Method 508 MOD. Date Extracted 3-27-02 Page 31

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	Ref Spk add	IS add	Final vol.	T.V. pos.	pH	Count		
L.B.		500 mL		1mL			1mL	7A	7			
Ref 1		↓		↓	1mL		↓	10B	↓			
Ref 2		↓		↓	1mL		↓	2A	↓			
3826	Re-EXT.	475mL		↓	↓		↓	7B	↓			
7110		500mL		↓	↓		↓	4A	↓			
7111		↓		↓	↓		↓	1A	↓			
7112	F.B.	↓		↓	↓		↓	8B	↓			
7113		↓		↓	↓		↓	2B	↓			
7114		↓		↓	↓		↓	9B	↓			
7115		↓		↓	↓		↓	4B	↓			
7116	F.B.	↓		↓	↓		↓	10A	↓			
7171		↓		↓	↓		↓	9A	↓			
7172		↓		↓	↓		↓	8A	↓			

Remarks	
3826	RE-EXTRACT (475 mL)

Reviewed by, 3/14/02

drip rate must be between 5-15 ml/min for liq-liq extractors — drip rate -

Extraction type - SEP FUN. Solv.lot# XD1E19 NaCl lot# V39618 Na2SO4 lot# V46623

STANDARD	INT STD LOG#
CALIBRATION	
REF/SPIKE	2193
MDL/MDRF	
Q. CHECK	
INT. STD.	2286 L
SURROGATE	
LPC	
ENDRIN/DDT	

Analyst A.D.
Revision 4/12/01

Verified by_____

Reviewed by DW
Date 4/16/02

5085CAN

Method ~~625.2~~ _____ File Directory 04|002 Storage Directory _____

Instrument 213

Lab #	Filename	Description	Vial # front	Vial # rear	Inj. ul	Standards used - Lot # Calibration	Reference	Surrogate	Int. Std.	Remarks	Initials
	MCA0410	MC	1		1						TB
	MCIS410	MC	2							with IS	
	DFTA0410	DFTPP	3			2110 b					
	C5A0410	C5	4			2121d/2286d					
	C10A0410	C10	5							Note: the C40	
	C25A0410	25	6							std is 100;	
	C40A0410	40	7							the C100 std is 40	
	C80A0410	80	8							TB	
	C100A410	100	9								
	SURA0410	Surr	10			2249				DDD	
	TCMXA410	1	11			2284f				TCMX	
	DFTB0410	DFTPP	3			2110 b					
	C25B0410	C25	6			2121d/2286d					
	C25C0411	1	6								
	SURB0410	Surr	10			2249				DDD	
	TCMXB410	1	11			2284f				TCMX	
	LBA0410	LB	12								
	REFA0410	Ref1	13								
	REFB0411	Ref2	14								
	MCBB410	MC	15								
	3826RE	Sampl	16							re-extracted	
	7110		17								
	7111		18								
	7112		19								
	7113		20								
	7114		21								
	7115		22								
	7116		23								
	7171		24								
	7172		25								

Date 4/10/02 Extraction date 3/27/02 Page _____

Sequence Name: C:\MSDCHEM\1\SEQUENCE\0041002.S
Comment:
Operator: Bohlk
Data Path: C:\MSDCHEM\1\DATA\041002\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	MCA0410	508SCAN	MC
2	Sample	2	MCIS410	508SCAN	MC/IS
3	Sample	3	DFTA0410	508SCAN	DFTPP
4	Sample	4	C5A0410	508SCAN	C5
5	Sample	5	C10A0410	508SCAN	C10
6	Sample	6	C25A0410	508SCAN	C25
7	Sample	7	C40AA410	508SCAN	C40
8	Sample	8	C80A0410	508SCAN	C80
9	Sample	9	C100A410	508SCAN	C100
10	Sample	10	SURA0410	508SCAN	SURROGATE/DDD
11	Sample	11	TCMXA410	508SCAN	SURROGATE/TCMX
12	Sample	3	DFTB0410	508SCAN	DFTPP
13	Sample	6	C25B0410	508SCAN	C25
14	Sample	6	C25C0411	508SCAN	C25
15	Sample	10	SURB0410	508SCAN	SURROGATE/DDD
16	Sample	11	TCMXB410	508SCAN	SURROGATE/TCMX
17	Sample	12	LBA0410	508SCAN	LB 3/27/02
18	Sample	13	REFA0410	508SCAN	REF1 3/27/02
19	Sample	14	REFB0411	508SCAN	REF2 3/27/02
20	Sample	15	MCBB410	508SCAN	MC
21	Sample	16	3826RE	508SCAN	SAMPLE 3826 3/27/02 RE-EXT
22	Sample	17	7110	508SCAN	SAMPLE 7110 3/27/02
23	Sample	18	7111	508SCAN	SAMPLE 7111 3/27/02
24	Sample	19	7112	508SCAN	SAMPLE 7112 3/27/02
25	Sample	20	7113	508SCAN	SAMPLE 7113 3/27/02
26	Sample	21	7114	508SCAN	SAMPLE 7114 3/27/02
27	Sample	22	7115	508SCAN	SAMPLE 7115 3/27/02
28	Sample	23	7116	508SCAN	SAMPLE 7116 3/27/02
29	Sample	24	7171	508SCAN	SAMPLE 7171 3/27/02
30	Sample	25	7172	508SCAN	SAMPLE 7172 3/27/02

DFTPP

Data File : C:\MSDCHEM\1\DATA\041002\DFTA0410.D Vial: 3
Acq On : 10 Apr 2002 11:28 am Operator: Bohlk
Sample : DFTPP Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P

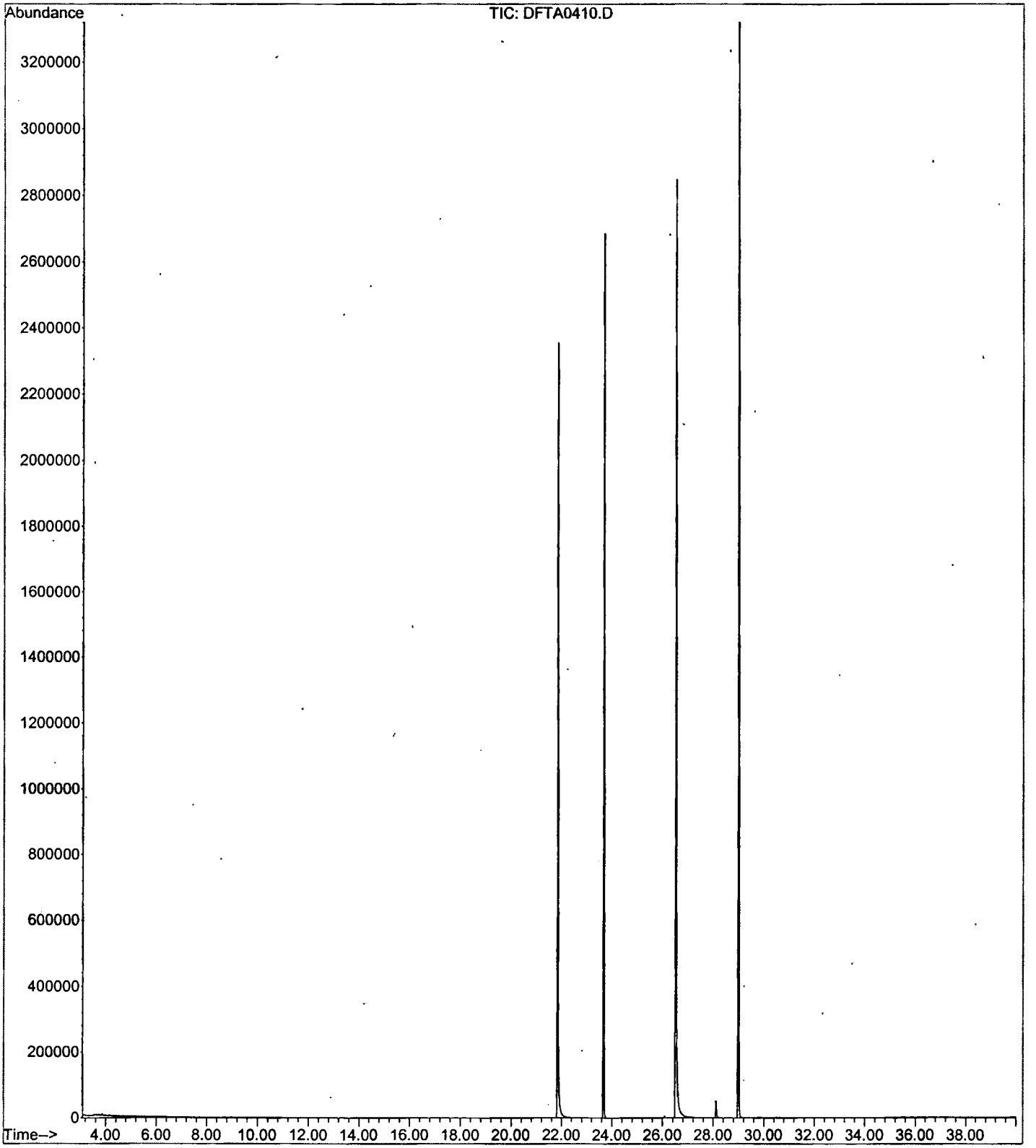
Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan

Spectrum Information: Scan 3506

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.3	145024	PASS
68	69	0.00	2	1.8	2764	PASS
69	198	0.00	100	46.9	153728	PASS
70	69	0.00	2	0.6	877	PASS
127	198	40	60	51.0	167168	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	327488	PASS
199	198	5	9	6.6	21704	PASS
275	198	10	30	19.5	63864	PASS
365	198	1	100	2.5	8197	PASS
441	443	0.01	100	86.3	28320	PASS
442	198	40	110	56.9	186368	PASS
443	442	17	23	17.6	32800	PASS

DFTA0410.D 5080402.M Wed Apr 10 09:13:59 2002

File : C:\MSDCHEM\1\DATA\041002\DFTA0410.D
Operator : Bohlk
Acquired : 10 Apr 2002 11:28 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: DFTPP
Misc Info :
Vial Number: 3



Response Factor Report Instrumen

Method : C:\MSDCHEM\1\5973N\5080402BB.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Apr 15 15:18:40 2002
Response via : Initial Calibration

Calibration Files
6 =C40AA410.D 1 =C5A0410.D 2 =C10A0410.D
3 =C25A0410.D 4 =C100A410.D 5 =C80A0410.D

		Compound	6	1	2	3	4	5	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	ISTD							
2)		N-nitroso-dimet	0.785	0.777	0.725	0.616	0.804	0.798	0.751	9.54
3)		bis(2-chloroeth	0.973	1.285	1.209	1.013	1.124	1.002	1.101	11.50
4)		1,3 - Dichlorob	0.874	1.170	1.083	0.922	1.036	0.918	1.000	11.49
5)		1,4 - Dichlorob	0.856	1.168	1.070	0.911	1.016	0.904	0.987	12.02
6)		1,2 - Dichlorob	0.809	1.060	0.996	0.838	0.954	0.840	0.916	11.12
7)		2,2 ' - oxybis	1.420	2.064	1.767	1.533	1.682	1.510	1.663	14.00
8)		N-Nitroso-di-n-	0.574	0.920	0.915	0.789	0.844	0.684	0.788	17.31
9)	I	Hexachloroethan	0.300	0.470	0.430	0.368	0.398	0.316	0.380	17.24
10)		Naphthalene-d8	ISTD							
11)		Nitrobenzene	0.300	0.351	0.334	0.283	0.316	0.292	0.313	8.45
12)		Isophorone	0.562	0.584	0.580	0.498	0.572	0.562	0.560	5.67
13)		bis(2-Chloroeth	0.334	0.355	0.355	0.312	0.353	0.321	0.338	5.53
14)		1,2,4-Trichloro	0.159	0.202	0.190	0.157	0.178	0.159	0.174	10.84
15)		Naphthalene	0.593	0.849	0.787	0.639	0.700	0.609	0.696	14.82
16)		Hexachlorobutad	0.081	0.099	0.093	0.079	0.087	0.081	0.087	9.04
17)		Acenaphthene-d10	ISTD							
18)		Hexachlorocyclo	0.128	0.083	0.096	0.110	0.108	0.134	0.110	17.41
19)		2-chloronaphtha	0.615	0.786	0.727	0.642	0.717	0.639	0.688	9.63
20)	I	Dimethylphthala	0.725	0.864	0.834	0.728	0.858	0.768	0.796	7.99
21)		2,6-Dinitrotolu	0.168	0.170	0.177	0.159	0.191	0.174	0.173	6.15
22)		Acenaphthylene	0.816	0.993	0.969	0.899	1.009	0.882	0.928	8.05
23)		Acenaphthene	0.564	0.809	0.740	0.617	0.690	0.599	0.670	13.93
24)		2,4-Dinitrotolu	0.232	0.196	0.236	0.219	0.264	0.244	0.232	9.97
25)		Diethylphthalat	0.566	0.816	0.764	0.634	0.720	0.610	0.685	14.17
26)		4-Chlorophenyl-	0.311	0.407	0.385	0.325	0.370	0.326	0.354	10.91
27)		Fluorene	0.627	0.949	0.884	0.715	0.786	0.669	0.772	16.30
28)	s	TCMX (SURR)	0.109	0.108	0.085	0.108	0.100	0.107	0.103	9.15
29)		Azobenzen/ 1,2-	1.068	1.287	1.253	1.063	1.209	1.130	1.168	8.16
30)		Phenanthrene-d10	ISTD							
31)		N-Nitrosodiphen	0.320	0.401	0.387	0.324	0.372	0.328	0.356	9.96
32)		4-Bromophenyl-p	0.116	0.128	0.132	0.109	0.130	0.117	0.122	7.73
33)		Hexachlorobenze	0.113	0.135	0.123	0.105	0.123	0.111	0.118	9.15
34)		Phenanthrene	0.649	0.878	0.812	0.669	0.753	0.660	0.737	12.75
35)		Anthracene	0.625	0.801	0.780	0.652	0.733	0.652	0.707	10.48
36)		Di-n-butylphtha	0.754	0.923	0.915	0.782	0.908	0.783	0.844	9.33
37)		Fluoranthene	0.702	0.777	0.796	0.717	0.776	0.726	0.749	5.16
38)	s	2,4-DDD (SURR)	0.020	0.022	0.022	0.021	0.019	0.022	0.021	5.98
39)		Chrysene-d12	ISTD							
40)		Pyrene	1.190	1.239	1.173	0.968	1.327	1.133	1.171	10.24
41)		Butylbenzylphth	0.543	0.536	0.537	0.457	0.636	0.531	0.540	10.52
42)		Benzo (a) antra	0.826	0.813	0.793	0.713	0.841	0.818	0.801	5.70
43)		Bis (2-ethylhex	0.703	0.717	0.715	0.611	0.870	0.705	0.720	11.59
44)		Chrysene	0.772	0.824	0.806	0.691	0.802	0.768	0.777	6.09
45)		Perylene-d12	ISTD							
46)		Di-n-Octylphtha	1.982	1.413	1.733	1.537	2.229	1.995	1.815	17.02
47)		Benzo (b) fluor	1.070	0.890	0.987	0.893	1.086	1.069	0.999	9.05

(#) = Out of Range

Method : C:\MSDCHEM\1\5973N\5080402BB.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Mon Apr 15 15:18:40 2002
Response via : Initial Calibration

Calibration Files
6 =C40AA410.D 1 =C5A0410.D 2 =C10A0410.D
3 =C25A0410.D 4 =C100A410.D 5 =C80A0410.D

	Compound	6	1	2	3	4	5	Avg	%RSD
48)	Benzo (k) fluor	1.107	1.245	1.181	0.983	1.167	1.113	1.133	7.86
49)	Benzo (a) pyren	0.946	0.871	0.937	0.821	0.983	0.992	0.925	7.19
50)	Indeno (1,2,3-c	0.641	0.375	0.485	0.517	0.701	0.601	0.553	21.34
51)	Dibenz (a,h) an	0.604	0.440	0.497	0.506	0.673	0.572	0.548	15.33
52)	Benzo (g,h,i) p	0.622	0.537	0.599	0.552	0.718	0.583	0.602	10.77

(#) = Out of Range

DFTPP

Data File : C:\MSDCHEM\1\DATA\041002\DFTB0410.D Vial: 3
Acq On : 10 Apr 2002 7:02 pm Operator: Bohlk
Sample : DFTPP Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P

Method : C:\MSDCHEM\1\5973N\5080402BB.M (RTE Integrator)
Title : Quantitation For Method 508gcscan

Spectrum Information: Scan 3506

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.1	144704	PASS
68	69	0.00	2	1.3	2008	PASS
69	198	0.00	100	45.8	157312	PASS
70	69	0.00	2	0.5	841	PASS
127	198	40	60	48.1	165312	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	343616	PASS
199	198	5	9	6.7	22976	PASS
275	198	10	30	18.8	64728	PASS
365	198	1	100	1.7	5929	PASS
441	443	0.01	100	74.1	26856	PASS
442	198	40	110	59.2	203584	PASS
443	442	17	23	17.8	36240	PASS

DFTB0410.D 5080402BB.M Thu Apr 11 05:23:37 2002

File : C:\MSDCHEM\1\DATA\041002\DFTB0410.D
Operator : Bohlk
Acquired : 10 Apr 2002 7:02 pm using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: DFTPP
Misc Info :
Vial Number: 3