User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/24/2002 Time: 10:11:57

Sample: AE07376
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/28/02 10:07 Ended: 4/18/02 10:07 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		10.24		2.0
2	bis(2-Chloroethyl)ether		14.72		2.0
3	1,3-Dichlorobenzene		14.69		2.0
4	1,4-Dichlorobenzene		13.72		2.0
5	1,2-Dichlorobenzene		14.63		2.0
6	2,2-oxybis(1-Chloropropane)		17.83		2.0
7	n-Nitrosodi-n-propylamine		16.34		2.0
8	Hexachloroethane		13.61		2.0
9	Nitrobenzene		13.23		2.0
10	Isophorone		16.32		2.0
11	bis(2-Chloroethoxy)methane		15.47		2.0
12	1,2,4-Trichlorobenzene		15.76		2.0
13	Naphthalene		18.13		2.0
14	Hexachlorobutadiene		16.66		2.0
15	2-Chloronaphthalene		19.05		2.0
16	Dimethylphthalate		19.88		2.0
17	2,6-Dinitrotoluene		16.04		2.0
18	Acenaphthylene		16.10		2.0
19	Acenaphthene		20.00		2.0
20	2,4-Dinitrotoluene		13.99		2.0
21	Diethylphthalate		22.47		2.0
22	4-Chlorophenylphenylether		19.11		2.0
23	Fluorene		21.37		2.0
24	Azobenzene		18.24		2.0
25	n-Nitrosodiphenylamine		16.91		2.0
26	4-Bromophenylphenylether		18.25		2.0
27	Hexachlorobenzene		19.86		2.0
28	Phenanthrene		20.55		2.0
29	Anthracene		17.76		2.0
30	Di-n-butylphthalate		21.28		2.0
31	Fluoranthene		19.04		2.0
32	Pyrene		20.69		2.0
33	Butylbenzylphthalate		18.95		2.0
34	Benzo(a)anthracene		18.93		2.0
35	bis(2-Ethylhexyl)phthalate		19.87		2.0
36	Chrysene		20.04		2.0
37	Di-n-octylphthalate		16.29		2.0
38	Benzo(b)fluoranthene		18.26		2.0
39	Benzo(k)fluoranthene		20.27		2.0
40	Benzo(a)pyrene		15.00		2.0
41	Indeno(1,2,3-cd)pyrene		15.20		2.0
42	Dibenz(a,h)anthracene		17.04		2.0
43	Benzo(g,h,i)perylene		19.93		2.0

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/24/2002 Time: 10:12:12

Sample: AE07376
Analysis: SQ_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/28/02 10:07 Ended: 4/18/02 10:07 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		51		2.0
2	bis(2-Chloroethyl)ether		74		2.0
3	1,3-Dichlorobenzene		73		2.0
4	1,4-Dichlorobenzene		69		2.0
5	1,2-Dichlorobenzene		73		2.0
6	2,2-oxybis(1-Chloropropane)		89		2.0
7	n-Nitrosodi-n-propylamine		82		2.0
8	Hexachloroethane		68		2.0
9	Nitrobenzene		66		2.0
10	Isophorone		82		2.0
11	bis(2-Chloroethoxy)methane		77		2.0
12	1,2,4-Trichlorobenzene		79		2.0
13	Naphthalene		91		2.0
14	Hexachlorobutadiene	USPEC	85		2.0
15	2-Chloronaphthalene		95		2.0
16	Dimethylphthalate		99		2.0
17	2,6-Dinitrotoluene		80		2.0
18	Acenaphthylene		80		2.0
19	Acenaphthene		100		2.0
20	2,4-Dinitrotoluene		70		2.0
21	Diethylphthalate		110		2.0
22	4-Chlorophenylphenylether		96		2.0
23	Fluorene		110		2.0
24	Azobenzene		91		2.0
25	n-Nitrosodiphenylamine		85		2.0
