User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 06/10/2002 Time: 14:01:00

Sample: AE12735
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 6/10/02 13:53 Ended: 6/10/02 13:53 Analyst: MF
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		8.52		2.0
2	bis(2-Chloroethyl)ether		13.83		2.0
3	1,3-Dichlorobenzene		12.49		2.0
4	1,4-Dichlorobenzene		12.12		2.0
5	1,2-Dichlorobenzene		13.42		2.0
6	2,2-oxybis(1-Chloropropane)		14.01		2.0
7	n-Nitrosodi-n-propylamine		14.13		2.0
8	Hexachloroethane		9.02		2.0
9	Nitrobenzene		12.37		2.0
10	Isophorone		16.02		2.0
11	bis(2-Chloroethoxy)methane		14.57		2.0
12	1,2,4-Trichlorobenzene		13.69		2.0
13	Naphthalene		15.57		2.0
14	Hexachlorobutadiene		10.32		2.0
15	2-Chloronaphthalene		17.65		2.0
16	Dimethylphthalate		16.36		2.0
17	2,6-Dinitrotoluene		15.21		2.0
18	Acenaphthylene		15.72		2.0
19	Acenaphthene		16.99		2.0
20	2,4-Dinitrotoluene		17.36		2.0
21	Diethylphthalate		19.15		2.0
22	4-Chlorophenylphenylether		16.60		2.0
23	Fluorene		17.75		2.0
24	Azobenzene		15.42		2.0
25	n-Nitrosodiphenylamine		19.56		2.0
26	4-Bromophenylphenylether		17.17		2.0
27	Hexachlorobenzene		18.04		2.0
28	Phenanthrene		17.64		2.0
29	Anthracene		16.87		2.0
30	Di-n-butylphthalate		15.53		2.0
31	Fluoranthene		17.31		2.0
32	Pyrene		18.06		2.0
33	Butylbenzylphthalate		18.90		2.0
34	Benzo(a)anthracene		15.56		2.0
35	bis(2-Ethylhexyl)phthalate		18.40		2.0
36	Chrysene		17.33		2.0
37	Di-n-octylphthalate		18.12		2.0
38	Benzo(b)fluoranthene		13.75		2.0
39	Benzo(k)fluoranthene		18.16		2.0
40	Benzo(a)pyrene		12.98		2.0
41	Indeno(1,2,3-cd)pyrene		7.19		2.0
42	Dibenz(a,h)anthracene		10.55		2.0
43	Benzo(g,h,i)perylene		13.02		2.0

