NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 06/03/2002 Time: 13:13:11

Sample: AE12094
Analysis: $REGCMS Reference for GCMS Scan
Units: ug
Started: 6/1/20 00:02 Ended: 6/1/20 00:02 Analyst: MG
Result source: c:\hpchem\1\data\may3102\refa1.d\refa1.rr
Page: 1

	Component Name	Vial	Result	MDL
1	n-Nitrosodimethylamine		9.7	2.0
2	bis(2-Chloroethyl)ether		14	2.0
3	1,3-Dichlorobenzene		13	2.0
4	1,4-Dichlorobenzene		13	2.0
5	1,2-Dichlorobenzene		14	2.0
6	2,2-oxybis(1-Chloropropane)		15	2.0
7	n-Nitrosodi-n-propylamine		15	2.0
8	Hexachloroethane		9.8	2.0
9	Nitrobenzene		14	2.0
10	Isophorone		17	2.0
11	bis(2-Chloroethoxy)methane		15	2.0
12	1,2,4-Trichlorobenzene		14	2.0
13	Naphthalene		16	2.0
14	Hexachlorobutadiene		10	2.0
15	2-Chloronaphthalene		17	2.0
16	Dimethylphthalate		17	2.0
17	2,6-Dinitrotoluene		15	2.0
18	Acenaphthylene		15	2.0
19	Acenaphthene		17	2.0
20	2,4-Dinitrotoluene		16	2.0
21	Diethylphthalate		18	2.0
22	4-Chlorophenylphenylether		17	2.0
23	Fluorene		18	2.0
24	Azobenzene		15	2.0
25	n-Nitrosodiphenylamine		18	2.0
26	4-Bromophenylphenylether		17	2.0
27	Hexachlorobenzene		18	2.0
28	Phenanthrene		17	2.0
29	Anthracene		16	2.0
30	Di-n-butylphthalate		18	2.0
31	Fluoranthene		17	2.0
32	Pyrene		18	2.0
33	Butylbenzylphthalate		17	2.0
34	Benzo(a)anthracene		17	2.0
35	bis(2-Ethylhexyl)phthalate		17	2.0
36	Chrysene		18	2.0
37	Di-n-octylphthalate		15	2.0
38	Benzo(b)fluoranthene		16	2.0
39	Benzo(k)fluoranthene		17	2.0
40	Benzo(a)pyrene		13	2.0
41	Indeno(1,2,3-cd)pyrene		15	2.0
42	Dibenz(a,h)anthracene		16	2.0
43	Benzo(g,h,i)perylene		16	2.0

NYC 9/11 Public Portal Document

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 06/03/2002 Time: 13:13:35

Sample: AE12094
Analysis: $Q_GCMS Ref calc for GCMS Scan
Units: ug
Started: 6/1/20 00:02 Ended: 6/1/20 00:02 Analyst: MG
Result source: calculation
Page: 1

	Component Name	Viol	Result	MDL
1	n-Nitrosodimethylamine		48	2.0
2	bis(2-Chloroethyl)ether		70	2.0
3	1,3-Dichlorobenzene		65	2.0
4	1,4-Dichlorobenzene		65	2.0
5	1,2-Dichlorobenzene		70	2.0
6	2,2-oxybis(1-Chloropropane)		75	2.0
7	n-Nitrosodi-n-propylamine		75	2.0
8	Hexachloroethane		49	2.0
9	Nitrobenzene		70	2.0
10	Isophorone		85	2.0
11	bis(2-Chloroethoxy)methane		75	2.0
12	1,2,4-Trichlorobenzene		70	2.0
13	Naphthalene		80	2.0
14	Hexachlorobutadiene		50	2.0
15	2-Chloronaphthalene		85	2.0
16	Dimethylphthalate		85	2.0
17	2,6-Dinitrotoluene		75	2.0
18	Acenaphthylene		75	2.0
19	Acenaphthene		85	2.0
20	2,4-Dinitrotoluene		80	2.0
21	Diethylphthalate		90	2.0
22	4-Chlorophenylphenylether		85	2.0
23	Fluorene		90	2.0
24	Azobenzene		75	2.0
25	n-Nitrosodiphenylamine		90	2.0
26	4-Bromophenylphenylether		85	2.0
27	Hexachlorobenzene		90	2.0
28	Phenanthrene		85	2.0
29	Anthracene		80	2.0
30	Di-n-butylphthalate		90	2.0
31	Fluoranthene		85	2.0
32	Pyrene		90	2.0
33	Butylbenzylphthalate		85	2.0
34	Benzo(a)anthracene		85	2.0
35	bis(2-Ethylhexyl)phthalate		85	2.0
36	Chrysene		90	2.0
37	Di-n-octylphthalate		75	2.0
38	Benzo(b)fluoranthene		80	2.0
39	Benzo(k)fluoranthene		85	2.0
40	Benzo(a)pyrene		65	2.0
41	Indeno(1,2,3-cd)pyrene		75	2.0
42	Dibenz(a,h)anthracene		80	2.0
43	Benzo(g,h,i)perylene		80	2.0

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA1.D Vial: 14
Acq On : 1 Jun 2002 12:47 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:29 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.06	152	519699	40.00	ug/l	-0.02
10) Naphthalene-d8	15.70	136	2094747	40.00	ug/l	-0.02
17) Acenaphthene-d10	20.99	164	1007432	40.00	ug/l	0.00
30) Phenanthrene-d10	25.43	188	1580567	40.00	ug/l	0.00
38) Chrysene-d12	33.48	240	1014478	40.00	ug/l	-0.03
44) Perylene-d12	37.66	264	660624	40.00	ug/l	-0.03
System Monitoring Compounds						
28) TCMX	23.13	209	216748	31.10	ug/L	-0.02
Spiked Amount 40.000			Recovery = 77.75%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	5.73	74	154016	9.68	ug/l	97
3) bis(2-Chloroethyl)ether	11.46	93	292553	14.07	ug/l	98
4) 1,3-Dichlorobenzene	11.97	146	265643	12.86	ug/l	99
5) 1,4-Dichlorobenzene	12.11	146	284175	12.71	ug/l	99
6) 1,2-Dichlorobenzene	12.62	146	276805	14.06	ug/l	100
7) 2,2'-oxybis(1-Chloropropan	12.95	45	477791	14.71	ug/l	99
8) N-Nitrosodi-n-propylamine	13.34	70	209541	14.59	ug/l	98
9) Hexachloroethane	13.47	117	86238	9.76	ug/l	94
11) Nitrobenzene	13.74	77	274370	14.19	ug/l	98
12) Isophorone	14.39	82	609697	16.80	ug/l	99
13) bis(2-Chloroethoxy)methane	15.08	93	354177	14.86	ug/l	97
14) 1,2,4-Trichlorobenzene	15.59	180	228654	14.08	ug/l	98
15) Naphthalene	15.75	128	882705	16.01	ug/l	100
16) Hexachlorobutadiene	16.30	225	74984	10.49	ug/l	99
18) Hexachlorocyclopentadiene	18.49	237	23742	3.84	ug/l	98
19) 2-Chloronaphthalene	19.25	162	464777	17.32	ug/l	99
20) Dimethylphthalate	20.35	163	579976	17.01	ug/l	99
21) 2,6-Dinitrotoluene	20.56	165	117744	15.29	ug/l	98
22) Acenaphthylene	20.52	152	720678	14.97	ug/l	100
23) Acenaphthene	21.09	153	481440	16.60	ug/l	99
24) 2,4-Dinitrotoluene	21.73	165	145247	16.11	ug/l	99
25) Diethylphthalate	22.48	149	582619	18.44	ug/l	100
26) 4-Chlorophenylphenylether	22.63	204	257300	17.13	ug/l	98
27) Fluorene	22.60	166	536896	18.23	ug/l	99
29) Azobenzene	23.10	77	584187	14.97	ug/L	95
31) N-Nitrosodiphenylamine	23.02	168	207876	18.01	ug/l	96
32) 4-Bromophenylphenylether	24.10	248	130921	16.51	ug/l	95
33) Hexachlorobenzene	24.52	284	153418	17.67	ug/l	96
34) Phenanthrene	25.49	178	774890	17.44	ug/l	100

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

NYC-WTC_000014970

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA1.D Vial: 14
Acq On : 1 Jun 2002 12:47 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:29 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Anthracene	25.62	178	725923	15.66	ug/l		99
36)	Di-n-butylphthalate	27.41	149	1037850	18.23	ug/l		99
37)	Fluoranthene	29.11	202	800565	16.95	ug/l		100
39)	Pyrene	29.79	202	838455	18.41	ug/l		95
40)	Butylbenzylphthalate	31.93	149	385355	16.54	ug/l		99
41)	Benzo(a)anthracene	33.42	228	564127	16.89	ug/l		99
42)	Bis(2-ethylhexyl)phthalate	33.71	149	512358	16.73	ug/l		99
43)	Chrysene	33.55	228	593278	17.91	ug/l		99
45)	Di-n-Octylphthalate	35.45	149	699563	14.56	ug/l	#	98
46)	Benzo(b)fluoranthene	36.51	252	448250	16.08	ug/l		99
47)	Benzo(k)fluoranthene	36.57	252	501033	17.34	ug/l		98
48)	Benzo(a)pyrene	37.46	252	341613	12.68	ug/l		99
49)	Indeno(1,2,3-cd)pyrene	41.61	276	367184	14.55	ug/l		99
50)	Dibenz(a,h)anthracene	41.69	278	319071	16.06	ug/l		99
51)	Benzo(g,h,i)perylene	42.81	276	325729	15.83	ug/l		98

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

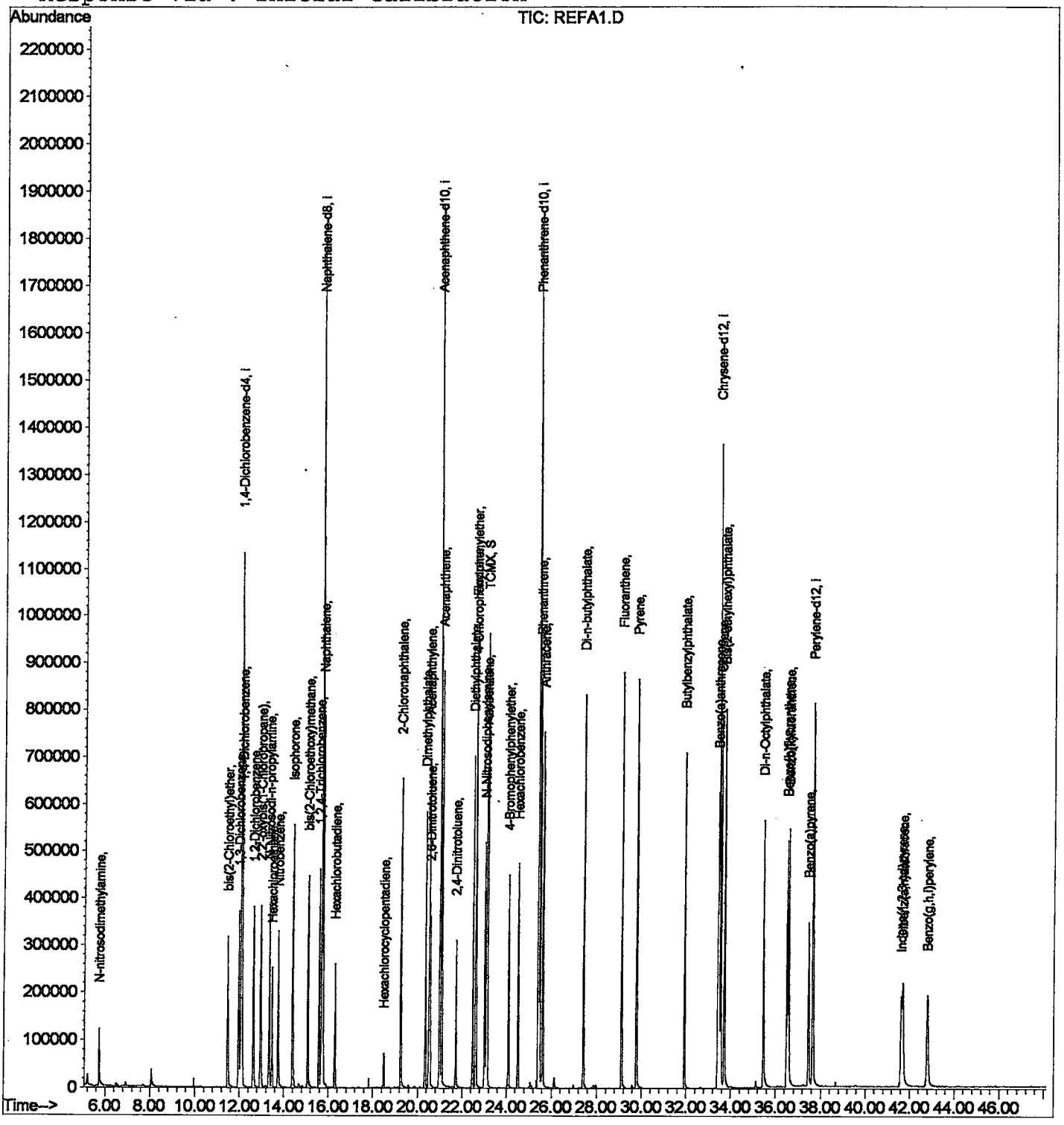
NYC-WTC_000014971

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA1.D Vial: 14
Acq On : 1 Jun 2002 12:47 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:29 2002 Quant Results File: GCMS0531.RES

Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration



NYC-WTC_000014972

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA2.D Vial: 15
Acq On : 1 Jun 2002 1:46 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:31 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.06	152	514214	40.00	ug/l	-0.01
10) Naphthalene-d8	15.69	136	2081026	40.00	ug/l	-0.02
17) Acenaphthene-d10	21.00	164	996978	40.00	ug/l	0.00
30) Phenanthrene-d10	25.43	188	1580441	40.00	ug/l	0.00
38) Chrysene-d12	33.48	240	1043006	40.00	ug/l	-0.02
44) Perylene-d12	37.66	264	679960	40.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	23.14	209	212543	30.81	ug/L	-0.01
Spiked Amount 40.000			Recovery = 77.03%			
Target Compounds						Qvalue
2) N-nitrosodimethylamine	5.73	74	147011	9.34	ug/l	98
3) bis(2-Chloroethyl)ether	11.47	93	284139	13.82	ug/l	99
4) 1,3-Dichlorobenzene	11.96	146	253438	12.40	ug/l	100
5) 1,4-Dichlorobenzene	12.11	146	269005	12.16	ug/l	99
6) 1,2-Dichlorobenzene	12.62	146	264560	13.58	ug/l	99
7) 2,2'-oxybis(1-Chloropropan	12.95	45	470944	14.65	ug/l	99
8) N-Nitrosodi-n-propylamine	13.33	70	205446	14.45	ug/l	99
9) Hexachloroethane	13.47	117	80625	9.23	ug/l	98
11) Nitrobenzene	13.74	77	267968	13.95	ug/l	98
12) Isophorone	14.40	82	589037	16.34	ug/l	97
13) bis(2-Chloroethoxy)methane	15.08	93	347917	14.69	ug/l	99
14) 1,2,4-Trichlorobenzene	15.58	180	219433	13.60	ug/l	99
15) Naphthalene	15.75	128	855528	15.62	ug/l	100
16) Hexachlorobutadiene	16.30	225	69767	9.82	ug/l	97
18) Hexachlorocyclopentadiene	18.49	237	21778	3.56	ug/l	99
19) 2-Chloronaphthalene	19.25	162	449552	16.93	ug/l	99
20) Dimethylphthalate	20.34	163	555444	16.46	ug/l	98
21) 2,6-Dinitrotoluene	20.56	165	114822	15.06	ug/l	98
22) Acenaphthylene	20.52	152	693791	14.56	ug/l	100
23) Acenaphthene	21.08	153	470674	16.40	ug/l	99
24) 2,4-Dinitrotoluene	21.73	165	145603	16.32	ug/l	97
25) Diethylphthalate	22.48	149	566585	18.13	ug/l	100
26) 4-Chlorophenylphenylether	22.63	204	251596	16.92	ug/l	99
27) Fluorene	22.60	166	522520	17.93	ug/l	98
29) Azobenzene	23.09	77	571601	14.80	ug/L	99
31) N-Nitrosodiphenylamine	23.02	168	206684	17.91	ug/l	97
32) 4-Bromophenylphenylether	24.09	248	128766	16.24	ug/l	96
33) Hexachlorobenzene	24.52	284	149427	17.21	ug/l	99
34) Phenanthrene	25.49	178	761999	17.15	ug/l	100

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

NYC-WTC_000014973

NYC 9/11 Public Portal Document

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA2.D Vial: 15
Acq On : 1 Jun 2002 1:46 am Operator: Morgan
Sample : gc/ms scan 5/30 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:31 2002 Quant Results File: GCMS0531.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0531

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35)	Anthracene	25.62	178	715372	15.43	ug/l		100
36)	Di-n-butylphthalate	27.40	149	1015949	17.84	ug/l		99
37)	Fluoranthene	29.11	202	795217	16.84	ug/l		99
39)	Pyrene	29.78	202	833257	17.80	ug/l		99
40)	Butylbenzylphthalate	31.93	149	390244	16.29	ug/l		100
41)	Benzo(a)anthracene	33.43	228	572301	16.66	ug/l		99
42)	Bis(2-ethylhexyl)phthalate	33.71	149	515494	16.38	ug/l		99
43)	Chrysene	33.55	228	598218	17.57	ug/l		99
45)	Di-n-Octylphthalate	35.46	149	709839	14.35	ug/l	#	98
46)	Benzo(b)fluoranthene	36.51	252	465103	16.21	ug/l		98
47)	Benzo(k)fluoranthene	36.58	252	490476	16.49	ug/l		98
48)	Benzo(a)pyrene	37.47	252	347425	12.53	ug/l		98
49)	Indeno(1,2,3-cd)pyrene	41.62	276	379741	14.62	ug/l		99
50)	Dibenz(a,h)anthracene	41.69	278	326514	15.97	ug/l		100
51)	Benzo(g,h,i)perylene	42.81	276	333138	15.72	ug/l		99

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

NYC-WTC_000014974

NYC 9/11 Public Portal Document

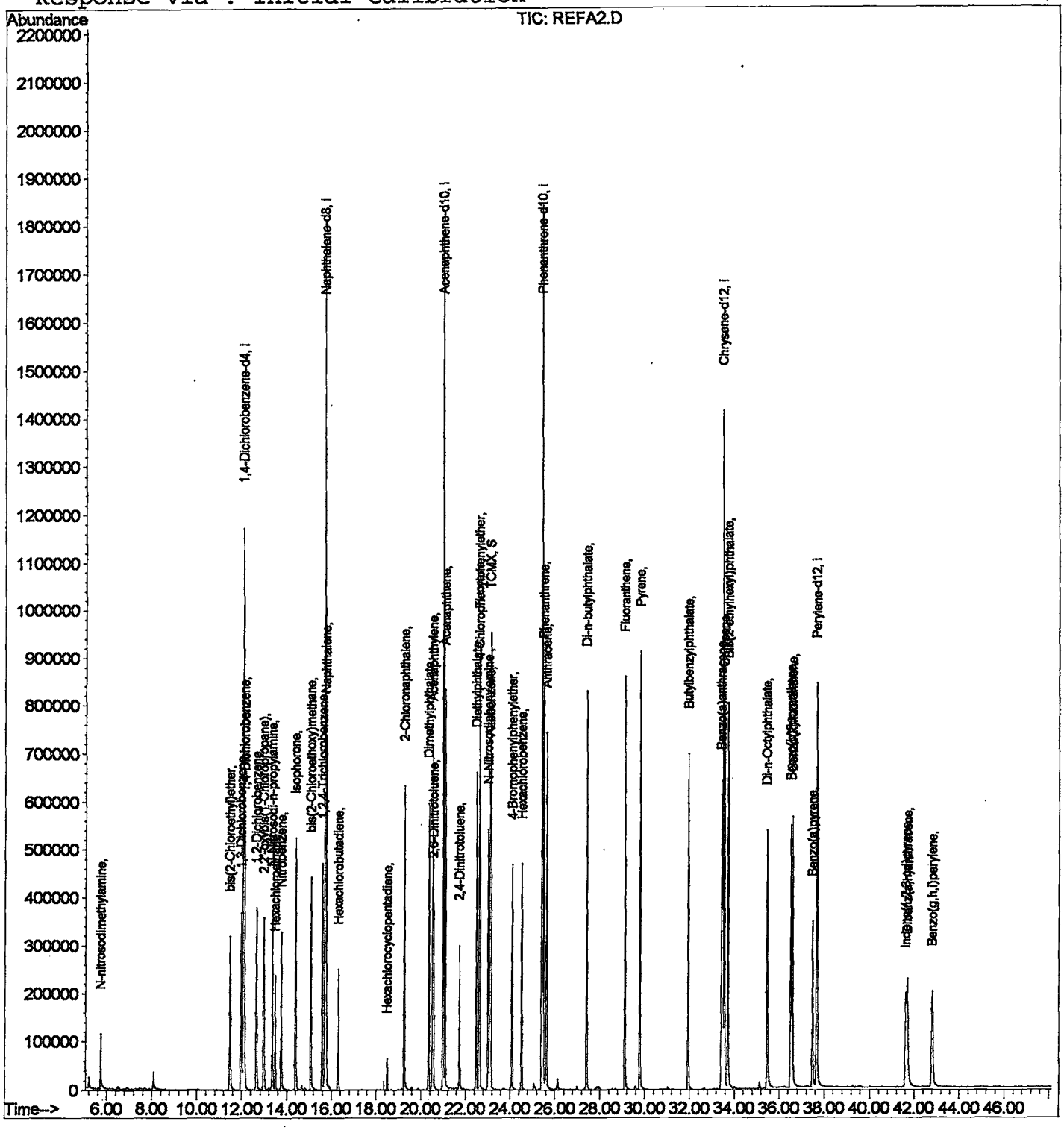
Quantitation Report

Data File : C:\HPCHEM\1\DATA\MAY3102\REFA2.D
Acq On : 1 Jun 2002 1:46 am
Sample : gc/ms scan 5/30
Misc :
MS Integration Params: GOOFY.P
Quant Time: Jun 3 11:31 2002

Vial: 15
Operator: Morgan
Inst : 209
Multiplr: 1.00

Quant Results File: GCMS0531.RES

Method : C:\HPCHEM\1\METHODS\GCMS0531.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri May 31 09:43:55 2002
Response via : Initial Calibration



NYC-WTC_000014975