User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/24/2002 Time: 09:37:02

Sample: AE07173
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/27/02 09:27 Ended: 4/18/02 09:27 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		8.41		2.0
2	bis(2-Chloroethyl)ether		13.05		2.0
3	1,3-Dichlorobenzene		13.92		2.0
4	1,4-Dichlorobenzene		13.01		2.0
5	1,2-Dichlorobenzene		14.17		2.0
6	2,2-oxybis(1-Chloropropane)		16.09		2.0
7	n-Nitrosodi-n-propylamine		14.28		2.0
8	Hexachloroethane		12.39		2.0
9	Nitrobenzene		11.86		2.0
10	Isophorone		13.73		2.0
11	bis(2-Chloroethoxy)methane		12.83		2.0
12	1,2,4-Trichlorobenzene		13.92		2.0
13	Naphthalene		15.92		2.0
14	Hexachlorobutadiene		14.98		2.0
15	2-Chloronaphthalene		16.15		2.0
16	Dimethylphthalate		16.35		2.0
17	2,6-Dinitrotoluene		13.68		2.0
18	Acenaphthylene		13.25		2.0
19	Acenaphthene		17.05		2.0
20	2,4-Dinitrotoluene		10.52		2.0
21	Diethylphthalate		19.16		2.0
22	4-Chlorophenylphenylether		14.60		2.0
23	Fluorene		17.61		2.0
24	Azobenzene		14.70		2.0
25	n-Nitrosodiphenylamine		14.81		2.0
26	4-Bromophenylphenylether		14.44		2.0
27	Hexachlorobenzene		16.41		2.0
28	Phenanthrene		16.79		2.0
29	Anthracene		14.56		2.0
30	Di-n-butylphthalate		17.08		2.0
31	Fluoranthene		15.49		2.0
32	Pyrene		17.26		2.0
33	Butylbenzylphthalate		15.77		2.0
34	Benzo(a)anthracene		15.24		2.0
35	bis(2-Ethylhexyl)phthalate		19.22		2.0
36	Chrysene		16.12		2.0
37	Di-n-octylphthalate		12.26		2.0
38	Benzo(b)fluoranthene		14.64		2.0
39	Benzo(k)fluoranthene		18.12		2.0
40	Benzo(a)pyrene		12.29		2.0
41	Indeno(1,2,3-cd)pyrene		11.34		2.0
42	Dibenz(a,h)anthracene		14.15		2.0
43	Benzo(g,h,i)perylene		16.28		2.0

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/24/2002 Time: 09:37:32

Sample: AE07173
Analysis: SQ_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/27/02 09:27 Ended: 4/18/02 09:27 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		42		2.0
2	bis(2-Chloroethyl)ether		65		2.0
3	1,3-Dichlorobenzene		70		2.0
4	1,4-Dichlorobenzene		65		2.0
5	1,2-Dichlorobenzene		71		2.0
6	2,2-oxybis(1-Chloropropane)		80		2.0
7	n-Nitrosodi-n-propylamine		71		2.0
8	Hexachloroethane		62		2.0
9	Nitrobenzene		59		2.0
10	Isophorone		69		2.0
11	bis(2-Chloroethoxy)methane		64		2.0
12	1,2,4-Trichlorobenzene		70		2.0
13	Naphthalene		80		2.0
14	Hexachlorobutadiene	USPEC	75		2.0
15	2-Chloronaphthalene		81		2.0
16	Dimethylphthalate		82		2.0
17	2,6-Dinitrotoluene		68		2.0
18	Acenaphthylene		66		2.0
19	Acenaphthene		85		2.0
20	2,4-Dinitrotoluene		53		2.0
21	Diethylphthalate		96		2.0
22	4-Chlorophenylphenylether		73		2.0
23	Fluorene		88		2.0
24	Azobenzene		74		2.0
25	n-Nitrosodiphenylamine		74		2.0
26	4-Bromophenylphenylether		72		2.0
27	Hexachlorobenzene		82		2.0
28	Phenanthrene		84		2.0
29	Anthracene		73		2.0
30	Di-n-butylphthalate		85		2.0
31	Fluoranthene		77		2.0
32	Pyrene		86		2.0
33	Butylbenzylphthalate		79		2.0
34	Benzo(a)anthracene		76		2.0
35	bis(2-Ethylhexyl)phthalate		96		2.0
36	Chrysene		81		2.0
37	Di-n-octylphthalate		61		2.0
38	Benzo(b)fluoranthene		73		2.0
39	Benzo(k)fluoranthene		91		2.0
40	Benzo(a)pyrene		61		2.0
41	Indeno(1,2,3-cd)pyrene		57		2.0
42	Dibenz(a,h)anthracene		71		2.0
43	Benzo(g,h,i)perylene		81		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFA0418.D Vial: 6
Acq On : 18 Apr 2002 12:47 pm Operator: Bohlk
Sample : REF1 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:19:08 2002 Quant Results File: 5080402BBC.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	557474	40.00	ug/L	0.00
10) Naphthalene-d8	12.89	136	2376819	40.00	ug/L	0.00
17) Acenaphthene-d10	17.99	164	1309776	40.00	ug/L	0.00
30) Phenanthrene-d10	22.35	188	1876194	40.00	ug/L	0.00
39) Chrysene-d12	30.15	240	1484496	40.00	ug/L	0.00
45) Perylene-d12	34.02	264	917607	40.00	ug/L	0.00
System Monitoring Compounds						
28) TCMX (SURR)	19.95	244	28351	5.42	ug/L	0.00
Spiked Amount 4.000			Recovery = 135.50%			
38) 2,4-DDD (SURR)	0.00	235	0	0.00	ug/L	
Spiked Amount 10.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.50	74	135553m	8.41	ug/L	
3) bis(2-chloroethyl) ether	8.85	93	308495	13.05	ug/L	80
4) 1,3 - Dichlorobenze	9.24	146	268829	13.92	ug/L	99
5) 1,4 - Dichlorobenzene	9.45	146	269002	13.01	ug/L	96
6) 1,2 - Dichlorobenzene	9.83	146	239400	14.17	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.30	45	567465	16.09	ug/L	91
8) N-Nitroso-di-n-propylamine	10.62	70	240531	14.28	ug/L	94
9) Hexachloroethane	10.72	117	113897	12.39	ug/L	99
11) Nitrobenzene	10.97	77	273490	11.86	ug/L	96
12) Isophorone	11.68	82	630158	13.73	ug/L	97
13) bis(2-Chloroethoxy) methan	12.43	93	359212	12.83	ug/L	96
14) 1,2,4-Trichlorobenzene	12.76	180	214090	13.92	ug/L	97
15) Naphthalene	12.94	128	925570	15.92	ug/L	98
16) Hexachlorobutadiene	13.39	225	110999	14.98	ug/L	95
18) Hexachlorocyclopentadiene	15.47	237	23716	3.87	ug/L	84
19) 2-chloronaphthalene	16.36	162	428035	16.15	ug/L	98
20) Dimethylphthalate	17.46	163	615940	16.35	ug/L	97
21) 2,6-Dinitrotoluene	17.56	165	100363	13.68	ug/L	99
22) Acenaphthylene	17.55	152	641999	13.25	ug/L	98
23) Acenaphthene	18.08	153	522325	17.05	ug/L	99
24) 2,4-Dinitrotoluene	18.71	165	92938	10.52	ug/L	95
25) Diethylphthalate	19.58	149	599306	19.16	ug/L	99
26) 4-Chlorophenyl-phenyl ethe	19.75	204	252519	14.60	ug/L	98
27) Fluorene	19.61	166	622492	17.61	ug/L	98
29) Azobenzen/ 1,2-Diphenylhyd	20.20	77	799743	14.70	ug/L	97
31) N-Nitrosodiphenylamine	20.12	169	296299	14.81	ug/L	98
32) 4-Bromophenyl-phenyl ether	21.18	248	125315	14.44	ug/L	90
33) Hexachlorobenzene	21.19	284	133198	16.41	ug/L	90
34) Phenanthrene	22.40	178	872940	16.79	ug/L	99
35) Anthracene	22.56	178	772458	14.56	ug/L	97
36) Di-n-butylphthalate	24.51	149	1015375	17.08	ug/L	99
37) Fluoranthene	25.90	202	854044	15.49	ug/L	84
40) Pyrene	26.53	202	966008	17.26	ug/L	88
41) Butylbenzylphthalate	28.90	149	407841	15.77	ug/L	90
42) Benzo (a) antracene	30.12	228	688982	15.24	ug/L	99
43) Bis (2-ethylhexyl) phthala	30.77	149	706006	19.22	ug/L	99
44) Chrysene	30.22	228	721456	16.12	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFA0418.D Vial: 6
Acq On : 18 Apr 2002 12:47 pm Operator: Bohlk
Sample : REF1 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:19:08 2002 Quant Results File: 5080402BBC.RES

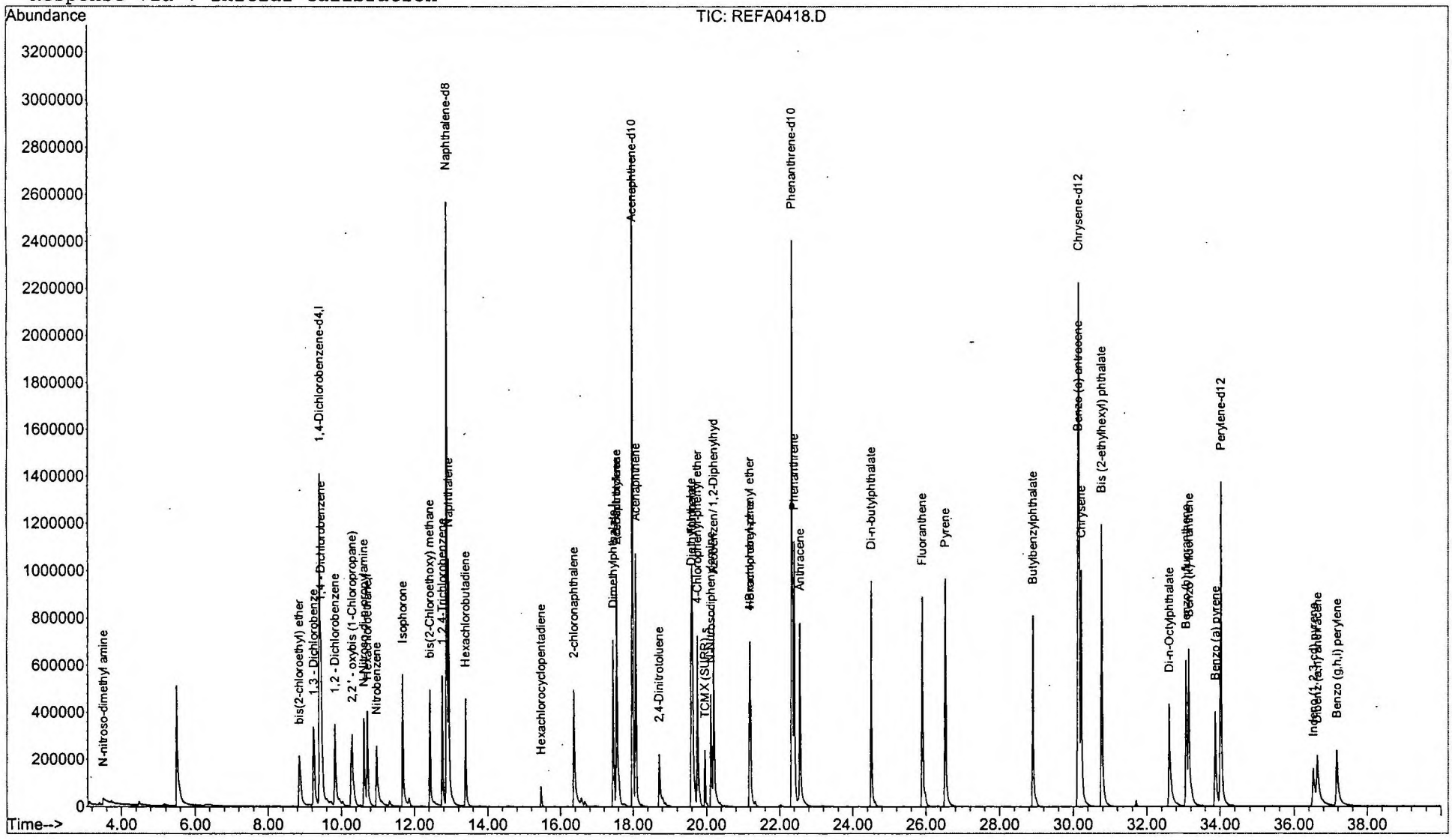
Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) Di-n-Octylphthalate	32.61	149	699794	12.26	ug/L	99
47) Benzo (b) fluoranthene	33.07	252	517531	14.64	ug/L	94
48) Benzo (k) fluoranthene	33.14	252	726086	18.12	ug/L	93
49) Benzo (a) pyrene	33.87	252	426184	12.29	ug/L	90
50) Indeno (1,2,3-cd) pyrene	36.52	276	206382	11.34	ug/L	82
51) Dibenz (a,h) anthracene	36.63	278	260424	14.15	ug/L	86
52) Benzo (g,h,i) perylene	37.16	276	316113	16.28	ug/L	83

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

Data File : C:\MSDCHEM\1\DATA\041802\REFA0418.D Vial: 6
Acq On : 18 Apr 2002 12:47 pm Operator: Bohlk
Sample : REF1 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 8:19 2002 Quant Results File: 5080402BBC.RES

Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFB0418.D Vial: 7
Acq On : 18 Apr 2002 1:37 pm Operator: Bohlk
Sample : REF2 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:20:28 2002 Quant Results File: 5080402BBC.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	602594	40.00	ug/L	0.00
10) Naphthalene-d8	12.89	136	2479302	40.00	ug/L	0.00
17) Acenaphthene-d10	17.99	164	1422691	40.00	ug/L	0.00
30) Phenanthrene-d10	22.35	188	2038762	40.00	ug/L	0.00
39) Chrysene-d12	30.15	240	1664607	40.00	ug/L	0.00
45) Perylene-d12	34.02	264	1040694	40.00	ug/L	0.00
System Monitoring Compounds						
28) TCMX (SURR)	19.95	244	30248	5.33	ug/L	0.00
Spiked Amount 4.000			Recovery = 133.25%			
38) 2,4-DDD (SURR)	0.00	235	0	0.00	ug/L	
Spiked Amount 10.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.50	74	145440m	8.35	ug/L	
3) bis(2-chloroethyl) ether	8.85	93	321411	12.58	ug/L	83
4) 1,3 - Dichlorobenze	9.25	146	276614	13.25	ug/L	99
5) 1,4 - Dichlorobenzene	9.45	146	269644	12.07	ug/L	98
6) 1,2 - Dichlorobenzene	9.83	146	232677	12.74	ug/L	93
7) 2,2 ' - oxybis (1-Chloropr	10.29	45	589000	15.45	ug/L	93
8) N-Nitroso-di-n-propylamine	10.62	70	250035	13.73	ug/L	99
9) Hexachloroethane	10.72	117	119203	11.99	ug/L	91
11) Nitrobenzene	10.97	77	317601	13.20	ug/L	99
12) Isophorone	11.68	82	697182	14.57	ug/L	98
13) bis(2-Chloroethoxy) methan	12.43	93	400794	13.73	ug/L	99
14) 1,2,4-Trichlorobenzene	12.77	180	225590	14.06	ug/L	98
15) Naphthalene	12.94	128	980524	16.17	ug/L	100
16) Hexachlorobutadiene	13.39	225	117229	15.16	ug/L	95
18) Hexachlorocyclopentadiene	15.47	237	22067	3.31	ug/L	92
19) 2-chloronaphthalene	16.37	162	429897	14.94	ug/L	96
20) Dimethylphthalate	17.46	163	684756	16.73	ug/L	98
21) 2,6-Dinitrotoluene	17.56	165	119629	15.01	ug/L	98
22) Acenaphthylene	17.55	152	701029	13.32	ug/L	99
23) Acenaphthene	18.08	153	554373	16.66	ug/L	99
24) 2,4-Dinitrotoluene	18.71	165	117155	12.20	ug/L	98
25) Diethylphthalate	19.58	149	673491	19.83	ug/L	99
26) 4-Chlorophenyl-phenyl ethe	19.75	204	307285	16.36	ug/L	98
27) Fluorene	19.61	166	684172	17.82	ug/L	97
29) Azobenzen/ 1,2-Diphenylhyd	20.20	77	893500	15.12	ug/L	96
31) N-Nitrosodiphenylamine	20.12	169	311685	14.34	ug/L	99
32) 4-Bromophenyl-phenyl ether	21.17	248	147851	15.67	ug/L	92
33) Hexachlorobenzene	21.19	284	147527	16.73	ug/L	82
34) Phenanthrene	22.40	178	977408	17.30	ug/L	99
35) Anthracene	22.56	178	847017	14.70	ug/L	99
36) Di-n-butylphthalate	24.51	149	1160888	17.97	ug/L	98
37) Fluoranthene	25.90	202	981278	16.38	ug/L	87
40) Pyrene	26.53	202	1091775	17.39	ug/L	86
41) Butylbenzylphthalate	28.90	149	484765	16.72	ug/L	89
42) Benzo (a) antracene	30.12	228	794219	15.67	ug/L	99
43) Bis (2-ethylhexyl) phthala	30.77	149	823541	20.00	ug/L	98
44) Chrysene	30.22	228	849531	16.93	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFB0418.D Vial: 7
Acq On : 18 Apr 2002 1:37 pm Operator: Bohlk
Sample : REF2 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:20:28 2002 Quant Results File: 5080402BBC.RES

Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Di-n-Octylphthalate	32.61	149	877710	13.56 ug/L	99
47) Benzo (b) fluoranthene	33.07	252	619340	15.45 ug/L	94
48) Benzo (k) fluoranthene	33.14	252	800887	17.62 ug/L	93
49) Benzo (a) pyrene	33.87	252	491745	12.50 ug/L	92
50) Indeno (1,2,3-cd) pyrene	36.52	276	257976	12.50 ug/L	87
51) Dibenz (a,h) anthracene	36.63	278	287816	13.79 ug/L	89
52) Benzo (g,h,i) perylene	37.16	276	373750	16.97 ug/L	81

(#) = qualifier out of range (m) = manual integration
REFB0418.D 5080402BBC.M Wed Apr 24 08:26:03 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\041802\REFB0418.D Vial: 7
Acq On : 18 Apr 2002 1:37 pm Operator: Bohlk
Sample : REF2 3/27/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 8:20 2002 Quant Results File: 5080402BBC.RES

Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration