User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/23/2002 Time: 13:56:09

Sample: AE11417
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/23/02 13:34 Ended: 5/23/02 13:34 Analyst: MF
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		8.12		2.0
2	bis(2-Chloroethyl)ether		14.69		2.0
3	1,3-Dichlorobenzene		13.35		2.0
4	1,4-Dichlorobenzene		13.60		2.0
5	1,2-Dichlorobenzene		14.92		2.0
6	2,2-oxybis(1-Chloropropane)		15.05		2.0
7	n-Nitrosodi-n-propylamine		14.61		2.0
8	Hexachloroethane		11.37		2.0
9	Nitrobenzene		14.23		2.0
10	Isophorone		16.93		2.0
11	bis(2-Chloroethoxy)methane		15.36		2.0
12	1,2,4-Trichlorobenzene		14.70		2.0
13	Naphthalene		16.52		2.0
14	Hexachlorobutadiene		12.64		2.0
15	2-Chloronaphthalene		17.82		2.0
16	Dimethylphthalate		15.68		2.0
17	2,6-Dinitrotoluene		16.07		2.0
18	Acenaphthylene		14.75		2.0
19	Acenaphthene		17.16		2.0
20	2,4-Dinitrotoluene		13.70		2.0
21	Diethylphthalate		17.63		2.0
22	4-Chlorophenylphenylether		16.65		2.0
23	Fluorene		17.68		2.0
24	Azobenzene		14.98		2.0
25	n-Nitrosodiphenylamine		15.95		2.0
26	4-Bromophenylphenylether		17.43		2.0
27	Hexachlorobenzene		18.12		2.0
28	Phenanthrene		16.94		2.0
29	Anthracene		14.68		2.0
30	Di-n-butylphthalate		15.22		2.0
31	Fluoranthene		15.65		2.0
32	Pyrene		17.31		2.0
33	Butylbenzylphthalate		11.58		2.0
34	Benzo(a)anthracene		14.59		2.0
35	bis(2-Ethylhexyl)phthalate		10.21		2.0
36	Chrysene		16.52		2.0
37	Di-n-octylphthalate		8.06		2.0
38	Benzo(b)fluoranthene		15.53		2.0
39	Benzo(k)fluoranthene		16.68		2.0
40	Benzo(a)pyrene		10.97		2.0
41	Indeno(1,2,3-cd)pyrene		8.74		2.0
42	Dibenz(a,h)anthracene		12.30		2.0
43	Benzo(g,h,i)perylene		14.38		2.0

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/23/2002 Time: 13:56:04

Sample: AE11417
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/23/02 13:34 Ended: 5/23/02 13:34 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		41		2.0
2	bis(2-Chloroethyl)ether		73		2.0
3	1,3-Dichlorobenzene		67		2.0
4	1,4-Dichlorobenzene		68		2.0
5	1,2-Dichlorobenzene		75		2.0
6	2,2-oxybis(1-Chloropropane)		75		2.0
7	n-Nitrosodi-n-propylamine		73		2.0
8	Hexachloroethane		57		2.0
9	Nitrobenzene		71		2.0
10	Isophorone		85		2.0
11	bis(2-Chloroethoxy)methane		77		2.0
12	1,2,4-Trichlorobenzene		74		2.0
13	Naphthalene		83		2.0
14	Hexachlorobutadiene		63		2.0
15	2-Chloronaphthalene		89		2.0
16	Dimethylphthalate		78		2.0
17	2,6-Dinitrotoluene		80		2.0
18	Acenaphthylene		74		2.0
19	Acenaphthene		86		2.0
20	2,4-Dinitrotoluene		68		2.0
21	Diethylphthalate		88		2.0
22	4-Chlorophenylphenylether		83		2.0
