NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 09:43:33

Sample: AE09579
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/8/20 00:01 Ended: 5/8/20 00:01 Analyst: MG
Result source: c:\hpchem\1\data\may0802\refa1.d\refa1.rr
Page: 1

	Component Name	Viol	Result	MDL
1	n-Nitrosodimethylamine		12	2.0
2	bis(2-Chloroethyl)ether		17	2.0
3	1,3-Dichlorobenzene		12	2.0
4	1,4-Dichlorobenzene		12	2.0
5	1,2-Dichlorobenzene		14	2.0
6	2,2-oxybis(1-Chloropropane)		18	2.0
7	n-Nitrosodi-n-propylamine		18	2.0
8	Hexachloroethane		7.4	2.0
9	Nitrobenzene		17	2.0
10	Isophorone		20	2.0
11	bis(2-Chloroethoxy)methane		18	2.0
12	1,2,4-Trichlorobenzene		14	2.0
13	Naphthalene		17	2.0
14	Hexachlorobutadiene		6.3	2.0
15	2-Chloronaphthalene		18	2.0
16	Dimethylphthalate		19	2.0
17	2,6-Dinitrotoluene		16	2.0
18	Acenaphthylene		16	2.0
19	Acenaphthene		18	2.0
20	2,4-Dinitrotoluene		17	2.0
21	Diethylphthalate		20	2.0
22	4-Chlorophenylphenylether		17	2.0
23	Fluorene		19	2.0
24	Azobenzene		17	2.0
25	n-Nitrosodiphenylamine		20	2.0
26	4-Bromophenylphenylether		17	2.0
27	Hexachlorobenzene		17	2.0
28	Phenanthrene		19	2.0
29	Anthracene		16	2.0
30	Di-n-butylphthalate		19	2.0
31	Fluoranthene		17	2.0
32	Pyrene		23	2.0
33	Butylbenzylphthalate		20	2.0
34	Benzo(a)anthracene		18	2.0
35	bis(2-Ethylhexyl)phthalate		18	2.0
36	Chrysene		19	2.0
37	Di-n-octylphthalate		16	2.0
38	Benzo(b)fluoranthene		18	2.0
39	Benzo(k)fluoranthene		19	2.0
40	Benzo(a)pyrene		13	2.0
41	Indeno(1,2,3-cd)pyrene		14	2.0
42	Dibenz(a,h)anthracene		14	2.0
43	Benzo(g,h,i)perylene		15	2.0

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 05/10/2002 Time: 09:43:41

Sample: AE09579
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/8/20 00:01 Ended: 5/8/20 00:01 Analyst: MG
Result source: calculation
Page: 1

	Component Name	Viol	Result	MDL
1	n-Nitrosodimethylamine		60	2.0
2	bis(2-Chloroethyl)ether		85	2.0
3	1,3-Dichlorobenzene		60	2.0
4	1,4-Dichlorobenzene		60	2.0
5	1,2-Dichlorobenzene		70	2.0
6	2,2-oxybis(1-Chloropropane)		90	2.0
7	n-Nitrosodi-n-propylamine		90	2.0
8	Hexachloroethane		37	2.0
9	Nitrobenzene		85	2.0
10	Isophorone		100	2.0
11	bis(2-Chloroethoxy)methane		90	2.0
12	1,2,4-Trichlorobenzene		70	2.0
13	Naphthalene		85	2.0
14	Hexachlorobutadiene		32	2.0
15	2-Chloronaphthalene		90	2.0
16	Dimethylphthalate		95	2.0
17	2,6-Dinitrotoluene		80	2.0
18	Acenaphthylene		80	2.0
19	Acenaphthene		90	2.0
20	2,4-Dinitrotoluene		85	2.0
21	Diethylphthalate		100	2.0
22	4-Chlorophenylphenylether		85	2.0
23	Fluorene		95	2.0
24	Azobenzene		85	2.0
25	n-Nitrosodiphenylamine		100	2.0
26	4-Bromophenylphenylether		85	2.0
27	Hexachlorobenzene		85	2.0
28	Phenanthrene		95	2.0
29	Anthracene		80	2.0
30	Di-n-butylphthalate		95	2.0
31	Fluoranthene		85	2.0
32	[illegible]			0
33	Butylbenzylphthalate		100	2.0
34	Benzo(a)anthracene		90	2.0
35	bis(2-Ethylhexyl)phthalate		90	2.0
36	Chrysene		95	2.0
37	Di-n-octylphthalate		80	2.0
38	Benzo(b)fluoranthene		90	2.0
39	Benzo(k)fluoranthene		95	2.0
40	Benzo(a)pyrene		65	2.0
41	Indeno(1,2,3-cd)pyrene		70	2.0
42	Dibenz(a,h)anthracene		70	2.0
43	Benzo(g,h,i)perylene		75	2.0

