7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP04629 Calibration Date: 02/06/06 Time: 21:57

Lab File ID: hb061.d Init. Calib. Date(s): 02/06/06 02/06/06

Init. Calib. Times(s): 13:13 17:23

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Hexachlorobutadiene	0.233	0.236		1	
Caprolactam	0.220	0.226		3	
* 4-Chloro-3-methylphenol	0.280	0.295	0.200	5	25 *
* 2-Methylnaphthalene	0.686	0.702	0.400	2	25 *
Phthalic anhydride	0.214	0.216		1	
Hexachlorocyclopentadiene	0.433	0.417		-4	
* 2,4,6-Trichlorophenol	0.476	0.467	0.200	-2	25 *
* 2,4,5-Trichlorophenol	0.530	0.523	0.200	-1	25 *
1,1'-Biphenyl	2.611	2.577		-1	
Diphenyl	2.606	2.577		-1	
* 2-Chloronaphthalene	1.266	1.252	0.800	-1	25 *
4-Tertbutylphenol	0.578	0.598		3	
2-Nitroaniline	0.369	0.365		-1	
Dimethylphthalate	1.564	1.558		0	
* 2,6-Dinitrotoluene	0.393	0.394	0.200	0	25 *
* Acenaphthylene	1.901	1.905	0.900	0	25 *
3-Nitroaniline	0.359	0.379		5	
* Acenaphthene	1.143	1.137	0.900	0	25 *
2,4-Dinitrophenol	0.305	0.271		-11	
4-Nitrophenol	0.313	0.308		-2	
* Dibenzofuran	1.713	1.707	0.500	0	25 *
* 2,4-Dinitrotoluene	0.532	0.535	0.200	0	25 *
2,6-Dinitrophenol	0.131	0.114		-13	
2,6-Ditertbutylphenol	0.737	0.711		-4	
Diethylphthalate	1.582	1.640		4	
* Fluorene	1.264	1.278	0.900	1	25 *
* 4-Chlorophenyl-phenylether	0.681	0.700	0.400	3	25 *
4(tert-Octyl)phenol	1.320	1.311		-1	
4-Nitroaniline	0.369	0.382		4	
4,6-Dinitro-2-methylphenol	0.244	0.235		-4	
N-Nitrosodiphenylamine (1)	0.595	0.616		3	
2,4-Ditertbutylphenol	1.345	1.365		1	
1,2-Diphenylhydrazine	0.862	0.883		2	
3,5-Ditertbutylphenol	1.003	1.024		2	
* 4-Bromophenyl-phenylether	0.240	0.238	0.100	-1	25 *
* Hexachlorobenzene	0.299	0.296	0.100	-1	25 *

8962

(1) Cannot be Separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7C cont

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP04629 Calibration Date: 02/06/06 Time: 21:57