23	Fluorene		88		2.0
24	Azobenzene		75		2.0
25	n-Nitrosodiphenylamine		80		2.0
26	4-Bromophenylphenylether		87		2.0
27	Hexachlorobenzene		91		2.0
28	Phenanthrene		85		2.0
29	Anthracene		73		2.0
30	Di-n-butylphthalate		76		2.0
31	Fluoranthene		78		2.0
32	Pyrene		87		2.0
33	[illegible]	[illegible]	[illegible]		[illegible]
34	Benzo(a)anthracene		73		2.0
35	[illegible]	[illegible]	[illegible]		[illegible]
36	Chrysene		83		2.0
37	[illegible]	[illegible]	[illegible]		[illegible]
38	Benzo(b)fluoranthene		78		2.0
39	Benzo(k)fluoranthene		83		2.0
40	Benzo(a)pyrene		55		2.0
41	Indeno(1,2,3-cd)pyrene		44		2.0
42	Dibenz(a,h)anthracene		62		2.0
43	Benzo(g,h,i)perylene		72		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF1.D Vial: 5
Acq On : 20 May 2002 4:33 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:55:25 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.93	152	4793897	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19429816	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10588622	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15425420	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11043575	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7033346	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2393566	37.23	ug/L	0.00
Spiked Amount 40.000			Recovery = 93.08%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.87	74	721625	7.35	ug/L #	78
3) bis(2-Chloroethyl)ether	9.34	93	2754729	14.69	ug/L	88
4) 1,3-Dichlorobenzene	9.76	146	2522148	13.21	ug/L	98
5) 1,4-Dichlorobenzene	9.98	146	2638622	13.44	ug/L	99
6) 1,2-Dichlorobenzene	10.35	146	2587494	14.82	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.81	45	4442815m	15.37	ug/L	
8) N-nitroso-di-propylamine	11.13	70	1943366	14.61	ug/L	97
9) Hexachloroethane	11.26	117	789286	10.90	ug/L	91
11) Nitrobenzene	11.49	77	2674819	14.23	ug/L	94
12) Isophorone	12.20	82	5731975	16.93	ug/L	98
13) bis(2-Chloroethoxy) methan	12.94	93	3446124	15.36	ug/L	98
14) 1,2,4-Trichlorobenzene	13.30	180	2092172	14.70	ug/L	99
15) Napthalene	13.49	128	8596617	16.52	ug/L	98
16) Hexachlorobutadiene	13.93	225	843116	12.64	ug/L	98
18) 2-Chloronaphthalene	16.93	162	4812059	17.82	ug/L	99
19) Dimethylphthalate	18.00	163	5428026	15.68	ug/L	99
20) 2,6-Dinitrotoluene	18.11	165	874318	16.07	ug/L	94
21) Acenapthylene	18.13	152	7368223	14.75	ug/L	97
22) Acenapthalene	18.66	153	4939874	17.16	ug/L	97
23) 2,4-Dinitrotoluene	19.27	165	1054435	13.70	ug/L	94
24) Diethylphthalate	20.14	149	5306398	17.63	ug/L	99
25) 4-Chlorophenyl-phenylether	20.33	204	2648931	16.65	ug/L	97