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA1.D Vial: 14
Acq On : 8 May 2002 11:17 pm Operator:
Sample : GC/MS SCAN 5/7 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:42 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.19	152	454621	40.00	ug/l	0.00
10) Naphthalene-d8	15.83	136	1672961	40.00	ug/l	0.00
17) Acenaphthene-d10	21.14	164	902964	40.00	ug/l	0.00
30) Phenanthrene-d10	25.57	188	1232293	40.00	ug/l	0.00
38) Chrysene-d12	33.64	240	640990	40.00	ug/l	0.00
44) Perylene-d12	37.86	264	358056	40.00	ug/l	0.00
System Monitoring Compounds						
28) TCMX	23.27	209	38487	8.57	ug/L	0.00
Spiked Amount 10.000			Recovery = 85.70%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.82	74	135536	11.84	ug/l	98
3) bis(2-Chloroethyl)ether	11.59	93	254652	17.15	ug/l	97
4) 1,3-Dichlorobenzene	12.09	146	171542	12.18	ug/l	96
5) 1,4-Dichlorobenzene	12.23	146	184228	11.95	ug/l	99
6) 1,2-Dichlorobenzene	12.75	146	187018	13.94	ug/l	99
7) 2,2'-oxybis(1-Chloropropan	13.07	45	521400	18.11	ug/l	98
8) N-Nitroso-di-n-propylamine	13.46	70	193060	18.20	ug/l	97
9) Hexachloroethane	13.60	117	40570	7.40	ug/l	97
11) Nitrobenzene	13.87	77	227593	16.76	ug/l	99
12) Isophorone	14.52	82	536499	20.15	ug/l	97
13) bis(2-Chloroethoxy)methane	15.20	93	306650	17.78	ug/l	100
14) 1,2,4-Trichlorobenzene	15.71	180	157887	13.59	ug/l	98
15) Naphthalene	15.89	128	598726	17.39	ug/l	99
16) Hexachlorobutadiene	16.43	225	33955	6.32	ug/l	98
18) Hexachlorocyclopentadiene	18.63	237	12020	2.63	ug/l	98
19) 2-Chloronaphthalene	19.39	162	360776	18.29	ug/l	99
20) Dimethylphthalate	20.48	163	465578	18.74	ug/l	99
21) 2,6-Dinitrotoluene	20.70	165	87627	16.49	ug/l	93
22) Acenaphthylene	20.66	152	579457	16.48	ug/l	100
23) Acenaphthene	21.23	153	384386	18.34	ug/l	99
24) 2,4-Dinitrotoluene	21.86	165	98393	17.18	ug/l	96
25) Diethylphthalate	22.61	149	450038	20.23	ug/l	99
26) 4-Chlorophenyl-phenylether	22.77	204	189127	17.20	ug/l	99
27) Fluorene	22.74	166	419086	18.97	ug/l	98
29) Azobenzen/ 1,2-Diphenylhyd	23.24	77	471160	17.11	ug/L	97
31) N-Nitrosodiphenylamine	23.15	168	153687	19.97	ug/l	94
32) 4-Bromophenyl-phenylether	24.23	248	104172	17.09	ug/l	97
33) Hexachlorobenzene	24.67	284	121778	17.49	ug/l	95
34) Phenanthrene	25.64	178	550028	18.60	ug/l	99

