User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 13:37:55

Sample: AE11379
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/21/02 13:09 Ended: 5/21/02 13:09 Analyst: MF
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		8.37		2.0
2	bis(2-Chloroethyl)ether		14.77		2.0
3	1,3-Dichlorobenzene		13.25		2.0
4	1,4-Dichlorobenzene		13.51		2.0
5	1,2-Dichlorobenzene		14.99		2.0
6	2,2-oxybis(1-Chloropropane)		15.28		2.0
7	n-Nitrosodi-n-propylamine		13.46		2.0
8	Hexachloroethane		11.09		2.0
9	Nitrobenzene		13.88		2.0
10	Isophorone		15.94		2.0
11	bis(2-Chloroethoxy)methane		15.34		2.0
12	1,2,4-Trichlorobenzene		15.20		2.0
13	Naphthalene		16.84		2.0
14	Hexachlorobutadiene		13.54		2.0
15	2-Chloronaphthalene		18.07		2.0
16	Dimethylphthalate		15.43		2.0
17	2,6-Dinitrotoluene		14.86		2.0
18	Acenaphthylene		14.79		2.0
19	Acenaphthene		17.34		2.0
20	2,4-Dinitrotoluene		14.19		2.0
21	Diethylphthalate		17.33		2.0
22	4-Chlorophenylphenylether		16.86		2.0
23	Fluorene		17.76		2.0
24	Azobenzene		14.33		2.0
25	n-Nitrosodiphenylamine		14.48		2.0
26	4-Bromophenylphenylether		17.60		2.0
27	Hexachlorobenzene		18.78		2.0
28	Phenanthrene		17.29		2.0
29	Anthracene		15.08		2.0
30	Di-n-butylphthalate		15.73		2.0
31	Fluoranthene		16.47		2.0
32	Pyrene		17.46		2.0
33	Butylbenzylphthalate		12.54		2.0
34	Benzo(a)anthracene		15.18		2.0
35	bis(2-Ethylhexyl)phthalate		11.09		2.0
36	Chrysene		16.84		2.0
37	Di-n-octylphthalate		10.17		2.0
38	Benzo(b)fluoranthene		17.53		2.0
39	Benzo(k)fluoranthene		17.00		2.0
40	Benzo(a)pyrene		11.75		2.0
41	Indeno(1,2,3-cd)pyrene		11.99		2.0
42	Dibenz(a,h)anthracene		14.89		2.0
43	Benzo(g,h,i)perylene		15.19		2.0

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 05/21/2002 Time: 13:38:14

Sample: AE11379
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/21/02 13:09 Ended: 5/21/02 13:09 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		42		2.0
2	bis(2-Chloroethyl)ether		74		2.0
3	1,3-Dichlorobenzene		66		2.0
4	1,4-Dichlorobenzene		68		2.0
5	1,2-Dichlorobenzene		75		2.0
6	2,2-oxybis(1-Chloropropane)		76		2.0
7	n-Nitrosodi-n-propylamine		67		2.0
8	Hexachloroethane		55		2.0
9	Nitrobenzene		69		2.0
10	Isophorone		80		2.0
11	bis(2-Chloroethoxy)methane		77		2.0
12	1,2,4-Trichlorobenzene		76		2.0
13	Naphthalene		84		2.0
14	Hexachlorobutadiene		68		2.0
15	2-Chloronaphthalene		90		2.0
16	Dimethylphthalate		77		2.0
17	2,6-Dinitrotoluene		74		2.0
18	Acenaphthylene		74		2.0
19	Acenaphthene		87		2.0
20	2,4-Dinitrotoluene		71		2.0
21	Diethylphthalate		87		2.0
22	4-Chlorophenylphenylether		84		2.0
23	Fluorene		89		2.0
24	Azobenzene		72		2.0
25	n-Nitrosodiphenylamine		72		2.0
26	4-Bromophenylphenylether		88		2.0
27	Hexachlorobenzene		94		2.0
28	Phenanthrene		86		2.0
29	Anthracene		75		2.0
30	Di-n-butylphthalate		79		2.0
31	Fluoranthene		82		2.0
32	Pyrene		87		2.0
33					
34	Benzo(a)anthracene		76		2.0
35					
36	Chrysene		84		2.0
37					
38	Benzo(b)fluoranthene		88		2.0
39	Benzo(k)fluoranthene		85		2.0
40	Benzo(a)pyrene		59		2.0
41	Indeno(1,2,3-cd)pyrene		60		2.0
42	Dibenz(a,h)anthracene		74		2.0
43	Benzo(g,h,i)perylene		76		2.0

