User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 14:52:38

Sample: AE09517
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/22/02 14:11 Ended: 5/22/02 14:11 Analyst: MF
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		6.40		2.0
2	bis(2-Chloroethyl)ether		14.50		2.0
3	1,3-Dichlorobenzene		13.21		2.0
4	1,4-Dichlorobenzene		12.79		2.0
5	1,2-Dichlorobenzene		14.13		2.0
6	2,2-oxybis(1-Chloropropane)		15.31		2.0
7	n-Nitrosodi-n-propylamine		14.82		2.0
8	Hexachloroethane		10.37		2.0
9	Nitrobenzene		14.44		2.0
10	Isophorone		16.99		2.0
11	bis(2-Chloroethoxy)methane		15.20		2.0
12	1,2,4-Trichlorobenzene		13.93		2.0
13	Naphthalene		16.09		2.0
14	Hexachlorobutadiene		11.92		2.0
15	2-Chloronaphthalene		16.92		2.0
16	Dimethylphthalate		15.40		2.0
17	2,6-Dinitrotoluene		13.54		2.0
18	Acenaphthylene		15.35		2.0
19	Acenaphthene		16.35		2.0
20	2,4-Dinitrotoluene		13.37		2.0
21	Diethylphthalate		16.37		2.0
22	4-Chlorophenylphenylether		15.65		2.0
23	Fluorene		16.76		2.0
24	Azobenzene		15.44		2.0
25	n-Nitrosodiphenylamine		17.78		2.0
26	4-Bromophenylphenylether		16.17		2.0
27	Hexachlorobenzene		16.84		2.0
28	Phenanthrene		16.35		2.0
29	Anthracene		14.98		2.0
30	Di-n-butylphthalate		17.51		2.0
31	Fluoranthene		15.89		2.0
32	Pyrene		16.83		2.0
33	Butylbenzylphthalate		12.06		2.0
34	Benzo(a)anthracene		15.84		2.0
35	bis(2-Ethylhexyl)phthalate		10.85		2.0
36	Chrysene		15.91		2.0
37	Di-n-octylphthalate		10.00		2.0
38	Benzo(b)fluoranthene		15.87		2.0
39	Benzo(k)fluoranthene		17.22		2.0
40	Benzo(a)pyrene		11.17		2.0
41	Indeno(1,2,3-cd)pyrene		10.53		2.0
42	Dibenz(a,h)anthracene		12.87		2.0
43	Benzo(g,h,i)perylene		13.07		2.0

