

User: Nefliu, Marcela
 Westchester Dept. of Labs & Research
 Date: 05/28/2002 Time: 14:31:05

Sample: AE10812
 Analysis: \$REGCMS Reference for GCMS Scan
 Units: ug
 Started: 5/17/02 13:47 Ended: 5/21/02 13:47 Analyst: MN
 Result source: manual entry
 Page: 1

	Component Name	Viol.	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		6.3		2.0
2	bis(2-Chloroethyl)ether		17		2.0
3	1,3-Dichlorobenzene		15		2.0
4	1,4-Dichlorobenzene		14		2.0
5	1,2-Dichlorobenzene		16		2.0
6	2,2-oxybis(1-Chloropropane)		18		2.0
7	n-Nitrosodi-n-propylamine		18		2.0
8	Hexachloroethane		11		2.0
9	Nitrobenzene		17		2.0
10	Isophorone		19		2.0
11	bis(2-Chloroethoxy)methane		17		2.0
12	1,2,4-Trichlorobenzene		15		2.0
13	Naphthalene		18		2.0
14	Hexachlorobutadiene		12		2.0
15	2-Chloronaphthalene		19		2.0
16	Dimethylphthalate		18		2.0
17	2,6-Dinitrotoluene		19		2.0
18	Acenaphthylene		16		2.0
19	Acenaphthene		18		2.0
20	2,4-Dinitrotoluene		17		2.0
21	Diethylphthalate		20		2.0
22	4-Chlorophenylphenylether		18		2.0
23	Fluorene		18		2.0
24	Azobenzene		17		2.0
25	n-Nitrosodiphenylamine		18		2.0
26	4-Bromophenylphenylether		18		2.0
27	Hexachlorobenzene		18		2.0
28	Phenanthrene		18		2.0
29	Anthracene		16		2.0
30	Di-n-butylphthalate		19		2.0
31	Fluoranthene		18		2.0
32	Pyrene		20		2.0
33	Butylbenzylphthalate		18		2.0
34	Benzo(a)anthracene		18		2.0
35	bis(2-Ethylhexyl)phthalate		18		2.0
36	Chrysene		19		2.0
37	Di-n-octylphthalate		16		2.0
38	Benzo(b)fluoranthene		18		2.0
39	Benzo(k)fluoranthene		18		2.0
40	Benzo(a)pyrene		13		2.0
41	Indeno(1,2,3-cd)pyrene		12		2.0
42	Dibenz(a,h)anthracene		15		2.0
43	Benzo(g,h,i)perylene		16		2.0

User: Nefliu, Marcela
 Westchester Dept. of Labs & Research
 Date: 05/28/2002 Time: 14:31:12

Sample: AE10812
 Analysis: \$Q_GCMS Ref calc for GCMS Scan
 Units: ug
 Started: 5/17/02 13:47 Ended: 5/21/02 13:47 Analyst: MN
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		32		2.0
2	bis(2-Chloroethyl)ether		85		2.0
3	1,3-Dichlorobenzene		75		2.0
4	1,4-Dichlorobenzene		70		2.0
5	1,2-Dichlorobenzene		80		2.0
6	2,2-oxybis(1-Chloropropane)		90		2.0
7	n-Nitrosodi-n-propylamine		90		2.0
8	Hexachloroethane		55		2.0
9	Nitrobenzene		85		2.0
10	Isophorone		95		2.0
11	bis(2-Chloroethoxy)methane		85		2.0
12	1,2,4-Trichlorobenzene		75		2.0
13	Naphthalene		90		2.0
14	Hexachlorobutadiene		60		2.0
15	2-Chloronaphthalene		95		2.0
16	Dimethylphthalate		90		2.0
17	2,6-Dinitrotoluene		95		2.0
18	Acenaphthylene		80		2.0
19	Acenaphthene		90		2.0
20	2,4-Dinitrotoluene		85		2.0
21	Diethylphthalate		100		2.0
22	4-Chlorophenylphenylether		90		2.0
23	Fluorene		90		2.0
24	Azobenzene		85		2.0
25	n-Nitrosodiphenylamine		90		2.0
26	4-Bromophenylphenylether		90		2.0
27	Hexachlorobenzene		90		2.0
28	Phenanthrene		90		2.0
29	Anthracene		80		2.0
30	Di-n-butylphthalate		95		2.0
31	Fluoranthene		90		2.0
32	Pyrene		100		2.0
33	Butylbenzylphthalate		90		2.0
34	Benzo(a)anthracene		90		2.0
35	bis(2-Ethylhexyl)phthalate		90		2.0
36	Chrysene		95		2.0
37	Di-n-octylphthalate		80		2.0
38	Benzo(b)fluoranthene		90		2.0
39	Benzo(k)fluoranthene		90		2.0
40	Benzo(a)pyrene		65		2.0
41	Indeno(1,2,3-cd)pyrene		60		2.0
42	Dibenz(a,h)anthracene		75		2.0
43	Benzo(g,h,i)perylene		80		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF4.D