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\0515REF1.D Vial: 17
Acq On : 18 May 2002 2:38 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 11:58:47 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	4980188	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	19898214	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	10814356	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	15644089	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	11447793	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	7272624	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2319845	35.33	ug/L	0.00
Spiked Amount 40.000			Recovery = 88.33%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.87	74	781153	7.65	ug/L #	73
3) bis(2-Chloroethyl)ether	9.35	93	2878751	14.77	ug/L	87
4) 1,3-Dichlorobenzene	9.76	146	2629359	13.25	ug/L	99
5) 1,4-Dichlorobenzene	9.98	146	2755191	13.51	ug/L	100
6) 1,2-Dichlorobenzene	10.35	146	2718240	14.99	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.81	45	4589363m	15.28	ug/L	
8) N-nitroso-di-propylamine	11.13	70	1858936	13.46	ug/L	94
9) Hexachloroethane	11.26	117	834574	11.09	ug/L	88
11) Nitrobenzene	11.49	77	2672145	13.88	ug/L	94
12) Isophorone	12.20	82	5528709	15.94	ug/L	97
13) bis(2-Chloroethoxy) methan	12.94	93	3524546	15.34	ug/L	99
14) 1,2,4-Trichlorobenzene	13.30	180	2215547	15.20	ug/L	98
15) Napthalene	13.49	128	8975573	16.84	ug/L	98
16) Hexachlorobutadiene	13.93	225	924906	13.54	ug/L	97
18) 2-Chloronaphthalene	16.93	162	4984231	18.07	ug/L	98
19) Dimethylphthalate	18.00	163	5454856	15.43	ug/L	99
20) 2,6-Dinitrotoluene	18.11	165	825877	14.86	ug/L	95
21) Acenapthylene	18.12	152	7542439	14.79	ug/L	97
22) Acenapthalene	18.66	153	5100593	17.34	ug/L	98
23) 2,4-Dinitrotoluene	19.27	165	970545	12.34	ug/L	95
24) Diethylphthalate	20.14	149	5324905	17.33	ug/L	98
25) 4-Chlorophenyl-phenylether	20.33	204	2739596	16.86	ug/L	96
26) Fluorene	20.20	166	5972348	17.76	ug/L	97
28) Azobenzene	20.78	77	5811828	14.33	ug/L	94
30) Nnitrosodiphenylamine	20.69	169	2779877	14.48	ug/L	93
31) 4-Bromophenyl-phenylether	21.76	248	1359878	17.60	ug/L	98
32) Hexachlorobenzene	21.79	284	1389186	18.78	ug/L	99
33) Phenanthrene	23.02	178	8160300	17.29	ug/L	97
34) Anthracene	23.16	178	7226539	14.97	ug/L	97
35) Di-n-butylphthalate	25.09	149	7524087	14.52	ug/L	99

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

NYC-WTC_000025082

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\0515REF1.D Vial: 17
Acq On : 18 May 2002 2:38 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 11:58:47 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	7811602	16.15	ug/L	97
38)	Pyrene	27.17	202	8257169	17.57	ug/L	98
39)	Butylbenzylphthalate	29.52	149	2193580	10.47	ug/L	95
40)	Benzo(a)anthracene	30.78	228	5493839	14.68	ug/L	98
41)	Bis(2-ethylhexyl)phthalate	31.38	149	2537776	8.97	ug/L	97
42)	Chrysene	30.87	228	6745300m	17.41	ug/L	
44)	Di-n-octylphthalate	33.23	149	2511794	7.82	ug/L	98
45)	Benzo(b)fluoranthene	33.74	252	4474375	16.99	ug/L	97
46)	Benzo(k)fluoranthene	33.82	252	5676801	17.16	ug/L	100
47)	Benzo(a)pyrene	34.54	252	2774535m	10.56	ug/L	
48)	Indeno(1,2,3-cd)pyrene	37.38	276	1893250	10.28	ug/L	99
49)	Dibenz(a,h)anthracene	37.50	278	2575541	13.14	ug/L	99
50)	Benzo(g,h,i)perylene	38.12	276	2990485	14.54	ug/L	99