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

NYC-WTC_000046232

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA1.D Vial: 14
Acq On : 8 May 2002 11:17 pm Operator:
Sample : GC/MS SCAN 5/7 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:42 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	Anthracene	25.77	178	497416	16.17	ug/l	100
36)	Di-n-butylphthalate	27.54	149	718625	18.83	ug/l	100
37)	Fluoranthene	29.27	202	494545	16.74	ug/l	98
39)	Pyrene	29.94	202	507105	23.47	ug/l	95
40)	Butylbenzylphthalate	32.08	149	216579	19.70	ug/l	95
41)	Benzo(a)anthracene	33.58	228	293284	17.60	ug/l	99
42)	Bis(2-ethylhexyl)phthalate	33.86	149	266555	18.28	ug/l	100
43)	Chrysene	33.71	228	319155	19.19	ug/l	99
45)	Di-n-Octylphthalate	35.60	149	296272	15.84	ug/l	99
46)	Benzo(b)fluoranthene	36.68	252	236331	18.41	ug/l	98
47)	Benzo(k)fluoranthene	36.75	252	252282	18.57	ug/l	98
48)	Benzo(a)pyrene	37.67	252	153949	13.27	ug/l	99
49)	Indeno(1,2,3-cd)pyrene	41.94	276	153909	13.97	ug/l	98
50)	Dibenz(a,h)anthracene	42.02	278	126487	14.41	ug/l	100
51)	Benzo(g,h,i)perylene	43.17	276	135712	15.40	ug/l	99

(#) = qualifier out of range (m) = manual integration
REFA1.D GCMS0507.M Thu May 09 15:43:28 2002 Page 2

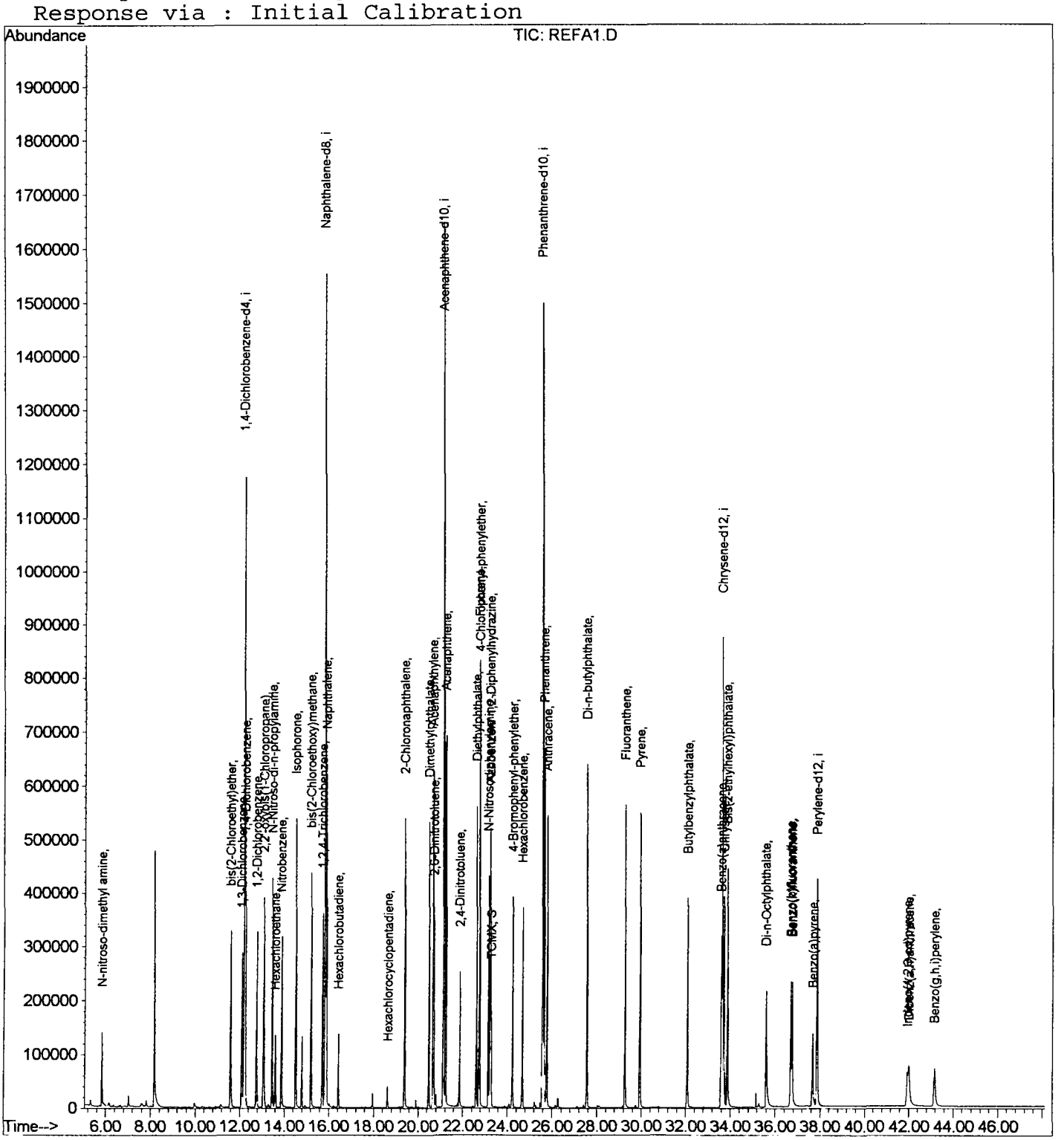
NYC-WTC_000046233

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA1.D Vial: 14
Acq On : 8 May 2002 11:17 pm Operator:
Sample : GC/MS SCAN 5/7 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:42 2002 Quant Results File: GCMS0507.RES

Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration



NYC-WTC_000046234

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA2.D Vial: 15
Acq On : 9 May 2002 12:16 am Operator:
Sample : GC/MS SCAN 5/7 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:43 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.19	152	424633	40.00	ug/l	0.00
10) Naphthalene-d8	15.82	136	1557358	40.00	ug/l	-0.01
17) Acenaphthene-d10	21.14	164	847603	40.00	ug/l	0.00
30) Phenanthrene-d10	25.57	188	1140398	40.00	ug/l	0.00
38) Chrysene-d12	33.64	240	597788	40.00	ug/l	0.00
44) Perylene-d12	37.86	264	338400	40.00	ug/l	0.00
System Monitoring Compounds						
28) TCMX	23.27	209	38995	9.25	ug/L	0.00
Spiked Amount 10.000			Recovery = 92.50%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.83	74	124140	11.61	ug/l	99
3) bis(2-Chloroethyl)ether	11.59	93	238428	17.19	ug/l	95
4) 1,3-Dichlorobenzene	12.09	146	168895	12.84	ug/l	97
5) 1,4-Dichlorobenzene	12.24	146	181937	12.64	ug/l	99
6) 1,2-Dichlorobenzene	12.75	146	184256	14.70	ug/l	98
7) 2,2'-oxybis(1-Chloropropan	13.07	45	492679	18.32	ug/l	98
8) N-Nitroso-di-n-propylamine	13.46	70	180235	18.19	ug/l	98
9) Hexachloroethane	13.60	117	43148	8.42	ug/l	98
11) Nitrobenzene	13.87	77	216838	17.15	ug/l	97
12) Isophorone	14.52	82	506868	20.45	ug/l	97
13) bis(2-Chloroethoxy)methane	15.20	93	289066	18.00	ug/l	100
14) 1,2,4-Trichlorobenzene	15.71	180	154984	14.33	ug/l	99
15) Naphthalene	15.89	128	576147	17.98	ug/l	100
16) Hexachlorobutadiene	16.43	225	39557	7.90	ug/l	99
18) Hexachlorocyclopentadiene	18.63	237	13107	3.05	ug/l	99
19) 2-Chloronaphthalene	19.39	162	352568	19.04	ug/l	98
20) Dimethylphthalate	20.48	163	435414	18.67	ug/l	100
21) 2,6-Dinitrotoluene	20.70	165	83373	16.72	ug/l	95
22) Acenaphthylene	20.66	152	551783	16.72	ug/l	99
23) Acenaphthene	21.22	153	367882	18.70	ug/l	100
24) 2,4-Dinitrotoluene	21.86	165	94625	17.60	ug/l	96
25) Diethylphthalate	22.61	149	419451	20.09	ug/l	99
26) 4-Chlorophenyl-phenylether	22.77	204	181338	17.57	ug/l	99
27) Fluorene	22.74	166	396982	19.14	ug/l	99
29) Azobenzen/ 1,2-Diphenylhyd	23.24	77	441527	17.08	ug/L	97
31) N-Nitrosodiphenylamine	23.15	168	141359	19.84	ug/l	98
32) 4-Bromophenyl-phenylether	24.23	248	99076	17.57	ug/l	98
33) Hexachlorobenzene	24.67	284	119810	18.59	ug/l	98
34) Phenanthrene	25.64	178	523958	19.15	ug/l	100

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

NYC-WTC_000046235

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA2.D Vial: 15
Acq On : 9 May 2002 12:16 am Operator:
Sample : GC/MS SCAN 5/7 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 9 15:43 2002 Quant Results File: GCMS0507.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0507

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Anthracene	25.77	178	476593	16.74 ug/l	99
36)	Di-n-butylphthalate	27.55	149	676682	19.16 ug/l	99
37)	Fluoranthene	29.27	202	468230	17.13 ug/l	99
39)	Pyrene	29.94	202	478779	23.76 ug/l	94
40)	Butylbenzylphthalate	32.08	149	202909	19.79 ug/l	94
41)	Benzo(a)anthracene	33.58	228	278995	17.95 ug/l	99
42)	Bis(2-ethylhexyl)phthalate	33.86	149	248356	18.26 ug/l	100
43)	Chrysene	33.71	228	306151	19.73 ug/l	99
45)	Di-n-Octylphthalate	35.60	149	276919	15.66 ug/l	99
46)	Benzo(b)fluoranthene	36.68	252	230089	18.97 ug/l	99
47)	Benzo(k)fluoranthene	36.75	252	243941	19.00 ug/l	98
48)	Benzo(a)pyrene	37.67	252	147370	13.44 ug/l	99
49)	Indeno(1,2,3-cd)pyrene	41.94	276	153046	14.70 ug/l	98
50)	Dibenz(a,h)anthracene	42.01	278	125988	15.19 ug/l	100
51)	Benzo(g,h,i)perylene	43.17	276	134548	16.15 ug/l	98

