NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 05/02/2002 Time: 15:01:01

Sample: AE09392
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 5/1/20 00:03 Ended: 5/1/20 00:03 Analyst: MG
Result source: c:\hpchem\1\data\may0102\ref2.d\ref2.rr
Page: 1

	Component Name	Viol	Result	MDL
1	n-Nitrosodimethylamine		12	2.0
2	bis(2-Chloroethyl)ether		18	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		19	2.0
8	Hexachloroethane		6.5	2.0
9	Nitrobenzene		17	2.0
10	Isophorone		15	2.0
11	bis(2-Chloroethoxy)methane		18	2.0
12	1,2,4-Trichlorobenzene		14	2.0
13	Naphthalene		18	2.0
14	Hexachlorobutadiene		5.3	2.0
15	2-Chloronaphthalene		20	2.0
16	Dimethylphthalate		20	2.0
17	2,6-Dinitrotoluene		17	2.0
18	Acenaphthylene		17	2.0
19	Acenaphthene		19	2.0
20	2,4-Dinitrotoluene		18	2.0
21	Diethylphthalate		21	2.0
22	4-Chlorophenylphenylether		18	2.0
23	Fluorene		20	2.0
24	Azobenzene		19	2.0
25	n-Nitrosodiphenylamine		16	2.0
26	4-Bromophenylphenylether		18	2.0
27	Hexachlorobenzene		19	2.0
28	Phenanthrene		20	2.0
29	Anthracene		17	2.0
30	Di-n-butylphthalate		20	2.0
31	Fluoranthene		19	2.0
32	Pyrene		20	2.0
33	Butylbenzylphthalate		19	2.0
34	Benzo(a)anthracene		19	2.0
35	bis(2-Ethylhexyl)phthalate		20	2.0
36	Chrysene		20	2.0
37	Di-n-octylphthalate		17	2.0
38	Benzo(b)fluoranthene		20	2.0
39	Benzo(k)fluoranthene		19	2.0
40	Benzo(a)pyrene		14	2.0
41	Indeno(1,2,3-cd)pyrene		18	2.0
42	Dibenz(a,h)anthracene		20	2.0
43	Benzo(g,h,i)perylene		20	2.0

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 05/02/2002 Time: 15:01:12

Sample: AE09392
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 5/1/20 00:03 Ended: 5/1/20 00:03 Analyst: MG
Result source: calculation
Page: 1

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

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Data File : C:\HPCHEM\1\DATA\MAY0102\REF2.D Vial: 9
Acq On : 1 May 2002 3:23 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:40 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.20	152	448911	40.00	ug/l	-0.01
10) Naphthalene-d8	15.84	136	1654253	40.00	ug/l	-0.01
17) Acenaphthene-d10	21.15	164	876906	40.00	ug/l	0.00
30) Phenanthrene-d10	25.58	188	1265290	40.00	ug/l	-0.01
38) Chrysene-d12	33.65	240	873282	40.00	ug/l	-0.02
44) Perylene-d12	37.87	264	553471	40.00	ug/l	-0.01
System Monitoring Compounds						
28) TCMX	23.28	209	35374	8.29	ug/L	-0.01
Spiked Amount 10.000			Recovery = 82.90%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.85	74	144107	11.74	ug/l	96
3) bis(2-Chloroethyl)ether	11.60	93	284959	17.90	ug/l	99
4) 1,3-Dichlorobenzene	12.10	146	168009	12.01	ug/l	100
5) 1,4-Dichlorobenzene	12.25	146	184074	12.04	ug/l	100
6) 1,2-Dichlorobenzene	12.76	146	188354	14.21	ug/l	99
7) 2,2'-oxybis(1-Chloropropan	13.08	45	597362	18.15	ug/l	100
8) N-Nitroso-di-n-propylamine	13.47	70	225190	18.87	ug/l	99
9) Hexachloroethane	13.61	117	37170	6.47	ug/l	98
11) Nitrobenzene	13.89	77	256938	17.05	ug/l	100
12) Isophorone	14.53	82	451959	15.47	ug/l	99
13) bis(2-Chloroethoxy)methane	15.22	93	339520	18.32	ug/l	100
14) 1,2,4-Trichlorobenzene	15.72	180	154876	13.82	ug/l	99
15) Naphthalene	15.90	128	635468	18.35	ug/l	100
16) Hexachlorobutadiene	16.44	225	27419	5.33	ug/l	98
18) Hexachlorocyclopentadiene	18.64	237	4603	1.04	ug/l	97
19) 2-Chloronaphthalene	19.40	162	378881	19.57	ug/l	100
20) Dimethylphthalate	20.49	163	481316	19.53	ug/l	99
21) 2,6-Dinitrotoluene	20.71	165	90295	16.86	ug/l	99
22) Acenaphthylene	20.67	152	580142	16.65	ug/l	100
23) Acenaphthene	21.24	153	396809	19.41	ug/l	100
24) 2,4-Dinitrotoluene	21.87	165	104180	18.14	ug/l	98
25) Diethylphthalate	22.62	149	478777	21.41	ug/l	99
26) 4-Chlorophenyl-phenylether	22.78	204	193655	18.31	ug/l	98
27) Fluorene	22.75	166	443930	20.37	ug/l	99
29) Azobenzen/ 1,2-Diphenylhyd	23.25	77	557952	18.57	ug/L	98
31) N-Nitrosodiphenylamine	23.16	168	133576	15.92	ug/l	95
32) 4-Bromophenyl-phenylether	24.24	248	108419	17.64	ug/l	97
33) Hexachlorobenzene	24.68	284	127071	18.51	ug/l	94
34) Phenanthrene	25.66	178	601760	19.62	ug/l	99