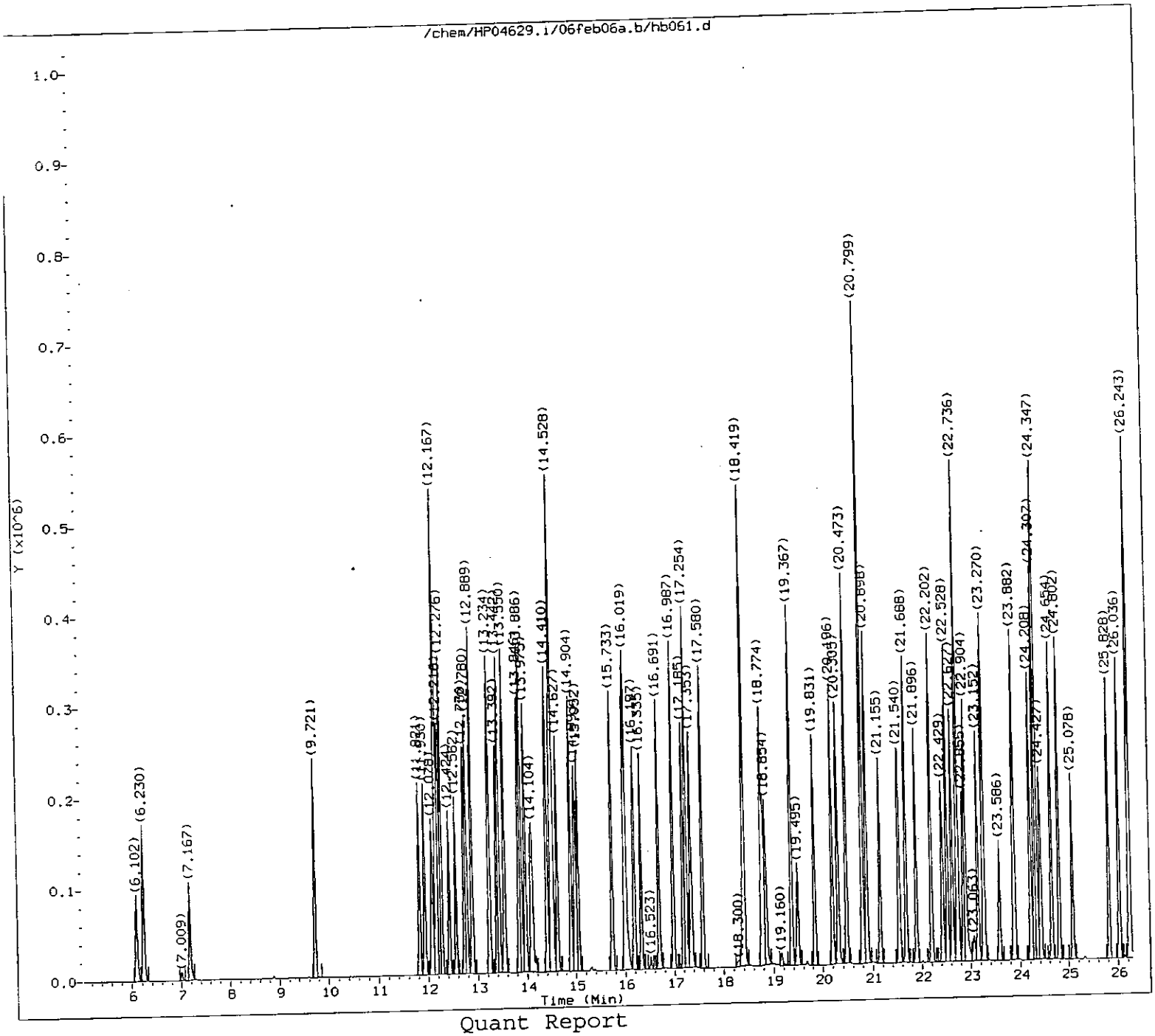
Lab File ID: hb061.d Init. Calib. Date(s): 02/06/06 02/06/06

Init. Calib. Times(s): 13:13 17:23

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Atrazine	0.435	0.466		7	
* Pentachlorophenol	0.199	0.194	0.050	-2	25 *
* Phenanthrene	1.198	1.204	0.700	0	25 *
* Anthracene	1.232	1.213	0.700	-2	25 *
Carbazole	1.106	1.130		2	
Di-n-butylphthalate	1.666	1.722		3	
* Fluoranthene	1.168	1.175	0.600	1	25 *
* Pyrene	1.696	1.703	0.600	0	25 *
Butylbenzylphthalate	0.958	0.991		3	
3,3'-Dichlorobenzidine	0.299	0.349		17	
* Benzo(a)anthracene	1.334	1.343	0.800	1	25 *
* Chrysene	1.234	1.238	0.700	0	25 *
bis(2-Ethylhexyl)phthalate	1.292	1.306		1	
Di-n-octylphthalate	2.607	2.836		9	
* Benzo(b)fluoranthene	1.380	1.456	0.700	6	25 *
* Benzo(k)fluoranthene	1.399	1.446	0.700	3	25 *
* Benzo(a)pyrene	1.281	1.300	0.700	1	25 *
* Indeno(1,2,3-cd)pyrene	1.100	1.174	0.500	7	25 *
* Dibenz(a,h)anthracene	1.096	1.174	0.400	7	25 *
* Benzo(g,h,i)perylene	1.107	1.226	0.500	11	25 *
* 2-Fluorophenol	1.454	1.530	0.600	5	25 *
* Phenol-d5	1.641	1.670	0.800	2	25 *
* 2-Chlorophenol-d4	1.517	1.571	0.800	4	25 *
* 1,2-Dichlorobenzene-d4	0.978	0.991	0.400	1	25 *
* Nitrobenzene-d5	0.401	0.415	0.200	4	25 *
* 2-Fluorobiphenyl	1.389	1.411	0.700	2	25 *
2,4,6-Tribromophenol	0.161	0.167		4	
* Terphenyl-d14	0.974	0.957	0.500	-2	25 *

0963

All other compounds must meet a minimum RRF of 0.010.



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb061.d
Injection date and time: 06-FEB-2006 21:57

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: all

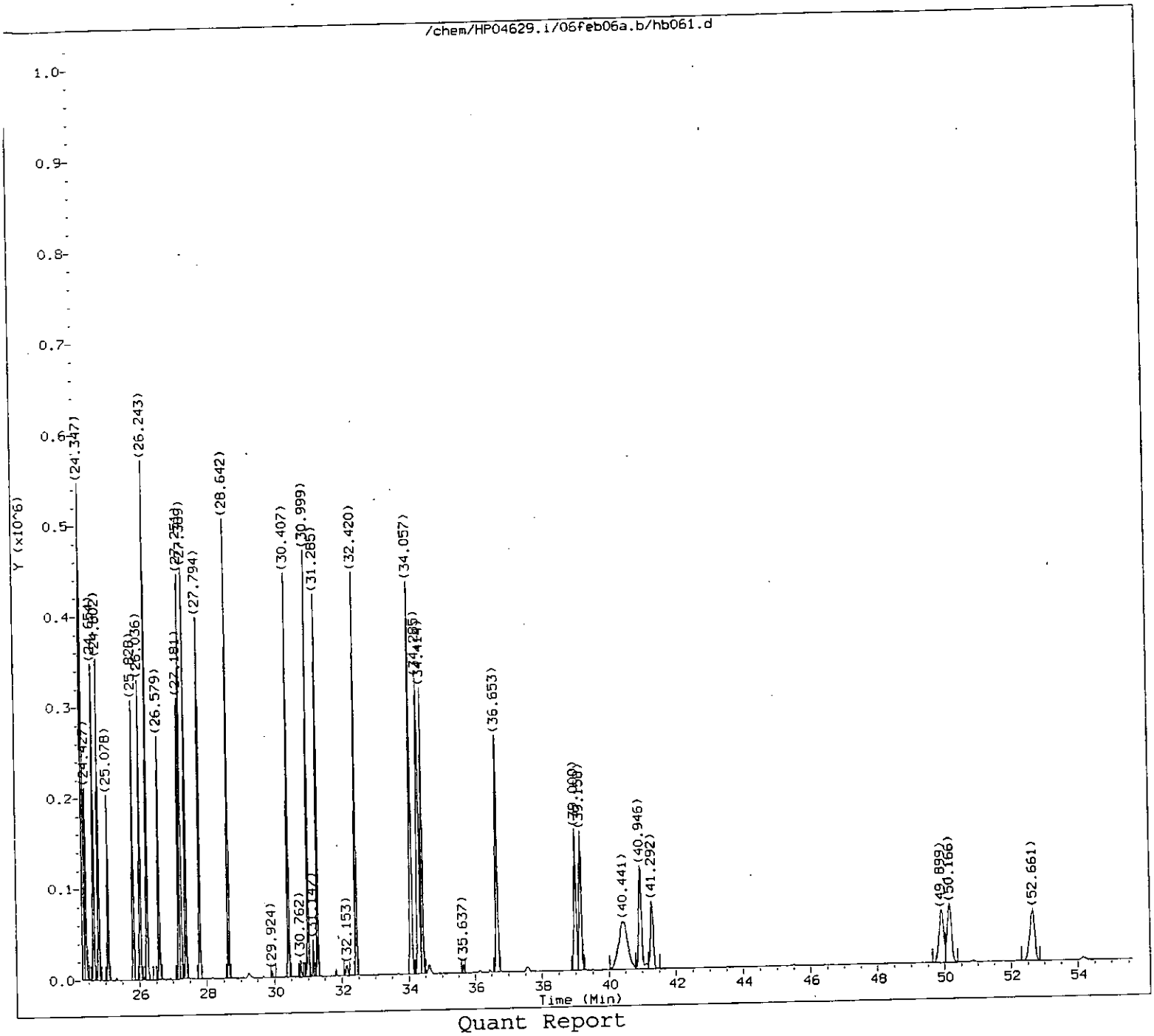
Date, time and analyst ID of latest file update: 06-Feb-2006 22:54 Automation

Sample Name: SSTD05017

Lab Sample ID: CLP0346

0964

LMH1958 02/06/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb061.d
Injection date and time: 06-FEB-2006 21:57

Instrument ID: HP04629.i
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Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: all

Date, time and analyst ID of latest file update: 06-Feb-2006 22:54 Automation

Sample Name: SSTD05017

Lab Sample ID: CLP0346

8965

LMH 06/06/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb061.d
Injection date and time: 06-FEB-2006 21:57

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: all

Date, time and analyst ID of latest file update: 06-Feb-2006 22:54 Automation

Sample Name: SSTD05017

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	6.102	74	73742	49.119
2) Pyridine	(1)	6.230	79	124539	48.663
3) N,N-dimethyl formamide	(1)	7.167	73	75574	48.964
5) 2-methylcyclohexanone	(1)	11.821	112	42661	48.873
6) 3-methylcyclohexanone	(1)	11.930	112	41891	51.077
7) 4-methylcyclohexanone	(1)	12.078	112	38072	52.830
8) Benzaldehyde	(1)	12.157	77	172607	56.361
9) 1,3,5-Trimethylbenzene	(1)	12.276	105	272745	48.656
12) Aniline	(1)	12.424	93	152212	50.876
11) Phenol	(1)	12.226	94	184064	49.811
13) bis(2-Chloroethyl)ether	(1)	12.562	93	152644	50.278
15) 2-Chlorophenol	(1)	12.780	128	177333	51.241
16) 1,2,4-Trimethylbenzene	(1)	12.889	105	282967	48.765
17) 1,3-Dichlorobenzene	(1)	13.234	146	187588	51.894
18) 1,4-Dichlorobenzene-d4	(1)	13.392	152	86018	40.000
19) 1,4-Dichlorobenzene	(1)	13.442	146	187026	50.707
20) 1,2,3-Trimethylbenzene	(1)	13.550	105	282750	49.810
22) 1,2-Dichlorobenzene	(1)	13.886	146	178990	51.458
23) 2-Methylphenol	(1)	13.975	108	141580	50.891
24) 2,2'-oxybis(1-Chloropropane)	(1)	14.104	45	158494	50.993
25) bis(2-Chloroisopropyl)ether	(1)	14.104	45	158494	50.988
27) Acetophenone	(1)	14.528	105	397473	52.316
28) N-Nitroso-di-n-propylamine	(1)	14.489	70	93285	50.640
29) o-Toluidine	(1)	14.627	106	182359	50.975
26) 4-Methylphenol	(1)	14.410	108	149275	51.155
30) Hexachloroethane	(1)	14.904	117	93193	52.524
33) Nitrobenzene	(2)	15.052	77	152772	50.864
34) Isophorone	(2)	15.733	82	296040	51.989
35) 2-Nitrophenol	(2)	15.989	139	101128	51.583
36) 2,4-Dimethylphenol	(2)	16.019	107	176302	53.468
38) 1-chloro-2-nitro-4(trifluorome	(2)	16.197	179	58628	49.901
37) bis(2-Chloroethoxy)methane	(2)	16.335	93	179040	52.437
39) 2,4-Dichlorophenol	(2)	16.691	162	132176	51.546
40) 1,2,4-Trichlorobenzene	(2)	16.987	180	153872	50.852
41) Naphthalene-d8	(2)	17.185	136	310117	40.000
46) 2-Tertbutylphenol	(2)	18.419	135	161267	48.913
42) Naphthalene	(2)	17.254	128	427493	51.637
43) 4-Chloroaniline	(2)	17.353	127	179121	56.677
44) Hexachlorobutadiene	(2)	17.580	225	91558	50.616
45) Caprolactam	(2)	18.409	113	87738	51.409
47) 4-Chloro-3-methylphenol	(2)	18.774	142	114245	52.677
49) 2-Methylnaphthalene	(2)	19.367	142	271990	51.108
50) Phthalic anhydride	(2)	19.495	104	83571	50.413

M = Compound was manually integrated.

A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb061.d
Injection date and time: 06-FEB-2006 21:57

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: all

Date, time and analyst ID of latest file update: 06-Feb-2006 22:54 Automation

Sample Name: SSTD05017

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
51) Hexachlorocyclopentadiene	(3)	19.841	237	88253	48.227
52) 2,4,6-Trichlorophenol	(3)	20.196	196	98786	49.111
53) 2,4,5-Trichlorophenol	(3)	20.315	196	110698	49.382
55) 1,1'-Biphenyl	(3)	20.799	154	545044	49.353
56) Diphenyl	(3)	20.799	154	545044	49.451
57) 2-Chloronaphthalene	(3)	20.898	162	264783	49.453
48) 4-Tertbutylphenol	(2)	18.814	135	231758	51.673
58) 2-Nitroaniline	(3)	21.165	65	77225	49.457
60) Dimethylphthalate	(3)	21.688	163	329375	49.788
61) 2,6-Dinitrotoluene	(3)	21.896	165	83323	50.097
62) Acenaphthylene	(3)	22.202	152	402863	50.099
63) 3-Nitroaniline	(3)	22.429	138	80086	52.696
64) Acenaphthene-d10	(3)	22.627	164	169172	40.000
67) Acenaphthene	(3)	22.736	153	240454	49.736
68) 2,4-Dinitrophenol	(3)	22.746	184	57348	44.476
69) 4-Nitrophenol	(3)	22.855	109	65035	49.164
71) Dibenzofuran	(3)	23.270	168	360986	49.836
72) 2,4-Dinitrotoluene	(3)	23.152	165	113150	50.255
73) 2,6-Dinitrophenol	(4)	23.586	184	37583	43.420
59) 2,6-Ditertbutylphenol	(3)	21.550	191	150310	48.199
74) Diethylphthalate	(3)	23.882	149	346742	51.836
76) Fluorene	(3)	24.347	166	270180	50.545
75) 4-Chlorophenyl-phenylether	(3)	24.307	204	148016	51.367
77) 4(tert-Octyl)phenol	(4)	24.208	135	431732	49.668
78) 4-Nitroaniline	(3)	24.337	138	80902	51.892
79) 4,6-Dinitro-2-methylphenol	(4)	24.427	198	77337	48.077
80) N-Nitrosodiphenylamine	(4)	24.654	169	202765	51.733
65) 2,4-Ditertbutylphenol	(3)	22.528	191	288681	50.739
81) 1,2-Diphenylhydrazine	(4)	24.802	77	290637	51.196
70) 3,5-Ditertbutylphenol	(3)	22.904	191	216454	51.015
83) 4-Bromophenyl-phenylether	(4)	25.828	248	78395	49.488
84) Hexachlorobenzene	(4)	26.036	284	97645	49.527
85) Atrazine	(4)	26.243	200	153484	53.566
86) Pentachlorophenol	(4)	26.579	266	63850	48.802
87) Phenanthrene-d10	(4)	27.181	188	263429	40.000
88) Phenanthrene	(4)	27.251	178	396376	50.243
89) Anthracene	(4)	27.389	178	399376	49.221
90) Carbazole	(4)	27.803	167	372063	51.090
91) Di-n-butylphthalate	(4)	28.642	149	566908	51.675
92) Fluoranthene	(4)	30.407	202	387024	50.325
93) Pyrene	(5)	30.999	202	411860	50.212
95) Butylbenzylphthalate	(5)	32.420	149	239661	51.703
96) 3,3'-Dichlorobenzidine	(5)	34.087	252	84328	58.372

M = Compound was manually integrated.

