User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 12:45:18

Sample: AE06800
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/22/02 12:30 Ended: 4/6/02 12:30 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		6.71		2.0
2	bis(2-Chloroethyl)ether		12.06		2.0
3	1,3-Dichlorobenzene		8.16		2.0
4	1,4-Dichlorobenzene		8.84		2.0
5	1,2-Dichlorobenzene		8.61		2.0
6	2,2-oxybis(1-Chloropropane)		12.36		2.0
7	n-Nitrosodi-n-propylamine		11.07		2.0
8	Hexachloroethane		7.61		2.0
9	Nitrobenzene		8.65		2.0
10	Isophorone		10.58		2.0
11	bis(2-Chloroethoxy)methane		10.85		2.0
12	1,2,4-Trichlorobenzene		9.28		2.0
13	Naphthalene		11.54		2.0
14	Hexachlorobutadiene		5.97		2.0
15	2-Chloronaphthalene		9.73		2.0
16	Dimethylphthalate		11.88		2.0
17	2,6-Dinitrotoluene		9.92		2.0
18	Acenaphthylene		10.78		2.0
19	Acenaphthene		11.66		2.0
20	2,4-Dinitrotoluene		8.13		2.0
21	Diethylphthalate		13.67		2.0
22	4-Chlorophenylphenylether		11.30		2.0
23	Fluorene		12.52		2.0
24	Azobenzene/1,2-Diphenylhydr		10.97		2.0
25	n-Nitrosodiphenylamine		8.21		2.0
26	4-Bromophenylphenylether		11.46		2.0
27	Hexachlorobenzene		11.49		2.0
28	Phenanthrene		12.52		2.0
29	Anthracene		11.36		2.0
30	Di-n-butylphthalate		13.45		2.0
31	Fluoranthene		12.13		2.0
32	Pyrene		11.10		2.0
33	Butylbenzylphthalate		11.29		2.0
34	Benzo(a)anthracene		11.26		2.0
35	bis(2-Ethylhexyl)phthalate		12.50		2.0
36	Chrysene		12.39		2.0
37	Di-n-octylphthalate		9.39		2.0
38	Benzo(b)fluoranthene		11.00		2.0
39	Benzo(k)fluoranthene		11.79		2.0
40	Benzo(a)pyrene		8.69		2.0
41	Indeno(1,2,3-cd)pyrene		9.40		2.0
42	Dibenz(a,h)anthracene		11.30		2.0
43	Benzo(g,h,i)perylene		11.99		2.0

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 12:45:30

Sample: AE06800
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/22/02 12:30 Ended: 4/6/02 12:30 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		67		2.0
2	bis(2-Chloroethyl)ether	USPEC	120		2.0
3	1,3-Dichlorobenzene		82		2.0
4	1,4-Dichlorobenzene		88		2.0
5	1,2-Dichlorobenzene		86		2.0
6	2,2-oxybis(1-Chloropropane)		120		2.0
7	n-Nitrosodi-n-propylamine		110		2.0
8	Hexachloroethane		76		2.0
9	Nitrobenzene		86		2.0
10	Isophorone		110		2.0
11	bis(2-Chloroethoxy)methane	USPEC	110		2.0
12	1,2,4-Trichlorobenzene		93		2.0
13	Naphthalene	USPEC	120		2.0
14	Hexachlorobutadiene		60		2.0
15	2-Chloronaphthalene		97		2.0
16	Dimethylphthalate		120		2.0
17	2,6-Dinitrotoluene		99		2.0
18	Acenaphthylene		110		2.0
19	Acenaphthene	USPEC	120		2.0
20	2,4-Dinitrotoluene		81		2.0
21	Diethylphthalate	USPEC	140		2.0
22	4-Chlorophenylphenylether		110		2.0
23	Fluorene		130		2.0
24	Azobenzene/1,2-Diphenylhydr		110		2.0
25	n-Nitrosodiphenylamine		82		2.0
26	4-Bromophenylphenylether		110		2.0
27	Hexachlorobenzene		110		2.0
28	Phenanthrene		130		2.0
29	Anthracene		110		2.0
30	Di-n-butylphthalate		130		2.0
31	Fluoranthene		120		2.0
32	Pyrene		110		2.0
33	Butylbenzylphthalate	USPEC	110		2.0
34	Benzo(a)anthracene		110		2.0
35	bis(2-Ethylhexyl)phthalate	USPEC	120		2.0
36	Chrysene		120		2.0
37	Di-n-octylphthalate		94		2.0
38	Benzo(b)fluoranthene		110		2.0
39	Benzo(k)fluoranthene		120		2.0
40	Benzo(a)pyrene		87		2.0
41	Indeno(1,2,3-cd)pyrene		94		2.0
42	Dibenz(a,h)anthracene		110		2.0
43	Benzo(g,h,i)perylene	USPEC	120		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFE0405.D Vial: 39
Acq On : 7 Apr 2002 3:02 am Operator: Bohlk
Sample : REF1 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:46:34 2002 Quant Results File: 5080402.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.46	152	850536	20.00	ug/L	-0.01
10) Naphthalene-d8	12.93	136	3682447	20.00	ug/L	-0.01
17) Acenaphthene-d10	18.05	164	2126051	20.00	ug/L	0.00
29) Phenanthrene-d10	22.41	188	3033139	20.00	ug/L	-0.01
38) Chrysene-d12	30.23	240	2391965	20.00	ug/L	-0.02
44) Perylene-d12	34.11	264	1516055	20.00	ug/L	-0.01
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	204538	6.79	ug/L	0.00
Spiked Amount 5.000			Recovery = 135.80%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.56	74	244919m	7.55	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	536661	11.35	ug/L	83
4) 1,3 - Dichlorobenze	9.29	146	392424	9.18	ug/L	95
5) 1,4 - Dichlorobenzene	9.50	146	404138	9.66	ug/L	95
6) 1,2 - Dichlorobenzene	9.88	146	361148	9.28	ug/L	98
7) 2,2 ' - oxybis (1-Chloropr	10.34	45	893321	12.24	ug/L	93
8) N-Nitroso-di-n-propylamine	10.67	70	408870	11.36	ug/L	94
9) Hexachloroethane	10.77	117	141009	8.78	ug/L	91
11) Nitrobenzene	11.02	77	475056	8.10	ug/L	98
12) Isophorone	11.73	82	1156460	10.93	ug/L	98
13) bis(2-Chloroethoxy) methan	12.47	93	687974	10.72	ug/L	98
14) 1,2,4-Trichlorobenzene	12.81	180	324009	10.17	ug/L	97
15) Naphthalene	12.99	128	1485874	11.69	ug/L	99
16) Hexachlorobutadiene	13.44	225	114332	7.25	ug/L	97
18) Hexachlorocyclopentadiene	15.52	237	15122	1.32	ug/L	92
19) 2-chloronaphthalene	16.42	162	754558	10.29	ug/L	98
20) Dimethylphthalate	17.51	163	1077494	12.61	ug/L	99
21) 2,6-Dinitrotoluene	17.62	165	179209	9.92	ug/L	93
22) Acenaphthylene	17.60	152	1131498	11.23	ug/L	99
23) Acenaphthene	18.14	153	897183	12.57	ug/L	99
24) 2,4-Dinitrotoluene	18.77	165	196917	7.92	ug/L	91
25) Diethylphthalate	19.64	149	1065501	14.78	ug/L	98
26) 4-Chlorophenyl-phenyl ethe	19.81	204	475535	12.78	ug/L	99
27) Fluorene	19.67	166	1107249	13.62	ug/L	100
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	1492268	11.63	ug/L	93
30) N-Nitrosodiphenylamine	20.18	169	471949	8.86	ug/L	93
31) 4-Bromophenyl-phenyl ether	21.23	248	234560	12.94	ug/L	91
32) Hexachlorobenzene	21.26	284	222861	12.78	ug/L	80
33) Phenanthrene	22.47	178	1544880	13.81	ug/L	99
34) Anthracene	22.62	178	1335971	12.27	ug/L	97
35) Di-n-butylphthalate	24.57	149	1863526	14.72	ug/L	98
36) Fluoranthene	25.97	202	1518661	13.02	ug/L	82
39) Pyrene	26.60	202	1685424	12.06	ug/L	87
40) Butylbenzylphthalate	28.98	149	722164	11.92	ug/L	89
41) Benzo (a) antracene	30.21	228	1174291	12.26	ug/L	99
42) Bis (2-ethylhexyl) phthala	30.85	149	1068221	13.70	ug/L	97
43) Chrysene	30.29	228	1282128	13.97	ug/L	98
45) Di-n-Octylphthalate	32.70	149	1425323	9.81	ug/L	100
46) Benzo (b) fluoranthene	33.16	252	956423	11.67	ug/L	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFE0405.D Vial: 39
Acq On : 7 Apr 2002 3:02 am Operator: Bohlk
Sample : REF1 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:46:34 2002 Quant Results File: 5080402.RES