26	4-Bromophenylphenylether		91		2.0
27	Hexachlorobenzene		99		2.0
28	Phenanthrene		100		2.0
29	Anthracene		89		2.0
30	Di-n-butylphthalate		110		2.0
31	Fluoranthene		95		2.0
32	Pyrene		100		2.0
33	Butylbenzylphthalate		95		2.0
34	Benzo(a)anthracene		95		2.0
35	bis(2-Ethylhexyl)phthalate		99		2.0
36	Chrysene		100		2.0
37	Di-n-octylphthalate		81		2.0
38	Benzo(b)fluoranthene		91		2.0
39	Benzo(k)fluoranthene		100		2.0
40	Benzo(a)pyrene		75		2.0
41	Indeno(1,2,3-cd)pyrene		76		2.0
42	Dibenz(a,h)anthracene		85		2.0
43	Benzo(g,h,i)perylene		100		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFD0418.D Vial: 23
Acq On : 19 Apr 2002 3:41 am Operator: Bohlk
Sample : REF2 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:31:39 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	504358	40.00	ug/L	0.00
10) Naphthalene-d8	12.89	136	2133630	40.00	ug/L	0.00
17) Acenaphthene-d10	17.99	164	1173313	40.00	ug/L	0.00
30) Phenanthrene-d10	22.34	188	1664429	40.00	ug/L	0.00
39) Chrysene-d12	30.15	240	1346730	40.00	ug/L	0.00
45) Perylene-d12	34.02	264	854559	40.00	ug/L	0.00
System Monitoring Compounds						
28) TCMX (SURR)	19.96	244	30297	6.47	ug/L	0.00
Spiked Amount 4.000			Recovery = 161.75%			
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	3.49	74	149296m	10.24	ug/L	
3) bis(2-chloroethyl) ether	8.85	93	314771	14.72	ug/L	82
4) 1,3 - Dichlorobenze	9.24	146	256752	14.69	ug/L	95
5) 1,4 - Dichlorobenzene	9.45	146	256630	13.72	ug/L	99
6) 1,2 - Dichlorobenzene	9.83	146	223728	14.63	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.30	45	568842	17.83	ug/L	94
8) N-Nitroso-di-n-propylamine	10.62	70	249062	16.34	ug/L	99
9) Hexachloroethane	10.72	117	113211	13.61	ug/L	93
11) Nitrobenzene	10.97	77	274002	13.23	ug/L	100
12) Isophorone	11.68	82	672367	16.32	ug/L	97
13) bis(2-Chloroethoxy) methan	12.43	93	388780	15.47	ug/L	99
14) 1,2,4-Trichlorobenzene	12.77	180	217557	15.76	ug/L	96
15) Naphthalene	12.94	128	946031	18.13	ug/L	99
16) Hexachlorobutadiene	13.39	225	110840	16.66	ug/L	98
18) Hexachlorocyclopentadiene	15.47	237	22307	4.06	ug/L	89
19) 2-chloronaphthalene	16.36	162	452267	19.05	ug/L	99
20) Dimethylphthalate	17.46	163	670920	19.88	ug/L	98
21) 2,6-Dinitrotoluene	17.56	165	105464	16.04	ug/L	95
22) Acenaphthylene	17.55	152	698495	16.10	ug/L	98
23) Acenaphthene	18.08	153	549077	20.00	ug/L	99
24) 2,4-Dinitrotoluene	18.71	165	110802	13.99	ug/L	98
25) Diethylphthalate	19.58	149	629660	22.47	ug/L	97
26) 4-Chlorophenyl-phenyl ethe	19.75	204	296102	19.11	ug/L	96
27) Fluorene	19.61	166	676509	21.37	ug/L	99
29) Azobenzen/ 1,2-Diphenylhyd	20.20	77	888665	18.24	ug/L	93
31) N-Nitrosodiphenylamine	20.12	169	300038	16.91	ug/L	95