A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb061.d
Injection date and time: 06-FEB-2006 21:57

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: all

Date, time and analyst ID of latest file update: 06-Feb-2006 22:54 Automation

Sample Name: SSTD05017

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
97) Benzo(a)anthracene	(5)	34.285	228	324800	50.341
99) Chrysene-d12	(5)	34.315	240	193434	40.000
100) Chrysene	(5)	34.414	228	299350	50.163
98) bis(2-Ethylhexyl)phthalate	(5)	34.057	149	315855	50.570
101) Di-n-octylphthalate	(6)	36.653	149	516939	54.376
102) Benzo(b)fluoranthene	(6)	39.000	252	265490	52.782
103) Benzo(k)fluoranthene	(6)	39.158	252	263523	51.661
104) Benzo(a)pyrene	(6)	40.965	252	236982	50.733
105) Perylene-d12	(6)	41.292	264	145841	40.000
106) Indeno(1,2,3-cd)pyrene	(6)	49.919	276	214081	53.384
107) Dibenz(a,h)anthracene	(6)	50.166	278	214049	53.583
108) Benzo(g,h,i)perylene	(6)	52.661	276	223523	55.394
4) 2-Fluorophenol	(1)	9.721	112	164486	52.599
10) Phenol-d5	(1)	12.187	99	179599	50.889
14) 2-Chlorophenol-d4	(1)	12.730	132	168901	51.780
21) 1,2-Dichlorobenzene-d4	(1)	13.846	152	106543	50.676
32) Nitrobenzene-d5	(2)	14.993	82	160927	51.795
54) 2-Fluorobiphenyl	(3)	20.473	172	298342	50.774
82) 2,4,6-Tribromophenol	(4)	25.088	330	55013	51.804
94) Terphenyl-d14	(5)	31.285	244	231440	49.113

M = Compound was manually integrated.

A = User selected an alternate hit

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP04629 Calibration Date: 02/07/06 Time: 19:30

Lab File ID: hb076.d Init. Calib. Date(s): 02/06/06 02/06/06

Init. Calib. Times(s): 13:13 17:23

	COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
	N-Nitrosodimethylamine	0.698	0.713		2		
	Pyridine	1.190	1.251		5		
	N,N-dimethyl formamide	0.718	0.736		2		
	2-methylcyclohexanone	0.406	0.409		1		
	3-methylcyclohexanone	0.381	0.396		4		
	4-methylcyclohexanone	0.335	0.358		7		
	Benzaldehyde	1.424	1.607		13		
	1,3,5-Trimethylbenzene	2.607	2.665		2		
	Aniline	1.391	1.637		18		
*	Phenol	1.718	1.784	0.800	4	25	*
*	bis(2-Chloroethyl)ether	1.412	1.450	0.700	3	25	*
*	2-Chlorophenol	1.609	1.625	0.800	1	25	*
	1,2,4-Trimethylbenzene	2.698	2.746		2		
*	1,3-Dichlorobenzene	1.681	1.726	0.600	3	25	*
*	1,4-Dichlorobenzene	1.715	1.769	0.500	3	25	*
	1,2,3-Trimethylbenzene	2.640	2.758		4		
*	1,2-Dichlorobenzene	1.617	1.686	0.400	4	25	*
*	2-Methylphenol	1.294	1.368	0.700	6	25	*
	2,2'-oxybis(1-Chloropropane)	1.445	1.581		9		
	bis(2-Chloroisopropyl)ether	1.445	1.581		9		
	Acetophenone	3.533	3.709		5		
*	N-Nitroso-di-n-propylamine	0.856	0.913	0.500	6	25	*
	o-Toluidine	1.664	1.921		15		
*	4-Methylphenol	1.357	1.444	0.600	6	25	*
*	Hexachloroethane	0.825	0.862	0.300	4	25	*
*	Nitrobenzene	0.387	0.399	0.200	3	25	*
*	Isophorone	0.734	0.760	0.400	3	25	*
*	2-Nitrophenol	0.253	0.255	0.100	1	25	*
*	2,4-Dimethylphenol	0.425	0.439	0.200	3	25	*
	1-chloro-2-nitro-4(trifluorome	0.152	0.143		-5		
*	bis(2-Chloroethoxy)methane	0.440	0.462	0.300	5	25	*
*	2,4-Dichlorophenol	0.331	0.330	0.200	0	25	*
*	1,2,4-Trichlorobenzene	0.390	0.381	0.200	-2	25	*
	2-Tertbutylphenol	0.425	0.398		-6		
*	Naphthalene	1.068	1.103	0.700	3	25	*
	4-Chloroaniline	0.408	0.492		21		