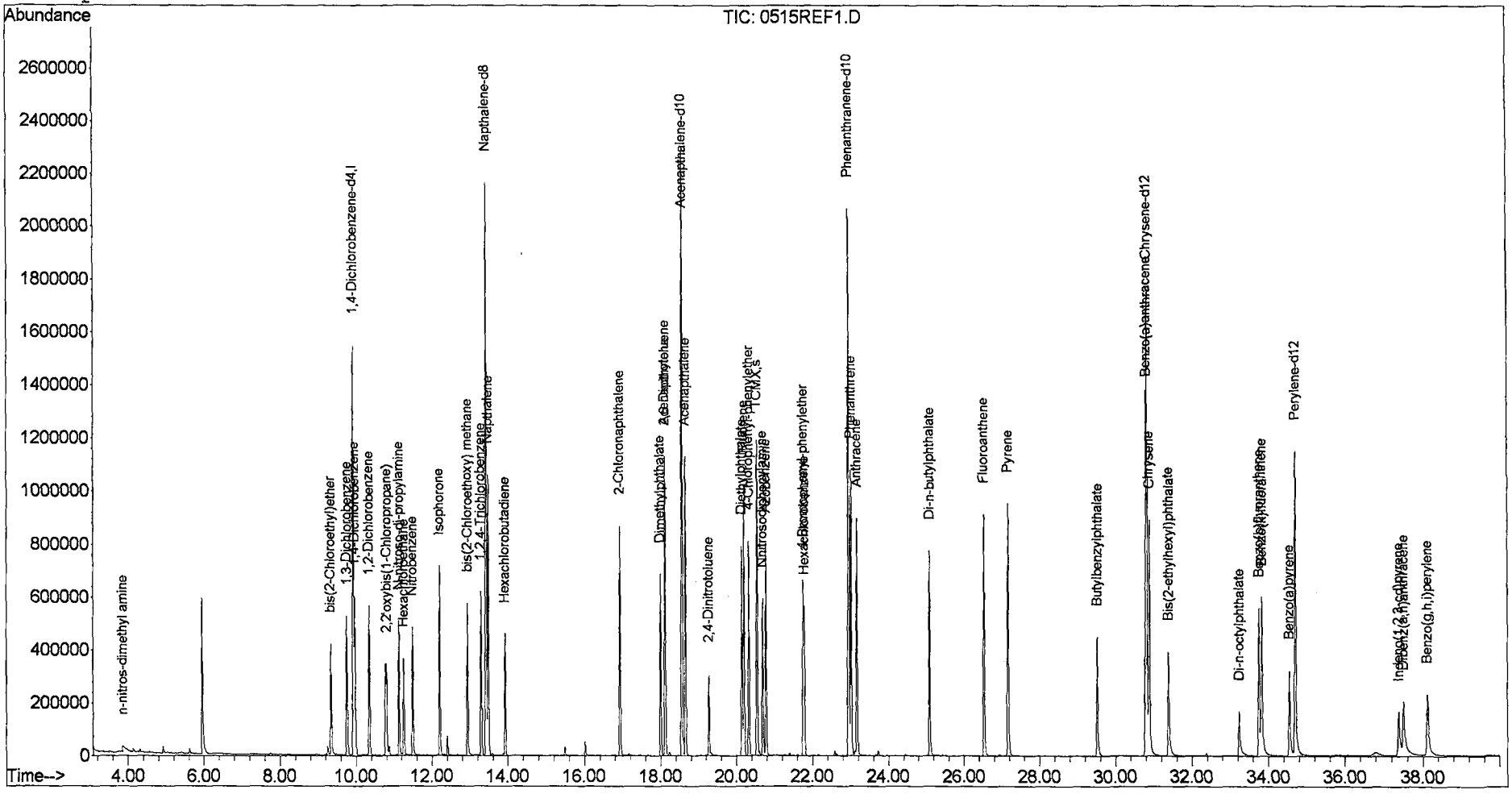
(#) = qualifier out of range (m) = manual integration (+) = signals summed

NYC-WTC_000025083

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\0515REF1.D Vial: 17
Acq On : 18 May 2002 2:38 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time:.May 21 11:59 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



0515REF1.D 050102.M Tue May 21 11:59:48 2002 Page 3

NYC 9/11 Public Portal Document

NYC-WTC_000025084

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\0515REF2.D Vial: 18
Acq On : 18 May 2002 3:27 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 11:59:57 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	9.94	152	6156943	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	24509274	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	13364909	40.00	ug/L	0.00
29) Phenanthranene-d10	22.95	188	19642254	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	14682540	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	9727196	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2859473	35.24	ug/L	0.00
Spiked Amount 40.000			Recovery = 88.10%			
Target Compounds						Qvalue
2) n-nitros-dimethyl amine	3.87	74	1055824	8.37	ug/L #	85
3) bis(2-Chloroethyl)ether	9.35	93	3516925	14.60	ug/L	87
4) 1,3-Dichlorobenzene	9.76	146	3188239	13.00	ug/L	99
5) 1,4-Dichlorobenzene	9.98	146	3342111	13.25	ug/L	99
6) 1,2-Dichlorobenzene	10.36	146	3267552	14.58	ug/l	99
7) 2,2'oxybis(1-Chloropropane	10.81	45	5649349m	15.21	ug/L	
8) N-nitroso-di-propylamine	11.13	70	2407004	14.09	ug/L	96
9) Hexachloroethane	11.26	117	1021918	10.99	ug/L	89
11) Nitrobenzene	11.49	77	3381715	14.26	ug/L	94
12) Isophorone	12.21	82	7126714	16.69	ug/L	99
13) bis(2-Chloroethoxy) methan	12.94	93	4331755	15.31	ug/L	99
14) 1,2,4-Trichlorobenzene	13.30	180	2662473	14.83	ug/L	99
15) Napthalene	13.49	128	10797189	16.44	ug/L	98
16) Hexachlorobutadiene	13.93	225	1122531	13.34	ug/L	95
18) 2-Chloronaphthalene	16.93	162	6051302	17.75	ug/L	97
19) Dimethylphthalate	18.01	163	6843075	15.66	ug/L	99
20) 2,6-Dinitrotoluene	18.12	165	1105313	16.10	ug/L	93
21) Acenapthylene	18.13	152	9256039	14.68	ug/L	97
22) Acenapthalene	18.66	153	6159057	16.95	ug/L	97
23) 2,4-Dinitrotoluene	19.27	165	1379320	14.19	ug/L	93
24) Diethylphthalate	20.14	149	6670430	17.56	ug/L	98
25) 4-Chlorophenyl-phenylether	20.33	204	3307631	16.47	ug/L	98
26) Fluorene	20.20	166	7316927	17.60	ug/L	98
28) Azobenzene	20.78	77	7350892	14.66	ug/L	92
30) Nnitrosodiphenylamine	20.69	169	3651301	15.15	ug/L	94
31) 4-Bromophenyl-phenylether	21.76	248	1684147	17.36	ug/L	99
32) Hexachlorobenzene	21.79	284	1692394	18.22	ug/L	96
33) Phenanthrene	23.02	178	10068228	16.99	ug/L	97
34) Anthracene	23.17	178	9141666	15.08	ug/L	97
35) Di-n-butylphthalate	25.09	149	10234155	15.73	ug/L	100

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

NYC-WTC_000025085

NYC 9/11 Public Portal Document

Data File : C:\MSDCHEM\1\DATA\051702\0515REF2.D Vial: 18
Acq On : 18 May 2002 3:27 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 11:59:57 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	26.54	202	10007971	16.47	ug/L	98
38)	Pyrene	27.17	202	10522220	17.46	ug/L	97
39)	Butylbenzylphthalate	29.52	149	3368247	12.54	ug/L	93
40)	Benzo(a)anthracene	30.78	228	7283393	15.18	ug/L	97
41)	Bis(2-ethylhexyl)phthalate	31.38	149	4025994	11.09	ug/L	96
42)	Chrysene	30.88	228	8369109m	16.84	ug/L	
44)	Di-n-octylphthalate	33.23	149	4366201	10.17	ug/L	99
45)	Benzo(b)fluoranthene	33.75	252	6174040	17.53	ug/L	97
46)	Benzo(k)fluoranthene	33.82	252	7524737	17.00	ug/L	99
47)	Benzo(a)pyrene	34.54	252	4131231m	11.75	ug/L	
48)	Indeno(1,2,3-cd)pyrene	37.38	276	2953719	11.99	ug/L	99
49)	Dibenz(a,h)anthracene	37.50	278	3902104	14.89	ug/L	99
50)	Benzo(g,h,i)perylene	38.13	276	4179941	15.19	ug/L	98

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

NYC-WTC_000025086

NYC-WTC_000025087

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\051702\0515REF2.D Vial: 18
Acq On : 18 May 2002 3:27 am Operator: Mclean
Sample : 5/15 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 21 12:00 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