Method 508 mod. Date Extracted 5-21-02 Page 134

Reb

Lab #	Description	Sample vol/wt	Drip rate ml/min	Surr add	Spk add	IS add	Final vol.	T.V. pos.	pH	Count		
LB	Re-Ext	500ml		1ML			1ml	4A	7			
Reb					1ml			6A				
Reb2								1A				
95017								5A				
9519								8B				
9677								2B				
9678								2A				
9679								3A				
9682								8A				
10517								3B				

Remarks

Reviewed by, E/B 8/23/02

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

Extraction type - Sep Fu Solv.lot# X07E07 NaCl lot# V39614 Na2SO4 lot# V#6648

STANDARD	INT STD LOG#											
CALIBRATION												
REF/SPIKE	2297E											
MDL/MDRF												
Q. CHECK												
INT. STD.												
SURROGATE	~~TCMX~~	TCMX		2284C				5/17/02				
LPC												
ENDRIN/DDT												

Analyst EH
revision 4/12/01

Verified by_____

Reviewed by DW
Date 5/23/02

Ion 209.00 (208.70 to 209.70): TCMX.D

1	20.507	BB	0.029		2001827	20.441	20.568

Response Factor Report Instrumen

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 09:42:05 2002
Response via : Initial Calibration

Calibration Files
5.0 =CAL5.D 10.0 =CAL10.D 20.0 =CAL20B.D
80.0 =CAL80.D 160 =CAL160.D 50.0 =CAL50.D

		Compound	5.0	10.0	20.0	80.0	160	50.0	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		n-nitros-dimeth	0.398	0.585	0.766	0.791	0.770	0.821	0.689	23.92
3)		bis(2-Chloroeth	1.512	1.546	1.631	1.427	1.253	1.522	1.482	8.76
4)		1,3-Dichloroben	1.630	1.641	1.583	1.408	1.175	1.520	1.493	11.90
5)		1,4-Dichloroben	1.817	1.794	1.722	1.509	1.244	1.645	1.622	13.32
6)		1,2-Dichloroben	1.540	1.569	1.536	1.343	1.124	1.457	1.428	11.92
7)		2,2'oxybis(1-Ch	2.252	2.324	2.490	2.239	2.011	2.306	2.270	6.86
8)		N-nitroso-di-pr	0.841	0.953	1.114	0.983	0.896	1.000	0.964	9.73
9)		Hexachloroethan	0.594	0.625	0.636	0.575	0.488	0.609	0.588	9.08
10)		Napthalene-d8	----------ISTD----------							
11)		Nitrobenzene	0.310	0.347	0.389	0.362	0.329	0.370	0.351	8.14
12)		Isophorone	0.571	0.658	0.730	0.636	0.555	0.667	0.636	10.22
13)		bis(2-Chloroeth	0.450	0.469	0.496	0.431	0.373	0.456	0.446	9.39
14)		1,2,4-Trichloro	0.340	0.336	0.321	0.279	0.235	0.303	0.302	13.14
15)		Napthalene	1.199	1.184	1.145	0.959	0.786	1.054	1.055	15.13
16)		Hexachlorobutad	0.162	0.161	0.154	0.133	0.110	0.145	0.144	13.81
17)		Acenapthalene-d10	----------ISTD----------							
18)		2-Chloronaphtha	1.143	1.127	1.076	0.957	0.806	1.039	1.025	12.32
19)		Dimethylphthala	1.236	1.321	1.356	1.231	1.105	1.295	1.257	7.07
20)		2,6-Dinitrotolu	0.137	0.184	0.239	0.219	0.207	0.226	0.202	18.32
21)		Acenapthylene	1.914	1.954	1.853	1.565	1.289	1.678	1.709	14.82
22)		Acenapthalene	1.218	1.229	1.165	0.981	0.805	1.077	1.079	15.16
23)		2,4-Dinitrotolu		0.207	0.315	0.313	0.306	0.310	0.290	16.15
24)		Diethylphthalat	1.450	1.210	1.284	1.062	0.894	1.148	1.175	16.19
25)		4-Chlorophenyl-	0.705	0.696	0.676	0.578	0.483	0.624	0.627	13.61
26)		Fluorene	1.417	1.421	1.403	1.165	0.942	1.283	1.272	14.96
27)	s	TCMX	0.217	0.190	0.077	0.199	0.196	0.169	0.175	28.71
28)		Azobenzene	1.311	1.471	1.598	1.342	1.141	1.439	1.384	11.31
29)		Phenanthranene-d10	----------ISTD----------							
30)		Nnitrosodipheny	0.495	0.482	0.215	0.418	0.347	0.464	0.404	26.45
31)		4-Bromophenyl-p	0.222	0.233	0.222	0.191	0.153	0.208	0.205	14.27
32)		Hexachlorobenze	0.226	0.227	0.207	0.184	0.151	0.199	0.199	14.34
33)		Phenanthrene	1.393	1.388	1.291	1.074	0.878	1.195	1.203	16.65
34)		Anthracene	1.272	1.319	1.287	1.113	0.911	1.204	1.184	12.89
35)		Di-n-butylphtha	0.897	1.197	1.493	1.229	1.048	1.305	1.195	17.26
36)		Fluoroanthene	1.284	1.383	1.484	1.170	0.976	1.284	1.264	13.94
37)		Chrysene-d12	----------ISTD----------							
38)		Pyrene	1.463	1.611	2.050	1.481	1.337	1.589	1.589	15.53
39)		Butylbenzylphth		0.441	0.903	0.689	0.666	0.700	0.680	24.11

(#) = Out of Range ### Number of calibration levels exceeded format ###

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
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	Compound	5.0	10.0	20.0	80.0	160	50.0	Avg	%RSD
40)	Benzo(a)anthrac	1.134	1.240	0.956	1.299	1.194	1.374	1.199	12.10
41)	Bis(2-ethylhexy		0.564	1.081	0.943	0.883	0.949	0.884	21.83
42)	Chrysene	1.491	1.457	1.653	1.263	1.103	1.300	1.378	14.15
43)	Perylene-d12	----------ISTD----------							
44)	Di-n-octylphtha		0.941	1.559	2.063	1.928	2.133	1.725	28.48
45)	Benzo(b)fluoran	1.261	1.555	1.892	1.635	1.427	1.763	1.589	14.34
46)	Benzo(k)fluoran	1.633	2.032	2.008	1.710	1.413	1.881	1.779	13.48
47)	Benzo(a)pyrene	1.089	1.363	1.710	1.507	1.292	1.566	1.421	15.50
48)	Indeno(1,2,3-cd	0.670	0.881	1.013	1.031	0.985	1.102	0.947	16.22
49)	Dibenz(a,h)anth	0.895	1.094	1.044	1.059	0.991	1.169	1.042	8.91
50)	Benzo(g,h,i)per	1.079	1.268	1.104	1.049	0.988	1.149	1.106	8.67

(#) = Out of Range ### Number of calibration levels exceeded format ###

Data File : C:\MSDCHEM\1\DATA\052102\DFTPP.D Vial: 1
Acq On : 21 May 2002 11:37 am Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Spectrum Information: Scan 3595

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.0	122472	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.9	107792	PASS
70	69	0.00	2	0.6	619	PASS
127	198	40	60	49.0	139392	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	284544	PASS
199	198	5	9	6.9	19504	PASS
275	198	10	30	19.5	55376	PASS
365	198	1	99	2.3	6441	PASS
441	443	1	100	76.4	25872	PASS
442	198	40	110	63.0	179264	PASS
443	442	17	23	18.9	33864	PASS

DFTPP.D 052202.M Wed May 22 12:01:47 2002