Acq On : 21 May 2002 3:18 pm

Sample : 052/17 ref ad

Misc :

MS Integration Params: rteint.e

Quant Time: May 24 09:18:42 2002

Vial: 8

Operator: Nefliu

Inst : Instrumen

Multiplr: 1.00

Quant Results File: SCAN020521.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri May 24 09:17:56 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.38	152	455808	40.00	ug/l	-0.01
10) Naphthalene-d8	16.54	136	1702072	40.00	ug/l	-0.03
17) Acenaphthene-d10	24.46	164	906433	40.00	ug/l	-0.02
30) Phenanthrene-d10	31.72	188	1552062	40.00	ug/l	-0.02
38) Chrysene-d12	39.94	240	1210903	40.00	ug/l	-0.05
44) Perylene-d12	43.15	264	709359	40.00	ug/l	-0.03

System Monitoring Compounds

27) TCMX	27.56	207	240188	33.04	ug/l	-0.04
Spiked Amount	40.000		Recovery	=	82.60%	

Target Compounds

Qvalue

2) N-nitrosodimethylamine	3.98	74	44623m	6.31	ug/l	
3) bis(2-Chloroethyl) ether	10.65	93	292508	16.55	ug/l	99
4) 1,3-Dichlorobenzene	11.11	146	221157	14.77	ug/l	96
5) 1,4-Dichlorobenzene	11.43	146	231393	14.13	ug/l	97
6) 1,2-Dichlorobenzene	11.96	146	225488	15.82	ug/l	98
7) 2,2'-oxybis(1-Chloropropane	12.78	45	492125m	17.57	ug/l	
8) N-Nitroso-di-n-propylamine	13.25	43	223342	17.53	ug/l	99
9) Hexachloroethane	13.25	119	81991	11.44	ug/l	92
11) Nitrobenzene	13.67	77	349427	16.57	ug/l	99
12) Isophorone	14.78	82	681417	18.85	ug/l	100
13) bis(2-Chloroethoxy) methan	16.02	93	358910	16.76	ug/l	97
14) 1,2,4-Trichlorobenzene	16.38	180	193480	15.22	ug/l	92
15) Naphthalene	16.62	128	765165	17.57	ug/l	99
16) Hexachlorobutadiene	17.40	225	89636	11.97	ug/l	92
18) 2-Chloronaphthalene	21.92	162	420317	18.98	ug/l	100
19) Acenaphthylene	23.75	152	686365	16.17	ug/l	98
20) Dimethyl phthalate	23.84	163	518135	17.96	ug/l	97
21) 2,6-Dinitrotoluene	23.96	77	49218m	18.59	ug/l	
22) Acenaphthene	24.60	153	450347	17.92	ug/l	95
23) 2,4-Dinitrotoluene	25.73	165	113041	16.93	ug/l	93
24) Fluorene	27.00	166	534362	18.49	ug/l	99
25) Diethyl phthalate	27.22	149	574487	19.69	ug/l	96
26) 4-Chlorophenyl-phenylether	27.35	204	255308	17.73	ug/l	97
28) N-Nitrosodiphenylamine	27.94	168	174137	18.00	ug/l	99
29) Azobenzene	28.03	77	743066	16.78	ug/l	98
31) Hexachlorobenzene	29.60	284	151034	18.03	ug/l	99
32) 4-Bromophenyl-phenylether	29.71	248	146373	17.60	ug/l	88
33) Phenanthrene	31.82	178	725882	17.98	ug/l	99
34) Anthracene	32.04	178	657989	16.17	ug/l	98
35) Di-n-butylphthalate	34.81	149	950238	19.00	ug/l	99

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

0517REF4.D SCAN020521.M

Fri May 24 09:19:13 2002

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF4.D Vial: 8
 Acq On : 21 May 2002 3:18 pm Operator: Nefliu
 Sample : 052/17 ref ad Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: rteint.e
 Quant Time: May 24 09:18:42 2002 Quant Results File: SCAN020521.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)
 Title : Method 508 GC/MS Scan
 Last Update : Fri May 24 09:17:56 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Fluoranthene	36.05	202	825856	18.05	ug/l	100
39) Pyrene	36.66	202	872441	19.85	ug/l	96
40) Buthylbenzylphthalate	38.93	149	383809	18.44	ug/l	99
41) Benz(a)anthracene	39.92	228	688295	17.92	ug/l	98
42) Chrysene	39.99	228	682387	18.79	ug/l	98
43) Bis(2-ethylhexyl)phthalate	40.52	149	471933	18.27	ug/l	97
45) Di-n-Octyl phthalate	42.03	149	617173	15.52	ug/l	99
46) Benzo(b)fluoranthene	42.38	252	514049	18.28	ug/l	96
47) Benzo(k)fluoranthene	42.43	252	572485	18.46	ug/l	98
48) Benzo(a)pyrene	43.02	252	358146	13.25	ug/l	95
49) Indeno(1,2,3-cd)pyrene	45.22	276	214897	12.46	ug/l	98
50) Dibenz(a,h)anthracene	45.31	278	241341	14.60	ug/l	97
51) Benzo(ghi)perylene	45.77	276	277304	16.19	ug/l	98

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 0517REF4.D SCAN020521.M Fri May 24 09:19:13 2002 Page 2

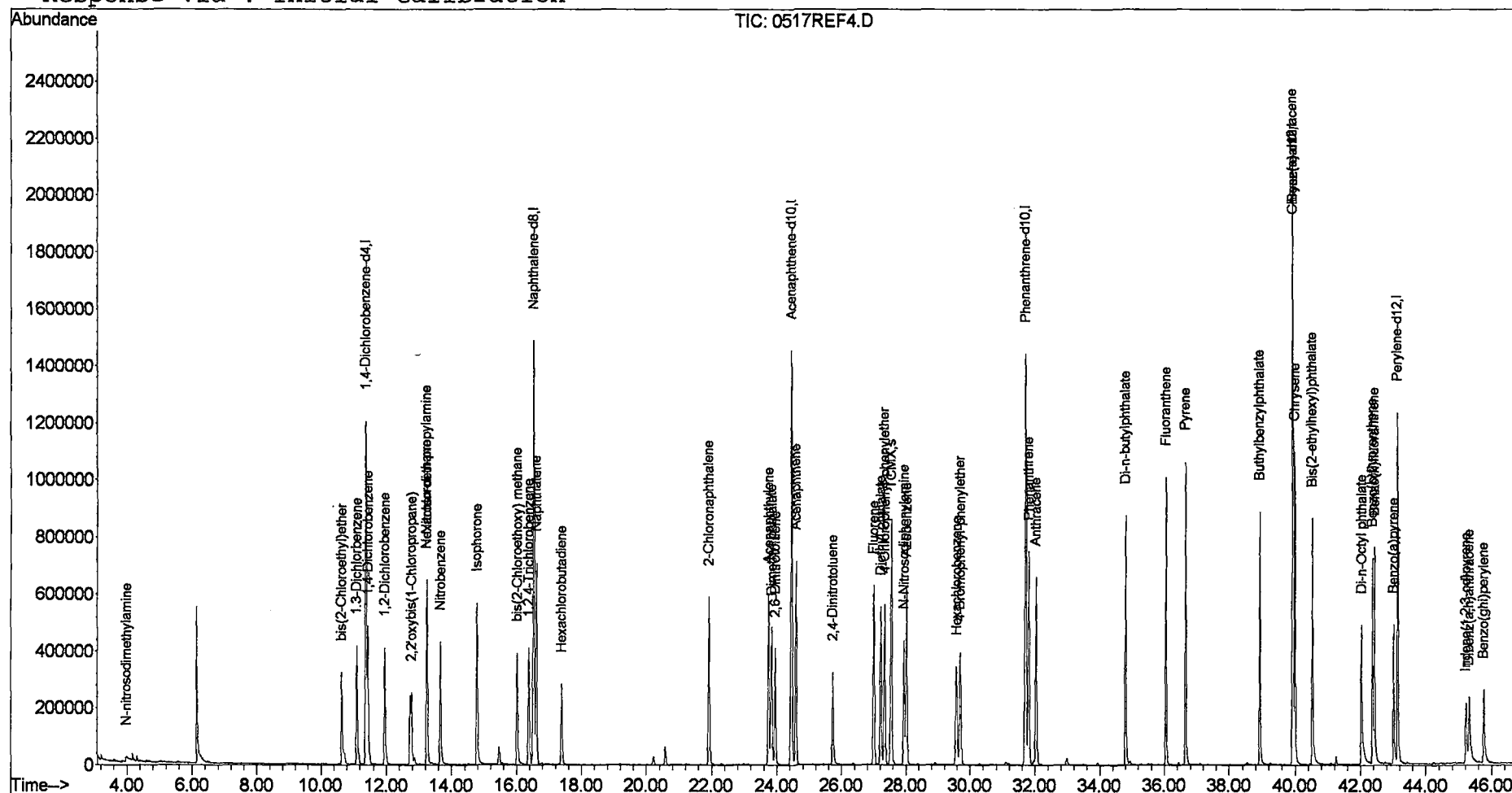
Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF4.D
 Acq On : 21 May 2002 3:18 pm
 Sample : 052/17 ref ad
 Misc :
 MS Integration Params: rteint.e
 Quant Time: May 24 9:18 2002

Vial: 8
 Operator: Nefliu
 Inst : Instrumen
 Multiplr: 1.00

Quant Results File: SCAN020521.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)
 Title : Method 508 GC/MS Scan
 Last Update : Fri May 24 09:17:56 2002
 Response via : Initial Calibration



0517REF4.D SCAN020521.M

Fri May 24 09:19:14 2002

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF3.D

Vial: 7

Acq On : 21 May 2002 2:19 pm

Operator: Nefliu

Sample : 052/17 ref ad

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: rteint.e

Quant Time: May 24 09:18:04 2002

Quant Results File: SCAN020521.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri May 24 09:17:56 2002

Response via : Initial Calibration

DataAcq Meth : 508SCAN1

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.37	152	502155	40.00	ug/l	-0.02
10) Naphthalene-d8	16.53	136	1875524	40.00	ug/l	-0.04
17) Acenaphthene-d10	24.46	164	999380	40.00	ug/l	-0.02
30) Phenanthrene-d10	31.72	188	1726398	40.00	ug/l	-0.02
38) Chrysene-d12	39.94	240	1351058	40.00	ug/l	-0.04
44) Perylene-d12	43.16	264	769918	40.00	ug/l	-0.02

System Monitoring Compounds

27) TCMX	27.56	207	266162	33.20	ug/l	-0.04
Spiked Amount	40.000		Recovery	=	83.00%	

Target Compounds

						Qvalue
2) N-nitrosodimethylamine	3.96	74	53959m	6.93	ug/l	
3) bis(2-Chloroethyl) ether	10.65	93	312825	16.06	ug/l	95
4) 1,3-Dichlorobenzene	11.11	146	229520	13.91	ug/l	97
5) 1,4-Dichlorobenzene	11.43	146	242260	13.43	ug/l	92
6) 1,2-Dichlorobenzene	11.95	146	240415	15.31	ug/l	97
7) 2,2'-oxybis(1-Chloropropane	12.77	45	526883m	17.07	ug/l	
8) N-Nitroso-di-n-propylamine	13.25	43	237670	16.93	ug/l	99
9) Hexachloroethane	13.26	119	83246	10.54	ug/l	95
11) Nitrobenzene	13.67	77	383388	16.50	ug/l	98
12) Isophorone	14.78	82	744749	18.70	ug/l	98
13) bis(2-Chloroethoxy) methan	16.02	93	389259	16.50	ug/l	99
14) 1,2,4-Trichlorobenzene	16.38	180	207919	14.85	ug/l	99
15) Naphthalene	16.62	128	835299	17.41	ug/l	99
16) Hexachlorobutadiene	17.40	225	92689	11.23	ug/l	94
18) 2-Chloronaphthalene	21.92	162	450964	18.47	ug/l	98
19) Acenaphthylene	23.75	152	746265	15.95	ug/l	99
20) Dimethyl phthalate	23.84	163	563246	17.71	ug/l	98
21) 2,6-Dinitrotoluene	23.96	77	51500	17.64	ug/l	# 78
22) Acenaphthene	24.60	153	487035	17.58	ug/l	98
23) 2,4-Dinitrotoluene	25.74	165	127354	17.30	ug/l	98
24) Fluorene	27.01	166	591349	18.56	ug/l	100
25) Diethyl phthalate	27.22	149	633386	19.69	ug/l	96
26) 4-Chlorophenyl-phenylether	27.35	204	273295	17.22	ug/l	99
28) N-Nitrosodiphenylamine	27.94	168	190941	17.91	ug/l	99
29) Azobenzene	28.02	77	804473	16.47	ug/l	99
31) Hexachlorobenzene	29.60	284	167885	18.02	ug/l	98
32) 4-Bromophenyl-phenylether	29.71	248	156681	16.93	ug/l	93
33) Phenanthrene	31.82	178	798594	17.79	ug/l	99
34) Anthracene	32.05	178	717082	15.84	ug/l	99
35) Di-n-butylphthalate	34.81	149	1043887	18.77	ug/l	100

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

0517REF3.D SCAN020521.M

Fri May 24 09:18:36 2002

Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF3.D Vial: 7
 Acq On : 21 May 2002 2:19 pm Operator: Nefliu
 Sample : 052/17 ref ad Inst : Instrumen
 Misc : Multiplr: 1.00
 MS Integration Params: rteint.e
 Quant Time: May 24 09:18:04 2002 Quant Results File: SCAN020521.RE

Quant Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)
 Title : Method 508 GC/MS Scan
 Last Update : Fri May 24 09:17:56 2002
 Response via : Initial Calibration
 DataAcq Meth : 508SCAN1

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Fluoranthene	36.05	202	898779	17.66	ug/l	99
39) Pyrene	36.66	202	935767	19.08	ug/l	97
40) Buthylbenzylphthalate	38.93	149	420550	18.11	ug/l	97
41) Benz(a)anthracene	39.92	228	756278	17.64	ug/l	99
42) Chrysene	40.00	228	743643	18.35	ug/l	99
43) Bis(2-ethylhexyl)phthalate	40.52	149	526583	18.27	ug/l	97
45) Di-n-Octyl phthalate	42.03	149	695090	16.10	ug/l	98
46) Benzo(b)fluoranthene	42.38	252	540959	17.72	ug/l	99
47) Benzo(k)fluoranthene	42.43	252	593512	17.63	ug/l	100
48) Benzo(a)pyrene	43.02	252	393649	13.42	ug/l	98
49) Indeno(1,2,3-cd)pyrene	45.22	276	229365	12.25	ug/l	99
50) Dibenz(a,h)anthracene	45.32	278	248116	13.82	ug/l	98
51) Benzo(ghi)perylene	45.77	276	283216	15.23	ug/l	99

 (#) = qualifier out of range (m) = manual integration (+) = signals summed
 0517REF3.D SCAN020521.M Fri May 24 09:18:37 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\020521\0517REF3.D

Vial: 7

Acq On : 21 May 2002 2:19 pm

Operator: Nefliu

Sample : 052/17 ref ad

Inst : Instrumen

Misc :

