User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 08:57:37

Sample: AE06458
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/20/02 08:46 Ended: 4/6/02 08:46 Analyst: TB
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		7.98		2.0
2	bis(2-Chloroethyl)ether		13.90		2.0
3	1,3-Dichlorobenzene		8.06		2.0
4	1,4-Dichlorobenzene		8.95		2.0
5	1,2-Dichlorobenzene		9.05		2.0
6	2,2-oxybis(1-Chloropropane)		14.38		2.0
7	n-Nitrosodi-n-propylamine		13.36		2.0
8	Hexachloroethane		5.16		2.0
9	Nitrobenzene		9.08		2.0
10	Isophorone		11.74		2.0
11	bis(2-Chloroethoxy)methane		11.65		2.0
12	1,2,4-Trichlorobenzene		8.88		2.0
13	Naphthalene		11.71		2.0
14	Hexachlorobutadiene		2.37		2.0
15	2-Chloronaphthalene		10.42		2.0
16	Dimethylphthalate		12.39		2.0
17	2,6-Dinitrotoluene		10.09		2.0
18	Acenaphthylene		11.64		2.0
19	Acenaphthene		12.22		2.0
20	2,4-Dinitrotoluene		8.31		2.0
21	Diethylphthalate		14.01		2.0
22	4-Chlorophenylphenylether		11.22		2.0
23	Fluorene		12.99		2.0
24	Azobenzene/1,2-Diphenylhydr		11.58		2.0
25	n-Nitrosodiphenylamine		9.53		2.0
26	4-Bromophenylphenylether		11.64		2.0
27	Hexachlorobenzene		11.26		2.0
28	Phenanthrene		13.05		2.0
29	Anthracene		11.88		2.0
30	Di-n-butylphthalate		13.43		2.0
31	Fluoranthene		12.14		2.0
32	Pyrene		12.17		2.0
33	Butylbenzylphthalate		11.77		2.0
34	Benzo(a)anthracene		11.93		2.0
35	bis(2-Ethylhexyl)phthalate		16.24		2.0
36	Chrysene		13.02		2.0
37	Di-n-octylphthalate		9.30		2.0
38	Benzo(b)fluoranthene		11.18		2.0
39	Benzo(k)fluoranthene		12.63		2.0
40	Benzo(a)pyrene		9.67		2.0
41	Indeno(1,2,3-cd)pyrene		9.28		2.0
42	Dibenz(a,h)anthracene		11.90		2.0
43	Benzo(g,h,i)perylene		11.79		2.0

User: Bohlk, Ted
Westchester Dept. of Labs & Research
Date: 04/10/2002 Time: 08:57:53

Sample: AE06458
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/20/02 08:46 Ended: 4/6/02 08:46 Analyst: TB
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine	USPEC	80		2.0
2	bis(2-Chloroethyl)ether	USPEC	140		2.0
3	1,3-Dichlorobenzene		81		2.0
4	1,4-Dichlorobenzene		90		2.0
5	1,2-Dichlorobenzene		90		2.0
6	2,2-oxybis(1-Chloropropane)	USPEC	140		2.0
7	n-Nitrosodi-n-propylamine		130		2.0
8	Hexachloroethane		52		2.0
9	Nitrobenzene		91		2.0
10	Isophorone		120		2.0
11	bis(2-Chloroethoxy)methane	USPEC	120		2.0
12	1,2,4-Trichlorobenzene		89		2.0
13	Naphthalene	USPEC	120		2.0
14	Hexachlorobutadiene		24		2.0
15	2-Chloronaphthalene		100		2.0
16	Dimethylphthalate		120		2.0
17	2,6-Dinitrotoluene		100		2.0
18	Acenaphthylene	USPEC	120		2.0
19	Acenaphthene	USPEC	120		2.0
20	2,4-Dinitrotoluene		83		2.0
21	Diethylphthalate	USPEC	140		2.0
22	4-Chlorophenylphenylether		110		2.0
23	Fluorene		130		2.0
24	Azobenzene/1,2-Diphenylhyd	USPEC	120		2.0
25	n-Nitrosodiphenylamine		95		2.0
26	4-Bromophenylphenylether		120		2.0
27	Hexachlorobenzene		110		2.0
28	Phenanthrene		130		2.0
29	Anthracene		120		2.0
30	Di-n-butylphthalate		130		2.0
31	Fluoranthene		120		2.0
32	Pyrene	USPEC	120		2.0
33	Butylbenzylphthalate	USPEC	120		2.0
34	Benzo(a)anthracene		120		2.0
35	bis(2-Ethylhexyl)phthalate	USPEC	160		2.0
36	Chrysene		130		2.0
37	Di-n-octylphthalate		93		2.0
38	Benzo(b)fluoranthene		110		2.0
39	Benzo(k)fluoranthene		130		2.0
40	Benzo(a)pyrene		97		2.0
41	Indeno(1,2,3-cd)pyrene		93		2.0
42	Dibenz(a,h)anthracene	USPEC	120		2.0
43	Benzo(g,h,i)perylene	USPEC	120		2.0