~~0969~~

02/07/06

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1 OLM03.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP04629 Calibration Date: 02/07/06 Time: 19:30

Lab File ID: hb076.d Init. Calib. Date(s): 02/06/06 02/06/06

Init. Calib. Times(s): 13:13 17:23

	COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
	Hexachlorobutadiene	0.233	0.225		-4		
	Caprolactam	0.220	0.256		16		
*	4-Chloro-3-methylphenol	0.280	0.285	0.200	2	25	*
*	2-Methylnaphthalene	0.686	0.694	0.400	1	25	*
	Phthalic anhydride	0.214	0.337		58		
	Hexachlorocyclopentadiene	0.433	0.415		-4		
*	2,4,6-Trichlorophenol	0.476	0.451	0.200	-5	25	*
*	2,4,5-Trichlorophenol	0.530	0.541	0.200	2	25	*
	1,1'-Biphenyl	2.611	2.717		4		
	Diphenyl	2.606	2.709		4		
*	2-Chloronaphthalene	1.266	1.304	0.800	3	25	*
	4-Tertbutylphenol	0.578	0.573		-1		
	2-Nitroaniline	0.369	0.401		8		
	Dimethylphthalate	1.564	1.677		7		
*	2,6-Dinitrotoluene	0.393	0.417	0.200	6	25	*
*	Acenaphthylene	1.901	2.004	0.900	5	25	*
	3-Nitroaniline	0.359	0.426		18		
*	Acenaphthene	1.143	1.156	0.900	1	25	*
	2,4-Dinitrophenol	0.305	0.304		0		
	4-Nitrophenol	0.313	0.345		10		
*	Dibenzofuran	1.713	1.792	0.500	5	25	*
*	2,4-Dinitrotoluene	0.532	0.566	0.200	6	25	*
	2,6-Dinitrophenol	0.131	0.123		-6		
	2,6-Ditertbutylphenol	0.737	0.936		27		
	Diethylphthalate	1.582	1.686		6		
*	Fluorene	1.264	1.330	0.900	5	25	*
*	4-Chlorophenyl-phenylether	0.681	0.708	0.400	4	25	*
	4(tert-Octyl)phenol	1.320	1.267		-4		
	4-Nitroaniline	0.369	0.447		21		
	4,6-Dinitro-2-methylphenol	0.244	0.237		-3		
	N-Nitrosodiphenylamine (1)	0.595	0.589		-1		
	2,4-Ditertbutylphenol	1.345	1.331		-1		
	1,2-Diphenylhydrazine	0.862	0.866		0		
	3,5-Ditertbutylphenol	1.003	1.052		5		
*	4-Bromophenyl-phenylether	0.240	0.230	0.100	-4	25	*
*	Hexachlorobenzene	0.299	0.290	0.100	-3	25	*

8928

(1) Cannot be Separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7C cont

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP04629 Calibration Date: 02/07/06 Time: 19:30

