User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/09/2002 Time: 12:43:09

Sample: AE06049
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/15/02 12:32 Ended: 4/5/02 12:32 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		4.66		2.0
2	bis(2-Chloroethyl)ether		8.17		2.0
3	1,3-Dichlorobenzene		6.33		2.0
4	1,4-Dichlorobenzene		6.60		2.0
5	1,2-Dichlorobenzene		6.35		2.0
6	2,2-oxybis(1-Chloropropane)		8.63		2.0
7	n-Nitrosodi-n-propylamine		8.24		2.0
8	Hexachloroethane		6.06		2.0
9	Nitrobenzene		5.81		2.0
10	Isophorone		7.74		2.0
11	bis(2-Chloroethoxy)methane		7.56		2.0
12	1,2,4-Trichlorobenzene		6.80		2.0
13	Naphthalene		8.13		2.0
14	Hexachlorobutadiene		5.26		2.0
15	2-Chloronaphthalene		7.06		2.0
16	Dimethylphthalate		8.74		2.0
17	2,6-Dinitrotoluene		6.79		2.0
18	Acenaphthylene		7.99		2.0
19	Acenaphthene		8.47		2.0
20	2,4-Dinitrotoluene		5.44		2.0
21	Diethylphthalate		9.94		2.0
22	4-Chlorophenylphenylether		8.13		2.0
23	Fluorene		9.13		2.0
24	Azobenzene/1,2-Diphenylhydr		8.10		2.0
25	n-Nitrosodiphenylamine		7.05		2.0
26	4-Bromophenylphenylether		8.31		2.0
27	Hexachlorobenzene		8.58		2.0
28	Phenanthrene		9.23		2.0
29	Anthracene		8.51		2.0
30	Di-n-butylphthalate		9.53		2.0
31	Fluoranthene		9.13		2.0
32	Pyrene		8.02		2.0
33	Butylbenzylphthalate		7.43		2.0
34	Benzo(a)anthracene		7.72		2.0
35	bis(2-Ethylhexyl)phthalate		8.20		2.0
36	Chrysene		8.56		2.0
37	Di-n-octylphthalate		6.03		2.0
38	Benzo(b)fluoranthene		7.47		2.0
39	Benzo(k)fluoranthene		8.32		2.0
40	Benzo(a)pyrene		6.14		2.0
41	Indeno(1,2,3-cd)pyrene		6.18		2.0
42	Dibenz(a,h)anthracene		7.37		2.0
43	Benzo(g,h,i)perylene		8.16		2.0

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/09/2002 Time: 12:43:22

Sample: AE06049
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/15/02 12:32 Ended: 4/5/02 12:32 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		47		2.0
2	bis(2-Chloroethyl)ether		82		2.0
3	1,3-Dichlorobenzene		63		2.0
4	1,4-Dichlorobenzene		66		2.0
5	1,2-Dichlorobenzene		64		2.0
6	2,2-oxybis(1-Chloropropane)		86		2.0
7	n-Nitrosodi-n-propylamine		82		2.0
8	Hexachloroethane		61		2.0
9	Nitrobenzene		58		2.0
10	Isophorone		77		2.0
11	bis(2-Chloroethoxy)methane		76		2.0
12	1,2,4-Trichlorobenzene		68		2.0
13	Naphthalene		81		2.0
14	Hexachlorobutadiene		53		2.0
15	2-Chloronaphthalene		71		2.0
16	Dimethylphthalate		87		2.0
17	2,6-Dinitrotoluene		68		2.0
18	Acenaphthylene		80		2.0
19	Acenaphthene		85		2.0
20	2,4-Dinitrotoluene		54		2.0
21	Diethylphthalate		99		2.0
22	4-Chlorophenylphenylether		81		2.0
23	Fluorene		91		2.0
24	Azobenzene/1,2-Diphenylhydr		81		2.0
25	n-Nitrosodiphenylamine		70		2.0
26	4-Bromophenylphenylether		83		2.0
27	Hexachlorobenzene		86		2.0
28	Phenanthrene		92		2.0
29	Anthracene		85		2.0
30	Di-n-butylphthalate		95		2.0
31	Fluoranthene		91		2.0
32	Pyrene		80		2.0
33	Butylbenzylphthalate		74		2.0
34	Benzo(a)anthracene		77		2.0
35	bis(2-Ethylhexyl)phthalate		82		2.0
36	Chrysene		86		2.0
37	Di-n-octylphthalate		60		2.0
38	Benzo(b)fluoranthene		75		2.0
39	Benzo(k)fluoranthene		83		2.0
40	Benzo(a)pyrene		61		2.0
41	Indeno(1,2,3-cd)pyrene		62		2.0
42	Dibenz(a,h)anthracene		74		2.0
43	Benzo(g,h,i)perylene		82		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFA0405.D Vial: 5
Acq On : 5 Apr 2002 11:43 pm Operator: Bohlk
Sample : REF1 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:38:28 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	1500148	20.00	ug/L	-0.01
10) Naphthalene-d8	12.94	136	6645059	20.00	ug/L	0.00
17) Acenaphthene-d10	18.06	164	3722158	20.00	ug/L	0.00
29) Phenanthrene-d10	22.42	188	5364496	20.00	ug/L	0.00
38) Chrysene-d12	30.25	240	4187783	20.00	ug/L	0.00
44) Perylene-d12	34.12	264	2380057	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	218307	4.10	ug/L	0.00
Spiked Amount 5.000			Recovery = 82.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.54	74	266614m	4.66	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	681245	8.17	ug/L	83
4) 1,3 - Dichlorobenze	9.29	146	477643	6.33	ug/L	98
5) 1,4 - Dichlorobenzene	9.51	146	486768	6.60	ug/L	98
6) 1,2 - Dichlorobenzene	9.88	146	435726	6.35	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.35	45	1110517	8.63	ug/L	93
8) N-Nitroso-di-n-propylamine	10.67	70	523073	8.24	ug/L	96
9) Hexachloroethane	10.77	117	171729	6.06	ug/L	93
11) Nitrobenzene	11.02	77	614213	5.81	ug/L	95
12) Isophorone	11.73	82	1479052	7.74	ug/L	96
13) bis(2-Chloroethoxy) methan	12.47	93	875184	7.56	ug/L	99
14) 1,2,4-Trichlorobenzene	12.82	180	390967	6.80	ug/L	99
15) Naphthalene	12.99	128	1864902	8.13	ug/L	99
16) Hexachlorobutadiene	13.44	225	149815	5.26	ug/L	97
18) Hexachlorocyclopentadiene	15.52	237	25442	1.27	ug/L	82
19) 2-chloronaphthalene	16.42	162	906262	7.06	ug/L	99
20) Dimethylphthalate	17.52	163	1307504	8.74	ug/L	98
21) 2,6-Dinitrotoluene	17.62	165	214733	6.79	ug/L	97
22) Acenaphthylene	17.60	152	1409353	7.99	ug/L	99
23) Acenaphthene	18.14	153	1058523	8.47	ug/L	99
24) 2,4-Dinitrotoluene	18.77	165	236590	5.44	ug/L	91
25) Diethylphthalate	19.64	149	1254087	9.94	ug/L	99
26) 4-Chlorophenyl-phenyl ethe	19.81	204	529868	8.13	ug/L	98
27) Fluorene	19.67	166	1299401	9.13	ug/L	97
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	1819347	8.10	ug/L	92
30) N-Nitrosodiphenylamine	20.18	169	664065	7.05	ug/L	97
31) 4-Bromophenyl-phenyl ether	21.23	248	266428	8.31	ug/L	92
32) Hexachlorobenzene	21.26	284	264777	8.58	ug/L	84
33) Phenanthrene	22.47	178	1826135	9.23	ug/L	99
34) Anthracene	22.62	178	1637552	8.51	ug/L	99
35) Di-n-butylphthalate	24.58	149	2135343	9.53	ug/L	99
36) Fluoranthene	25.98	202	1883275	9.13	ug/L	85
39) Pyrene	26.61	202	1963326	8.02	ug/L	85
40) Butylbenzylphthalate	28.98	149	787960	7.43	ug/L	85
41) Benzo (a) antracene	30.21	228	1294669	7.72	ug/L	100
42) Bis (2-ethylhexyl) phthala	30.85	149	1119596	8.20	ug/L	98
43) Chrysene	30.31	228	1376091	8.56	ug/L	98
45) Di-n-Octylphthalate	32.70	149	1374730	6.03	ug/L	97
46) Benzo (b) fluoranthene	33.16	252	961423	7.47	ug/L	92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFA0405.D Vial: 5
Acq On : 5 Apr 2002 11:43 pm Operator: Bohlk
Sample : REF1 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:38:28 2002 Quant Results File: 5080402.RES

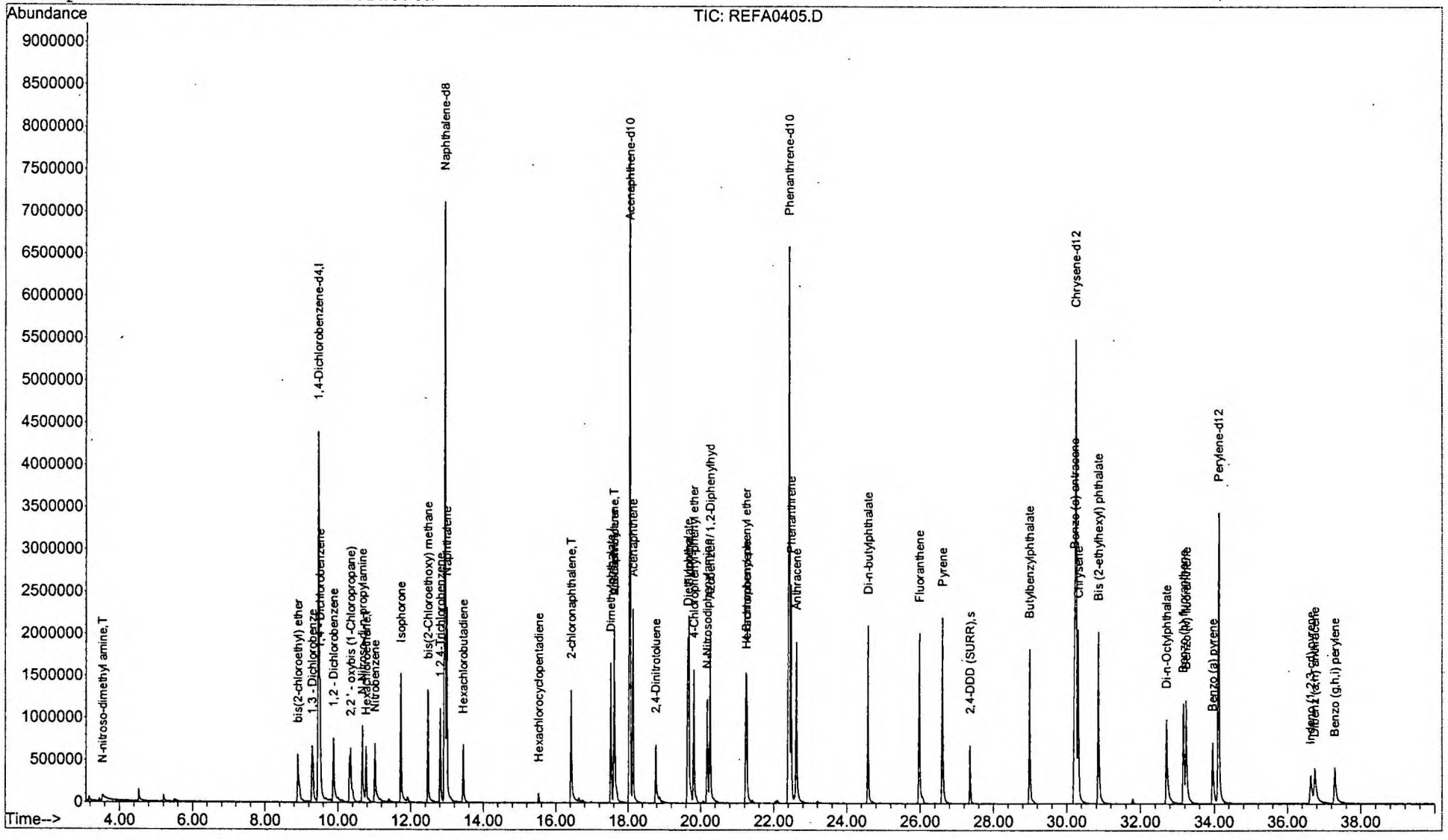
Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47)	Benzo (k) fluoranthene	33.23	252	1137676	8.32	ug/L	93
48)	Benzo (a) pyrene	33.96	252	696435	6.14	ug/L	88
49)	Indeno (1,2,3-cd) pyrene	36.63	276	373235	6.18	ug/L	81
50)	Dibenz (a,h) anthracene	36.74	278	442666	7.37	ug/L	85
51)	Benzo (g,h,i) perylene	37.29	276	500864	8.16	ug/L	72

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

Data File : C:\MSDCHEM\1\DATA\040502\REFA0405.D Vial: 5
Acq On : 5 Apr 2002 11:43 pm Operator: Bohlk
Sample : REF1 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:39 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\REFB0405.D Vial: 6
Acq On : 6 Apr 2002 12:32 am Operator: Bohlk
Sample : REF2 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:40:29 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	9.47	152	1374252	20.00	ug/L	0.00
10) Naphthalene-d8	12.94	136	5923393	20.00	ug/L	0.00
17) Acenaphthene-d10	18.06	164	3282359	20.00	ug/L	0.00
29) Phenanthrene-d10	22.42	188	4680980	20.00	ug/L	0.00
38) Chrysene-d12	30.24	240	3596152	20.00	ug/L	0.00
44) Perylene-d12	34.12	264	1990086	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	205980	4.43	ug/L	0.00
Spiked Amount 5.000			Recovery = 88.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.54	74	244105m	4.66	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	577437	7.56	ug/L	82
4) 1,3 - Dichlorobenze	9.29	146	415860	6.02	ug/L	99
5) 1,4 - Dichlorobenzene	9.51	146	424136	6.28	ug/L	95
6) 1,2 - Dichlorobenzene	9.88	146	390785	6.22	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.35	45	1024517	8.69	ug/L	94
8) N-Nitroso-di-n-propylamine	10.67	70	479529	8.24	ug/L	94
9) Hexachloroethane	10.77	117	151759	5.85	ug/L	93
11) Nitrobenzene	11.02	77	555311	5.89	ug/L	97
12) Isophorone	11.73	82	1365114	8.02	ug/L	99
13) bis(2-Chloroethoxy) methan	12.47	93	799859	7.75	ug/L	98
14) 1,2,4-Trichlorobenzene	12.82	180	350923	6.85	ug/L	97
15) Naphthalene	12.99	128	1664283	8.14	ug/L	98
16) Hexachlorobutadiene	13.44	225	126123	4.97	ug/L	98
18) Hexachlorocyclopentadiene	15.52	237	18057	1.02	ug/L	94
19) 2-chloronaphthalene	16.42	162	781159	6.90	ug/L	99
20) Dimethylphthalate	17.52	163	1177528	8.93	ug/L	99
21) 2,6-Dinitrotoluene	17.62	165	202133	7.25	ug/L	98
22) Acenaphthylene	17.60	152	1250151	8.03	ug/L	99
23) Acenaphthene	18.14	153	952932	8.65	ug/L	97
24) 2,4-Dinitrotoluene	18.77	165	222104	5.79	ug/L	95
25) Diethylphthalate	19.65	149	1165973	10.48	ug/L	96
26) 4-Chlorophenyl-phenyl ethe	19.81	204	511029	8.90	ug/L	96
27) Fluorene	19.67	166	1192694	9.50	ug/L	98
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	1679892	8.48	ug/L	93
30) N-Nitrosodiphenylamine	20.18	169	616765	7.51	ug/L	98
31) 4-Bromophenyl-phenyl ether	21.23	248	245410	8.77	ug/L	91
32) Hexachlorobenzene	21.26	284	239306	8.89	ug/L	82
33) Phenanthrene	22.47	178	1694055	9.81	ug/L	99
34) Anthracene	22.62	178	1463869	8.72	ug/L	99
35) Di-n-butylphthalate	24.58	149	1965173	10.06	ug/L	98
36) Fluoranthene	25.98	202	1668421	9.27	ug/L	83
39) Pyrene	26.60	202	1827359	8.70	ug/L	85
40) Butylbenzylphthalate	28.98	149	738449	8.11	ug/L	90
41) Benzo (a) antracene	30.21	228	1243088	8.63	ug/L	99
42) Bis (2-ethylhexyl) phthala	30.85	149	1044871	8.91	ug/L	98
43) Chrysene	30.31	228	1362391	9.87	ug/L	98
45) Di-n-Octylphthalate	32.70	149	1290473	6.77	ug/L	99
46) Benzo (b) fluoranthene	33.16	252	902382	8.39	ug/L	90

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFB0405.D Vial: 6
Acq On : 6 Apr 2002 12:32 am Operator: Bohlk
Sample : REF2 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:40:29 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	1091713	9.55	ug/L	93
48)	Benzo (a) pyrene	33.96	252	636288	6.71	ug/L	88
49)	Indeno (1,2,3-cd) pyrene	36.63	276	298587	5.91	ug/L	84
50)	Dibenz (a,h) anthracene	36.75	278	363617	7.24	ug/L	86
51)	Benzo (g,h,i) perylene	37.29	276	408020	7.95	ug/L	75

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

Data File : C:\MSDCHEM\1\DATA\040502\REFB0405.D Vial: 6
Acq On : 6 Apr 2002 12:32 am Operator: Bohlk
Sample : REF2 3/15/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:40 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