Multiplr: 1.00

MS Integration Params: rteint.e

Quant Time: May 24 9:18 2002

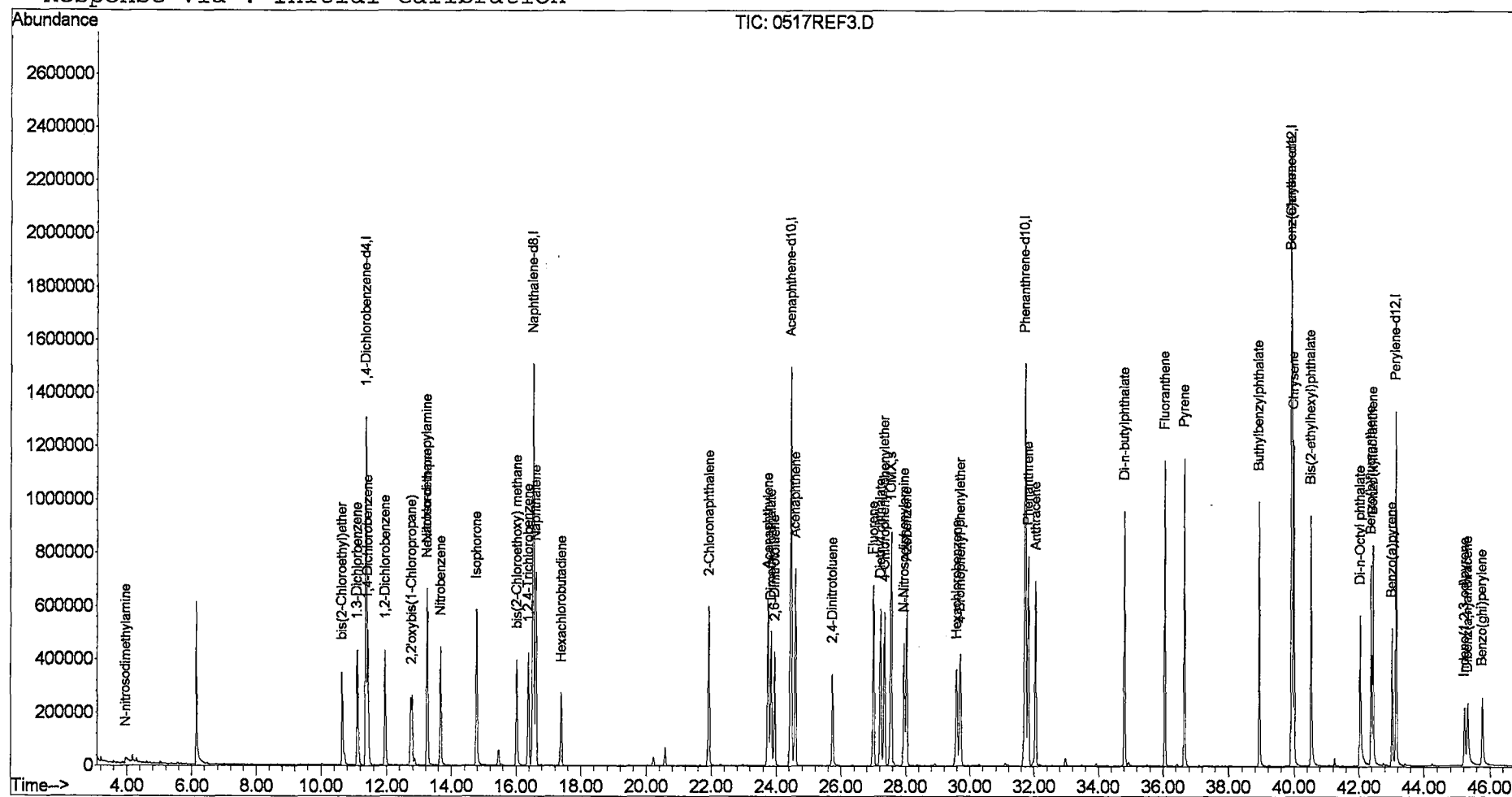
Quant Results File: SCAN020521.RES

Method : C:\MSDCHEM\1\METHODS\SCAN020521.M (RTE Integrator)

Title : Method 508 GC/MS Scan

Last Update : Fri May 24 09:17:56 2002

Response via : Initial Calibration



0517REF3.D SCAN020521.M

Fri May 24 09:18:37 2002

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