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 06/10/2002 Time: 14:01:12

Sample: AE12735
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 6/10/02 13:53 Ended: 6/10/02 13:53 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		43		2.0
2	bis(2-Chloroethyl)ether		69		2.0
3	1,3-Dichlorobenzene		62		2.0
4	1,4-Dichlorobenzene		61		2.0
5	1,2-Dichlorobenzene		67		2.0
6	2,2-oxybis(1-Chloropropane)		70		2.0
7	n-Nitrosodi-n-propylamine		71		2.0
8	Hexachloroethane		45		2.0
9	Nitrobenzene		62		2.0
10	Isophorone		80		2.0
11	bis(2-Chloroethoxy)methane		73		2.0
12	1,2,4-Trichlorobenzene		68		2.0
13	Naphthalene		78		2.0
14	Hexachlorobutadiene		52		2.0
15	2-Chloronaphthalene		88		2.0
16	Dimethylphthalate		82		2.0
17	2,6-Dinitrotoluene		76		2.0
18	Acenaphthylene		79		2.0
19	Acenaphthene		85		2.0
20	2,4-Dinitrotoluene		87		2.0
21	Diethylphthalate		96		2.0
22	4-Chlorophenylphenylether		83		2.0
23	Fluorene		89		2.0
24	Azobenzene		77		2.0
25	n-Nitrosodiphenylamine		98		2.0
26	4-Bromophenylphenylether		86		2.0
27	Hexachlorobenzene		90		2.0
28	Phenanthrene		88		2.0
29	Anthracene		84		2.0
30	Di-n-butylphthalate		78		2.0
31	Fluoranthene		87		2.0
32	Pyrene		90		2.0
33	Butylbenzylphthalate		94		2.0
34	Benzo(a)anthracene		78		2.0
35	bis(2-Ethylhexyl)phthalate		92		2.0
36	Chrysene		87		2.0
37	Di-n-octylphthalate		91		2.0
38	Benzo(b)fluoranthene		69		2.0
39	Benzo(k)fluoranthene		91		2.0
40	Benzo(a)pyrene		65		2.0
41					
42	Dibenz(a,h)anthracene		53		2.0
43	Benzo(g,h,i)perylene		65		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\REF3.D Vial: 8
Acq On : 7 Jun 2002 2:17 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:14:25 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 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	5778384	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	23432383	40.00	ug/L	0.00
17) Acenapthalene-d10	18.53	164	13024131	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	19734240	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	12256530	40.00	ug/L	0.00
43) Perylene-d12	34.65	264	6994083	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.50	209	2789610	29.85	ug/L	0.00
Spiked Amount 40.000			Recovery = 74.63%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.87	74	925324m	8.52	ug/L	
3) bis(2-Chloroethyl)ether	9.31	93	2930562	13.83	ug/L	98
4) 1,3-Dichlorobenzene	9.72	146	2626752	12.49	ug/L	99
5) 1,4-Dichlorobenzene	9.94	146	2765082	12.12	ug/L	99
6) 1,2-Dichlorobenzene	10.31	146	2706647	13.42	ug/l	98
7) 2,2'oxybis(1-Chloropropane	10.77	45	4708228m	14.01	ug/L	
8) N-nitroso-di-propylamine	11.10	70	2103058	14.13	ug/L	98
9) Hexachloroethane	11.22	117	781690	9.02	ug/L	98
11) Nitrobenzene	11.45	77	2721966	12.37	ug/L	98
12) Isophorone	12.17	82	6352077	16.02	ug/L	100
13) bis(2-Chloroethoxy) methan	12.90	93	3836897	14.57	ug/L	97
14) 1,2,4-Trichlorobenzene	13.26	180	2346956	13.69	ug/L	99
15) Napthalene	13.45	128	9331644	15.57	ug/L	99
16) Hexachlorobutadiene	13.89	225	835008	10.32	ug/L	97
18) 2-Chloronaphthalene	16.89	162	5671042	17.65	ug/L	98
19) Dimethylphthalate	17.96	163	6748135	16.36	ug/L	100
20) 2,6-Dinitrotoluene	18.08	165	1001328	15.21	ug/L #	93
21) Acenapthylene	18.08	152	8541922	15.72	ug/L	98
22) Acenapthalene	18.62	153	5773195	16.99	ug/L	99
23) 2,4-Dinitrotoluene	19.23	165	1419688	17.36	ug/L	97
24) Diethylphthalate	20.10	149	6830759	19.15	ug/L	99
25) 4-Chlorophenyl-phenylether	20.29	204	3240369	16.60	ug/L	98
26) Fluorene	20.16	166	7054221	17.75	ug/L	99
28) Azobenzene	20.74	77	7202690	15.42	ug/L	99
30) Nnitrosodiphenylamine	20.65	169	4428832	19.56	ug/L	97
31) 4-Bromophenyl-phenylether	21.72	248	1672506	17.17	ug/L	99
32) Hexachlorobenzene	21.75	284	1680971	18.04	ug/L	99
33) Phenanthrene	22.97	178	9995649	17.64	ug/L	99
34) Anthracene	23.12	178	9799738	16.87	ug/L	99
35) Di-n-butylphthalate	25.05	149	10628945	15.53	ug/L	99

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

Data File : C:\MSDCHEM\1\DATA\060702\REF3.D Vial: 8
Acq On : 7 Jun 2002 2:17 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:14:25 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