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

NYC-WTC_000043052

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Data File : C:\HPCHEM\1\DATA\MAY0102\REF2.D Vial: 9
Acq On : 1 May 2002 3:23 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:40 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

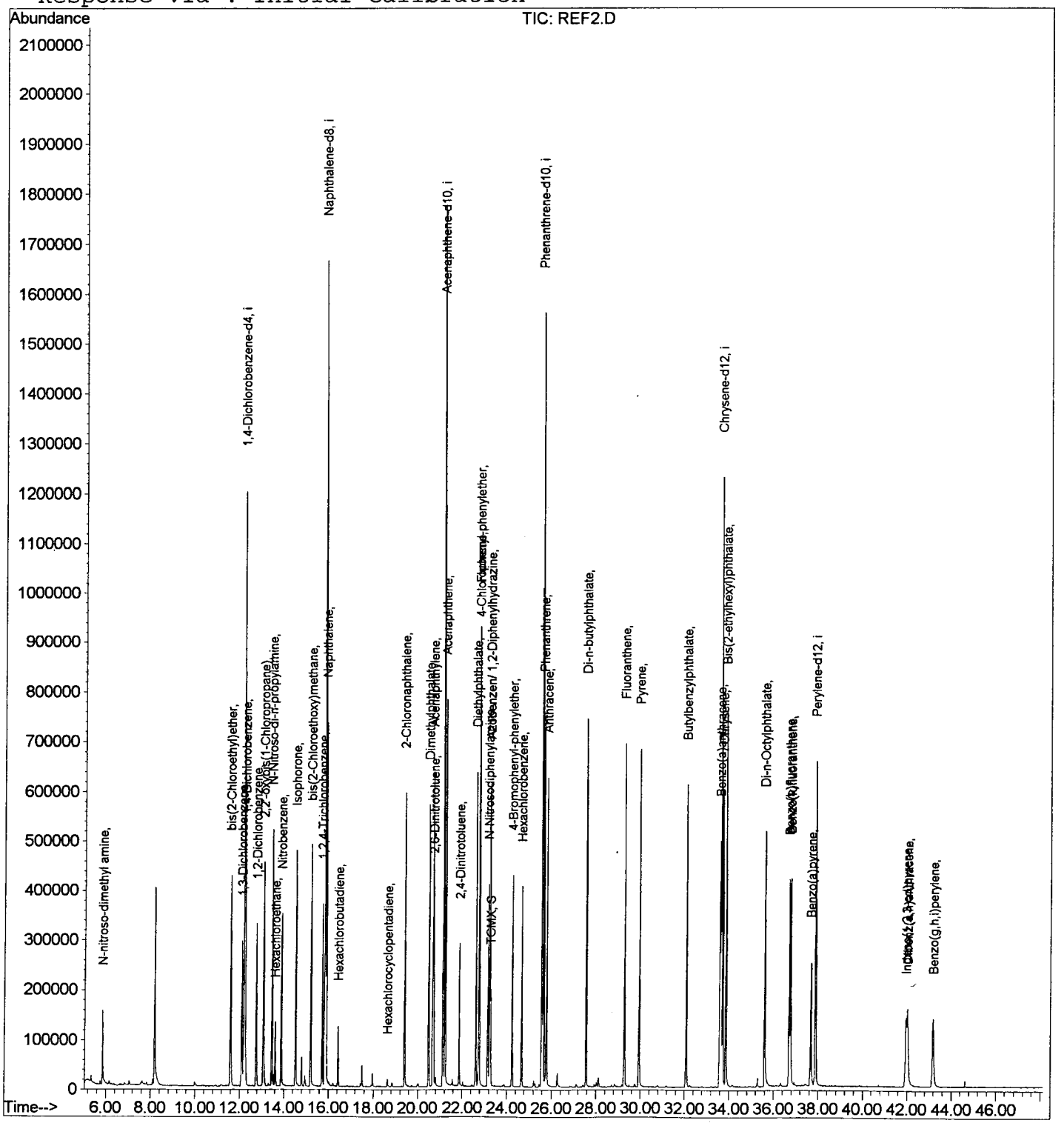
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
35)	Anthracene	25.78	178	534331	16.54 ug/l		100
36)	Di-n-butylphthalate	27.55	149	822955	19.62 ug/l		100
37)	Fluoranthene	29.28	202	589924	19.25 ug/l		99
39)	Pyrene	29.94	202	608994	20.18 ug/l		100
40)	Butylbenzylphthalate	32.08	149	303639	18.75 ug/l		99
41)	Benzo(a)anthracene	33.59	228	451088	19.21 ug/l		100
42)	Bis(2-ethylhexyl)phthalate	33.86	149	407391	19.55 ug/l		100
43)	Chrysene	33.72	228	466332	20.43 ug/l		99
45)	Di-n-Octylphthalate	35.60	149	559489	17.09 ug/l	#	98
46)	Benzo(b)fluoranthene	36.69	252	408450	20.22 ug/l		100
47)	Benzo(k)fluoranthene	36.76	252	399324	19.10 ug/l		98
48)	Benzo(a)pyrene	37.68	252	260179	13.99 ug/l		98
49)	Indeno(1,2,3-cd)pyrene	41.96	276	282117	18.02 ug/l		98
50)	Dibenz(a,h)anthracene	42.03	278	246346	19.90 ug/l		99
51)	Benzo(g,h,i)perylene	43.19	276	239394	19.98 ug/l		98

(#) = qualifier out of range (m) = manual integration
REF2.D GCMS0501.M Thu May 02 11:43:39 2002 Page 2

NYC-WTC_000043053

Data File : C:\HPCHEM\1\DATA\MAY0102\REF2.D Vial: 9
Acq On : 1 May 2002 3:23 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:40 2002 Quant Results File: GCMS0501.RES

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration



NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\MAY0102\REF1.D Vial: 8
Acq On : 1 May 2002 2:29 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:38 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	471474	40.00	ug/l	0.00
10) Naphthalene-d8	15.84	136	1748285	40.00	ug/l	0.00
17) Acenaphthene-d10	21.15	164	923146	40.00	ug/l	0.00
30) Phenanthrene-d10	25.59	188	1319676	40.00	ug/l	0.00
38) Chrysene-d12	33.65	240	893877	40.00	ug/l	-0.02
44) Perylene-d12	37.87	264	549987	40.00	ug/l	0.00
System Monitoring Compounds						
28) TCMX	23.29	209	36027	8.02	ug/L	0.00
Spiked Amount 10.000			Recovery = 80.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.86	74	151017	11.72	ug/l	96
3) bis(2-Chloroethyl)ether	11.60	93	297104	17.77	ug/l	98
4) 1,3-Dichlorobenzene	12.11	146	168214	11.45	ug/l	97
5) 1,4-Dichlorobenzene	12.25	146	184483	11.49	ug/l	99
6) 1,2-Dichlorobenzene	12.77	146	192766	13.85	ug/l	99
7) 2,2'-oxybis(1-Chloropropan	13.09	45	630794	18.25	ug/l	99
8) N-Nitroso-di-n-propylamine	13.47	70	234739	18.73	ug/l	98
9) Hexachloroethane	13.62	117	34939	5.79	ug/l	99
11) Nitrobenzene	13.88	77	267866	16.82	ug/l	97
12) Isophorone	14.53	82	471434	15.27	ug/l	99
13) bis(2-Chloroethoxy)methane	15.21	93	355214	18.13	ug/l	99
14) 1,2,4-Trichlorobenzene	15.73	180	157871	13.33	ug/l	99
15) Naphthalene	15.90	128	657137	17.95	ug/l	99
16) Hexachlorobutadiene	16.44	225	23978	4.41	ug/l	98
18) Hexachlorocyclopentadiene	18.64	237	4013	0.86	ug/l	96
19) 2-Chloronaphthalene	19.40	162	387633	19.02	ug/l	100
20) Dimethylphthalate	20.49	163	498340	19.20	ug/l	100
21) 2,6-Dinitrotoluene	20.71	165	93383	16.56	ug/l	99
22) Acenaphthylene	20.67	152	603045	16.44	ug/l	99
23) Acenaphthene	21.23	153	406943	18.91	ug/l	99
24) 2,4-Dinitrotoluene	21.87	165	107069	17.71	ug/l	100
25) Diethylphthalate	22.63	149	498986	21.20	ug/l	99
26) 4-Chlorophenyl-phenylether	22.78	204	197206	17.71	ug/l	99
27) Fluorene	22.75	166	457964	19.96	ug/l	100
29) Azobenzen/ 1,2-Diphenylhyd	23.24	77	568255	17.97	ug/L	98
31) N-Nitrosodiphenylamine	23.17	168	112577	12.87	ug/l	98
32) 4-Bromophenyl-phenylether	24.25	248	111061	17.32	ug/l	98
33) Hexachlorobenzene	24.68	284	131659	18.39	ug/l	97
34) Phenanthrene	25.65	178	618710	19.35	ug/l	100

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

NYC-WTC_000043055

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\MAY0102\REF1.D Vial: 8
Acq On : 1 May 2002 2:29 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:38 2002 Quant Results File: GCMS0501.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0501

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
35)	Anthracene	25.78	178	543465	16.13	ug/l	99
36)	Di-n-butylphthalate	27.56	149	859918	19.66	ug/l	99
37)	Fluoranthene	29.27	202	611131	19.12	ug/l	98
39)	Pyrene	29.95	202	634826	20.56	ug/l	99
40)	Butylbenzylphthalate	32.08	149	319005	19.24	ug/l	99
41)	Benzo(a)anthracene	33.58	228	464268	19.32	ug/l	99
42)	Bis(2-ethylhexyl)phthalate	33.86	149	420488	19.71	ug/l	100
43)	Chrysene	33.71	228	477300	20.43	ug/l	99
45)	Di-n-Octylphthalate	35.60	149	586120	18.02	ug/l	99
46)	Benzo(b)fluoranthene	36.69	252	368468	18.36	ug/l	99
47)	Benzo(k)fluoranthene	36.76	252	397945	19.16	ug/l	99
48)	Benzo(a)pyrene	37.67	252	254126	13.75	ug/l	99
49)	Indeno(1,2,3-cd)pyrene	41.95	276	265511	17.07	ug/l	96
50)	Dibenz(a,h)anthracene	42.02	278	230574	18.74	ug/l	100
51)	Benzo(g,h,i)perylene	43.18	276	226722	19.04	ug/l	99