26) Fluorene	20.20	166	5822153	17.68	ug/L	96
28) Azobenzene	20.78	77	5951031	14.98	ug/L	94
30) Nnitrosodiphenylamine	20.69	169	3019719	15.95	ug/L	95
31) 4-Bromophenyl-phenylether	21.76	248	1327988	17.43	ug/L	100
32) Hexachlorobenzene	21.79	284	1321659	18.12	ug/L	97
33) Phenanthrene	23.02	178	7880982	16.94	ug/L	97
34) Anthracene	23.17	178	6988959	14.68	ug/L	97
35) Di-n-butylphthalate	25.09	149	7777854	15.22	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF1.D Vial: 5
Acq On : 20 May 2002 4:33 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:55:25 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

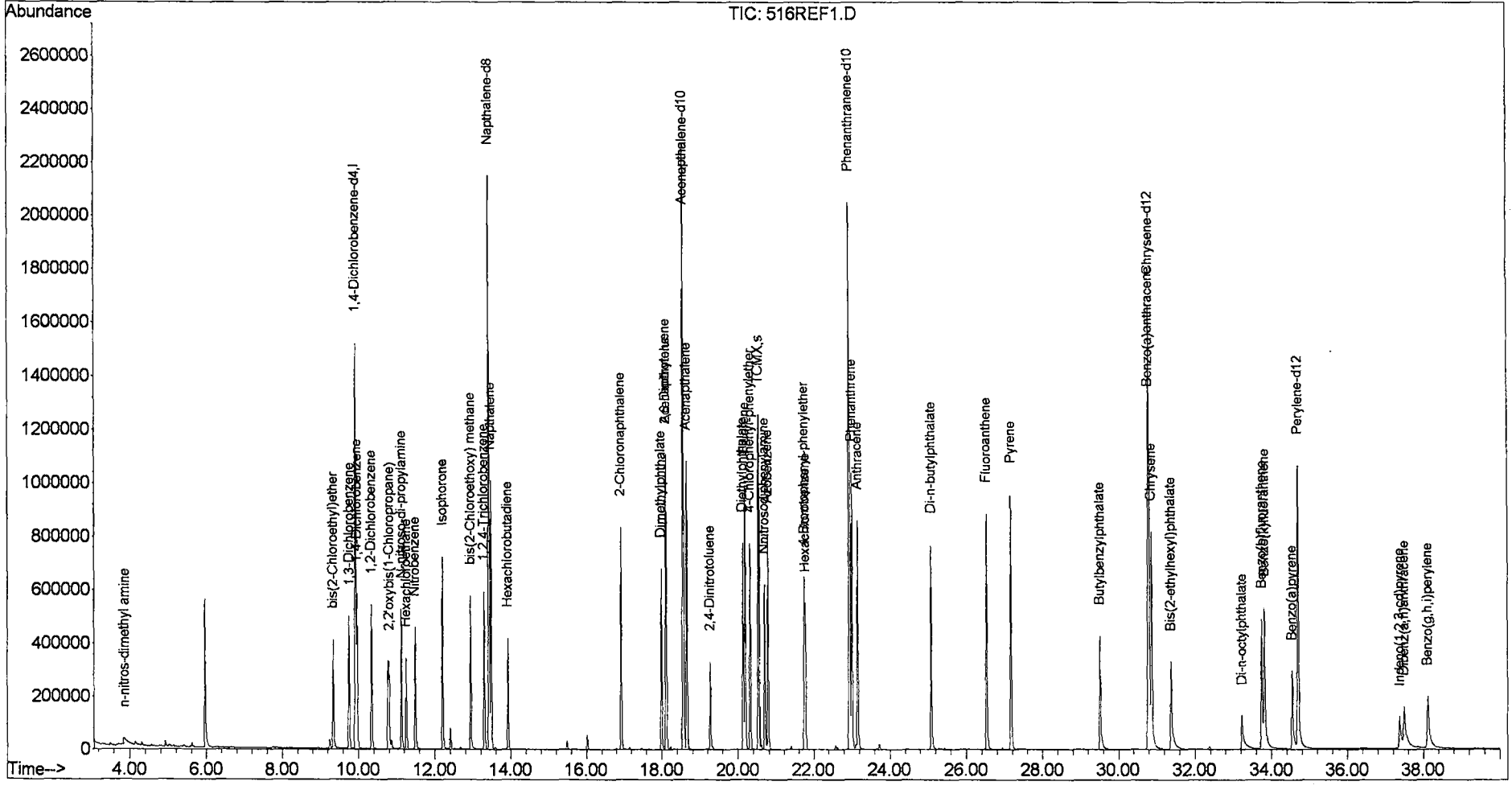
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36)	Fluoroanthene	26.53	202	7465487	15.65	ug/L	99
38)	Pyrene	27.17	202	7846295	17.31	ug/L	97
39)	Butylbenzylphthalate	29.52	149	2339526	11.58	ug/L	94
40)	Benzo(a)anthracene	30.78	228	5266848	14.59	ug/L	97
41)	Bis(2-ethylhexyl)phthalate	31.38	149	2788253	10.21	ug/L	97
42)	Chrysene	30.88	228	6173327m	16.52	ug/L	
44)	Di-n-octylphthalate	33.23	149	2453242	7.90	ug/L	98
45)	Benzo(b)fluoranthene	33.74	252	4027503	15.82	ug/L	98
46)	Benzo(k)fluoranthene	33.82	252	5469443	17.09	ug/L	99
47)	Benzo(a)pyrene	34.55	252	2787451m	10.97	ug/L	
48)	Indeno(1,2,3-cd)pyrene	37.38	276	1557327	8.74	ug/L	99
49)	Dibenz(a,h)anthracene	37.50	278	2331359	12.30	ug/L	99
50)	Benzo(g,h,i)perylene	38.12	276	2860446	14.38	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF1.D Vial: 5
Acq On : 20 May 2002 4:33 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:55 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF2.D Vial: 6
Acq On : 20 May 2002 5:22 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:56:08 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.93	152	4712222	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19154743	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10571686	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15556647	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11759544	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7880434	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2132153	33.22	ug/L	0.00
Spiked Amount 40.000			Recovery = 83.05%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.88	74	784309	8.12	ug/L #	80
3) bis(2-Chloroethyl)ether	9.35	93	2653441	14.39	ug/L	87
4) 1,3-Dichlorobenzene	9.76	146	2506150	13.35	ug/L	99
5) 1,4-Dichlorobenzene	9.98	146	2624773	13.60	ug/L	100
6) 1,2-Dichlorobenzene	10.35	146	2559327	14.92	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.81	45	4275776m	15.05	ug/L	