14
1/43

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFC0405.D Vial: 22
Acq On : 6 Apr 2002 11:20 am Operator: Bohlk
Sample : REF1 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:41:49 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	1095565	20.00	ug/L	-0.01
10) Naphthalene-d8	12.94	136	5223571	20.00	ug/L	0.00
17) Acenaphthene-d10	18.06	164	2949325	20.00	ug/L	0.00
29) Phenanthrene-d10	22.42	188	4177443	20.00	ug/L	0.00
38) Chrysene-d12	30.24	240	3016831	20.00	ug/L	0.00
44) Perylene-d12	34.11	264	1774074	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	266451	6.43	ug/L	0.00
Spiked Amount 5.000			Recovery = 128.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.53	74	333691m	7.98	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	846492	13.90	ug/L	82
4) 1,3 - Dichlorobenze	9.29	146	443864	8.06	ug/L	96
5) 1,4 - Dichlorobenzene	9.50	146	482152	8.95	ug/L	96
6) 1,2 - Dichlorobenzene	9.88	146	453347	9.05	ug/L	98
7) 2,2 ' - oxybis (1-Chloropr	10.34	45	1352207	14.38	ug/L	95
8) N-Nitroso-di-n-propylamine	10.67	70	619619	13.36	ug/L	96
9) Hexachloroethane	10.77	117	106719	5.16	ug/L	88
11) Nitrobenzene	11.02	77	754787	9.08	ug/L	97
12) Isophorone	11.73	82	1761943	11.74	ug/L	97
13) bis(2-Chloroethoxy) methan	12.47	93	1060294	11.65	ug/L	98
14) 1,2,4-Trichlorobenzene	12.82	180	401523	8.88	ug/L	99
15) Naphthalene	12.99	128	2111278	11.71	ug/L	99
16) Hexachlorobutadiene	13.44	225	53015	2.37	ug/L	93
18) Hexachlorocyclopentadiene	15.51	237	14282	0.90	ug/L	90
19) 2-chloronaphthalene	16.42	162	1060548	10.42	ug/L	100
20) Dimethylphthalate	17.52	163	1468218	12.39	ug/L	99
21) 2,6-Dinitrotoluene	17.62	165	252817	10.09	ug/L	96
22) Acenaphthylene	17.60	152	1627202	11.64	ug/L	99
23) Acenaphthene	18.14	153	1209737	12.22	ug/L	96
24) 2,4-Dinitrotoluene	18.77	165	286702	8.31	ug/L	96
25) Diethylphthalate	19.65	149	1401200	14.01	ug/L	99
26) 4-Chlorophenyl-phenyl ethe	19.81	204	579216	11.22	ug/L	97
27) Fluorene	19.67	166	1465070	12.99	ug/L	99
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	2059991	11.58	ug/L	92
30) N-Nitrosodiphenylamine	20.18	169	698504	9.53	ug/L	97
31) 4-Bromophenyl-phenyl ether	21.23	248	290661	11.64	ug/L	91
32) Hexachlorobenzene	21.26	284	270556	11.26	ug/L	82
33) Phenanthrene	22.47	178	2009826	13.05	ug/L	99
34) Anthracene	22.62	178	1780454	11.88	ug/L	98
35) Di-n-butylphthalate	24.58	149	2342312	13.43	ug/L	98
36) Fluoranthene	25.98	202	1949427	12.14	ug/L	81
39) Pyrene	26.61	202	2145584	12.17	ug/L	86
40) Butylbenzylphthalate	28.98	149	898692	11.77	ug/L	85
41) Benzo (a) antracene	30.21	228	1440762	11.93	ug/L	99
42) Bis (2-ethylhexyl) phthala	30.85	149	1597981	16.24	ug/L	98
43) Chrysene	30.30	228	1507237	13.02	ug/L	99
45) Di-n-Octylphthalate	32.70	149	1582059	9.30	ug/L	100
46) Benzo (b) fluoranthene	33.16	252	1072707	11.18	ug/L	92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFC0405.D Vial: 22
Acq On : 6 Apr 2002 11:20 am Operator: Bohlk
Sample : REF1 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:41:49 2002 Quant Results File: 5080402.RES