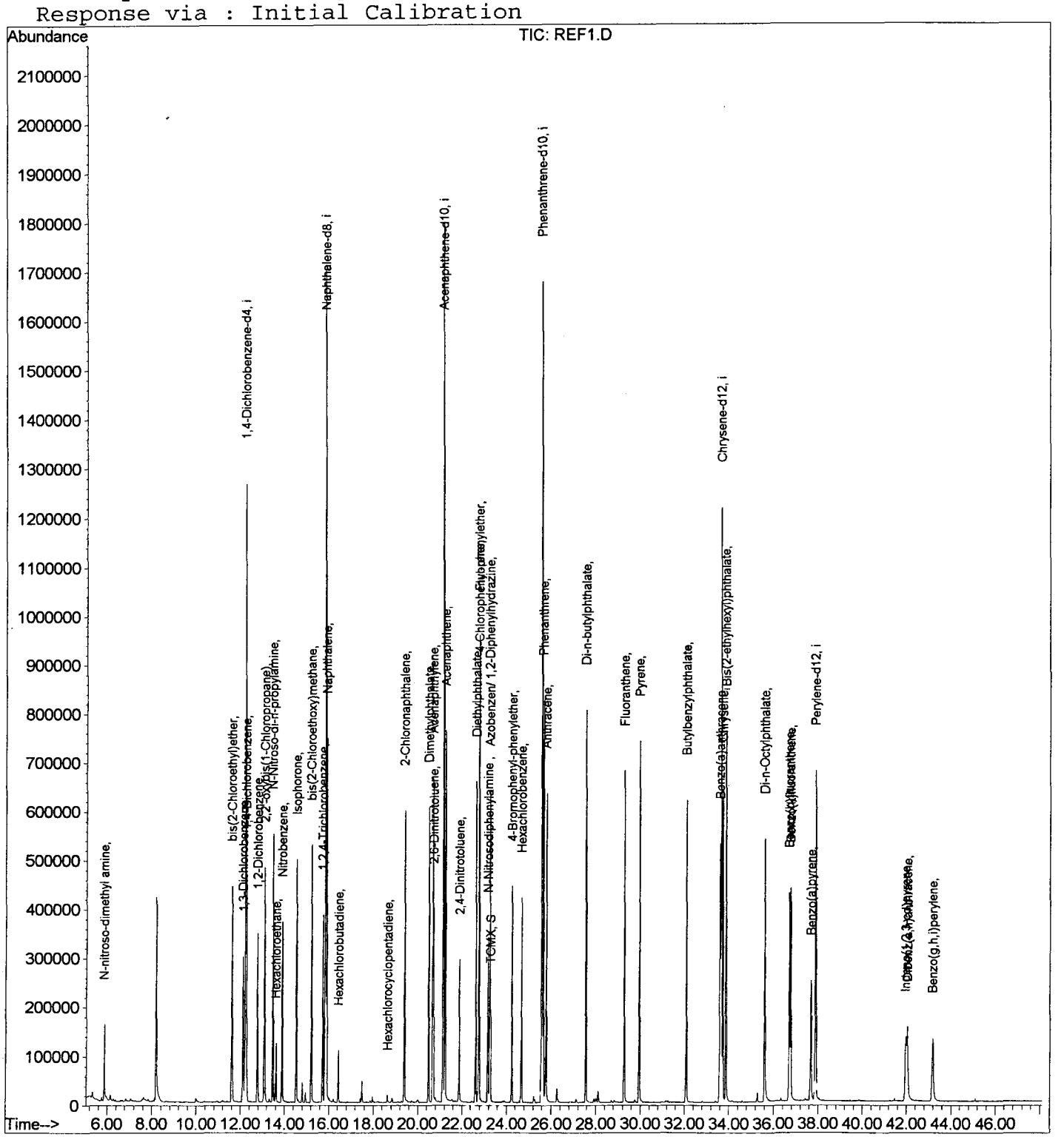
(#) = qualifier out of range (m) = manual integration

NYC-WTC_000043056

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\MAY0102\REF1.D Vial: 8
Acq On : 1 May 2002 2:29 pm Operator:
Sample : gc/ms scan 4/18 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: May 2 11:38 2002 Quant Results File: GCMS0501.RES

Method : C:\HPCHEM\1\METHODS\GCMS0501.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed May 01 10:40:31 2002
Response via : Initial Calibration



NYC-WTC_000043057