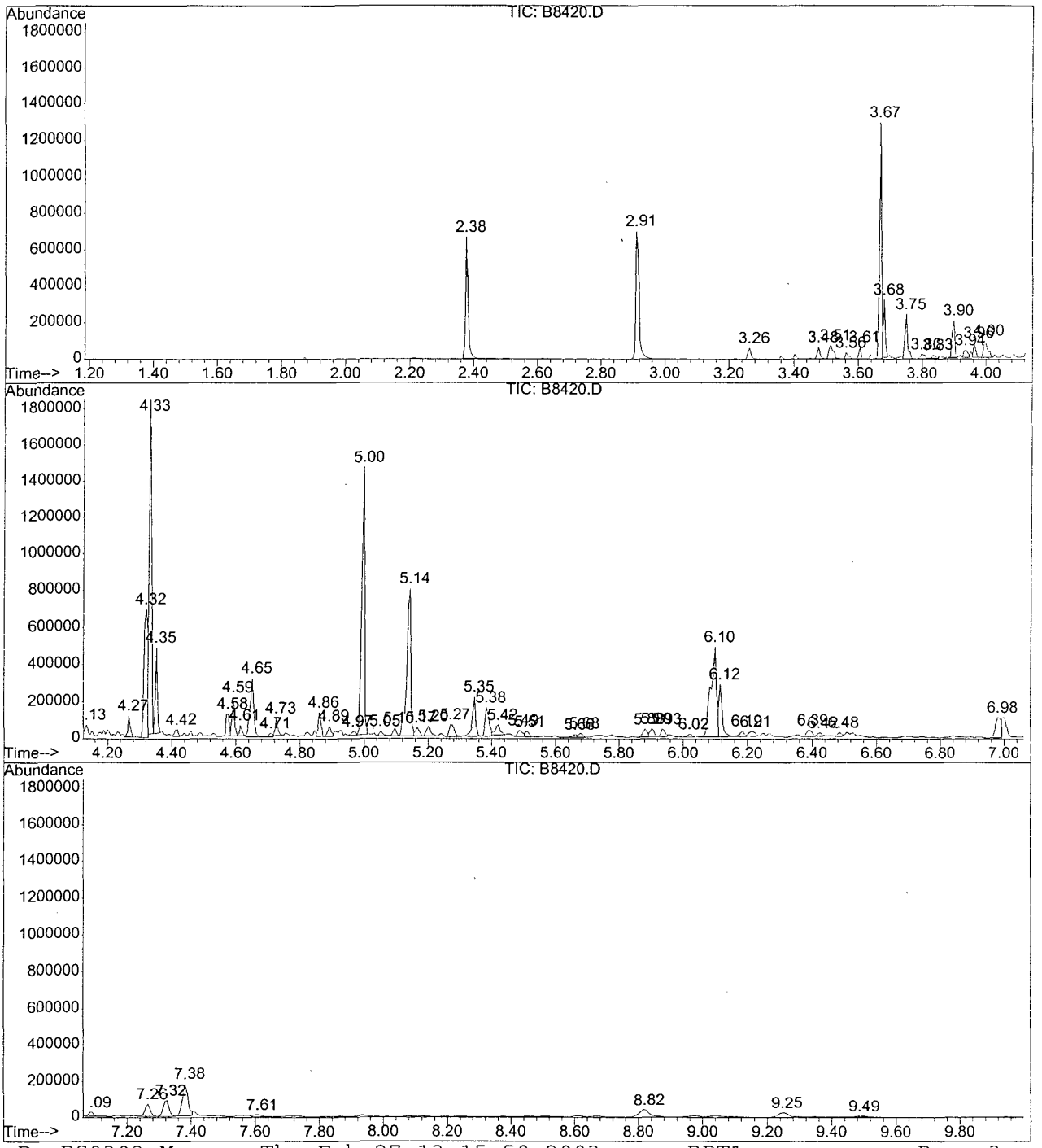
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.377	222	224	240	rVB	670186	368653	40.36%	4.120%
2	2.911	322	324	348	rVB	702374	495723	54.27%	5.540%
3	3.263	387	390	398	rVB	62006	42476	4.65%	0.475%
4	3.477	428	430	434	rBV	65846	37865	4.15%	0.423%
5	3.514	434	437	441	rVV	74427	70400	7.71%	0.787%
6	3.562	444	446	450	rBV	35449	24162	2.65%	0.270%
7	3.605	452	454	459	rBV	66391	32285	3.53%	0.361%
8	3.669	463	466	467	rBV	1293204	582235	63.75%	6.506%
9	3.680	467	468	470	rVB	316559	123988	13.57%	1.386%
10	3.749	479	481	486	rVB	245434	143794	15.74%	1.607%
11	3.798	488	490	494	rBV	25145	24079	2.64%	0.269%
12	3.835	494	497	500	rBV	20255	18569	2.03%	0.208%
13	3.899	506	509	511	rBV	204799	120834	13.23%	1.350%
14	3.936	514	516	518	rVV2	41132	37097	4.06%	0.415%
15	3.963	520	521	525	rVB	80996	38021	4.16%	0.425%
16	3.995	525	527	532	rBV2	94654	84392	9.24%	0.943%
17	4.134	547	553	555	rBV2	67482	58487	6.40%	0.654%
18	4.268	575	578	581	rVB	115159	58311	6.38%	0.652%
19	4.321	584	588	589	rBV	692663	632366	69.23%	7.067%
20	4.332	589	590	592	rVV	1824464	888751	97.30%	9.932%
21	4.353	592	594	596	rVB	461478	198326	21.71%	2.216%
22	4.417	603	606	608	rVB2	35710	28132	3.08%	0.314%
23	4.578	633	636	637	rBV	120871	85781	9.39%	0.959%
24	4.594	637	639	641	rVV	210605	110012	12.04%	1.229%
25	4.615	641	643	646	rVV	57375	31393	3.44%	0.351%
26	4.652	646	650	656	rVB2	317280	253090	27.71%	2.828%
27	4.711	656	661	662	rBV3	19959	17938	1.96%	0.200%
28	4.727	662	664	668	rVB	92773	50042	5.48%	0.559%
29	4.861	687	689	691	rVB	128980	74552	8.16%	0.833%
30	4.893	691	695	697	rBV	54721	41533	4.55%	0.464%
31	4.968	706	709	711	rBV3	21486	21103	2.31%	0.236%

32	5.000	711	715	717	rBV	1456702	913371	100.00%	10.207%
33	5.053	723	725	730	rBV	27671	22635	2.48%	0.253%
34	5.096	730	733	735	rVV	43026	30108	3.30%	0.336%
35	5.144	735	742	744	rVV2	795517	698836	76.51%	7.809%
36	5.165	744	746	749	rVB2	47367	37093	4.06%	0.415%
37	5.203	749	753	758	rBV2	55446	52859	5.79%	0.591%
38	5.272	763	766	772	rBV3	66876	75699	8.29%	0.846%
39	5.347	772	780	784	rBV	214145	159101	17.42%	1.778%
40	5.384	784	787	790	rBV	155579	136223	14.91%	1.522%
41	5.422	790	794	798	rVB3	53763	55273	6.05%	0.618%
42	5.486	803	806	809	rVV2	34417	38925	4.26%	0.435%
43	5.507	809	810	818	rVB2	26933	25122	2.75%	0.281%
44	5.662	831	839	840	rBV3	16587	19467	2.13%	0.218%
45	5.678	840	842	847	rVB2	21635	20076	2.20%	0.224%
46	5.881	875	880	882	rBV	43103	42862	4.69%	0.479%
47	5.902	882	884	887	rVB	43349	36037	3.95%	0.403%
48	5.934	887	890	893	rBV	41170	37932	4.15%	0.424%
49	6.020	902	906	909	rBV	16603	18125	1.98%	0.203%
50	6.100	912	921	923	rVV2	485592	636401	69.68%	7.112%
51	6.116	923	924	932	rVB	283080	173522	19.00%	1.939%
52	6.186	932	937	939	rBV3	31253	30913	3.38%	0.345%
53	6.212	939	942	946	rVB6	24204	36005	3.94%	0.402%
54	6.389	971	975	979	rBV	33777	42592	4.66%	0.476%
55	6.421	979	981	986	rVB3	17521	18860	2.06%	0.211%
56	6.485	990	993	995	rBV2	21080	18639	2.04%	0.208%
57	6.982	1081	1086	1088	rBV	110731	144745	15.85%	1.618%
58	7.088	1102	1106	1110	rVB	24559	26282	2.88%	0.294%
59	7.265	1135	1139	1145	rVB	68411	76041	8.33%	0.850%
60	7.323	1145	1150	1155	rBV	89855	111818	12.24%	1.250%
61	7.382	1155	1161	1165	rBV	177315	219150	23.99%	2.449%
62	7.607	1199	1203	1212	rVB3	12331	22452	2.46%	0.251%
63	8.819	1419	1430	1445	rBV2	41663	100094	10.96%	1.119%
64	9.247	1503	1510	1519	rBV	26327	58933	6.45%	0.659%
65	9.487	1550	1555	1565	rVB4	7308	18073	1.98%	0.202%

Sum of corrected areas: 8948654

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D
Operator : JC
Acquired : 27 Feb 2003 9:35 using AcqMethod BS0303
Instrument : MSD_B
Sample Name: SB-T28-15.5/,01398-010,S,10.01g,17.3,02/
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40
Vial Number: 42
Quant File :BS0303.RES (RTE Integrator)



0345

303185

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

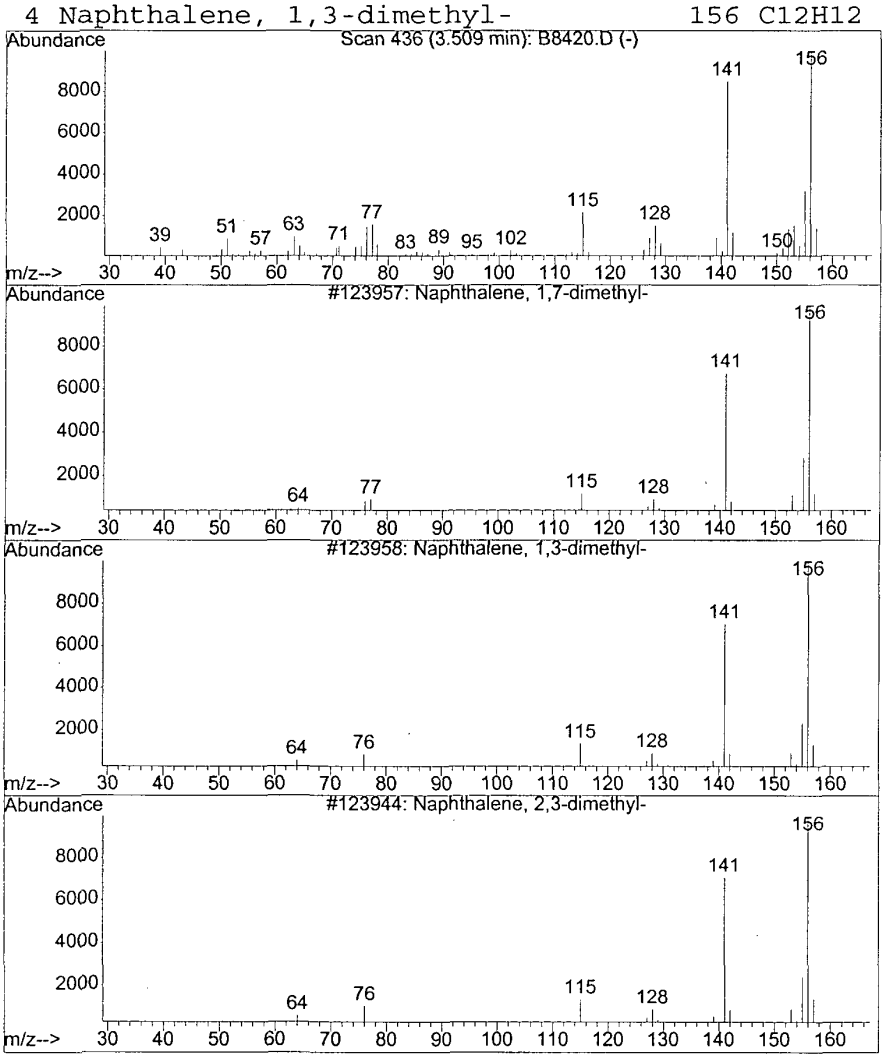
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

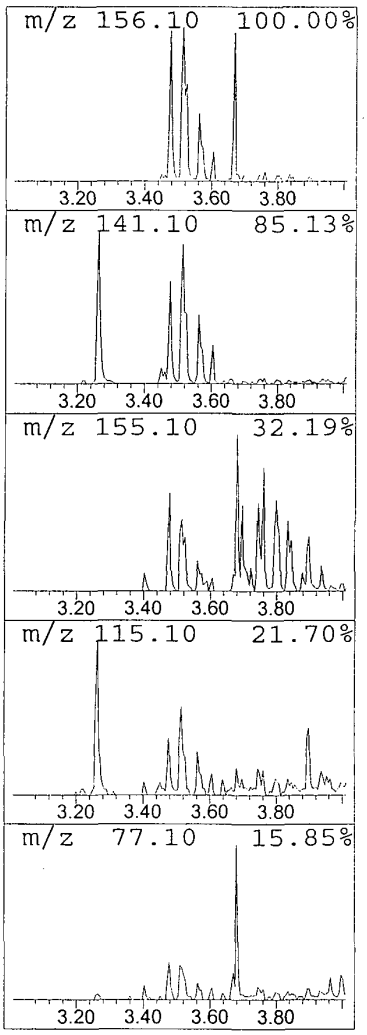
****

Peak Number 1 Substituted naphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	4.84 UG	70400	Acenaphthene-d10	3.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





0346

303186

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

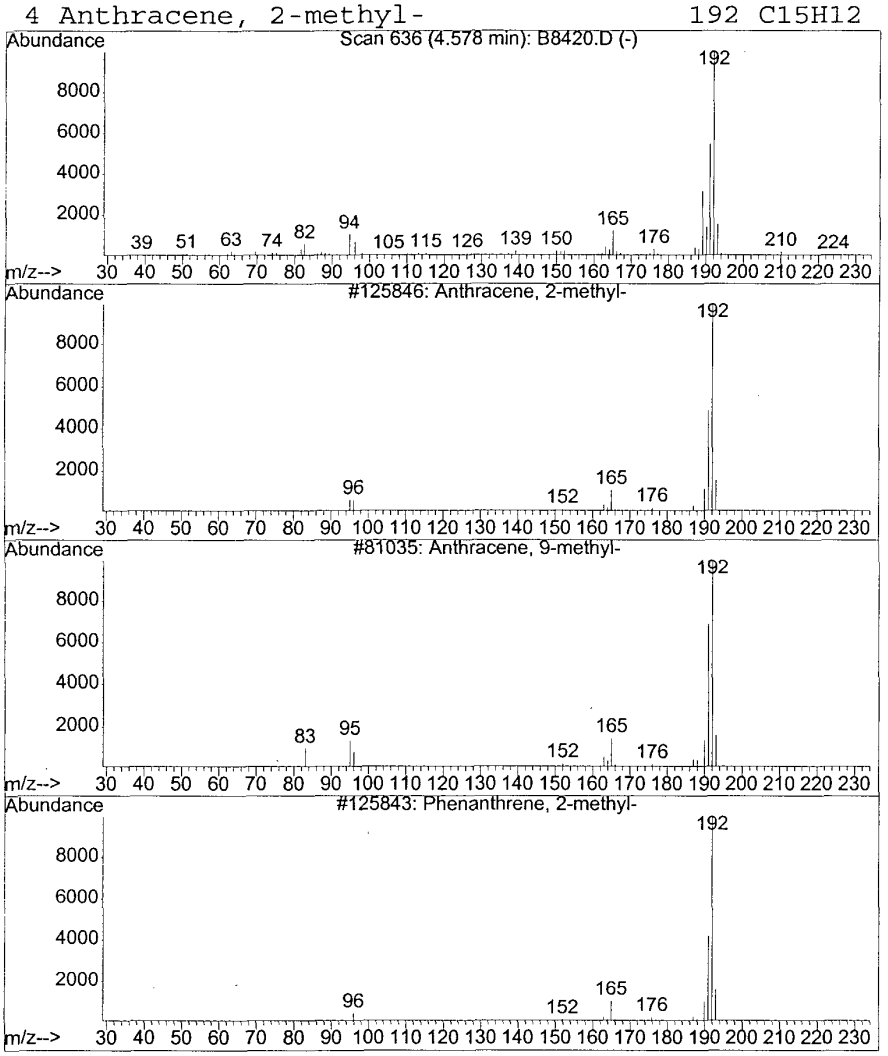
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

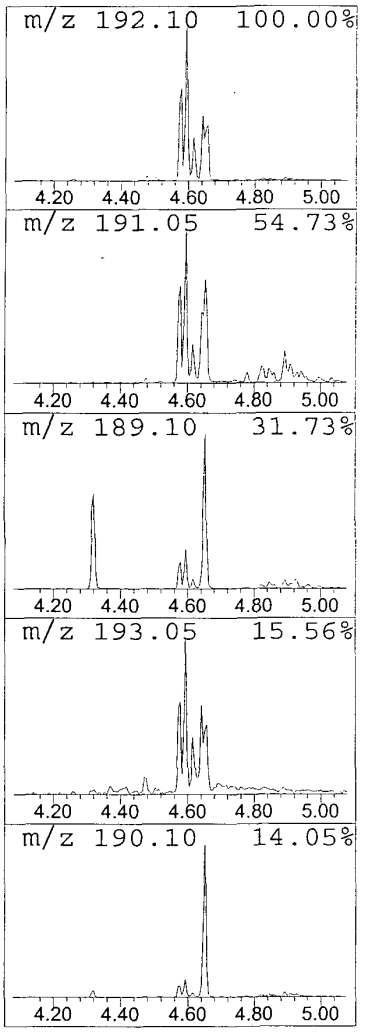
****

Peak Number 2 Unknown aromatic Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	5.43 UG	85781	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

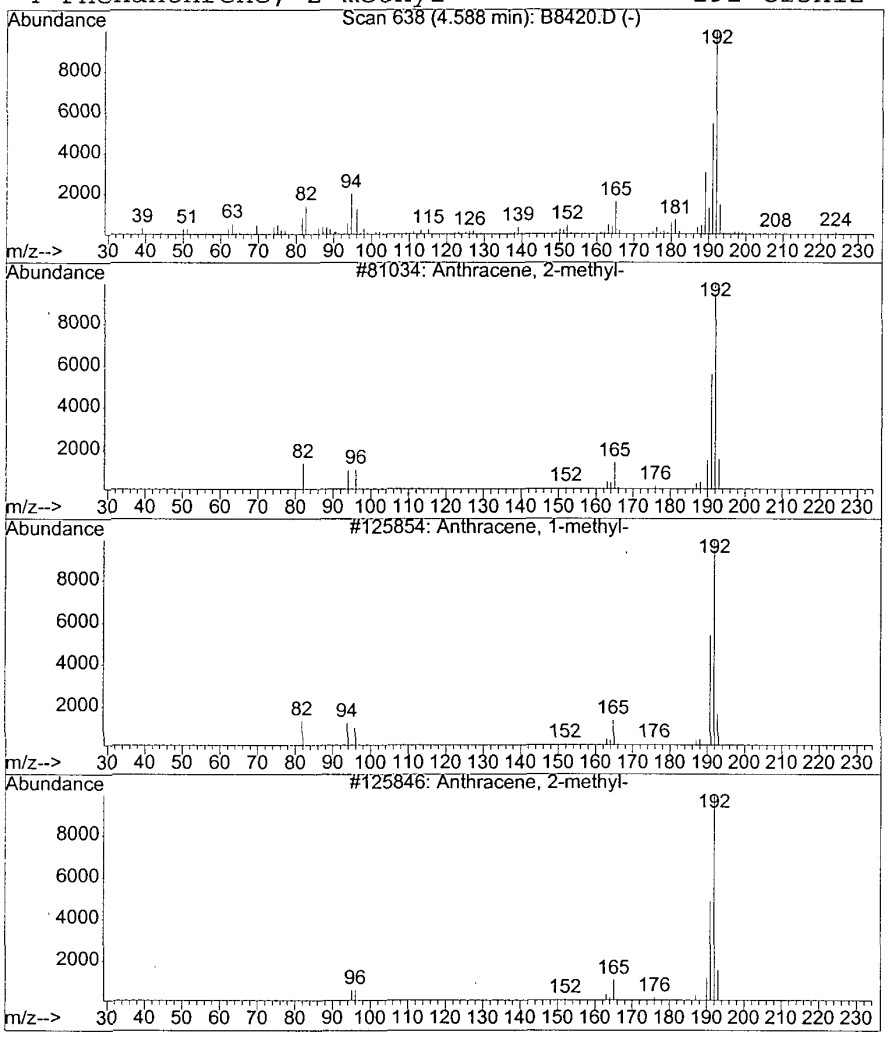
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

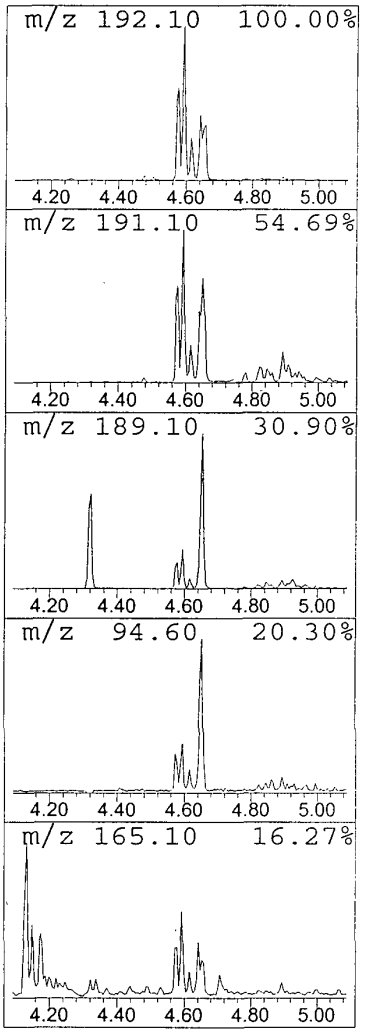
****

Peak Number 3 Unknown aromatic Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	6.96 UG	110012	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





0348

303188

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

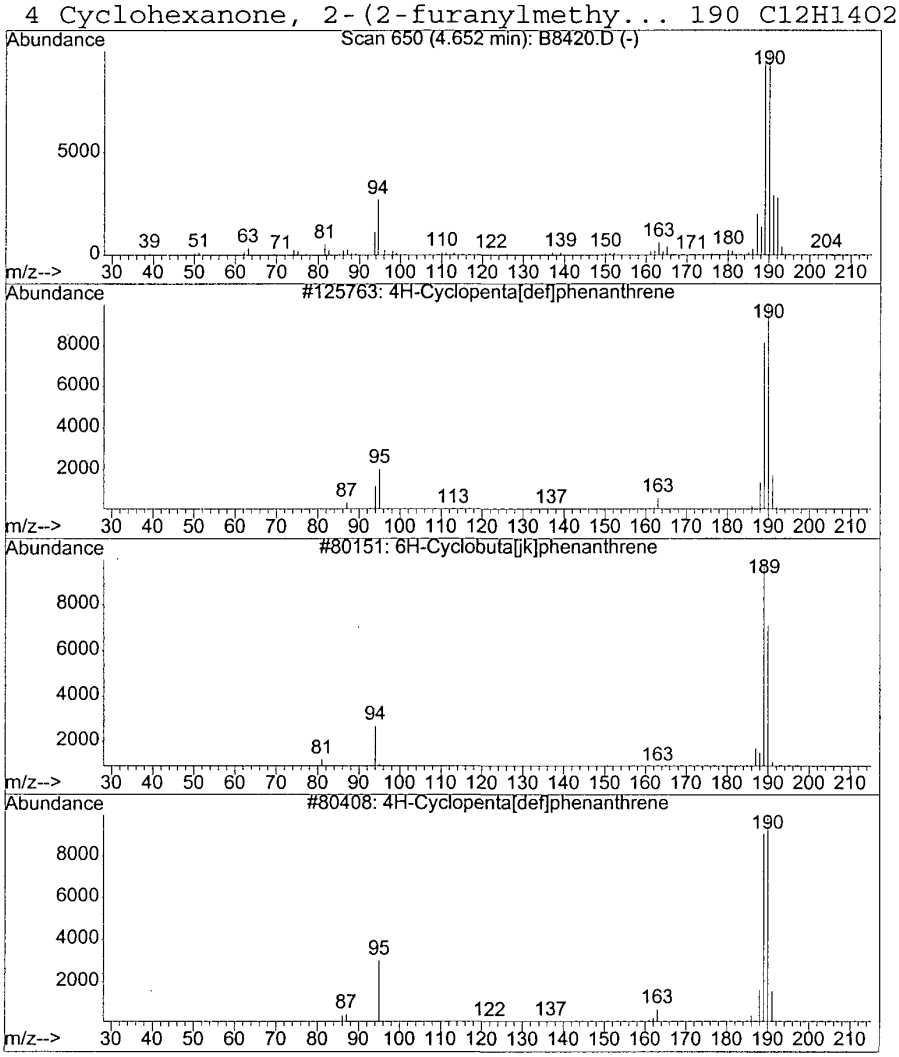
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

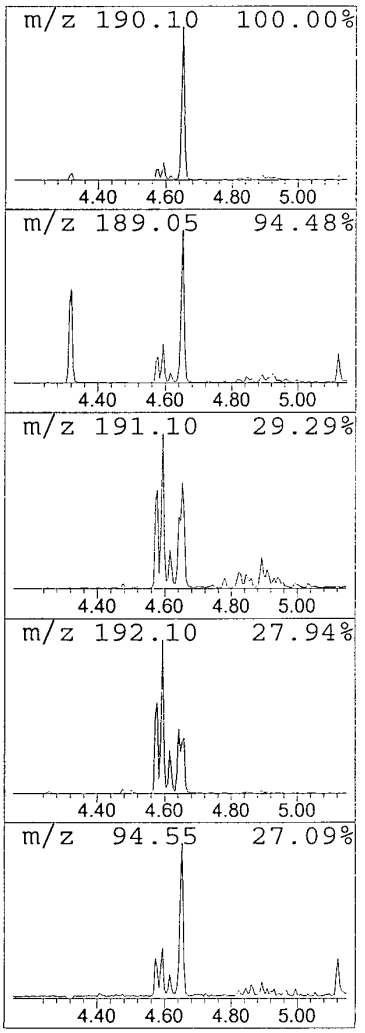
****

Peak Number 4 Unknown aromatic Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	16.01 UG	253090	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





0349

303189

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

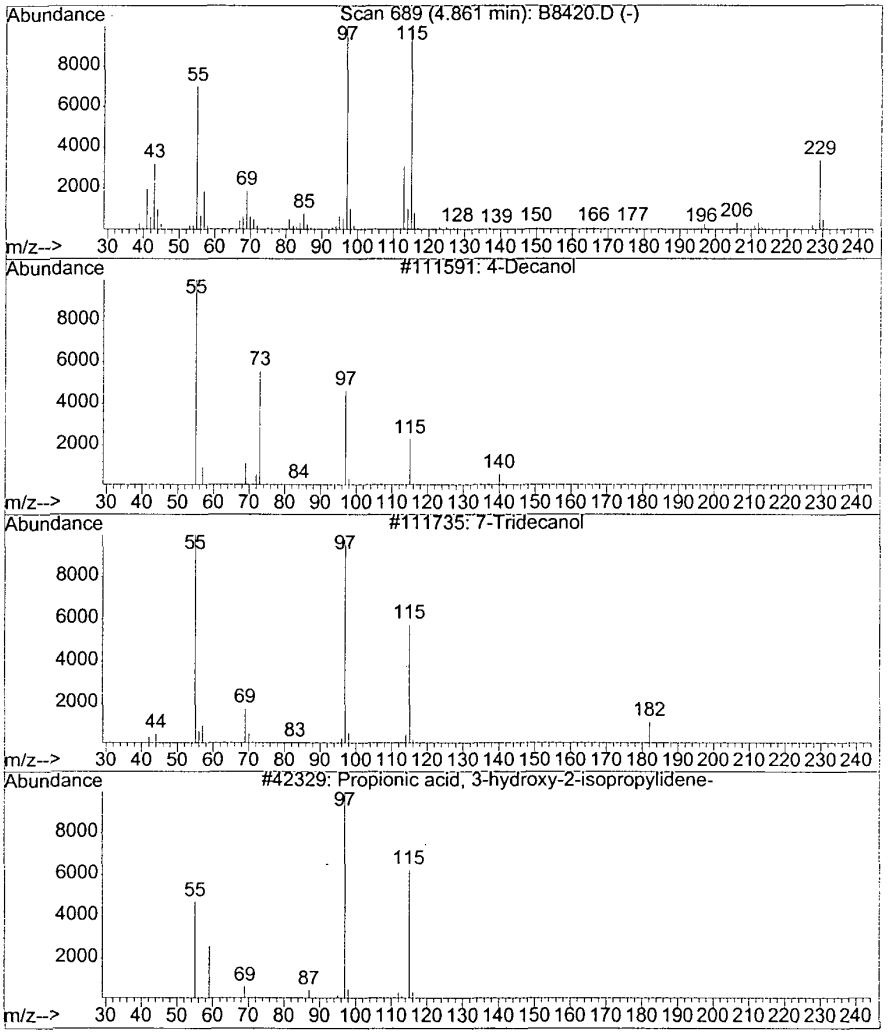
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

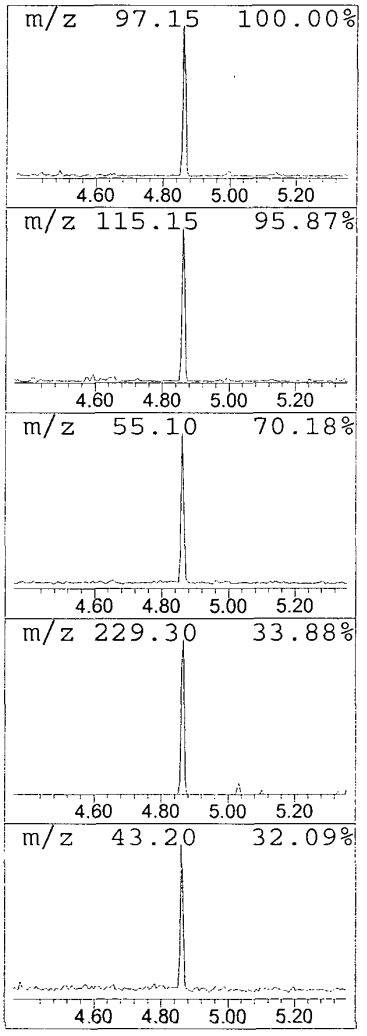
****

Peak Number 5 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	4.72 UG	74552	Phenanthrene-d10	4.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decanol	158	C10H22O	002051-31-2	50
2	7-Tridecanol	200	C13H28O	000927-45-7	47
3	Propionic acid, 3-hydroxy-2-isop...	130	C6H10O3	1000153-27-1	45
4	7-Tridecanol	200	C13H28O	000927-45-7	43





0350

303190

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

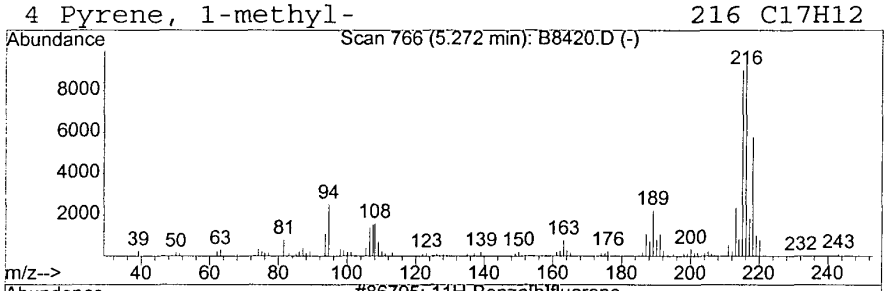
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

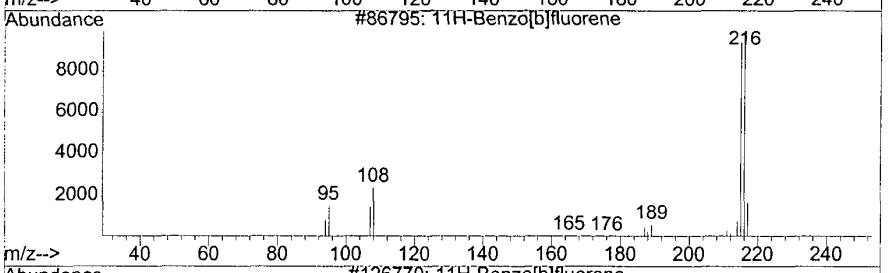
****

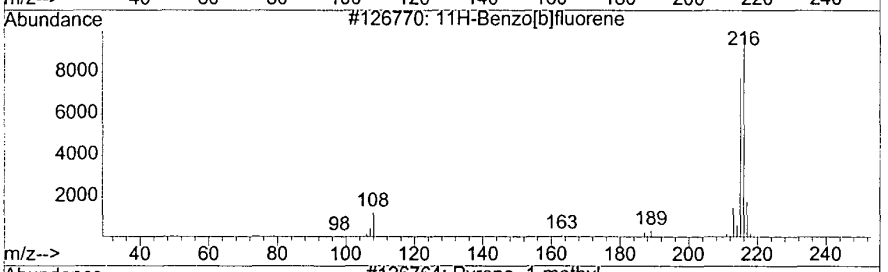
Peak Number 6 Unknown aromatic Concentration Rank 9

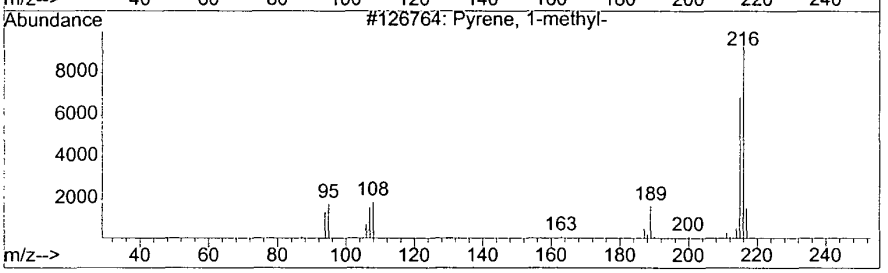
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	4.76 UG	75699	Chrysene-d12	6.10

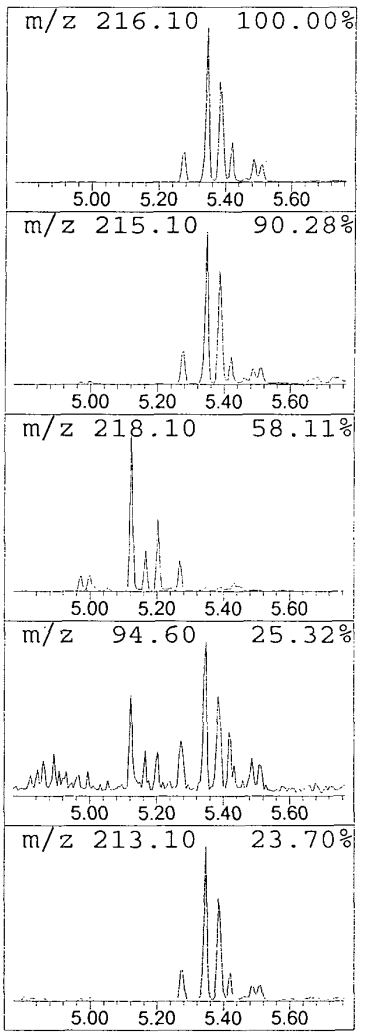
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83











0351

303191

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 Multiplr: 1.00
MS Integration Params: LSCINT.P

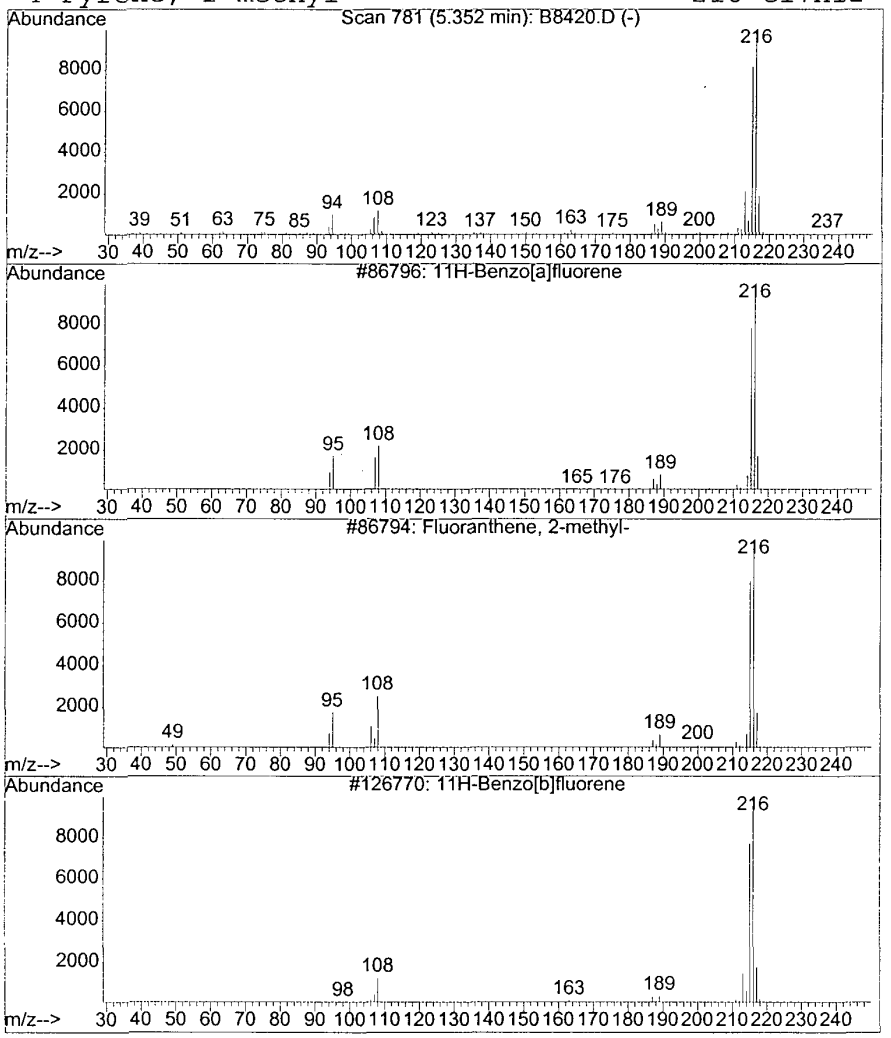
Quant Method : C:\MSDCHEM\1\METHODS\BS0303.M (RTE Integrator)
Title : BNA CALIBRATION METHOD
Library : C:\DATABASE\NIST98.L

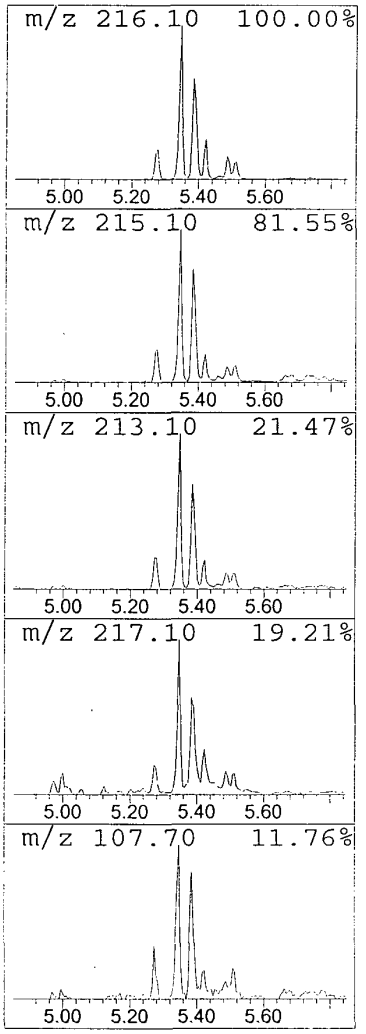
****

Peak Number 7 Unknown aromatic Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.35	10.00 UG	159101	Chrysene-d12	6.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





0352

303192

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 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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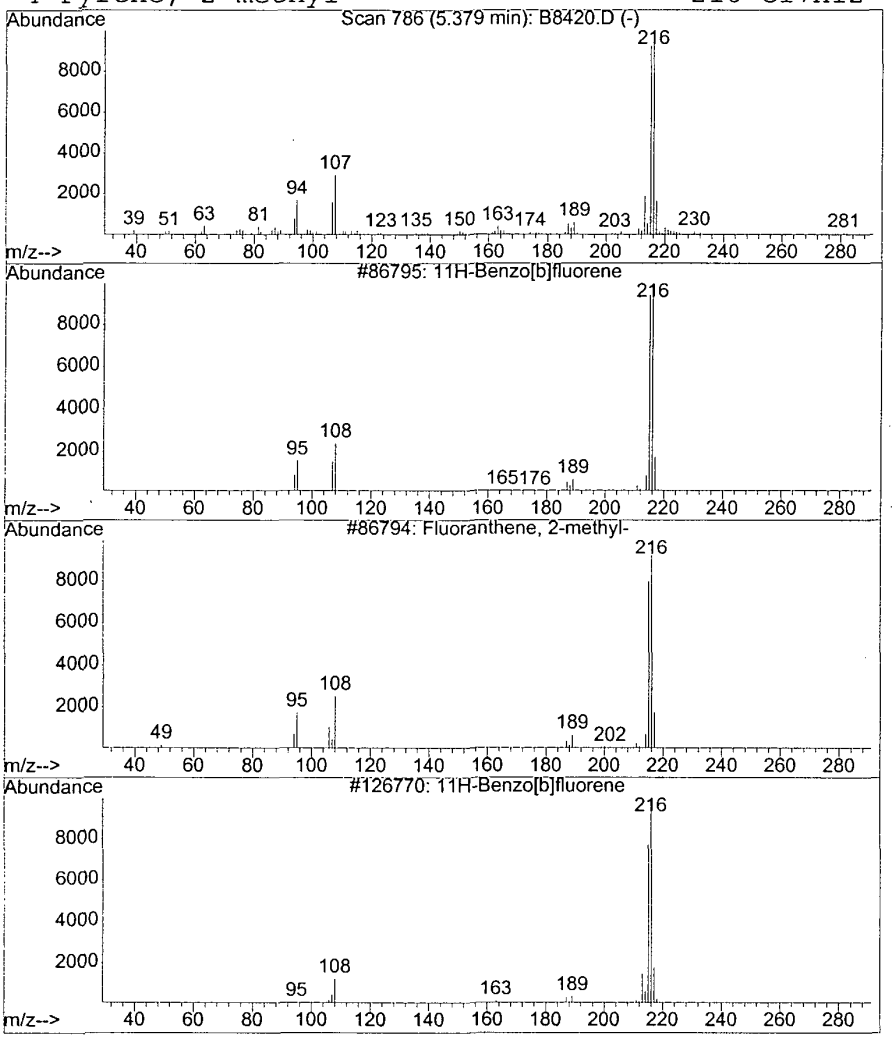
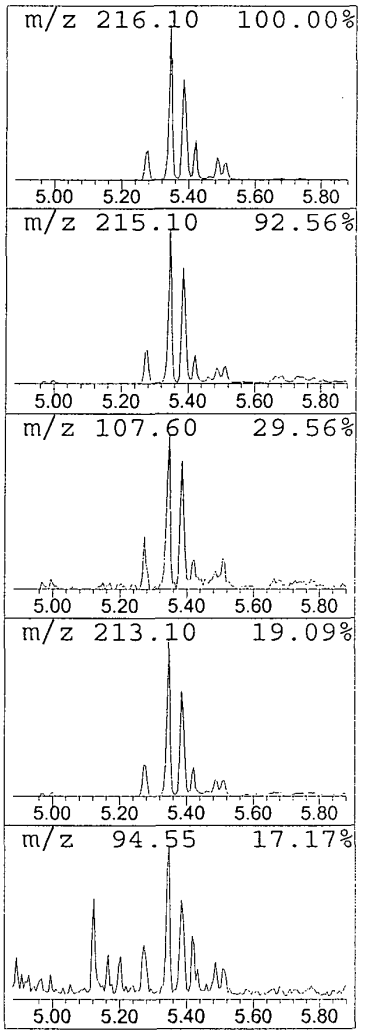
Peak Number 8 Unknown aromatic Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.38	8.56 UG	136223	Chrysene-d12	6.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





0353

303193

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 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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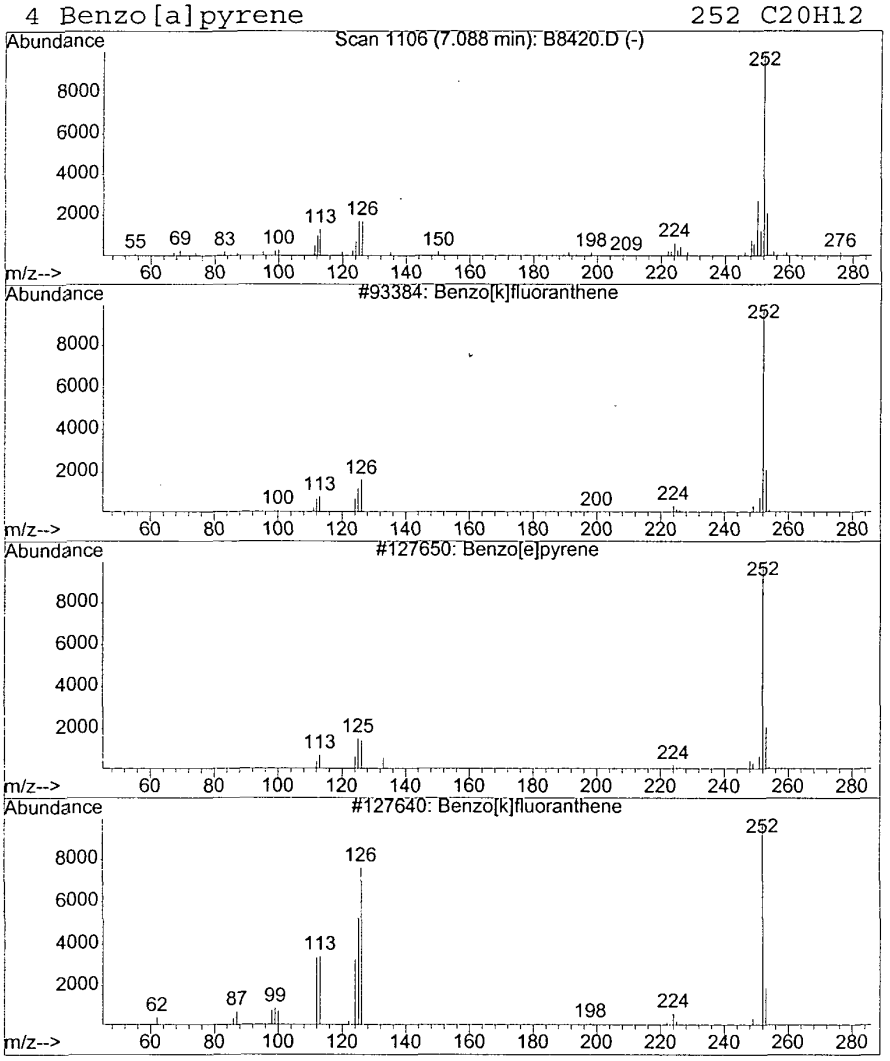
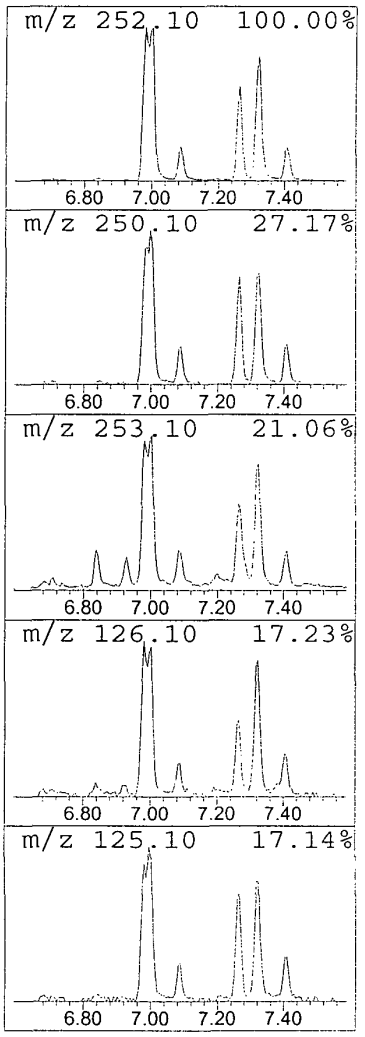
Peak Number 9 Unknown aromatic Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	4.80 UG	26282	Perylene-d12	7.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93





0354

303194

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 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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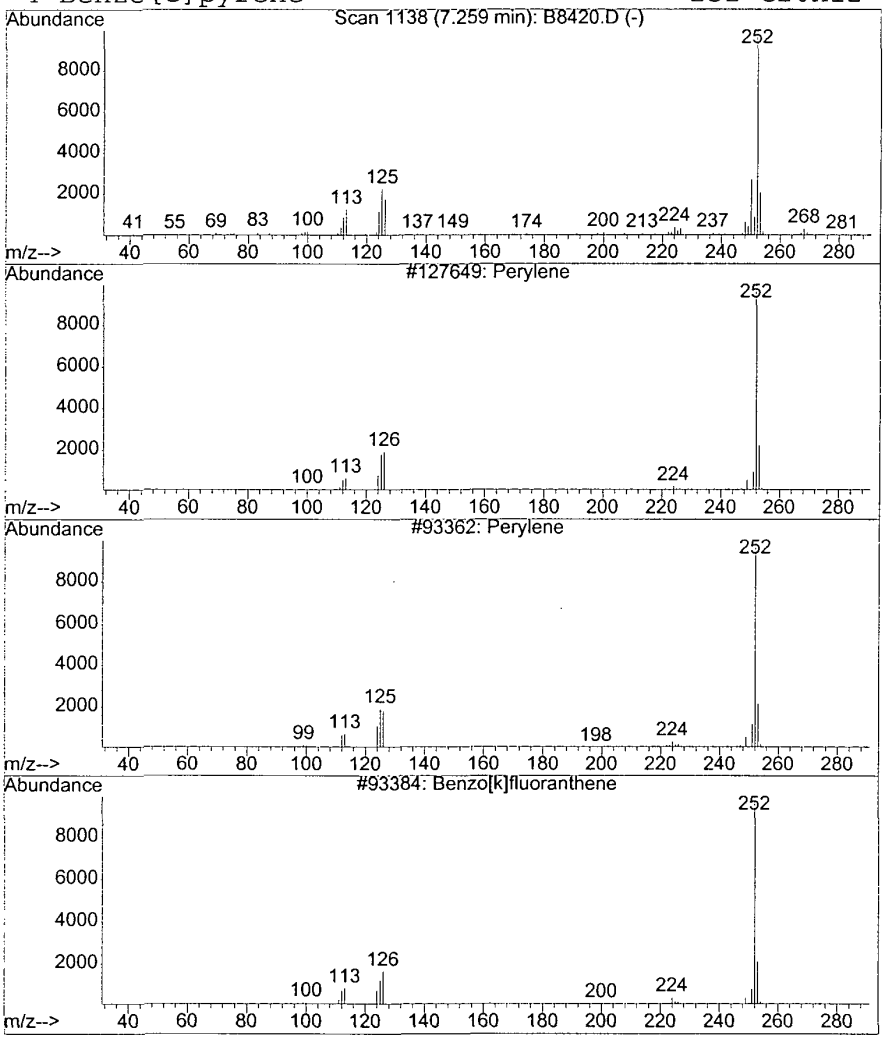
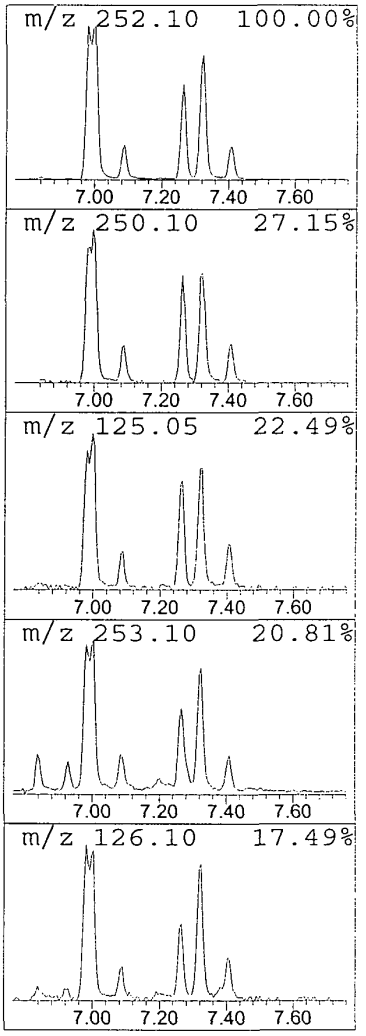
Peak Number 10 Unknown aromatic Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	13.88 UG	76041	Perylene-d12	7.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Perylene	252	C20H12	000198-55-0	99
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
4	Benzo[e]pyrene	252	C20H12	000192-97-2	98





0355

303195

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-27-03\B8420.D Vial: 42
Acq On : 27 Feb 2003 9:35 Operator: JC
Sample : SB-T28-15.5/,01398-010,S,10.01g,17.3,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,40 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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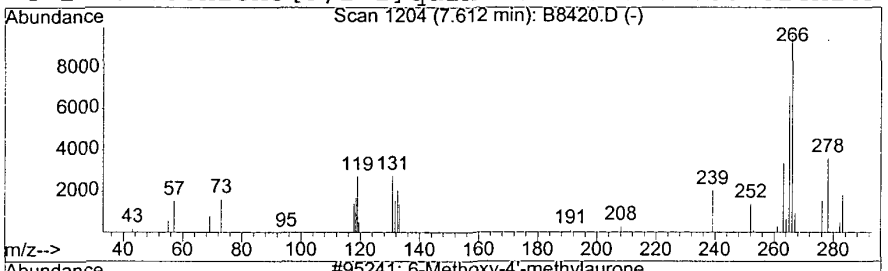
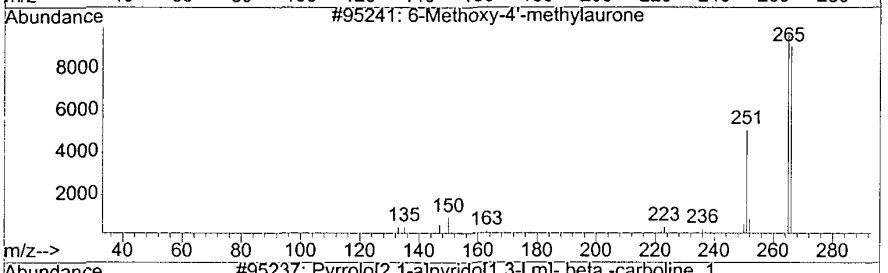
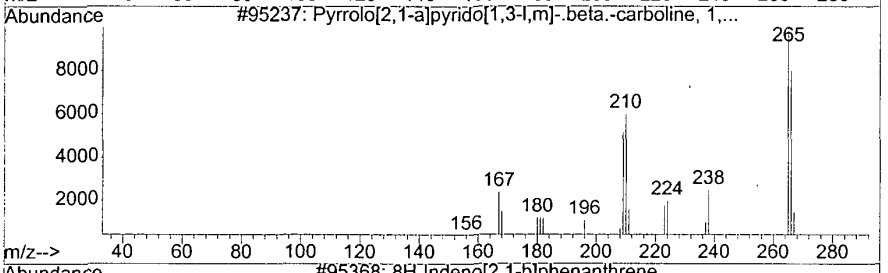
Peak Number 11 Unknown aromatic Concentration Rank 11

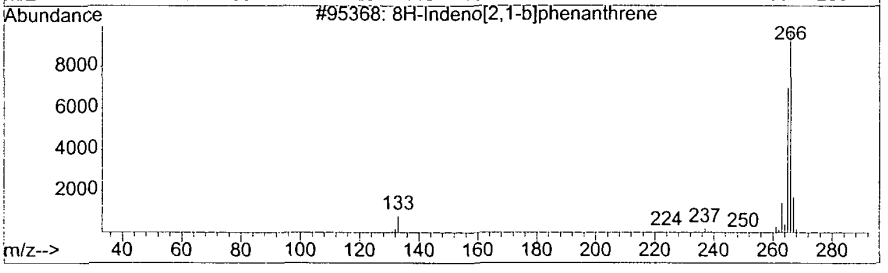
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	4.10 UG	22452	Perylene-d12	7.38

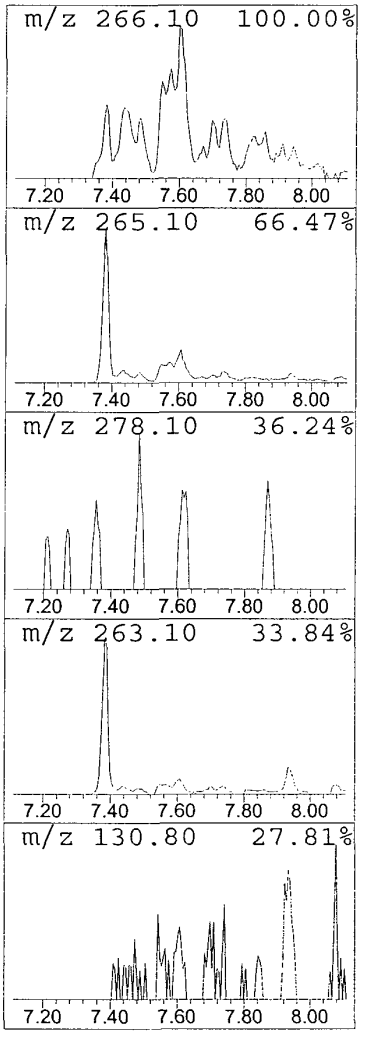
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methoxy-4'-methylaurone	266	C17H14O3	077764-87-5	53
2	Pyrrolo[2,1-a]pyrido[1,3-l,m]-.b...	266	C17H18N2O	1000137-92-1	50
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
4	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	1000214-48-8	33











0356

303196

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8387.D Vial: 44
Acq On : 26 Feb 2003 17:10 Operator: JC
Sample : SB-T28-37.5/,01398-012,S,10.65g,15.7,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 17:20:07 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	64604	40.00 UG	0.00
23) Naphthalene-d8	2.93	136	237098	40.00 UG	0.00
43) Acenaphthene-d10	3.68	164	125277	40.00 UG	-0.01
66) Phenanthrene-d10	4.34	188	199770	40.00 UG	0.00
82) Chrysene-d12	6.12	240	107762	40.00 UG	-0.02
92) Perylene-d12	7.41	264	76189	40.00 UG	-0.02

System Monitoring Compounds					
4) 2-Fluorophenol	1.87	112	115445	64.32 UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 64.32%		
6) Phenol-d5	2.21	99	164439	72.04 UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 72.04%		
24) Nitrobenzene-d5	2.62	82	76534	37.44 UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 74.88%		
47) 2-Fluorobiphenyl	3.38	172	149120	41.52 UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 83.04%		
70) 2,4,6-Tribromophenol	4.02	330	47115	90.54 UG	-0.01
Spiked Amount 100.000	Range 53 - 141		Recovery = 90.54%		
84) Terphenyl-d14	5.22	244	140539	59.55 UG	0.00
Spiked Amount 50.000	Range 42 - 134		Recovery = 119.10%		