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

NYC-WTC_000046236

NYC 9/11 Public Portal Document

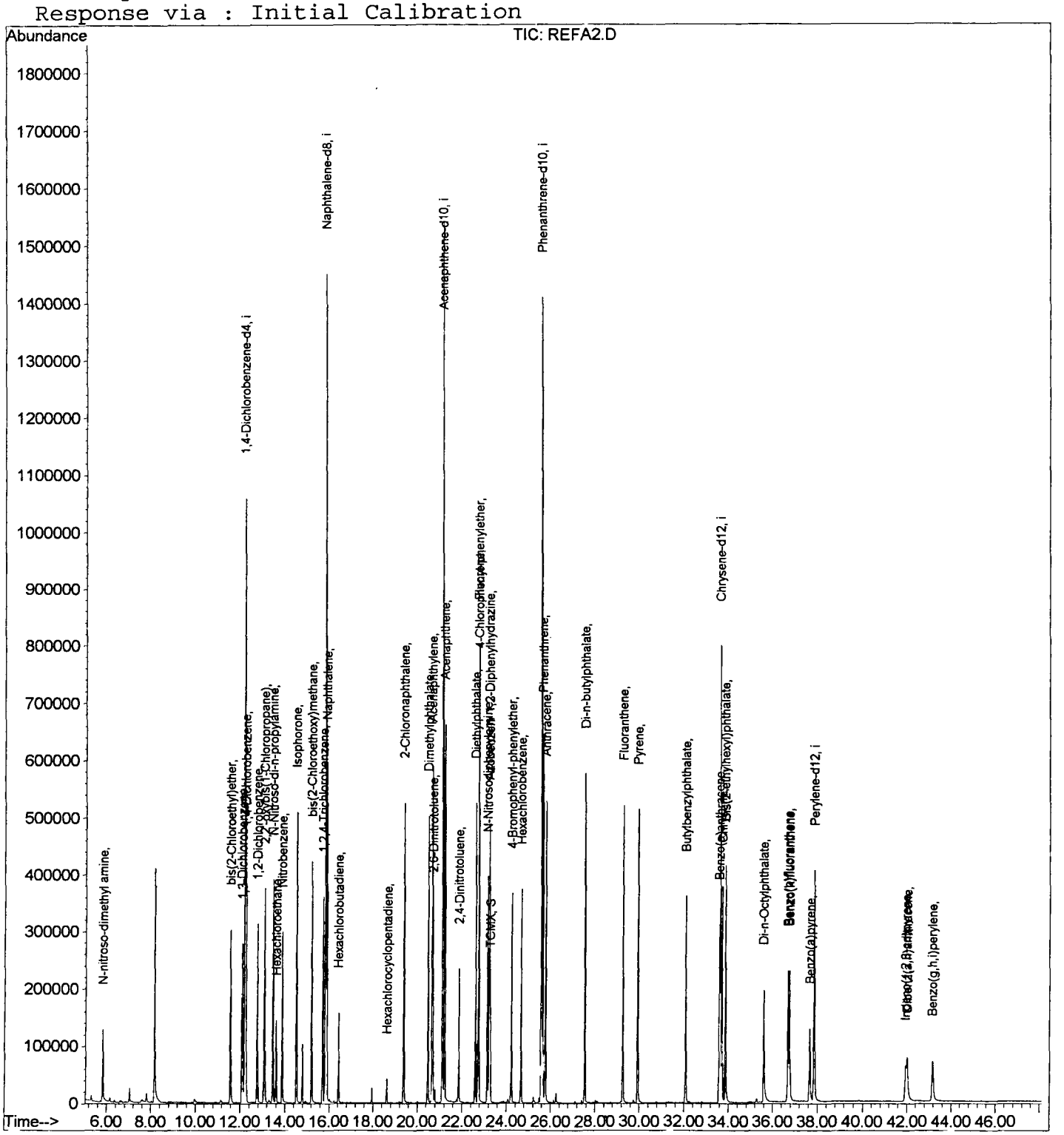
Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY0802\REFA2.D
Acq On : 9 May 2002 12:16 am
Sample : GC/MS SCAN 5/7
Misc :
MS Integration Params: GOOFY.P
Quant Time: May 9 15:43 2002

Vial: 15
Operator:
Inst : 209
Multiplr: 1.00

Quant Results File: GCMS0507.RES

Method : C:\HPCHEM\1\METHODS\GCMS0507.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu May 09 14:27:53 2002
Response via : Initial Calibration



NYC-WTC_000046237