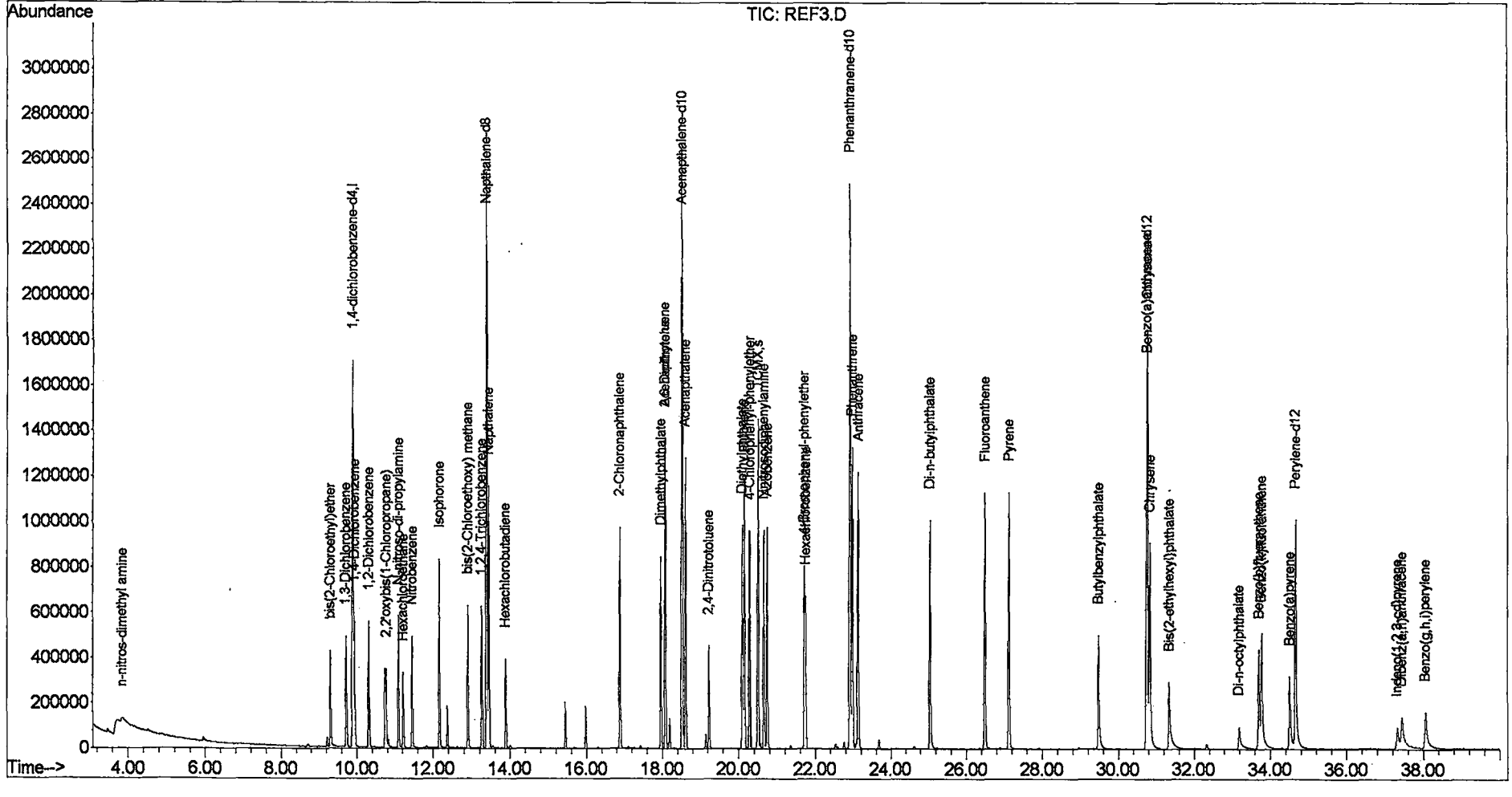
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.49	202	9583031	17.31	ug/L	98
38)	Pyrene	27.12	202	9834366	18.06	ug/L	98
39)	Butylbenzylphthalate	29.47	149	2778002	18.90	ug/L	95
40)	Benzo(a)anthracene	30.74	228	5974167	15.56	ug/L	100
41)	Bis(2-ethylhexyl)phthalate	31.34	149	2819384	18.40	ug/L	98
42)	Chrysene	30.82	228	7067884m	17.33	ug/L	
44)	Di-n-octylphthalate	33.18	149	2049412	18.12	ug/L	99
45)	Benzo(b)fluoranthene	33.70	252	3772292	13.75	ug/L	98
46)	Benzo(k)fluoranthene	33.77	252	5980182	18.16	ug/L	100
47)	Benzo(a)pyrene	34.50	252	3398699m	12.98	ug/L	
48)	Indeno(1,2,3-cd)pyrene	37.32	276	1272080	7.19	ug/L	95
49)	Dibenz(a,h)anthracene	37.44	278	2049664	10.55	ug/L	98
50)	Benzo(g,h,i)perylene	38.05	276	2701469	13.02	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\REF3.D Vial: 8
Acq On : 7 Jun 2002 2:17 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:15 2002 Quant Results File: 060302.RES

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration



REF3.D 060302.M Mon Jun 10 11:16:00 2002 Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\REF1.D Vial: 9
Acq On : 7 Jun 2002 3:06 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:12:27 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-dichlorobenzene-d4	9.89	152	4889718	40.00	ug/L	0.00
10) Napthalene-d8	13.39	136	19670406	40.00	ug/L	0.00
17) Acenapthalene-d10	18.53	164	10928699	40.00	ug/L	0.00
29) Phenanthranene-d10	22.91	188	16893268	40.00	ug/L	0.00
37) Chrysene-d12	30.76	240	11002031	40.00	ug/L	0.00
43) Perylene-d12	34.65	264	6071590	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.50	209	2216823	28.27	ug/L	0.00
Spiked Amount 40.000			Recovery = 70.67%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.88	74	779505m	8.48	ug/L	
3) bis(2-Chloroethyl)ether	9.31	93	2392741	13.34	ug/L	98
4) 1,3-Dichlorobenzene	9.72	146	2192285	12.32	ug/L	100
5) 1,4-Dichlorobenzene	9.94	146	2318061	12.00	ug/L	99
6) 1,2-Dichlorobenzene	10.31	146	2251468	13.20	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.76	45	3954124m	13.91	ug/L	
8) N-nitroso-di-propylamine	11.09	70	1716821	13.63	ug/L	98
9) Hexachloroethane	11.22	117	643825	8.78	ug/L	97
11) Nitrobenzene	11.45	77	2218361	12.01	ug/L	99
12) Isophorone	12.16	82	5125279	15.40	ug/L	99
13) bis(2-Chloroethoxy) methan	12.90	93	3040409	13.76	ug/L	98
14) 1,2,4-Trichlorobenzene	13.26	180	1905577	13.24	ug/L	100
15) Napthalene	13.45	128	7608529	15.13	ug/L	100
16) Hexachlorobutadiene	13.89	225	684555	10.08	ug/L	99
18) 2-Chloronaphthalene	16.89	162	4534585	16.82	ug/L	97
19) Dimethylphthalate	17.96	163	5295268	15.30	ug/L	100
20) 2,6-Dinitrotoluene	18.07	165	779396	14.29	ug/L	95
21) Acenapthylene	18.08	152	6886544	15.10	ug/L	98
22) Acenapthalene	18.61	153	4640387	16.28	ug/L	99
23) 2,4-Dinitrotoluene	19.23	165	1037755	15.83	ug/L	94
24) Diethylphthalate	20.10	149	5314709	17.76	ug/L	99
25) 4-Chlorophenyl-phenylether	20.29	204	2597952	15.86	ug/L	98
26) Fluorene	20.15	166	5636209	16.90	ug/L	100
28) Azobenzene	20.73	77	5641685	14.39	ug/L	98
30) Nnitrosodiphenylamine	20.65	169	3457119	17.84	ug/L	99
31) 4-Bromophenyl-phenylether	21.71	248	1335377	16.02	ug/L	99
32) Hexachlorobenzene	21.75	284	1359796	17.05	ug/L	98
33) Phenanthrene	22.97	178	8079478	16.65	ug/L	99
34) Anthracene	23.12	178	7852644	15.79	ug/L	99
35) Di-n-butylphthalate	25.05	149	8234964	13.78	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\REF1.D Vial: 9
Acq On : 7 Jun 2002 3:06 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:12:27 2002 Quant Results File: 060302.RES

Quant Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.49	202	7882379	16.63	ug/L	99
38)	Pyrene	27.12	202	8121435	16.61	ug/L	98
39)	Butylbenzylphthalate	29.47	149	1939816	16.45	ug/L	96
40)	Benzo(a)anthracene	30.73	228	4892951	14.20	ug/L	100
41)	Bis(2-ethylhexyl)phthalate	31.34	149	1834524	15.88	ug/L	97
42)	Chrysene	30.82	228	6052569m	16.53	ug/L	
44)	Di-n-octylphthalate	33.17	149	1341177m	16.92	ug/L	
45)	Benzo(b)fluoranthene	33.70	252	2990428	12.56	ug/L	98
46)	Benzo(k)fluoranthene	33.77	252	4906994	17.16	ug/L	99
47)	Benzo(a)pyrene	34.50	252	2588640m	11.39	ug/L	
48)	Indeno(1,2,3-cd)pyrene	37.32	276	883937	5.76	ug/L	97
49)	Dibenz(a,h)anthracene	37.43	278	1505667	8.93	ug/L	100
50)	Benzo(g,h,i)perylene	38.05	276	2061743	11.45	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\060702\REF1.D Vial: 9
Acq On : 7 Jun 2002 3:06 pm Operator:
Sample : gc/ms scan 6/3 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: Jun 10 11:14 2002 Quant Results File: 060302.RES

Method : C:\MSDCHEM\1\METHODS\060302.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Thu Jun 06 15:03:45 2002
Response via : Initial Calibration