32) 4-Bromophenyl-phenyl ether	21.17	248	140578	18.25	ug/L	89
33) Hexachlorobenzene	21.19	284	142980	19.86	ug/L	86
34) Phenanthrene	22.40	178	947779	20.55	ug/L	99
35) Anthracene	22.55	178	835612	17.76	ug/L	99
36) Di-n-butylphthalate	24.50	149	1122464	21.28	ug/L	99
37) Fluoranthene	25.90	202	931488	19.04	ug/L	83
40) Pyrene	26.53	202	1050782	20.69	ug/L	88
41) Butylbenzylphthalate	28.90	149	444518	18.95	ug/L	90
42) Benzo (a) antracene	30.12	228	776614	18.93	ug/L	98
43) Bis (2-ethylhexyl) phthala	30.77	149	662190	19.87	ug/L	96
44) Chrysene	30.22	228	813465	20.04	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFD0418.D Vial: 23
Acq On : 19 Apr 2002 3:41 am Operator: Bohlk
Sample : REF2 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:31:39 2002 Quant Results File: 5080402BBC.RES

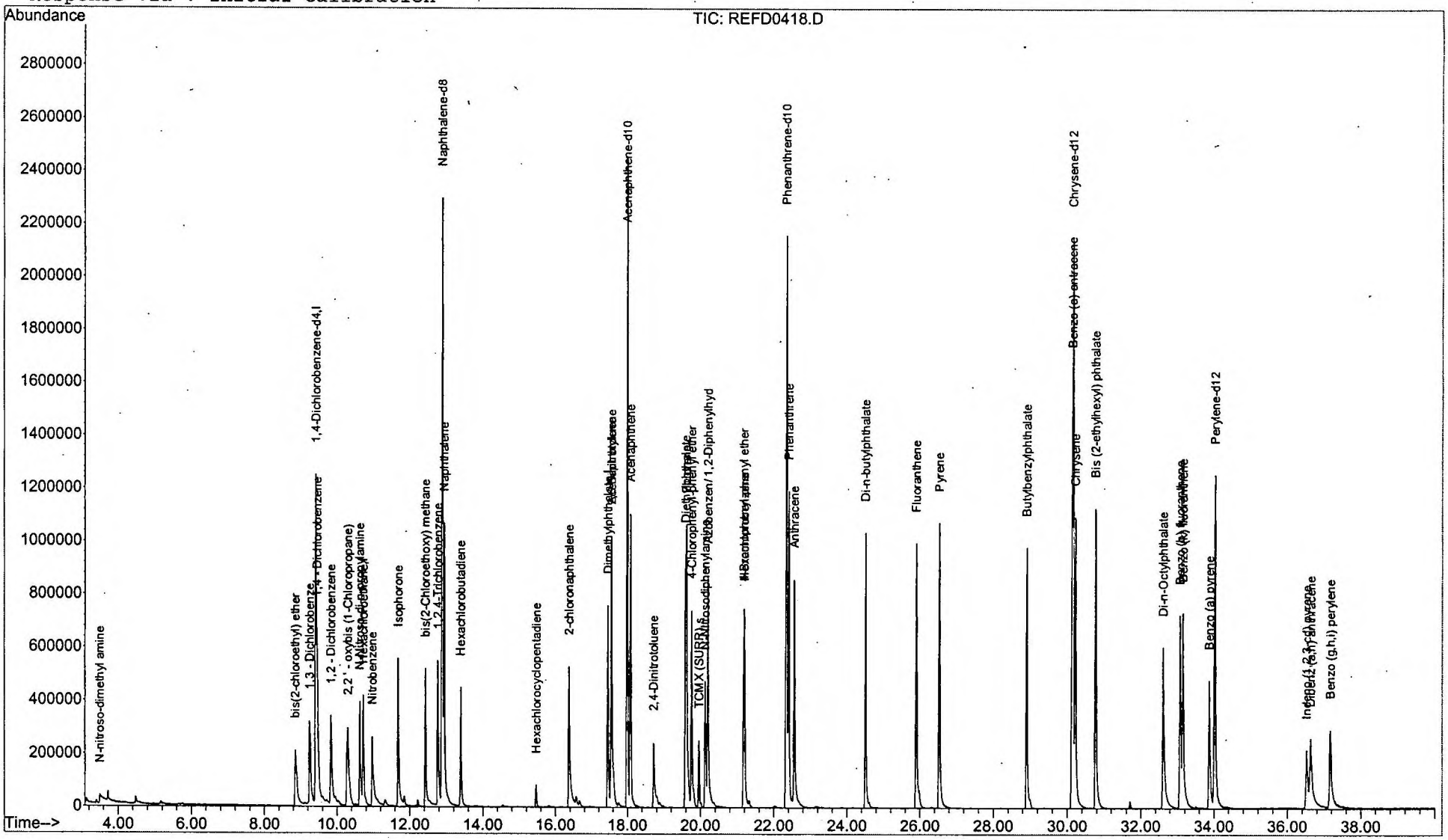
Quant Method : C:\MSDCHEM\1\5973N\5080402BBC.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Wed Apr 24 08:08:47 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Di-n-Octylphthalate	32.61	149	865897	16.29 ug/L	100
47) Benzo (b) fluoranthene	33.07	252	601020	18.26 ug/L	93
48) Benzo (k) fluoranthene	33.14	252	756330	20.27 ug/L	91
49) Benzo (a) pyrene	33.87	252	484665	15.00 ug/L	90
50) Indeno (1,2,3-cd) pyrene	36.52	276	257625	15.20 ug/L	87
51) Dibenz (a,h) anthracene	36.62	278	292205	17.04 ug/L	87
52) Benzo (g,h,i) perylene	37.17	276	360314	19.93 ug/L	77

(#) = qualifier out of range (m) = manual integration
REFD0418.D 5080402BBC.M Wed Apr 24 08:32:07 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\041802\REFD0418.D Vial: 23
Acq On : 19 Apr 2002 3:41 am Operator: Bohlk
Sample : REF2 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 8:31 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\REFC0418.D Vial: 22
Acq On : 19 Apr 2002 2:52 am Operator: Bohlk
Sample : REF1 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:30:24 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	525017	40.00	ug/L	0.00
10) Naphthalene-d8	12.89	136	2216758	40.00	ug/L	0.00
17) Acenaphthene-d10	17.99	164	1240172	40.00	ug/L	0.00
30) Phenanthrene-d10	22.34	188	1776196	40.00	ug/L	0.00
39) Chrysene-d12	30.15	240	1441147	40.00	ug/L	0.00
45) Perylene-d12	34.01	264	933396	40.00	ug/L	0.00
System Monitoring Compounds						
28) TCMX (SURR)	19.95	244	31925	6.45	ug/L	0.00
Spiked Amount 4.000			Recovery = 161.25%			
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	3.49	74	167254m	11.02	ug/L	
3) bis(2-chloroethyl) ether	8.85	93	364838	16.39	ug/L	83
4) 1,3 - Dichlorobenze	9.25	146	317301	17.45	ug/L	97
5) 1,4 - Dichlorobenzene	9.45	146	312756	16.06	ug/L	98
6) 1,2 - Dichlorobenzene	9.83	146	268707	16.88	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.29	45	646912	19.48	ug/L	93
8) N-Nitroso-di-n-propylamine	10.62	70	290306	18.29	ug/L	97
9) Hexachloroethane	10.72	117	135241	15.62	ug/L	93
11) Nitrobenzene	10.97	77	316703	14.72	ug/L	97
12) Isophorone	11.68	82	750646	17.54	ug/L	99
13) bis(2-Chloroethoxy) methan	12.43	93	442197	16.94	ug/L	99
14) 1,2,4-Trichlorobenzene	12.77	180	245426	17.11	ug/L	96
15) Naphthalene	12.94	128	1087689	20.06	ug/L	99
16) Hexachlorobutadiene	13.40	225	126460	18.29	ug/L	96
18) Hexachlorocyclopentadiene	15.47	237	22571	3.89	ug/L	92
19) 2-chloronaphthalene	16.36	162	496840	19.80	ug/L	96
20) Dimethylphthalate	17.46	163	732130	20.53	ug/L	99
21) 2,6-Dinitrotoluene	17.56	165	127857	18.40	ug/L	98
22) Acenaphthylene	17.55	152	769177	16.77	ug/L	99
23) Acenaphthene	18.08	153	610913	21.06	ug/L	98
24) 2,4-Dinitrotoluene	18.71	165	117665	14.06	ug/L	100
25) Diethylphthalate	19.58	149	706260	23.85	ug/L	98
26) 4-Chlorophenyl-phenyl ethe	19.75	204	327050	19.97	ug/L	99
27) Fluorene	19.61	166	735867	21.99	ug/L	99
29) Azobenzen/ 1,2-Diphenylhyd	20.20	77	942568	18.30	ug/L	96
31) N-Nitrosodiphenylamine	20.12	169	317422	16.76	ug/L	98
32) 4-Bromophenyl-phenyl ether	21.17	248	154713	18.82	ug/L	91
33) Hexachlorobenzene	21.20	284	158810	20.67	ug/L	94
34) Phenanthrene	22.40	178	1038485	21.10	ug/L	99
35) Anthracene	22.56	178	935969	18.64	ug/L	99
36) Di-n-butylphthalate	24.51	149	1209512	21.49	ug/L	99
37) Fluoranthene	25.91	202	1019037	19.52	ug/L	87
40) Pyrene	26.53	202	1158048	21.31	ug/L	90
41) Butylbenzylphthalate	28.90	149	502012	20.00	ug/L	91
42) Benzo (a) antracene	30.12	228	851870	19.41	ug/L	99
43) Bis (2-ethylhexyl) phthala	30.77	149	758527	21.27	ug/L	99
44) Chrysene	30.22	228	873402	20.10	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFC0418.D Vial: 22
Acq On : 19 Apr 2002 2:52 am Operator: Bohlk
Sample : REF1 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 08:30:24 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	1106201	19.05	ug/L	96
47) Benzo (b) fluoranthene	33.07	252	662410	18.42	ug/L	93
48) Benzo (k) fluoranthene	33.14	252	820378	20.13	ug/L	91
49) Benzo (a) pyrene	33.87	252	542383	15.37	ug/L	92
50) Indeno (1,2,3-cd) pyrene	36.52	276	313686	16.94	ug/L	81
51) Dibenz (a,h) anthracene	36.63	278	376195	20.09	ug/L	80
52) Benzo (g,h,i) perylene	37.17	276	419824	21.26	ug/L	74

(#) = qualifier out of range (m) = manual integration
REFC0418.D 5080402BBC.M Wed Apr 24 08:31:19 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\041802\REFC0418.D Vial: 22
Acq On : 19 Apr 2002 2:52 am Operator: Bohlk
Sample : REF1 3/28/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 24 8:30 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