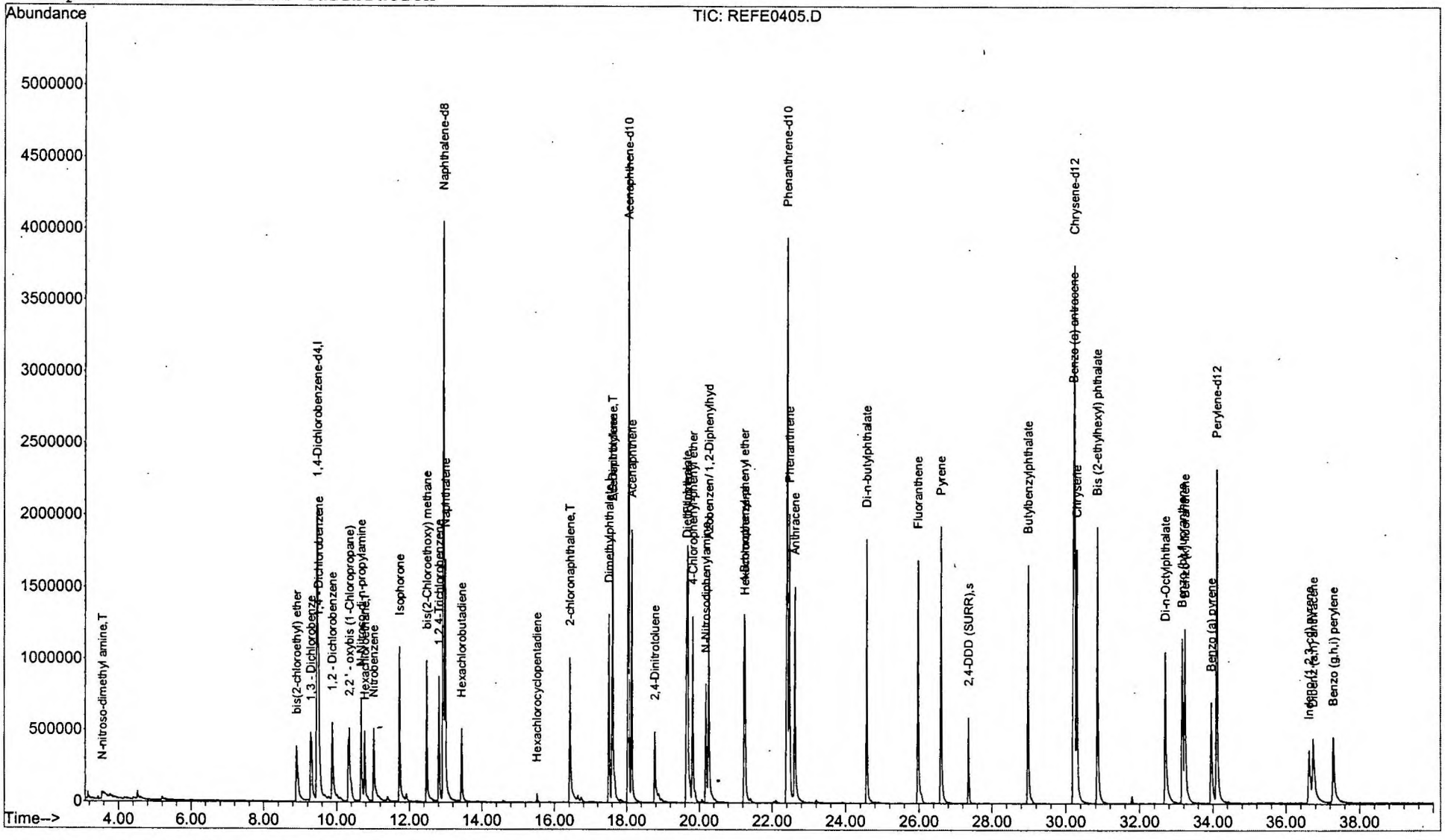
Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) Benzo (k) fluoranthene	33.23	252	1130996	12.99	ug/L	91
48) Benzo (a) pyrene	33.95	252	692174	9.58	ug/L	91
49) Indeno (1,2,3-cd) pyrene	36.62	276	413247	10.74	ug/L	81
50) Dibenz (a,h) anthracene	36.75	278	485090	12.68	ug/L	80
51) Benzo (g,h,i) perylene	37.29	276	530445	13.57	ug/L	75

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

Data File : C:\MSDCHEM\1\DATA\040502\REFE0405.D Vial: 39
Acq On : 7 Apr 2002 3:02 am Operator: Bohlk
Sample : REF1 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:47 2002 Quant Results File: 5080402.RES

Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFF0405.D Vial: 40
Acq On : 7 Apr 2002 3:51 am Operator: Bohlk
Sample : REF2 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:47:38 2002 Quant Results File: 5080402.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.46	152	1133596	20.00	ug/L	-0.01
10) Naphthalene-d8	12.94	136	4993025	20.00	ug/L	0.00
17) Acenaphthene-d10	18.05	164	2912874	20.00	ug/L	0.00
29) Phenanthrene-d10	22.41	188	4216780	20.00	ug/L	-0.01
38) Chrysene-d12	30.24	240	3273568	20.00	ug/L	-0.01
44) Perylene-d12	34.11	264	1997570	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	248328	5.93	ug/L	0.00
Spiked Amount 5.000			Recovery = 118.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.53	74	290361m	6.71	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	759793	12.06	ug/L	81
4) 1,3 - Dichlorobenze	9.29	146	465197	8.16	ug/L	99
5) 1,4 - Dichlorobenzene	9.51	146	492973	8.84	ug/L	99
6) 1,2 - Dichlorobenzene	9.88	146	446352	8.61	ug/L	92
7) 2,2 ' - oxybis (1-Chloropr	10.34	45	1202311	12.36	ug/L	93
8) N-Nitroso-di-n-propylamine	10.67	70	530890	11.07	ug/L	94
9) Hexachloroethane	10.76	117	162828	7.61	ug/L	93
11) Nitrobenzene	11.01	77	687334	8.65	ug/L	97
12) Isophorone	11.73	82	1518527	10.58	ug/L	98
13) bis(2-Chloroethoxy) methan	12.47	93	944014	10.85	ug/L	97
14) 1,2,4-Trichlorobenzene	12.82	180	401128	9.28	ug/L	98
15) Naphthalene	12.99	128	1988681	11.54	ug/L	98
16) Hexachlorobutadiene	13.44	225	127700	5.97	ug/L	94
18) Hexachlorocyclopentadiene	15.52	237	18469	1.18	ug/L	90
19) 2-chloronaphthalene	16.42	162	978360	9.73	ug/L	98
20) Dimethylphthalate	17.52	163	1390620	11.88	ug/L	99
21) 2,6-Dinitrotoluene	17.62	165	245451	9.92	ug/L	97
22) Acenaphthylene	17.60	152	1488935	10.78	ug/L	98
23) Acenaphthene	18.14	153	1139531	11.66	ug/L	100
24) 2,4-Dinitrotoluene	18.77	165	276945	8.13	ug/L	99
25) Diethylphthalate	19.64	149	1350212	13.67	ug/L	98
26) 4-Chlorophenyl-phenyl ethe	19.81	204	575918	11.30	ug/L	98
27) Fluorene	19.67	166	1394166	12.52	ug/L	98
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	1927469	10.97	ug/L	95
30) N-Nitrosodiphenylamine	20.18	169	607921	8.21	ug/L	98
31) 4-Bromophenyl-phenyl ether	21.23	248	288920	11.46	ug/L	95
32) Hexachlorobenzene	21.26	284	278570	11.49	ug/L	80
33) Phenanthrene	22.47	178	1947359	12.52	ug/L	99
34) Anthracene	22.62	178	1718273	11.36	ug/L	99
35) Di-n-butylphthalate	24.57	149	2367568	13.45	ug/L	99
36) Fluoranthene	25.98	202	1966353	12.13	ug/L	85
39) Pyrene	26.60	202	2123040	11.10	ug/L	88
40) Butylbenzylphthalate	28.98	149	936138	11.29	ug/L	90
41) Benzo (a) antracene	30.21	228	1476565	11.26	ug/L	99
42) Bis (2-ethylhexyl) phthala	30.85	149	1334751	12.50	ug/L	98
43) Chrysene	30.30	228	1556170	12.39	ug/L	99
45) Di-n-Octylphthalate	32.70	149	1798154	9.39	ug/L	100
46) Benzo (b) fluoranthene	33.16	252	1187962	11.00	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFF0405.D Vial: 40
Acq On : 7 Apr 2002 3:51 am Operator: Bohlk
Sample : REF2 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:47:38 2002 Quant Results File: 5080402.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) Benzo (k) fluoranthene	33.23	252	1352679	11.79	ug/L	92
48) Benzo (a) pyrene	33.95	252	827169	8.69	ug/L	92
49) Indeno (1,2,3-cd) pyrene	36.62	276	476566	9.40	ug/L	84
50) Dibenz (a,h) anthracene	36.74	278	569275	11.30	ug/L	84
51) Benzo (g,h,i) perylene	37.29	276	617497	11.99	ug/L	76

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

Data File : C:\MSDCHEM\1\DATA\040502\REFF0405.D Vial: 40
Acq On : 7 Apr 2002 3:51 am Operator: Bohlk
Sample : REF2 3/22/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:47 2002 Quant Results File: 5080402.RES

Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration