User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 14:11:34

Sample: AE11602
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/30/02 14:01 Ended: 5/30/02 14:01 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		35		2.0
2	bis(2-Chloroethyl)ether		79		2.0
3	1,3-Dichlorobenzene		71		2.0
4	1,4-Dichlorobenzene		70		2.0
5	1,2-Dichlorobenzene		77		2.0
6	2,2-oxybis(1-Chloropropane)		84		2.0
7	n-Nitrosodi-n-propylamine		83		2.0
8	Hexachloroethane		58		2.0
9	Nitrobenzene		79		2.0
10	Isophorone		93		2.0
11	bis(2-Chloroethoxy)methane		81		2.0
12	1,2,4-Trichlorobenzene		75		2.0
13	Naphthalene		88		2.0
14	Hexachlorobutadiene		65		2.0
15	2-Chloronaphthalene		94		2.0
16	Dimethylphthalate		85		2.0
17	2,6-Dinitrotoluene		85		2.0
18	Acenaphthylene		85		2.0
19	Acenaphthene		91		2.0
20	2,4-Dinitrotoluene		85		2.0
21	Diethylphthalate		91		2.0
22	4-Chlorophenylphenylether		86		2.0
23	Fluorene		93		2.0
24	Azobenzene		85		2.0
25	n-Nitrosodiphenylamine		97		2.0
26	4-Bromophenylphenylether		87		2.0
27	Hexachlorobenzene		91		2.0
28	Phenanthrene		90		2.0
29	Anthracene		82		2.0
30	Di-n-butylphthalate		85		2.0
31	Fluoranthene		79		2.0
32	Pyrene		96		2.0
33	[illegible]				
34	Benzo(a)anthracene		81		2.0
35	[illegible]				
36	Chrysene		83		2.0
37	[illegible]				
38	Benzo(b)fluoranthene		80		2.0
39	Benzo(k)fluoranthene		91		2.0
40	Benzo(a)pyrene		57		2.0
41	Indeno(1,2,3-cd)pyrene		49		2.0
42	Dibenz(a,h)anthracene		61		2.0
43	Benzo(g,h,i)perylene		67		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524REF1.D Vial: 4
Acq On : 28 May 2002 4:45 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:35:49 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 29 08:47:01 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	4727083	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	18984108	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	10623690	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	16118784	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	11034134	40.00	ug/L	-0.04
43) Perylene-d12	34.66	264	6305118	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2338686	38.20	ug/L	0.00
Spiked Amount 40.000			Recovery = 95.50%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.87	74	624113	7.07	ug/L #	80
3) bis(2-Chloroethyl)ether	9.31	93	2627313	15.00	ug/L	98
4) 1,3-Dichlorobenzene	9.73	146	2446421	13.87	ug/L	98
5) 1,4-Dichlorobenzene	9.94	146	2561123	13.36	ug/L	99
6) 1,2-Dichlorobenzene	10.32	146	2531144	15.00	ug/l	100
7) 2,2'oxybis(1-Chloropropane	10.77	45	4260852m	15.88	ug/L	
8) N-nitroso-di-propylamine	11.10	70	1798342	15.78	ug/L	97
9) Hexachloroethane	11.22	117	764977	11.01	ug/L	99
11) Nitrobenzene	11.45	77	2500596	15.00	ug/L	99
12) Isophorone	12.17	82	5391735	17.86	ug/L	99
13) bis(2-Chloroethoxy) methan	12.90	93	3329120	15.74	ug/L	99
14) 1,2,4-Trichlorobenzene	13.26	180	2103895	14.67	ug/L	100
15) Napthalene	13.45	128	8369126	16.72	ug/L	100
16) Hexachlorobutadiene	13.89	225	812121	11.86	ug/L	97
18) 2-Chloronaphthalene	16.89	162	4802978	17.65	ug/L	99
19) Dimethylphthalate	17.96	163	5518513	16.52	ug/L	99
20) 2,6-Dinitrotoluene	18.08	165	890013	16.59	ug/L	97
21) Acenapthylene	18.09	152	7352242	16.20	ug/L	99
22) Acenapthalene	18.62	153	4977685	17.37	ug/L	100
23) 2,4-Dinitrotoluene	19.23	165	1187637	16.93	ug/L	94
24) Diethylphthalate	20.10	149	5458311	17.49	ug/L	98
25) 4-Chlorophenyl-phenylether	20.29	204	2734022	16.42	ug/L	98
26) Fluorene	20.16	166	5973621	17.69	ug/L	99
28) Azobenzene	20.74	77	6012115	16.36	ug/L	99
30) Nnitrosodiphenylamine	20.65	169	3166143	19.47	ug/L	99
31) 4-Bromophenyl-phenylether	21.72	248	1396654	16.92	ug/L	97
32) Hexachlorobenzene	21.75	284	1414095	17.62	ug/L	99
33) Phenanthrene	22.97	178	8394615	17.32	ug/L	100
34) Anthracene	23.12	178	7568555	15.86	ug/L	99
35) Di-n-butylphthalate	25.05	149	8369584	17.38	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524REF1.D Vial: 4
Acq On : 28 May 2002 4:45 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:35:49 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 29 08:47:01 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

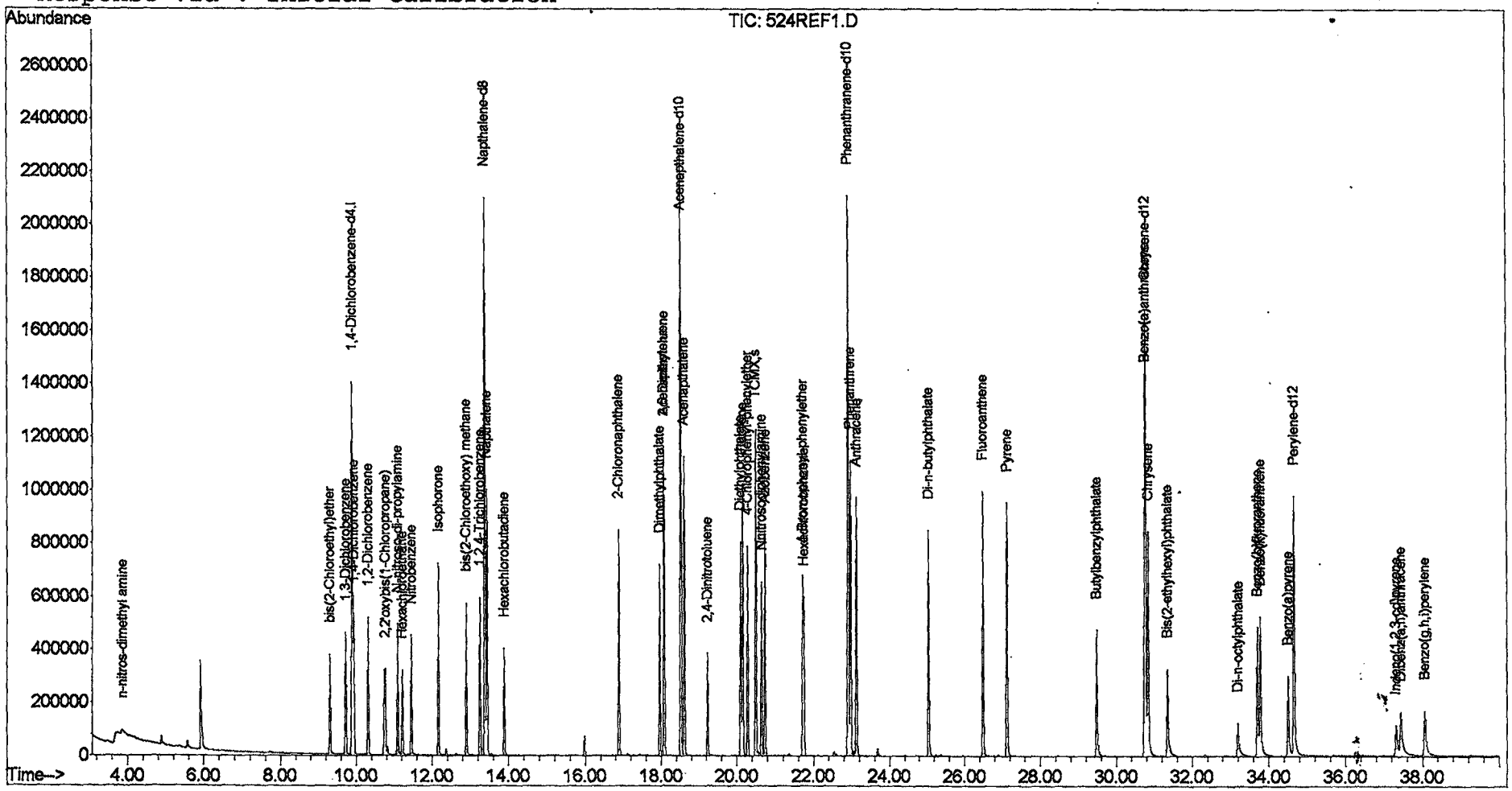
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.49	202	8044674	15.80	ug/L	98
38)	Pyrene	27.13	202	8386919	19.14	ug/L	99
39)	Butylbenzylphthalate	29.48	149	2258991	12.04	ug/L	98
40)	Benzo(a)anthracene	30.74	228	5355919	16.19	ug/L	99
41)	Bis(2-ethylhexyl)phthalate	31.34	149	2371028	9.72	ug/L	99
42)	Chrysene	30.83	228	6335106m	16.67	ug/L	
44)	Di-n-octylphthalate	33.19	149	2050453	7.54	ug/L	99
45)	Benzo(b)fluoranthene	33.70	252	4002348	15.98	ug/L	99
46)	Benzo(k)fluoranthene	33.77	252	5120788	18.26	ug/L	99
47)	Benzo(a)pyrene	34.50	252	2565189	11.45	ug/L	99
48)	Indeno(1,2,3-cd)pyrene	37.32	276	1451075	9.72	ug/L	95
49)	Dibenz(a,h)anthracene	37.44	278	2010235	12.24	ug/L	98
50)	Benzo(g,h,i)perylene	38.06	276	2347034	13.46	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524REF1.D Vial: 4
Acq On : 28 May 2002 4:45 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:36 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 29 08:47:01 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524REF2.D Vial: 5
Acq On : 28 May 2002 5:34 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:36:24 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 29 08:47:01 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	3979726	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	16262201	40.00	ug/L	-0.02
17) Acenapthalene-d10	18.53	164	9006857	40.00	ug/L	-0.01
29) Phenanthranene-d10	22.91	188	13434563	40.00	ug/L	-0.01
37) Chrysene-d12	30.76	240	7821105	40.00	ug/L	-0.05
43) Perylene-d12	34.65	264	3847802	40.00	ug/L	-0.03
System Monitoring Compounds						
27) TCMX	20.50	209	2020011	38.92	ug/L	0.00
Spiked Amount 40.000			Recovery = 97.30%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.90	74	431979	5.82	ug/L #	58
3) bis(2-Chloroethyl)ether	9.31	93	2341048	15.88	ug/L	99
4) 1,3-Dichlorobenzene	9.73	146	2116784	14.25	ug/L	99
5) 1,4-Dichlorobenzene	9.94	146	2254780	13.97	ug/L	99
6) 1,2-Dichlorobenzene	10.32	146	2178886	15.34	ug/l	98
7) 2,2'oxybis(1-Chloropropane	10.77	45	3806777m	16.85	ug/L	
8) N-nitroso-di-propylamine	11.10	70	1599679	16.67	ug/L	98
9) Hexachloroethane	11.22	117	673695	11.52	ug/L	98
11) Nitrobenzene	11.45	77	2247281	15.74	ug/L	98
12) Isophorone	12.17	82	4807122	18.59	ug/L	100
13) bis(2-Chloroethoxy) methan	12.90	93	2925320	16.14	ug/L	98
14) 1,2,4-Trichlorobenzene	13.26	180	1854321	15.09	ug/L	100
15) Napthalene	13.45	128	7524693	17.55	ug/L	100
16) Hexachlorobutadiene	13.89	225	761056	12.98	ug/L	98
18) 2-Chloronaphthalene	16.89	162	4315192	18.70	ug/L	99
19) Dimethylphthalate	17.96	163	4838444	17.09	ug/L	99
20) 2,6-Dinitrotoluene	18.07	165	775226	17.05	ug/L	99
21) Acenapthylene	18.08	152	6519414	16.94	ug/L	99
22) Acenapthalene	18.62	153	4426288	18.22	ug/L	98
23) 2,4-Dinitrotoluene	19.23	165	1013161	17.04	ug/L	95
24) Diethylphthalate	20.10	149	4821802	18.23	ug/L	97
25) 4-Chlorophenyl-phenylether	20.29	204	2424133	17.17	ug/L	97
26) Fluorene	20.16	166	5305651	18.53	ug/L	99
28) Azobenzene	20.74	77	5281355	16.95	ug/L	98
30) Nnitrosodiphenylamine	20.65	169	2867719	21.15	ug/L	99
31) 4-Bromophenyl-phenylether	21.72	248	1195883	17.38	ug/L	95
32) Hexachlorobenzene	21.75	284	1223376	18.29	ug/L	97
33) Phenanthrene	22.97	178	7278209	18.01	ug/L	99
34) Anthracene	23.12	178	6557370	16.48	ug/L	99
35) Di-n-butylphthalate	25.05	149	6807583	16.96	ug/L	99

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

Data File : C:\MSDCHEM\1\DATA\052802\524REF2.D Vial: 5
Acq On : 28 May 2002 5:34 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:36:24 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 29 08:47:01 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

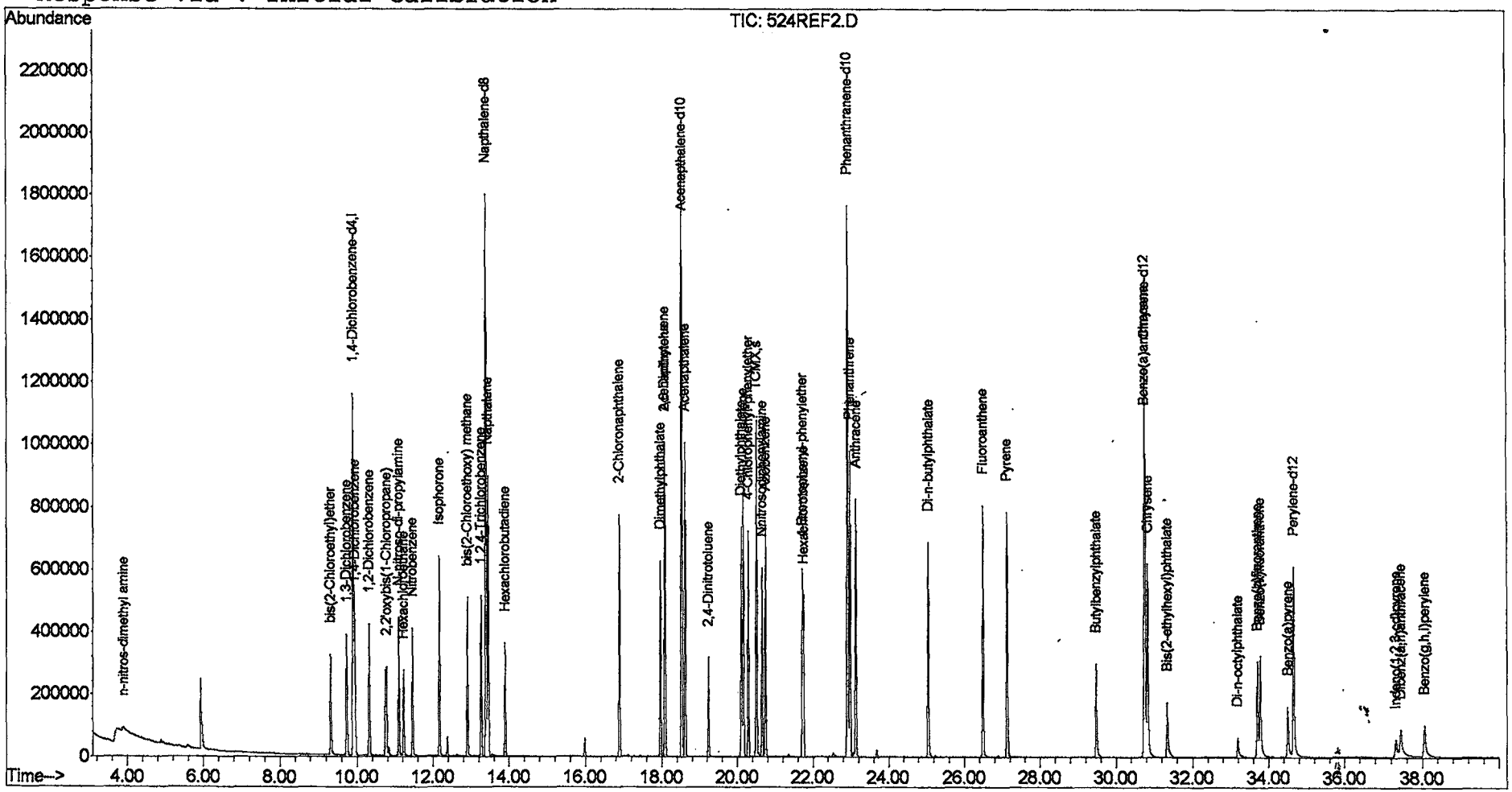
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
36)	Fluoroanthene	26.49	202	6519955	15.36	ug/L		98
38)	Pyrene	27.13	202	6721049	21.64	ug/L		99
39)	Butylbenzylphthalate	29.48	149	1509916	11.36	ug/L		97
40)	Benzo(a)anthracene	30.73	228	3815512	16.27	ug/L		99
41)	Bis(2-ethylhexyl)phthalate	31.34	149	1330126	7.69	ug/L		96
42)	Chrysene	30.82	228	4536135m	16.84	ug/L		
44)	Di-n-octylphthalate	33.18	149	908263	5.47	ug/L	#	94
45)	Benzo(b)fluoranthene	33.70	252	2451411	16.04	ug/L		99
46)	Benzo(k)fluoranthene	33.77	252	3400765	19.87	ug/L		99
47)	Benzo(a)pyrene	34.50	252	1436949	10.51	ug/L		99
48)	Indeno(1,2,3-cd)pyrene	37.32	276	752915	8.26	ug/L		93
49)	Dibenz(a,h)anthracene	37.44	278	1170241	11.68	ug/L		99
50)	Benzo(g,h,i)perylene	38.05	276	1496558	14.06	ug/L		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052802\524REF2.D Vial: 5
Acq On : 28 May 2002 5:34 pm Operator: McLean
Sample : 5/24 ad Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 30 10:36 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 29 08:47:01 2002
Response via : Initial Calibration



524REF2.D 052202.M Thu May 30 10:36:51 2002 Page 3

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 14:11:39

Sample: AE11602
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/30/02 14:01 Ended: 5/30/02 14:01 Analyst: MF
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		7.07		2.0
2	bis(2-Chloroethyl)ether		15.88		2.0
3	1,3-Dichlorobenzene		14.25		2.0
4	1,4-Dichlorobenzene		13.97		2.0
5	1,2-Dichlorobenzene		15.34		2.0
6	2,2-oxybis(1-Chloropropane)		16.85		2.0
7	n-Nitrosodi-n-propylamine		16.67		2.0
8	Hexachloroethane		11.52		2.0
9	Nitrobenzene		15.74		2.0
10	Isophorone		18.59		2.0
11	bis(2-Chloroethoxy)methane		16.14		2.0
12	1,2,4-Trichlorobenzene		15.09		2.0
13	Naphthalene		17.55		2.0
14	Hexachlorobutadiene		12.98		2.0
15	2-Chloronaphthalene		18.70		2.0
16	Dimethylphthalate		17.09		2.0
17	2,6-Dinitrotoluene		17.05		2.0
18	Acenaphthylene		16.94		2.0
19	Acenaphthene		18.22		2.0
20	2,4-Dinitrotoluene		17.04		2.0
21	Diethylphthalate		18.23		2.0
22	4-Chlorophenylphenylether		17.17		2.0
23	Fluorene		18.53		2.0
24	Azobenzene		16.95		2.0
25	n-Nitrosodiphenylamine		19.47		2.0
26	4-Bromophenylphenylether		17.38		2.0
27	Hexachlorobenzene		18.29		2.0
28	Phenanthrene		18.01		2.0
29	Anthracene		16.48		2.0
30	Di-n-butylphthalate		16.96		2.0
31	Fluoranthene		15.80		2.0
32	Pyrene		19.14		2.0
33	Butylbenzylphthalate		12.04		2.0
34	Benzo(a)anthracene		16.19		2.0
35	bis(2-Ethylhexyl)phthalate		9.72		2.0
36	Chrysene		16.67		2.0
37	Di-n-octylphthalate		7.54		2.0
38	Benzo(b)fluoranthene		15.98		2.0
39	Benzo(k)fluoranthene		18.26		2.0
40	Benzo(a)pyrene		11.45		2.0
41	Indeno(1,2,3-cd)pyrene		9.72		2.0
42	Dibenz(a,h)anthracene		12.24		2.0
43	Benzo(g,h,i)perylene		13.46		2.0