User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 03/19/2002 Time: 14:58:56

Sample: AE02092
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 3/19/02 14:54 Ended: 3/19/02 14:54 Analyst: MF
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		4.47		2.0
2	bis(2-Chloroethyl)ether		8.68		2.0
3	1,3-Dichlorobenzene		4.24		2.0
4	1,4-Dichlorobenzene		4.84		2.0
5	1,2-Dichlorobenzene		5.87		2.0
6	2,2-oxybis(1-Chloropropane)		8.95		2.0
7	n-Nitrosodi-n-propylamine		10.26		2.0
8	Hexachloroethane		2.44		2.0
9	Nitrobenzene		6.39		2.0
10	Isophorone		8.74		2.0
11	bis(2-Chloroethoxy)methane		7.41		2.0
12	1,2,4-Trichlorobenzene		5.05		2.0
13	Naphthalene		7.33		2.0
14	Hexachlorobutadiene		1.20		2.0
15	2-Chloronaphthalene		5.97		2.0
16	Dimethylphthalate		8.80		2.0
17	2,6-Dinitrotoluene		7.14		2.0
18	Acenaphthylene		8.23		2.0
19	Acenaphthene		7.95		2.0
20	2,4-Dinitrotoluene		6.33		2.0
21	Diethylphthalate		9.96		2.0
22	4-Chlorophenylphenylether		7.51		2.0
23	Fluorene		8.89		2.0
24	Azobenzene/1,2-Diphenylhydraz		8.09		2.0
25	n-Nitrosodiphenylamine		8.28		2.0
26	4-Bromophenylphenylether		8.46		2.0
27	Hexachlorobenzene		7.89		2.0
28	Phenanthrene		9.29		2.0
29	Anthracene		8.63		2.0
30	Di-n-butylphthalate		9.84		2.0
31	Fluoranthene		9.59		2.0
32	Pyrene		8.32		2.0
33	Butylbenzylphthalate		7.77		2.0
34	Benzo(a)anthracene		8.41		2.0
35	bis(2-Ethylhexyl)phthalate		7.97		2.0
36	Chrysene		9.83		2.0
37	Di-n-octylphthalate		6.56		2.0
38	Benzo(b)fluoranthene		8.71		2.0
39	Benzo(k)fluoranthene		10.12		2.0
40	Benzo(a)pyrene		7.60		2.0
41	Indeno(1,2,3-cd)pyrene		5.98		2.0
42	Dibenz(a,h)anthracene		7.47		2.0
43	Benzo(g,h,i)perylene		7.94		2.0

User: Fakhouri, Morgan
Westchester Dept. of Labs & Research
Date: 03/19/2002 Time: 14:59:06

Sample: AE02092
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 3/19/02 14:54 Ended: 3/19/02 14:54 Analyst: MF
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	n-Nitrosodimethylamine		45		2.0
2					
3	1,3-Dichlorobenzene		42		2.0
4	1,4-Dichlorobenzene		48		2.0
5	1,2-Dichlorobenzene		59		2.0
6	2,2-oxybis(1-Chloropropane)		90		2.0
7					
8	Hexachloroethane		24		2.0
9	Nitrobenzene		64		2.0
10	Isophorone		87		2.0
11	bis(2-Chloroethoxy)methane		74		2.0
12	1,2,4-Trichlorobenzene		50		2.0
13	Naphthalene		73		2.0
14					
15	2-Chloronaphthalene		60		2.0
16	Dimethylphthalate		88		2.0
17	2,6-Dinitrotoluene		71		2.0
18	Acenaphthylene		82		2.0
19	Acenaphthene		80		2.0
20	2,4-Dinitrotoluene		63		2.0
21					
22	4-Chlorophenylphenylether		75		2.0
23	Fluorene		89		2.0
24	Azobenzene/1,2-Diphenylhydraz		81		2.0
25					
26	4-Bromophenylphenylether		85		2.0
27	Hexachlorobenzene		79		2.0
28	Phenanthrene		93		2.0
29	Anthracene		86		2.0
30					
31					
32	Pyrene		83		2.0
33	Butylbenzylphthalate		78		2.0
34	Benzo(a)anthracene		84		2.0
35					
36	Chrysene		98		2.0
37	Di-n-octylphthalate		66		2.0
38					
39					
40	Benzo(a)pyrene		76		2.0
41	Indeno(1,2,3-cd)pyrene		60		2.0
42	Dibenz(a,h)anthracene		75		2.0
43	Benzo(g,h,i)perylene		79		2.0

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA1.D Vial: 17
Acq On : 19 Mar 2002 3:16 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 02:45:36 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.54	150	1533714	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3967721	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	2204105	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3385297	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	3131590	20.00	ug/L	0.00
44) Perylene-d12	34.19	264	1868492	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.43	235	245509	6.08	ug/L	0.00
Spiked Amount 5.000			Recovery = 121.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.61	74	154037	4.47	ug/L	100
3) bis(2-chloroethyl) ether	8.98	93	471016	8.68	ug/L	83
4) 1,3 - Dichlorobenze	9.38	146	227873	4.24	ug/L	98
5) 1,4 - Dichlorobenzene	9.59	146	259018	4.84	ug/L	96
6) 1,2 - Dichlorobenzene	9.97	146	290847	5.87	ug/L	99
7) 2,2 ' - oxybis (1-Chloropr	10.42	45	1107018	8.95	ug/L	98
8) N-Nitroso-di-n-propylamine	10.75	70	400582	10.26	ug/L	98
9) Hexachloroethane	10.86	117	49088	2.44	ug/L	98
11) Nitrobenzene	11.10	77	456856	6.39	ug/L	96
12) Isophorone	11.81	82	1148862	8.74	ug/L	99
13) bis(2-Chloroethoxy) methan	12.55	93	586459	7.41	ug/L	98
14) 1,2,4-Trichlorobenzene	12.90	180	229263	5.05	ug/L	98
15) Naphthalene	13.08	128	1209057	7.33	ug/L	99
16) Hexachlorobutadiene	13.53	225	30573	1.20	ug/L	94
18) Hexachlorocyclopentadiene	15.61	237	8395	0.43	ug/L	86
19) 2-chloronaphthalene	16.51	162	601030	5.97	ug/L	98
20) Dimethylphthalate	17.59	163	1057255	8.80	ug/L	98
21) 2,6-Dinitrotoluene	17.70	165	182606	7.14	ug/L	94
22) Acenaphthylene	17.70	152	1149289	8.23	ug/L	99
23) Acenaphthene	18.22	153	754936	7.95	ug/L	98
24) 2,4-Dinitrotoluene	18.85	165	231667	6.33	ug/L	95
25) Diethylphthalate	19.72	149	1029083	9.96	ug/L	98
26) 4-Chlorophenyl-phenyl ethe	19.89	204	413514	7.51	ug/L	96
27) Fluorene	19.76	166	995110	8.89	ug/L	100
28) Azobenzen/ 1,2-Diphenylhyd	20.34	77	1233298	8.09	ug/L	97
30) N-Nitrosodiphenylamine	20.26	169	602682	8.28	ug/L	98
31) 4-Bromophenyl-phenyl ether	21.32	248	252902	8.46	ug/L	98
32) Hexachlorobenzene	21.34	284	248651	7.89	ug/L	95
33) Phenanthrene	22.56	178	1456689	9.29	ug/L	99
34) Anthracene	22.70	178	1342714	8.63	ug/L	98
35) Di-n-butylphthalate	24.65	149	1767568	9.84	ug/L	100
36) Fluoranthene	26.06	202	1707991	9.59	ug/L	99
39) Pyrene	26.69	202	1801390	8.32	ug/L	97
40) Butylbenzylphthalate	29.05	149	719938	7.77	ug/L	100
41) Benzo (a) antracene	30.29	228	1382704	8.41	ug/L	100
42) Bis (2-ethylhexyl) phthala	30.91	149	977051	7.97	ug/L	97
43) Chrysene	30.38	228	1535339	9.83	ug/L	99
45) Di-n-Octylphthalate	32.75	149	1317026	6.56	ug/L	100
46) Benzo (b) fluoranthene	33.23	252	1147150	8.71	ug/L	99

(#) = qualifier out of range (m) = manual integration
REFA1.D 5080302.M Wed Mar 20 02:45:52 2002 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA1.D Vial: 17
Acq On : 19 Mar 2002 3:16 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 02:45:36 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