8) N-nitroso-di-propylamine	11.13	70	1865589	14.27	ug/L	95
9) Hexachloroethane	11.26	117	809428	11.37	ug/L	93
11) Nitrobenzene	11.49	77	2582085	13.94	ug/L	93
12) Isophorone	12.20	82	5511924	16.51	ug/L	98
13) bis(2-Chloroethoxy) methan	12.94	93	3290544	14.88	ug/L	98
14) 1,2,4-Trichlorobenzene	13.30	180	2046682	14.58	ug/L	98
15) Napthalene	13.49	128	8265838	16.11	ug/L	98
16) Hexachlorobutadiene	13.93	225	835470	12.71	ug/L	98
18) 2-Chloronaphthalene	16.93	162	4622751	17.15	ug/L	96
19) Dimethylphthalate	18.00	163	5210008	15.08	ug/L	99
20) 2,6-Dinitrotoluene	18.11	165	821240	15.12	ug/L	95
21) Acenapthylene	18.13	152	7019979	14.08	ug/L	97
22) Acenapthalene	18.66	153	4710230	16.38	ug/L	97
23) 2,4-Dinitrotoluene	19.27	165	1014813	13.20	ug/L	95
24) Diethylphthalate	20.14	149	5081133	16.91	ug/L	98
25) 4-Chlorophenyl-phenylether	20.33	204	2516884	15.85	ug/L	97
26) Fluorene	20.20	166	5546531	16.87	ug/L	97
28) Azobenzene	20.78	77	5681261	14.33	ug/L	95
30) Nnitrosodiphenylamine	20.69	169	2845885	14.91	ug/L	93
31) 4-Bromophenyl-phenylether	21.76	248	1269820	16.53	ug/L	99
32) Hexachlorobenzene	21.79	284	1258038	17.10	ug/L	98
33) Phenanthrene	23.01	178	7618367	16.23	ug/L	97
34) Anthracene	23.16	178	6897262	14.37	ug/L	97
35) Di-n-butylphthalate	25.09	149	7627114	14.80	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF2.D Vial: 6
Acq On : 20 May 2002 5:22 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:56:08 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
36) Fluoroanthene	26.53	202	7413852	15.41	ug/L	98
38) Pyrene	27.17	202	7780442	16.12	ug/L	98
39) Butylbenzylphthalate	29.52	149	2355177	10.95	ug/L	94
40) Benzo(a)anthracene	30.78	228	5408978	14.07	ug/L	98
41) Bis(2-ethylhexyl)phthalate	31.38	149	3005630	10.34	ug/L	97
42) Chrysene	30.88	228	5995545m	15.06	ug/L	
44) Di-n-octylphthalate	33.23	149	2803958	8.06	ug/L	99
45) Benzo(b)fluoranthene	33.74	252	4431258	15.53	ug/L	98
46) Benzo(k)fluoranthene	33.82	252	5981596	16.68	ug/L	99
47) Benzo(a)pyrene	34.55	252	2678609	9.41	ug/L	97
48) Indeno(1,2,3-cd)pyrene	37.38	276	1685820	8.44	ug/L	98
49) Dibenz(a,h)anthracene	37.50	278	2466000	11.61	ug/L	98
50) Benzo(g,h,i)perylene	38.12	276	2974589	13.34	ug/L	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\052002\516REF2.D Vial: 6
Acq On : 20 May 2002 5:22 pm Operator: Mclean
Sample : 5/16 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 22 15:56 2002 Quant Results File: 050102.RES

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 11:40:29 2002
Response via : Initial Calibration