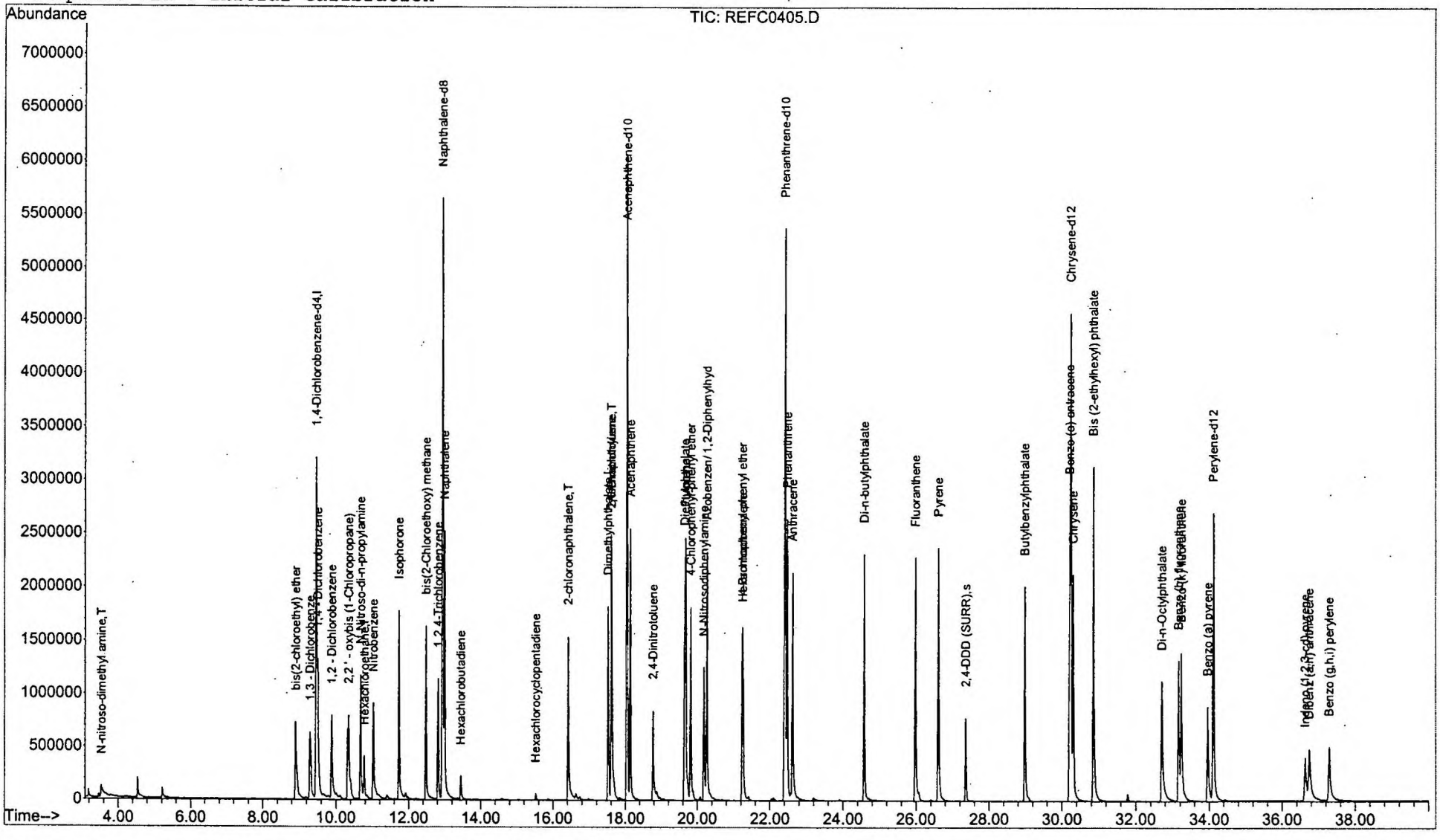
Quant Method : C:\MSDCHEM\1\5973N\5080402.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Fri Apr 05 05:56:22 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	33.23	252	1287206	12.63 ug/L	91
48) Benzo (a) pyrene	33.96	252	818157	9.67 ug/L	91
49) Indeno (1,2,3-cd) pyrene	36.63	276	417969	9.28 ug/L	81
50) Dibenz (a,h) anthracene	36.75	278	532746	11.90 ug/L	84
51) Benzo (g,h,i) perylene	37.29	276	539365	11.79 ug/L	72

(#) = qualifier out of range (m) = manual integration
REFC0405.D 5080402.M Mon Apr 08 05:42:58 2002 Page 2