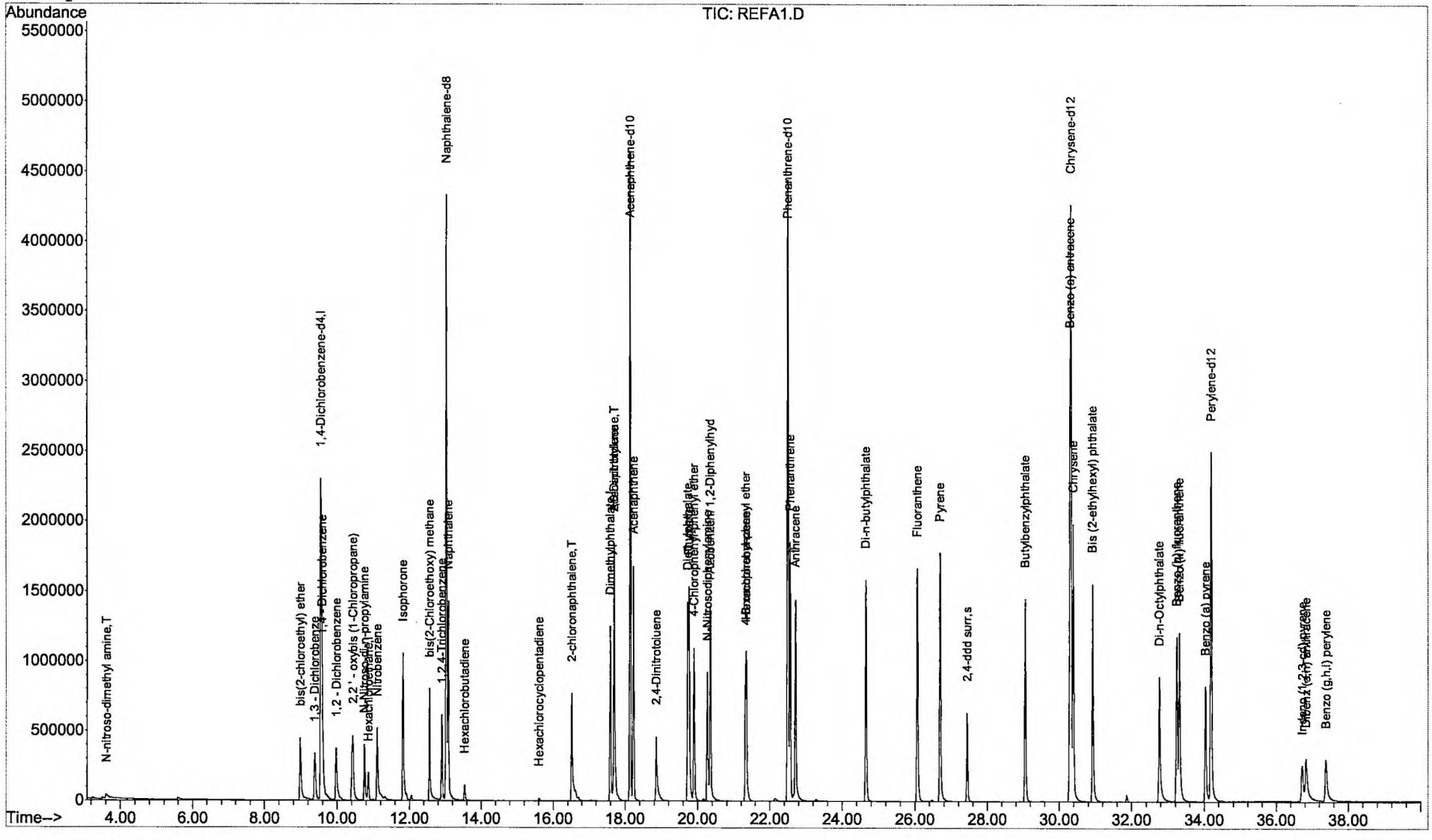
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
47) Benzo (k) fluoranthene	33.31	252	1359110	10.12 ug/L	99
48) Benzo (a) pyrene	34.03	252	855201	7.60 ug/L	99
49) Indeno (1,2,3-cd) pyrene	36.72	276	387136	5.98 ug/L	98
50) Dibenz (a,h) anthracene	36.83	278	465077	7.47 ug/L	97
51) Benzo (g,h,i) perylene	37.38	276	494626	7.94 ug/L	97

(#) = qualifier out of range (m) = manual integration
REFA1.D 5080302.M Wed Mar 20 02:45:53 2002 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA1.D Vial: 17
Acq On : 19 Mar 2002 3:16 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 2:45 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA2.D Vial: 18
Acq On : 19 Mar 2002 4:05 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 02:46:00 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.54	150	1407798	20.00	ug/L	0.00
10) Naphthalene-d8	13.03	136	3672470	20.00	ug/L	0.00
17) Acenaphthene-d10	18.13	164	2026115	20.00	ug/L	0.00
29) Phenanthrene-d10	22.50	188	3143307	20.00	ug/L	0.00
38) Chrysene-d12	30.31	240	2972667	20.00	ug/L	0.00
44) Perylene-d12	34.18	264	1636095	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-ddd surr	27.44	235	229186	6.11	ug/L	0.00
Spiked Amount 5.000			Recovery = 122.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	3.61	74	116436	3.68	ug/L	100
3) bis(2-chloroethyl) ether	8.98	93	402572	8.08	ug/L	84
4) 1,3 - Dichlorobenze	9.38	146	206319	4.19	ug/L	97
5) 1,4 - Dichlorobenzene	9.59	146	228713	4.65	ug/L	95
6) 1,2 - Dichlorobenzene	9.97	146	260115	5.72	ug/L	97
7) 2,2 ' - oxybis (1-Chloropr	10.43	45	1001712	8.82	ug/L	99
8) N-Nitroso-di-n-propylamine	10.75	70	357194	9.97	ug/L	99
9) Hexachloroethane	10.86	117	47461	2.57	ug/L	92
11) Nitrobenzene	11.10	77	398288	6.02	ug/L	95
12) Isophorone	11.81	82	1045295	8.59	ug/L	99
13) bis(2-Chloroethoxy) methan	12.55	93	522189	7.13	ug/L	99
14) 1,2,4-Trichlorobenzene	12.90	180	216428	5.15	ug/L	98
15) Naphthalene	13.08	128	1103319	7.23	ug/L	99
16) Hexachlorobutadiene	13.53	225	33015	1.40	ug/L	98
18) Hexachlorocyclopentadiene	15.61	237	7926	0.44	ug/L	87
19) 2-chloronaphthalene	16.51	162	544856	5.89	ug/L	98
20) Dimethylphthalate	17.59	163	976246	8.84	ug/L	99
21) 2,6-Dinitrotoluene	17.70	165	168939	7.19	ug/L	99
22) Acenaphthylene	17.69	152	1074124	8.37	ug/L	98
23) Acenaphthene	18.22	153	704032	8.07	ug/L	98
24) 2,4-Dinitrotoluene	18.85	165	216098	6.42	ug/L	99
25) Diethylphthalate	19.72	149	962295	10.13	ug/L	100
26) 4-Chlorophenyl-phenyl ethe	19.89	204	399226	7.88	ug/L	97
27) Fluorene	19.76	166	921218	8.96	ug/L	100
28) Azobenzen/ 1,2-Diphenylhyd	20.34	77	1132072	8.08	ug/L	98
30) N-Nitrosodiphenylamine	20.26	169	550825	8.15	ug/L	99
31) 4-Bromophenyl-phenyl ether	21.32	248	236543	8.52	ug/L	97
32) Hexachlorobenzene	21.34	284	230110	7.86	ug/L	96
33) Phenanthrene	22.56	178	1344155	9.23	ug/L	99
34) Anthracene	22.70	178	1272562	8.81	ug/L	100
35) Di-n-butylphthalate	24.65	149	1635468	9.80	ug/L	99
36) Fluoranthene	26.06	202	1563593	9.45	ug/L	99
39) Pyrene	26.69	202	1675760	8.15	ug/L	97
40) Butylbenzylphthalate	29.05	149	673444	7.65	ug/L	99
41) Benzo (a) antracene	30.29	228	1290801	8.27	ug/L	98
42) Bis (2-ethylhexyl) phthala	30.91	149	915291	7.87	ug/L	98
43) Chrysene	30.38	228	1435998	9.69	ug/L	98
45) Di-n-Octylphthalate	32.75	149	1236429	7.04	ug/L	98
46) Benzo (b) fluoranthene	33.23	252	1037260	9.00	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA2.D Vial: 18
Acq On : 19 Mar 2002 4:05 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 02:46:00 2002 Quant Results File: 5080302.RES

Quant Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
47) Benzo (k) fluoranthene	33.31	252	1272428	10.82	ug/L	99
48) Benzo (a) pyrene	34.03	252	732310	7.44	ug/L	100
49) Indeno (1,2,3-cd) pyrene	36.72	276	316314	5.58	ug/L	94
50) Dibenz (a,h) anthracene	36.83	278	387581	7.11	ug/L	97
51) Benzo (g,h,i) perylene	37.38	276	421154	7.72	ug/L	97

(#) = qualifier out of range (m) = manual integration
REFA2.D 5080302.M Wed Mar 20 02:46:05 2002 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\031802\REFA2.D Vial: 18
Acq On : 19 Mar 2002 4:05 pm Operator: McLean
Sample : GC/MS SCAN 3/8 Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: BENZO.P
Quant Time: Mar 20 2:46 2002 Quant Results File: 5080302.RES

Method : C:\MSDCHEM\1\5973N\5080302.M (RTE Integrator)
Title : Quantitation For Method 508gcscan
Last Update : Thu Mar 14 13:02:27 2002
Response via : Initial Calibration