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/22/2002 Time: 14:52:34

Sample: AE09517
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/22/02 14:11 Ended: 5/22/02 14:11 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		32		2.0
2	bis(2-Chloroethyl)ether		72		2.0
3	1,3-Dichlorobenzene		66		2.0
4	1,4-Dichlorobenzene		64		2.0
5	1,2-Dichlorobenzene		71		2.0
6	2,2-oxybis(1-Chloropropane)		77		2.0
7	n-Nitrosodi-n-propylamine		74		2.0
8	Hexachloroethane		52		2.0
9	Nitrobenzene		72		2.0
10	Isophorone		85		2.0
11	bis(2-Chloroethoxy)methane		76		2.0
12	1,2,4-Trichlorobenzene		70		2.0
13	Naphthalene		80		2.0
14	Hexachlorobutadiene		60		2.0
15	2-Chloronaphthalene		85		2.0
16	Dimethylphthalate		77		2.0
17	2,6-Dinitrotoluene		68		2.0
18	Acenaphthylene		77		2.0
19	Acenaphthene		82		2.0
20	2,4-Dinitrotoluene		67		2.0
21	Diethylphthalate		82		2.0
22	4-Chlorophenylphenylether		78		2.0
23	Fluorene		84		2.0
24	Azobenzene		77		2.0
25	n-Nitrosodiphenylamine		89		2.0
26	4-Bromophenylphenylether		81		2.0
27	Hexachlorobenzene		84		2.0
28	Phenanthrene		82		2.0
29	Anthracene		75		2.0
30	Di-n-butylphthalate		88		2.0
31	Fluoranthene		79		2.0
32	Pyrene		84		2.0
33					
34	Benzo(a)anthracene		79		2.0
35					
36	Chrysene		80		2.0
37					
38	Benzo(b)fluoranthene		79		2.0
39	Benzo(k)fluoranthene		86		2.0
40	Benzo(a)pyrene		56		2.0
41	Indeno(1,2,3-cd)pyrene		53		2.0
42	Dibenz(a,h)anthracene		64		2.0
43	Benzo(g,h,i)perylene		65		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\REF1.D Vial: 11
Acq On : 21 May 2002 9:29 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:03:35 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	5017598	40.00	ug/L	0.00
10) Napthalene-d8	13.40	136	20011362	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.53	164	11223646	40.00	ug/L	0.00
29) Phenanthranene-d10	22.92	188	17086590	40.00	ug/L	0.00
37) Chrysene-d12	30.77	240	13419026	40.00	ug/L	-0.03
43) Perylene-d12	34.66	264	8013061	40.00	ug/L	-0.02
System Monitoring Compounds						
27) TCMX	20.51	209	2241033	37.78	ug/L	0.00
Spiked Amount 40.000			Recovery = 94.45%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.86	74	599677	6.40	ug/L #	84
3) bis(2-Chloroethyl)ether	9.31	93	2696080	14.50	ug/L	99
4) 1,3-Dichlorobenzene	9.73	146	2474100	13.21	ug/L	99
5) 1,4-Dichlorobenzene	9.94	146	2601678	12.79	ug/L	99
6) 1,2-Dichlorobenzene	10.32	146	2531479	14.13	ug/l	98
7) 2,2'oxybis(1-Chloropropane	10.77	45	4359317m	15.31	ug/L	
8) N-nitroso-di-propylamine	11.10	70	1792635	14.82	ug/L	98
9) Hexachloroethane	11.22	117	764960	10.37	ug/L	98
11) Nitrobenzene	11.46	77	2537918	14.44	ug/L	99
12) Isophorone	12.17	82	5405916	16.99	ug/L	99
13) bis(2-Chloroethoxy) methan	12.91	93	3390162	15.20	ug/L	98
14) 1,2,4-Trichlorobenzene	13.27	180	2106389	13.93	ug/L	99
15) Napthalene	13.45	128	8486899	16.09	ug/L	100
16) Hexachlorobutadiene	13.90	225	859997	11.92	ug/L	99
18) 2-Chloronaphthalene	16.89	162	4864308	16.92	ug/L	98
19) Dimethylphthalate	17.97	163	5433689	15.40	ug/L	99
20) 2,6-Dinitrotoluene	18.08	165	767205	13.54	ug/L	98
21) Acenapthylene	18.09	152	7361773	15.35	ug/L	98
22) Acenapthalene	18.62	153	4950395	16.35	ug/L	99
23) 2,4-Dinitrotoluene	19.24	165	990658	13.37	ug/L	95
24) Diethylphthalate	20.11	149	5397346	16.37	ug/L	99
25) 4-Chlorophenyl-phenylether	20.29	204	2752890	15.65	ug/L	97
26) Fluorene	20.16	166	5982270	16.76	ug/L	100
28) Azobenzene	20.74	77	5995048	15.44	ug/L	99
30) Nnitrosodiphenylamine	20.66	169	3065380	17.78	ug/L	98
31) 4-Bromophenyl-phenylether	21.72	248	1414718	16.17	ug/L	99
32) Hexachlorobenzene	21.75	284	1432348	16.84	ug/L	97
33) Phenanthrene	22.98	178	8399970	16.35	ug/L	99
34) Anthracene	23.13	178	7576255	14.98	ug/L	100
35) Di-n-butylphthalate	25.05	149	8938316	17.51	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\REF1.D Vial: 11
Acq On : 21 May 2002 9:29 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:03:35 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

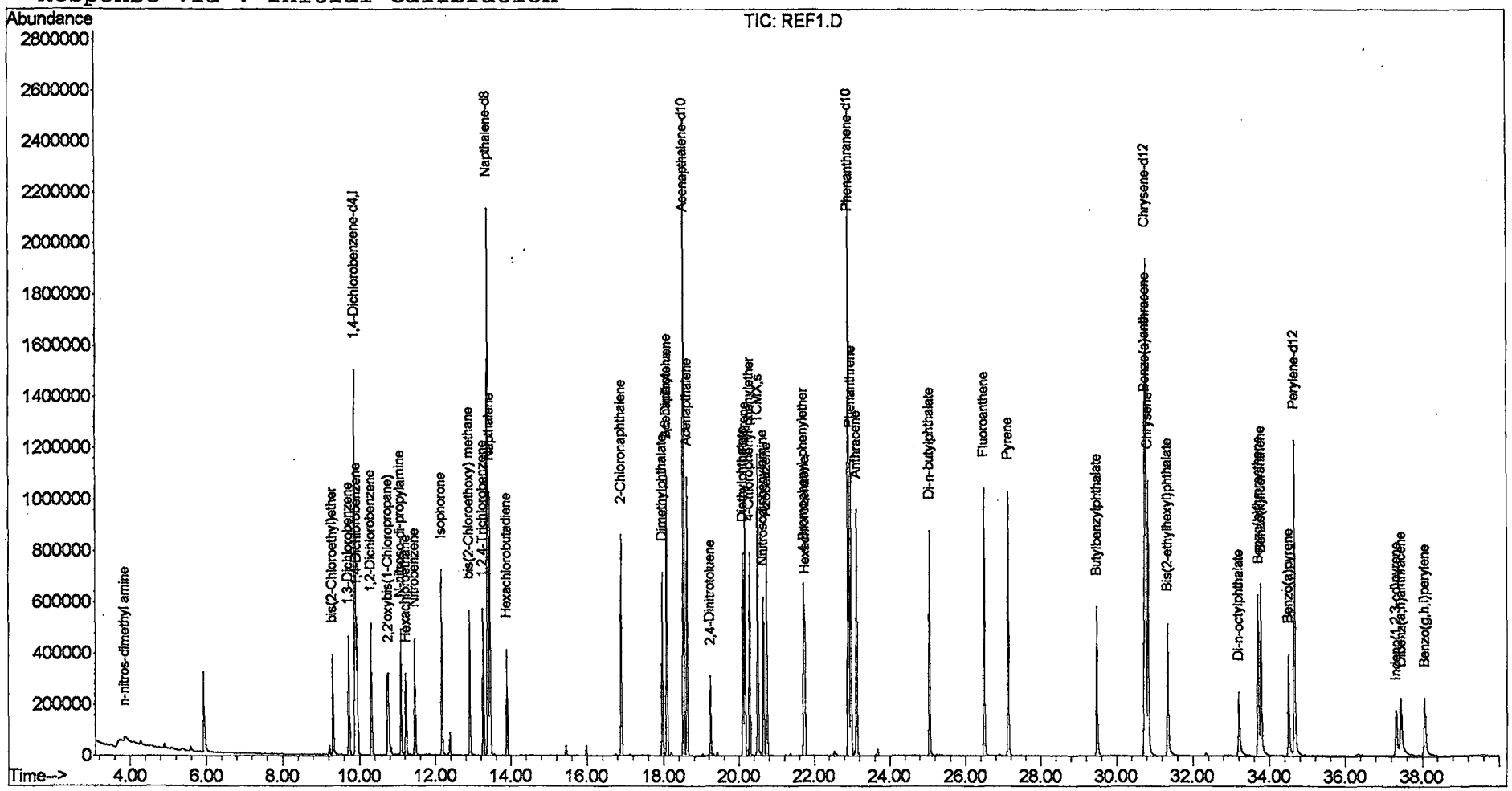
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.50	202	8579366	15.89	ug/L	98
38)	Pyrene	27.13	202	8967781	16.83	ug/L	99
39)	Butylbenzylphthalate	29.48	149	2749917	12.06	ug/L	97
40)	Benzo(a)anthracene	30.74	228	6371299	15.84	ug/L	99
41)	Bis(2-ethylhexyl)phthalate	31.35	149	3218988	10.85	ug/L	97
42)	Chrysene	30.84	228	7354444m	15.91	ug/L	
44)	Di-n-octylphthalate	33.20	149	3456555	10.00	ug/L	100
45)	Benzo(b)fluoranthene	33.70	252	5048985	15.87	ug/L	99
46)	Benzo(k)fluoranthene	33.78	252	6140068	17.22	ug/L	100
47)	Benzo(a)pyrene	34.51	252	3178753	11.17	ug/L	96
48)	Indeno(1,2,3-cd)pyrene	37.33	276	1998554	10.53	ug/L	98
49)	Dibenz(a,h)anthracene	37.45	278	2685574	12.87	ug/L	99
50)	Benzo(g,h,i)perylene	38.06	276	2895908	13.07	ug/L	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\REF1.D Vial: 11
Acq On : 21 May 2002 9:29 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:03 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration



REF1.D 052202.M Wed May 22 12:04:04 2002 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\REF2.D Vial: 12
Acq On : 21 May 2002 10:18 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:04:11 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.90	152	4180292	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	16537916	40.00	ug/L	-0.01
17) Acenapthalene-d10	18.53	164	9109304	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	13763027	40.00	ug/L	0.00
37) Chrysene-d12	30.77	240	10246685	40.00	ug/L	-0.04
43) Perylene-d12	34.66	264	5729842	40.00	ug/L	-0.02
System Monitoring Compounds						
27) TCMX	20.51	209	1808099	37.56	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.90%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.88	74	450571	5.77	ug/L #	67
3) bis(2-Chloroethyl)ether	9.31	93	2178906	14.07	ug/L	99
4) 1,3-Dichlorobenzene	9.73	146	1997677	12.80	ug/L	99
5) 1,4-Dichlorobenzene	9.94	146	2079209	12.27	ug/L	99
6) 1,2-Dichlorobenzene	10.32	146	2045072	13.70	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.77	45	3521753m	14.84	ug/L	
8) N-nitroso-di-propylamine	11.10	70	1411791	14.01	ug/L	98
9) Hexachloroethane	11.22	117	591954	9.63	ug/L	98
11) Nitrobenzene	11.46	77	2032441	14.00	ug/L	98
12) Isophorone	12.17	82	4332197	16.47	ug/L	100
13) bis(2-Chloroethoxy) methan	12.91	93	2685474	14.57	ug/L	99
14) 1,2,4-Trichlorobenzene	13.27	180	1672960	13.39	ug/L	100
15) Napthalene	13.45	128	6857918	15.73	ug/L	99
16) Hexachlorobutadiene	13.90	225	671996	11.27	ug/L	97
18) 2-Chloronaphthalene	16.89	162	3872878	16.60	ug/L	99
19) Dimethylphthalate	17.97	163	4272393	14.92	ug/L	99
20) 2,6-Dinitrotoluene	18.08	165	585619	12.73	ug/L	96
21) Acenapthylene	18.09	152	5836754	15.00	ug/L	98
22) Acenapthalene	18.62	153	3947992	16.07	ug/L	98
23) 2,4-Dinitrotoluene	19.23	165	701888	11.67	ug/L	94
24) Diethylphthalate	20.11	149	4254432	15.90	ug/L	100
25) 4-Chlorophenyl-phenylether	20.29	204	2160574	15.13	ug/L	99
26) Fluorene	20.16	166	4733010	16.34	ug/L	99
28) Azobenzene	20.74	77	4710865	14.95	ug/L	98
30) Nnitrosodiphenylamine	20.65	169	2244632	16.16	ug/L	99
31) 4-Bromophenyl-phenylether	21.72	248	1092141	15.49	ug/L	97
32) Hexachlorobenzene	21.75	284	1111305	16.22	ug/L	97
33) Phenanthrene	22.98	178	6623341	16.00	ug/L	100
34) Anthracene	23.12	178	5860090	14.38	ug/L	98
35) Di-n-butylphthalate	25.05	149	6892224	16.76	ug/L	99

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

Data File : C:\MSDCHEM\1\DATA\052102\REF2.D Vial: 12
Acq On : 21 May 2002 10:18 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:04:11 2002 Quant Results File: 052202.RES

Quant Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

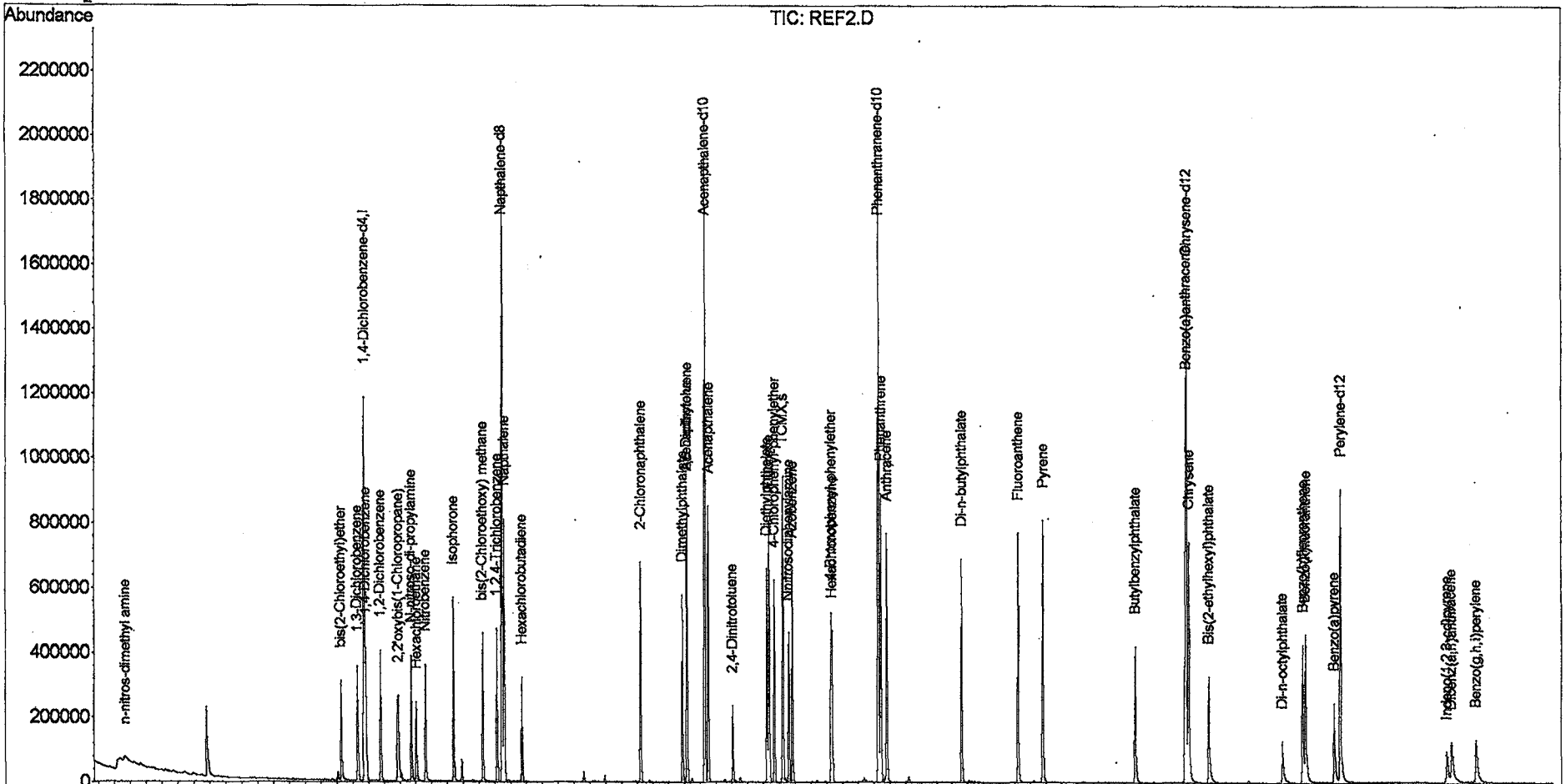
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.49	202	6573213	15.12	ug/L	100
38)	Pyrene	27.13	202	6884914	16.92	ug/L	99
39)	Butylbenzylphthalate	29.48	149	1953493	11.22	ug/L	97
40)	Benzo(a)anthracene	30.74	228	4603833	14.99	ug/L	99
41)	Bis(2-ethylhexyl)phthalate	31.35	149	2110221	9.32	ug/L	99
42)	Chrysene	30.83	228	5540918m	15.70	ug/L	
44)	Di-n-octylphthalate	33.19	149	1817317	7.36	ug/L	98
45)	Benzo(b)fluoranthene	33.70	252	3487357	15.32	ug/L	98
46)	Benzo(k)fluoranthene	33.78	252	4345455	17.05	ug/L	100
47)	Benzo(a)pyrene	34.50	252	2056820	10.10	ug/L	99
48)	Indeno(1,2,3-cd)pyrene	37.32	276	1138708	8.39	ug/L	99
49)	Dibenz(a,h)anthracene	37.45	278	1607526	10.77	ug/L	96
50)	Benzo(g,h,i)perylene	38.06	276	1807236	11.40	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052102\REF2.D Vial: 12
Acq On : 21 May 2002 10:18 pm Operator: Mclean
Sample : Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 12:04 2002 Quant Results File: 052202.RES

Method : C:\MSDCHEM\1\METHODS\052202.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Wed May 22 12:00:55 2002
Response via : Initial Calibration



REF2.D 052202.M Wed May 22 12:04:38 2002 Page 3