Data File : C:\MSDCHEM\1\DATA\040502\REFC0405.D Vial: 22
Acq On : 6 Apr 2002 11:20 am Operator: Bohlk
Sample : REF1 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:42 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\REFD0405.D Vial: 23
Acq On : 6 Apr 2002 12:09 pm Operator: Bohlk
Sample : REF2 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:44:10 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	951367	20.00	ug/L	-0.01
10) Naphthalene-d8	12.93	136	4079167	20.00	ug/L	-0.01
17) Acenaphthene-d10	18.05	164	2314303	20.00	ug/L	0.00
29) Phenanthrene-d10	22.41	188	3307950	20.00	ug/L	-0.01
38) Chrysene-d12	30.24	240	2472261	20.00	ug/L	-0.01
44) Perylene-d12	34.11	264	1495206	20.00	ug/L	-0.01
System Monitoring Compounds						
37) 2,4-DDD (SURR)	27.36	235	232090	7.07	ug/L	0.00
Spiked Amount 5.000			Recovery = 141.40%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.53	74	308217m	8.49	ug/L	
3) bis(2-chloroethyl) ether	8.90	93	735592	13.91	ug/L	82
4) 1,3 - Dichlorobenze	9.29	146	385256	8.05	ug/L	98
5) 1,4 - Dichlorobenzene	9.50	146	403269	8.62	ug/L	98
6) 1,2 - Dichlorobenzene	9.88	146	382602	8.79	ug/L	96
7) 2,2 ' - oxybis (1-Chloropr	10.34	45	1193842	14.62	ug/L	94
8) N-Nitroso-di-n-propylamine	10.67	70	563384	13.99	ug/L	95
9) Hexachloroethane	10.77	117	91435	5.09	ug/L	91
11) Nitrobenzene	11.02	77	670782	10.33	ug/L	99
12) Isophorone	11.73	82	1572142	13.41	ug/L	99
13) bis(2-Chloroethoxy) methan	12.47	93	944817	13.29	ug/L	100
14) 1,2,4-Trichlorobenzene	12.81	180	348905	9.88	ug/L	96
15) Naphthalene	12.99	128	1856250	13.18	ug/L	99
16) Hexachlorobutadiene	13.44	225	46902	2.68	ug/L	98
18) Hexachlorocyclopentadiene	15.52	237	11684	0.94	ug/L	92
19) 2-chloronaphthalene	16.42	162	885800	11.09	ug/L	99
20) Dimethylphthalate	17.52	163	1315355	14.14	ug/L	100
21) 2,6-Dinitrotoluene	17.62	165	221019	11.24	ug/L	95
22) Acenaphthylene	17.60	152	1425639	12.99	ug/L	100
23) Acenaphthene	18.14	153	1058922	13.63	ug/L	98
24) 2,4-Dinitrotoluene	18.77	165	248404	9.18	ug/L	95
25) Diethylphthalate	19.64	149	1253892	15.98	ug/L	99
26) 4-Chlorophenyl-phenyl ethe	19.81	204	513948	12.69	ug/L	100
27) Fluorene	19.67	166	1292541	14.61	ug/L	96
28) Azobenzen/ 1,2-Diphenylhyd	20.26	77	1890265	13.54	ug/L	93
30) N-Nitrosodiphenylamine	20.18	169	676983	11.66	ug/L	97
31) 4-Bromophenyl-phenyl ether	21.23	248	250282	12.66	ug/L	81
32) Hexachlorobenzene	21.26	284	247824	13.03	ug/L	82
33) Phenanthrene	22.47	178	1822160	14.94	ug/L	99
34) Anthracene	22.62	178	1587636	13.38	ug/L	98
35) Di-n-butylphthalate	24.58	149	2157201	15.62	ug/L	99
36) Fluoranthene	25.98	202	1792724	14.09	ug/L	84
39) Pyrene	26.60	202	1992936	13.80	ug/L	84
40) Butylbenzylphthalate	28.98	149	811753	12.97	ug/L	86
41) Benzo (a) antracene	30.21	228	1341793	13.55	ug/L	99
42) Bis (2-ethylhexyl) phthala	30.85	149	1497744	18.58	ug/L	99
43) Chrysene	30.30	228	1431924	15.09	ug/L	99
45) Di-n-Octylphthalate	32.70	149	1444860	10.08	ug/L	97
46) Benzo (b) fluoranthene	33.16	252	1017097	12.58	ug/L	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\040502\REFD0405.D Vial: 23
Acq On : 6 Apr 2002 12:09 pm Operator: Bohlk
Sample : REF2 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 08 05:44:10 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	1101575	12.83 ug/L	91
48)	Benzo (a) pyrene	33.96	252	772875	10.84 ug/L	90
49)	Indeno (1,2,3-cd) pyrene	36.63	276	412947	10.88 ug/L	80
50)	Dibenz (a,h) anthracene	36.74	278	488056	12.94 ug/L	81
51)	Benzo (g,h,i) perylene	37.29	276	540562	14.02 ug/L	80

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

Data File : C:\MSDCHEM\1\DATA\040502\REFD0405.D Vial: 23
Acq On : 6 Apr 2002 12:09 pm Operator: Bohlk
Sample : REF2 3/20/02 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Apr 8 5:46 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