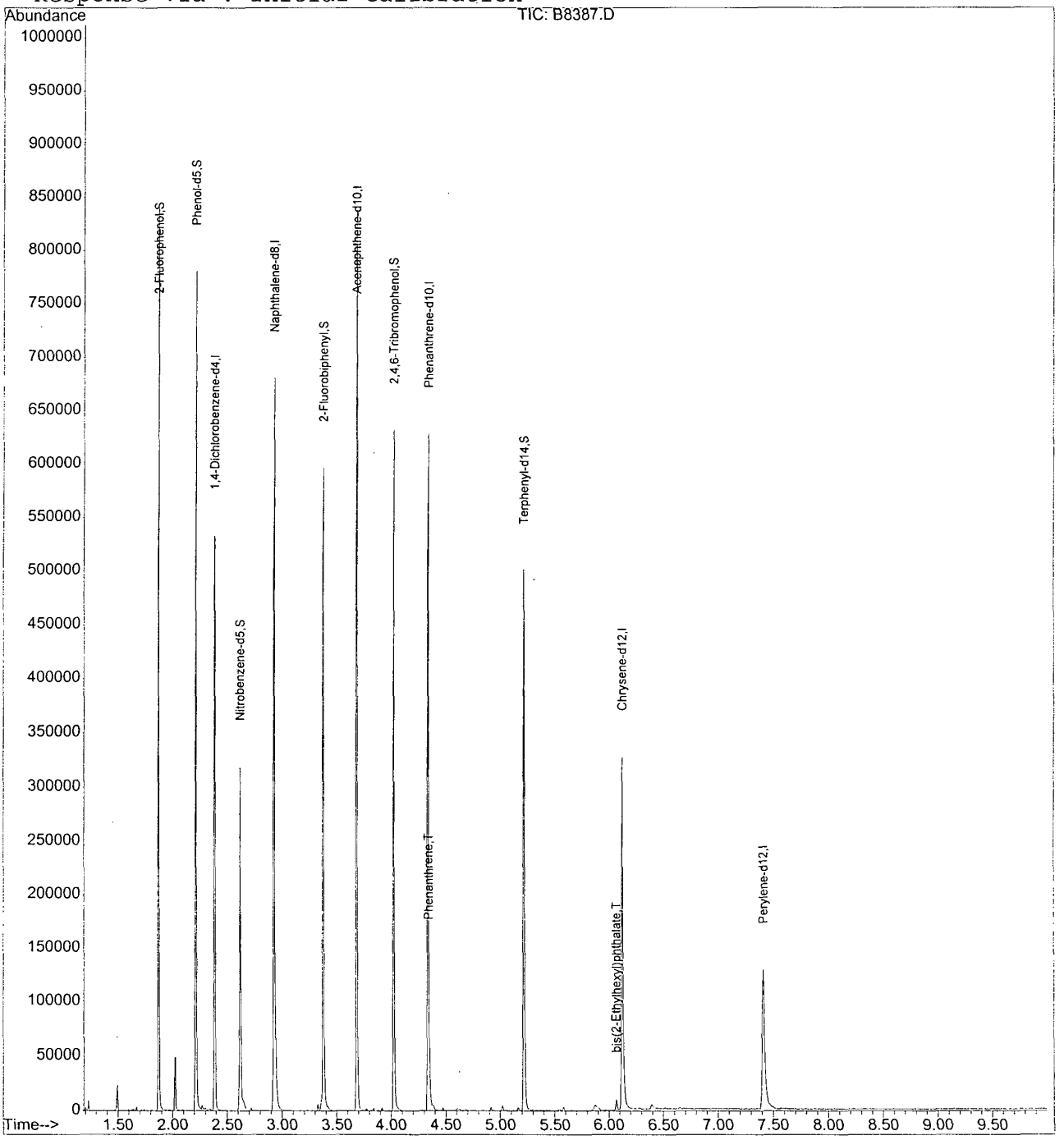
Target Compounds						Qvalue
75) Phenanthrene	4.35	178	4381	1.12 UG		99
90) bis(2-Ethylhexyl)phthalate	6.07	149	2323	1.22 UG	#	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8387.D Vial: 44
Acq On : 26 Feb 2003 17:10 Operator: JC
Sample : SB-T28-37.5/,01398-012,S,10.65g,15.7,02/ Inst : MSD_B
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 10:41 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



0358

303198

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-26-03\B8387.D          Vial: 44
Acq On    : 26 Feb 2003  17:10                     Operator: JC
Sample    : SB-T28-37.5/,01398-012,S,10.65g,15.7,02/ Inst    : MSD_B
Misc      : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1   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

****

B8387.D BS0303.M Thu Feb 27 12:45:56 2003 RPT1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8366.D Vial: 92
Acq On : 26 Feb 2003 11:41 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 11:51:34 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	73386	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	289074	40.00	UG	0.00
43) Acenaphthene-d10	3.68	164	148306	40.00	UG	0.00
66) Phenanthrene-d10	4.34	188	248691	40.00	UG	0.00
82) Chrysene-d12	6.12	240	146272	40.00	UG	-0.02
92) Perylene-d12	7.41	264	81985	40.00	UG	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	149682	75.52	UG	0.00
Spiked Amount 100.000	Range 43 - 108		Recovery = 75.52%			
6) Phenol-d5	2.21	99	210191	81.08	UG	0.00
Spiked Amount 100.000	Range 45 - 108		Recovery = 81.08%			
24) Nitrobenzene-d5	2.62	82	93183	41.33	UG	0.00
Spiked Amount 50.000	Range 43 - 109		Recovery = 82.66%			
47) 2-Fluorobiphenyl	3.38	172	182530	44.09	UG	0.00
Spiked Amount 50.000	Range 52 - 116		Recovery = 88.18%			
70) 2,4,6-Tribromophenol	4.02	330	59994	97.19	UG	0.00
Spiked Amount 100.000	Range 46 - 131		Recovery = 97.19%			
84) Terphenyl-d14	5.21	244	176929	57.37	UG	-0.01
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.74%			

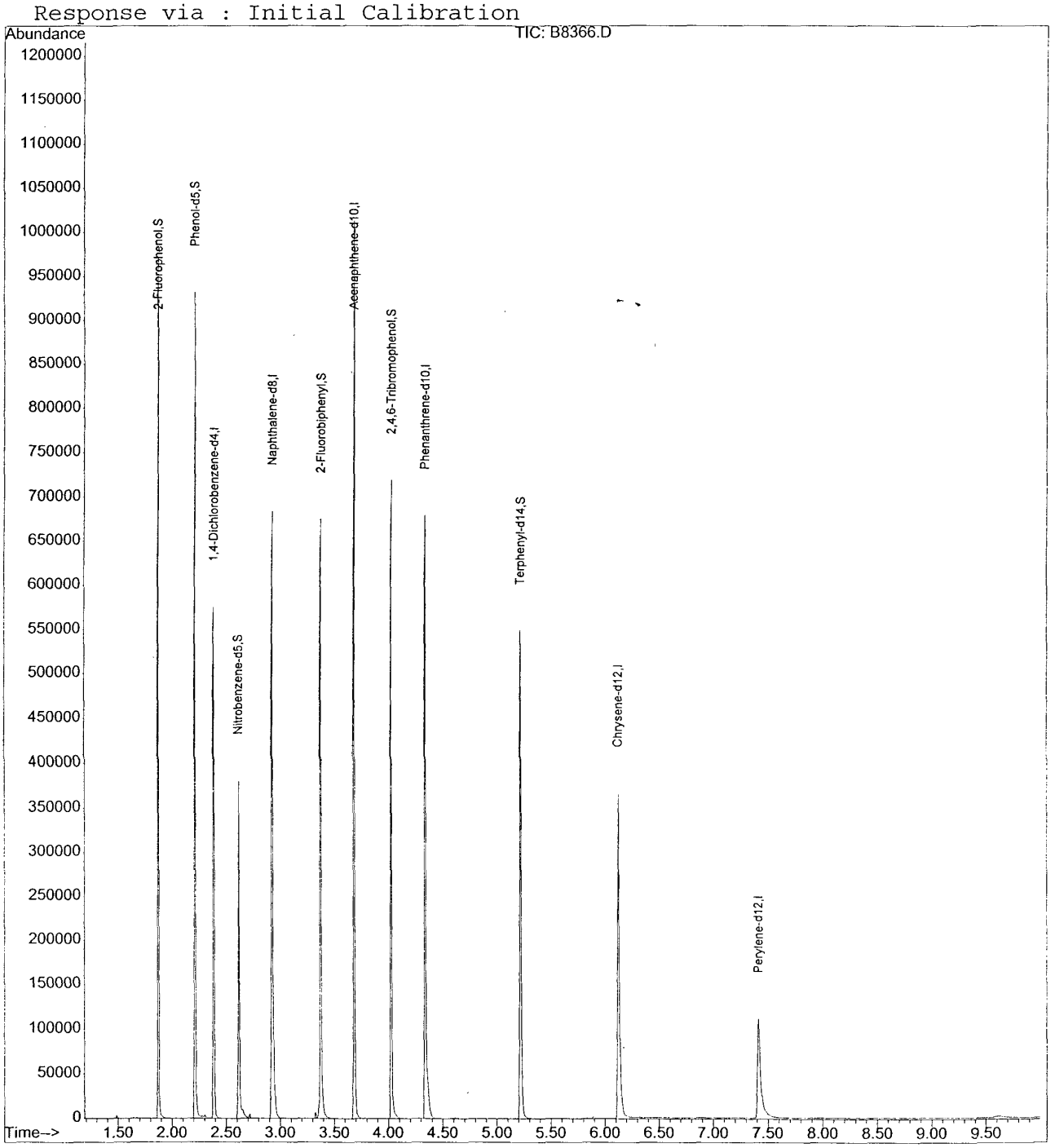
Target Compounds Qvalue

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8366.D Vial: 92
Acq On : 26 Feb 2003 11:41 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Feb 26 12:11 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



0361

303201

Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8366.D Vial: 92
Acq On : 26 Feb 2003 11:41 Operator: JC
Sample : .,Method-blk,A,1000mL,100,02/26/03 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

****
B8366.D BW0203.M Wed Feb 26 12:14:29 2003 RPT1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8378.D Vial: 26
Acq On : 26 Feb 2003 14:50 Operator: JC
Sample : .,Method-blk,S,30g,0,02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 26 15:00:58 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	2.38	152	71276	40.00	UG	0.00
23) Naphthalene-d8	2.93	136	262488	40.00	UG	0.00
43) Acenaphthene-d10	3.69	164	150140	40.00	UG	0.00
66) Phenanthrene-d10	4.34	188	235118	40.00	UG	0.00
82) Chrysene-d12	6.13	240	129702	40.00	UG	-0.01
92) Perylene-d12	7.42	264	77261	40.00	UG	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	1.87	112	155467	78.51	UG	0.00
Spiked Amount 100.000	Range 36 - 108		Recovery = 78.51%			
6) Phenol-d5	2.21	99	210734	83.68	UG	-0.01
Spiked Amount 100.000	Range 46 - 106		Recovery = 83.68%			
24) Nitrobenzene-d5	2.62	82	84522	37.35	UG	0.00
Spiked Amount 50.000	Range 32 - 111		Recovery = 74.70%			
47) 2-Fluorobiphenyl	3.38	172	173484	40.31	UG	0.00
Spiked Amount 50.000	Range 36 - 136		Recovery = 80.62%			
70) 2,4,6-Tribromophenol	4.03	330	56007	91.45	UG	0.00
Spiked Amount 100.000	Range 53 - 141		Recovery = 91.45%			
84) Terphenyl-d14	5.22	244	154800	54.50	UG	0.00
Spiked Amount 50.000	Range 42 - 134		Recovery = 109.00%			

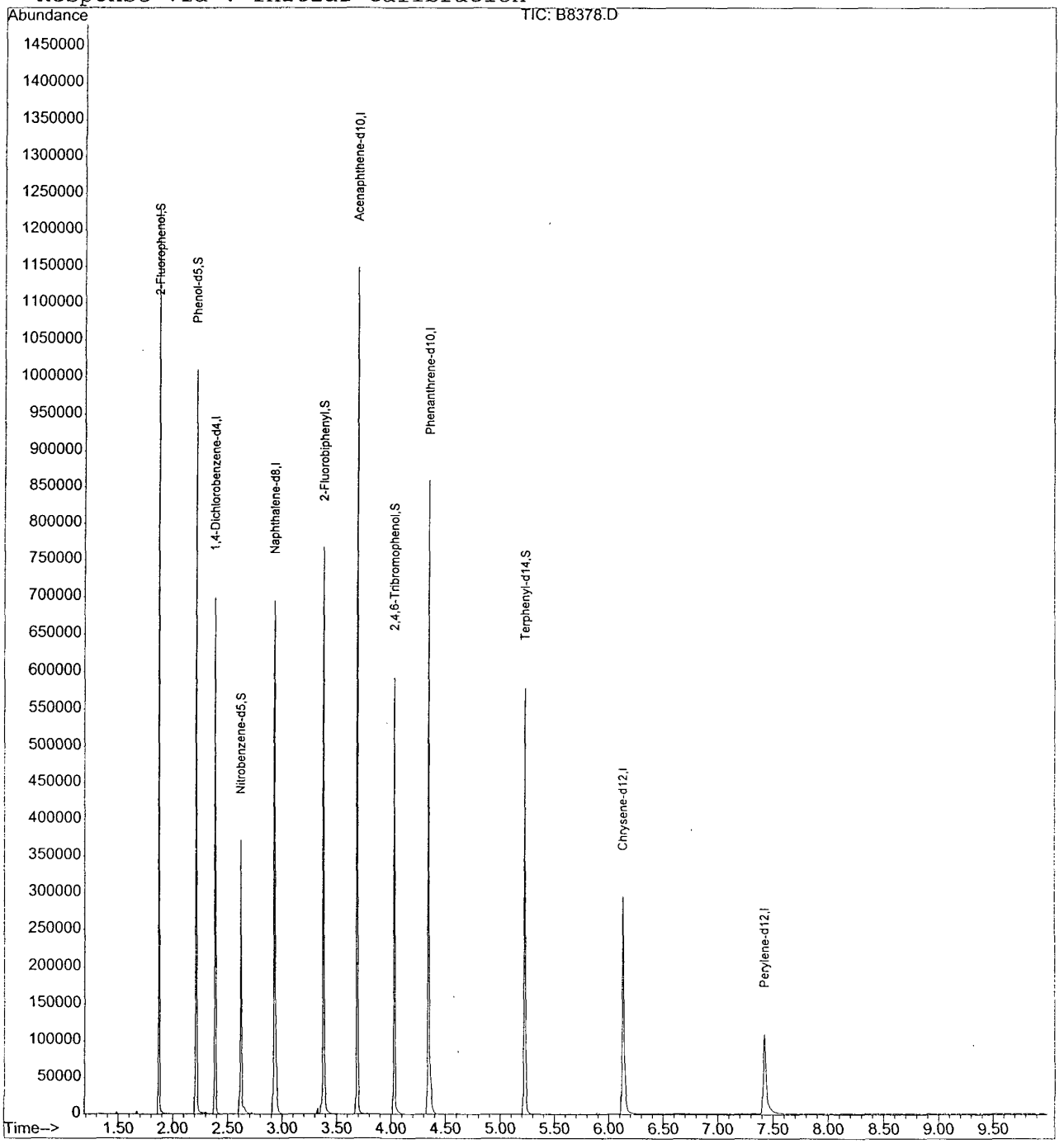
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\02-26-03\B8378.D Vial: 26
Acq On : 26 Feb 2003 14:50 Operator: JC
Sample : .,Method-blk,S,30g,0,02/26/03 Inst : MSD_B
Misc : NA,NA,NA,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 27 7:14 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



0364

303204

Library Search Compound Report

```
Data File : C:\MSDCHEM\1\DATA\02-26-03\B8378.D          Vial: 26
Acq On    : 26 Feb 2003  14:50                       Operator: JC
Sample    : .,Method-blk,S,30g,0,02/26/03            Inst     : MSD_B
Misc      : NA,NA,NA,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

****

B8378.D BS0303.M Thu Feb 27 10:46:23 2003 RPT1

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 METHOD BLANK SUMMARY

Lab File ID: R9681.D

Instrument ID: GC-R

Date Extracted: 02/26/2003

Matrix: SOIL

Date Analyzed: 02/26/2003

Time Analyzed: 16:54

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
WC1	01375-001	02/26/2003	17:20
SB-X13-23.5/23.	01398-005	02/26/2003	18:39
SB-T15-0/0-0.5	01398-006	02/26/2003	19:05
SB-T15-8/8-8.5	01398-007	02/26/2003	19:31
SB-T28-8/8-11	01398-009	02/26/2003	20:24
SB-T28-37.5/37.	01398-012	02/26/2003	21:42
PCB	PBS0226-MS1	02/26/2003	22:09
SB-T28-15.5/15.	01398-010	02/27/2003	12:37
SB-T28-28/28-28	01398-011	02/27/2003	13:59
SB-X13-0/0-	01398-003	02/28/2003	21:39
SB-X13-8/8-	01398-004	02/28/2003	22:05

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0226-BLK1
Client ID: (1375..1398)
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9681.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 METHOD BLANK SUMMARY

Lab File ID: R9696.D

Instrument ID: GC-R

Date Extracted: 02/26/2003

Matrix: AQUEOUS

Date Analyzed: 02/26/2003

Time Analyzed: 23:27

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LBSA0203	01389-001	02/26/2003	23:54
VPM_MID	01393-001	02/27/2003	00:20
VPM_SURFACE	01393-002	02/27/2003	00:46
VPS_SURFACE	01393-003	02/27/2003	01:12
VPS_MID	01393-004	02/27/2003	01:38
VPN_SURFACE	01393-005	02/27/2003	02:05
VPN_MID	01393-006	02/27/2003	02:31
FB	01393-007	02/27/2003	02:57
CONPILE	01376-001	02/27/2003	03:23
FIELD_BLANK	01398-001	02/27/2003	03:49
PCB	01398-001-MS2	02/27/2003	04:16
PCB	01398-001-MSD2	02/27/2003	04:42
PCB	PBW0226-MS2	02/27/2003	05:08

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0226-BLK2
Client ID: (1376.1398)
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: R9696.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: R9529.D

Instrument ID: GC-R

Date Extracted: 02/19/2003

Matrix: SOIL

Date Analyzed: 02/19/2003

Time Analyzed: 17:42

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
STOLTMAN_WASTE	01205-001	02/19/2003	18:09
WC1	01234-001	02/19/2003	18:35
DISCB-1	01241-001	02/19/2003	19:01
WASTE_CLASS	01252-001	02/19/2003	19:27
WC-1	01269-001	02/19/2003	19:54
PCB	01205-001-MS1	02/19/2003	20:20
PCB	01205-001-MSD1	02/19/2003	20:46
PCB	PBS0219-MS1	02/19/2003	21:12

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0219-BLK1
Client ID: (01205..01269)
Date Received: NA
Date Extracted: 02/19/2003
Date Analyzed: 02/19/2003
Data file: R9529.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 METHOD BLANK SUMMARY

Lab File ID: R9720.D Instrument ID: GC-R

Date Extracted: 02/27/2003 Matrix: SOIL

Date Analyzed: 02/27/2003 Time Analyzed: 16:20

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
WC1	01428-001	02/27/2003	16:46
SB-T28-0/0	01398-008	02/27/2003	17:13
PCB	PBS0227-MS1	02/27/2003	17:39

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Client/Project: NA

Lab ID: 0227-BK1
Client ID: (1398.1438)
Date Received: NA
Date Extracted: 02/27/2003
Date Analyzed: 02/27/2003
Data file: R9720.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 WI NDOW 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 WI NDOW 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: 02/26/2003 Instrument ID: GC-R

Data File: R9680.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	224997	10.29
Aroclor-1016 {2}	6.11	6.04	6.18	276844	300156	8.42
Aroclor-1016 {3}	7.07	7.00	7.14	373402	393466	5.37
Aroclor-1016 {4}	7.88	7.81	7.95	191491	203406	6.22
Aroclor-1016 {5}	8.33	8.26	8.40	255445	270032	5.71
Aroclor-1260	13.84	13.77	13.91	814285	852714	4.72
Aroclor-1260 {2}	14.39	14.32	14.46	481908	372313	22.74
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1258616	4.74
Aroclor-1260 {4}	16.93	16.86	17.00	578165	600871	3.93
Aroclor-1260 {5}	18.96	18.89	19.03	333471	330973	0.75
					Average %D	7.29

Data File: R9680.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	308511	9.95
Aroclor-1016 {2}	5.51	5.44	5.58	551635	562926	2.05
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1218194	6.06
Aroclor-1016 {4}	7.03	6.96	7.10	524851	616359	17.43
Aroclor-1016 {5}	7.32	7.25	7.39	439068	469460	6.92
Aroclor-1260	12.64	12.57	12.71	851274	892840	4.88
Aroclor-1260 {2}	13.85	13.78	13.92	696066	701983	0.85
Aroclor-1260 {3}	14.82	14.75	14.89	747645	766750	2.56
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1759876	3.24
Aroclor-1260 {5}	18.81	18.74	18.88	492999	499565	1.33
					Average %D	5.53

PCB CALIBRATION VERIFICATION SUMMARY

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

Data File: R9694.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	215242	5.51
Aroclor-1016 {2}	6.11	6.04	6.18	276844	289535	4.58
Aroclor-1016 {3}	7.07	7.00	7.14	373402	385439	3.22
Aroclor-1016 {4}	7.88	7.81	7.95	191491	198585	3.70
Aroclor-1016 {5}	8.33	8.26	8.40	255445	265919	4.10
Aroclor-1260	13.83	13.76	13.90	814285	845228	3.80
Aroclor-1260 {2}	14.39	14.32	14.46	481908	358433	25.62
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1254205	4.38
Aroclor-1260 {4}	16.92	16.85	16.99	578165	600602	3.88
Aroclor-1260 {5}	18.95	18.88	19.02	333471	322910	3.17
					Average %D	6.20

Data File: R9694.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	309619	10.34
Aroclor-1016 {2}	5.51	5.44	5.58	551635	564021	2.25
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1214797	5.76
Aroclor-1016 {4}	7.03	6.96	7.10	524851	606012	15.46
Aroclor-1016 {5}	7.32	7.25	7.39	439068	461853	5.19
Aroclor-1260	12.64	12.57	12.71	851274	858554	0.86
Aroclor-1260 {2}	13.85	13.78	13.92	696066	681326	2.12
Aroclor-1260 {3}	14.82	14.75	14.89	747645	745339	0.31
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1719806	0.89
Aroclor-1260 {5}	18.81	18.74	18.88	492999	478820	2.88
					Average %D	4.60

PCB CALIBRATION VERIFICATION SUMMARY

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

Data File: R9695.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	200515	1.71
Aroclor-1016 {2}	6.11	6.04	6.18	276844	271007	2.11
Aroclor-1016 {3}	7.07	7.00	7.14	373402	361304	3.24
Aroclor-1016 {4}	7.88	7.81	7.95	191491	185529	3.11
Aroclor-1016 {5}	8.33	8.26	8.40	255445	248749	2.62
Aroclor-1260	13.84	13.77	13.91	814285	813765	0.06
Aroclor-1260 {2}	14.39	14.32	14.46	481908	380934	20.95
Aroclor-1260 {3}	16.01	15.94	16.08	1201619	1192638	0.75
Aroclor-1260 {4}	16.93	16.86	17.00	578165	577010	0.20
Aroclor-1260 {5}	18.95	18.88	19.02	333471	311360	6.63
					Average %D	4.14

Data File: R9695.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	284678	1.45
Aroclor-1016 {2}	5.51	5.44	5.58	551635	522364	5.31
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1128551	1.75
Aroclor-1016 {4}	7.03	6.96	7.10	524851	560442	6.78
Aroclor-1016 {5}	7.31	7.24	7.38	439068	426394	2.89
Aroclor-1260	12.64	12.57	12.71	851274	815696	4.18
Aroclor-1260 {2}	13.85	13.78	13.92	696066	648392	6.85
Aroclor-1260 {3}	14.82	14.75	14.89	747645	703693	5.88
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1631908	4.27
Aroclor-1260 {5}	18.81	18.74	18.88	492999	455116	7.68
					Average %D	4.70

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-R

Data File: R9710.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	203693	0.15
Aroclor-1016 {2}	6.11	6.04	6.18	276844	276475	0.13
Aroclor-1016 {3}	7.07	7.00	7.14	373402	367739	1.52
Aroclor-1016 {4}	7.88	7.81	7.95	191491	188974	1.31
Aroclor-1016 {5}	8.33	8.26	8.40	255445	252547	1.13
Aroclor-1260	13.83	13.76	13.90	814285	809454	0.59
Aroclor-1260 {2}	14.39	14.32	14.46	481908	467834	2.92
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1204317	0.22
Aroclor-1260 {4}	16.93	16.86	17.00	578165	573626	0.79
Aroclor-1260 {5}	18.96	18.89	19.03	333471	316377	5.13
					Average %D	1.39

Data File: R9710.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	286782	2.20
Aroclor-1016 {2}	5.51	5.44	5.58	551635	528141	4.26
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1127153	1.87
Aroclor-1016 {4}	7.03	6.96	7.10	524851	501832	4.39
Aroclor-1016 {5}	7.31	7.24	7.38	439068	428022	2.52
Aroclor-1260	12.64	12.57	12.71	851274	829082	2.61
Aroclor-1260 {2}	13.85	13.78	13.92	696066	674967	3.03
Aroclor-1260 {3}	14.82	14.75	14.89	747645	722637	3.34
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1691656	0.77
Aroclor-1260 {5}	18.81	18.74	18.88	492999	470807	4.50
					Average %D	2.95

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-R

Data File: R9713.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.71	4.64	4.78	203996	202176	0.89
Aroclor-1016 {2}	6.11	6.04	6.18	276844	272320	1.63
Aroclor-1016 {3}	7.06	6.99	7.13	373402	362407	2.94
Aroclor-1016 {4}	7.87	7.80	7.94	191491	186344	2.69
Aroclor-1016 {5}	8.32	8.25	8.39	255445	248723	2.63
Aroclor-1260	13.83	13.76	13.90	814285	803697	1.30
Aroclor-1260 {2}	14.38	14.31	14.45	481908	466447	3.21
Aroclor-1260 {3}	16.01	15.94	16.08	1201619	1197758	0.32
Aroclor-1260 {4}	16.92	16.85	16.99	578165	573677	0.78
Aroclor-1260 {5}	18.95	18.88	19.02	333471	309017	7.33
					Average %D	2.37

Data File: R9713.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.62	4.55	4.69	280598	282385	0.64
Aroclor-1016 {2}	5.51	5.44	5.58	551635	518463	6.01
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1099773	4.25
Aroclor-1016 {4}	7.03	6.96	7.10	524851	559267	6.56
Aroclor-1016 {5}	7.31	7.24	7.38	439068	422407	3.79
Aroclor-1260	12.64	12.57	12.71	851274	807373	5.16
Aroclor-1260 {2}	13.85	13.78	13.92	696066	655704	5.80
Aroclor-1260 {3}	14.82	14.75	14.89	747645	700375	6.32
Aroclor-1260 {4}	15.76	15.69	15.83	1704715	1619626	4.99
Aroclor-1260 {5}	18.81	18.74	18.88	492999	455318	7.64
					Average %D	5.12

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-R

Data File: R9718.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	200235	1.84
Aroclor-1016 {2}	6.11	6.04	6.18	276844	271204	2.04
Aroclor-1016 {3}	7.07	7.00	7.14	373402	360771	3.38
Aroclor-1016 {4}	7.88	7.81	7.95	191491	186322	2.70
Aroclor-1016 {5}	8.33	8.26	8.40	255445	248700	2.64
Aroclor-1260	13.84	13.77	13.91	814285	791430	2.81
Aroclor-1260 {2}	14.39	14.32	14.46	481908	655192	35.96
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1170937	2.55
Aroclor-1260 {4}	16.93	16.86	17.00	578165	561532	2.88
Aroclor-1260 {5}	18.96	18.89	19.03	333471	333617	0.04
					Average %D	5.68

Data File: R9718.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	281112	0.18
Aroclor-1016 {2}	5.51	5.44	5.58	551635	520404	5.66
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1129097	1.70
Aroclor-1016 {4}	7.03	6.96	7.10	524851	502589	4.24
Aroclor-1016 {5}	7.32	7.25	7.39	439068	422892	3.68
Aroclor-1260	12.65	12.58	12.72	851274	814948	4.27
Aroclor-1260 {2}	13.85	13.78	13.92	696066	655083	5.89
Aroclor-1260 {3}	14.82	14.75	14.89	747645	704936	5.71
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1629947	4.39
Aroclor-1260 {5}	18.81	18.74	18.88	492999	453265	8.06
					Average %D	4.38

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-R

Data File: R9719.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.71	4.64	4.78	203996	201048	1.45
Aroclor-1016 {2}	6.10	6.03	6.17	276844	273558	1.19
Aroclor-1016 {3}	7.06	6.99	7.13	373402	368532	1.30
Aroclor-1016 {4}	7.87	7.80	7.94	191491	189826	0.87
Aroclor-1016 {5}	8.32	8.25	8.39	255445	253063	0.93
Aroclor-1260	13.83	13.76	13.90	814285	802465	1.45
Aroclor-1260 {2}	14.38	14.31	14.45	481908	468424	2.80
Aroclor-1260 {3}	16.01	15.94	16.08	1201619	1208173	0.55
Aroclor-1260 {4}	16.92	16.85	16.99	578165	578473	0.05
Aroclor-1260 {5}	18.95	18.88	19.02	333471	320120	4.00
					Average %D	1.46

Data File: R9719.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	4.64	4.57	4.71	280598	285536	1.76
Aroclor-1016 {2}	5.52	5.45	5.59	551635	523108	5.17
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1133912	1.28
Aroclor-1016 {4}	7.04	6.97	7.11	524851	563024	7.27
Aroclor-1016 {5}	7.33	7.26	7.40	439068	427700	2.59
Aroclor-1260	12.65	12.58	12.72	851274	820193	3.65
Aroclor-1260 {2}	13.86	13.79	13.93	696066	658047	5.46
Aroclor-1260 {3}	14.83	14.76	14.90	747645	713415	4.58
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1688773	0.94
Aroclor-1260 {5}	18.82	18.75	18.89	492999	459069	6.88
					Average %D	3.96

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-R

Data File: R9724.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	206973	1.46
Aroclor-1016 {2}	6.11	6.04	6.18	276844	278853	0.73
Aroclor-1016 {3}	7.07	7.00	7.14	373402	371337	0.55
Aroclor-1016 {4}	7.88	7.81	7.95	191491	191312	0.09
Aroclor-1016 {5}	8.33	8.26	8.40	255445	256412	0.38
Aroclor-1260	13.84	13.77	13.91	814285	811115	0.39
Aroclor-1260 {2}	14.39	14.32	14.46	481908	472361	1.98
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1202916	0.11
Aroclor-1260 {4}	16.93	16.86	17.00	578165	576350	0.31
Aroclor-1260 {5}	18.96	18.89	19.03	333471	314228	5.77
					Average %D	1.18

Data File: R9724.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	297236	5.93
Aroclor-1016 {2}	5.52	5.45	5.59	551635	541685	1.80
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1170187	1.88
Aroclor-1016 {4}	7.03	6.96	7.10	524851	529735	0.93
Aroclor-1016 {5}	7.32	7.25	7.39	439068	444843	1.32
Aroclor-1260	12.65	12.58	12.72	851274	844152	0.84
Aroclor-1260 {2}	13.85	13.78	13.92	696066	679921	2.32
Aroclor-1260 {3}	14.82	14.75	14.89	747645	730414	2.30
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1684445	1.19
Aroclor-1260 {5}	18.82	18.75	18.89	492999	474692	3.71
					Average %D	2.22

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/28/2003 Instrument ID: GC-R

Data File: R9761.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	206775	1.36
Aroclor-1016 {2}	6.11	6.04	6.18	276844	278958	0.76
Aroclor-1016 {3}	7.07	7.00	7.14	373402	371168	0.60
Aroclor-1016 {4}	7.88	7.81	7.95	191491	190683	0.42
Aroclor-1016 {5}	8.33	8.26	8.40	255445	256034	0.23
Aroclor-1260	13.84	13.77	13.91	814285	812461	0.22
Aroclor-1260 {2}	14.39	14.32	14.46	481908	475774	1.27
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1201098	0.04
Aroclor-1260 {4}	16.93	16.86	17.00	578165	573521	0.80
Aroclor-1260 {5}	18.96	18.89	19.03	333471	312286	6.35
					Average %D	1.21

Data File: R9761.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	296011	5.49
Aroclor-1016 {2}	5.51	5.44	5.58	551635	538111	2.45
Aroclor-1016 {3}	6.70	6.63	6.77	1148642	1156761	0.71
Aroclor-1016 {4}	7.03	6.96	7.10	524851	583839	11.24
Aroclor-1016 {5}	7.32	7.25	7.39	439068	440172	0.25
Aroclor-1260	12.64	12.57	12.71	851274	839948	1.33
Aroclor-1260 {2}	13.85	13.78	13.92	696066	680371	2.25
Aroclor-1260 {3}	14.82	14.75	14.89	747645	728730	2.53
Aroclor-1260 {4}	15.77	15.70	15.84	1704715	1690906	0.81
Aroclor-1260 {5}	18.82	18.75	18.89	492999	475523	3.54
					Average %D	3.06

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/28/2003 Instrument ID: GC-R

Data File: R9764.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	207194	1.57
Aroclor-1016 {2}	6.11	6.04	6.18	276844	279877	1.10
Aroclor-1016 {3}	7.07	7.00	7.14	373402	372229	0.31
Aroclor-1016 {4}	7.88	7.81	7.95	191491	192340	0.44
Aroclor-1016 {5}	8.33	8.26	8.40	255445	257167	0.67
Aroclor-1260	13.83	13.76	13.90	814285	809543	0.58
Aroclor-1260 {2}	14.39	14.32	14.46	481908	562126	16.65
Aroclor-1260 {3}	16.02	15.95	16.09	1201619	1181581	1.67
Aroclor-1260 {4}	16.93	16.86	17.00	578165	561953	2.80
Aroclor-1260 {5}	18.95	18.88	19.02	333471	322076	3.42
					Average %D	2.92

Data File: R9764.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	294390	4.92
Aroclor-1016 {2}	5.51	5.44	5.58	551635	538099	2.45
Aroclor-1016 {3}	6.69	6.62	6.76	1148642	1162968	1.25
Aroclor-1016 {4}	7.03	6.96	7.10	524851	579582	10.43
Aroclor-1016 {5}	7.31	7.24	7.38	439068	438929	0.03
Aroclor-1260	12.64	12.57	12.71	851274	830098	2.49
Aroclor-1260 {2}	13.85	13.78	13.92	696066	665504	4.39
Aroclor-1260 {3}	14.82	14.75	14.89	747645	718032	3.96
Aroclor-1260 {4}	15.76	15.69	15.83	1704715	1665745	2.29
Aroclor-1260 {5}	18.81	18.74	18.88	492999	461774	6.33
					Average %D	3.85

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	#
(1375..1398)	0226-BLK1	SOIL	63		39		62		46	
WC1	01375-001	SOIL	59		41		58		49	
SB-X13-23.5/23.	01398-005	SOIL	42		28	*	43		55	
SB-T15-0/0-0.5	01398-006	SOIL	30		24	*	31		26	*
SB-T15-8/8-8.5	01398-007	SOIL	69		44		68		52	
SB-T28-8/8-11	01398-009	SOIL	65		41		64		47	
SB-T28-37.5/37.	01398-012	SOIL	60		42		59		84	
PCB	PBS0226-MS1	SOIL	65		41		62		46	

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	#
(1376.1398)	0226-BLK2	AQUEOUS	57		36		56		41	
LBSA0203	01389-001	AQUEOUS	59		49		64		57	
VPM_MID	01393-001	AQUEOUS	49		46		49		52	
VPM_SURFACE	01393-002	AQUEOUS	45		48		50		53	
VPS_SURFACE	01393-003	AQUEOUS	44		43		50		51	
VPS_MID	01393-004	AQUEOUS	52		49		58		56	
VPN_SURFACE	01393-005	AQUEOUS	38		45		44		52	
VPN_MID	01393-006	AQUEOUS	44		45		49		52	
FB	01393-007	AQUEOUS	59		43		66		50	
CONPILE	01376-001	AQUEOUS	54		44		57		50	
FIELD_BLANK	01398-001	AQUEOUS	53		39		60		44	
PCB	01398-001-MS2	AQUEOUS	48		31		46		35	
PCB	01398-001-MSD2	AQUEOUS	64		41		62		46	
PCB	PBW0226-MS2	AQUEOUS	62		40		60		45	

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	#
SB-T28-15.5/15.	01398-010	SOIL	56		39		60		44	
SB-T28-28/28-28	01398-011	SOIL	52		39		52		44	

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: 02/27/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(1398.1438)	0227-BK1	SOIL	64		40		62		46	
WC1	01428-001	SOIL	49		39		49		45	
SB-T28-0/0	01398-008	SOIL	71		43		70		50	
PCB	PBS0227-MS1	SOIL	65		40		64		47	

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: 02/28/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
SB-X13-0/0-	01398-003	SOIL	69		41		68		48	
SB-X13-8/8-	01398-004	SOIL	48		35		48		41	

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

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: PBS0226-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	4.5	90	58 - 140
Aroclor-1260	5.0	0.0	4.8	96	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

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01398-001-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	4.5	90	0	15	52 - 141
Aroclor-1260	0.0	4.9	98	0	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: PBW0226-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	4.6	92	52 - 141
Aroclor-1260	5.0	0.0	5.0	100	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: 01205-001-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	3.5	70	58 - 140
Aroclor-1260	5.0	0.0	4.3	86	56 - 161

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD %. # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	3.5	70	0	14	58 - 140
Aroclor-1260	0.0	4.3	86	0	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: PBS0227-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	4.6	92	58 - 140
Aroclor-1260	5.0	0.0	5.0	100	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	#
(1375..1398)	0226-BLK1	02/26/2003	16:54	3.97		21.04		3.42		20.01	
WC1	01375-001	02/26/2003	17:20	3.97		21.04		3.42		20.01	
SB-X13-23.5/23.	01398-005	02/26/2003	18:39	3.97		21.04		3.42		20.01	
SB-T15-0/0-0.5	01398-006	02/26/2003	19:05	3.97		21.04		3.42		20.01	
SB-T15-8/8-8.5	01398-007	02/26/2003	19:31	3.97		21.04		3.42		20.01	
SB-T28-8/8-11	01398-009	02/26/2003	20:24	3.97		21.04		3.42		20.01	
SB-T28-37.5/37.	01398-012	02/26/2003	21:42	3.97		21.04		3.42		20.01	
PCB	PBS0226-MS1	02/26/2003	22:09	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 3.97 **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	#
(1376.1398)	0226-BLK2	02/26/2003	23:27	3.97		21.04		3.42		20.01	
LBSA0203	01389-001	02/26/2003	23:54	3.97		21.04		3.42		20.01	
VPM_MID	01393-001	02/27/2003	00:20	3.97		21.04		3.42		20.01	
VPM_SURFACE	01393-002	02/27/2003	00:46	3.97		21.04		3.42		20.01	
VPS_SURFACE	01393-003	02/27/2003	01:12	3.97		21.04		3.42		20.01	
VPS_MID	01393-004	02/27/2003	01:38	3.97		21.04		3.42		20.01	
VPN_SURFACE	01393-005	02/27/2003	02:05	3.97		21.04		3.42		20.01	
VPN_MID	01393-006	02/27/2003	02:31	3.97		21.04		3.42		20.01	
FB	01393-007	02/27/2003	02:57	3.97		21.04		3.42		20.01	
CONPILE	01376-001	02/27/2003	03:23	3.97		21.04		3.42		20.00	
FIELD_BLANK	01398-001	02/27/2003	03:49	3.97		21.04		3.42		20.01	
PCB	01398-001-MS2	02/27/2003	04:16	3.97		21.03		3.42		20.00	
PCB	01398-001-MSD2	02/27/2003	04:42	3.97		21.03		3.42		20.00	
PCB	PBW0226-MS2	02/27/2003	05:08	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 3.97 **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	#
SB-T28-15.5/15.	01398-010	02/27/2003	12:37	3.97		21.03		3.42		20.00	
SB-T28-28/28-28	01398-011	02/27/2003	13:59	3.97		21.04		3.43		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 3.97 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	#
(1398.1438)	0227-BK1	02/27/2003	16:20	3.97		21.04		3.42		20.01	
WC1	01428-001	02/27/2003	16:46	3.97		21.04		3.42		20.01	
SB-T28-0/0	01398-008	02/27/2003	17:13	3.97		21.04		3.42		20.01	
PCB	PBS0227-MS1	02/27/2003	17:39	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 3.97 **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	#
SB-X13-0/0-	01398-003	02/28/2003	21:39	3.97		21.04		3.42		20.01	
SB-X13-8/8-	01398-004	02/28/2003	22:05	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\02-26-03\R9706.D\ECD1B.CH Vial: 54
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9706.D\ECD2A.CH
Acq On : 27 Feb 2003 3:49 Operator: MJ
Sample : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 04:13:21 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	112.9E6	171.0E6	5.326	6.019
Spiked Amount 100.000 Range 75 - 125 Recovery =					5.33%#	6.02%#
2) S DCB	21.04	20.01	39634388	48994229	3.852	4.439
Spiked Amount 100.000 Recovery =					3.85%	4.44%
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

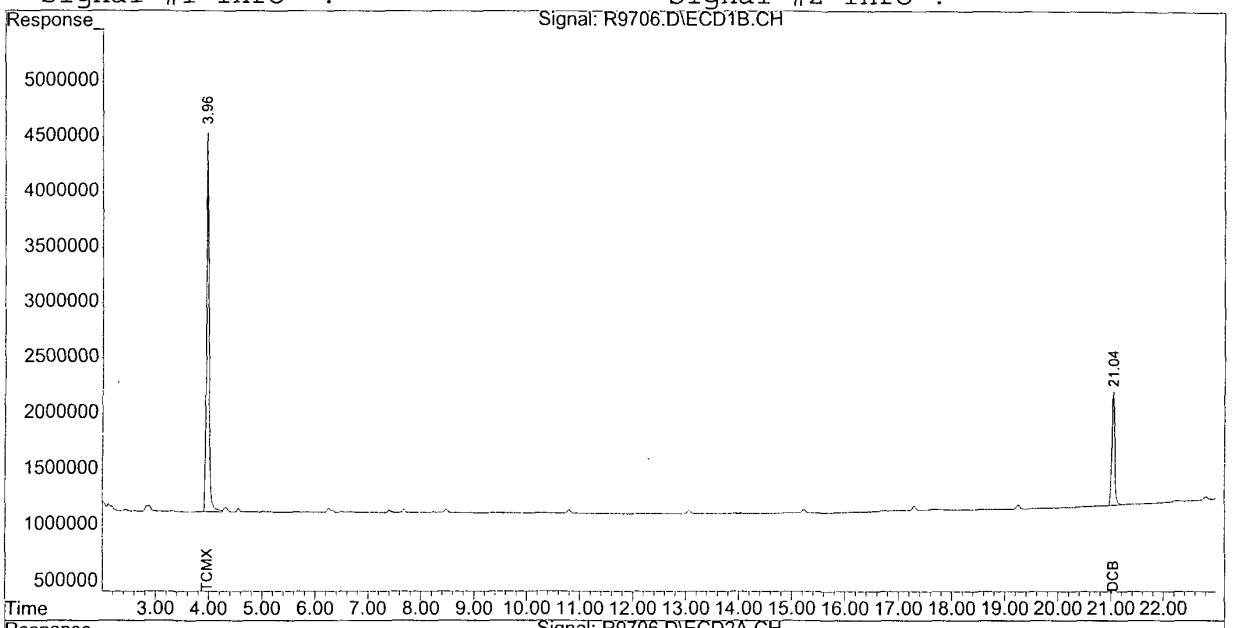
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

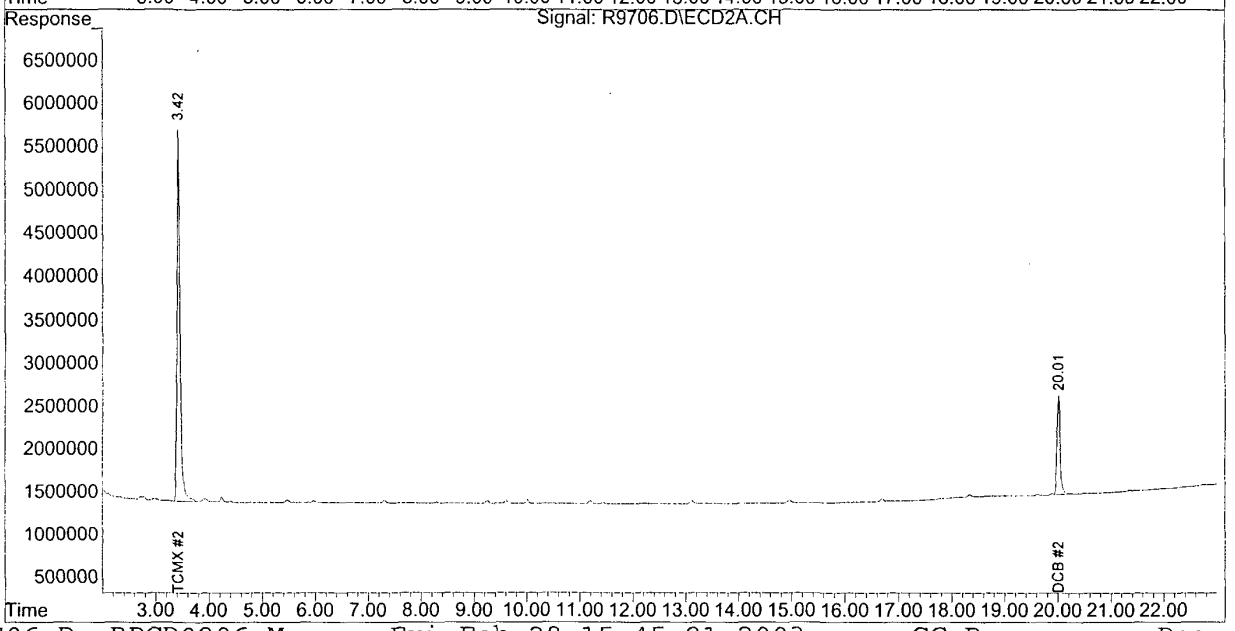
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9706.D\ECD1B.CH Vial: 54
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9706.D\ECD2A.CH
Acq On : 27 Feb 2003 3:49 Operator: MJ
Sample : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,10 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 11:02 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

303247

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9762.D\ECD1B.CH Vial: 16
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9762.D\ECD2A.CH
Acq On : 28 Feb 2003 21:39 Operator: MJ
Sample : SB-X13-0/0-,01398-003,S,5.80g,11.1,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 28 22:02:45 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 : 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	1462.0E6	1936.9E6	68.971	68.159
Spiked Amount 100.000 Range 75 - 125 Recovery =					68.97%#	68.16%#
2) S DCB	21.04	20.01	423.8E6	530.5E6	41.189	48.068
Spiked Amount 100.000 Recovery =					41.19%	48.07%
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	13.84	12.64	6793998	7006352	8.344	8.230
34) L8 Aroclor-1260 {2}	14.39	13.86	4352771	17480585	9.032	25.113 #
35) L8 Aroclor-1260 {3}	16.01	14.81	6348368	5868399	5.283	7.849 #
36) L8 Aroclor-1260 {4}	16.92	15.76	3757670	11416684	6.499	6.697
37) L8 Aroclor-1260 {5}	18.95	18.81	2579158	6629651	7.734	13.448 #
Sum Aroclor-1260			23831966	48401672	36.893	61.338
Average Aroclor-1260					7.379	12.268

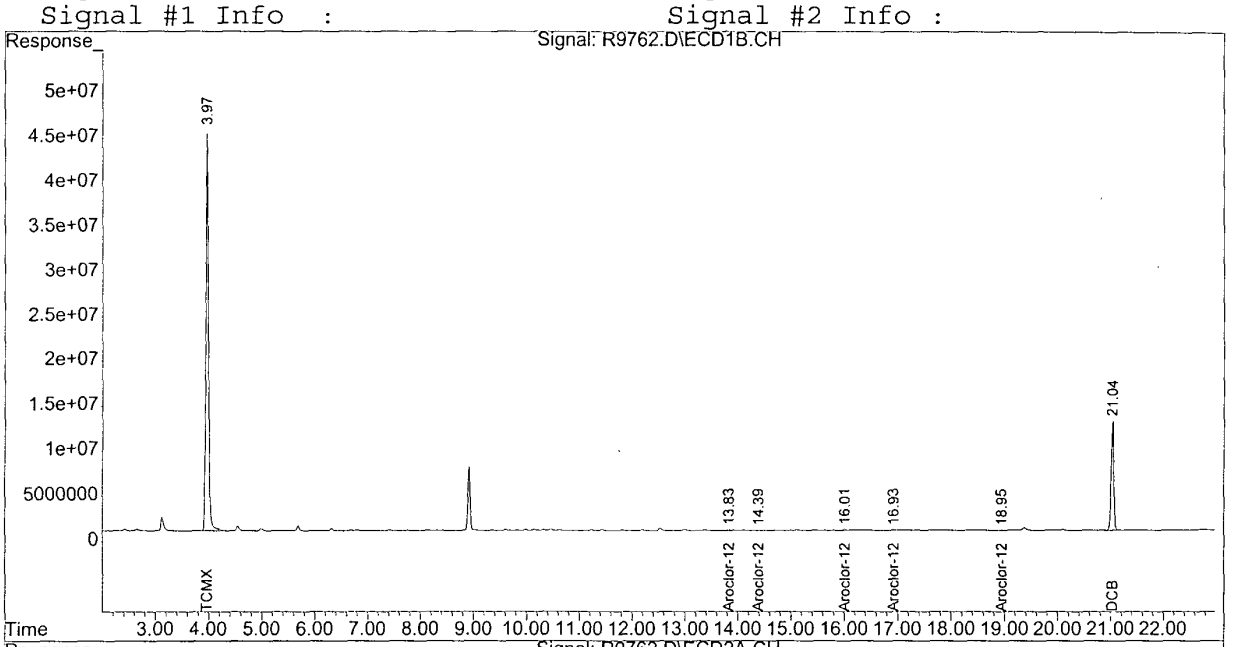
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

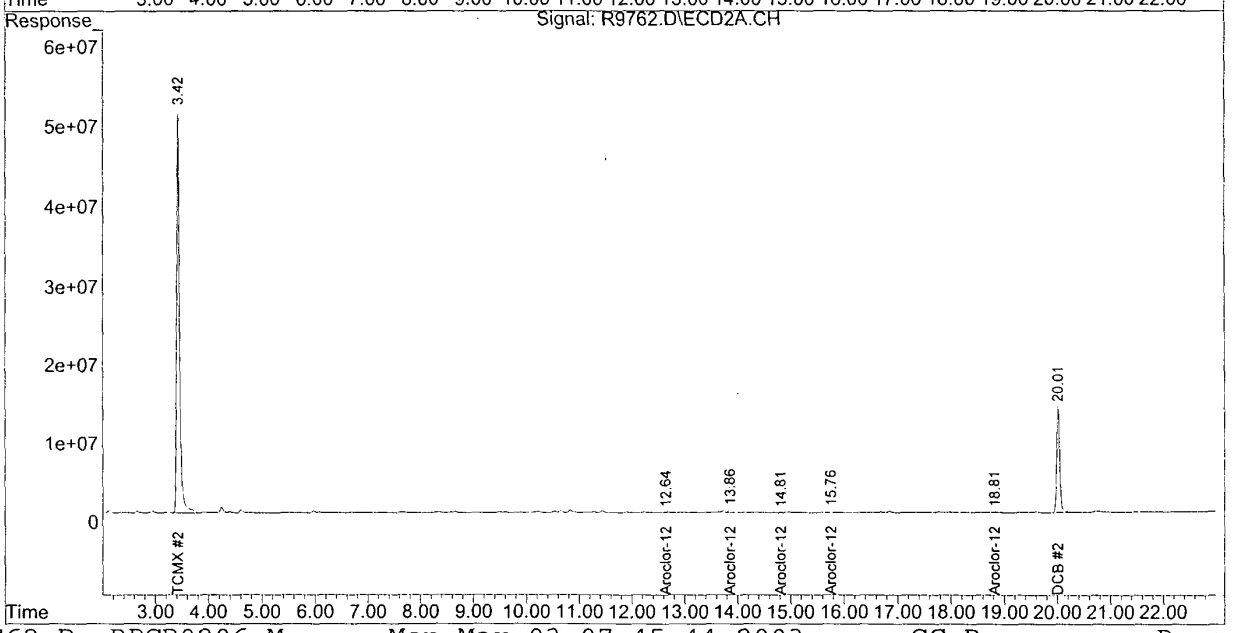
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9762.D\ECD1B.CH Vial: 16
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9762.D\ECD2A.CH
Acq On : 28 Feb 2003 21:39 Operator: MJ
Sample : SB-X13-0/0-,01398-003,S,5.80g,11.1,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 3 7:24 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 :





0409

303249

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9763.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9763.D\ECD2A.CH
Acq On : 28 Feb 2003 22:05 Operator: MJ
Sample : SB-X13-8/8-,01398-004,S,5.01g,15.4,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 28 22:29:00 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	1026.8E6	1353.1E6	48.441	47.617
Spiked Amount 100.000	Range 75 - 125		Recovery =		48.44%#	47.62%#
2) S DCB	21.04	20.01	355.0E6	452.9E6	34.504	41.037
Spiked Amount 100.000			Recovery =		34.50%	41.04%
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

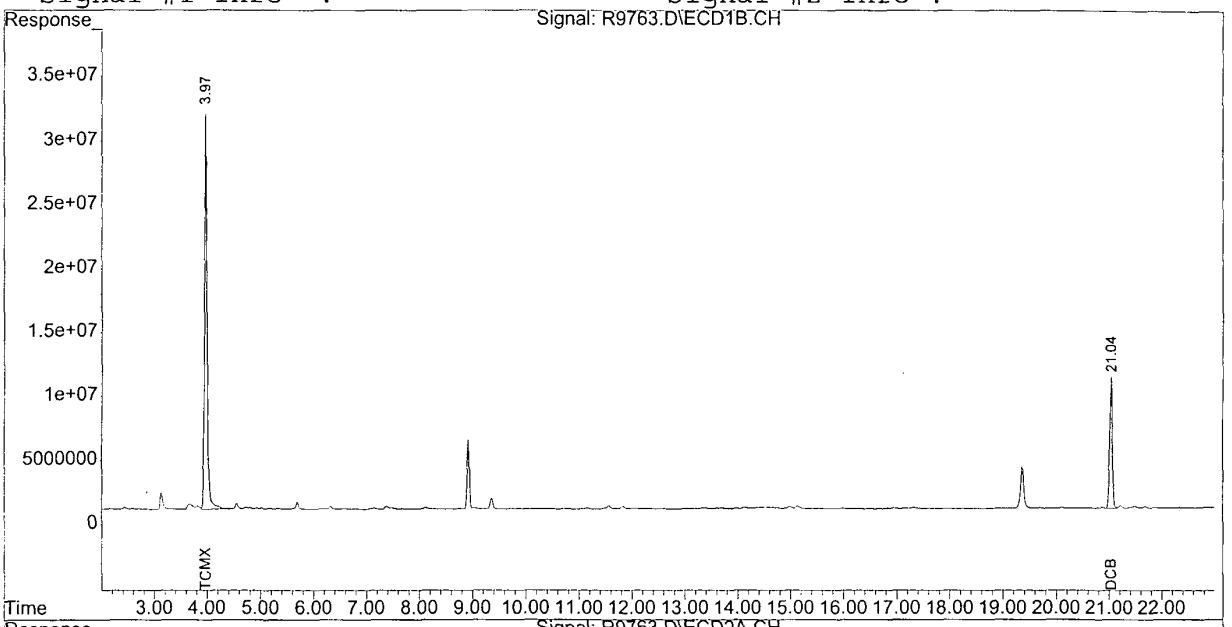
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

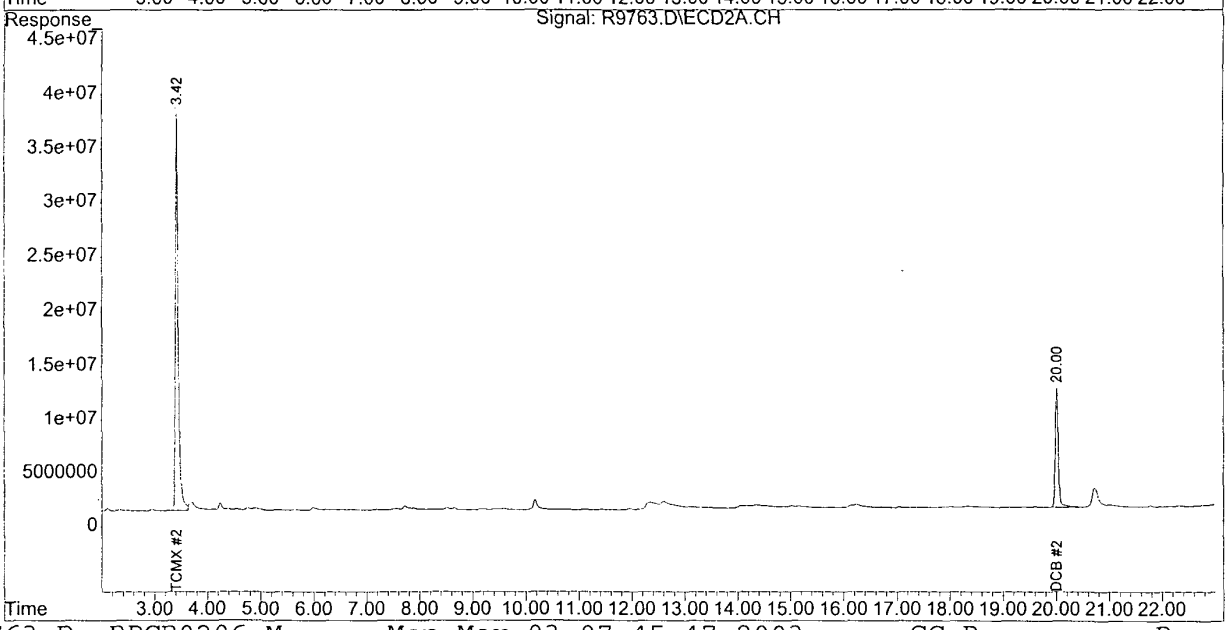
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9763.D\ECD1B.CH Vial: 17
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9763.D\ECD2A.CH
Acq On : 28 Feb 2003 22:05 Operator: MJ
Sample : SB-X13-8/8-,01398-004,S,5.01g,15.4,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 3 7:24 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

303251

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9685.D\ECD1B.CH Vial: 33
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9685.D\ECD2A.CH
Acq On : 26 Feb 2003 18:39 Operator: MJ
Sample : SB-X13-23.5/23.,01398-005,S,5.57g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 19:02:50 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 : 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	891.0E6	1207.3E6	42.037	42.485
Spiked Amount 100.000	Range 75 - 125		Recovery =		42.04%#	42.48%#
2) S DCB	21.04	20.01	287.5E6	601.6E6	27.938	54.509 #
Spiked Amount 100.000			Recovery =		27.94%	54.51%
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

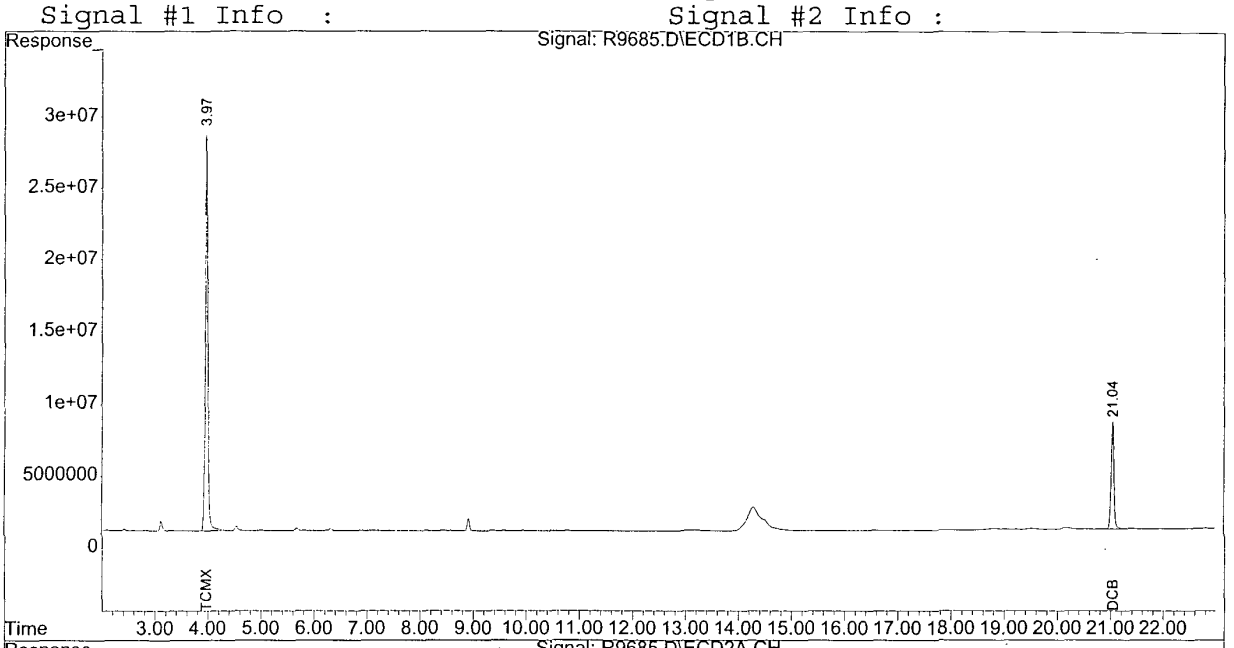
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

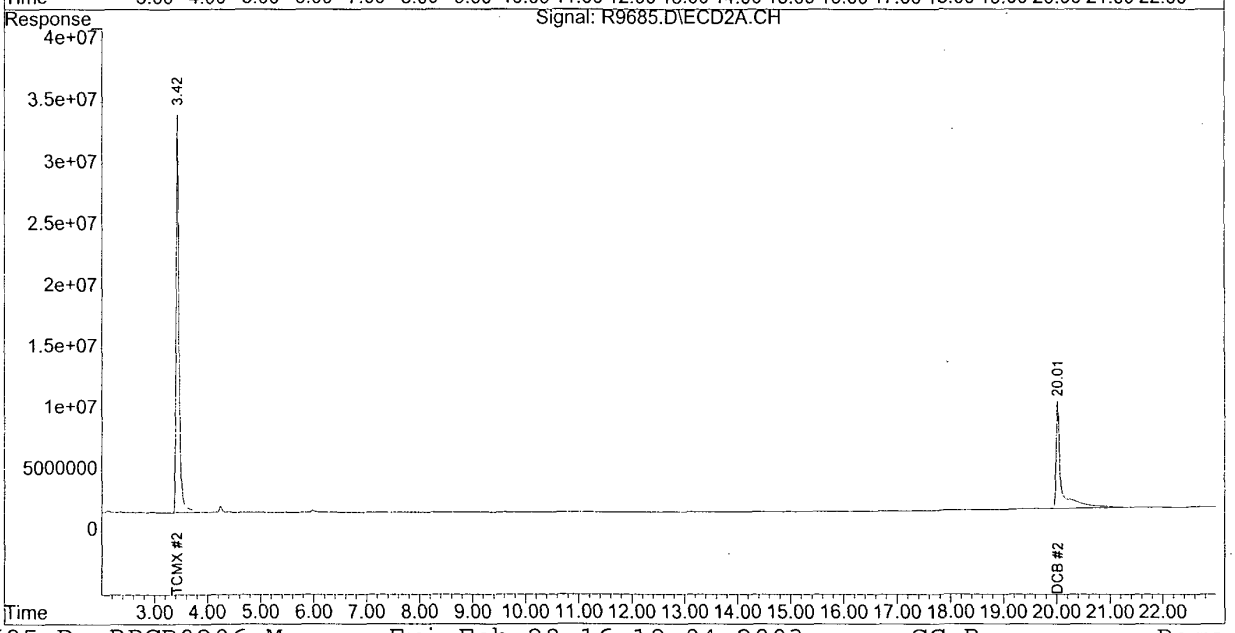
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9685.D\ECD1B.CH Vial: 33
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9685.D\ECD2A.CH
Acq On : 26 Feb 2003 18:39 Operator: MJ
Sample : SB-X13-23.5/23.,01398-005,S,5.57g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:28 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

303253

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9686.D\ECD1B.CH Vial: 34
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9686.D\ECD2A.CH
Acq On : 26 Feb 2003 19:05 Operator: MJ
Sample : SB-T15-0/0-0.5,01398-006,S,5.34g,,02/26/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 19:29:02 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	634.1E6	867.5E6	29.917	30.528
Spiked Amount 100.000 Range 75 - 125 Recovery =					29.92%#	30.53%#
2) S DCB	21.04	20.01	243.9E6	282.0E6	23.707	25.554
Spiked Amount 100.000 Recovery =					23.71%	25.55%
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	13.84	12.64	74559768	83627940	91.565	98.239
34) L8 Aroclor-1260 {2}	14.39	13.85	35206575	59187945	73.057	85.032
35) L8 Aroclor-1260 {3}	16.02	14.82	90646852	63297723	75.437	84.663
36) L8 Aroclor-1260 {4}	16.92	15.76	53837126	135.1E6	93.117	79.244
37) L8 Aroclor-1260 {5}	18.95	18.81	20745549	34384400	62.211	69.745
Sum Aroclor-1260			275.0E6	375.6E6	395.387	416.922
Average Aroclor-1260					79.077	83.384

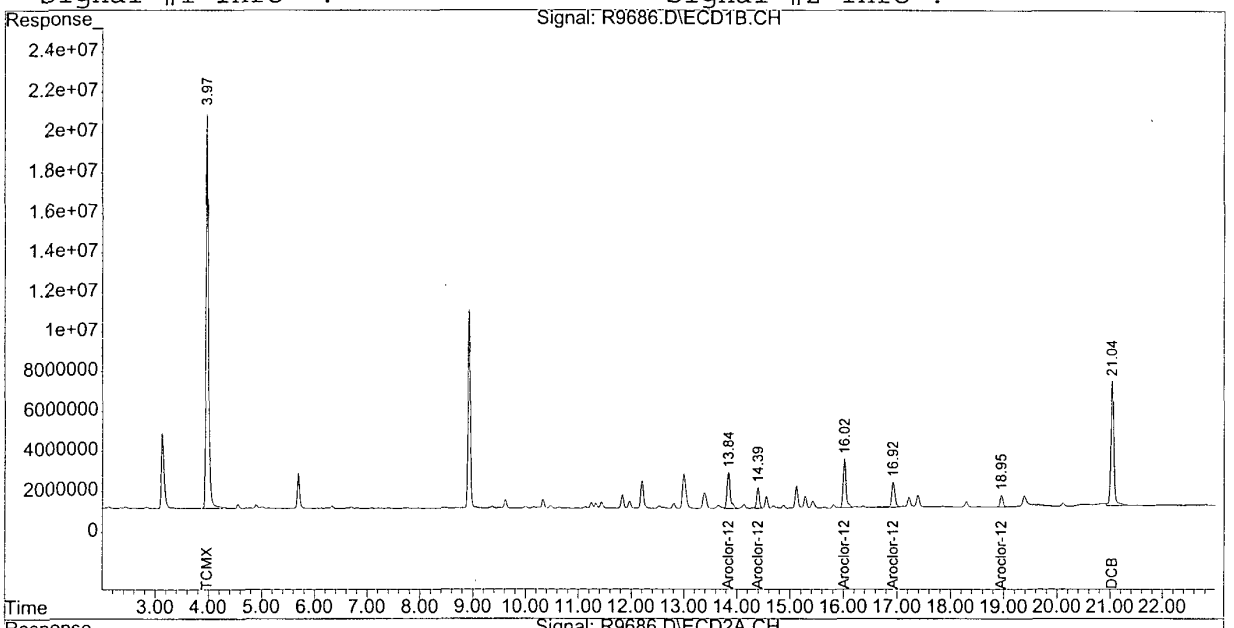
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

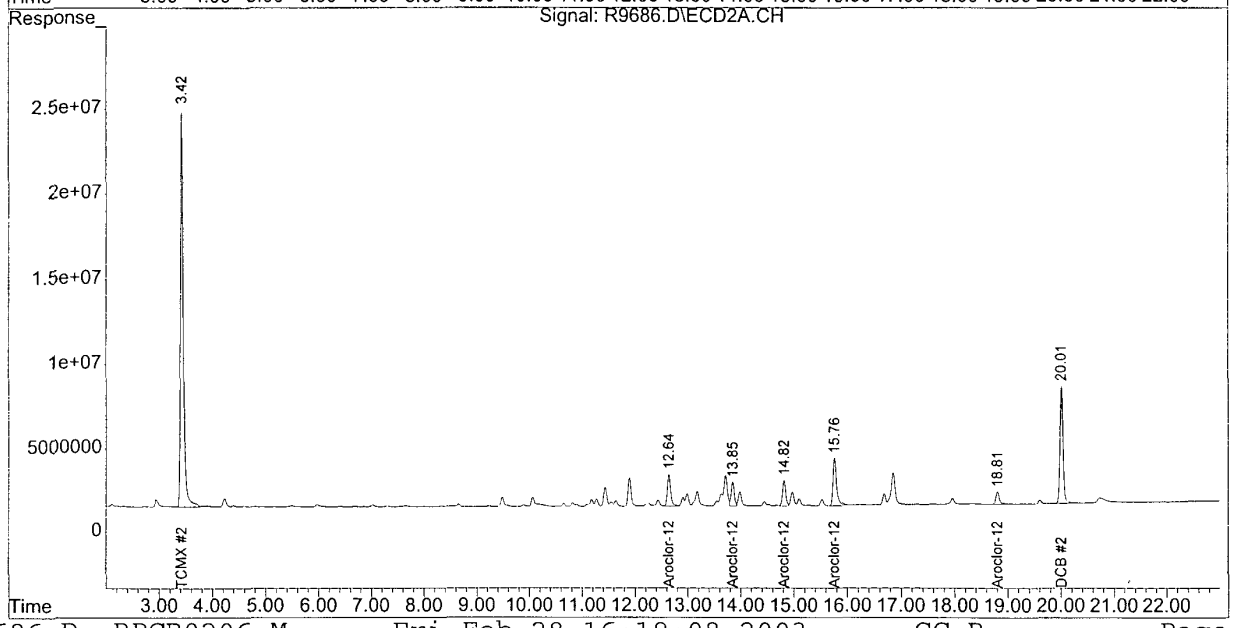
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9686.D\ECD1B.CH Vial: 34
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9686.D\ECD2A.CH
Acq On : 26 Feb 2003 19:05 Operator: MJ
Sample : SB-T15-0/0-0.5,01398-006,S,5.34g,,02/26/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:32 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 :





0415

303255

Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9687.D\ECD1B.CH Vial: 35
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9687.D\ECD2A.CH
Acq On : 26 Feb 2003 19:31 Operator: MJ
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,,02/26/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 19:55:10 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	1463.9E6	1933.6E6	69.063	68.043
Spiked Amount 100.000	Range 75 - 125		Recovery =		69.06%#	68.04%#
2) S DCB	21.04	20.01	448.9E6	571.4E6	43.627	51.770
Spiked Amount 100.000			Recovery =		43.63%	51.77%
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

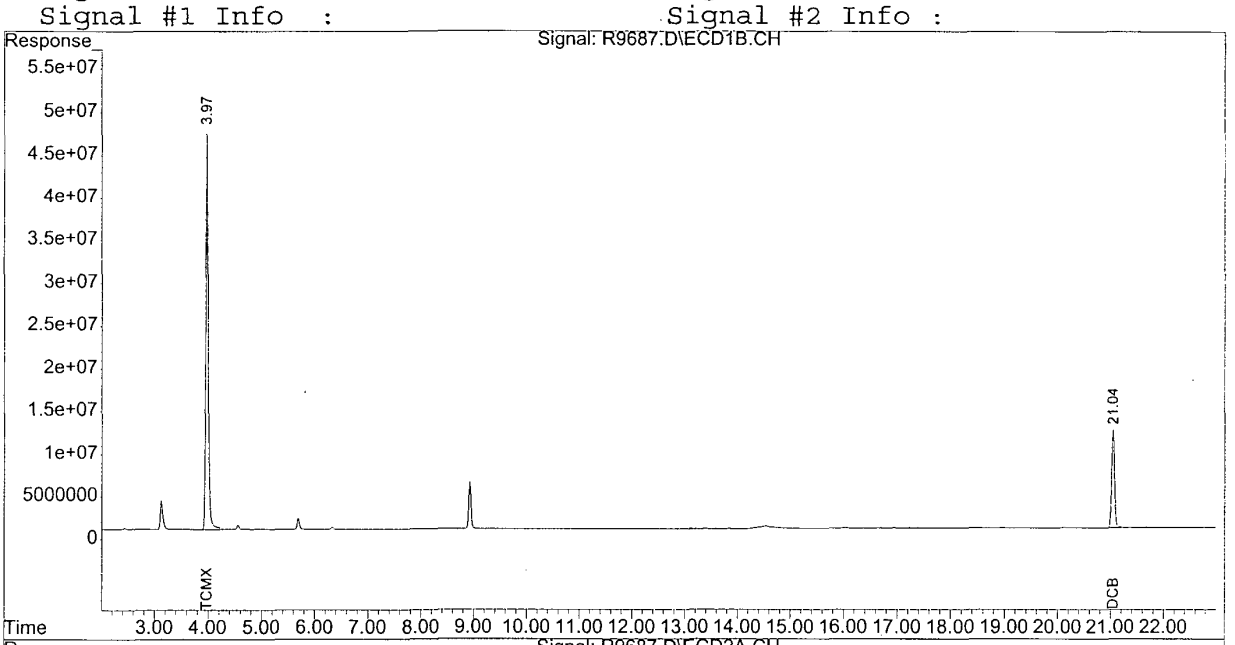
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

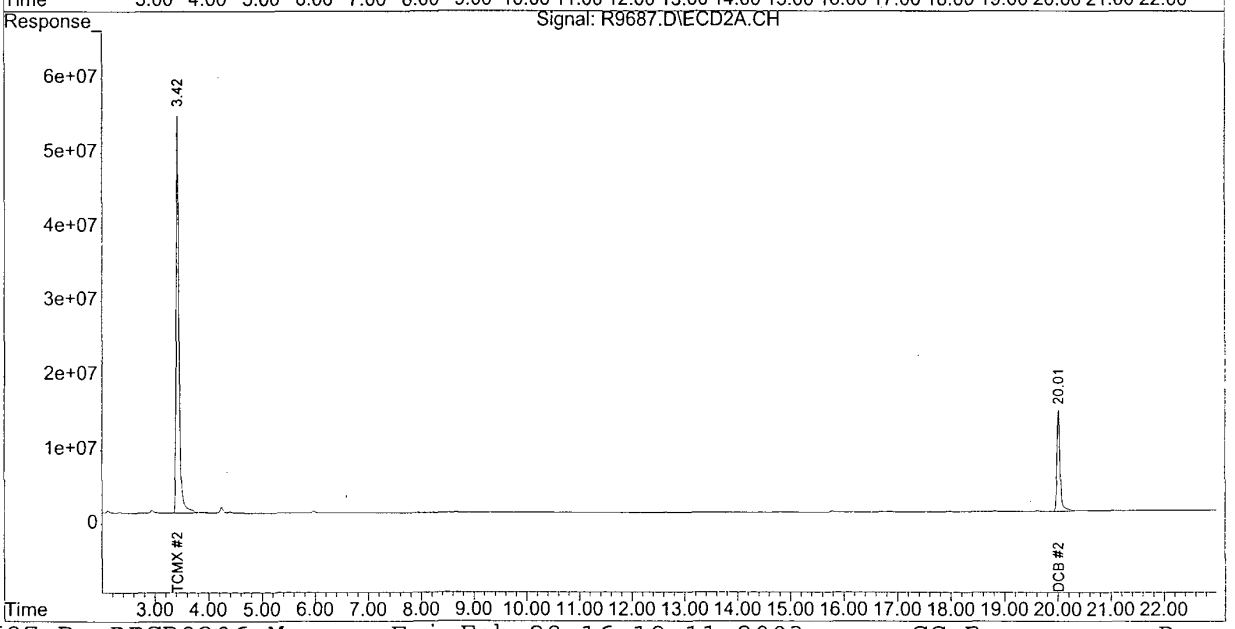
Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9687.D\ECD1B.CH Vial: 35
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9687.D\ECD2A.CH
Acq On : 26 Feb 2003 19:31 Operator: MJ
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,,02/26/ Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:34 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 :





0417

303257

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9722.D\ECD1B.CH Vial: 9
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9722.D\ECD2A.CH
Acq On : 27 Feb 2003 17:13 Operator: LIMS impor
Sample : SB-T28-0/0,01398-008,S,5.7g,17.3,02/27/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 17:36:41 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	1501.7E6	1993.1E6	70.846	70.138
Spiked Amount 100.000 Range 75 - 125 Recovery =					70.85%#	70.14%#
2) S DCB	21.04	20.01	439.9E6	552.8E6	42.752	50.084
Spiked Amount 100.000 Recovery =					42.75%	50.08%
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

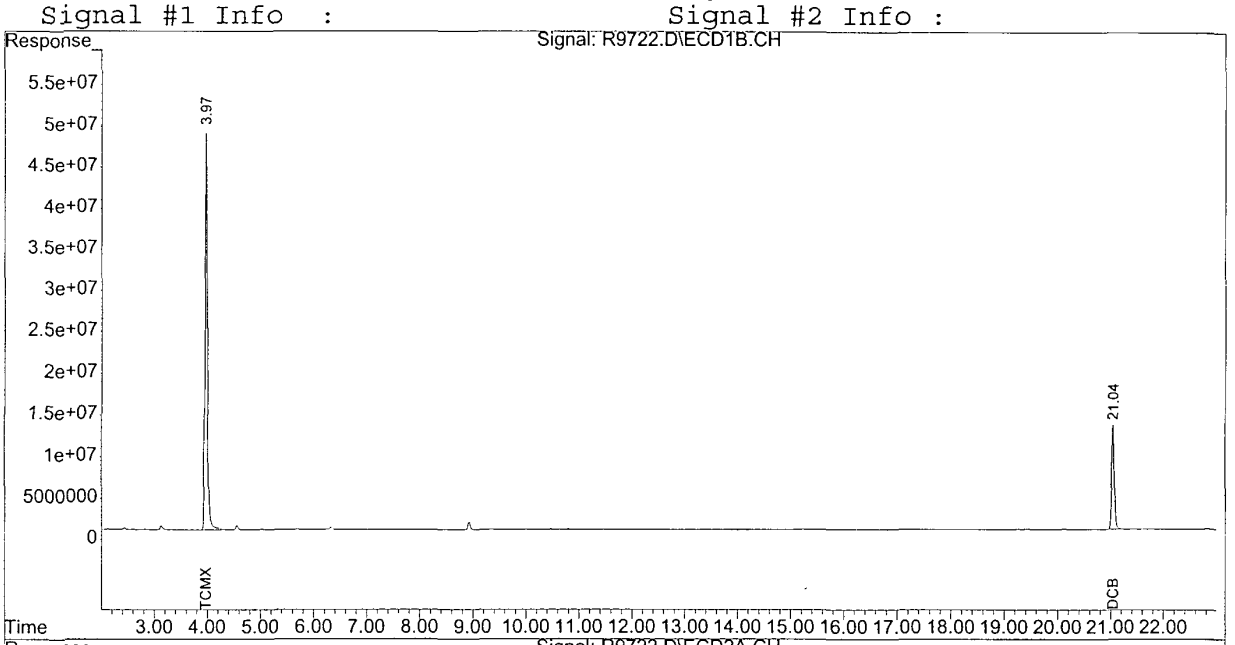
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

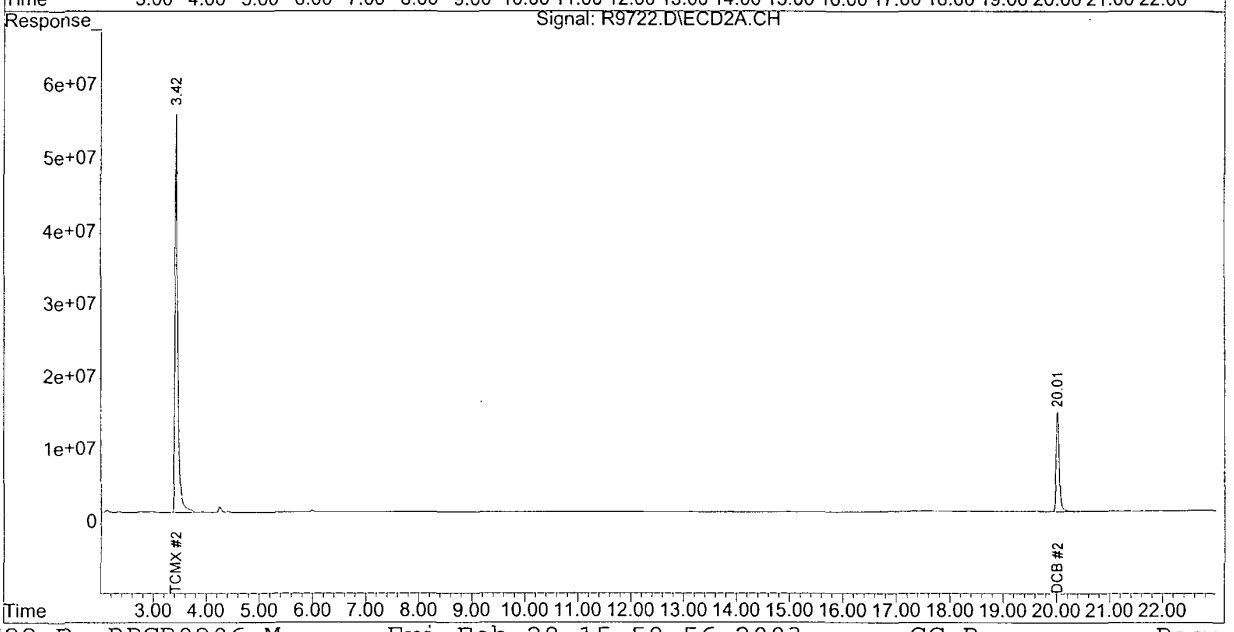
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9722.D\ECD1B.CH Vial: 9
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9722.D\ECD2A.CH
Acq On : 27 Feb 2003 17:13 Operator: LIMS impor
Sample : SB-T28-0/0,01398-008,S,5.7g,17.3,02/27/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 28 7:31 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 (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9689.D\ECD1B.CH Vial: 37
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9689.D\ECD2A.CH
Acq On : 26 Feb 2003 20:24 Operator: MJ
Sample : SB-T28-8/8-11,01398-009,S,5.16g,,02/26/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 20:47:40 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	1366.4E6	1805.2E6	64.461	63.524
Spiked Amount 100.000	Range 75 - 125		Recovery =		64.46%#	63.52%#
2) S DCB	21.04	20.01	420.6E6	520.9E6	40.874	47.192
Spiked Amount 100.000			Recovery =		40.87%	47.19%
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

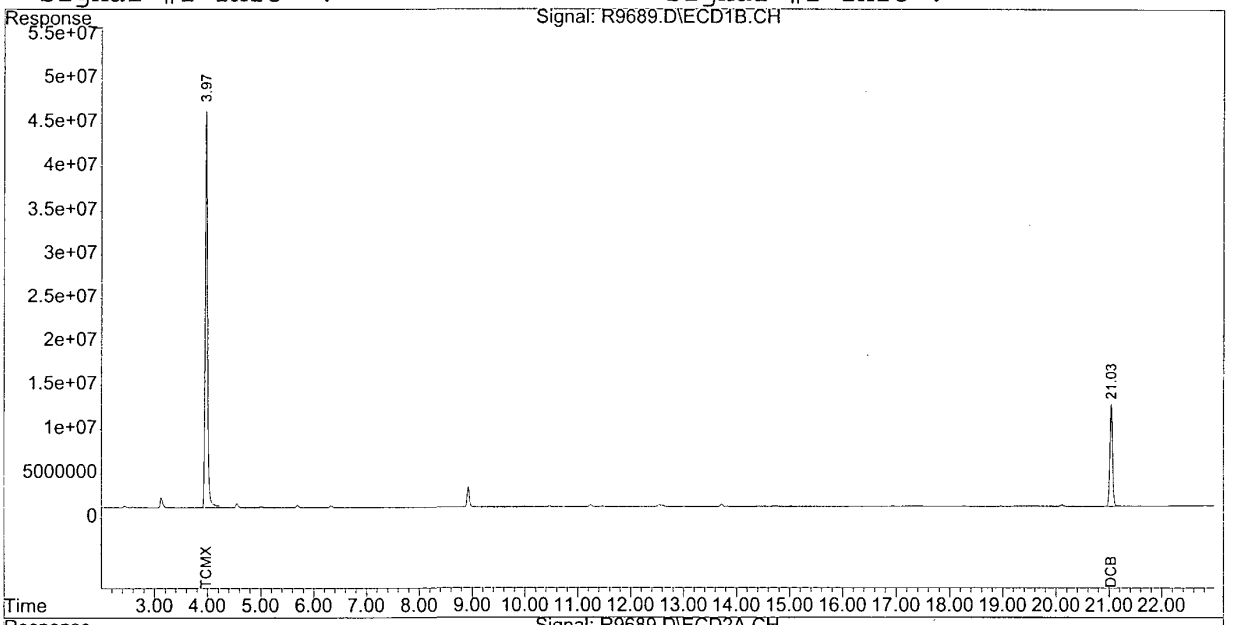
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

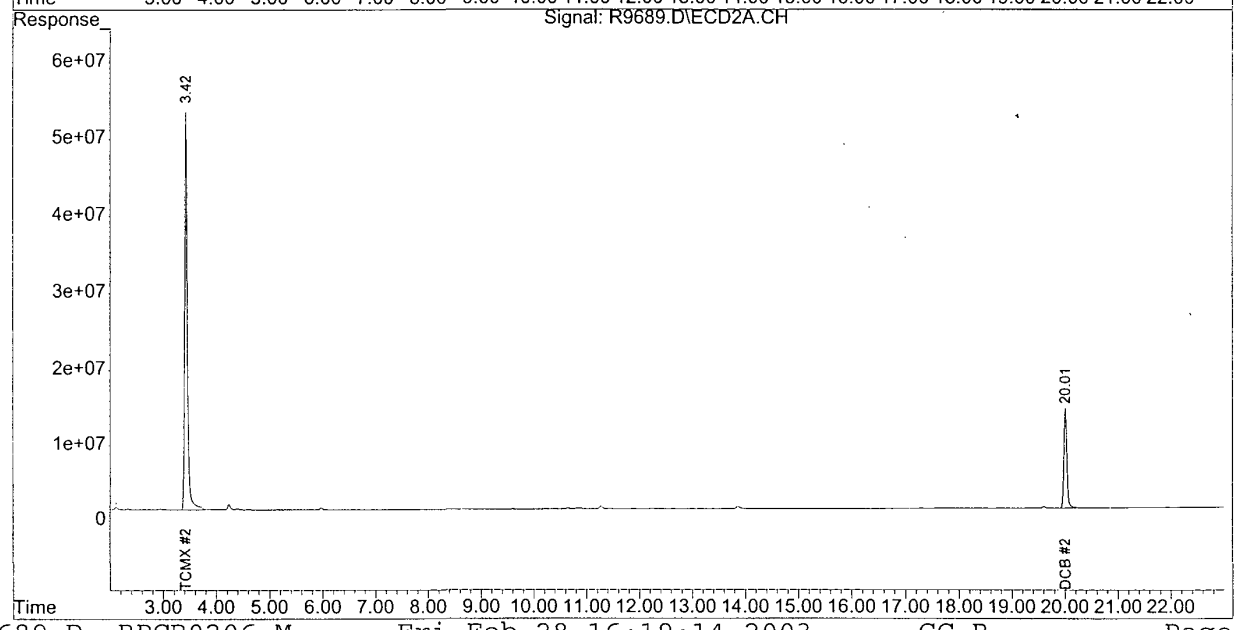
Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9689.D\ECD1B.CH Vial: 37
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9689.D\ECD2A.CH
Acq On : 26 Feb 2003 20:24 Operator: MJ
Sample : SB-T28-8/8-11,01398-009,S,5.16g,,02/26/0 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:37 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 : 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\02-27-03\R9714.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9714.D\ECD2A.CH
Acq On : 27 Feb 2003 12:37 Operator: MJ
Sample : SB-T28-15.5/15.,01398-010,S,5.39g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 13:00:55 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	1183.8E6	1711.6E6	55.847	60.233
Spiked Amount 100.000	Range 75 - 125		Recovery =		55.85%#	60.23%#
2) S DCB	21.03	20.00	400.4E6	487.4E6	38.909	44.160
Spiked Amount 100.000			Recovery =		38.91%	44.16%
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
18) L5 Aroclor-1242	6.11	5.99	20682526	21857172	109.329	165.299m#
19) L5 Aroclor-1242 {2}	7.88	7.31	19995972	19373811	156.221	67.200 #
20) L5 Aroclor-1242 {3}	8.42	8.32	25807253	53682823	175.437	144.966m
21) L5 Aroclor-1242 {4}	9.59	9.54	37280465	49151892	143.514	125.138m
22) L5 Aroclor-1242 {5}	10.08	10.21	30542042	43240375	131.806	153.655m
Sum Aroclor-1242			134.3E6	187.3E6	716.307	656.257
Average Aroclor-1242					143.261	131.251
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

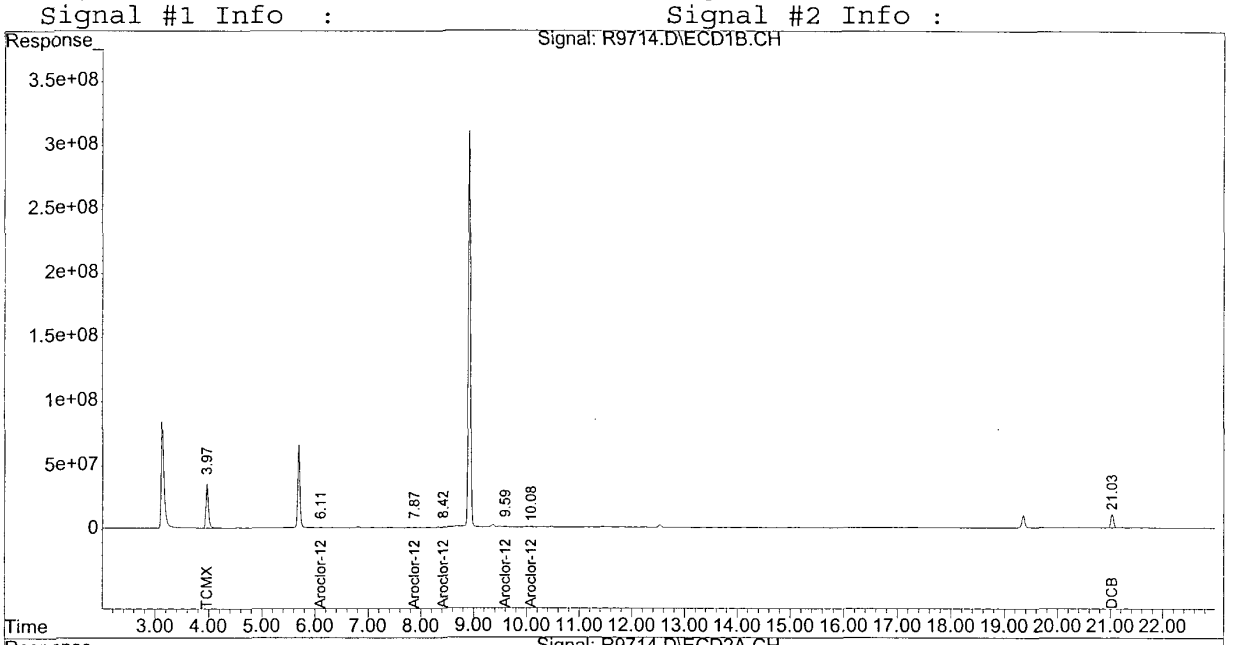
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

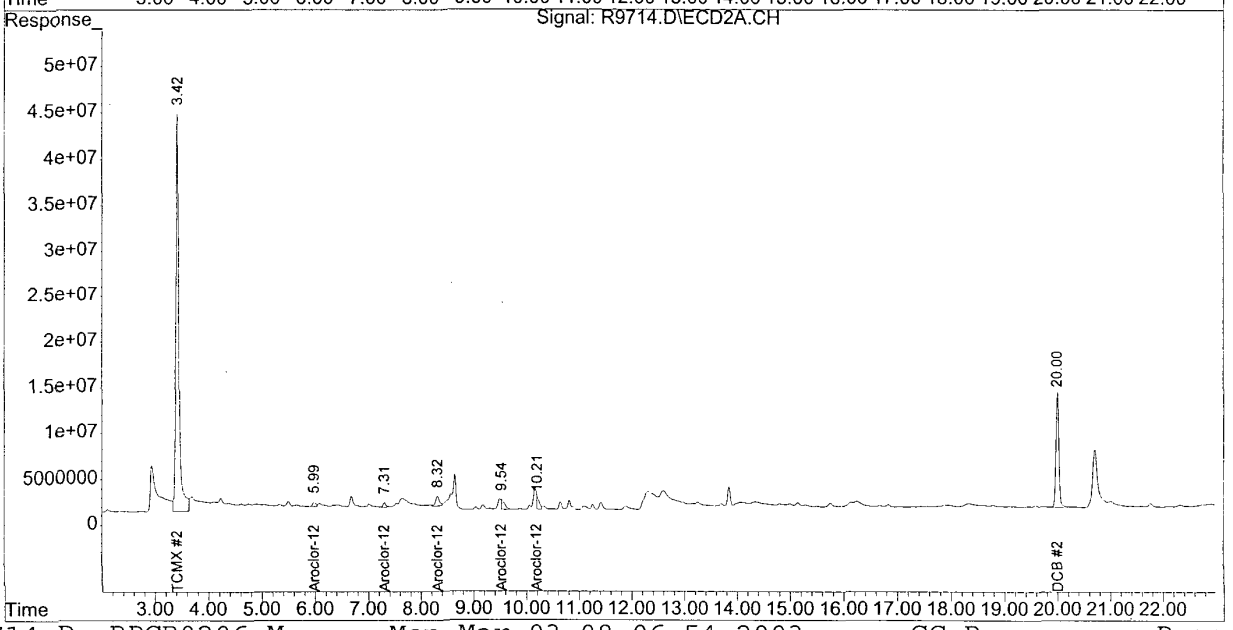
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9714.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9714.D\ECD2A.CH
Acq On : 27 Feb 2003 12:37 Operator: MJ
Sample : SB-T28-15.5/15.,01398-010,S,5.39g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Mar 3 8:04 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 :





0423

303263

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9692.D\ECD1B.CH Vial: 40
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9692.D\ECD2A.CH
Acq On : 26 Feb 2003 21:42 Operator: MJ
Sample : SB-T28-37.5/37.,01398-012,S,5.72g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 26 22:06:17 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	1273.9E6	1680.8E6	60.099	59.147
Spiked Amount 100.000	Range 75 - 125		Recovery =		60.10%#	59.15%#
2) S DCB	21.04	20.01	431.4E6	928.9E6	41.929	84.158 #
Spiked Amount 100.000			Recovery =		41.93%	84.16%
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

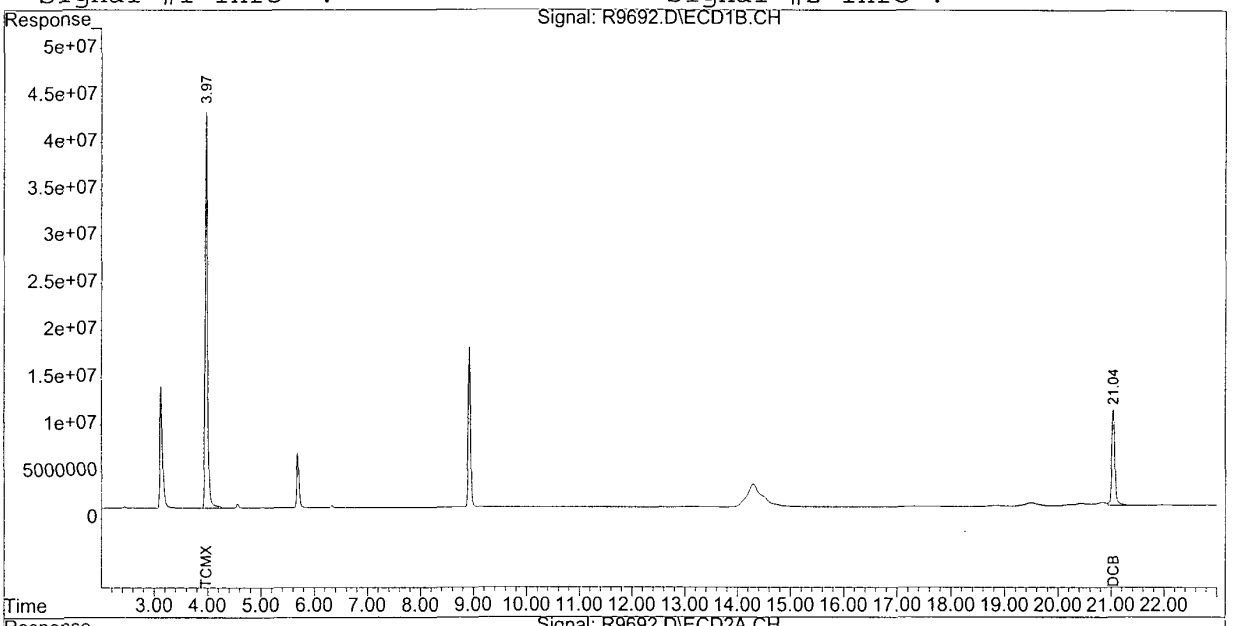
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

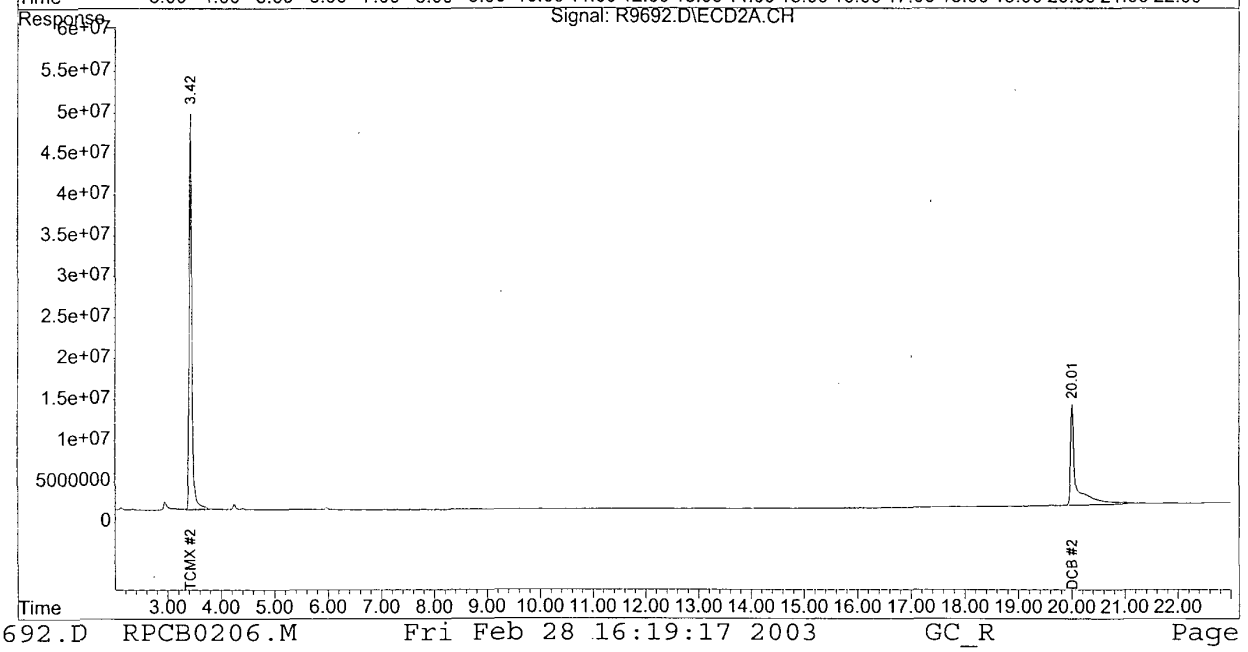
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9692.D\ECD1B.CH Vial: 40
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9692.D\ECD2A.CH
Acq On : 26 Feb 2003 21:42 Operator: MJ
Sample : SB-T28-37.5/37.,01398-012,S,5.72g,,02/26 Inst : GC_R
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:42 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 :





0425

303265

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9681.D\ECD1B.CH Vial: 29
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9681.D\ECD2A.CH
Acq On : 26 Feb 2003 16:54 Operator: MJ
Sample : (1375..1398),0226-BLK1,S,5g,0,02/26/03,4 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 17:17:50 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 : 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	1340.3E6	1769.8E6	63.229	62.280
Spiked Amount 100.000 Range 75 - 125 Recovery =					63.23%#	62.28%#
2) S DCB	21.04	20.01	403.8E6	509.3E6	39.247	46.141
Spiked Amount 100.000 Recovery =					39.25%	46.14%
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

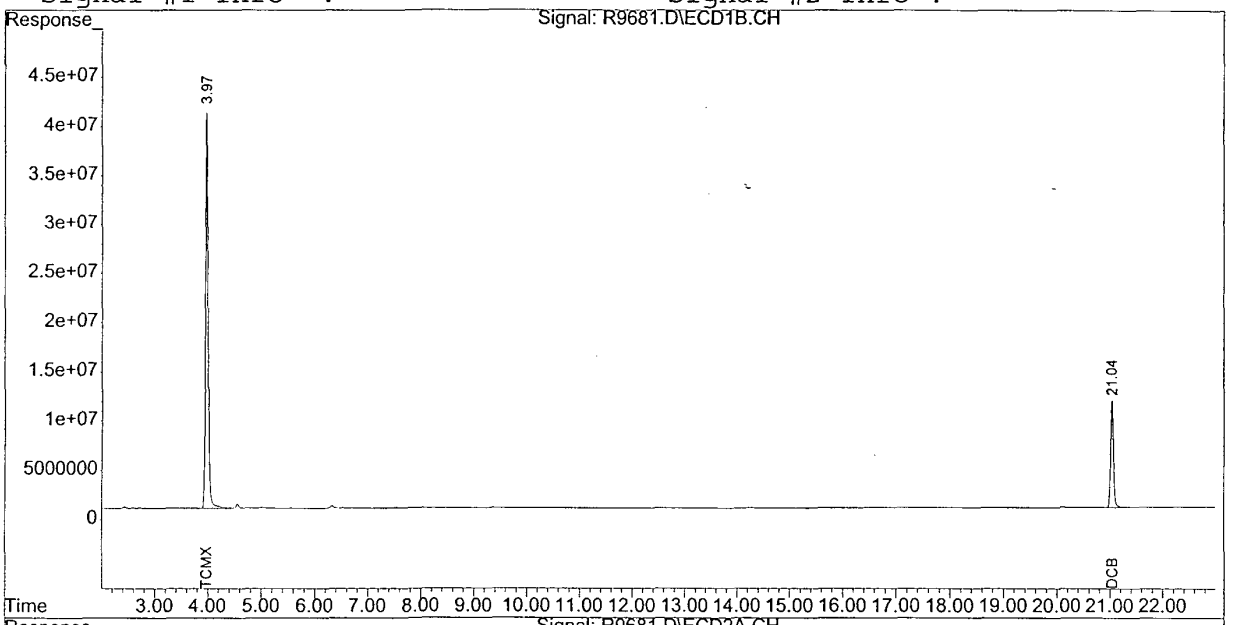
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

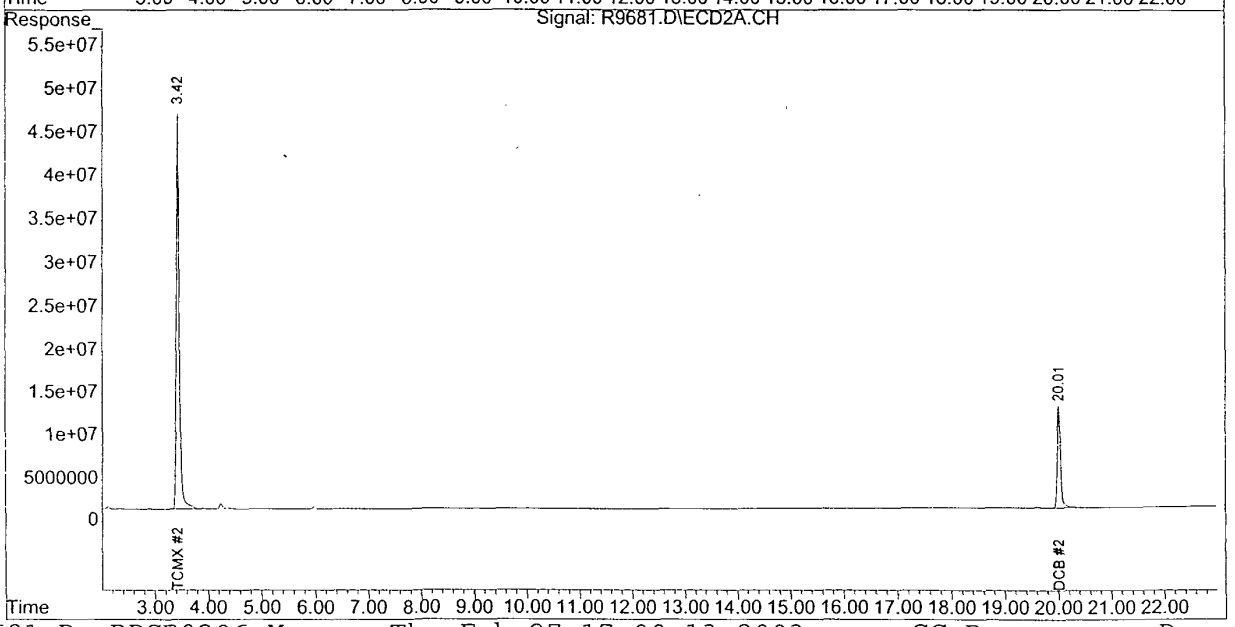
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9681.D\ECD1B.CH Vial: 29
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9681.D\ECD2A.CH
Acq On : 26 Feb 2003 16:54 Operator: MJ
Sample : (1375..1398),0226-BLK1,S,5g,0,02/26/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 10:10 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\R9696.D\ECD1B.CH Vial: 44
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9696.D\ECD2A.CH
Acq On : 26 Feb 2003 23:27 Operator: MJ
Sample : (1376.1398),0226-BLK2,A,1000ml,100,02/26 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 23:51:09 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	1206.1E6	1582.8E6	56.901	55.700
Spiked Amount 100.000 Range 75 - 125 Recovery =					56.90%#	55.70%#
2) S DCB	21.04	20.01	365.8E6	448.7E6	35.548	40.656
Spiked Amount 100.000 Recovery =					35.55%	40.66%
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

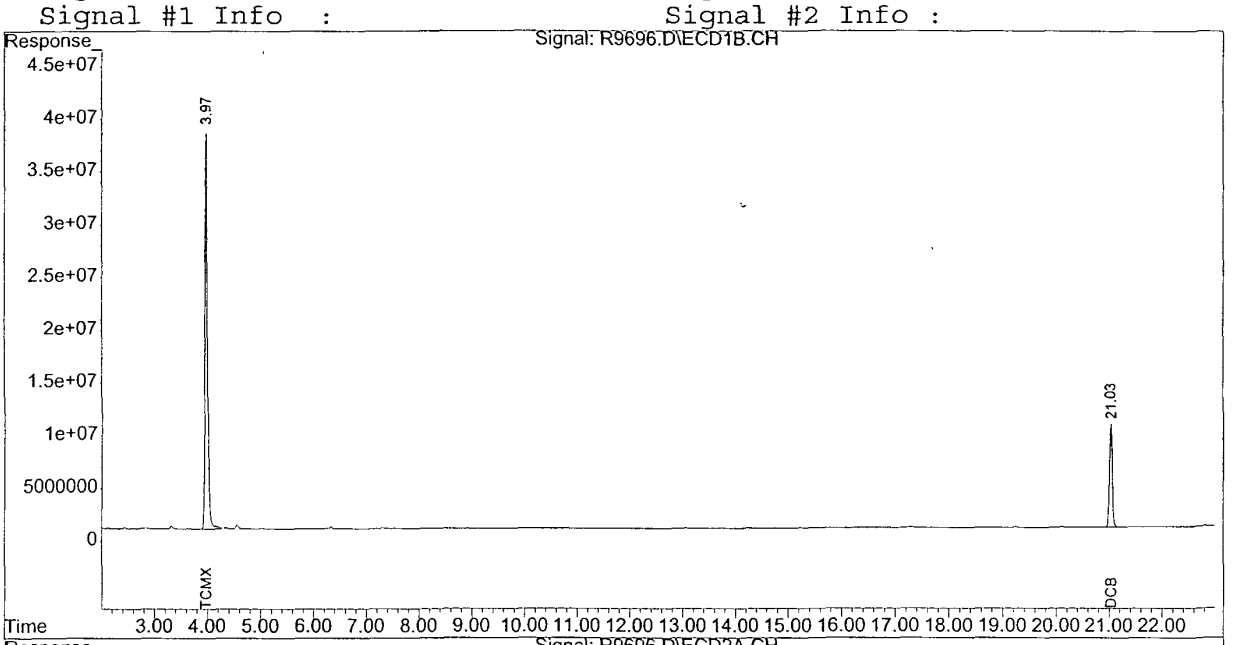
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

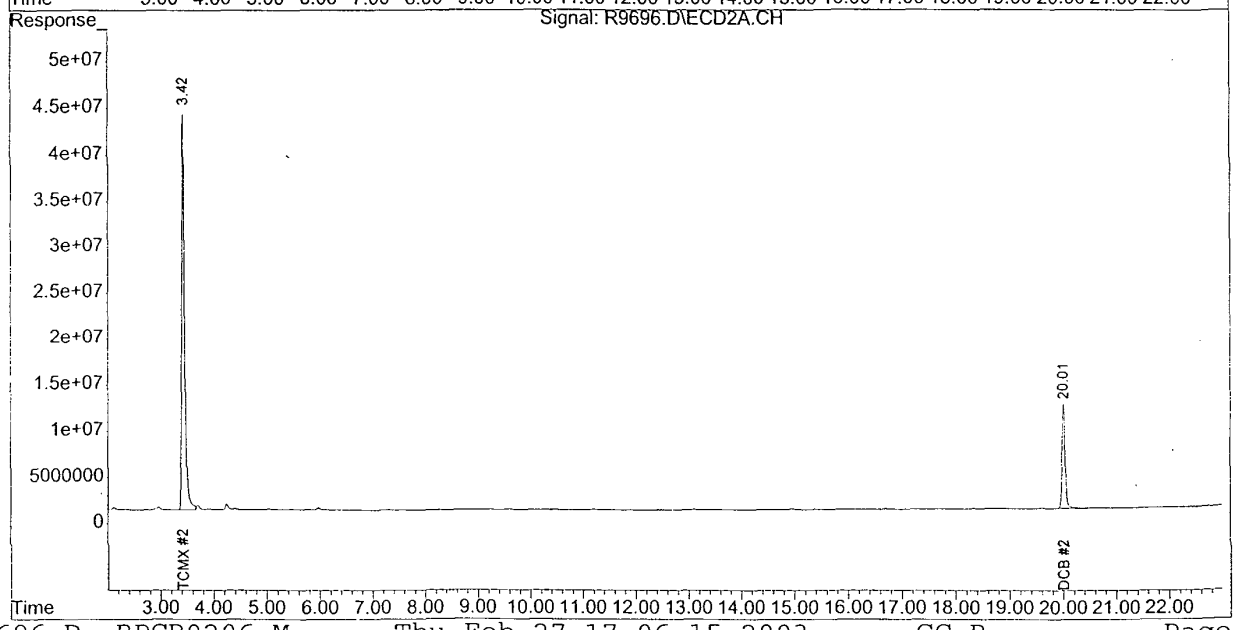
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9696.D\ECD1B.CH Vial: 44
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9696.D\ECD2A.CH
Acq On : 26 Feb 2003 23:27 Operator: MJ
Sample : (1376.1398),0226-BLK2,A,1000ml,100,02/26 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 10:51 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\02-27-03\R9720.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9720.D\ECD2A.CH
Acq On : 27 Feb 2003 16:20 Operator: LIMS impo
Sample : (1398.1438),0227-BK1,S,5g,0,02/27/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 27 16:44:06 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	1345.5E6	1766.7E6	63.478	62.170
Spiked Amount 100.000 Range 75 - 125 Recovery =					63.48%#	62.17%#
2) S DCB	21.04	20.01	410.3E6	505.3E6	39.879	45.782
Spiked Amount 100.000 Recovery =					39.88%	45.78%
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

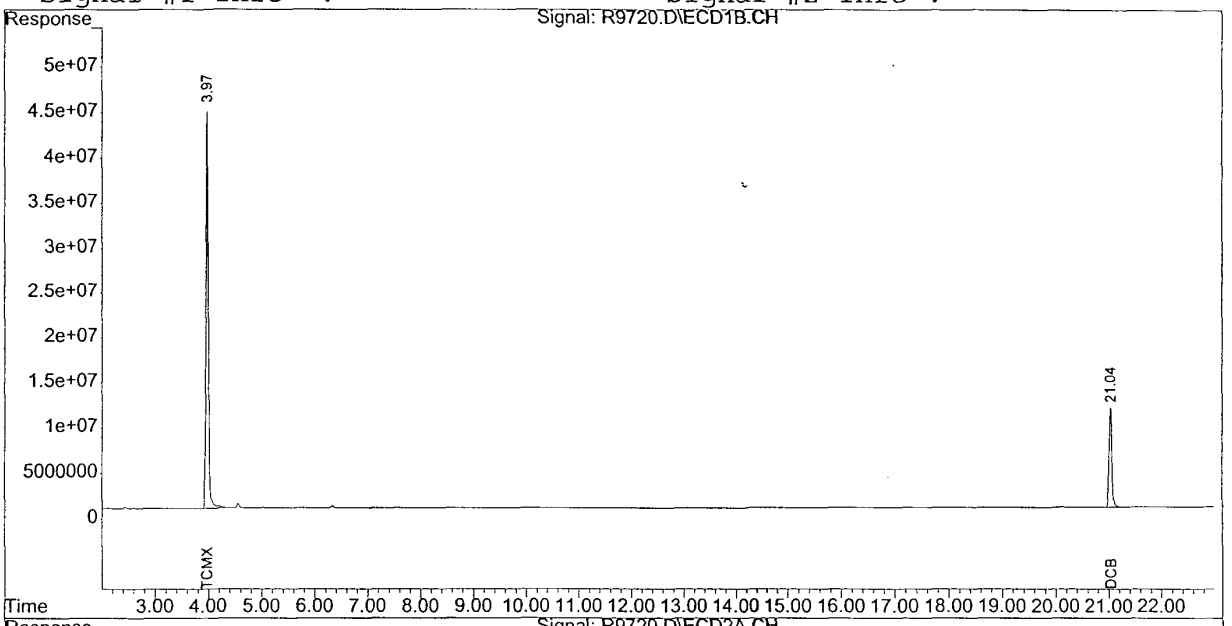
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

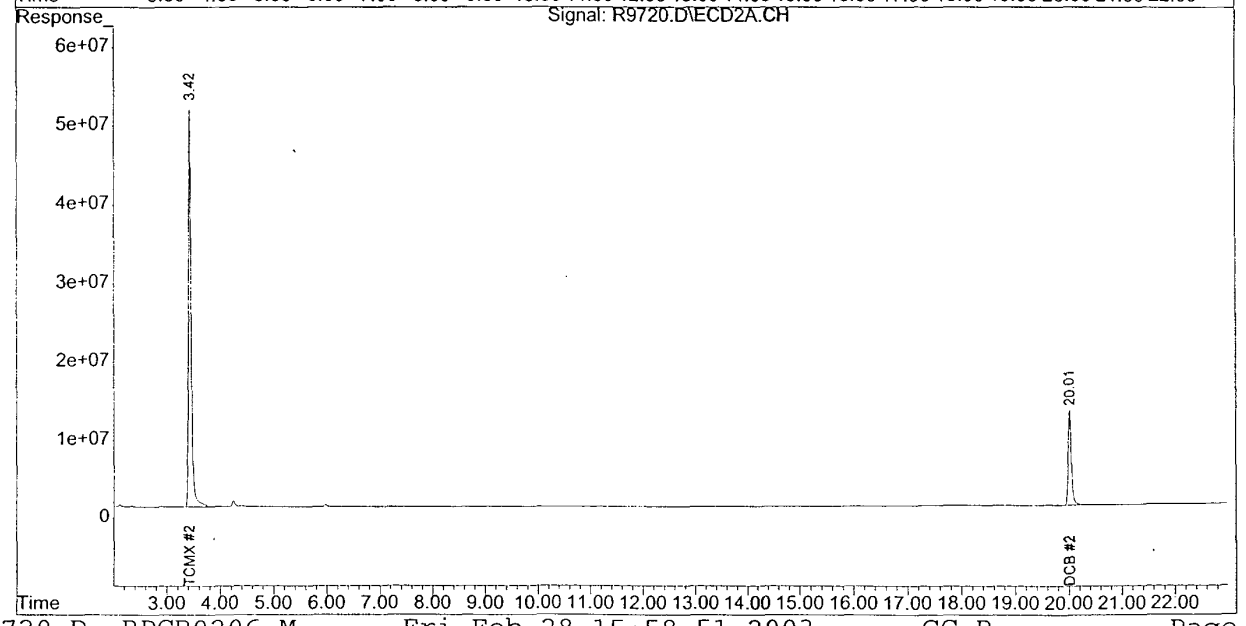
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9720.D\ECD1B.CH Vial: 7
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9720.D\ECD2A.CH
Acq On : 27 Feb 2003 16:20 Operator: LIMS impo
Sample : (1398.1438),0227-BK1,S,5g,0,02/27/03,4 Inst : GC_R
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: events.e IntFile Signal #2: events2.e
Quant Time: Feb 28 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 :





Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9695.D\ECD1B.CH Vial: 43
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9695.D\ECD2A.CH
Acq On : 26 Feb 2003 23:01 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 23:24:59 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	997.7E6	1318.6E6	47.066	46.403
Spiked Amount 100.000 Range 75 - 125 Recovery =					47.07%#	46.40%#
2) S DCB	21.04	20.01	303.7E6	372.3E6	29.516	33.730
Spiked Amount 100.000 Recovery =					29.52%	33.73%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	100.3E6	142.3E6	491.467	507.270
4) L2 Aroclor-1016 {2}	6.11	5.51	135.5E6	261.2E6	489.458	473.469
5) L2 Aroclor-1016 {3}	7.07	6.69	180.7E6	564.3E6	483.800	491.254
6) L2 Aroclor-1016 {4}	7.88	7.03	92764740	280.2E6	484.433	533.905
7) L2 Aroclor-1016 {5}	8.33	7.31	124.4E6	213.2E6	486.894	485.568
Sum Aroclor-1016			633.6E6	1461.2E6	2436.052	2491.467
Average Aroclor-1016					487.210	498.293
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	406.9E6	407.8E6	499.680	479.103
34) L8 Aroclor-1260 {2}	14.39	13.85	190.5E6	324.2E6	395.236	465.755
35) L8 Aroclor-1260 {3}	16.01	14.82	596.3E6	351.8E6	496.263	470.607
36) L8 Aroclor-1260 {4}	16.93	15.77	288.5E6	816.0E6	499.002	478.645
37) L8 Aroclor-1260 {5}	18.95	18.81	155.7E6	227.6E6	466.846	461.579
Sum Aroclor-1260			1637.9E6	2127.4E6	2357.026	2355.689
Average Aroclor-1260					471.405	471.138

(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\R9680.D\ECD1B.CH Vial: 28
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9680.D\ECD2A.CH
Acq On : 26 Feb 2003 16:28 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 16:51:31 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	1066.6E6	1421.9E6	50.317	50.038
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.32%#	50.04%#
2) S DCB	21.04	20.01	326.3E6	408.9E6	31.712	37.049
Spiked Amount 100.000 Recovery =					31.71%	37.05%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	112.5E6	154.3E6	551.472	549.739
4) L2 Aroclor-1016 {2}	6.11	5.51	150.1E6	281.5E6	542.103	510.234
5) L2 Aroclor-1016 {3}	7.07	6.69	196.7E6	609.1E6	526.867	530.276
6) L2 Aroclor-1016 {4}	7.88	7.03	101.7E6	308.2E6	531.111	587.175
7) L2 Aroclor-1016 {5}	8.33	7.32	135.0E6	234.7E6	528.552	534.610
Sum Aroclor-1016			696.0E6	1587.7E6	2680.105	2712.035
Average Aroclor-1016					536.021	542.407
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	426.4E6	446.4E6	523.596	524.414
34) L8 Aroclor-1260 {2}	14.39	13.85	186.2E6	351.0E6	386.291m	504.250 #
35) L8 Aroclor-1260 {3}	16.02	14.82	629.3E6	383.4E6	523.717	512.777
36) L8 Aroclor-1260 {4}	16.93	15.77	300.4E6	879.9E6	519.636	516.179
37) L8 Aroclor-1260 {5}	18.96	18.81	165.5E6	249.8E6	496.254	506.660
Sum Aroclor-1260			1707.7E6	2310.5E6	2449.494	2564.280
Average Aroclor-1260					489.899	512.856

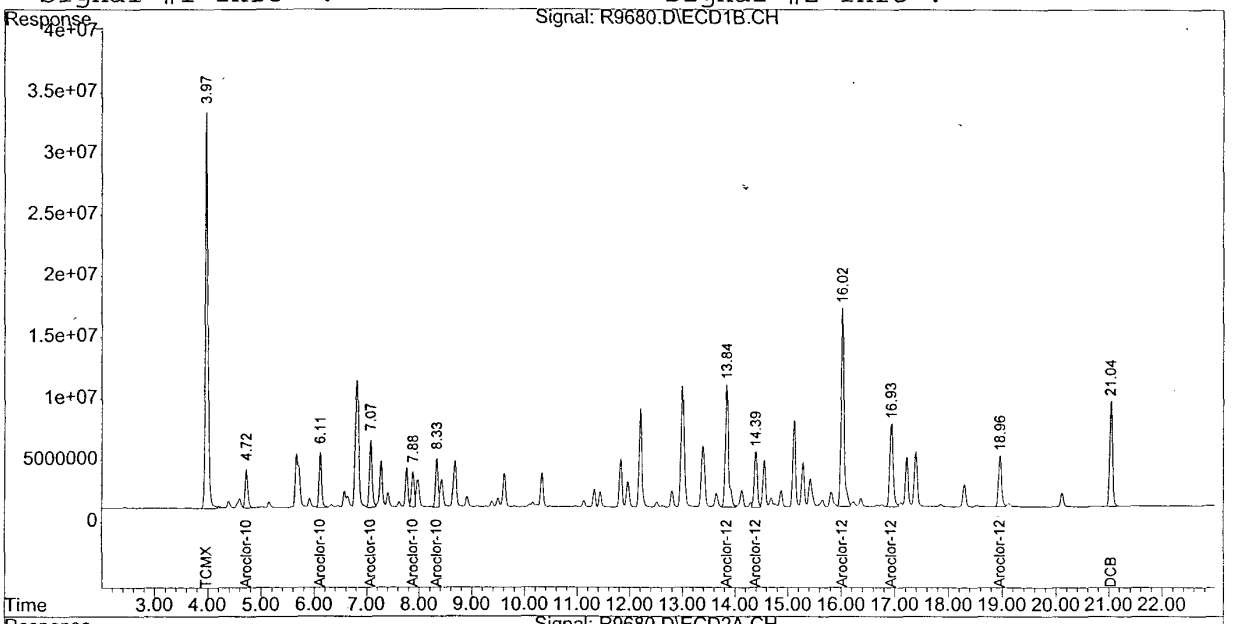
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

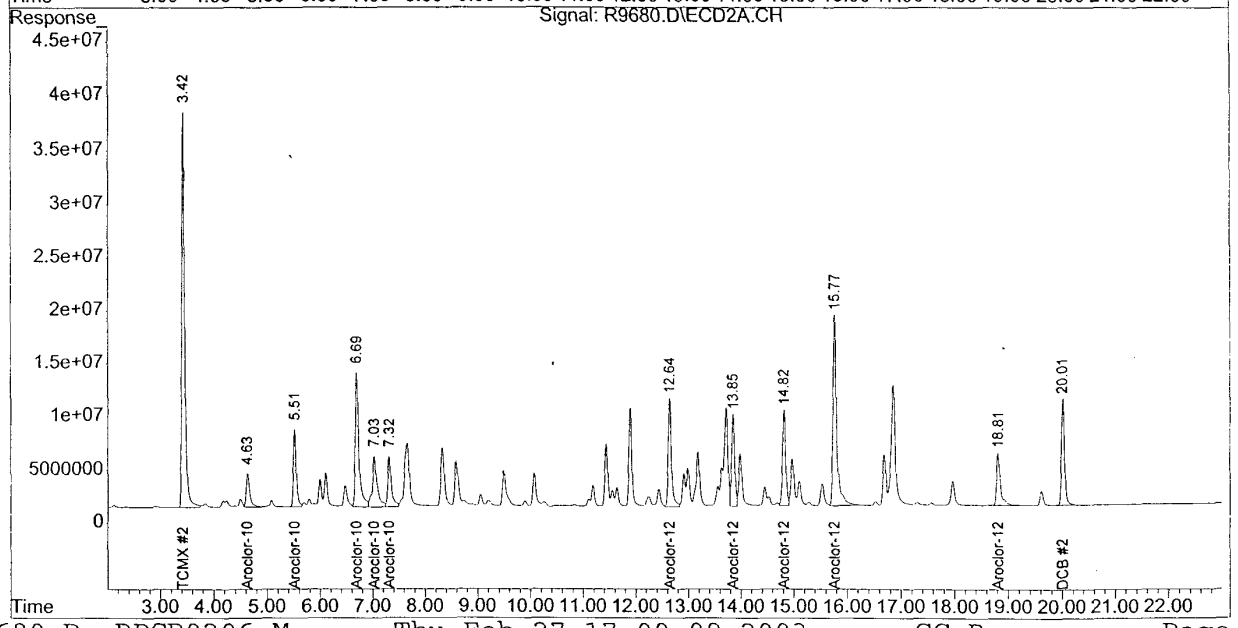
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9680.D\ECD1B.CH Vial: 28
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9680.D\ECD2A.CH
Acq On : 26 Feb 2003 16:28 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 8:31 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 :





0434

303274

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9694.D\ECD1B.CH Vial: 42
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9694.D\ECD2A.CH
Acq On : 26 Feb 2003 22:35 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 22:58:49 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	1071.1E6	1416.9E6	50.533	49.859
Spiked Amount 100.000 Range 75 - 125 Recovery =					50.53%#	49.86%#
2) S DCB	21.04	20.01	322.1E6	396.4E6	31.308	35.917
Spiked Amount 100.000 Recovery =					31.31%	35.92%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	107.6E6	154.8E6	527.563	551.713
4) L2 Aroclor-1016 {2}	6.11	5.51	144.8E6	282.0E6	522.921	511.227
5) L2 Aroclor-1016 {3}	7.07	6.69	192.7E6	607.4E6	516.117	528.797
6) L2 Aroclor-1016 {4}	7.88	7.03	99292538	303.0E6	518.522	577.318
7) L2 Aroclor-1016 {5}	8.33	7.32	133.0E6	230.9E6	520.501	525.947
Sum Aroclor-1016			677.4E6	1578.2E6	2605.625	2695.002
Average Aroclor-1016					521.125	539.000
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	422.6E6	429.3E6	519.000	504.276
34) L8 Aroclor-1260 {2}	14.39	13.85	179.2E6	340.7E6	371.890	489.412 #
35) L8 Aroclor-1260 {3}	16.02	14.82	627.1E6	372.7E6	521.881	498.458
36) L8 Aroclor-1260 {4}	16.92	15.77	300.3E6	859.9E6	519.404	504.426
37) L8 Aroclor-1260 {5}	18.95	18.81	161.5E6	239.4E6	484.164	485.620
Sum Aroclor-1260			1690.7E6	2241.9E6	2416.339	2482.192
Average Aroclor-1260					483.268	496.438

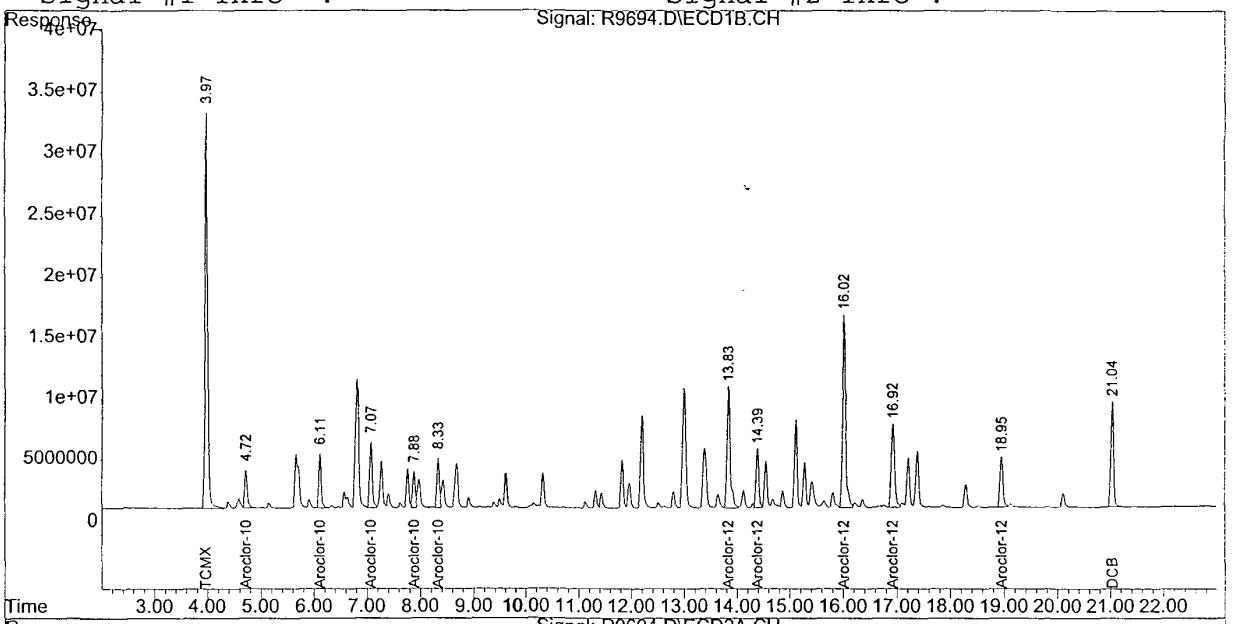
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

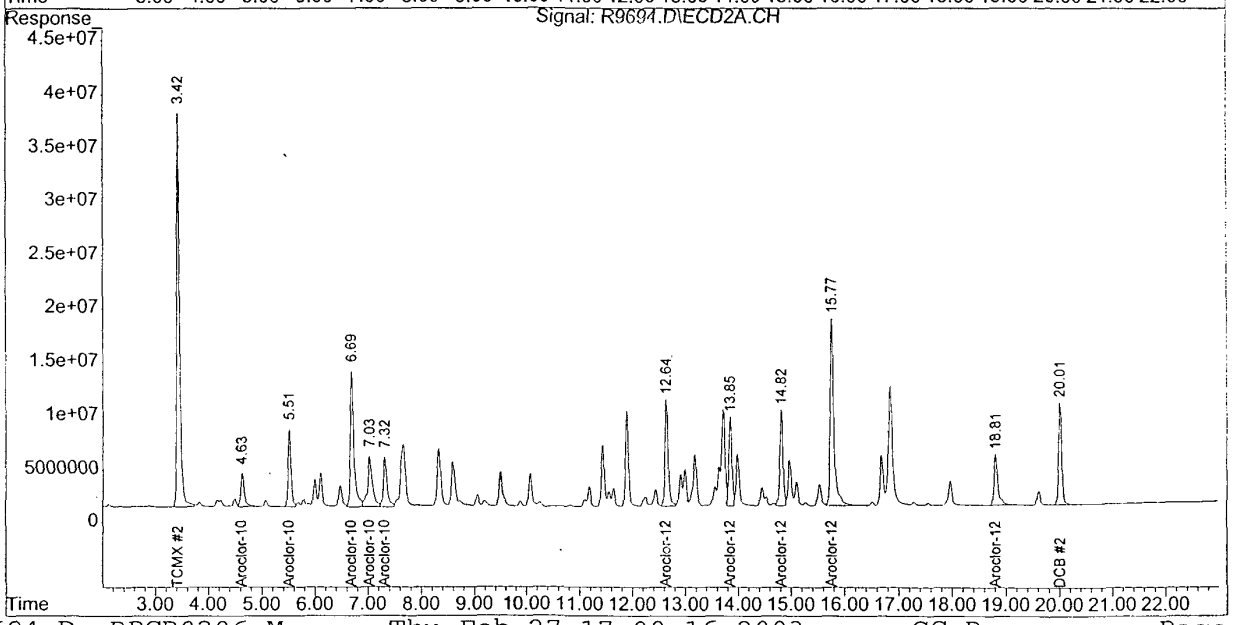
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9694.D\ECD1B.CH Vial: 42
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9694.D\ECD2A.CH
Acq On : 26 Feb 2003 22:35 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 8:31 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 :





0436

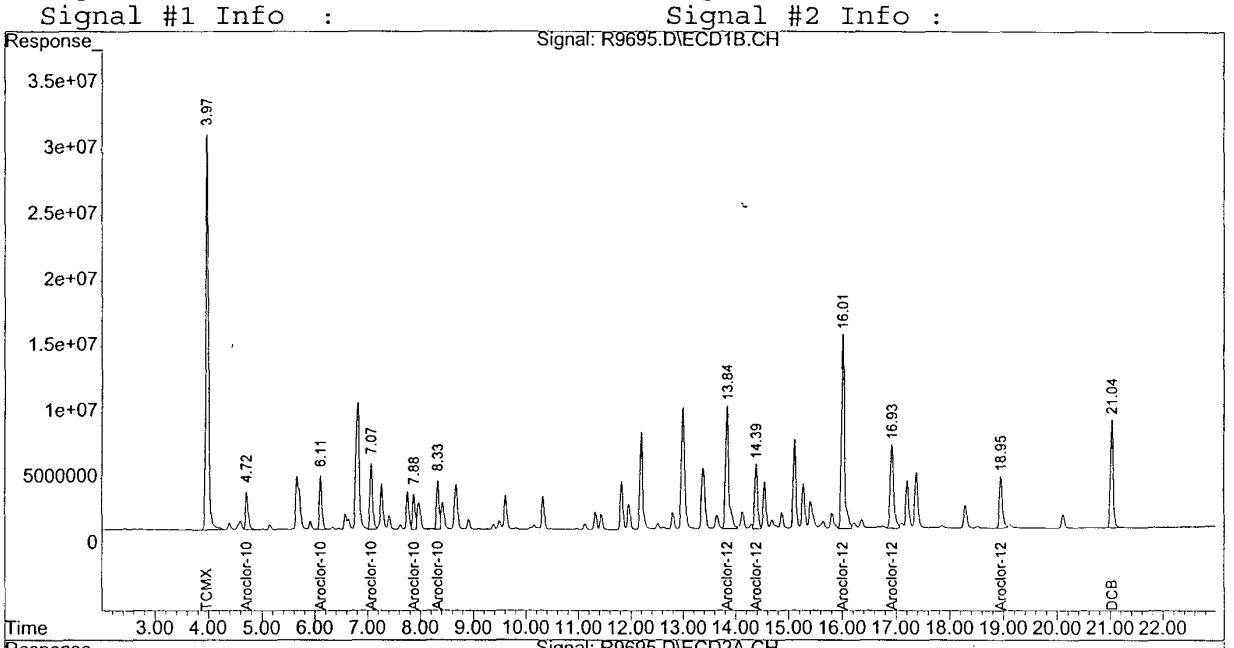
303276

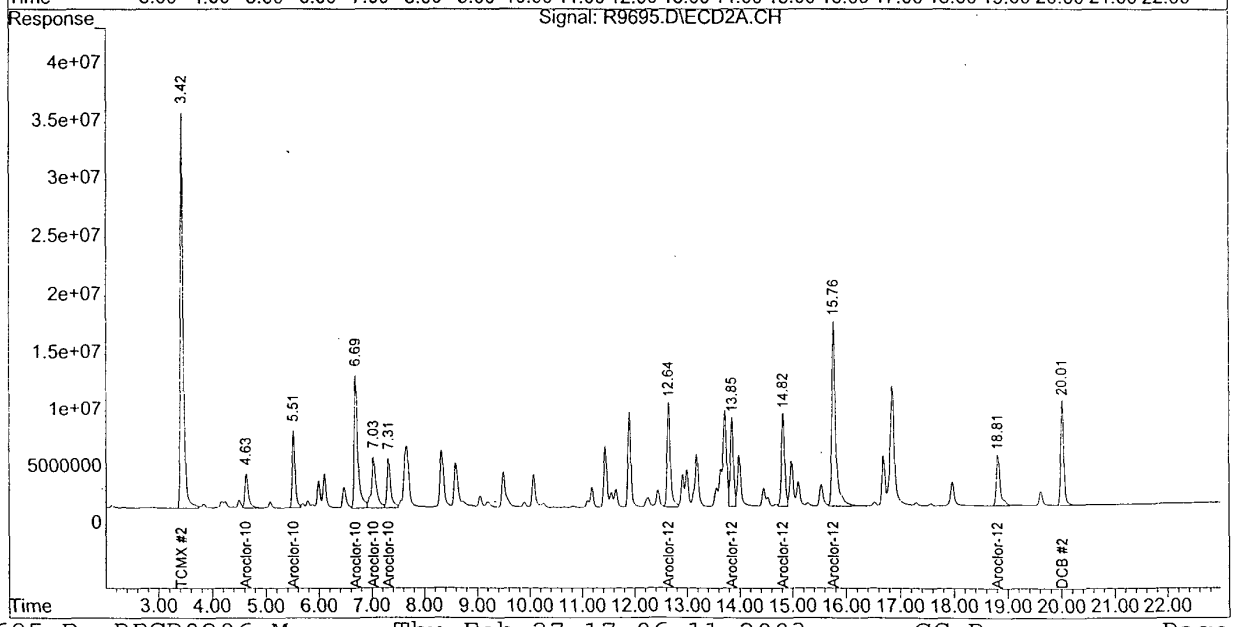
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9695.D\ECD1B.CH Vial: 43
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9695.D\ECD2A.CH
Acq On : 26 Feb 2003 23:01 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 8:31 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 :





0437

303277

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9710.D\ECD1B.CH Vial: 58
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9710.D\ECD2A.CH
Acq On : 27 Feb 2003 5:34 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 05:58:19 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	1010.8E6	1328.3E6	47.686	46.743
Spiked Amount 100.000 Range 75 - 125 Recovery =					47.69%#	46.74%#
2) S DCB	21.04	20.01	315.8E6	387.1E6	30.693	35.073
Spiked Amount 100.000 Recovery =					30.69%	35.07%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	101.8E6	143.4E6	499.257	511.019
4) L2 Aroclor-1016 {2}	6.11	5.51	138.2E6	264.1E6	499.333	478.705
5) L2 Aroclor-1016 {3}	7.07	6.69	183.9E6	563.6E6	492.417	490.646
6) L2 Aroclor-1016 {4}	7.88	7.03	94486982	250.9E6	493.427	478.071m
7) L2 Aroclor-1016 {5}	8.33	7.31	126.3E6	214.0E6	494.329	487.421
Sum Aroclor-1016			644.7E6	1436.0E6	2478.763	2445.862
Average Aroclor-1016					495.753	489.172
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	404.7E6	414.5E6	497.033	486.966
34) L8 Aroclor-1260 {2}	14.39	13.85	233.9E6	337.5E6	485.398	484.844
35) L8 Aroclor-1260 {3}	16.02	14.82	602.2E6	361.3E6	501.123	483.275
36) L8 Aroclor-1260 {4}	16.93	15.77	286.8E6	845.8E6	496.075	496.170
37) L8 Aroclor-1260 {5}	18.96	18.81	158.2E6	235.4E6	474.369	477.493
Sum Aroclor-1260			1685.8E6	2194.6E6	2453.998	2428.748
Average Aroclor-1260					490.800	485.750

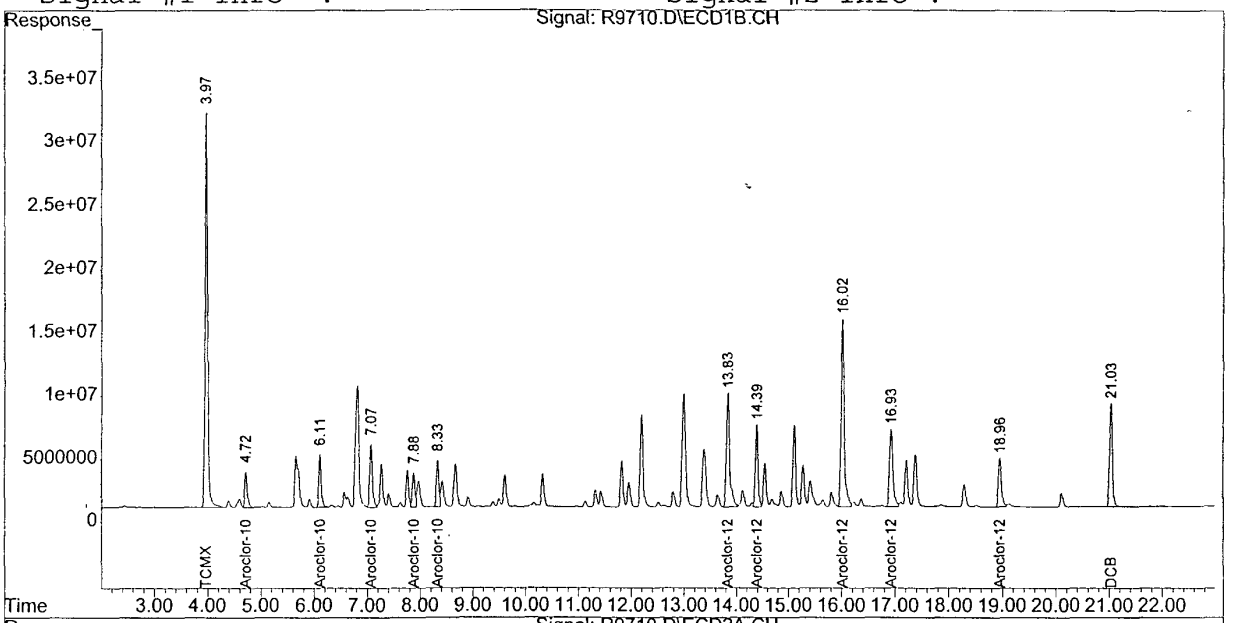
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

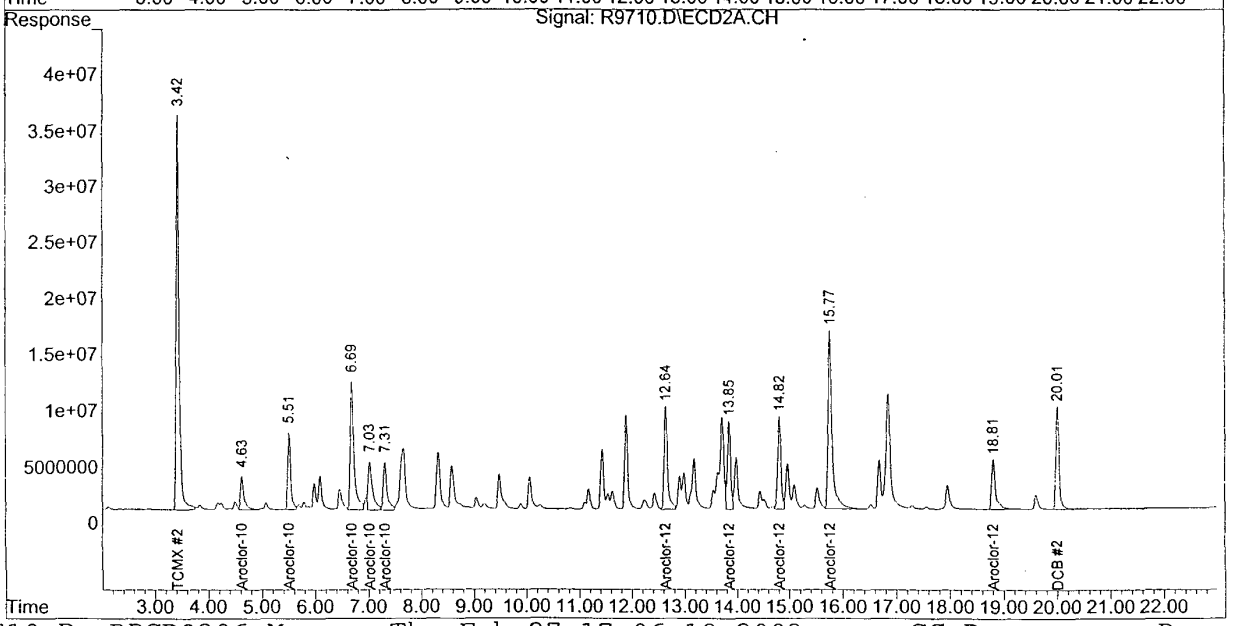
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\R9710.D\ECD1B.CH Vial: 58
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\R9710.D\ECD2A.CH
Acq On : 27 Feb 2003 5:34 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 14:56 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 :





0439

303279

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9713.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9713.D\ECD2A.CH
Acq On : 27 Feb 2003 12:11 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 12:34:50 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 : 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	999.1E6	1301.4E6	47.136	45.798
Spiked Amount 100.000 Range 75 - 125 Recovery =					47.14%#	45.80%#
2) S DCB	21.03	20.01	310.8E6	376.2E6	30.205	34.084
Spiked Amount 100.000 Recovery =					30.20%	34.08%
Target Compounds						
3) L2 Aroclor-1016	4.71	4.62	101.1E6	141.2E6	495.539	503.185
4) L2 Aroclor-1016 {2}	6.11	5.51	136.2E6	259.2E6	491.829	469.933
5) L2 Aroclor-1016 {3}	7.06	6.69	181.2E6	549.9E6	485.276	478.728
6) L2 Aroclor-1016 {4}	7.87	7.03	93171841	279.6E6	486.559	532.786
7) L2 Aroclor-1016 {5}	8.32	7.31	124.4E6	211.2E6	486.843	481.028
Sum Aroclor-1016			636.0E6	1441.1E6	2446.046	2465.659
Average Aroclor-1016					489.209	493.132
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	401.8E6	403.7E6	493.498	474.214
34) L8 Aroclor-1260 {2}	14.38	13.85	233.2E6	327.9E6	483.959	471.007
35) L8 Aroclor-1260 {3}	16.01	14.82	598.9E6	350.2E6	498.393	468.387
36) L8 Aroclor-1260 {4}	16.92	15.76	286.8E6	809.8E6	496.119	475.043
37) L8 Aroclor-1260 {5}	18.95	18.81	154.5E6	227.7E6	463.333	461.784
Sum Aroclor-1260			1675.3E6	2119.2E6	2435.303	2350.436
Average Aroclor-1260					487.061	470.087

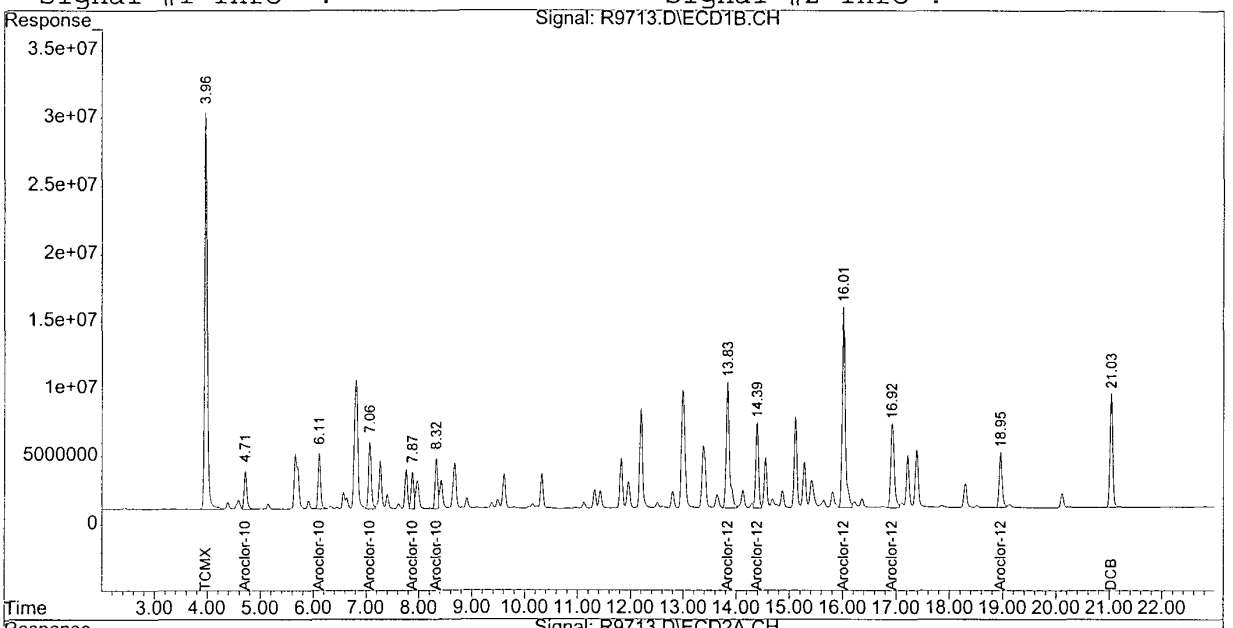
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

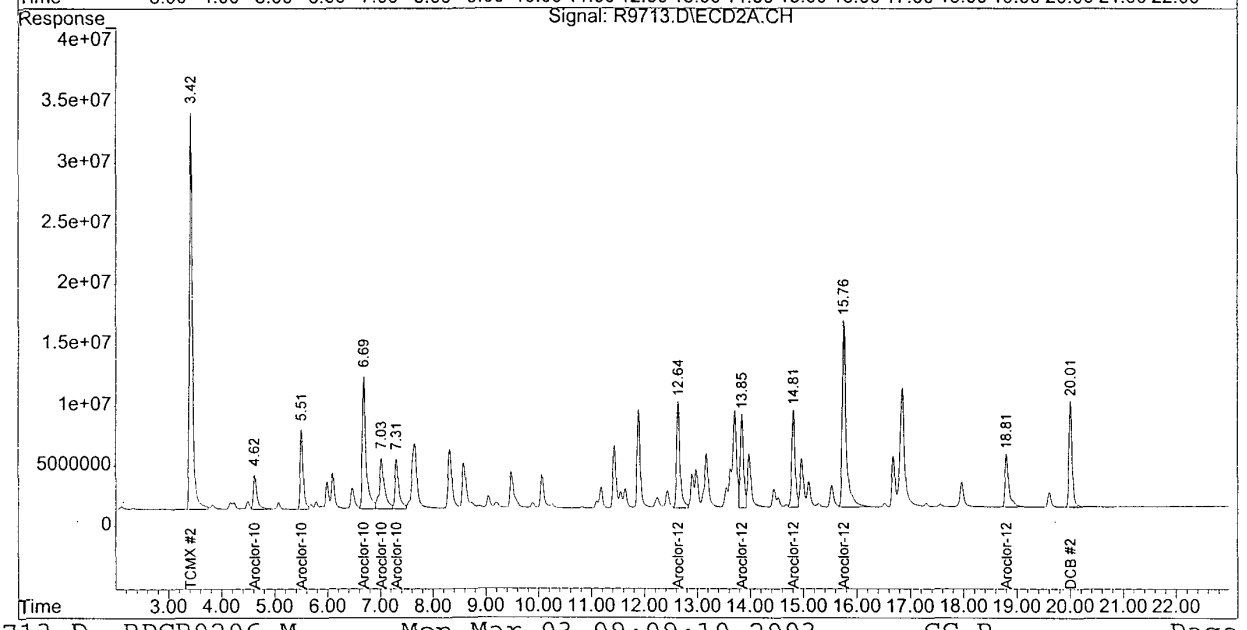
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9713.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9713.D\ECD2A.CH
Acq On : 27 Feb 2003 12:11 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: Mar 3 8:13 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 :





0441

303281

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9718.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9718.D\ECD2A.CH
Acq On : 27 Feb 2003 14:26 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 14:49:32 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 : 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	987.0E6	1311.5E6	46.562	46.152
Spiked Amount 100.000 Range 75 - 125 Recovery =					46.56%#	46.15%#
2) S DCB	21.04	20.01	306.9E6	706.4E6	29.831	64.001 #
Spiked Amount 100.000 Recovery =					29.83%	64.00%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	100.1E6	140.6E6	490.780	500.917
4) L2 Aroclor-1016 {2}	6.11	5.51	135.6E6	260.2E6	489.814	471.692
5) L2 Aroclor-1016 {3}	7.07	6.69	180.4E6	564.5E6	483.086	491.492
6) L2 Aroclor-1016 {4}	7.88	7.03	93160765	251.3E6	486.501	478.792m
7) L2 Aroclor-1016 {5}	8.33	7.32	124.4E6	211.4E6	486.799	481.580
Sum Aroclor-1016			633.6E6	1428.0E6	2436.980	2424.473
Average Aroclor-1016					487.396	484.895
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	12.65	395.7E6	407.5E6	485.966	478.664
34) L8 Aroclor-1260 {2}	14.39	13.85	327.6E6	327.5E6	679.789	470.560 #
35) L8 Aroclor-1260 {3}	16.02	14.82	585.5E6	352.5E6	487.233	471.437
36) L8 Aroclor-1260 {4}	16.93	15.77	280.8E6	815.0E6	485.616	478.070
37) L8 Aroclor-1260 {5}	18.96	18.81	166.8E6	226.6E6	500.218	459.702
Sum Aroclor-1260			1756.4E6	2129.1E6	2638.822	2358.433
Average Aroclor-1260					527.764	471.687

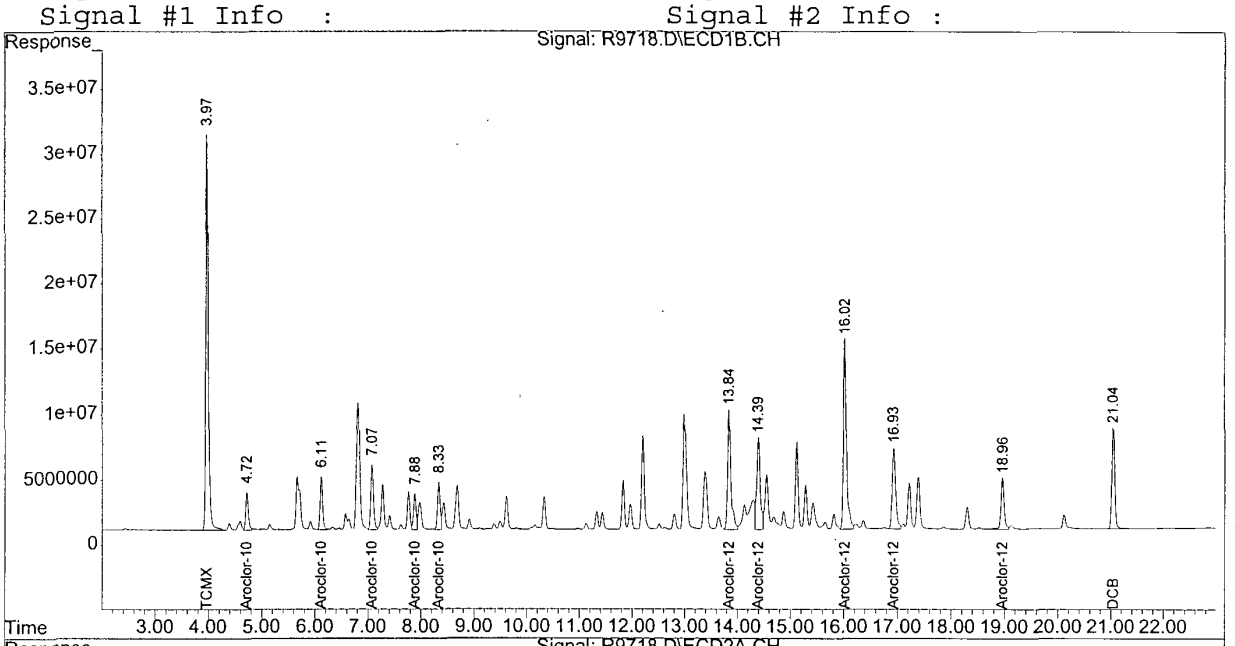
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

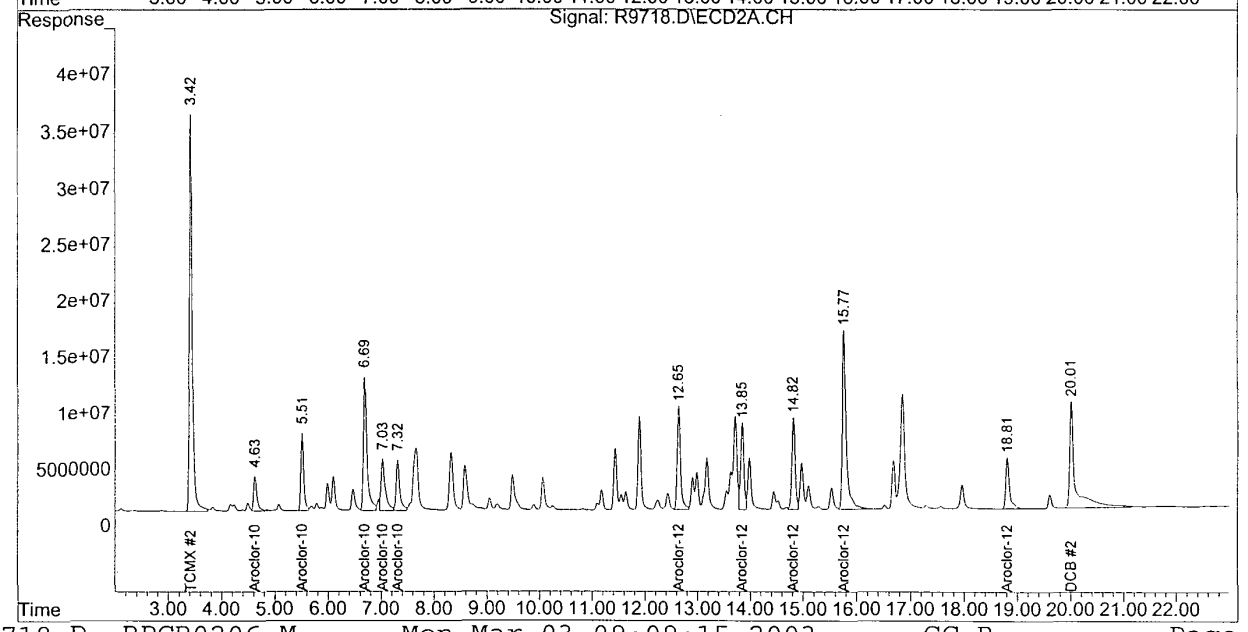
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9718.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9718.D\ECD2A.CH
Acq On : 27 Feb 2003 14:26 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 14:52 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 : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

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





0443

303283

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9719.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9719.D\ECD2A.CH
Acq On : 27 Feb 2003 15:54 Operator: LIMS impo
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 16:17:51 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	3.43	996.4E6	1316.8E6	47.006	46.340
Spiked Amount 100.000 Range 75 - 125 Recovery =					47.01%#	46.34%#
2) S DCB	21.04	20.02	304.9E6	375.7E6	29.630	34.040
Spiked Amount 100.000 Recovery =					29.63%	34.04%
Target Compounds						
3) L2 Aroclor-1016	4.71	4.64	100.5E6	142.8E6	492.774	508.799
4) L2 Aroclor-1016 {2}	6.10	5.52	136.8E6	261.6E6	494.065	474.143
5) L2 Aroclor-1016 {3}	7.06	6.70	184.3E6	567.0E6	493.478	493.588
6) L2 Aroclor-1016 {4}	7.87	7.04	94913192	281.5E6	495.652	536.365
7) L2 Aroclor-1016 {5}	8.32	7.33	126.5E6	213.9E6	495.338	487.055
Sum Aroclor-1016			643.0E6	1466.6E6	2471.308	2499.950
Average Aroclor-1016					494.262	499.990
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	12.65	401.2E6	410.1E6	492.742	481.745
34) L8 Aroclor-1260 {2}	14.38	13.86	234.2E6	329.0E6	486.009	472.690
35) L8 Aroclor-1260 {3}	16.01	14.83	604.1E6	356.7E6	502.727	477.108
36) L8 Aroclor-1260 {4}	16.92	15.77	289.2E6	844.4E6	500.267	495.324
37) L8 Aroclor-1260 {5}	18.95	18.82	160.1E6	229.5E6	479.982	465.588
Sum Aroclor-1260			1688.8E6	2169.7E6	2461.727	2392.455
Average Aroclor-1260					492.345	478.491

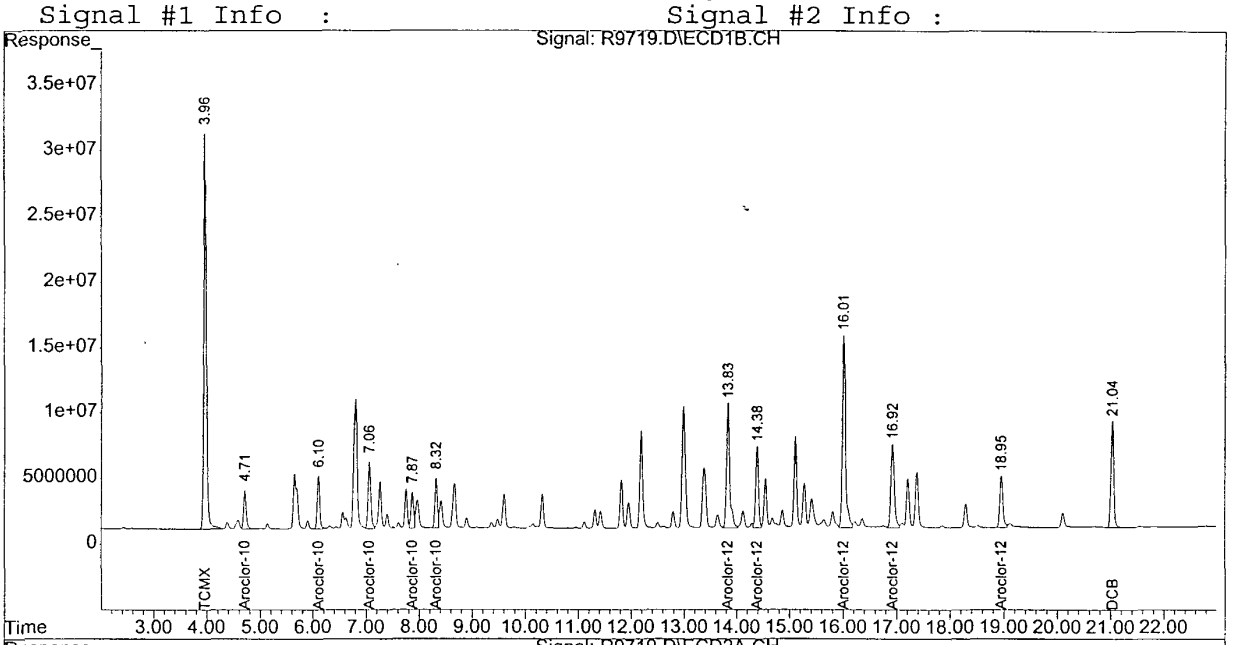
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

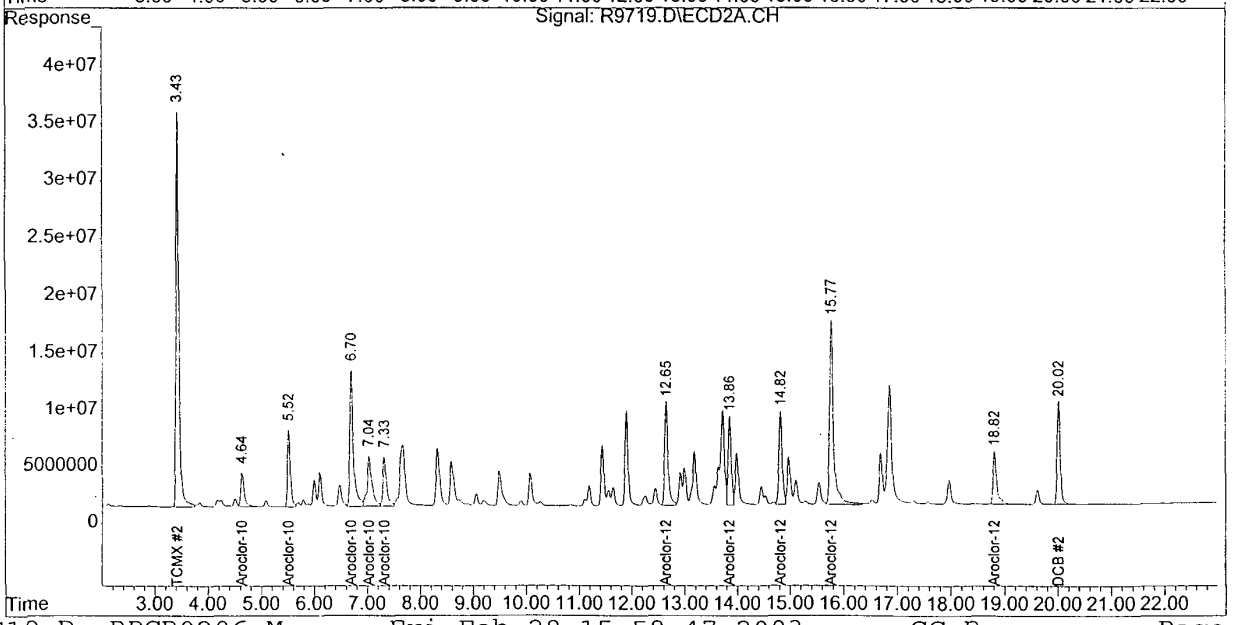
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9719.D\ECD1B.CH Vial: 6
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9719.D\ECD2A.CH
Acq On : 27 Feb 2003 15:54 Operator: LIMS impc
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 16:22 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 : Multiple Level Calibration
DataAcq Meth : RPCB0206.M

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





0445

303285

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9724.D\ECD1B.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9724.D\ECD2A.CH
Acq On : 27 Feb 2003 18:05 Operator: LIMS impo
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 18:29:02 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	1025.8E6	1372.4E6	48.392	48.294
Spiked Amount 100.000 Range 75 - 125 Recovery =					48.39%#	48.29%#
2) S DCB	21.04	20.01	306.3E6	387.6E6	29.763	35.119
Spiked Amount 100.000 Recovery =					29.76%	35.12%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	103.5E6	148.6E6	507.296	529.648
4) L2 Aroclor-1016 {2}	6.11	5.52	139.4E6	270.8E6	503.628	490.981
5) L2 Aroclor-1016 {3}	7.07	6.70	185.7E6	585.1E6	497.234	509.378
6) L2 Aroclor-1016 {4}	7.88	7.03	95655997	264.9E6	499.531	504.652
7) L2 Aroclor-1016 {5}	8.33	7.32	128.2E6	222.4E6	501.894	506.577
Sum Aroclor-1016			652.4E6	1491.8E6	2509.584	2541.236
Average Aroclor-1016					501.917	508.247
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	12.65	405.6E6	422.1E6	498.053	495.817
34) L8 Aroclor-1260 {2}	14.39	13.85	236.2E6	340.0E6	490.095	488.402
35) L8 Aroclor-1260 {3}	16.02	14.82	601.5E6	365.2E6	500.540	488.476
36) L8 Aroclor-1260 {4}	16.93	15.77	288.2E6	842.2E6	498.431	494.055
37) L8 Aroclor-1260 {5}	18.96	18.82	157.1E6	237.3E6	471.148	481.433
Sum Aroclor-1260			1688.5E6	2206.8E6	2458.266	2448.183
Average Aroclor-1260					491.653	489.637

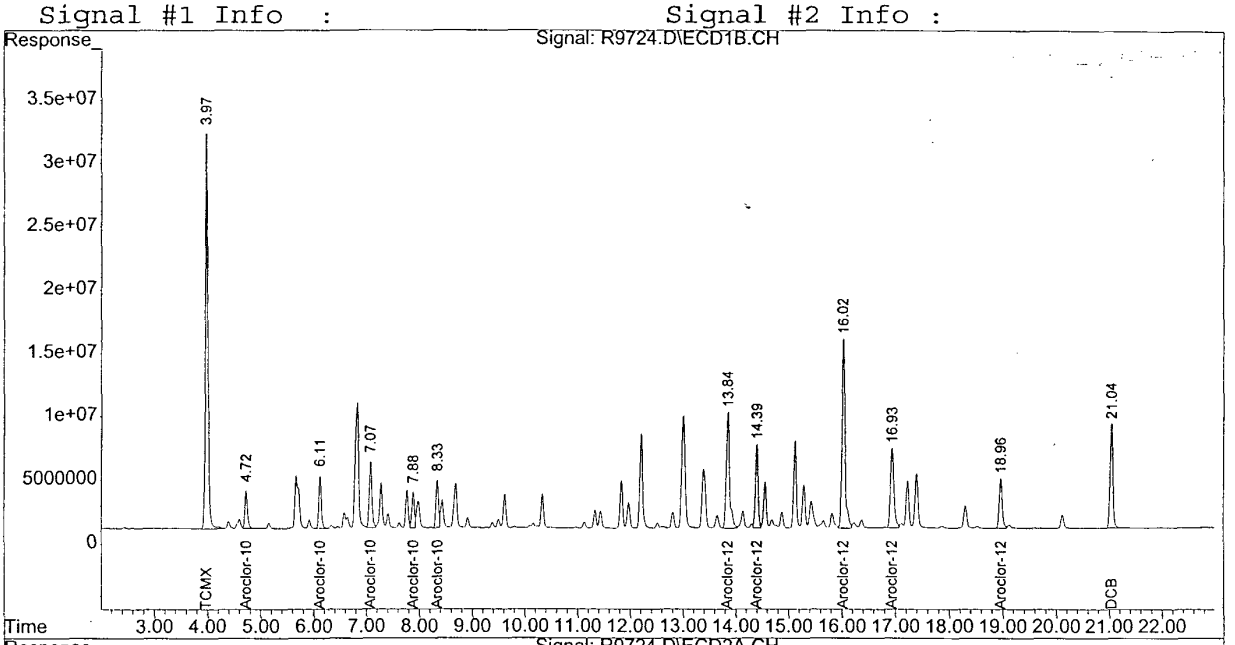
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

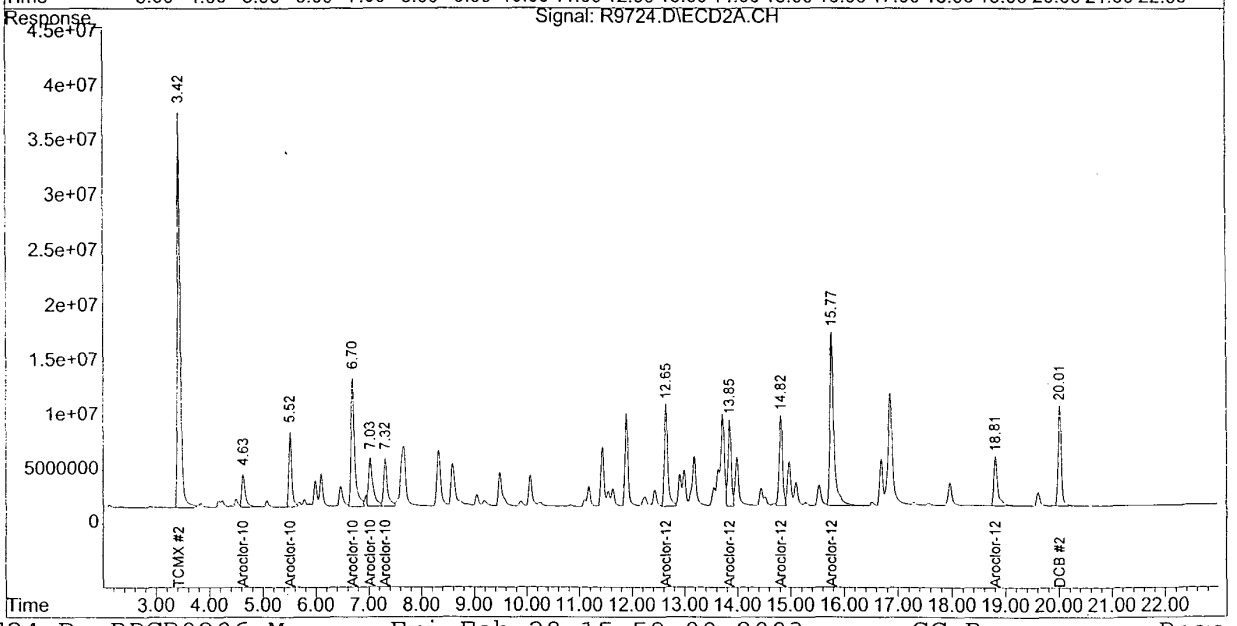
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\R9724.D\ECD1B.CH Vial: 11
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\R9724.D\ECD2A.CH
Acq On : 27 Feb 2003 18:05 Operator: LIMS impo
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 28 7:32 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 :





0447

303287

Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9761.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9761.D\ECD2A.CH
Acq On : 28 Feb 2003 21:13 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 28 21:36:30 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 : 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	1025.2E6	1363.0E6	48.366	47.964
Spiked Amount 100.000 Range 75 - 125 Recovery =					48.37%#	47.96%#
2) S DCB	21.04	20.01	308.5E6	387.7E6	29.984	35.130
Spiked Amount 100.000 Recovery =					29.98%	35.13%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	103.4E6	148.0E6	506.810	527.465
4) L2 Aroclor-1016 {2}	6.11	5.51	139.5E6	269.1E6	503.819	487.742
5) L2 Aroclor-1016 {3}	7.07	6.70	185.6E6	578.4E6	497.009	503.534
6) L2 Aroclor-1016 {4}	7.88	7.03	95341264	291.9E6	497.888	556.195
7) L2 Aroclor-1016 {5}	8.33	7.32	128.0E6	220.1E6	501.153	501.258
Sum Aroclor-1016			651.8E6	1507.4E6	2506.679	2576.193
Average Aroclor-1016					501.336	515.239
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	406.2E6	420.0E6	498.880	493.348
34) L8 Aroclor-1260 {2}	14.39	13.85	237.9E6	340.2E6	493.636	488.725
35) L8 Aroclor-1260 {3}	16.02	14.82	600.5E6	364.4E6	499.783	487.350
36) L8 Aroclor-1260 {4}	16.93	15.77	286.8E6	845.5E6	495.985	495.950
37) L8 Aroclor-1260 {5}	18.96	18.82	156.1E6	237.8E6	468.235	482.276
Sum Aroclor-1260			1687.6E6	2207.7E6	2456.519	2447.649
Average Aroclor-1260					491.304	489.530

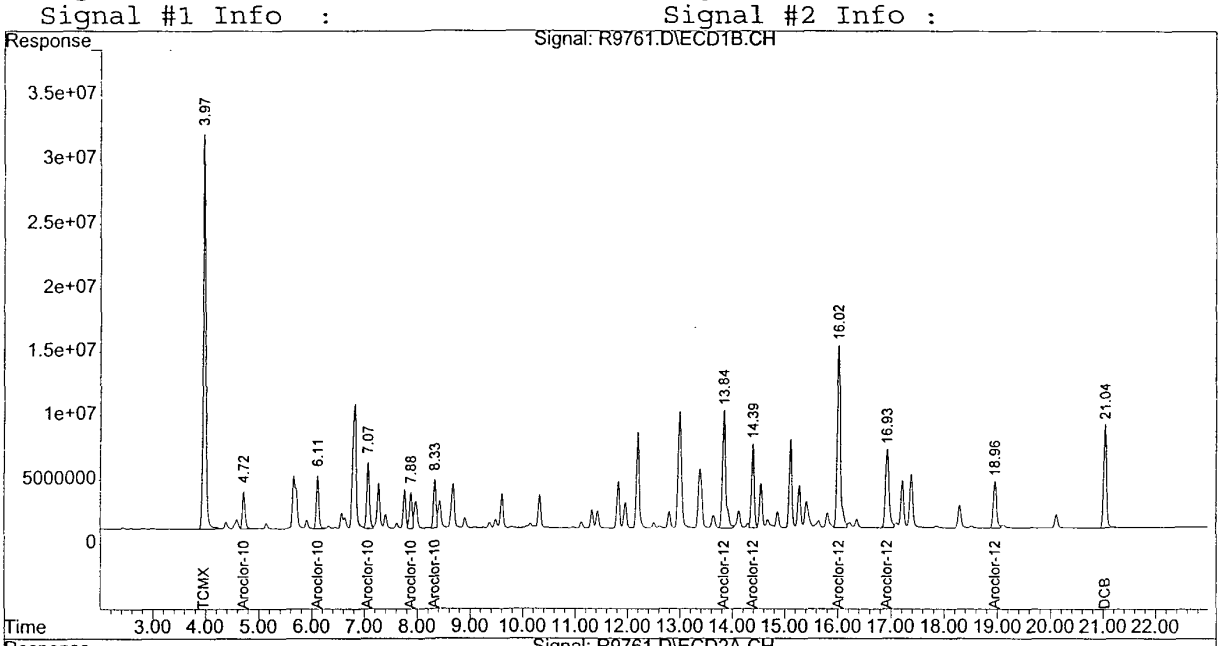
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

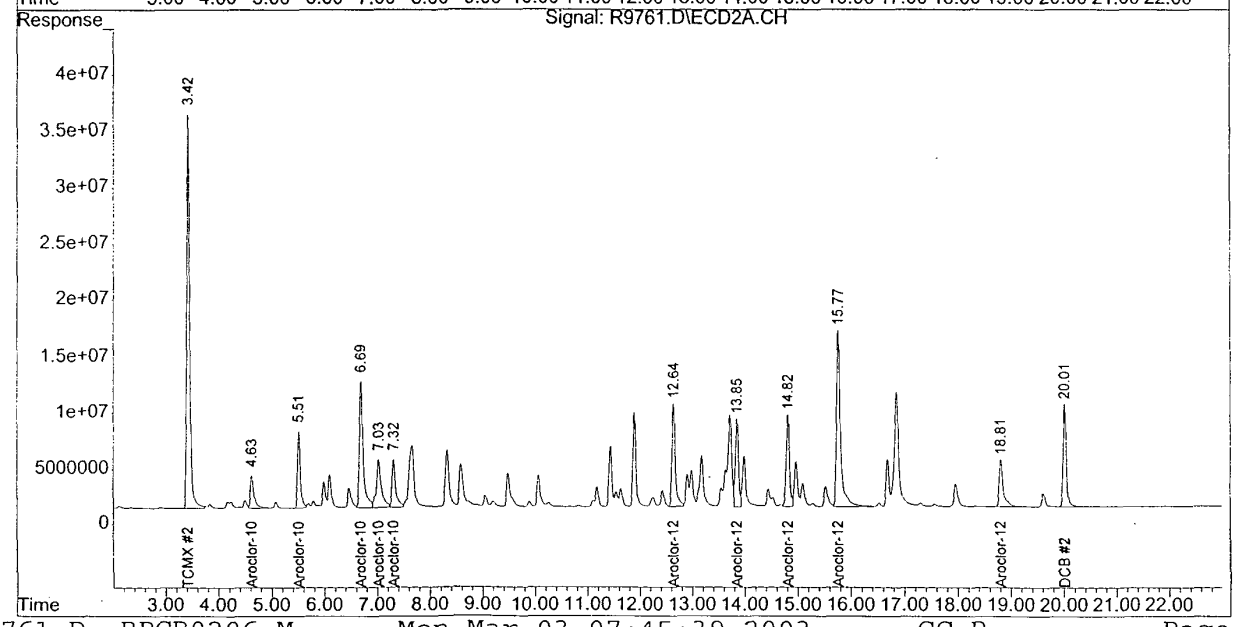
Quantitation Report (Not Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9761.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9761.D\ECD2A.CH
Acq On : 28 Feb 2003 21:13 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: Mar 3 7:21 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 :





0449

303289

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9764.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9764.D\ECD2A.CH
Acq On : 28 Feb 2003 22:31 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 28 22:55:04 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 : 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	1025.2E6	1357.4E6	48.363	47.768
Spiked Amount 100.000 Range 75 - 125 Recovery =					48.36%#	47.77%#
2) S DCB	21.04	20.01	316.3E6	570.2E6	30.742	51.660 #
Spiked Amount 100.000 Recovery =					30.74%	51.66%
Target Compounds						
3) L2 Aroclor-1016	4.72	4.63	103.6E6	147.2E6	507.836	524.577
4) L2 Aroclor-1016 {2}	6.11	5.51	139.9E6	269.0E6	505.478	487.730
5) L2 Aroclor-1016 {3}	7.07	6.69	186.1E6	581.5E6	498.429	506.236
6) L2 Aroclor-1016 {4}	7.88	7.03	96170211	289.8E6	502.217	552.139
7) L2 Aroclor-1016 {5}	8.33	7.31	128.6E6	219.5E6	503.372	499.842
Sum Aroclor-1016			654.4E6	1507.0E6	2517.332	2570.525
Average Aroclor-1016					503.466	514.105
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	404.8E6	415.0E6	497.088	487.562
34) L8 Aroclor-1260 {2}	14.39	13.85	281.1E6	332.8E6	583.230m	478.046
35) L8 Aroclor-1260 {3}	16.02	14.82	590.8E6	359.0E6	491.662	480.196
36) L8 Aroclor-1260 {4}	16.93	15.76	281.0E6	832.9E6	485.980	488.570
37) L8 Aroclor-1260 {5}	18.95	18.81	161.0E6	230.9E6	482.914	468.331
Sum Aroclor-1260			1718.6E6	2170.6E6	2540.874	2402.705
Average Aroclor-1260					508.175	480.541

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

0150

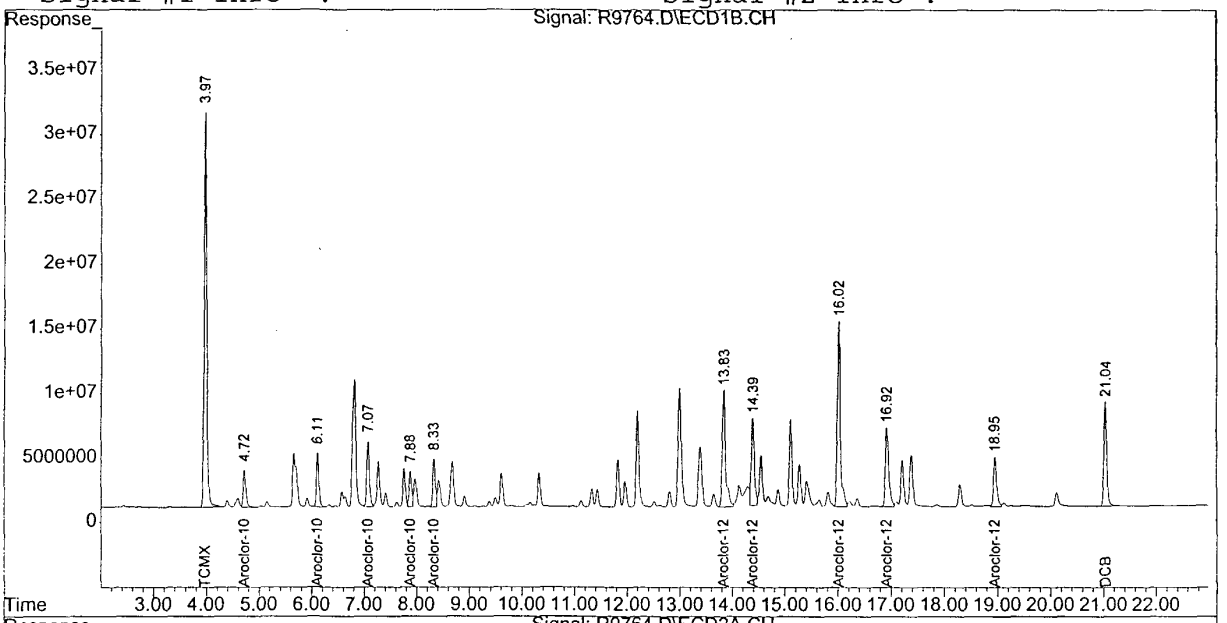
303290

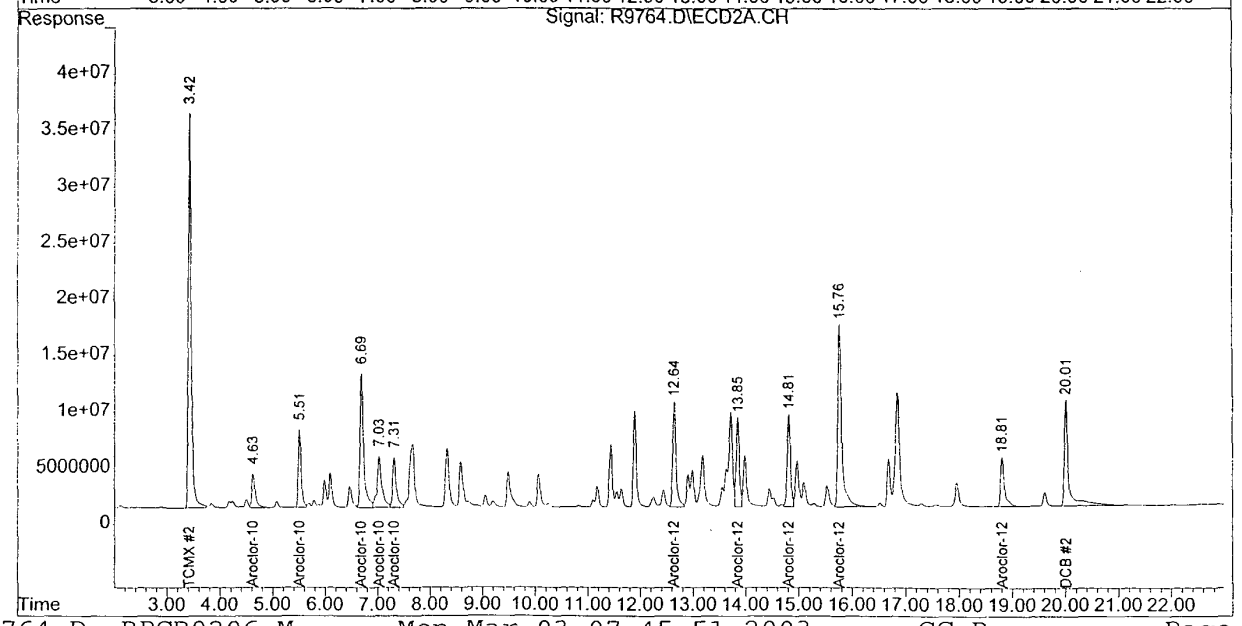
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-28-03\R9764.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-28-03\R9764.D\ECD2A.CH
Acq On : 28 Feb 2003 22:31 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: Mar 3 7:25 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 :





0451

303291

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\R_FEB-03\02-06-03\R4854.D\ECD1B.CH Vial: 8
Signal #2 : C:\MSDCHEM\1\DATA\R_FEB-03\02-06-03\R4854.D\ECD2A.CH
Acq On : 06 Feb 2003 11:58 Operator: MJ
Sample : 8082_1242_IAS_1898,0.5_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 06 13:23:50 2003 Quant Results File: RPCB0206.RES

Quant Method : C:\MSDCHEM\1\METHODS\RPCB0206.M (Chemstation Integrator)
Title :
Last Update : Thu Feb 06 13:22:21 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	915.5E6	1209.7E6	43.727	43.228
Spiked Amount 100.000 Range 75 - 125 Recovery =					43.73%#	43.23%#
2) S DCB	21.04	20.02	341.5E6	426.2E6	33.817	39.837
Spiked Amount 100.000 Recovery =					33.82%	39.84%
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
18) L5 Aroclor-1242	6.11	5.99	94588347	66114078	500.000	500.000
19) L5 Aroclor-1242 {2}	7.88	7.32	63998832	144.2E6	500.000	500.000
20) L5 Aroclor-1242 {3}	8.43	8.33	73551206	185.2E6	500.000	500.000
21) L5 Aroclor-1242 {4}	9.59	9.55	129.9E6	196.4E6	500.000	515.607m
22) L5 Aroclor-1242 {5}	10.09	10.24	115.9E6	140.7E6	500.000	500.000
Sum Aroclor-1242			477.9E6	732.5E6	2500.000	2515.607
Average Aroclor-1242					500.000	503.121
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.

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: P4254.D

Instrument ID: GC-P

Date Extracted: 02/26/2003

Matrix: AQUEOUS

Date Analyzed: 02/26/2003

Time Analyzed: 14:39

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
LBSA0203	01389-001	02/26/2003	15:06
VPM_MID	01393-001	02/26/2003	15:30
VPM_SURFACE	01393-002	02/26/2003	15:54
VPS_SURFACE	01393-003	02/26/2003	16:18
VPS_MID	01393-004	02/26/2003	16:43
VPN_SURFACE	01393-005	02/26/2003	17:07
VPN_MID	01393-006	02/26/2003	17:31
FB	01393-007	02/26/2003	17:55
CONPILE	01376-001	02/26/2003	18:20
FIELD_BLANK	01398-001	02/26/2003	18:44
PEST	01376-001MS2	02/26/2003	19:08
PEST	PBA0226-MS2	02/26/2003	19:32
PEST	01376-001-MSD2	02/26/2003	19:56

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0226-BK2
Client ID: (01376.01398)
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: P4254.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: W6904.D

Instrument ID: GC-W

Date Extracted: 02/21/2003

Matrix: SOIL

Date Analyzed: 02/21/2003

Time Analyzed: 02:51

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T12-0/0-	01235-001	02/21/2003	03:15
SB-T12-11/1	01235-002	02/21/2003	03:39
SB-T12-14/1	01235-003	02/21/2003	04:03
SB-W13-0/0-	01235-004	02/21/2003	04:27
SB-W13-12/1	01235-005	02/21/2003	04:52
SW13-19/19-	01235-006	02/21/2003	05:16
SB-W15-0/0-	01235-007	02/21/2003	05:40
SB-W15-11.5	01235-008	02/21/2003	06:04
SB-W15-16.5	01235-009	02/21/2003	06:29
PEST	01235-009MS1	02/21/2003	06:53
PEST	01235-009MSD1	02/21/2003	07:17
PEST	PBS0221-MS1	02/21/2003	07:41

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0221-BK1
Client ID: (01235)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6904.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.004
beta-BHC	ND		0.004
gamma-BHC	ND		0.004
delta-BHC	ND		0.004
Heptachlor	ND		0.004
Aldrin	ND		0.004
Heptachlor epoxide	ND		0.004
Endosulfan I	ND		0.004
4,4'-DDE	ND		0.004
Dieldrin	ND		0.004
Endrin	ND		0.004
Endosulfan II	ND		0.004
4,4'-DDD	ND		0.004
Endrin aldehyde	ND		0.004
Endosulfan sulfate	ND		0.004
4,4'-DDT	ND		0.004
Endrin ketone	ND		0.004
Methoxychlor	ND		0.004
alpha-Chlordane	ND		0.004
gamma-Chlordane	ND		0.004
Toxaphene	ND		0.020

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6961.D

Instrument ID: GC-W

Date Extracted: 02/26/2003

Matrix: SOIL

Date Analyzed: 02/26/2003

Time Analyzed: 01:44

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-X13-0/0-0.5	01398-003	02/26/2003	02:11
SB-X13-8/8-8.5	01398-004	02/26/2003	02:35
SB-X13-23.5/23	01398-005	02/26/2003	02:59
SB-T15-0/0-0.5	01398-006	02/26/2003	03:23
SB-T15-8/8-8.5	01398-007	02/26/2003	03:48
SB-T28-8/8-11	01398-009	02/26/2003	04:36
SB-T28-15.5/15	01398-010	02/26/2003	05:00
SB-T28-28/28-2	01398-011	02/26/2003	05:24
SB-T28-37.5/37	01398-012	02/26/2003	05:49
SB-T28-28/28-2	01398-011	02/26/2003	06:13
PEST	PBS0226-MS1	02/26/2003	06:37

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0226-BK1
Client ID: (01398)
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/26/2003
Data file: W6961.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.004
beta-BHC	ND		0.004
gamma-BHC	ND		0.004
delta-BHC	ND		0.004
Heptachlor	ND		0.004
Aldrin	ND		0.004
Heptachlor epoxide	ND		0.004
Endosulfan I	ND		0.004
4,4'-DDE	ND		0.004
Dieldrin	ND		0.004
Endrin	ND		0.004
Endosulfan II	ND		0.004
4,4'-DDD	ND		0.004
Endrin aldehyde	ND		0.004
Endosulfan sulfate	ND		0.004
4,4'-DDT	ND		0.004
Endrin ketone	ND		0.004
Methoxychlor	ND		0.004
alpha-Chlordane	ND		0.004
gamma-Chlordane	ND		0.004
Toxaphene	ND		0.020

PESTICIDE METHOD BLANK SUMMARY

Lab File ID: W6904.D

Instrument ID: GC-W

Date Extracted: 02/21/2003

Matrix: SOIL

Date Analyzed: 02/21/2003

Time Analyzed: 02:51

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T12-0/0-	01235-001	02/21/2003	03:15
SB-T12-11/1	01235-002	02/21/2003	03:39
SB-T12-14/1	01235-003	02/21/2003	04:03
SB-W13-0/0-	01235-004	02/21/2003	04:27
SB-W13-12/1	01235-005	02/21/2003	04:52
SW13-19/19-	01235-006	02/21/2003	05:16
SB-W15-0/0-	01235-007	02/21/2003	05:40
SB-W15-11.5	01235-008	02/21/2003	06:04
SB-W15-16.5	01235-009	02/21/2003	06:29
PEST	01235-009MS1	02/21/2003	06:53
PEST	01235-009MSD1	02/21/2003	07:17
PEST	PBS0221-MS1	02/21/2003	07:41

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0221-BK1
Client ID: (01235)
Date Received: NA
Date Extracted: 02/21/2003
Date Analyzed: 02/21/2003
Data file: W6904.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.004
beta-BHC	ND		0.004
gamma-BHC	ND		0.004
delta-BHC	ND		0.004
Heptachlor	ND		0.004
Aldrin	ND		0.004
Heptachlor epoxide	ND		0.004
Endosulfan I	ND		0.004
4,4'-DDE	ND		0.004
Dieldrin	ND		0.004
Endrin	ND		0.004
Endosulfan II	ND		0.004
4,4'-DDD	ND		0.004
Endrin aldehyde	ND		0.004
Endosulfan sulfate	ND		0.004
4,4'-DDT	ND		0.004
Endrin ketone	ND		0.004
Methoxychlor	ND		0.004
alpha-Chlordane	ND		0.004
gamma-Chlordane	ND		0.004
Toxaphene	ND		0.020

PESTICIDE METHOD BLANK SUMMARY

Lab File ID:	P4297.D	Instrument ID:	GC-P
Date Extracted:	02/26/2003	Matrix:	SOIL
Date Analyzed:	02/27/2003	Time Analyzed:	22:18

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB-T28-0/0-	01398-008	02/27/2003	22:42
PEST	PBS0226-MS1	02/27/2003	23:06

INTEGRATED ANALYTICAL LABORATORIES

PESTICIDES

Client/Project: NA

Lab ID: 0226-BK1
Client ID: (01398)
Date Received: NA
Date Extracted: 02/26/2003
Date Analyzed: 02/27/2003
Data file: P4297.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.0g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 0.0

Compound	Concentration	Q	MDL
alpha-BHC	ND		0.004
beta-BHC	ND		0.004
gamma-BHC	ND		0.004
delta-BHC	ND		0.004
Heptachlor	ND		0.004
Aldrin	ND		0.004
Heptachlor epoxide	ND		0.004
Endosulfan I	ND		0.004
4,4'-DDE	ND		0.004
Dieldrin	ND		0.004
Endrin	ND		0.004
Endosulfan II	ND		0.004
4,4'-DDD	ND		0.004
Endrin aldehyde	ND		0.004
Endosulfan sulfate	ND		0.004
4,4'-DDT	ND		0.004
Endrin ketone	ND		0.004
Methoxychlor	ND		0.004
alpha-Chlordane	ND		0.004
gamma-Chlordane	ND		0.004
Toxaphene	ND		0.020

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 WI NDOW 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: 02/04/2003

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

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WI NDOW FROM	TO
alpha-BHC	4.70	4.69	4.70	4.69	4.70	4.70	4.63	4.77
beta-BHC	5.20	5.20	5.20	5.19	5.20	5.20	5.13	5.27
gamma-BHC	5.33	5.33	5.34	5.33	5.34	5.33	5.26	5.40
delta-BHC	5.81	5.81	5.81	5.81	5.81	5.81	5.74	5.88
Heptachlor	6.94	6.94	6.94	6.94	6.94	6.94	6.87	7.01
Aldrin	7.77	7.77	7.77	7.77	7.77	7.77	7.70	7.84
Heptachlor epoxide	8.79	8.79	8.79	8.78	8.79	8.79	8.72	8.86
Endosulfan I	9.71	9.71	9.71	9.71	9.71	9.71	9.64	9.78
4,4'-DDE	10.48	10.47	10.48	10.47	10.47	10.47	10.40	10.54
Dieldrin	10.41	10.41	10.41	10.41	10.41	10.41	10.34	10.48
Endrin	10.97	10.97	10.97	10.97	10.97	10.97	10.90	11.04
Endosulfan II	11.22	11.22	11.22	11.22	11.22	11.22	11.15	11.29
4,4'-DDD	11.60	11.60	11.60	11.60	11.60	11.60	11.53	11.67
Endrin aldehyde	11.75	11.75	11.75	11.75	11.74	11.75	11.68	11.82
Endosulfan sulfate	12.40	12.40	12.40	12.40	12.40	12.40	12.33	12.47
4,4'-DDT	12.63	12.63	12.63	12.62	12.62	12.62	12.55	12.69
Endrin ketone	13.62	13.62	13.62	13.62	13.62	13.62	13.55	13.69
Methoxychlor	14.31	14.30	14.30	14.30	14.30	14.30	14.23	14.37
alpha-Chlordane	9.81	9.81	9.82	9.81	9.82	9.81	9.74	9.88
gamma-Chlordane	9.40	9.40	9.40	9.40	9.40	9.40	9.33	9.47
Chlordane 500 ppb			8.57				8.50	8.64
Chlordane {2}			9.40				9.33	9.47
Chlordane {3}			9.60				9.53	9.67
Chlordane {4}			9.81				9.74	9.88
Chlordane {5}			9.96				9.89	10.03
Toxaphene 500 ppb			12.70				12.63	12.77
Toxaphene {2}			13.43				13.36	13.50
Toxaphene {3}			13.55				13.48	13.62
Toxaphene {4}			13.77				13.70	13.84
Toxaphene {5}			13.84				13.77	13.91

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (1st): DB-5

Data File: W6643.D W6644.D W6640.D W6641.D W6642.D

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	114898621	111859724	127483965	118391620	117709183	118068622	4.97
beta-BHC	45007146	40208468	45089716	41290972	40586645	42436589	5.69
gamma-BHC	106676296	101681918	115035429	106288612	104772065	106890864	4.64
delta-BHC	105296539	99978405	114180611	105922306	105536580	106182888	4.80
Heptachlor	90047088	84531055	96991426	87231381	84642970	88688784	5.82
Aldrin	102653109	95588975	106760164	96168908	92519646	98738160	5.88
Heptachlor epoxide	95357769	85581019	93556562	83262204	80136393	87578789	7.54
Endosulfan I	88889487	80027144	87763940	77583992	74239515	81700816	7.83
4,4'-DDE	88246801	84694679	97787811	88725539	84746335	88840233	6.02
Dieldrin	93656301	86410932	94537200	83910449	80486420	87800260	6.98
Endrin	80793117	75379589	85516140	77000846	73978508	78533640	5.94
Endosulfan II	84420047	76613497	83870055	75574819	72529803	78601644	6.72
4,4'-DDD	67133678	66352264	76362489	70057932	68213780	69624029	5.77
Endrin aldehyde	75681640	63981701	69711839	62425514	58618504	66083840	10.12
Endosulfan sulfate	80492614	71054852	77547477	70541449	67526439	73432566	7.32
4,4'-DDT	48680872	53086058	65902848	65325129	63160037	59230989	13.24
Endrin ketone	98249810	86393201	91187284	81728006	77609562	87033572	9.27
Methoxychlor	24751963	25490419	29416927	29358226	28396464	27482800	8.04
alpha-Chlordane	98628105	90737197	100788014	91620524	88943876	94143543	5.55
gamma-Chlordane	98368316	92169893	103085367	94067858	91501109	95838509	5.07
Chlordane 500 ppb			3272765				
Chlordane {2}			10697436				
Chlordane {3}			2443015				
Chlordane {4}			10548510				
Chlordane {5}			6407740				
Toxaphene 500 ppb			2750620				
Toxaphene {2}			2915284				
Toxaphene {3}			2194313				
Toxaphene {4}			1674653				
Toxaphene {5}			1717869				

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	RT OF STANDARDS 10	50	100	200	300	MEAN RT	RT WI NDOW FROM	TO
alpha-BHC	5.71	5.71	5.71	5.72	5.71	5.71	5.64	5.78
beta-BHC	8.81	8.81	8.81	8.81	8.81	8.81	8.74	8.88
gamma-BHC	6.68	6.68	6.68	6.68	6.68	6.68	6.61	6.75
delta-BHC	9.38	9.38	9.38	9.38	9.38	9.38	9.31	9.45
Heptachlor	7.14	7.14	7.14	7.14	7.14	7.14	7.07	7.21
Aldrin	7.81	7.81	7.81	7.82	7.81	7.81	7.74	7.88
Heptachlor epoxide	9.68	9.68	9.68	9.68	9.68	9.68	9.61	9.75
Endosulfan I	10.36	10.36	10.36	10.37	10.36	10.36	10.29	10.43
4,4'-DDE	11.13	11.13	11.13	11.13	11.13	11.13	11.06	11.20
Dieldrin	11.41	11.41	11.41	11.41	11.41	11.41	11.34	11.48
Endrin	11.93	11.93	11.93	11.94	11.93	11.93	11.86	12.00
Endosulfan II	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
4,4'-DDD	13.39	13.39	13.39	13.39	13.39	13.39	13.32	13.46
Endrin aldehyde	14.55	14.55	14.55	14.55	14.55	14.55	14.48	14.62
Endosulfan sulfate	15.46	15.46	15.45	15.46	15.46	15.46	15.39	15.53
4,4'-DDT	13.83	13.83	13.83	13.83	13.83	13.83	13.76	13.90
Endrin ketone	16.49	16.49	16.49	16.49	16.49	16.49	16.42	16.56
Methoxychlor	15.70	15.70	15.70	15.70	15.70	15.70	15.63	15.77
alpha-Chlordane	10.76	10.75	10.75	10.76	10.76	10.76	10.69	10.83
gamma-Chlordane	10.60	10.60	10.60	10.61	10.60	10.60	10.53	10.67
Chlordane 500 ppb			8.38				8.31	8.45
Chlordane {2}			8.52				8.45	8.59
Chlordane {3}			10.60				10.53	10.67
Chlordane {4}			10.76				10.69	10.83
Chlordane {5}			10.81				10.74	10.88
Toxaphene 500 ppb			14.17				14.10	14.24
Toxaphene {2}			14.89				14.82	14.96
Toxaphene {3}			15.36				15.29	15.43
Toxaphene {4}			15.98				15.91	16.05
Toxaphene {5}			16.19				16.12	16.26

PESTICIDE INITIAL CALIBRATION SUMMARY

Date Analyzed: 02/04/2003

Instrument ID: GC-W

GC Column (2nd): DB-1701P

Data File: W6643.C W6644.C W6640.C W6641.C W6642.C

Compound	CALIBRATION FACTORS 10	50	100	200	300	MEAN	%RSD
alpha-BHC	21199035	20455927	23905738	22277795	21980300	21963759	5.91
beta-BHC	10044155	8226650	9326338	8618628	8464224	8935999	8.31
gamma-BHC	19202371	18381677	21429865	19932479	19589017	19707082	5.70
delta-BHC	18815611	17819390	20925757	19529742	19303205	19278741	5.87
Heptachlor	14411162	13545437	16336322	15187015	14942411	14884470	6.90
Aldrin	19187711	17842822	20440421	18764319	18208976	18888850	5.34
Heptachlor epoxide	18167206	16455481	18584933	16872523	16286291	17273287	6.02
Endosulfan I	16994393	15390794	17478810	15859303	15298033	16204266	6.05
4,4'-DDE	15655212	14801182	17653775	16162701	15717827	15998140	6.55
Dieldrin	17266924	16247659	18870824	17117916	16689501	17238565	5.77
Endrin	14403017	13506227	16037545	14771362	14322379	14608106	6.32
Endosulfan II	29512604	27071266	30353219	27340889	26403940	28136384	6.05
4,4'-DDD	29512604	27071266	30353219	27340889	26403940	28136384	6.05
Endrin aldehyde	10547989	9997588	11790852	11030903	10631706	10799808	6.16
Endosulfan sulfate	13987187	12320524	13826100	12856013	12499945	13097954	5.84
4,4'-DDT	6296897	7202695	9160464	9204568	9333307	8239586	16.97
Endrin ketone	16569262	14932752	16262859	14881168	14331900	15395588	6.28
Methoxychlor	3011091	3821221	4690662	4696419	4544635	4152806	17.66
alpha-Chlordane	18031583	16419689	18749771	17138428	16637610	17395416	5.63
gamma-Chlordane	17850714	16582424	19044395	17497817	17003362	17595742	5.35
Chlordane 500 ppb			334450				
Chlordane {2}			331789				
Chlordane {3}			1979968				
Chlordane {4}			1736189				
Chlordane {5}			1148720				
Toxaphene 500 ppb			397034				
Toxaphene {2}			361753				
Toxaphene {3}			209082				
Toxaphene {4}			205896				
Toxaphene {5}			151631				

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	259849	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: 02/26/2003 Instrument ID: GC-P

Data File: P4249.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	483820	0.81
beta-BHC	5.09	5.02	5.16	180985	154533	14.62
gamma-BHC	5.23	5.16	5.30	447696	447709	0.00
delta-BHC	5.71	5.64	5.78	418307	424103	1.39
Heptachlor	6.84	6.77	6.91	377762	424483	12.37
Aldrin	7.66	7.59	7.73	414809	433494	4.50
Heptachlor epoxide	8.68	8.61	8.75	370590	395368	6.69
Endosulfan I	9.61	9.54	9.68	339944	368801	8.49
4,4'-DDE	10.38	10.31	10.45	356807	404560	13.38
Dieldrin	10.30	10.23	10.37	362063	386107	6.64
Endrin	10.86	10.79	10.93	324856	372349	14.62
Endosulfan II	11.12	11.05	11.19	315061	348779	10.70
4,4'-DDD	11.50	11.43	11.57	268544	307302	14.43
Endrin aldehyde	11.64	11.57	11.71	248087	235257	5.17
Endosulfan sulfate	12.30	12.23	12.37	272200	304717	11.95
4,4'-DDT	12.53	12.46	12.60	248598	265463	6.78
Endrin ketone	13.51	13.44	13.58	337464	387545	14.84
Methoxychlor	14.21	14.14	14.28	121860	133714	9.73
alpha-Chlordane	9.71	9.64	9.78	381236	416218	9.18
gamma-Chlordane	9.30	9.23	9.37	388200	419231	7.99
					Average %D	8.71
Chlordane 500 ppb	9.50	9.43	9.57	8568	8263	3.56
Chlordane {2}	9.71	9.64	9.78	40181	38747	3.57
Chlordane {3}	9.86	9.79	9.93	23309	23100	0.90
Chlordane {4}	11.53	11.46	11.60	8096	7935	1.99
Chlordane {5}	11.72	11.65	11.79	10622	10180	4.16
Toxaphene 500 ppb	12.91	12.84	12.98	7001	6190	11.58
Toxaphene {2}	13.66	13.59	13.73	6018	5214	13.36
Toxaphene {3}	13.73	13.66	13.80	6718	5883	12.44
Toxaphene {4}	14.70	14.63	14.77	10792	9238	14.40
Toxaphene {5}	15.22	15.15	15.29	7519	6558	12.78
					Average %D	7.88

PESTICIDE CALIBRATION VERIFICATION SUMMARY

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

Data File: P4249.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	313133	0.66
beta-BHC	8.70	8.63	8.77	123974	106524	14.08
gamma-BHC	6.56	6.49	6.63	282954	283764	0.29
delta-BHC	9.26	9.19	9.33	270769	271639	0.32
Heptachlor	7.02	6.95	7.09	246028	263072	6.93
Aldrin	7.70	7.63	7.77	273986	288531	5.31
Heptachlor epoxide	9.56	9.49	9.63	247038	263537	6.68
Endosulfan I	10.25	10.18	10.32	231415	251253	8.57
4,4'-DDE	11.03	10.96	11.10	219967	241810	9.93
Dieldrin	11.29	11.22	11.36	255050	274866	7.77
Endrin	11.82	11.75	11.89	204396	232959	13.97
Endosulfan II	13.27	13.20	13.34	416330	476757	14.51
4,4'-DDD	13.27	13.20	13.34	416330	476757	14.51
Endrin aldehyde	14.43	14.36	14.50	163996	140437	14.37
Endosulfan sulfate	15.33	15.26	15.40	199485	226853	13.72
4,4'-DDT	13.72	13.65	13.79	135187	127343	5.80
Endrin ketone	16.36	16.29	16.43	231887	259166	11.76
Methoxychlor	15.60	15.53	15.67	76701	77445	0.97
alpha-Chlordane	10.64	10.57	10.71	249162	270836	8.70
gamma-Chlordane	10.49	10.42	10.56	252190	273208	8.33
					Average %D	8.36
Chlordane 500 ppb	8.26	8.19	8.33	5854	5686	2.88
Chlordane {2}	8.40	8.33	8.47	4712	4654	1.22
Chlordane {3}	10.49	10.42	10.56	26604	26601	0.01
Chlordane {4}	10.64	10.57	10.71	22795	22446	1.53
Chlordane {5}	10.69	10.62	10.76	15982	16385	2.52
Toxaphene 500 ppb	12.44	12.37	12.51	4402	5049	14.70
Toxaphene {2}	12.56	12.49	12.63	4635	4870	5.08
Toxaphene {3}	14.05	13.98	14.12	6801	6455	5.09
Toxaphene {4}	15.69	15.62	15.76	5866	5096	13.13
Toxaphene {5}	16.07	16.00	16.14	3011	2640	12.31
					Average %D	5.85

PESTICIDE CALIBRATION VERIFICATION SUMMARY

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

Data File: P4269.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	442970	9.19
beta-BHC	5.10	5.03	5.17	180985	177900	1.70
gamma-BHC	5.23	5.16	5.30	447696	463573	3.55
delta-BHC	5.71	5.64	5.78	418307	446083	6.64
Heptachlor	6.84	6.77	6.91	377762	385590	2.07
Aldrin	7.66	7.59	7.73	414809	384587	7.29
Heptachlor epoxide	8.68	8.61	8.75	370590	353070	4.73
Endosulfan I	9.61	9.54	9.68	339944	324436	4.56
4,4'-DDE	10.38	10.31	10.45	356807	352723	1.14
Dieldrin	10.30	10.23	10.37	362063	344501	4.85
Endrin	10.86	10.79	10.93	324856	343316	5.68
Endosulfan II	11.12	11.05	11.19	315061	312252	0.89
4,4'-DDD	11.50	11.43	11.57	268544	292023	8.74
Endrin aldehyde	11.64	11.57	11.71	248087	215728	13.04
Endosulfan sulfate	12.30	12.23	12.37	272200	277214	1.84
4,4'-DDT	12.53	12.46	12.60	248598	225004	9.49
Endrin ketone	13.51	13.44	13.58	337464	347490	2.97
Methoxychlor	14.21	14.14	14.28	121860	128469	5.42
alpha-Chlordane	9.71	9.64	9.78	381236	359251	5.77
gamma-Chlordane	9.30	9.23	9.37	388200	370453	4.57
					Average %D	5.21

PESTICIDE CALIBRATION VERIFICATION SUMMARY

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

Data File: P4269.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
alpha-BHC	5.60	5.53	5.67	311076	281676	9.45
beta-BHC	8.70	8.63	8.77	123974	108094	12.81
gamma-BHC	6.56	6.49	6.63	282954	254473	10.07
delta-BHC	9.26	9.19	9.33	270769	247022	8.77
Heptachlor	7.03	6.96	7.10	246028	229035	6.91
Aldrin	7.70	7.63	7.77	273986	252311	7.91
Heptachlor epoxide	9.56	9.49	9.63	247038	234798	4.95
Endosulfan I	10.25	10.18	10.32	231415	221520	4.28
4,4'-DDE	11.03	10.96	11.10	219967	219409	0.25
Dieldrin	11.29	11.22	11.36	255050	241518	5.31
Endrin	11.82	11.75	11.89	204396	224651	9.91
Endosulfan II	13.28	13.21	13.35	416330	432102	3.79
4,4'-DDD	13.28	13.21	13.35	416330	432102	3.79
Endrin aldehyde	14.43	14.36	14.50	163996	142551	13.08
Endosulfan sulfate	15.33	15.26	15.40	199485	206249	3.39
4,4'-DDT	13.72	13.65	13.79	135187	118215	12.55
Endrin ketone	16.36	16.29	16.43	231887	243590	5.05
Methoxychlor	15.60	15.53	15.67	76701	71158	7.23
alpha-Chlordane	10.64	10.57	10.71	249162	236875	4.93
gamma-Chlordane	10.49	10.42	10.56	252190	240770	4.53
					Average %D	6.95

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/26/2003 Instrument ID: GC-W

Data File: W6956.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.70	4.63	4.77	118068622	119555213	1.26
beta-BHC	5.20	5.13	5.27	42436589	39323172	7.34
gamma-BHC	5.34	5.27	5.41	106890864	109122562	2.09
delta-BHC	5.82	5.75	5.89	106182888	104654347	1.44
Heptachlor	6.95	6.88	7.02	88688784	92011144	3.75
Aldrin	7.78	7.71	7.85	98738160	101620674	2.92
Heptachlor epoxide	8.80	8.73	8.87	87578789	90381106	3.20
Endosulfan I	9.72	9.65	9.79	81700816	85542627	4.70
4,4'-DDE	10.49	10.42	10.56	88840233	92555065	4.18
Dieldrin	10.42	10.35	10.49	87800260	88593934	0.90
Endrin	10.98	10.91	11.05	78533640	79674312	1.45
Endosulfan II	11.24	11.17	11.31	78601644	83214941	5.87
4,4'-DDD	11.61	11.54	11.68	69624029	73436928	5.48
Endrin aldehyde	11.76	11.69	11.83	66083840	63466791	3.96
Endosulfan sulfate	12.42	12.35	12.49	73432566	75869568	3.32
4,4'-DDT	12.64	12.57	12.71	59230989	60166422	1.58
Endrin ketone	13.63	13.56	13.70	87033572	92369532	6.13
Methoxychlor	14.32	14.25	14.39	27482800	26982795	1.82
alpha-Chlordane	9.83	9.76	9.90	94143543	100539586	6.79
gamma-Chlordane	9.42	9.35	9.49	95838509	102023385	6.45
					Average %D	3.73
Chlordane 500 ppb	8.59	8.52	8.66	3272765	3654331	11.66
Chlordane {2}	9.42	9.35	9.49	10697436	11309762	5.72
Chlordane {3}	9.62	9.55	9.69	2443015	2627076	7.53
Chlordane {4}	9.83	9.76	9.90	10548510	11095867	5.19
Chlordane {5}	9.97	9.90	10.04	6407740	6823685	6.49
Toxaphene 500 ppb	12.71	12.64	12.78	2750620	2726231	0.89
Toxaphene {2}	13.44	13.37	13.51	2915284	2875047	1.38
Toxaphene {3}	13.57	13.50	13.64	2194313	2164705	1.35
Toxaphene {4}	13.78	13.71	13.85	1674653	1548241	7.55
Toxaphene {5}	13.85	13.78	13.92	1717869	1493916	13.04
					Average %D	6.08

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/26/2003 Instrument ID: GC-W

Data File: W6956.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.72	5.65	5.79	21963759	22363359	1.82
beta-BHC	8.82	8.75	8.89	8935999	8053026	9.88
gamma-BHC	6.69	6.62	6.76	19707082	20291208	2.96
delta-BHC	9.38	9.31	9.45	19278741	19207079	0.37
Heptachlor	7.15	7.08	7.22	14884470	15376821	3.31
Aldrin	7.82	7.75	7.89	18888850	20197710	6.93
Heptachlor epoxide	9.68	9.61	9.75	17273287	18594455	7.65
Endosulfan I	10.37	10.30	10.44	16204266	17679352	9.10
4,4'-DDE	11.14	11.07	11.21	15998140	16900371	5.64
Dieldrin	11.41	11.34	11.48	17238565	18310243	6.22
Endrin	11.94	11.87	12.01	14608106	15258572	4.45
Endosulfan II	13.39	13.32	13.46	28136384	30940964	9.97
4,4'-DDD	13.39	13.32	13.46	28136384	30940964	9.97
Endrin aldehyde	14.55	14.48	14.62	10799808	9378338	13.16
Endosulfan sulfate	15.45	15.38	15.52	13097954	13782755	5.23
4,4'-DDT	13.83	13.76	13.90	8239586	8122095	1.43
Endrin ketone	16.48	16.41	16.55	15395588	16989126	10.35
Methoxychlor	15.70	15.63	15.77	4152806	4174633	0.53
alpha-Chlordane	10.76	10.69	10.83	17395416	19069983	9.63
gamma-Chlordane	10.61	10.54	10.68	17595742	19206568	9.15
					Average %D	6.39
Chlordane 500 ppb	8.39	8.32	8.46	334450	352418	5.37
Chlordane {2}	8.52	8.45	8.59	331789	351782	6.03
Chlordane {3}	10.61	10.54	10.68	1979968	2107049	6.42
Chlordane {4}	10.76	10.69	10.83	1736189	1851411	6.64
Chlordane {5}	10.81	10.74	10.88	1148720	1233234	7.36
Toxaphene 500 ppb	14.17	14.10	14.24	397034	402792	1.45
Toxaphene {2}	14.89	14.82	14.96	361753	299097	17.32
Toxaphene {3}	15.36	15.29	15.43	209082	177759	14.98
Toxaphene {4}	15.97	15.90	16.04	205896	207946	1.00
Toxaphene {5}	16.18	16.11	16.25	151631	145872	3.80
					Average %D	7.04

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/26/2003 Instrument ID: GC-W

Data File: W6974.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.70	4.63	4.77	118068622	113758321	3.65
beta-BHC	5.21	5.14	5.28	42436589	37789364	10.95
gamma-BHC	5.35	5.28	5.42	106890864	103760767	2.93
delta-BHC	5.83	5.76	5.90	106182888	101447336	4.46
Heptachlor	6.95	6.88	7.02	88688784	87480443	1.36
Aldrin	7.78	7.71	7.85	98738160	97430895	1.32
Heptachlor epoxide	8.80	8.73	8.87	87578789	85753680	2.08
Endosulfan I	9.73	9.66	9.80	81700816	81085249	0.75
4,4'-DDE	10.49	10.42	10.56	88840233	88923405	0.09
Dieldrin	10.42	10.35	10.49	87800260	84518810	3.74
Endrin	10.98	10.91	11.05	78533640	76860330	2.13
Endosulfan II	11.24	11.17	11.31	78601644	79139301	0.68
4,4'-DDD	11.62	11.55	11.69	69624029	71772970	3.09
Endrin aldehyde	11.76	11.69	11.83	66083840	60391353	8.61
Endosulfan sulfate	12.42	12.35	12.49	73432566	72558699	1.19
4,4'-DDT	12.64	12.57	12.71	59230989	53816620	9.14
Endrin ketone	13.64	13.57	13.71	87033572	87602238	0.65
Methoxychlor	14.32	14.25	14.39	27482800	25133871	8.55
alpha-Chlordane	9.83	9.76	9.90	94143543	95130363	1.05
gamma-Chlordane	9.42	9.35	9.49	95838509	96654683	0.85
					Average %D	3.36

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date Analyzed: 02/26/2003 Instrument ID: GC-W

Data File: W6974.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	5.71	5.64	5.78	21963759	21903678	0.27
beta-BHC	8.81	8.74	8.88	8935999	7844266	12.22
gamma-BHC	6.68	6.61	6.75	19707082	19798756	0.47
delta-BHC	9.38	9.31	9.45	19278741	19096529	0.95
Heptachlor	7.14	7.07	7.21	14884470	13084258	12.09
Aldrin	7.82	7.75	7.89	18888850	19636583	3.96
Heptachlor epoxide	9.68	9.61	9.75	17273287	17989710	4.15
Endosulfan I	10.36	10.29	10.43	16204266	17116133	5.63
4,4'-DDE	11.13	11.06	11.20	15998140	16542089	3.40
Dieldrin	11.41	11.34	11.48	17238565	17642382	2.34
Endrin	11.93	11.86	12.00	14608106	14839870	1.59
Endosulfan II	13.39	13.32	13.46	28136384	30082516	6.92
4,4'-DDD	13.39	13.32	13.46	28136384	30082516	6.92
Endrin aldehyde	14.54	14.47	14.61	10799808	9229501	14.54
Endosulfan sulfate	15.44	15.37	15.51	13097954	13268859	1.30
4,4'-DDT	13.82	13.75	13.89	8239586	7075717	14.13
Endrin ketone	16.47	16.40	16.54	15395588	16097799	4.56
Methoxychlor	15.69	15.62	15.76	4152806	3596140	13.40
alpha-Chlordane	10.76	10.69	10.83	17395416	18367896	5.59
gamma-Chlordane	10.60	10.53	10.67	17595742	18546881	5.41
					Average %D	5.99

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-P

Data File: P4278.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
alpha-BHC	4.58	4.51	4.65	487784	496287	1.74
beta-BHC	5.09	5.02	5.16	180985	155541	14.06
gamma-BHC	5.22	5.15	5.29	447696	456091	1.88
delta-BHC	5.71	5.64	5.78	418307	427068	2.09
Heptachlor	6.83	6.76	6.90	377762	429641	13.73
Aldrin	7.66	7.59	7.73	414809	439579	5.97
Heptachlor epoxide	8.68	8.61	8.75	370590	397435	7.24
Endosulfan I	9.60	9.53	9.67	339944	372166	9.48
4,4'-DDE	10.38	10.31	10.45	356807	403935	13.21
Dieldrin	10.30	10.23	10.37	362063	394832	9.05
Endrin	10.86	10.79	10.93	324856	365679	12.57
Endosulfan II	11.11	11.04	11.18	315061	350573	11.27
4,4'-DDD	11.50	11.43	11.57	268544	308641	14.93
Endrin aldehyde	11.64	11.57	11.71	248087	239069	3.63
Endosulfan sulfate	12.30	12.23	12.37	272200	306184	12.48
4,4'-DDT	12.53	12.46	12.60	248598	275832	10.95
Endrin ketone	13.51	13.44	13.58	337464	363492	7.71
Methoxychlor	14.21	14.14	14.28	121860	138246	13.45
alpha-Chlordane	9.71	9.64	9.78	381236	420512	10.30
gamma-Chlordane	9.30	9.23	9.37	388200	422537	8.85
					Average %D	9.23
Chlordane 500 ppb	9.50	9.43	9.57	8568	7769	9.33
Chlordane {2}	9.71	9.64	9.78	40181	36839	8.32
Chlordane {3}	9.85	9.78	9.92	23309	21603	7.32
Chlordane {4}	11.53	11.46	11.60	8096	7369	8.98
Chlordane {5}	11.71	11.64	11.78	10622	9729	8.41
Toxaphene 500 ppb	12.91	12.84	12.98	7001	7234	3.32
Toxaphene {2}	13.66	13.59	13.73	6018	6074	0.94
Toxaphene {3}	13.73	13.66	13.80	6718	6438	4.17
Toxaphene {4}	14.70	14.63	14.77	10792	11550	7.02
Toxaphene {5}	15.22	15.15	15.29	7519	6871	8.62
					Average %D	6.64

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-P

Data File: P4278.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	315011	1.26
beta-BHC	8.69	8.62	8.76	123974	106080	14.43
gamma-BHC	6.56	6.49	6.63	282954	285862	1.03
delta-BHC	9.26	9.19	9.33	270769	268484	0.84
Heptachlor	7.02	6.95	7.09	246028	267490	8.72
Aldrin	7.69	7.62	7.76	273986	288034	5.13
Heptachlor epoxide	9.56	9.49	9.63	247038	260985	5.65
Endosulfan I	10.24	10.17	10.31	231415	247841	7.10
4,4'-DDE	11.03	10.96	11.10	219967	236319	7.43
Dieldrin	11.29	11.22	11.36	255050	272010	6.65
Endrin	11.81	11.74	11.88	204396	231660	13.34
Endosulfan II	13.27	13.20	13.34	416330	459365	10.34
4,4'-DDD	13.27	13.20	13.34	416330	459365	10.34
Endrin aldehyde	14.43	14.36	14.50	163996	139868	14.71
Endosulfan sulfate	15.33	15.26	15.40	199485	212708	6.63
4,4'-DDT	13.72	13.65	13.79	135187	151651	12.18
Endrin ketone	16.36	16.29	16.43	231887	261630	12.83
Methoxychlor	15.60	15.53	15.67	76701	75264	1.87
alpha-Chlordane	10.64	10.57	10.71	249162	269517	8.17
gamma-Chlordane	10.49	10.42	10.56	252190	271338	7.59
					Average %D	7.81
Chlordane 500 ppb	8.26	8.19	8.33	5854	5632	3.79
Chlordane {2}	8.40	8.33	8.47	4712	4538	3.69
Chlordane {3}	10.49	10.42	10.56	26604	25130	5.54
Chlordane {4}	10.64	10.57	10.71	22795	21330	6.43
Chlordane {5}	10.69	10.62	10.76	15982	15427	3.47
Toxaphene 500 ppb	12.44	12.37	12.51	4402	4860	10.42
Toxaphene {2}	12.56	12.49	12.63	4635	5285	14.02
Toxaphene {3}	14.05	13.98	14.12	6801	7313	7.52
Toxaphene {4}	15.69	15.62	15.76	5866	6262	6.75
Toxaphene {5}	16.07	16.00	16.14	3011	2620	12.96
					Average %D	7.46

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-P

Data File: P4299.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	480785	1.43
beta-BHC	5.09	5.02	5.16	180985	154519	14.62
gamma-BHC	5.23	5.16	5.30	447696	430521	3.84
delta-BHC	5.71	5.64	5.78	418307	415399	0.70
Heptachlor	6.83	6.76	6.90	377762	376526	0.33
Aldrin	7.66	7.59	7.73	414809	424206	2.27
Heptachlor epoxide	8.68	8.61	8.75	370590	385589	4.05
Endosulfan I	9.61	9.54	9.68	339944	362670	6.69
4,4'-DDE	10.38	10.31	10.45	356807	390454	9.43
Dieldrin	10.30	10.23	10.37	362063	378583	4.56
Endrin	10.86	10.79	10.93	324856	368367	13.39
Endosulfan II	11.11	11.04	11.18	315061	336790	6.90
4,4'-DDD	11.50	11.43	11.57	268544	305773	13.86
Endrin aldehyde	11.64	11.57	11.71	248087	230298	7.17
Endosulfan sulfate	12.30	12.23	12.37	272200	295081	8.41
4,4'-DDT	12.53	12.46	12.60	248598	134541	45.88
Endrin ketone	13.51	13.44	13.58	337464	338008	0.16
Methoxychlor	14.21	14.14	14.28	121860	99183	18.61
alpha-Chlordane	9.71	9.64	9.78	381236	407694	6.94
gamma-Chlordane	9.30	9.23	9.37	388200	413770	6.59
					Average %D	8.79

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 02/27/2003 Instrument ID: GC-P

Data File: P4299.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	300494	3.40
beta-BHC	8.69	8.62	8.76	123974	105643	14.79
gamma-BHC	6.56	6.49	6.63	282954	270453	4.42
delta-BHC	9.26	9.19	9.33	270769	263036	2.86
Heptachlor	7.02	6.95	7.09	246028	227157	7.67
Aldrin	7.70	7.63	7.77	273986	276859	1.05
Heptachlor epoxide	9.56	9.49	9.63	247038	252251	2.11
Endosulfan I	10.24	10.17	10.31	231415	239229	3.38
4,4'-DDE	11.03	10.96	11.10	219967	232837	5.85
Dieldrin	11.29	11.22	11.36	255050	259693	1.82
Endrin	11.82	11.75	11.89	204396	224171	9.67
Endosulfan II	13.28	13.21	13.35	416330	471511	13.25
4,4'-DDD	13.28	13.21	13.35	416330	471511	13.25
Endrin aldehyde	14.43	14.36	14.50	163996	144118	12.12
Endosulfan sulfate	15.33	15.26	15.40	199485	208504	4.52
4,4'-DDT	13.72	13.65	13.79	135187	79116	41.48
Endrin ketone	16.36	16.29	16.43	231887	226312	2.40
Methoxychlor	15.61	15.54	15.68	76701	56963	25.73
alpha-Chlordane	10.64	10.57	10.71	249162	258897	3.91
gamma-Chlordane	10.49	10.42	10.56	252190	261524	3.70
					Average %D	8.87

PESTICIDE 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	#
(01376.01398)	0226-BK2	AQUEOUS	58		48		59		49	
LBSA0203	01389-001	AQUEOUS	49		57		56		62	
VPM_MID	01393-001	AQUEOUS	40		55		45		59	
VPM_SURFACE	01393-002	AQUEOUS	40		55		45		60	
VPS_SURFACE	01393-003	AQUEOUS	43		57		48		63	
VPS_MID	01393-004	AQUEOUS	46		58		51		66	
VPN_SURFACE	01393-005	AQUEOUS	36		58		41		62	
VPN_MID	01393-006	AQUEOUS	43		57		47		63	
FB	01393-007	AQUEOUS	59		56		63		62	
CONPILE	01376-001	AQUEOUS	51		54		55		61	
FIELD_BLANK	01398-001	AQUEOUS	51		49		56		53	
PEST	01376-001MS2	AQUEOUS	50		50		56		51	
PEST	PBA0226-MS2	AQUEOUS	48		50		53		49	
PEST	01376-001-MSD2	AQUEOUS	63		49		64		50	

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: 02/26/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(01398)	0226-BK1	SOIL	68		65		70		63	
SB-X13-0/0-0.5	01398-003	SOIL	57		46		60		49	
SB-X13-8/8-8.5	01398-004	SOIL	37		36		36		37	
SB-X13-23.5/23	01398-005	SOIL	35		32		39		33	
SB-T15-0/0-0.5	01398-006	SOIL	27		30		28		31	
SB-T15-8/8-8.5	01398-007	SOIL	61		55		64		56	
SB-T28-8/8-11	01398-009	SOIL	57		47		60		51	
SB-T28-15.5/15	01398-010	SOIL	43		37		49		50	
SB-T28-28/28-2	01398-011	SOIL	54		49		132		64	
SB-T28-37.5/37	01398-012	SOIL	49		40		53		43	
SB-T28-28/28-2	01398-011	SOIL	41		41		48		41	
PEST	PBS0226-MS1	SOIL	51		42		55		44	

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: 02/27/2003

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
(01398)	0226-BK1	SOIL	85		73		86		71	
SB-T28-0/0-	01398-008	SOIL	73		62		76		61	
PEST	PBS0226-MS1	SOIL	44		39		45		40	

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: 01376-001-MSD2

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	105.0	105	41 - 148
Heptachlor	100.0	0.0	127.6	128	37 - 164
Aldrin	100.0	0.0	111.2	111	37 - 151
Dieldrin	100.0	0.0	117.1	117	52 - 143
Endrin	100.0	0.0	136.7	137	54 - 166
4,4'-DDT	100.0	0.0	137.4	137	23 - 196

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	0.0	119.6		120	13	15	41 - 148
Heptachlor	0.0	135.1		135	5	14	37 - 164
Aldrin	0.0	124.0		124	11	14	37 - 151
Dieldrin	0.0	123.4		123	5	14	52 - 143
Endrin	0.0	137.6		138	1	13	54 - 166
4,4'-DDT	0.0	124.1		124	10	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

SOIL PESTICIDES MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01235-009MSD1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	108.2	108	41 - 148
Heptachlor	100.0	0.0	110.3	110	37 - 164
Aldrin	100.0	0.0	111.4	111	37 - 151
Dieldrin	100.0	0.0	104.7	105	52 - 143
Endrin	100.0	0.0	106.3	106	54 - 166
4,4'-DDT	100.0	0.0	112.3	112	23 - 196

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	0.0	108.2		108	0		18	41 - 148
Heptachlor	0.0	110.7		111	1		21	37 - 164
Aldrin	0.0	111.4		111	0		19	37 - 151
Dieldrin	0.0	103.2		103	2		15	52 - 143
Endrin	0.0	106.9		107	1		19	54 - 166
4,4'-DDT	0.0	113.7		114	2		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 MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 01235-009MSD1

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
gamma-BHC	100.0	0.0	108.2	108	41 - 148
Heptachlor	100.0	0.0	110.3	110	37 - 164
Aldrin	100.0	0.0	111.4	111	37 - 151
Dieldrin	100.0	0.0	104.7	105	52 - 143
Endrin	100.0	0.0	106.3	106	54 - 166
4,4'-DDT	100.0	0.0	112.3	112	23 - 196

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC	0.0	108.2		108	0		18	41 - 148
Heptachlor	0.0	110.7		111	1		21	37 - 164
Aldrin	0.0	111.4		111	0		19	37 - 151
Dieldrin	0.0	103.2		103	2		15	52 - 143
Endrin	0.0	106.9		107	1		19	54 - 166
4,4'-DDT	0.0	113.7		114	2		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

AQUEOUS PESTICIDES BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBA0226-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	97.1	97	41 - 148
Heptachlor	100.0	0.0	117.7	118	37 - 164
Aldrin	100.0	0.0	102.4	102	37 - 151
Dieldrin	100.0	0.0	105.7	106	52 - 143
Endrin	100.0	0.0	125.0	125	54 - 166
4,4'-DDT	100.0	0.0	125.1	125	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 BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBS0226-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	97.1	97	41 - 148
Heptachlor	100.0	0.0	100.2	100	37 - 164
Aldrin	100.0	0.0	100.3	100	37 - 151
Dieldrin	100.0	0.0	95.5	96	52 - 143
Endrin	100.0	0.0	96.9	97	54 - 166
4,4'-DDT	100.0	0.0	90.0	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

SOIL PESTICIDES BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: PBS0226-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	96.2	96	41 - 148
Heptachlor	100.0	0.0	99.7	100	37 - 164
Aldrin	100.0	0.0	102.3	102	37 - 151
Dieldrin	100.0	0.0	104.6	105	52 - 143
Endrin	100.0	0.0	113.4	113	54 - 166
4,4'-DDT	100.0	0.0	54.1	54	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 3.90 **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	#
(01376.01398)	0226-BK2	02/26/2003	14:39	3.90		18.84		3.67		18.68	
LBSA0203	01389-001	02/26/2003	15:06	3.90		18.84		3.68		18.68	
VPM_MID	01393-001	02/26/2003	15:30	3.90		18.84		3.67		18.67	
VPM_SURFACE	01393-002	02/26/2003	15:54	3.90		18.84		3.67		18.67	
VPS_SURFACE	01393-003	02/26/2003	16:18	3.90		18.84		3.68		18.67	
VPS_MID	01393-004	02/26/2003	16:43	3.90		18.84		3.68		18.67	
VPN_SURFACE	01393-005	02/26/2003	17:07	3.90		18.84		3.67		18.67	
VPN_MID	01393-006	02/26/2003	17:31	3.90		18.84		3.68		18.67	
FB	01393-007	02/26/2003	17:55	3.91		18.84		3.68		18.68	
CONPILE	01376-001	02/26/2003	18:20	3.90		18.84		3.68		18.67	
FIELD_BLANK	01398-001	02/26/2003	18:44	3.90		18.84		3.67		18.68	
PEST	01376-001MS2	02/26/2003	19:08	3.90		18.84		3.68		18.67	
PEST	PBA0226-MS2	02/26/2003	19:32	3.90		18.84		3.68		18.67	
PEST	01376-001-MSD2	02/26/2003	19:56	3.90		18.84		3.67		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

PESTICIDE RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 4.01 **DCB 1** 18.95 **TCMX 2** 3.79 **DCB 2** 18.77

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
(01398)	0226-BK1	02/26/2003	01:44	4.01		18.95		3.79		18.77	
SB-X13-0/0-0.5	01398-003	02/26/2003	02:11	4.01		18.95		3.79		18.77	
SB-X13-8/8-8.5	01398-004	02/26/2003	02:35	4.02		18.95		3.80		18.76	
SB-X13-23.5/23	01398-005	02/26/2003	02:59	4.01		18.95		3.79		18.77	
SB-T15-0/0-0.5	01398-006	02/26/2003	03:23	4.02		18.95		3.80		18.77	
SB-T15-8/8-8.5	01398-007	02/26/2003	03:48	4.01		18.95		3.79		18.77	
SB-T28-8/8-11	01398-009	02/26/2003	04:36	4.01		18.95		3.79		18.77	
SB-T28-15.5/15	01398-010	02/26/2003	05:00	4.01		18.95		3.78		18.76	
SB-T28-28/28-2	01398-011	02/26/2003	05:24	4.01		18.95		3.79		18.76	
SB-T28-37.5/37	01398-012	02/26/2003	05:49	4.01		18.95		3.79		18.77	
SB-T28-28/28-2	01398-011	02/26/2003	06:13	4.01		18.94		3.79		18.77	
PEST	PBS0226-MS1	02/26/2003	06:37	4.01		18.95		3.79		18.77	

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	#
(01398)	0226-BK1	02/27/2003	22:18	3.89		18.84		3.66		18.68	
SB-T28-0/0-	01398-008	02/27/2003	22:42	3.89		18.84		3.66		18.67	
PEST	PBS0226-MS1	02/27/2003	23:06	3.89		18.84		3.66		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

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6962.D\ECD1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6962.D\ECD2A.CH
Acq On : 2-26-03 2:11:07 PM Operator: L,YURU
Sample : SB-X13-0/0-0.5,01398-003,S,5.80g,,02/26/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 13:59 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	7863.3E6	1647.8E6	57.084	60.291
Spiked Amount 100.000			Recovery	=	57.08%	60.29%
2) S DCB	18.95	18.77	2097.3E6	459.9E6	45.967	48.556
Spiked Amount 100.000			Recovery	=	45.97%	48.56%
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

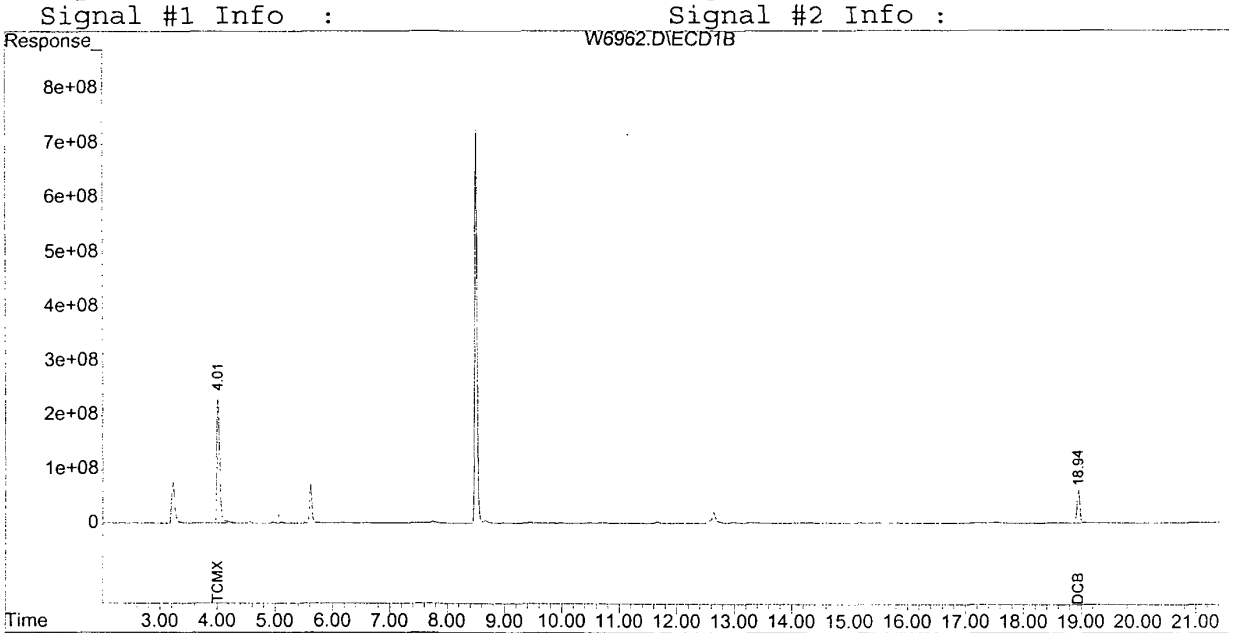
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

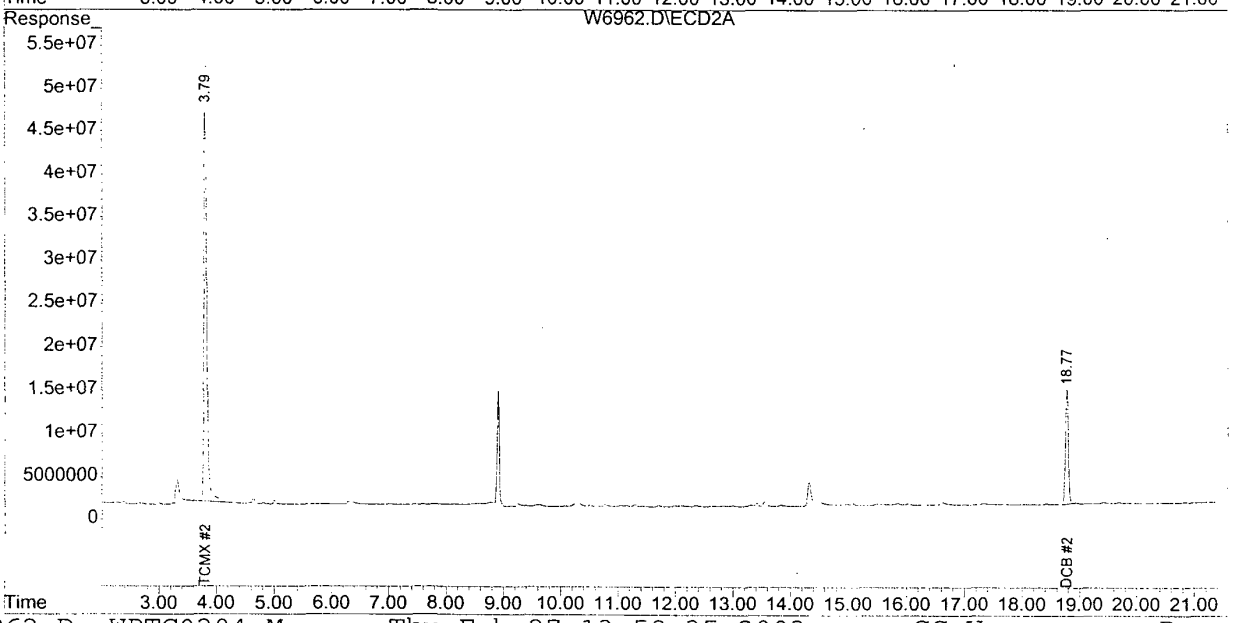
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6962.D\ECD1B.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6962.D\ECD2A.CH
Acq On : 2-26-03 2:11:07 PM Operator: L,YURU
Sample : SB-X13-0/0-0.5,01398-003,S,5.80g,,02/26/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 13:59 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0501

303340

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6963.D\ECD1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6963.D\ECD2A.CH
Acq On : 2-26-03 2:35:18 PM Operator: L,YURU
Sample : SB-X13-8/8-8.5,01398-004,S,5.01g,15.4,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 17:42 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.02	3.80	5104.6E6	975.4E6	37.057	35.689
Spiked Amount 100.000			Recovery	=	37.06%	35.69%
2) S DCB	18.95	18.76	1644.4E6	349.4E6	36.042	36.888
Spiked Amount 100.000			Recovery	=	36.04%	36.89%
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

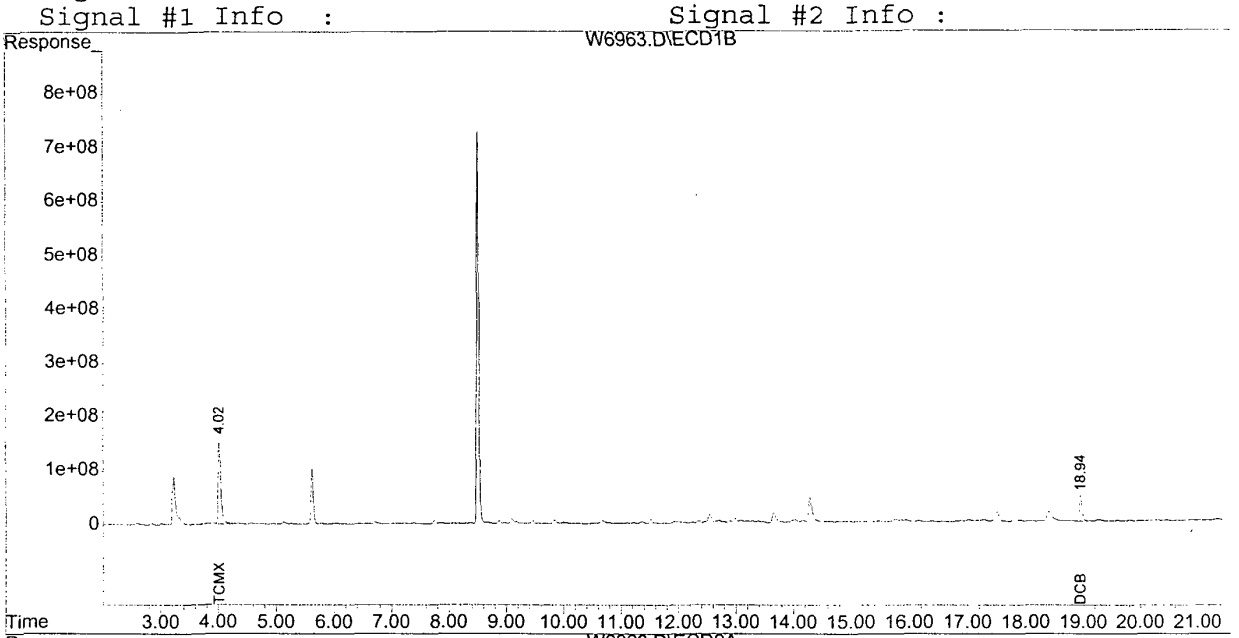
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

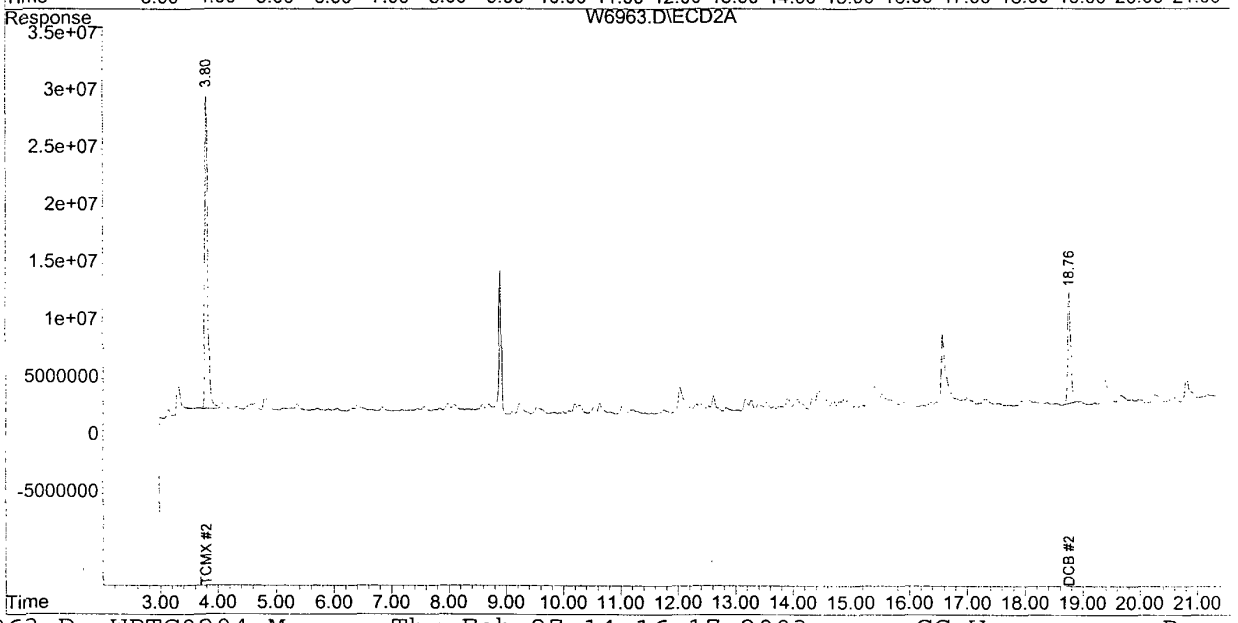
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6963.D\ECD1B.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6963.D\ECD2A.CH
Acq On : 2-26-03 2:35:18 PM Operator: L,YURU
Sample : SB-X13-8/8-8.5,01398-004,S,5.01g,15.4,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 17:42 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0503

303342

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6964.D\ECD1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6964.D\ECD2A.CH
Acq On : 2-26-03 2:59:31 PM Operator: L,YURU
Sample : SB-X13-23.5/23,01398-005,S,5.57g,17.5,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:19 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	4791.7E6	1064.7E6	34.785	38.956
Spiked Amount 100.000			Recovery	=	34.78%	38.96%
2) S DCB	18.95	18.77	1453.8E6	314.2E6	31.863	33.178
Spiked Amount 100.000			Recovery	=	31.86%	33.18%
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

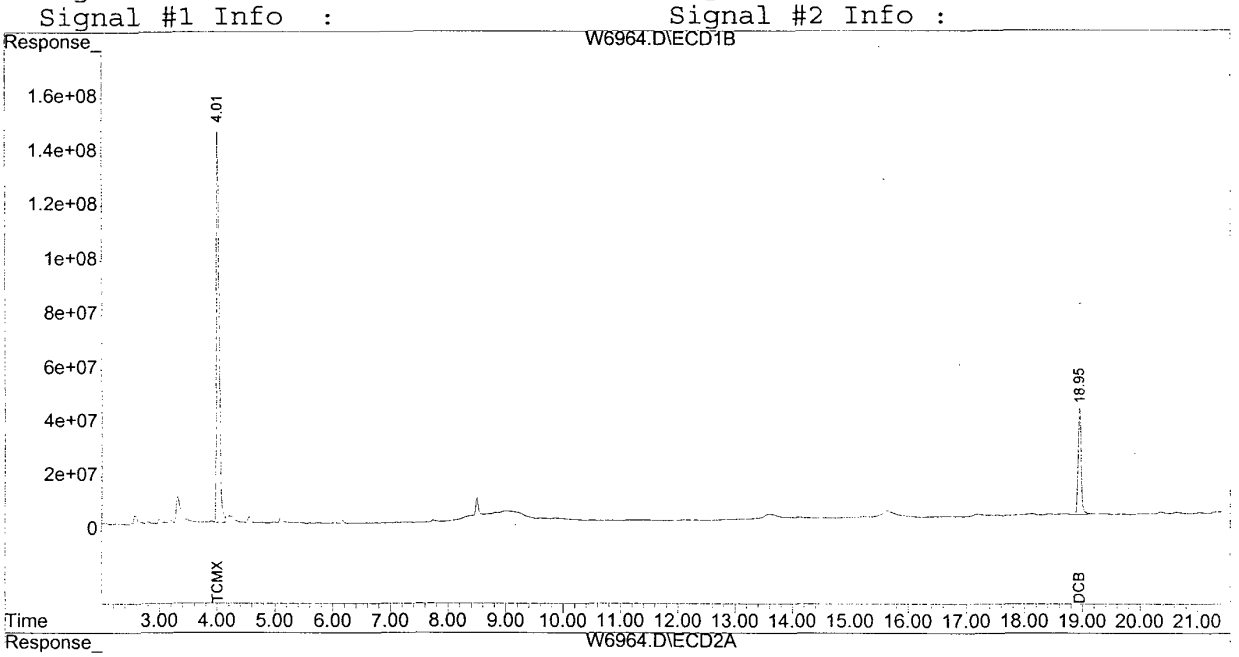
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

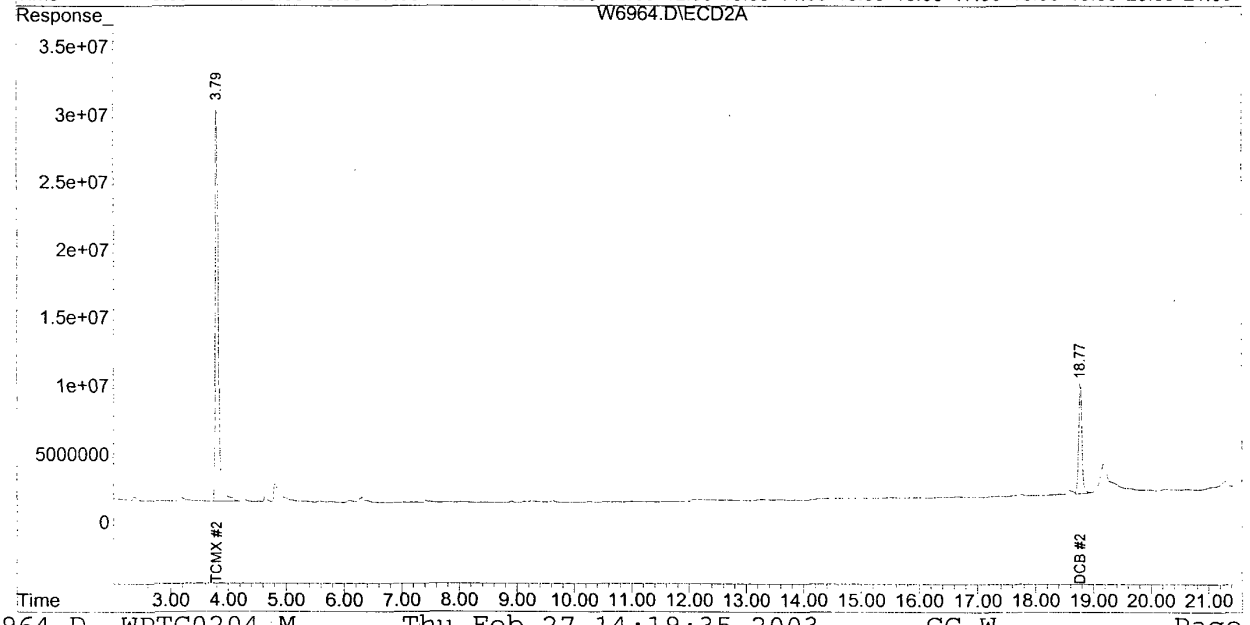
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6964.D\ECD1B.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6964.D\ECD2A.CH
Acq On : 2-26-03 2:59:31 PM Operator: L,YURU
Sample : SB-X13-23.5/23,01398-005,S,5.57g,17.5,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:19 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0505

303344

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6965.D\ECD1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6965.D\ECD2A.CH
Acq On : 2-26-03 3:23:47 PM Operator: L,YURU
Sample : SB-T15-0/0-0.5,01398-006,S,5.34g,16.6,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 28 11:14 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.02	3.80	3649.4E6	772.1E6	26.493	28.251
Spiked Amount 100.000			Recovery	=	26.49%	28.25%
2) S DCB	18.95	18.77	1372.2E6	289.7E6	30.074m	30.583m
Spiked Amount 100.000			Recovery	=	30.07%	30.58%
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

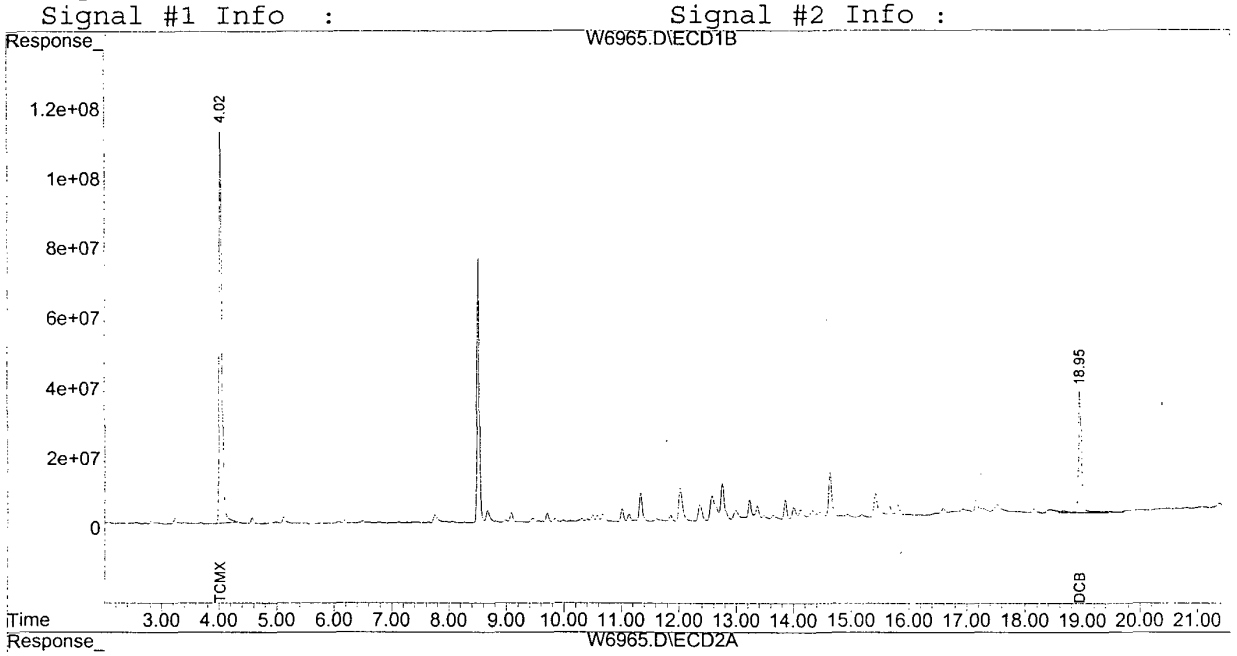
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

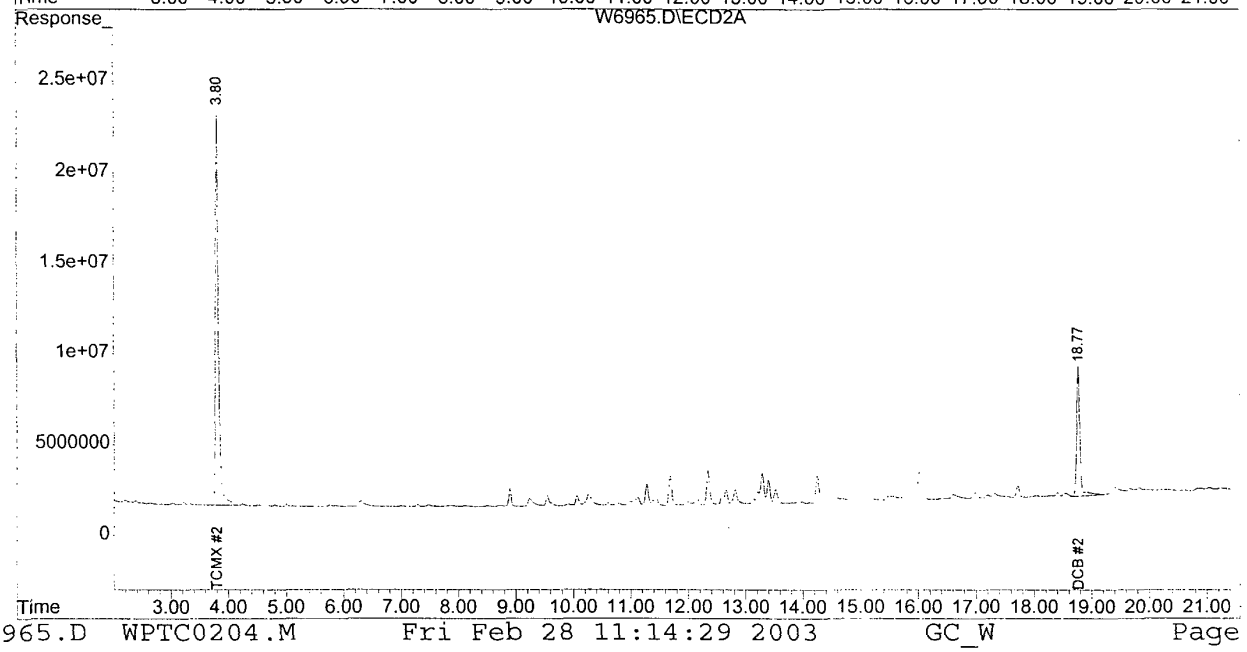
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6965.D\ECD1B.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6965.D\ECD2A.CH
Acq On : 2-26-03 3:23:47 PM Operator: L,YURU
Sample : SB-T15-0/0-0.5,01398-006,S,5.34g,16.6,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 28 11:14 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0507

303346

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02-26-03\W6966.D\ECD1B.CH Vial: 10
Acq On : 2-26-03 3:48:01 PM Operator: L,YURU
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,15.0,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\1\DATA\02-26-03\W6966.D\ECD2A.CH Vial: 10
Acq On : 2-26-03 3:48:01 PM Operator: L,YURU
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,,02/26/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Feb 27 14:21 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	8418.8E6	1752.1E6	61.117	64.109
Spiked Amount 100.000			Recovery =		61.12%	64.11%
2) S DCB	18.95	18.77	2506.2E6	529.3E6	54.929	55.880
Spiked Amount 100.000			Recovery =		54.93%	55.88%
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.

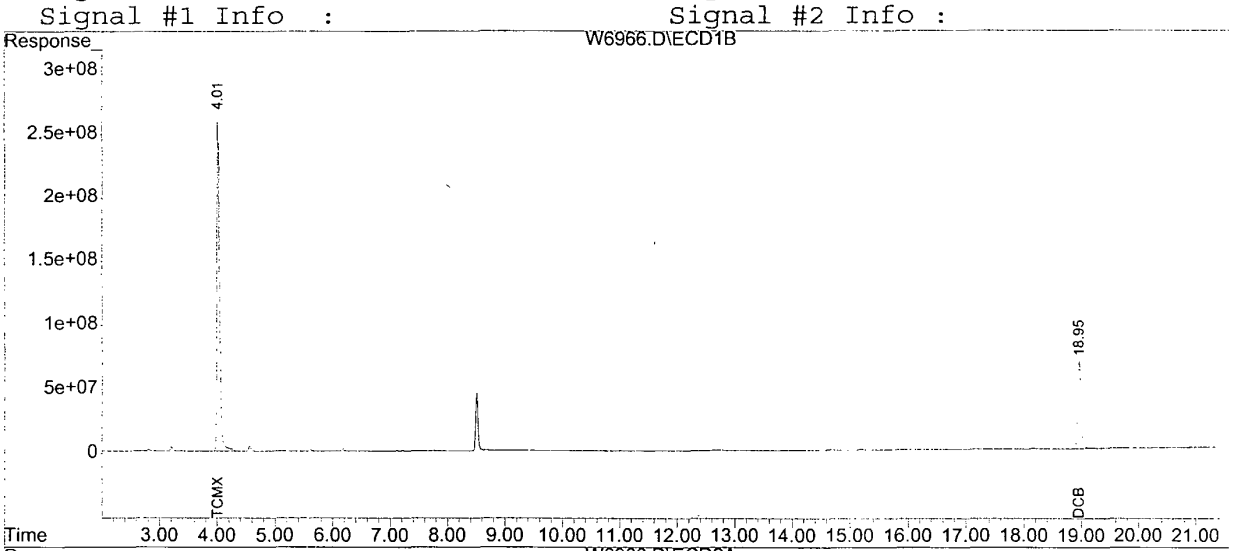
Quantitation Report (QT Reviewed)

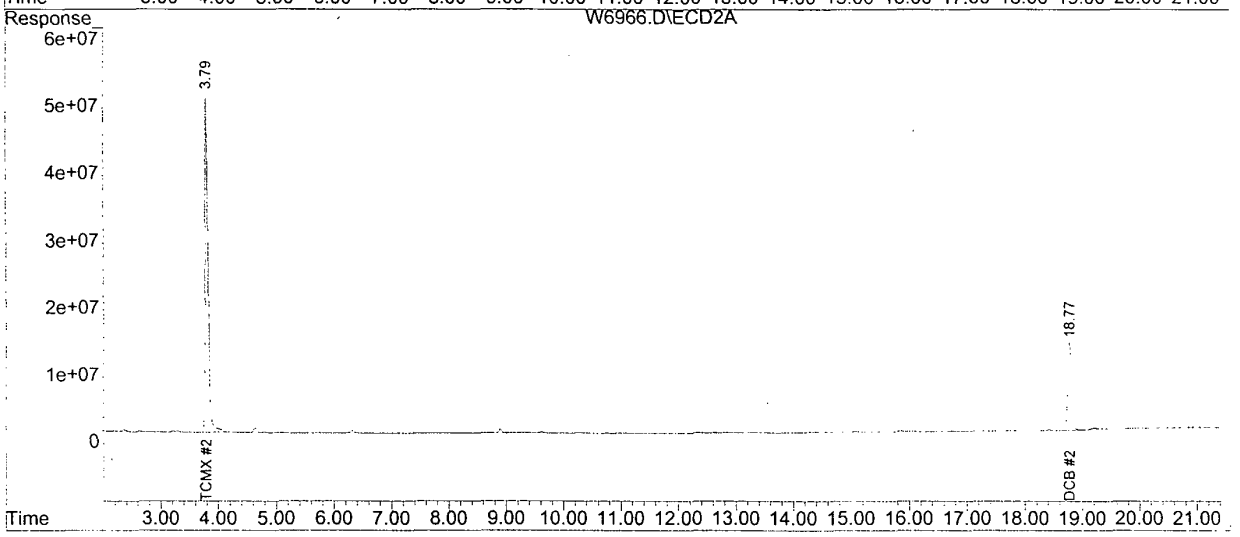
Data File : C:\HPCHEM\1\DATA\02-26-03\W6966.D\ECD1B.CH Vial: 10
Acq On : 2-26-03 3:48:01 PM Operator: L,YURU
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,15.0,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile : AUTOINT1.E

Data File : C:\HPCHEM\1\DATA\02-26-03\W6966.D\ECD2A.CH Vial: 10
Acq On : 2-26-03 3:48:01 PM Operator: L,YURU
Sample : SB-T15-8/8-8.5,01398-007,S,5.46g,,02/26/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile : AUTOINT2.E
Quant Time: Feb 27 14:21 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0509

303348

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4298.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4298.D\ECD2A.CH
Acq On : 27 Feb 2003 22:42 Operator: L,YURU
Sample : SB-T28-0/0-,01398-008,S,5.7g,17.3,02/27/ Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 27 23:04:08 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	46531576	29558379	73.436	75.540
Spiked Amount 100.000			Recovery	=	73.44%	75.54%
2) S DCB	18.84	18.67	13439217	8445853	61.629m	61.205
Spiked Amount 100.000			Recovery	=	61.63%	61.20%
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

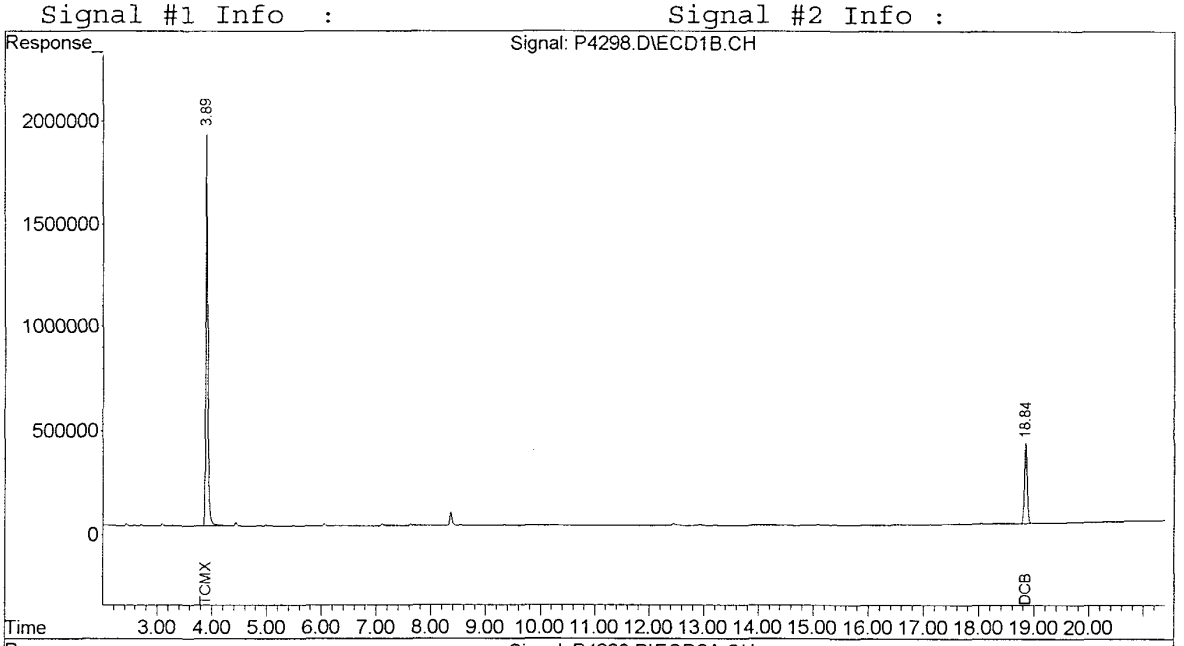
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

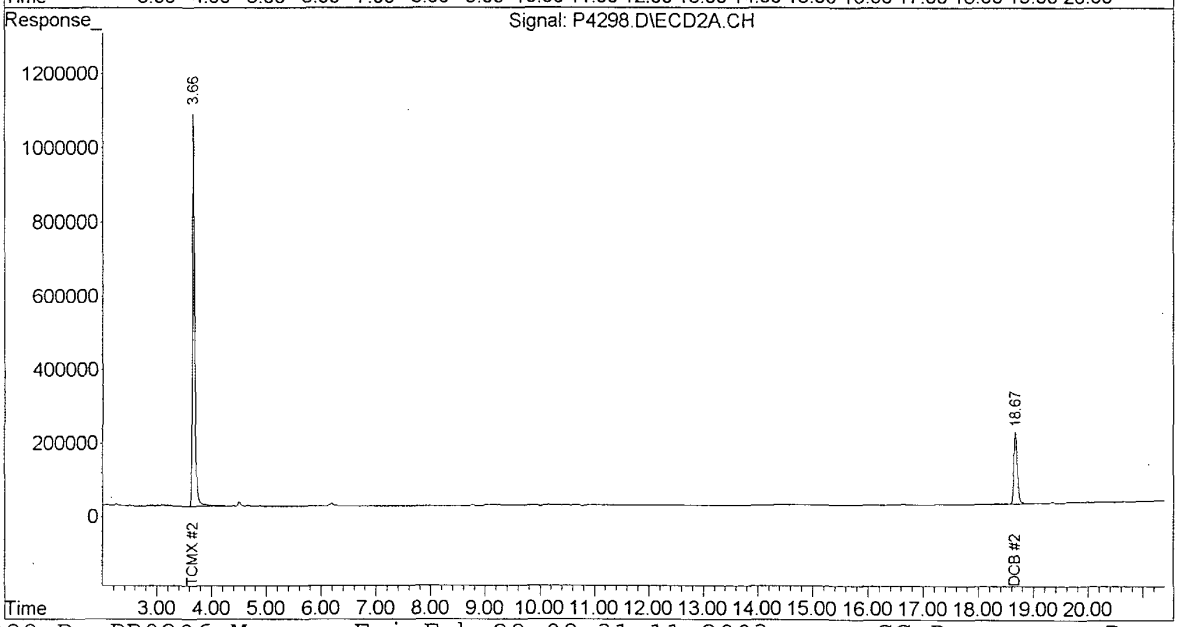
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4298.D\ECD1B.CH Vial: 22
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4298.D\ECD2A.CH
Acq On : 27 Feb 2003 22:42 Operator: L,YURU
Sample : SB-T28-0/0-,01398-008,S,5.7g,17.3,02/27/ Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 9:31 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 : Multiple Level Calibration
DataAcq Meth : PR0206.M

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





0511

303350

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6968.D\ECD1B.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6968.D\ECD2A.CH
Acq On : 2-26-03 4:36:30 PM Operator: L,YURU
Sample : SB-T28-8/8-11,01398-009,S,5.16g,20.0,02/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:24 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	7866.4E6	1630.5E6	57.107	59.661
Spiked Amount 100.000			Recovery	=	57.11%	59.66%
2) S DCB	18.95	18.77	2162.1E6	485.7E6	47.388	51.275
Spiked Amount 100.000			Recovery	=	47.39%	51.28%
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

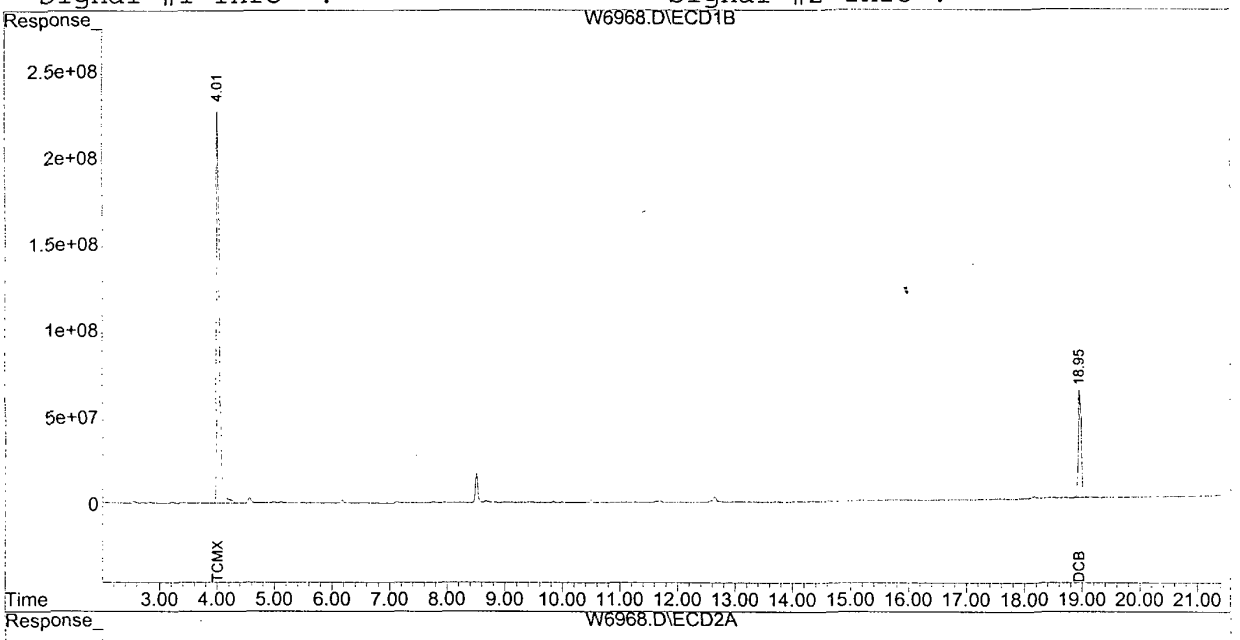
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

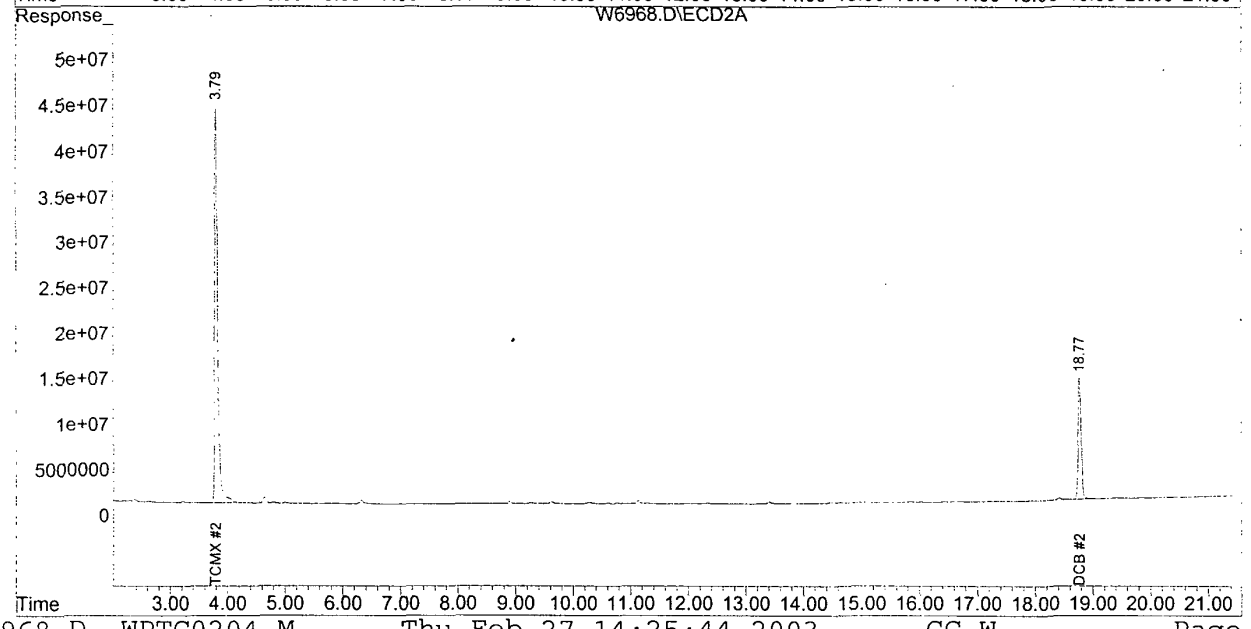
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6968.D\ECD1B.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6968.D\ECD2A.CH
Acq On : 2-26-03 4:36:30 PM Operator: L,YURU
Sample : SB-T28-8/8-11,01398-009,S,5.16g,20.0,02/ Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:24 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0513

303352

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6969.D\ECD1B.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6969.D\ECD2A.CH
Acq On : 2-26-03 5:00:40 PM Operator: L,YURU
Sample : SB-T28-15.5/15,01398-010,S,5.39g,17.3,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 28 7:54 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.78	5894.8E6	1343.9E6	42.793	49.174m
Spiked Amount 100.000			Recovery	=	42.79%	49.17%
2) S DCB	18.95	18.76	1707.7E6	472.0E6	37.428m	49.828 #
Spiked Amount 100.000			Recovery	=	37.43%	49.83%
Target Compounds						
11) T 4,4'-DDE	10.49	11.12	97607560	31882338	1.099m	1.993m#
12) T Dieldrin	10.42	11.40	95796913	21286684	1.091	1.235
14) T Endosulfan II	11.21	13.39	231.5E6	77650094	2.945	2.760
15) T 4,4'-DDD	11.61	13.39	245.2E6	81817652	3.522m	2.908m
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

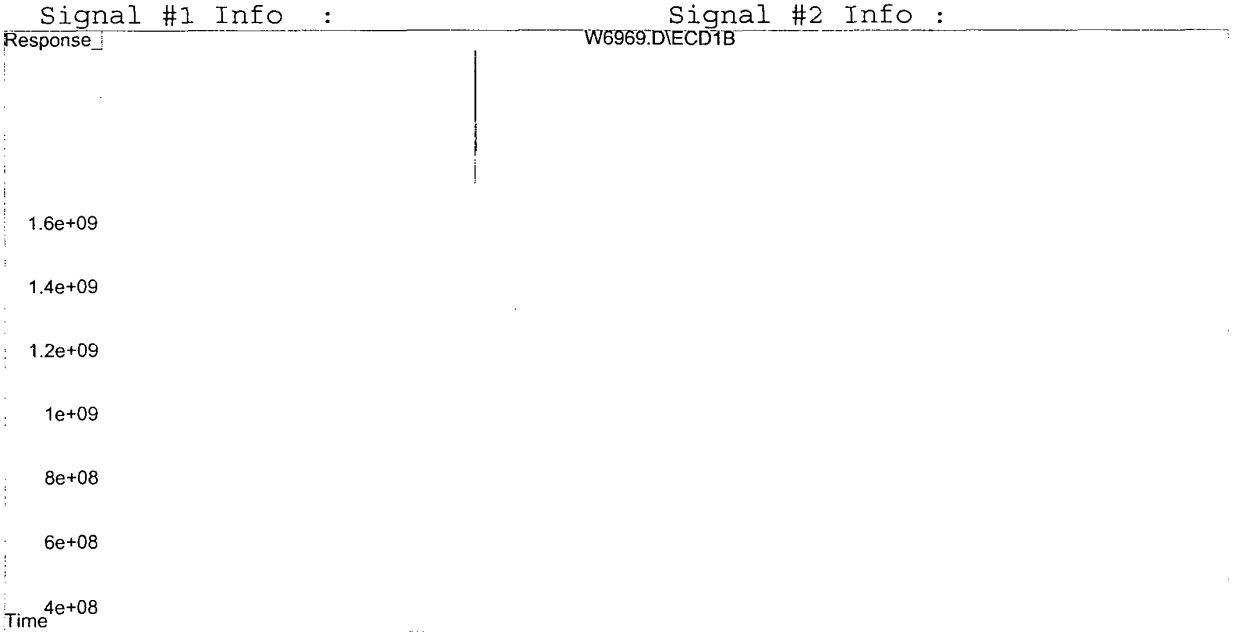
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

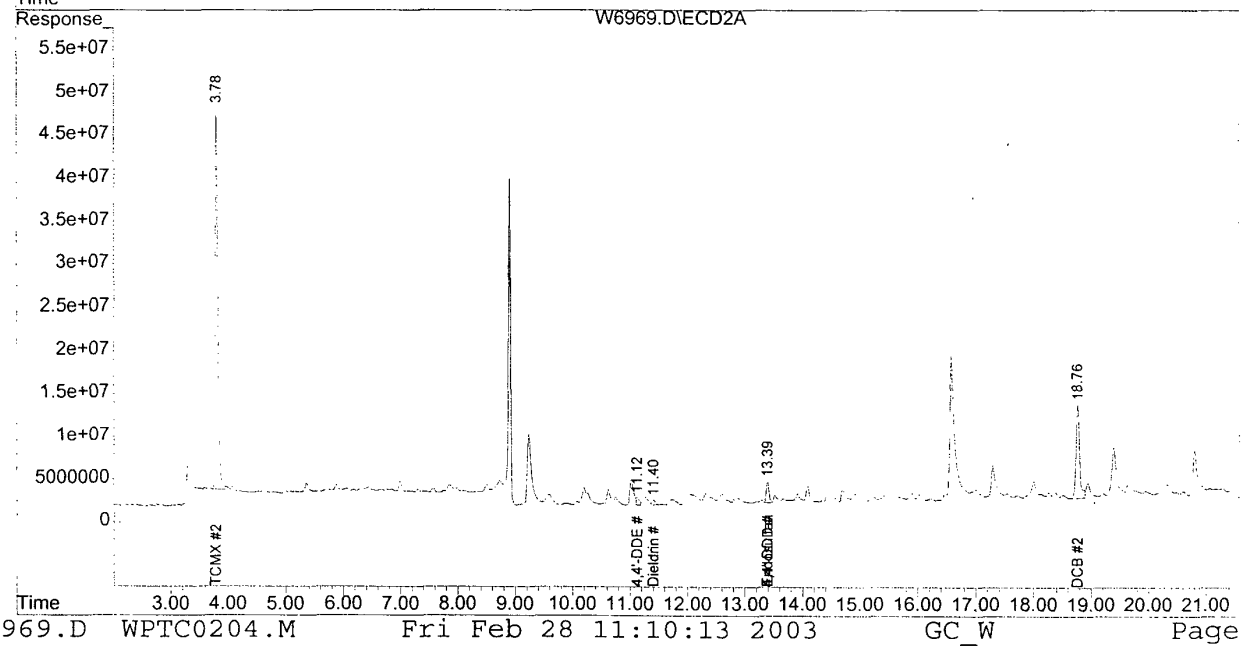
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6969.D\ECD1B.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6969.D\ECD2A.CH
Acq On : 2-26-03 5:00:40 PM Operator: L,YURU
Sample : SB-T28-15.5/15,01398-010,S,5.39g,17.3,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 28 7:54 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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

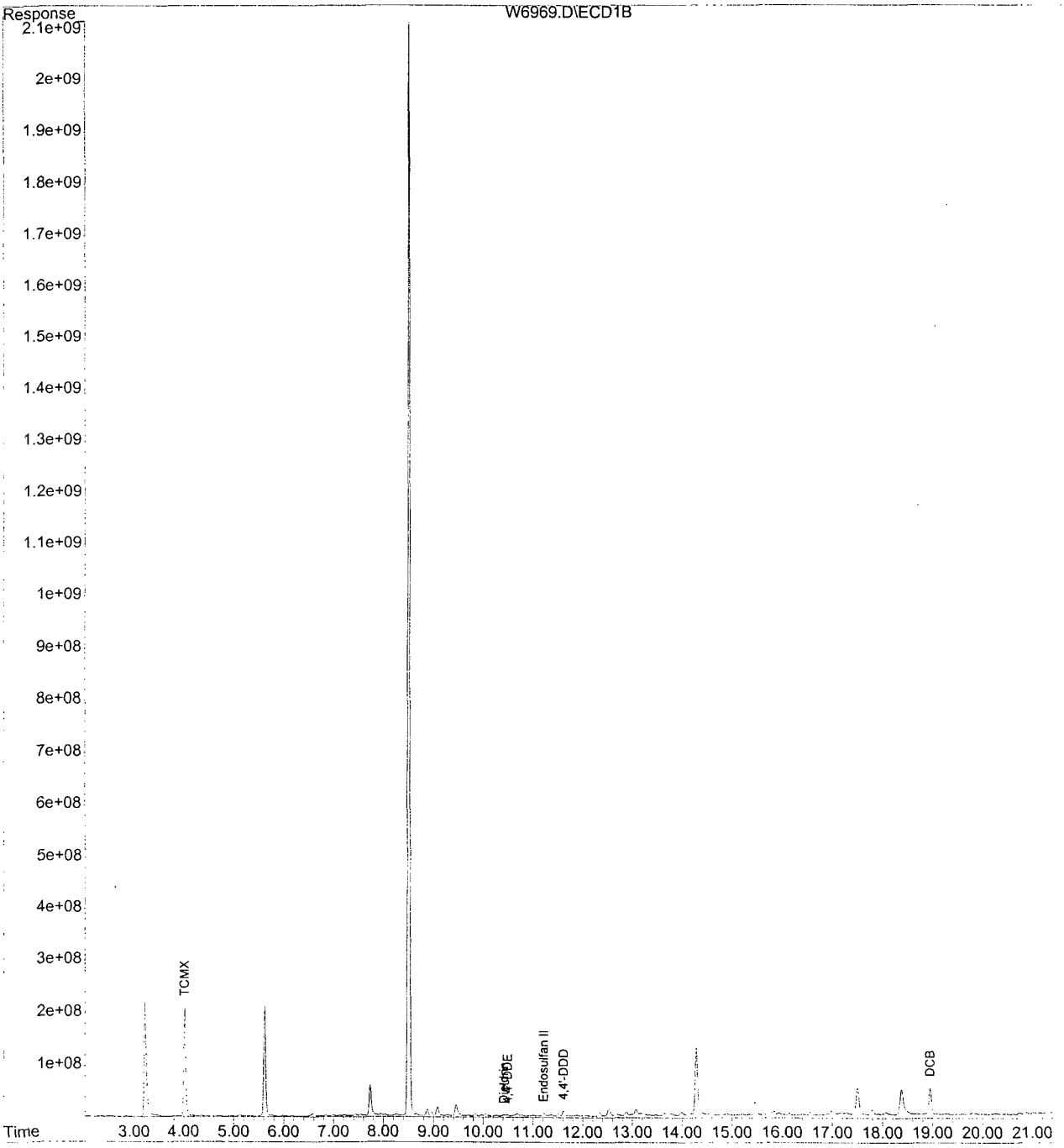




0515

303354

File : C:\HPCHEM\1\DATA\02-26-03\W6969.D
Operator : L,YURU
Acquired : 2-26-03 5:00:40 PM using AcqMethod WPTC0204.M
Instrument : GC_W
Sample Name: SB-T28-15.5/15,01398-010,S,5.39g,17.3,02/26/03,4
Misc Info : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1
Vial Number: 13



0516

303355

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6971.D\ECD1B.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6971.D\ECD2A.CH
Acq On : 2-26-03 5:49:10 PM Operator: L,YURU
Sample : SB-T28-37.5/37,01398-012,S,5.72g,15.7,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:34 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.M

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

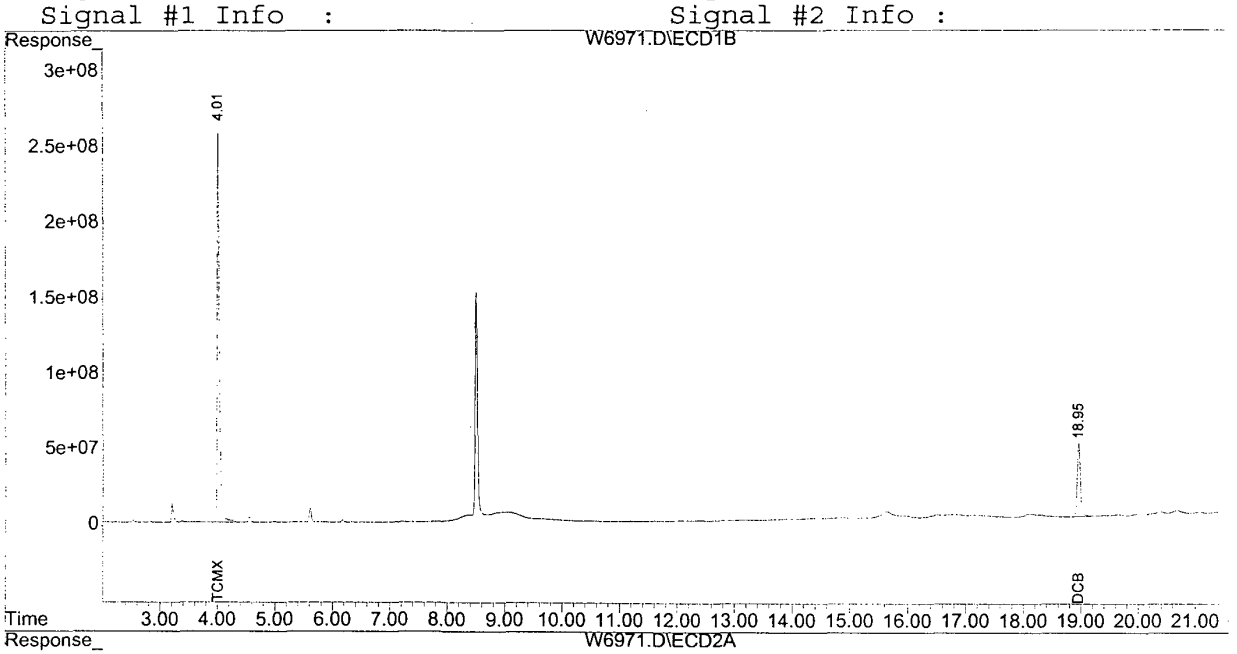
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	4.01	3.79	6733.6E6	1439.2E6	48.883	52.660
Spiked Amount 100.000			Recovery	=	48.88%	52.66%
2) S DCB	18.95	18.77	1819.0E6	403.5E6	39.867	42.601
Spiked Amount 100.000			Recovery	=	39.87%	42.60%
Target Compounds						
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

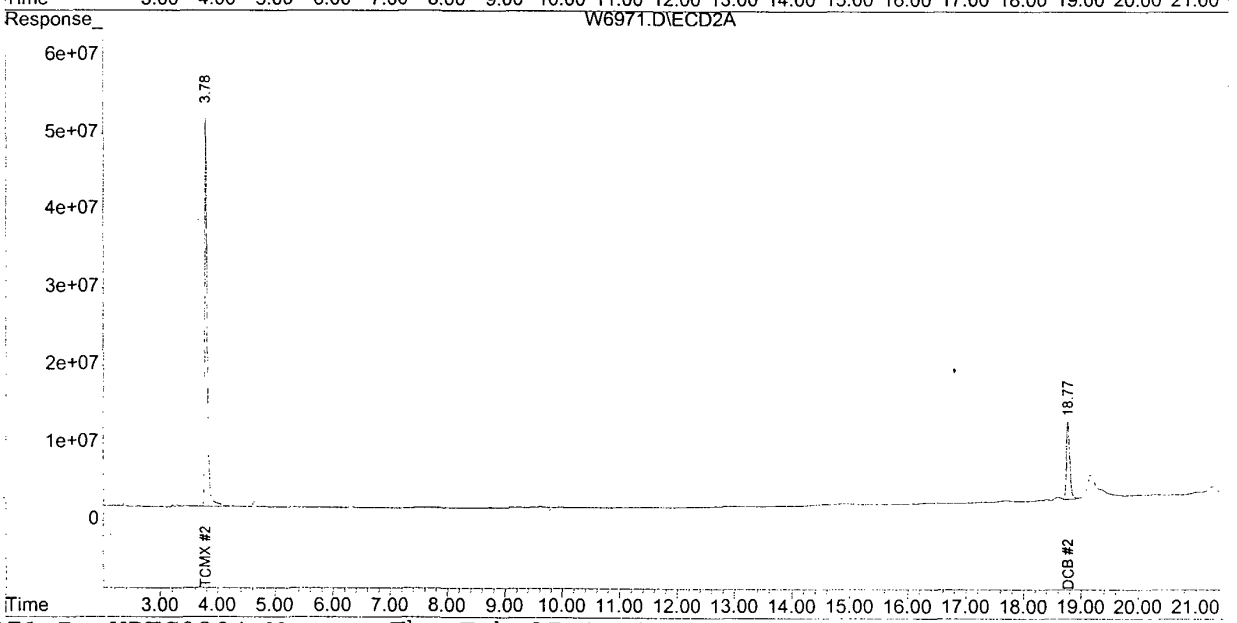
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6971.D\ECD1B.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6971.D\ECD2A.CH
Acq On : 2-26-03 5:49:10 PM Operator: L,YURU
Sample : SB-T28-37.5/37,01398-012,S,5.72g,15.7,02 Inst : GC_W
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 14:34 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0518

303357

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4254.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4254.D\ECD2A.CH
Acq On : 26 Feb 2003 14:39 Operator: L,YURU
Sample : (01376.01398),0226-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 26 15:00:39 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	36672302	23045303	57.876	58.895
Spiked Amount 100.000			Recovery	=	57.88%	58.90%
2) S DCB	18.84	18.68	10248683	6749732	46.998	48.913
Spiked Amount 100.000			Recovery	=	47.00%	48.91%
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

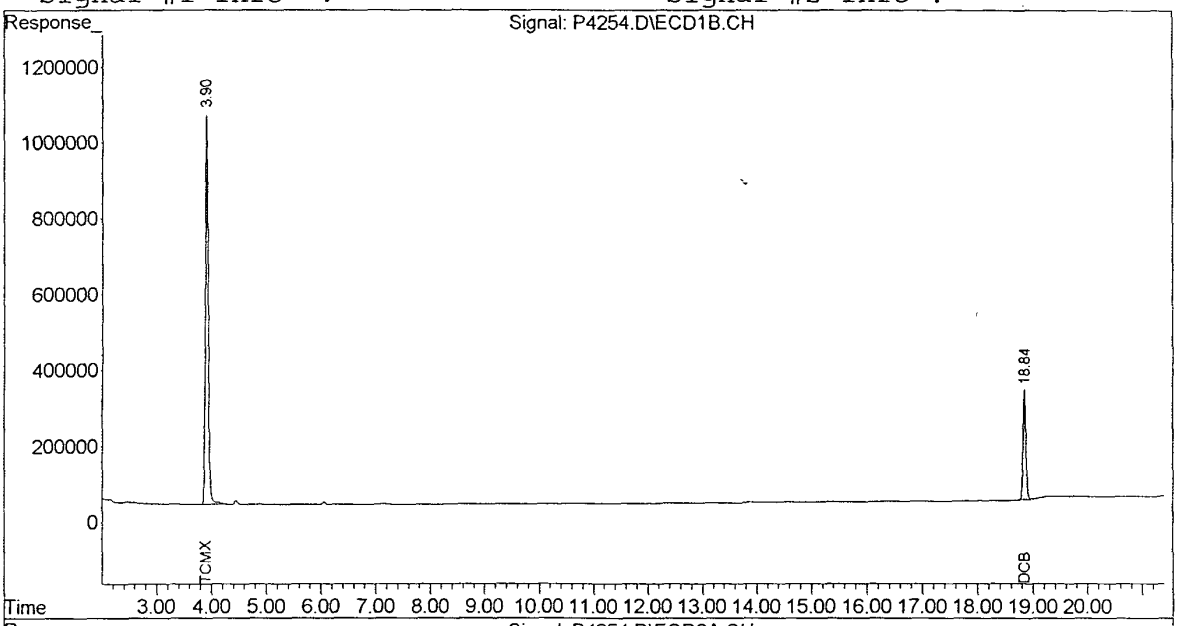
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

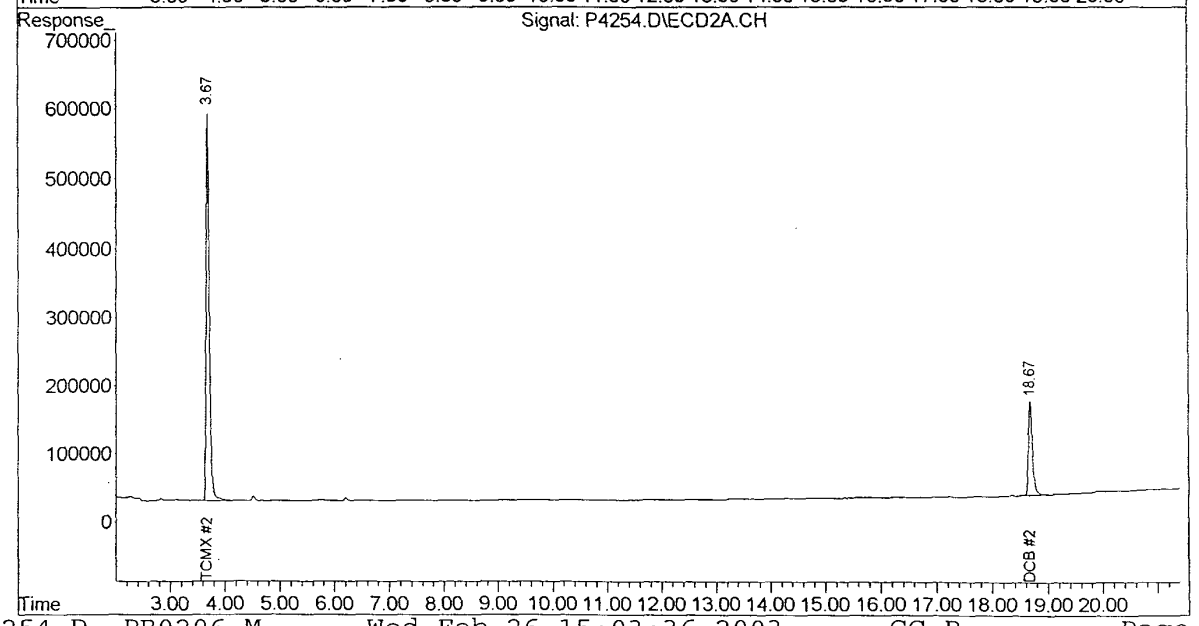
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4254.D\ECD1B.CH Vial: 5
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4254.D\ECD2A.CH
Acq On : 26 Feb 2003 14:39 Operator: L,YURU
Sample : (01376.01398),0226-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 26 15:00 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 :





0520

303359

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4249.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4249.D\ECD2A.CH
Acq On : 26 Feb 2003 12:38 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 12:59:32 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	28497365	18143247	44.975	46.367
Spiked Amount	100.000			Recovery	=	44.98%	46.37%
2) S	DCB	18.84	18.67	7609294	5243708	34.895	38.000
Spiked Amount	100.000			Recovery	=	34.90%	38.00%
	Target Compounds						
3) T	alpha-BHC	4.59	5.59	48381959	31313333	99.187	100.661
4) T	beta-BHC	5.09	8.70	15453300	10652433	85.384m	85.925m
5) T	gamma-BHC	5.23	6.56	44770923	28376362	100.003	100.286
6) T	delta-BHC	5.71	9.26	42410316	27163942	101.386	100.321
7) T	Heptachlor	6.84	7.02	42448305	26307248	112.368	106.928
8) T	Aldrin	7.66	7.70	43349402	28853110	104.504	105.309
9) T	Heptachlor epoxi	8.68	9.56	39536807	26353693	106.686	106.679
10) T	Endosulfan I	9.61	10.25	36880060	25125275	108.489	108.572
11) T	4,4'-DDE	10.38	11.03	40455960	24180992	113.383	109.930
12) T	Dieldrin	10.30	11.29	38610737	27486641	106.641	107.770
13) T	Endrin	10.86	11.82	37234921	23295949	114.620m	113.974
14) T	Endosulfan II	11.12	13.27	34877894	47675683	110.702	114.514
15) T	4,4'-DDD	11.50	13.27	30730246	47675683	114.433m	114.514
16) T	Endrin aldehyde	11.64	14.43	23525708	14043695	94.829	85.634
17) T	Endosulfan sulfa	12.30	15.33	30471672	22685343	111.946	113.720
18) T	4,4'-DDT	12.53	13.72	26546310	12734321	106.784	94.198
19) T	Endrin ketone	13.51	16.36	38754461	25916630	114.840m	111.764
20) T	Methoxychlor	14.21	15.60	13371427	7744457	109.728	100.969
21) T	alpha-Chlordane	9.71	10.64	41621843	27083596	109.176	108.699
22) T	gamma-Chlordane	9.30	10.49	41923136	27320821	107.994	108.334
	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

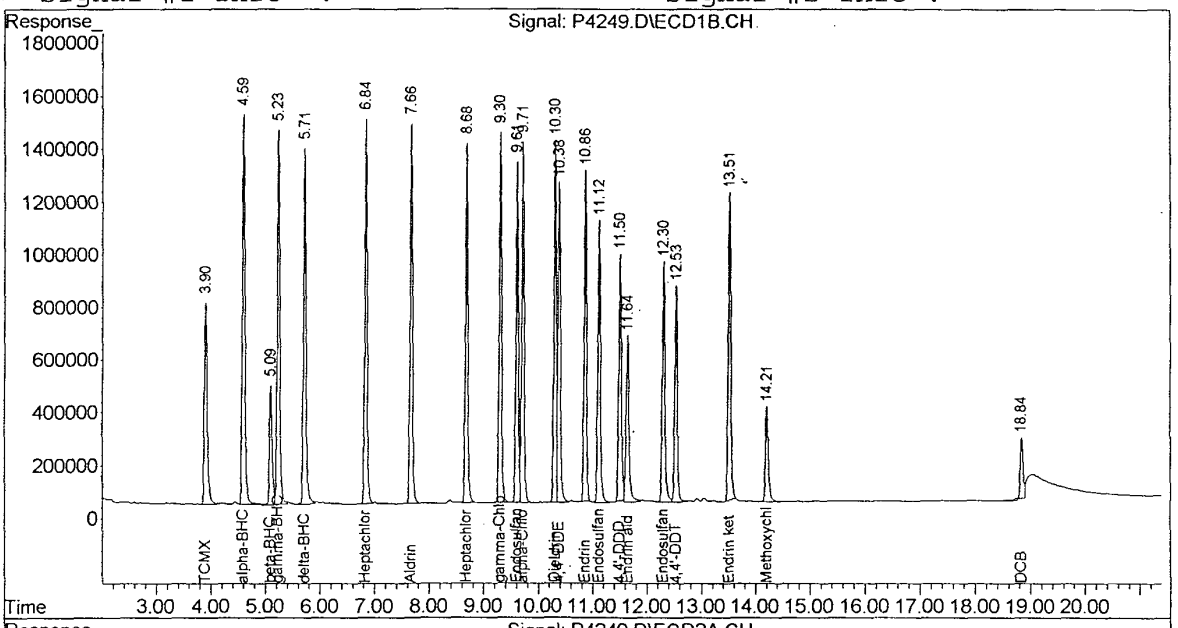
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

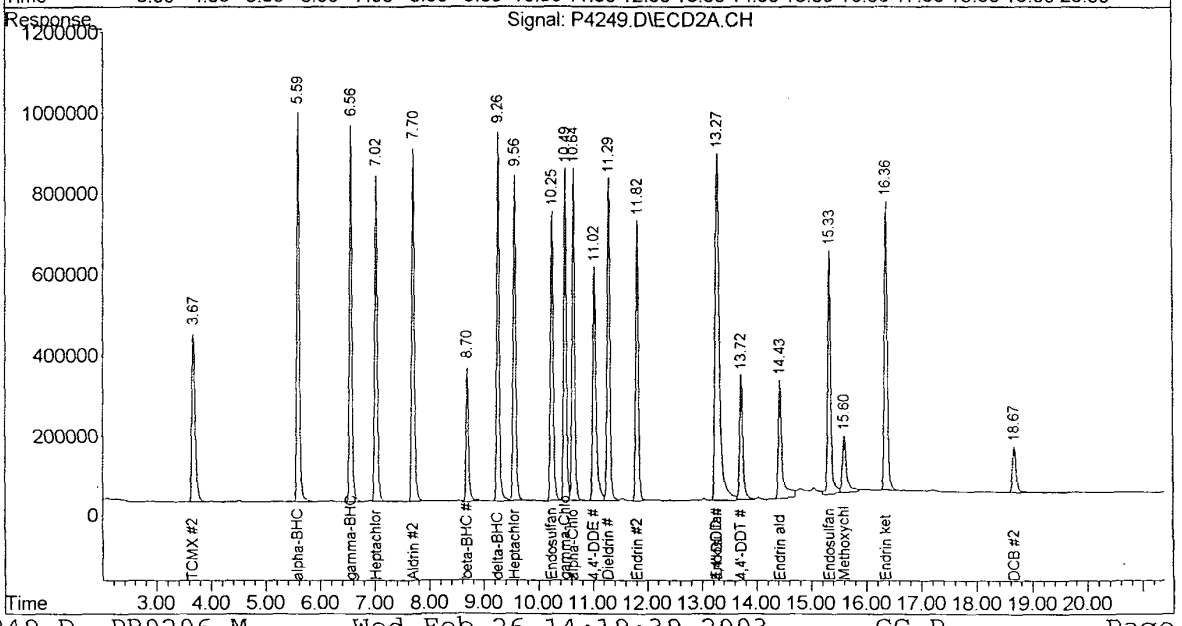
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4249.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4249.D\ECD2A.CH
Acq On : 26 Feb 2003 12:38 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 14:18 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 :





0522

303361

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4253.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4253.D\ECD2A.CH
Acq On : 26 Feb 2003 14:14 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 26 14:36:22 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	3.68	59713065	37758748	94.239	96.497
Spiked Amount 100.000			Recovery	=	94.24%	96.50%
2) S DCB	18.84	18.67	17336295	11076462	79.501	80.268
Spiked Amount 100.000			Recovery	=	79.50%	80.27%
Target Compounds						
23) L1 Chlordane	9.50	8.26	4131596	2842794	482.188	485.593
24) L1 Chlordane {2}	9.71	8.40	19373306	2327220	482.156	493.880
25) L1 Chlordane {3}	9.86	10.49	11550102	13300615	495.511	499.947
26) L1 Chlordane {4}	11.53	10.64	3967320	11223026	490.025	492.342
27) L1 Chlordane {5}	11.72	10.69	5090000	8192400	479.181	512.599
Sum Chlordane			44112323	37886055	2429.061	2484.361
Average Chlordane					485.812	496.872
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

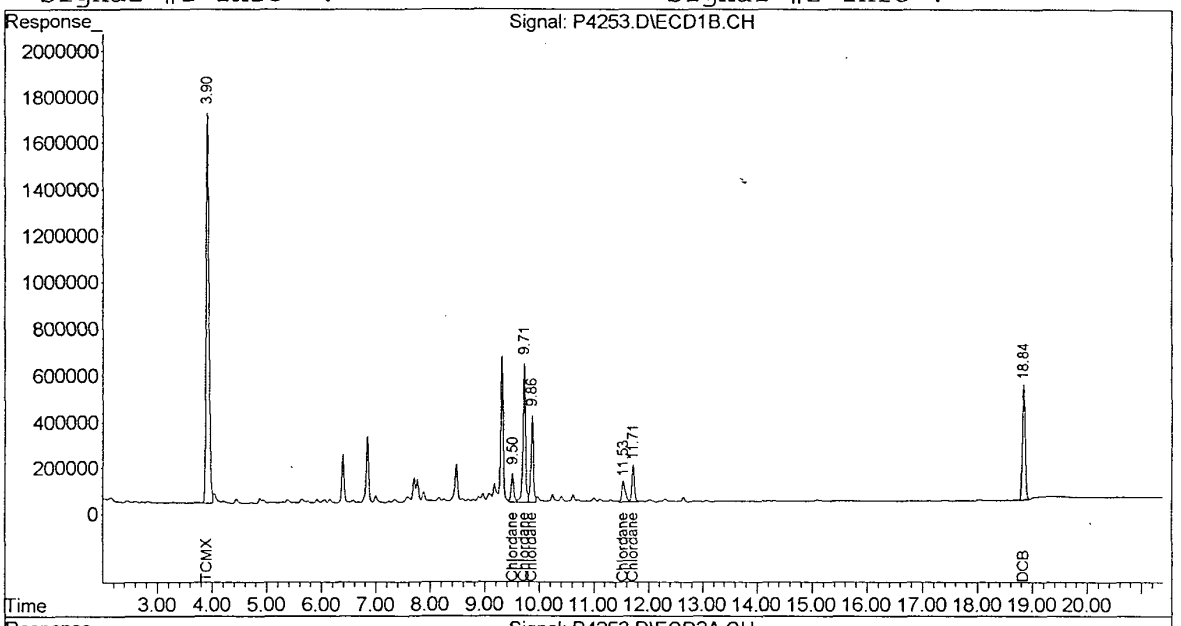
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P4253.D PR0206.M Wed Feb 26 14:38:20 2003 GC_P Page 1

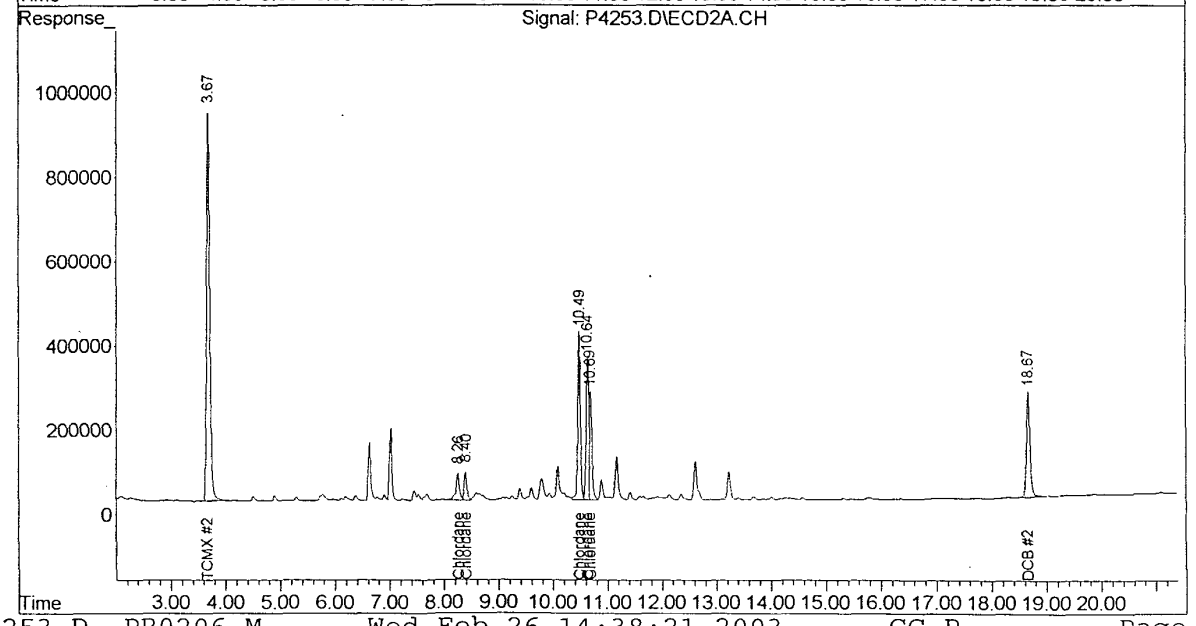
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4253.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4253.D\ECD2A.CH
Acq On : 26 Feb 2003 14:14 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 26 14:38 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 :





0524

303363

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4251.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4251.D\ECD2A.CH
Acq On : 26 Feb 2003 13:26 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 26 13:47:54 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	27687392	17539617	43.696	44.824
Spiked Amount 100.000			Recovery	=	43.70%	44.82%
2) S DCB	18.84	18.67	7449451	5782083	34.162	41.901
Spiked Amount 100.000			Recovery	=	34.16%	41.90%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
28) L2 Toxaphene	12.91	12.44	3095126	2524370	442.076	573.488 #
29) L2 Toxaphene {2}	13.66	12.56	2606980	2435158	433.214m	525.409
30) L2 Toxaphene {3}	13.73	14.05	2941293	3227560	437.801m	474.548
31) L2 Toxaphene {4}	14.70	15.69	4618923	2547920	428.012m	434.333
32) L2 Toxaphene {5}	15.22	16.07	3278987	1320025	436.080m	438.457m
Sum Toxaphene			16541308	12055034	2177.182	2446.234
Average Toxaphene					435.436	489.247

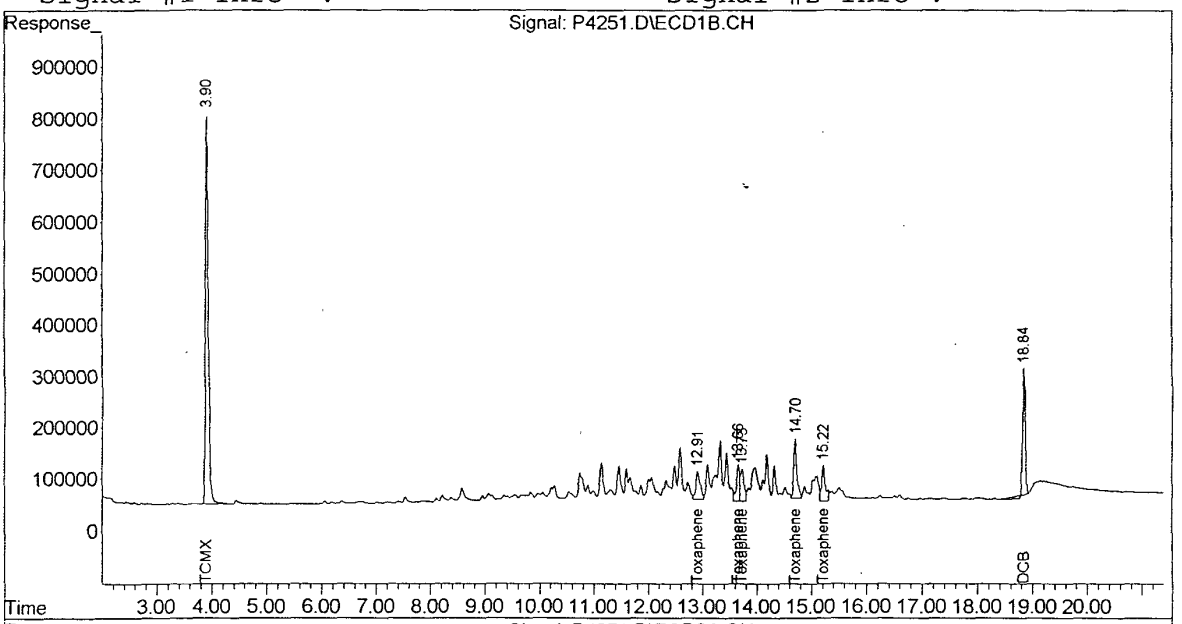
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

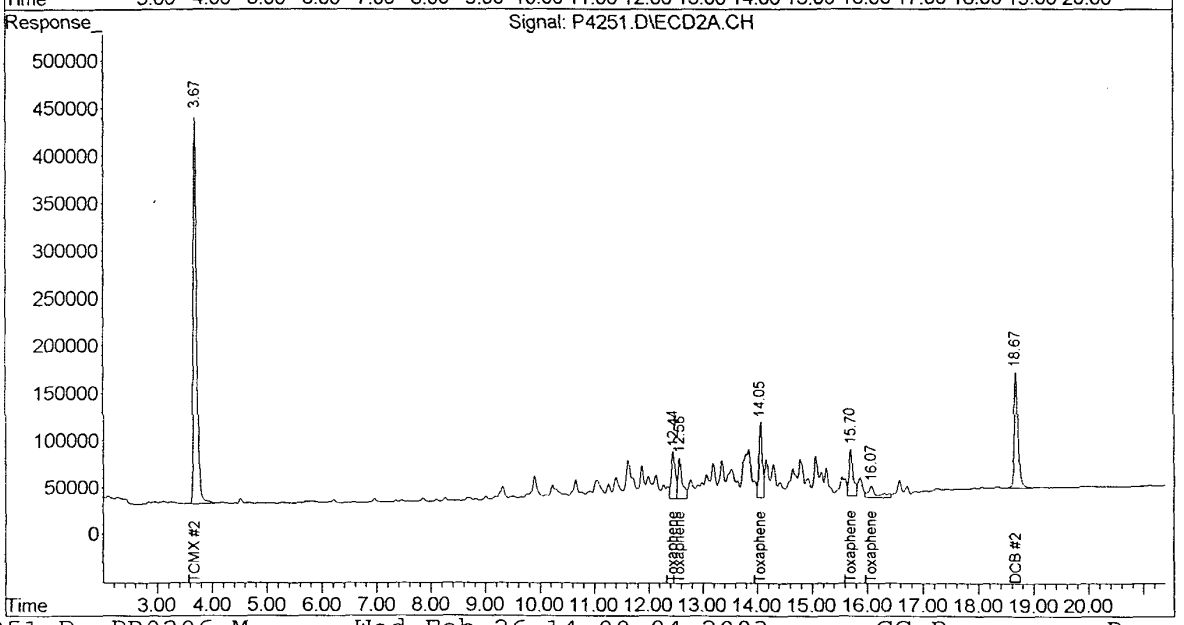
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4251.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4251.D\ECD2A.CH
Acq On : 26 Feb 2003 13:26 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 26 13:59 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 : Multiple Level Calibration
DataAcq Meth : PR0206.M

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





0526

303365

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4269.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4269.D\ECD2A.CH
Acq On : 26 Feb 2003 20:45 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 26 21:06:38 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 : 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	3.68	28249711	17939609	44.584	45.847
Spiked Amount	100.000			Recovery	=	44.58%	45.85%
2) S	DCB	18.84	18.67	9267434	5943335	42.498	43.070
Spiked Amount	100.000			Recovery	=	42.50%	43.07%
	Target Compounds						
3) T	alpha-BHC	4.59	5.60	44297003	28167616	90.813	90.549
4) T	beta-BHC	5.10	8.70	17790036	10809366	98.295	87.190m
5) T	gamma-BHC	5.23	6.56	46357338	25447259	103.547	89.934
6) T	delta-BHC	5.71	9.26	44608311	24702248	106.640	91.230
7) T	Heptachlor	6.84	7.03	38558989	22903524	102.072	93.093
8) T	Aldrin	7.66	7.70	38458709	25231082	92.714	92.089
9) T	Heptachlor epoxi	8.68	9.56	35306988	23479777	95.272	95.045
10) T	Endosulfan I	9.61	10.25	32443645	22151993	95.438	95.724
11) T	4,4'-DDE	10.38	11.03	35272261	21940934	98.855	99.746
12) T	Dieldrin	10.30	11.29	34450084	24151791	95.149	94.694
13) T	Endrin	10.86	11.82	34331588	22465103	105.682	109.910
14) T	Endosulfan II	11.12	13.28	31225232	43210162	99.109	103.788
15) T	4,4'-DDD	11.50	13.28	29202304	43210162	108.743	103.788
16) T	Endrin aldehyde	11.64	14.43	21572825	14255060	86.957m	86.923m
17) T	Endosulfan sulfa	12.30	15.33	27721426	20624871	101.842	103.391
18) T	4,4'-DDT	12.53	13.72	22500428	11821501	90.509	87.446
19) T	Endrin ketone	13.51	16.36	34749022	24359028	102.971	105.047
20) T	Methoxychlor	14.21	15.60	12846855	7115822	105.423	92.774
21) T	alpha-Chlordane	9.71	10.64	35925110	23687468	94.233	95.069
22) T	gamma-Chlordane	9.30	10.49	37045349	24076985	95.428	95.472
	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

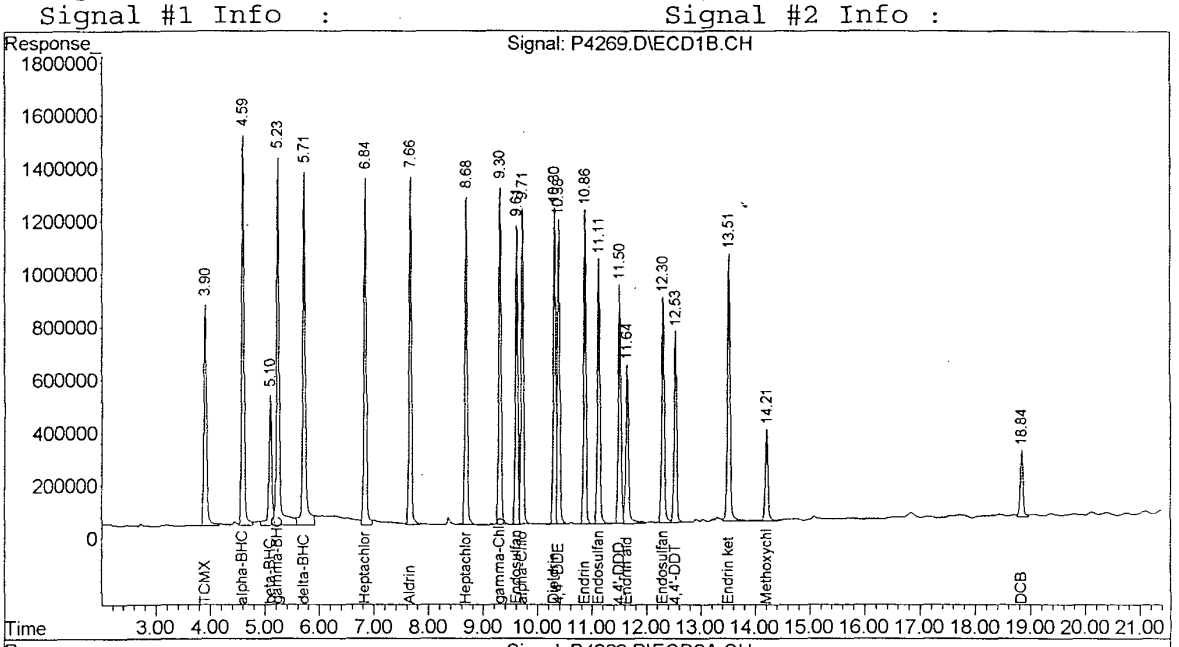
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

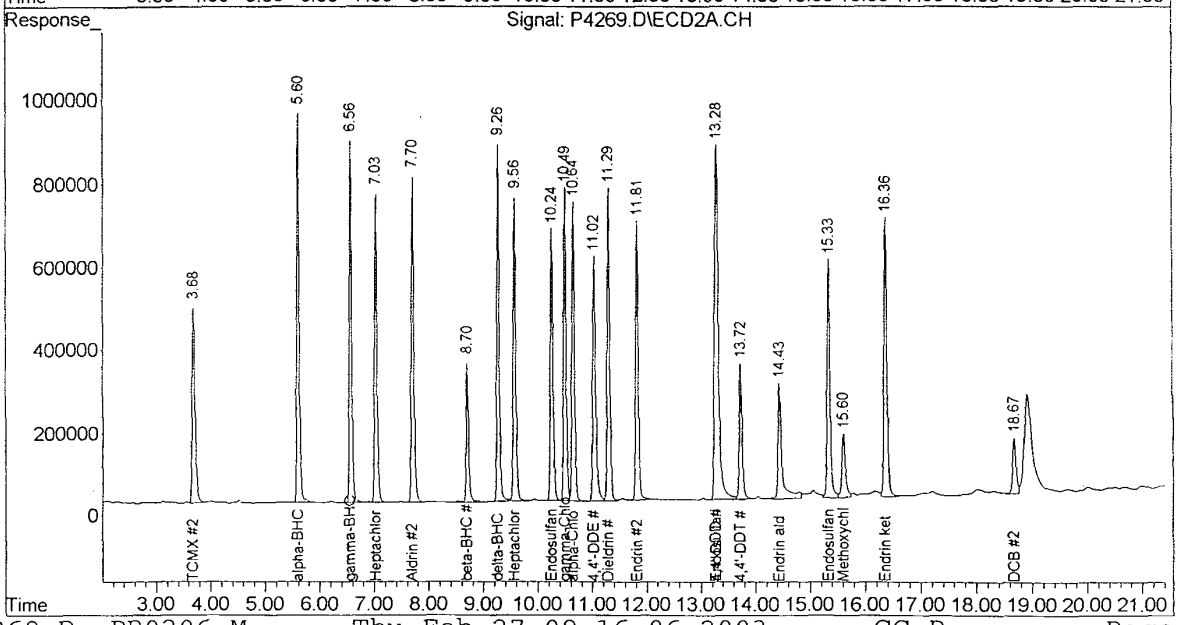
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4269.D\ECD1B.CH Vial: 20
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4269.D\ECD2A.CH
Acq On : 26 Feb 2003 20:45 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 27 9:13 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 :





0528

303367

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\data\02-26-03\W6961.D\ECD1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\data\02-26-03\W6961.D\ECD2A.CH
Acq On : 2-26-03 1:44:26 PM Operator: L,YURU
Sample : (01398),0226-MS1,S,5.0g,0.0,02/26/03.4 Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 14:06 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	9398.8E6	1908.2E6	68.231	69.820
Spiked Amount 100.000			Recovery	=	68.23%	69.82%
2) S DCB	18.95	18.77	2977.4E6	598.5E6	65.257	63.186
Spiked Amount 100.000			Recovery	=	65.26%	63.19%
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

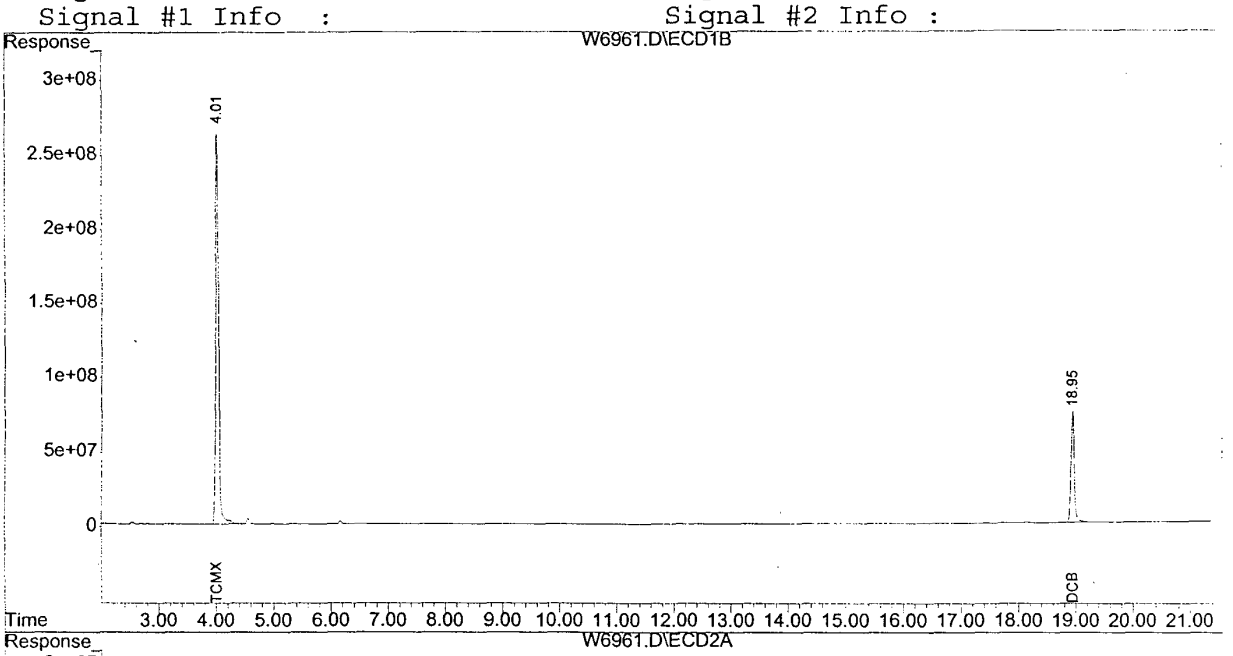
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

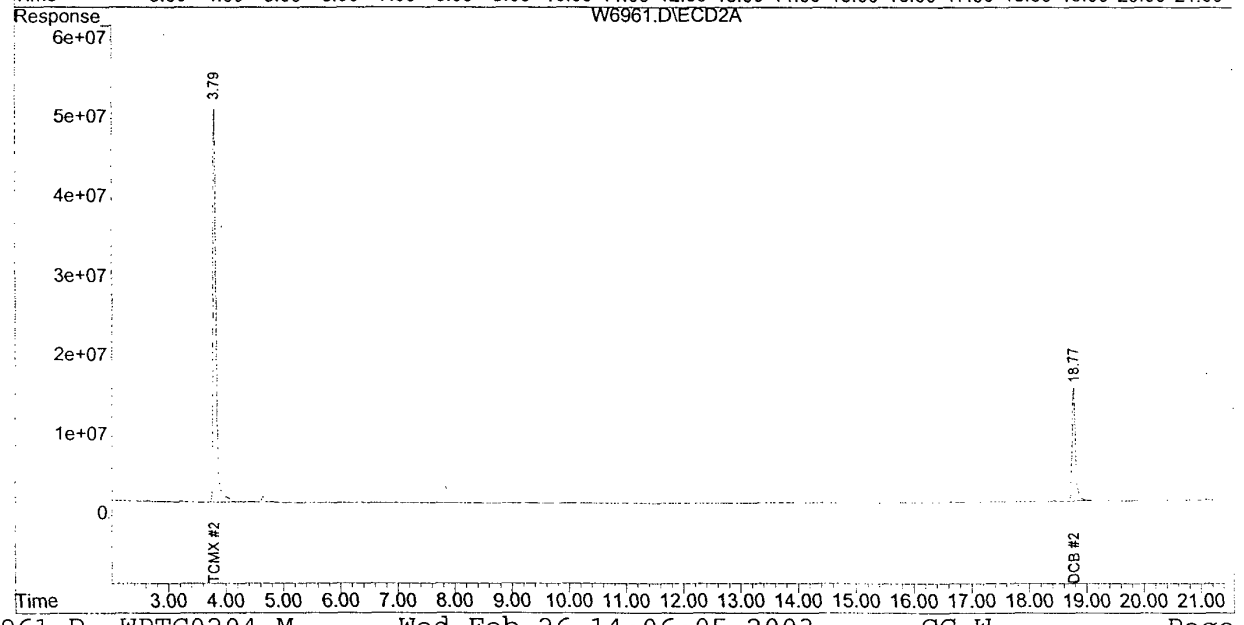
Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\data\02-26-03\W6961.D\ECD1B.CH Vial: 5
Signal #2 : C:\HPCHEM\1\data\02-26-03\W6961.D\ECD2A.CH
Acq On : 2-26-03 1:44:26 PM Operator: L,YURU
Sample : (01398),0226-MS1,S,5.0g,0.0,02/26/03.4 Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 14:06 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0530

303369

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6956.D\ECD1B.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6956.D\ECD2A.CH
Acq On : 2-26-03 11:40:51 AM Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:30 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.80	7694.7E6	1537.4E6	55.860	56.252
Spiked Amount	100.000			Recovery	=	55.86%	56.25%
2) S	DCB	18.95	18.77	2393.8E6	485.1E6	52.465	51.214
Spiked Amount	100.000			Recovery	=	52.47%	51.21%
	Target Compounds						
3) T	alpha-BHC	4.70	5.72	11955.5E6	2236.3E6	101.259	101.819
4) T	beta-BHC	5.20	8.82	3932.3E6	805.3E6	92.663	90.119
5) T	gamma-BHC	5.34	6.69	10912.3E6	2029.1E6	102.088	102.964
6) T	delta-BHC	5.82	9.38	10465.4E6	1920.7E6	98.560	99.628
7) T	Heptachlor	6.95	7.15	9201.1E6	1537.7E6	103.746	103.308
8) T	Aldrin	7.78	7.82	10162.1E6	2019.8E6	102.919	106.929
9) T	Heptachlor epoxi	8.80	9.68	9038.1E6	1859.4E6	103.200	107.649
10) T	Endosulfan I	9.72	10.37	8554.3E6	1767.9E6	104.702	109.103
11) T	4,4'-DDE	10.49	11.14	9255.5E6	1690.0E6	104.181	105.640
12) T	Dieldrin	10.42	11.41	8859.4E6	1831.0E6	100.904	106.217
13) T	Endrin	10.98	11.94	7967.4E6	1525.9E6	101.452	104.453
14) T	Endosulfan II	11.24	13.39	8321.5E6	3094.1E6	105.869	109.968
15) T	4,4'-DDD	11.61	13.39	7343.7E6	3094.1E6	105.476	109.968
16) T	Endrin aldehyde	11.76	14.55	6346.7E6	937.8E6	96.040	86.838
17) T	Endosulfan sulfa	12.42	15.45	7587.0E6	1378.3E6	103.319	105.228
18) T	4,4'-DDT	12.64	13.83	6016.6E6	812.2E6	101.579	98.574
19) T	Endrin ketone	13.63	16.48	9237.0E6	1698.9E6	106.131	110.351
20) T	Methoxychlor	14.32	15.70	2698.3E6	417.5E6	98.181	100.526
21) T	alpha-Chlordane	9.83	10.76	10054.0E6	1907.0E6	106.794	109.626
22) T	gamma-Chlordane	9.42	10.61	10202.3E6	1920.7E6	106.453	109.155
	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

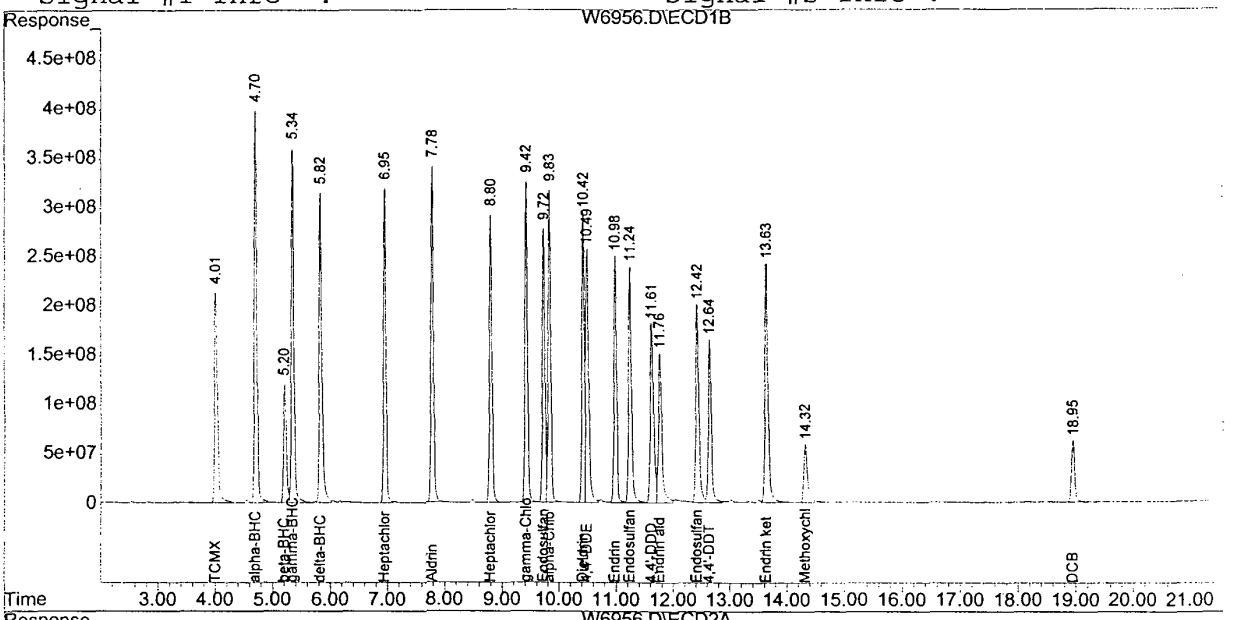
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

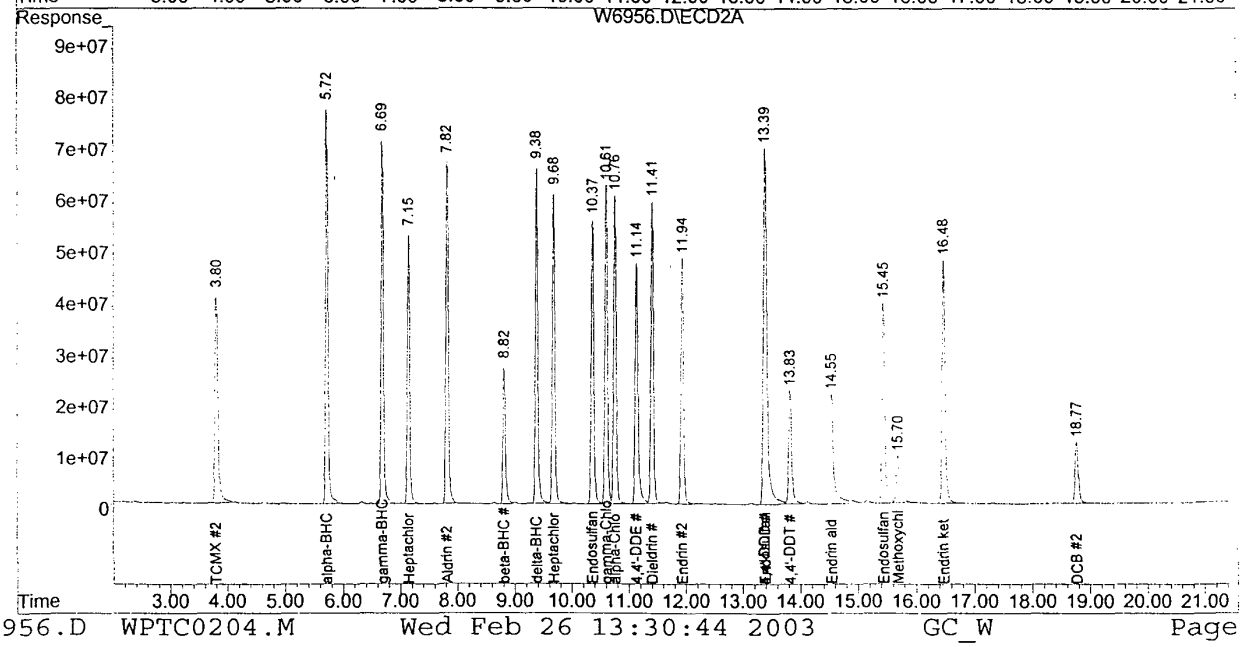
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6956.D\ECD1B.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6956.D\ECD2A.CH
Acq On : 2-26-03 11:40:51 AM Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:30 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0532

303371

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6959.D\ECD1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6959.D\ECD2A.CH
Acq On : 2-26-03 12:56:01 PM Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:33 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.80	11425.1E6	2418.3E6	82.941	88.485
Spiked Amount 100.000			Recovery	=	82.94%	88.48%
2) S DCB	18.95	18.77	3612.6E6	744.1E6	79.178	78.562
Spiked Amount 100.000			Recovery	=	79.18%	78.56%
Target Compounds						
23) L1 Chlordane	8.59	8.39	1827.2E6	176.2E6	558.294	526.862
24) L1 Chlordane {2}	9.42	8.52	5654.9E6	175.9E6	528.620	530.129
25) L1 Chlordane {3}	9.62	10.61	1313.5E6	1053.5E6	537.671	532.092
26) L1 Chlordane {4}	9.83	10.76	5547.9E6	925.7E6	525.945	563.144
27) L1 Chlordane {5}	9.97	10.81	3411.8E6	616.6E6	532.456	520.440
Sum Chlordane			17755.4E6	2947.9E6	2682.986	2672.666
Average Chlordane					536.597	534.533
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

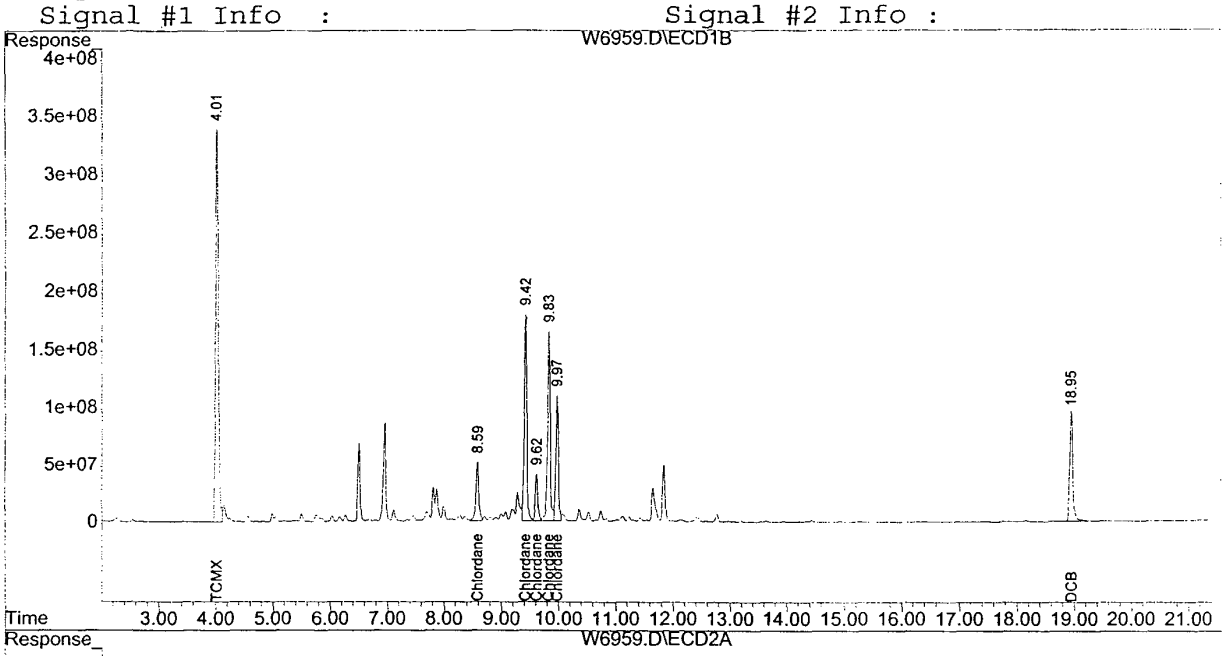
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

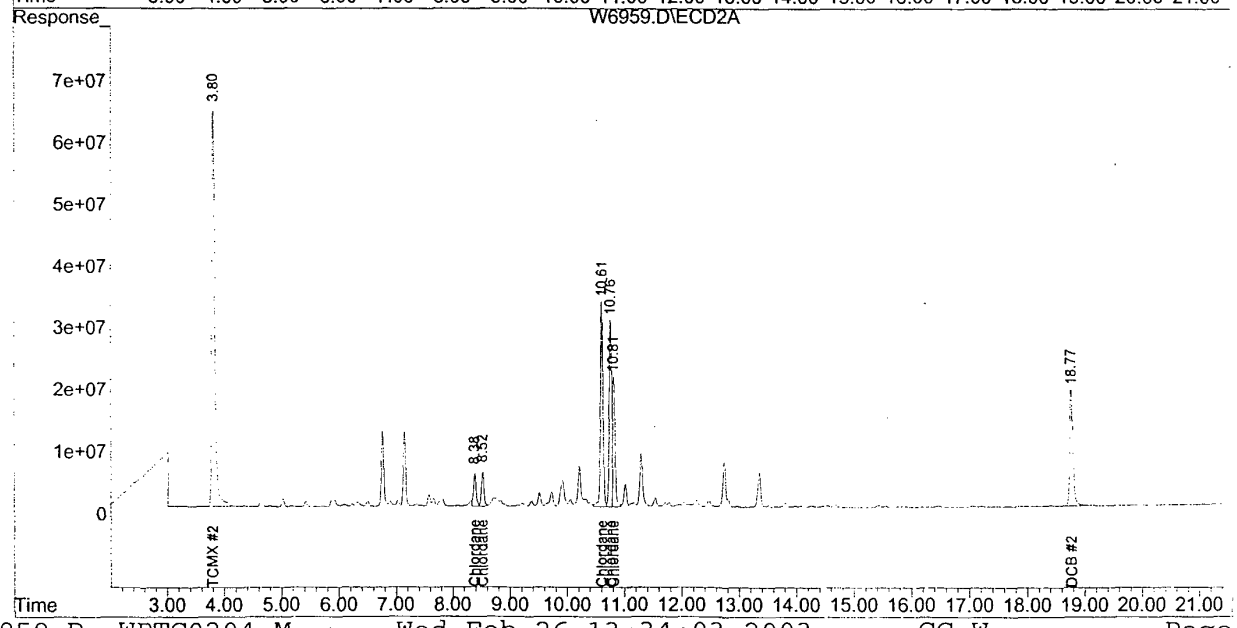
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6959.D\ECD1B.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6959.D\ECD2A.CH
Acq On : 2-26-03 12:56:01 PM Operator: L,YURU
Sample : CHLOR_C_IAS_1871,0.5_PPM Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:33 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0534

303373

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6960.D\ECD1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6960.D\ECD2A.CH
Acq On : 2-26-03 1:20:14 PM Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:51 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	5826.5E6	1184.7E6	42.297	43.349
Spiked Amount 100.000			Recovery	=	42.30%	43.35%
2) S DCB	18.95	18.77	2031.7E6	410.2E6	44.528	43.304
Spiked Amount 100.000			Recovery	=	44.53%	43.30%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
28) L2 Toxaphene	12.71	14.17	1363.1E6	201.4E6	495.567	507.251m
29) L2 Toxaphene {2}	13.44	14.89	1437.5E6	149.5E6	493.099	413.398m
30) L2 Toxaphene {3}	13.57	15.36	1082.4E6	88879516	493.253	425.094m
31) L2 Toxaphene {4}	13.78	15.97	774.1E6	104.0E6	462.257	504.979m
32) L2 Toxaphene {5}	13.85	16.18	747.0E6	72935990	434.817	481.011m
Sum Toxaphene			5404.1E6	616.7E6	2378.993	2331.733
Average Toxaphene					475.799	466.347

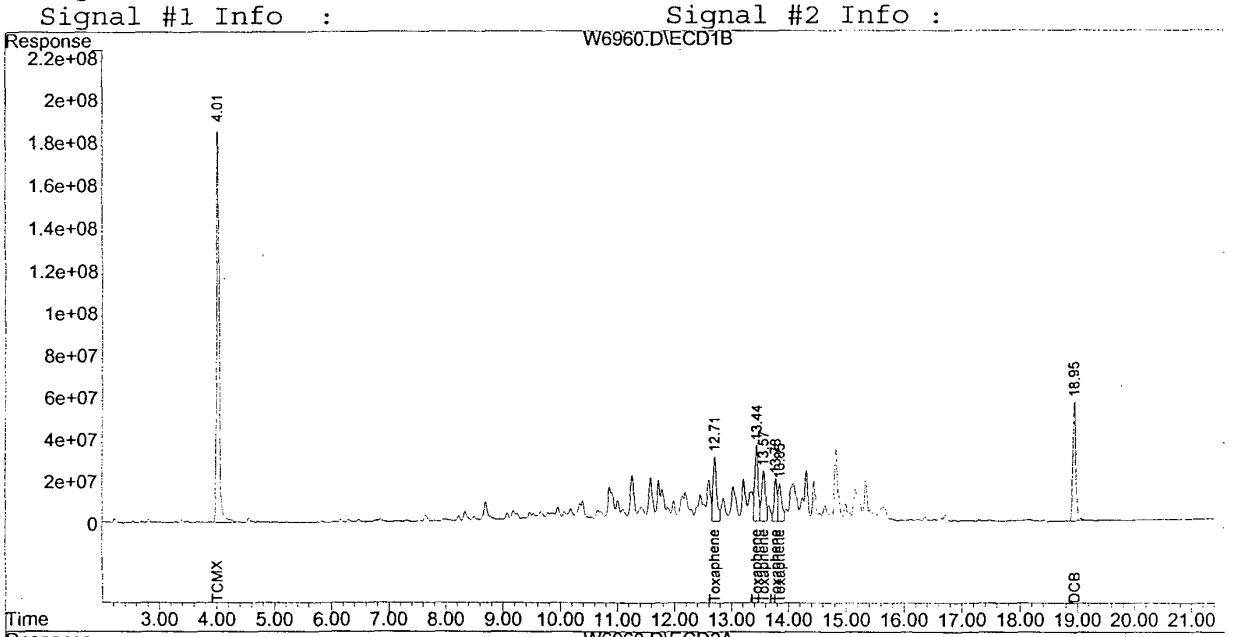
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

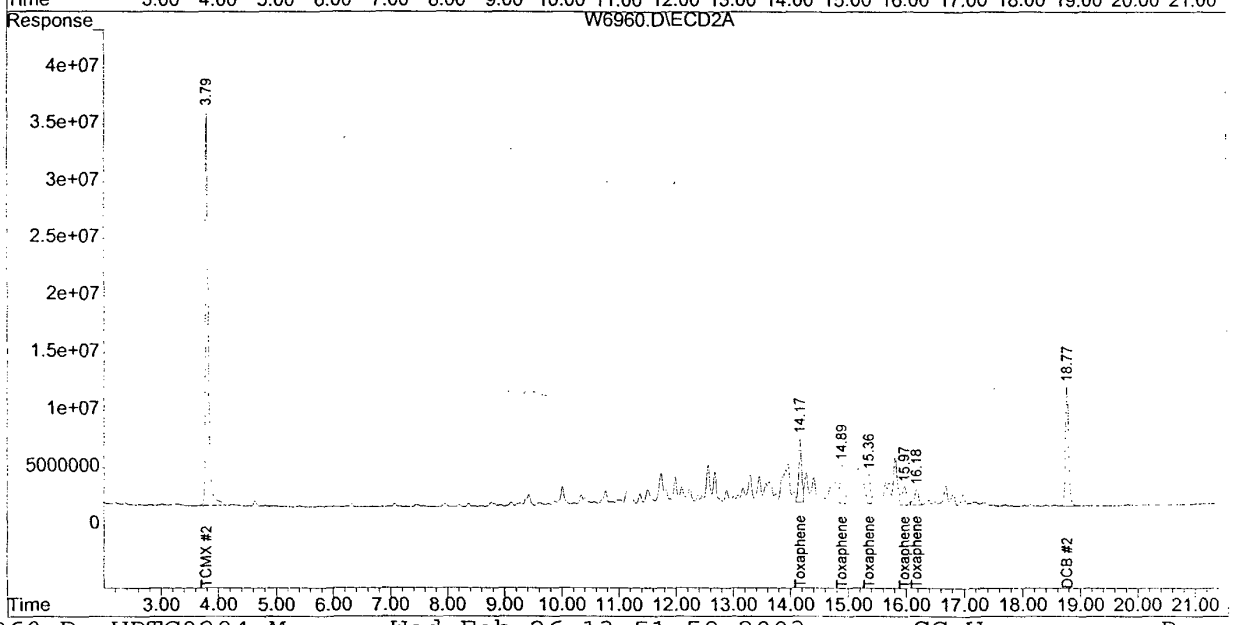
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6960.D\ECD1B.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6960.D\ECD2A.CH
Acq On : 2-26-03 1:20:14 PM Operator: L,YURU
Sample : TOX_C_IAS_1872,0.5_PPM Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 26 13:51 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0536

303375

Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6974.D\ECD1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6974.D\ECD2A.CH
Acq On : 2-26-03 7:01:53 PM Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 9:37 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Initial Calibration
DataAcq Meth : WPTC0204.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	4.01	3.79	7294.0E6	1491.8E6	52.951	54.583
Spiked Amount 100.000			Recovery	=	52.95%	54.58%
2) S DCB	18.95	18.77	1995.6E6	433.7E6	43.738	45.788
Spiked Amount 100.000			Recovery	=	43.74%	45.79%
Target Compounds						
3) T alpha-BHC	4.70	5.71	11375.8E6	2190.4E6	96.349	99.726
4) T beta-BHC	5.21	8.81	3778.9E6	784.4E6	89.049	87.783
5) T gamma-BHC	5.35	6.68	10376.1E6	1979.9E6	97.072	100.465
6) T delta-BHC	5.83	9.38	10144.7E6	1909.7E6	95.540	99.055
7) T Heptachlor	6.95	7.14	8748.0E6	1308.4E6	98.638	87.905m
8) T Aldrin	7.78	7.82	9743.1E6	1963.7E6	98.676	103.959
9) T Heptachlor epoxi	8.80	9.68	8575.4E6	1799.0E6	97.916	104.148
10) T Endosulfan I	9.73	10.36	8108.5E6	1711.6E6	99.247	105.627
11) T 4,4'-DDE	10.49	11.13	8892.3E6	1654.2E6	100.094	103.400
12) T Dieldrin	10.42	11.41	8451.9E6	1764.2E6	96.263	102.343
13) T Endrin	10.98	11.93	7686.0E6	1484.0E6	97.869	101.587
14) T Endosulfan II	11.24	13.39	7913.9E6	3008.3E6	100.684	106.917
15) T 4,4'-DDD	11.62	13.39	7177.3E6	3008.3E6	103.086	106.917
16) T Endrin aldehyde	11.76	14.54	6039.1E6	923.0E6	91.386	85.460
17) T Endosulfan sulfa	12.42	15.44	7255.9E6	1326.9E6	98.810	101.305
18) T 4,4'-DDT	12.64	13.82	5381.7E6	707.6E6	90.859	85.875m
19) T Endrin ketone	13.64	16.47	8760.2E6	1609.8E6	100.653	104.561
20) T Methoxychlor	14.32	15.69	2513.4E6	359.6E6	91.453	86.595m
21) T alpha-Chlordane	9.83	10.76	9513.0E6	1836.8E6	101.048	105.590
22) T gamma-Chlordane	9.42	10.60	9665.5E6	1854.7E6	100.852	105.406
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

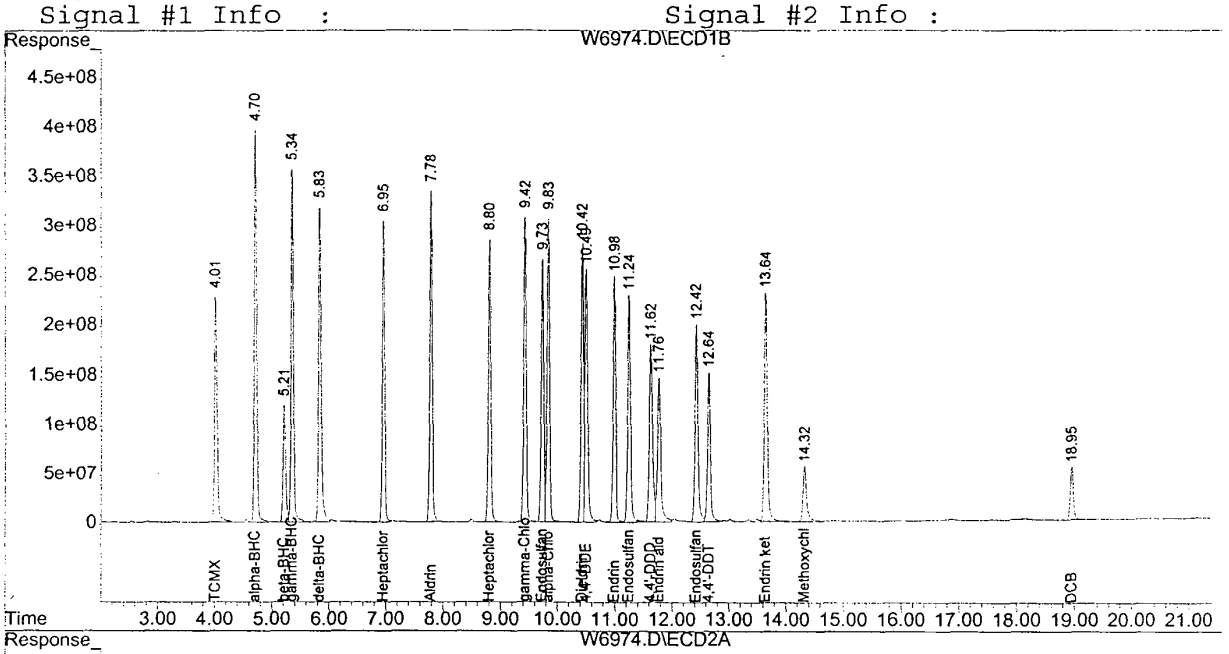
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

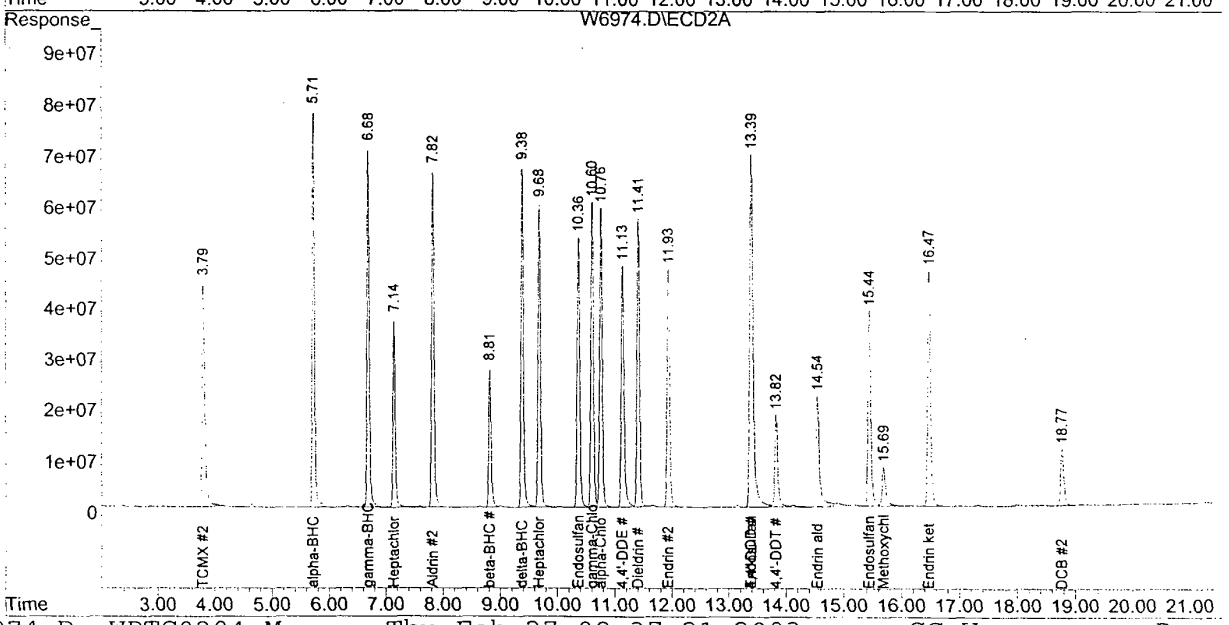
Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\02-26-03\W6974.D\ECD1B.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA\02-26-03\W6974.D\ECD2A.CH
Acq On : 2-26-03 7:01:53 PM Operator: L,YURU
Sample : PEST_C_IAS_1876,100_PPB Inst : GC_W
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: AUTOINT1.E IntFile Signal #2: AUTOINT2.E
Quant Time: Feb 27 9:37 2003 Quant Results File: WPTC0204.RES

Quant Method : C:\HPCHEM\1\METHODS\WPTC0204.M (Chemstation Integrator)
Title :
Last Update : Tue Feb 04 15:51:31 2003
Response via : Multiple Level Calibration
DataAcq Meth : WPTC0204.M

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





0538

303377

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-26-03\P4264.D\ECD1B.CH Vial: 15
Signal #2 : C:\MSDCHEM\1\DATA\02-26-03\P4264.D\ECD2A.CH
Acq On : 26 Feb 2003 18:44 Operator: L,YURU
Sample : FIELD_BLANK,01398-001,A,1000ml,100,02/26 Inst : GC_P
Misc : EWMA/FORMER_CELOTE,02/24/03,02/25/03,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 26 19:05:46 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	3.90	3.67	6396760	4325979	10.095	11.056
Spiked Amount 100.000			Recovery	=	10.10%	11.06%
2) S DCB	18.84	18.68	2116023	1455890	9.704m	10.550
Spiked Amount 100.000			Recovery	=	9.70%	10.55%
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\02-27-03\P4297.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4297.D\ECD2A.CH
Acq On : 27 Feb 2003 22:18 Operator: L,YURU
Sample : (01398),0226-BK1,S,5.0g,0.0,02/26/03,4 Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 27 22:39:51 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	53978681	33586462	85.189	85.834
Spiked Amount 100.000			Recovery	=	85.19%	85.83%
2) S DCB	18.84	18.68	15812188	9853245	72.511	71.404
Spiked Amount 100.000			Recovery	=	72.51%	71.40%
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

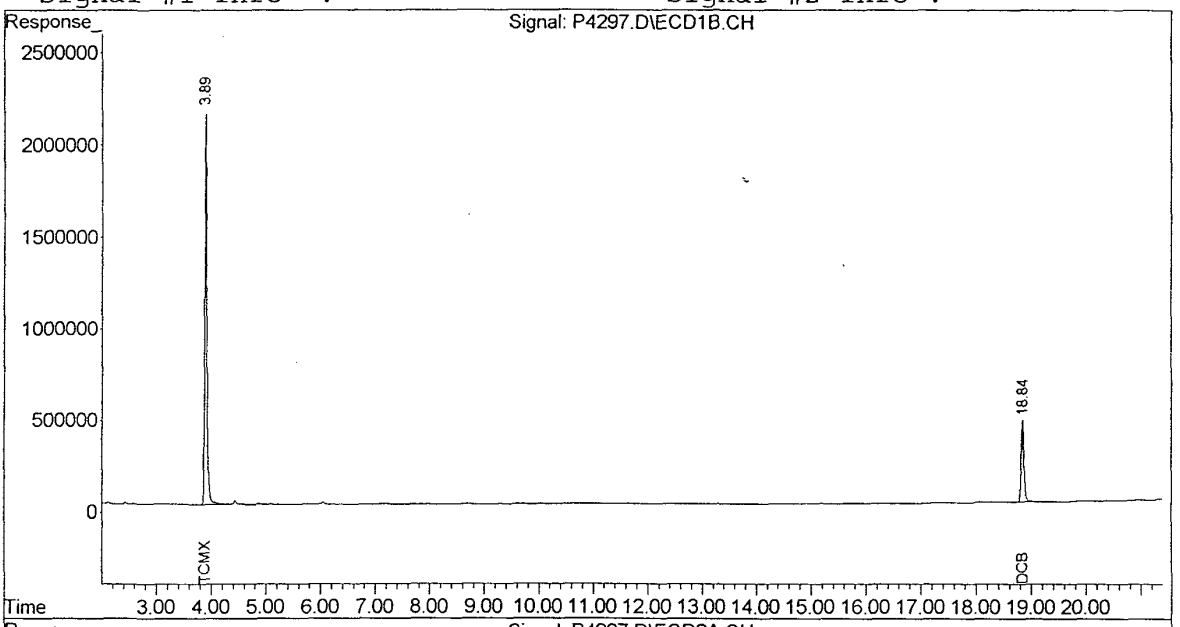
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

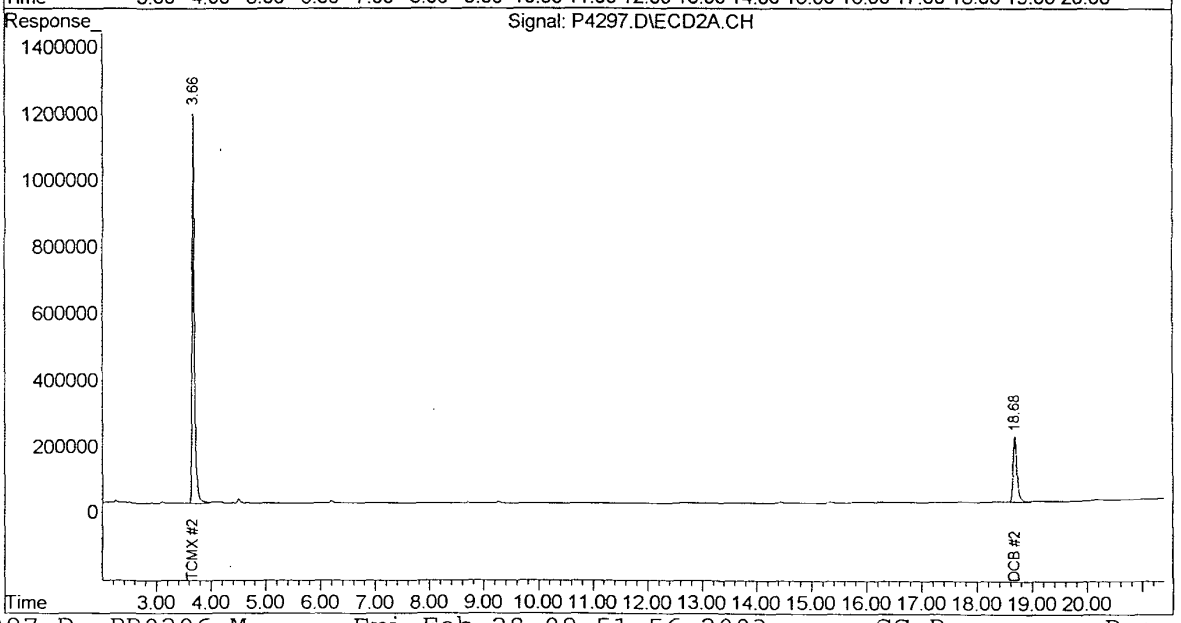
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4297.D\ECD1B.CH Vial: 21
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4297.D\ECD2A.CH
Acq On : 27 Feb 2003 22:18 Operator: L,YURU
Sample : (01398),0226-BK1,S,5.0g,0.0,02/26/03,4 Inst : GC_P
Misc : NA,NA,NA,1 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 28 9:47 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\02-27-03\P4278.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4278.D\ECD2A.CH
Acq On : 27 Feb 2003 14:10 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 27 14:31:42 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	3.66	29204407	18277274	46.090	46.710
Spiked Amount		100.000			Recovery	=	46.09%	46.71%
2)	S	DCB	18.84	18.68	8939368	6249569	40.994	45.289
Spiked Amount		100.000			Recovery	=	40.99%	45.29%
		Target Compounds						
3)	T	alpha-BHC	4.58	5.59	49628690	31501089	101.743	101.265
4)	T	beta-BHC	5.09	8.69	15554143	10608040	85.941m	85.566m
5)	T	gamma-BHC	5.22	6.56	45609100	28586227	101.875	101.028
6)	T	delta-BHC	5.71	9.26	42706779	26848410	102.094	99.156
7)	T	Heptachlor	6.83	7.02	42964114	26749039	113.733	108.724
8)	T	Aldrin	7.66	7.69	43957941	28803353	105.971	105.127
9)	T	Heptachlor epoxi	8.68	9.56	39743536	26098478	107.244	105.645
10)	T	Endosulfan I	9.60	10.24	37216578	24784102	109.478	107.098
11)	T	4,4'-DDE	10.38	11.03	40393466	23631856	113.208	107.433
12)	T	Dieldrin	10.30	11.29	39483199	27200966	109.051	106.650
13)	T	Endrin	10.86	11.81	36567852	23166047	112.566m	113.339
14)	T	Endosulfan II	11.11	13.27	35057300	45936531	111.271	110.337
15)	T	4,4'-DDD	11.50	13.27	30864052	45936531	114.931	110.337
16)	T	Endrin aldehyde	11.64	14.43	23906903	13986812	96.365	85.288m
17)	T	Endosulfan sulfa	12.30	15.33	30618412	21270756	112.485	106.629
18)	T	4,4'-DDT	12.53	13.72	27583172	15165117	110.955m	112.179
19)	T	Endrin ketone	13.51	16.36	36349241	26163014	107.713m	112.826
20)	T	Methoxychlor	14.21	15.60	13824563	7526443	113.447m	98.127m
21)	T	alpha-Chlordane	9.71	10.64	42051195	26951717	110.302	108.170
22)	T	gamma-Chlordane	9.30	10.49	42253697	27133806	108.845	107.593
		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

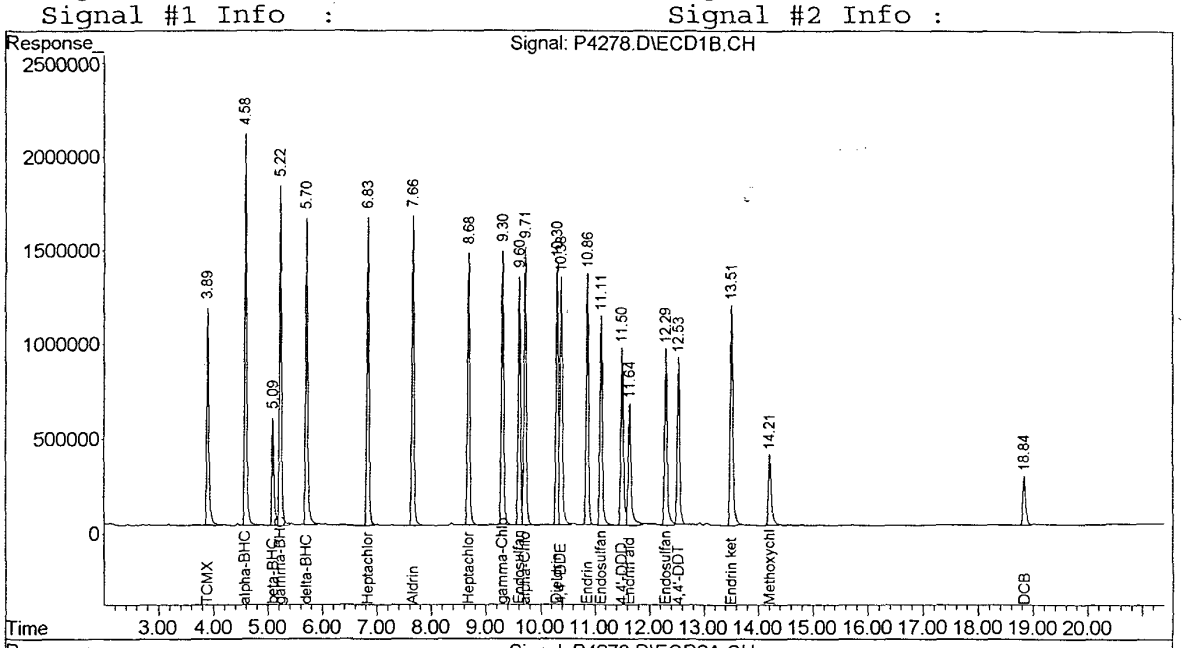
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

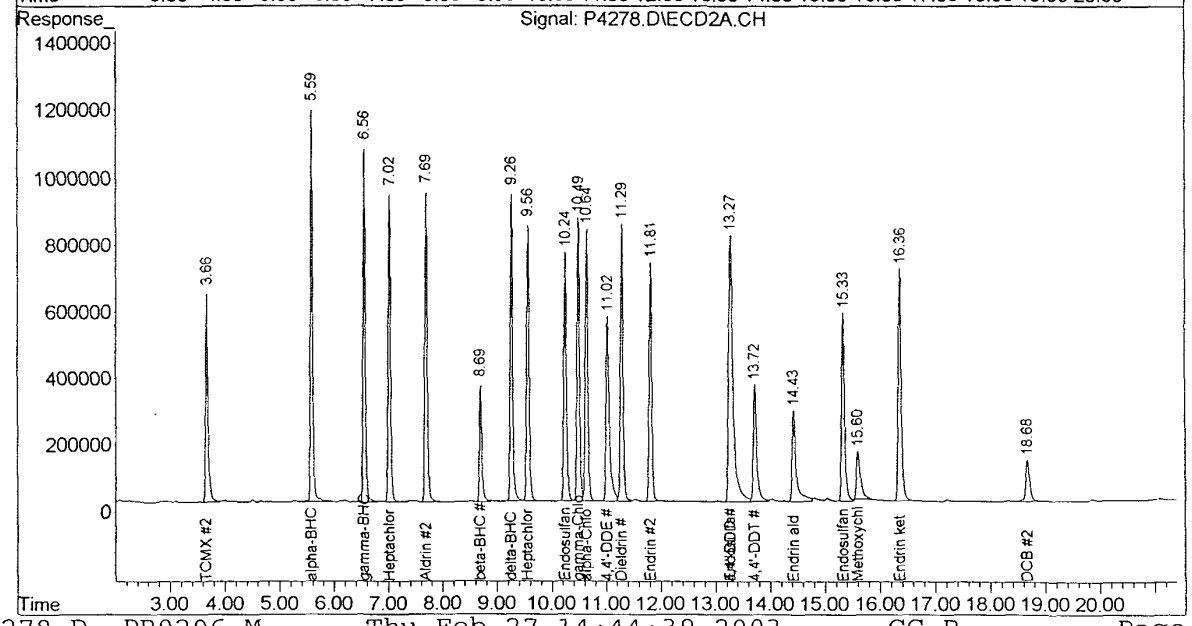
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4278.D\ECD1B.CH Vial: 2
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4278.D\ECD2A.CH
Acq On : 27 Feb 2003 14:10 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 27 14:44 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 :





0544

303382

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4275.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4275.D\ECD2A.CH
Acq On : 27 Feb 2003 12:57 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 27 13:19:00 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	50150490	31896592	79.148	81.515
Spiked Amount 100.000			Recovery =		79.15%	81.52%
2) S DCB	18.84	18.68	15480323	9824019	70.989	71.192
Spiked Amount 100.000			Recovery =		70.99%	71.19%
Target Compounds						
23) L1 Chlordane	9.50	8.26	3884352	2816235	453.333	481.056
24) L1 Chlordane {2}	9.71	8.40	18419369	2269142	458.415	481.555
25) L1 Chlordane {3}	9.85	10.49	10801508	12565049	463.395	472.299
26) L1 Chlordane {4}	11.53	10.64	3684375	10665169	455.077	467.869
27) L1 Chlordane {5}	11.71	10.69	4864688	7713486	457.970	482.633
Sum Chlordane			41654292	36029080	2288.190	2385.412
Average Chlordane					457.638	477.082
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

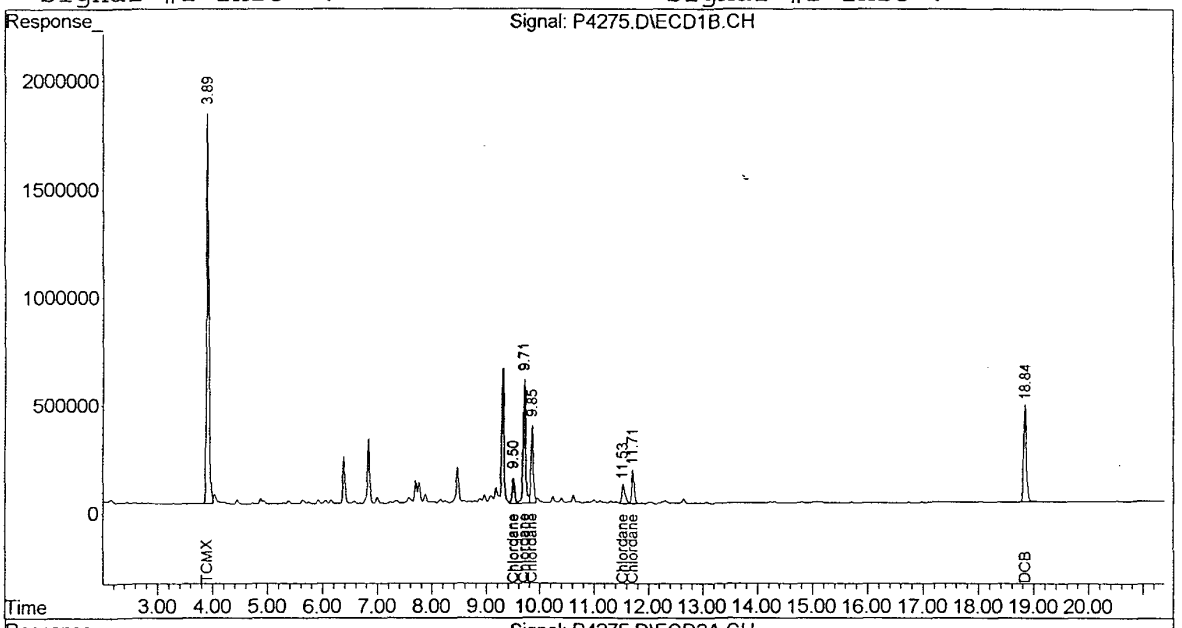
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

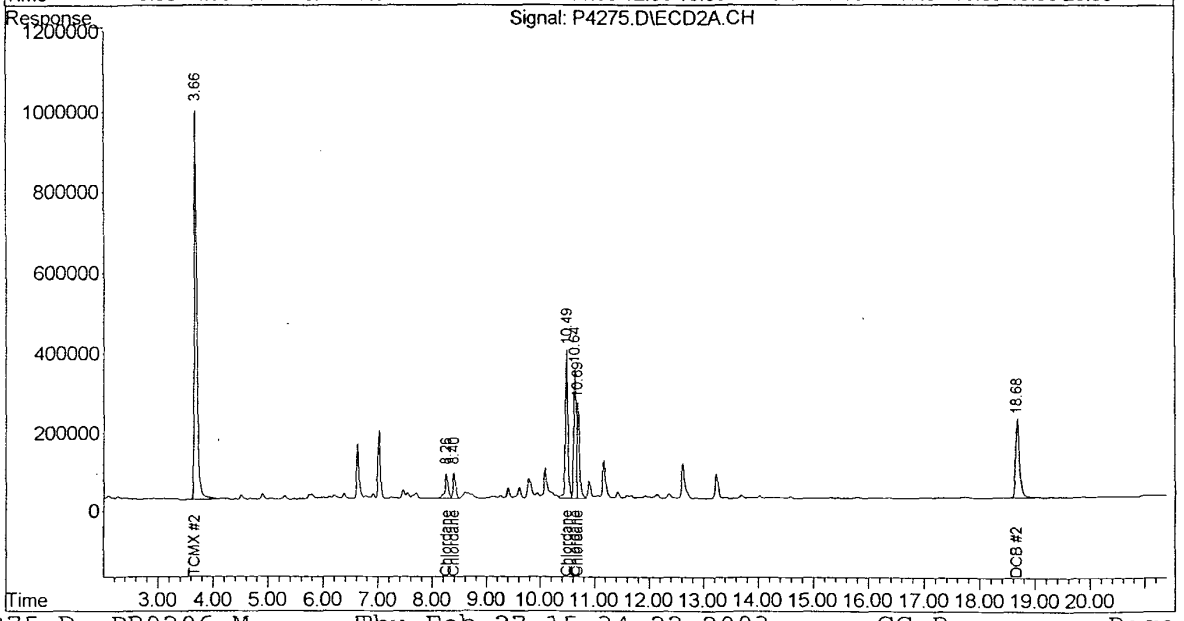
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4275.D\ECD1B.CH Vial: 3
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4275.D\ECD2A.CH
Acq On : 27 Feb 2003 12:57 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 27 15:34 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 : Multiple Level Calibration
DataAcq Meth : PR0206.M

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





0546

303384

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4276.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4276.D\ECD2A.CH
Acq On : 27 Feb 2003 13:21 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 27 13:43:19 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	28953114	18498451	45.694	47.275
Spiked Amount 100.000			Recovery =		45.69%	47.27%
2) S DCB	18.84	18.68	9816301	6536860	45.015	47.371
Spiked Amount 100.000			Recovery =		45.02%	47.37%
Target Compounds						
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000
28) L2 Toxaphene	12.91	12.44	3617024	2430167	516.619	552.087m
29) L2 Toxaphene {2}	13.66	12.56	3037190	2642292	504.704	570.100
30) L2 Toxaphene {3}	13.73	14.05	3219011	3656428	479.138	537.604
31) L2 Toxaphene {4}	14.70	15.69	5774821	3131039	535.123	533.735
32) L2 Toxaphene {5}	15.22	16.07	3435654	1310203	456.915	435.194
Sum Toxaphene			19083700	13170129	2492.499	2628.720
Average Toxaphene					498.500	525.744

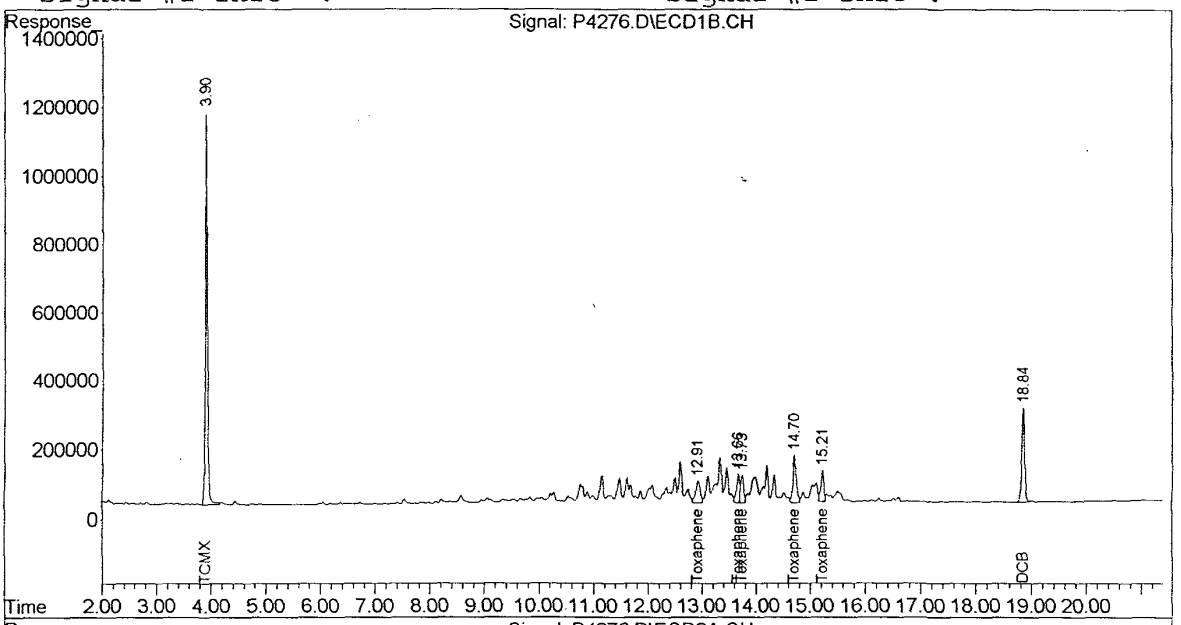
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

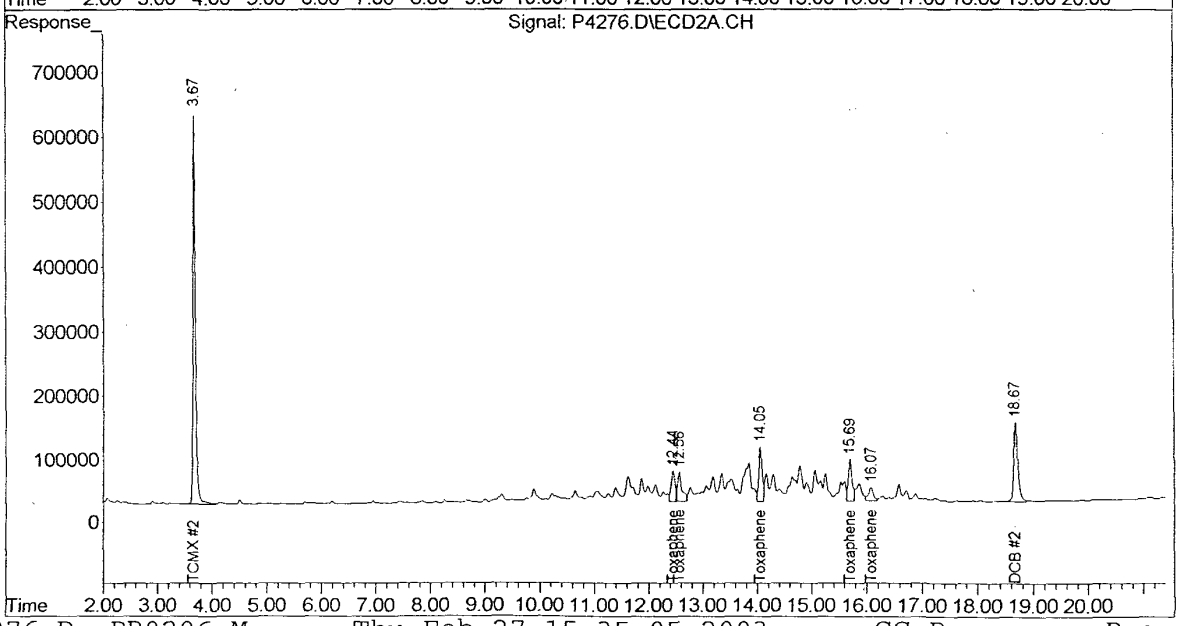
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4276.D\ECD1B.CH Vial: 4
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4276.D\ECD2A.CH
Acq On : 27 Feb 2003 13:21 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 27 15:34 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 : Multiple Level Calibration
DataAcq Meth : PR0206.M

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





0548

303386

Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4300.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4300.D\ECD2A.CH
Acq On : 27 Feb 2003 23:30 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 27 23:52:26 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 : 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	37029742	23236054	58.440	59.382
Spiked Amount	100.000			Recovery	=	58.44%	59.38%
2) S	DCB	18.84	18.68	10780999	7271141	49.439	52.692
Spiked Amount	100.000			Recovery	=	49.44%	52.69%
	Target Compounds						
3) T	alpha-BHC	4.59	5.59	55618888	34632645	114.024	111.332
4) T	beta-BHC	5.09	8.69	17653538	11667878	97.541	94.115
5) T	gamma-BHC	5.23	6.56	49315151	30794252	110.153	108.831
6) T	delta-BHC	5.71	9.26	47622071	30169709	113.845	111.422
7) T	Heptachlor	6.83	7.02	42351937	25631185	112.113	104.180
8) T	Aldrin	7.66	7.70	46784284	31149194	112.785m	113.689
9) T	Heptachlor epoxi	8.68	9.56	42570845	28021118	114.873m	113.428
10) T	Endosulfan I	9.61	10.24	38944908	26428953	114.563m	114.206
11) T	4,4'-DDE	10.38	11.03	40237611	25137807	112.771m	114.280m
12) T	Dieldrin	10.30	11.29	40935366	28823304	113.061m	113.011
13) T	Endrin	10.86	11.81	37028618	23351978	113.985m	114.249m
14) T	Endosulfan II	11.11	13.27	36111866	47161091	114.619m	113.278m
15) T	4,4'-DDD	11.50	13.27	30474496	47420159	113.481m	113.901m
16) T	Endrin aldehyde	11.64	14.43	25885932	14588445	104.342	88.956
17) T	Endosulfan sulfa	12.30	15.34	31268927	22623870	114.875m	113.412m
18) T	4,4'-DDT	12.53	13.72	15285376	8819861	61.486m	65.242m
19) T	Endrin ketone	13.51	16.36	37340787	24834114	110.651	107.096
20) T	Methoxychlor	14.21	15.60	10368272	6527643	85.084m	85.105m
21) T	alpha-Chlordane	9.71	10.64	43698242	28097450	114.622m	112.768m
22) T	gamma-Chlordane	9.30	10.49	44485264	28742543	114.594m	113.972m
	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

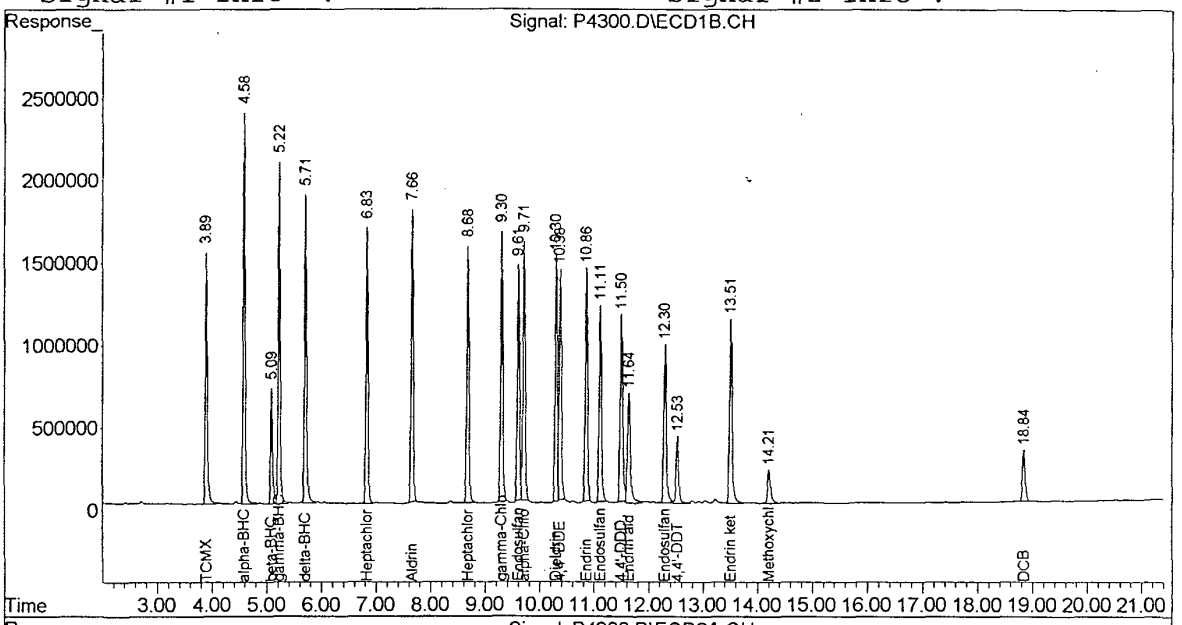
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

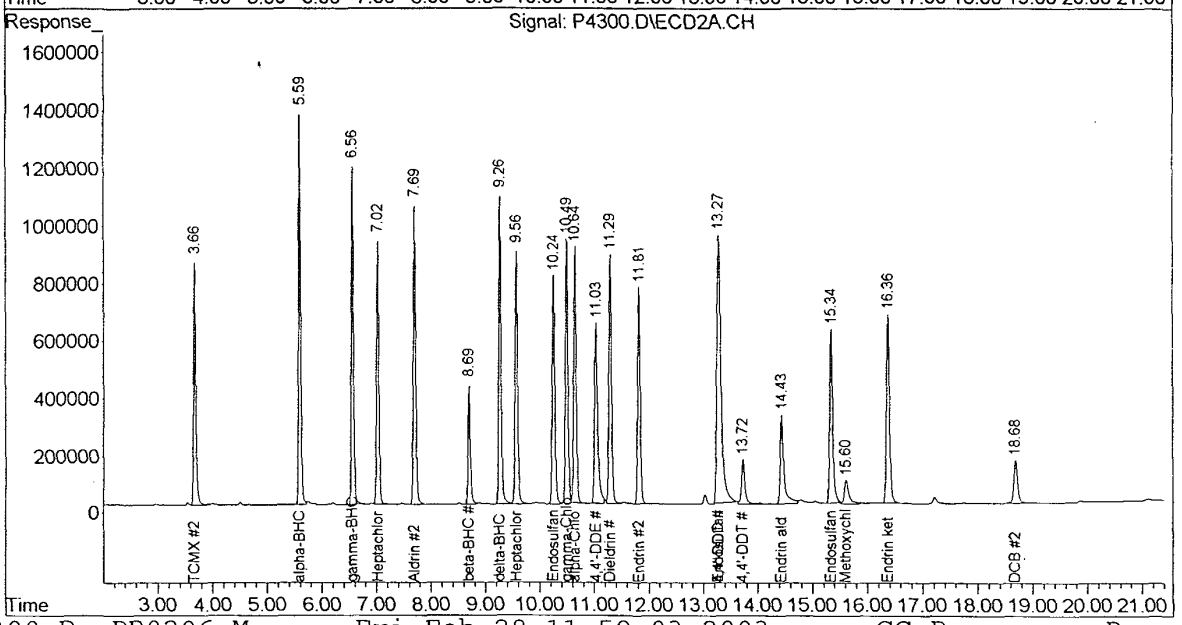
Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\02-27-03\P4300.D\ECD1B.CH Vial: 23
Signal #2 : C:\MSDCHEM\1\DATA\02-27-03\P4300.D\ECD2A.CH
Acq On : 27 Feb 2003 23:30 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 28 11:58 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 :





0550

303388

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

BLANK RESULTS SUMMARY

Lab Case Number: E02- 1398

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:

1398-01

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

BLANK RESULTS SUMMARY

Lab Case Number: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

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:

1348-01~010; 1353-01~04; 1360-01,02; 1377-01,02;
1386-01; 1396-02~06; 1398-03~012; 1421-01~04

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Lab Case Number: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

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	420	105	400	422	106	429	107	10.0	
Antimony	120	110	91.7	120	114	95.0	120	100	1.00	
Arsenic	20.0	19.0	95.0	20.0	18.9	94.5	19.2	96.0	1.00	
Barium	400	369	92.3	400	368	92.0	405	101	10.0	
Beryllium	10.0	9.71	97.1	10.0	9.10	91.0	10.1	101	0.500	
Cadmium	10.0	9.25	92.5	10.0	9.26	92.6	10.3	103	0.250	
Calcium	10000	9370	93.7	10000	9300	93.0	10700	107	50.0	
Chromium	20.0	19.6	98.0	20.0	19.6	98.0	21.1	106	2.00	
Cobalt	100	95.0	95.0	100	94.5	94.5	108	108	2.00	
Copper	50.0	46.2	92.4	50.0	45.8	91.6	51.9	104	2.00	
Iron	200	199	99.5	200	209	105	206	103	25.0	
Lead	10.0	9.62	96.2	10.0	9.56	95.6	10.4	104	0.500	
Magnesium	10000	9250	92.5	10000	9250	92.5	10700	107	50.0	
Manganese	30.0	29.4	98.0	30.0	29.3	97.7	31.7	106	5.00	
Mercury	5.00	4.89	97.8	5.00	4.87	97.4	5.03	101	0.250	
Nickel	80.0	72.2	90.3	80.0	75.7	94.6	81.6	102	1.00	
Potassium	10000	9090	90.9	10000	9040	90.4	10800	108	50.0	
Selenium	10.0	9.74	97.4	10.0	9.61	96.1	10.4	104	2.00	
Silver	20.0	18.8	94.0	20.0	18.3	91.5	20.0	100	0.500	
Sodium	10000	9430	94.3	10000	9450	94.5	10600	106	100	
Thallium	20.0	19.1	95.5	20.0	19.2	96.0	21.1	106	0.100	
Vanadium	100	101	101	100	101	101	102	102	2.00	
Zinc	40.0	38.1	95.3	40.0	37.8	94.5	42.2	106	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: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

Matrix: Aqueous Concentration/Units: ppb(ug/L)

ANALYTE / MASS	INITIAL			FINAL		
	SOL A	SOL AB	%R	SOL A	SOL AB	%R
Arsenic / 75	0.46	8.16	77.0	0.18	8.90	87.2
Cobalt / 59	0.58	10.3	97.2	0.54	11.9	113.6
Copper / 65	3.21	11.5	82.9	3.61	13.1	94.9
Manganese / 55	2.43	12.4	99.7	2.62	14.2	115.8
Nickel / 60	1.41	9.71	83.0	1.72	11.3	95.8
Zinc / 66	9.78	16.9	71.2	11.00	19.5	85.0

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- 1398

Matrix: Aqueous Concentration/Units: ppb (μg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Aluminum	19700	ND	98.5	20000					70-130
Antimony	3920	ND	98.0	4000					70-130
Arsenic	3640	ND	91.0	4000					70-130
Barium	3640	ND	91.0	4000					70-130
Beryllium	3600	ND	90.0	4000					70-130
Cadmium	3650	ND	91.3	4000					70-130
Calcium	18900	ND	94.5	20000					70-130
Chromium	3870	ND	96.8	4000					70-130
Cobalt	3790	ND	94.8	4000					70-130
Copper	3670	ND	91.8	4000					70-130
Iron	21600	ND	108	20000					70-130
Lead	3640	ND	91.0	4000					70-130
Magnesium	20600	ND	103	20000					70-130
Manganese	3870	ND	96.8	4000					70-130
Mercury	9.60	ND	96.0	10.0					70-130
Nickel	3610	ND	90.3	4000					70-130
Potassium	19100	ND	95.5	20000					70-130
Selenium	3610	ND	90.3	4000					70-130
Silver	3730	ND	93.3	4000					70-130
Sodium	19900	ND	99.5	20000					70-130
Thallium	3490	ND	87.3	4000					70-130
Vanadium	3860	ND	96.5	4000					70-130
Zinc	3660	ND	91.5	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 01398-001

QC Sample 1 for following samples:
1398-01

QC Sample 2 _____

QC Sample 2 for following samples:

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Lab Case Number: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Aluminum	6110	5940	70.2	242					70-130
Antimony	45.0	ND	93.0	48.4					70-130
Arsenic	323	281	86.8	48.4	48.6	2.90	102	44.8	70-130
Barium	69.1	25.9	89.3	48.4					70-130
Beryllium	42.5	ND	87.8	48.4					70-130
Cadmium	43.4	ND	89.7	48.4					70-130
Calcium	714	501	88.0	242					70-130
Chromium	59.1	13.7	93.8	48.4					70-130
Cobalt	46.1	2.48	90.1	48.4					70-130
Copper	176	134	86.8	48.4					70-130
Iron	11000	10800	82.6	242					70-130
Lead	51.3	9.89	85.6	48.4	235	177	129	44.8	70-130
Magnesium	2300	2160	NC	242					70-130
Manganese	121	74.9	95.2	48.4					70-130
Mercury	0.294	ND	97.0	0.303					75-125
Nickel	49.6	8.03	85.9	48.4					70-130
Potassium	1060	831	94.6	242					70-130
Selenium	42.8	ND	88.4	48.4					70-130
Silver	44.6	ND	92.1	48.4					70-130
Sodium	314	127	77.3	242					70-130
Thallium	45.3	4.87	83.5	48.4					70-130
Vanadium	57.1	11.5	94.2	48.4					70-130
Zinc	67.6	25.9	86.2	48.4					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 01398-005

QC Sample 1 for following samples:
1348-01-010; 1353-01-04; 1360-01,02; 1377-01,02;
1386-01; 1396-02-06; 1398-03-012; 1421-01-04

QC Sample 2 01353-002

QC Sample 2 for following samples:
1348-01-010; 1353-01-04; 1360-01,02; 1377-01,02;
1386-01; 1396-02-06; 1398-03-012; 1421-01-04

0556

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

DUPLICATE SAMPLE RECOVERY

Lab Case Number: E02- 1398

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 01398-001

QC Sample 2 _____

QC Sample 1 for following samples:
1398-01

QC Sample 2 for following samples:

0557

303395

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

DUPLICATE SAMPLE RECOVERY

Lab Case Number: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Aluminum	20	5940	5930	0.168				
Antimony	NA	ND	ND	NC				
Arsenic	20	281	279	0.714	20	2.90	3.18	9.21
Barium	20	25.9	26.0	0.385				
Beryllium	NA	ND	ND	NC				
Cadmium	NA	ND	ND	NC				
Calcium	20	501	503	0.398				
Chromium	20	13.7	13.9	1.45				
Cobalt	20	2.48	2.40	3.28				
Copper	20	134	134	0				
Iron	20	10800	10800	0				
Lead	20	9.89	9.96	0.705	20	177	185	4.42
Magnesium	20	2160	2110	2.34				
Manganese	20	74.9	75.1	0.267				
Mercury	NA	ND	ND	NC				
Nickel	20	8.03	8.13	1.24				
Potassium	20	831	853	2.61				
Selenium	NA	ND	ND	NC				
Silver	NA	ND	ND	NC				
Sodium	20	127	134	5.36				
Thallium	20	4.87	4.88	0.205				
Vanadium	20	11.5	11.6	0.866				
Zinc	20	25.9	25.8	0.387				

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 01398-005

QC Sample 1 for following samples:
1348-01-010; 1353-01-04; 1360-01,02; 1377-01,02;
1386-01; 1396-02-06; 1398-03-012; 1421-01-04

QC Sample 2 01353-002

QC Sample 2 for following samples:
1348-01-010; 1353-01-04; 1360-01,02; 1377-01,02;
1386-01; 1396-02-06; 1398-03-012; 1421-01-04

INTEGRATED ANALYTICAL LABORATORIES

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Lab Case Number: E02- 1398

ANALYTE	AQUEOUS (ug/L)			SOLID (mg/kg)			
	TRUE	FOUND	%R(1)	TRUE	FOUND	LIMITS	%R(2)
Aluminum	20000	20100	101				
Antimony	4000	3940	98.5				
Arsenic	4000	3630	90.8				
Barium	4000	3620	90.5				
Beryllium	4000	3570	89.3				
Cadmium	4000	3640	91.0				
Calcium	20000	19300	96.5				
Chromium	4000	3860	96.5				
Cobalt	4000	3790	94.8				
Copper	4000	3750	93.8				
Iron	20000	22100	111				
Lead	4000	3590	89.8				
Magnesium	20000	21100	106				
Manganese	4000	3880	97.0				
Mercury	10.0	9.95	99.5				
Nickel	4000	3800	95.0				
Potassium	20000	19200	96.0				
Selenium	4000	3570	89.3				
Silver	4000	3720	93.0				
Sodium	20000	20400	102				
Thallium	4000	3410	85.3				
Vanadium	4000	3890	97.3				
Zinc	4000	3660	91.5				

(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: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

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: E03- 1348, 1353, 1360, 1377, 1386, 1396, 1398, 1421

Matrix: Soil Concentration/Units: ppm (mg/kg)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Aluminum	5940	5860	1.36			
Antimony	ND			37.5	48.4	77.5
Arsenic	281	291	3.50			
Barium	25.9	25.2	2.74			
Beryllium	ND			44.9	48.4	92.8
Cadmium	ND			44.0	48.4	90.9
Calcium	501	482	3.87			
Chromium	13.7	13.5	1.47			
Cobalt	2.48	2.30	7.53			
Copper	134	136	1.48			
Iron	10800	11400	5.41			
Lead	9.89	10.2	3.09			
Magnesium	2160	2310	6.71			
Manganese	74.9	74.7	0.267			
Mercury	ND			0.305	0.303	101
Nickel	8.03	8.03	0			
Potassium	831	830	0.120			
Selenium	ND			43.8	48.4	90.5
Silver	ND			44.9	48.4	92.8
Sodium	127			941	968	84.1
Thallium	4.87	5.07	4.02			
Vanadium	11.5	11.3	1.75			
Zinc	25.9	26.8	3.42			

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 : 01398-005

QC Sample for following samples:
1348-01~010; 1353-01~04; 1360-01,02; 1377-01,02;
1386-01; 1396-02~06; 1398-03~012; 1421-01~04

Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869
3/3/03

Certified for NJDEP, NY(DOH)
NJ ID#14751
NY ID#11402

General Chemistry Quality Control

Matrix: Soil
Units: S-mg/Kg

Batch ID: AP013-0018

Blank

Parameter	Method Blank	MDL	Analysis Date
Total Cyanide	ND	1.00	02/28/03

Duplicate Recovery

Parameter	QC Sample	Result	Duplicate Result	RPD	RPD Limits
Total Cyanide	01421-001S	12.6	12.6	0	20

Spike Recovery

Parameter	QC Sample	Result	Spike Added	Spike Result	%Spike Recovery	%Rec. Limits
Total Cyanide	01421-001	ND	14.1	12.6	89.4	75 - 125

The above blank result applies to the follow samples:

E03-01421-001
E03-01421-001D
E03-01421-001S
E03-01421-001SD
E03-01421-002
E03-01421-003
E03-01421-004
E03-01396-002
E03-01396-003
E03-01396-004
E03-01396-005
E03-01396-006
E03-01398-001
E03-01398-003
E03-01398-004
E03-01398-005
E03-01398-006
E03-01398-007
E03-01398-008
E03-01398-009
E03-01398-010
E03-01398-012

++ = 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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Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Name: EdgeWATER - EWMA
Address: 100 Misty LANE
P.O. Box 5430
PARSIPPANY, NJ
Telephone #: 973 560-1400
Fax #: 973 560-0400
Project Name: Former Calotex
Project Manager: Paul SCHATZ
Reference ID#: 202487 #: L6220

REPORTING & BILLING

Fax to: Paul Schatz
Fax #:
EMail to:
Report to: SAME
Address:
Invoice to:
Address:

Turnaround Time

Conditional / TPHC: 24 hr* 48 hr 72 hr 1-wk NA Other:
Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk Other:
Hard Copy: 72 hr* 1 wk* 2 wk* 3 wk Other:
*Prior to sample arrival, Lab notification is required.

Report Format

Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1

Special Requirements:

ANALYTICAL PARAMETERS / PRESERVATIVES **Circle format required

Preservatives: 1. HCL 2. NaOH 3. HNO_3 4. H_2SO_4 5. MeOH 6. Other

COOLER TEMP. 4 °C

SAMPLE INFORMATION

SAMPLE MATRIX: W - Waste, SL - Sludge, A - Aqueous, O - Oil, X - Other, S - Soil, GW - Groundwater, SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Time	am	pm	Matrix	# of Containers	Lab ID	TCL VOCs	TCL+30	TAL	CYANIDE							Comments/Area of Concern
Field Blank		2/24/03	1230		X	A	9	1	X	X	X	X							
TRIP BLANK			—				1	2	X										
SB-X13-0	0-0.5		10:00	X		S	2	3	X	X	X	X							11.9g
SB-X13-8	8-8.5		10:15	X		S	2	4	X	X	X	X							11.9g *
SB-X13-23.5	23.5-24		10:40	X		S	2	5	X	X	X	X							11.3g
SB-T15-0	0-0.5		11:40	X		S	2	6	X	X	X	X							9.4g
SB-T15-8	8-8.5		11:50	X		S	2	7	X	X	X	X							10.8g
SB-T28-0	0-0.5		13:00		X	S	2	8	X	X	X	X							10.9g
SB-T28-8	8-11		1325		X	S	2	9	X	X	X	X							11.1g *
SB-T28-15.5	15.5-16		1340		X	S	2	10	X	X	X	X							11.8g

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:	Joseph Kowalski	2-25-03	3:00	Received by:	
Relinquished by:		2-25-03	6:00	Received by:	CFAY
Relinquished by:				Received by:	
Relinquished by:				Received by:	
Relinquished by:				Received by:	

Comments: * Expedite
* Hold; notify P. Schatz after Expedite results in for analysis.

Lab Case # 1398

PAGE: 1 OF 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 12/01

303401

Phone # (973) 361-4252
Fax # (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES
CHAIN OF CUSTODY

273 Franklin Rd
Randolph, NJ 07869

CLIENT & PROJECT

Name: EWMA-Edgewater
Address: 100 Misty Lane
P.O. Box 5430
Parsippany, NJ
Telephone #: 973 560-1400
Fax #: 973 560-0400
Project Name: Former Celotex
Project Manager: Paul Schatz
Reference ID#: 202887 PO#: L6220

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:
Verbal/Fax: 24 hr* 48 hr* 72 hr* 1 wk* 2 wk Other:
Hard Copy: 72 hr* 1 wk* 2 wk* 3 wk Other:
*Prior to sample arrival, Lab notification is required.

Report Format

Results Only
Reduced
Regulatory
SRP Disk**: dbf or wk1

Special Requirements:

ANALYTICAL PARAMETERS / PRESERVATIVES

**Circle format required

Preservatives: 1. HCL 2. NaOH 3. HNO_3 4. H_2SO_4 5. MeOH 6. Other

COOLER TEMP. °C: 4

SAMPLE INFORMATION

SAMPLE MATRIX: W - Waste, SL - Sludge, A - Aqueous, O - Oil, X - Other, S - Soil, GW - Groundwater, SOL - Solid

Sample ID	Sample Depth (in Feet)	Sampling Date	Time	am	pm	Matrix	# of Containers	Lab ID	TCL VOTs	TCLTs	TAL	CYANIDE	Comments/Area of Concern
SB-T28-28	28-28.5	2/24/03	14:00		X	S	2	11	X	X	X	X	10.4g *
SB-T28-37.5	37.5-38	2/24/03	15:20		X	S	2	12	X	X	X	X	9.9g

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: Joseph Kulak	2-25-03	3:00	Received by:
Relinquished by:	2-25-03	6:10	Received by: CIAU
Relinquished by:			Received by:
Relinquished by:			Received by:
Relinquished by:			Received by:

Comments: * Hold: notify P. Schatz after Expedited results in.

Lab Case # 1398

PAGE: 2 OF 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

REV 12/01

303402

Rev 01

PROJECT INFORMATION

** RUSH **

E03-01398

Case No. E03-01398 Project FORMER CELOTEX - 202887

Customer	EWMA - HQ	P.O. #	L6220
Contact	Paul Schatz	Received	2/25/2003 18:00
EMail	Paul.Schatz@ewma.com ☑ EMail EDDs	Verbal Due	3/5/2003
Phone	(973) 560-1400 Fax (973) 560-0400	Report Due	3/19/2003

Report To	Bill To
Lanidex Center	Lanidex Center
100 Misty Lane	100 Misty Lane
Parsippany, NJ 07054	Parsippany, NJ 07054
Attn: Paul Schatz	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
01398-001	FIELD BLANK	n/a	2/24/2003@12:30	Aqueous	mg/L	9
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-002	TRIP BLANK	n/a	2/24/2003	Soil	mg/Kg	1
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-003	SB-X13-0	0 / 0.5	2/24/2003@10:00	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-004	SB-X13-8	8 / 8.5	2/24/2003@10:15	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-005	SB-X13-23.5	23.5 / 24	2/24/2003@10:40	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-006	SB-T15-0	0 / 0.5	2/24/2003@11:40	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-007	SB-T15-8	8 / 8.5	2/24/2003@11:50	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-008	SB-T28-0	0 / 0.5	2/24/2003@13:03	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-009	SB-T28-8	8 / 11	2/24/2003@13:25	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-010	SB-T28-15.5	15.5 / 16	2/24/2003@13:40	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-011	SB-T28-28	28 / 28.5	2/24/2003@14:00	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					
01398-012	SB-T28-37.5	37.5 / 38	2/24/2003@15:20	Soil	mg/Kg	2
	Notes: SAMPLES #4 & #9 ON RUSH TAT. ALL OTHERS DUE 3/10/03.					

Sample #	Tests	Status	QA Method
001	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
002	TCL VOA + 10	Complete	8260B
003	TCL VOA + 10	Complete	8260B

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PROJECT INFORMATION

** RUSH **

E03-01398

Case No. E03-01398 Project FORMER CELOTEX - 202887

Sample #	Tests	Status	QA Method
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
004	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
005	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
006	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
007	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
008	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
009	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
010	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014
011	TCL VOA + 10	Cancel	8260B
"	TCL BNA + 20	Cancel	8270C
"	PCB	Cancel	8082
"	TCL Pesticides	Cancel	8081A

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PROJECT INFORMATION

** RUSH **

E03-01398

Case No. E03-01398 Project FORMER CELOTEX - 202887

Sample #	Tests	Status	QA Method
"	TAL Metals	Cancel	6020/6010B/7471A
"	Cyanide, Total	Cancel	9014
012	TCL VOA + 10	Complete	8260B
"	TCL BNA + 20	Complete	8270C
"	PCB	Complete	8082
"	TCL Pesticides	Complete	8081A
"	TAL Metals	Complete	6020/6010B/7471A
"	Cyanide, Total	Complete	9014

02/26/2003 11:30 by Ellen - NOTE 1

SAMPLES #4 & #9 ON RUSH TAT, OTHER RESULTS DUE 3/10.

SAMPLE #11 ON HOLD PENDING RESULTS OF RUSH SAMPLES.

3/25/2003 11:45 by Denise - REV 1

PER AJAY K., CANCEL ALL ANALYSIS ON SAMPLE #11.

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March 25, 2003

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E03** **1398** CLIENT: RWMA

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 [illegible] DATE 2/25/03

CORRECTIVE ACTION REQUIRED: YES ☐ (SEE BELOW) **NO** ☐

CLIENT NOTIFIED: YES ☐ Date/ Time: NO ☐

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [illegible] DATE

REV 10/00

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LABORATORY CUSTODY CHRONICLE

Case No. E03-01398

Client EWMA - HQ

Project FORMER CELOTEX - 202887

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: Volatiles						
TCL VOA + 10	01398-001	Aqueous	n/a	n/a	2/28/03	Donnie
"	-002	Soil	n/a	n/a	2/28/03	Donnie
"	-003	Soil	n/a	n/a	2/28/03	Donnie
"	-004	Soil	n/a	n/a	2/27/03	Donnie
"	-005	Soil	n/a	n/a	2/28/03	Donnie
"	-006	Soil	n/a	n/a	2/28/03	Donnie
"	-007	Soil	n/a	n/a	2/28/03	Donnie
"	-008	Soil	n/a	n/a	2/28/03	Donnie
"	-009	Soil	n/a	n/a	2/28/03	Donnie
"	-010	Soil	n/a	n/a	2/27/03	Donnie
"	-012	Soil	n/a	n/a	2/28/03	Donnie
Department: Semivolatiles						
TCL BNA + 20	01398-001	Aqueous	2/26/03	Dan	2/26/03	JC
"	-003	Soil	2/26/03	Dan	2/26/03	JC
"	-004	Soil	2/26/03	Dan	2/26/03	JC
"	-005	Soil	2/26/03	Dan	2/26/03	JC
"	-006	Soil	2/26/03	Dan	2/26/03	JC
"	-007	Soil	2/26/03	Dan	2/26/03	JC
"	-008	Soil	2/26/03	Dan	2/26/03	JC
"	-009	Soil	2/26/03	Dan	2/26/03	JC
"	-010	Soil	2/26/03	Dan	2/26/03	JC
"	-012	Soil	2/26/03	Dan	2/26/03	JC
Department: GC						
PCB	01398-001	Aqueous		Eleanor	3/3/03	Margaret
"	-003	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-004	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-005	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-006	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-007	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-008	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-009	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-010	Soil	2/26/03	Eleanor	3/3/03	Margaret
"	-012	Soil	2/26/03	Eleanor	3/3/03	Margaret
TCL Pesticides	01398-001	Aqueous		Eleanor	2/27/03	Yuru
"	-003	Soil	2/26/03	Eleanor	2/26/03	Yuru

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LABORATORY CUSTODY CHRONICLE

Case No. E03-01398

Client EWMA - HQ

Project FORMER CELOTEX - 202887

			Preparation Date / Time	Analyst	Analysis Date / Time	Analyst
Department: GC						
"	-004	Soil	2/26/03	Eleanor	2/26/03	Yuru
"	-005	Soil		Eleanor	2/26/03	Yuru
"	-006	Soil		Eleanor	2/26/03	Yuru
"	-007	Soil		Eleanor	2/26/03	Yuru
"	-008	Soil		Eleanor	2/27/03	Yuru
"	-009	Soil		Eleanor	2/26/03	Yuru
"	-010	Soil		Eleanor	2/26/03	Yuru
"	-012	Soil		Eleanor	2/26/03	Yuru
Department: Metals						
TAL Metals	01398-001	Aqueous	2/26/03	Lisa n/a	2/27/03	Helge
"	-003	Soil	2/26/03	n/a	2/27/03	Helge
"	-004	Soil	2/26/03	n/a	2/27/03	Helge
"	-005	Soil	2/26/03	n/a	2/27/03	Helge
"	-006	Soil	2/26/03	n/a	2/27/03	Helge
"	-007	Soil	2/26/03	n/a	2/27/03	Helge
"	-008	Soil	2/26/03	n/a	2/27/03	Helge
"	-009	Soil	2/26/03	n/a	2/27/03	Helge
"	-010	Soil	2/26/03	n/a	2/27/03	Helge
"	-012	Soil	2/26/03	n/a	2/27/03	Helge
Department: Wet Chemistry						
Cyanide, Total	01398-001	Aqueous	n/a	n/a	3/3/03	Jackie
"	-003	Soil	n/a	n/a	3/3/03	Jackie
"	-004	Soil	n/a	n/a	3/3/03	Jackie
"	-005	Soil	n/a	n/a	3/3/03	Jackie
"	-006	Soil	n/a	n/a	3/3/03	Jackie
"	-007	Soil	n/a	n/a	3/3/03	Jackie
"	-008	Soil	n/a	n/a	3/3/03	Jackie
"	-009	Soil	n/a	n/a	3/3/03	Jackie
"	-010	Soil	n/a	n/a	3/3/03	Jackie
"	-012	Soil	n/a	n/a	3/3/03	Jackie

Review and Approval: [signature]

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