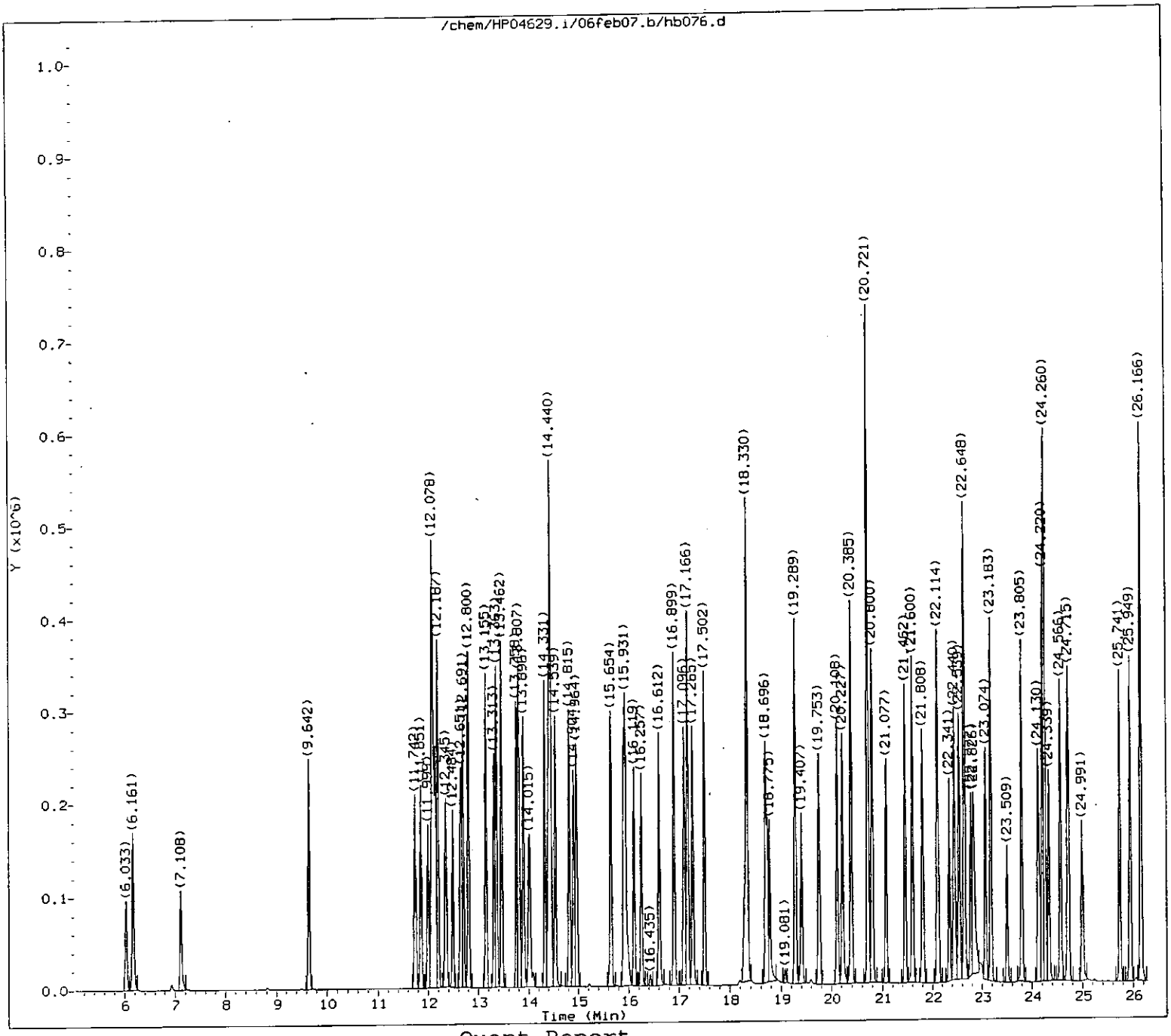
Lab File ID: hb076.d Init. Calib. Date(s): 02/06/06 02/06/06

Init. Calib. Times(s): 13:13 17:23

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D	
Atrazine	0.435	0.482		11		
* Pentachlorophenol	0.199	0.190	0.050	-5	25	*
* Phenanthrene	1.198	1.222	0.700	2	25	*
* Anthracene	1.232	1.264	0.700	2	25	*
Carbazole	1.106	1.159		5		
Di-n-butylphthalate	1.666	1.864		12		
* Fluoranthene	1.168	1.259	0.600	8	25	*
* Pyrene	1.696	1.546	0.600	-9	25	*
Butylbenzylphthalate	0.958	0.966		1		
3,3'-Dichlorobenzidine	0.299	0.358		20		
* Benzo(a)anthracene	1.334	1.343	0.800	1	25	*
* Chrysene	1.234	1.277	0.700	4	25	*
bis(2-Ethylhexyl)phthalate	1.292	1.381		7		
Di-n-octylphthalate	2.607	2.704		4		
* Benzo(b)fluoranthene	1.380	1.387	0.700	0	25	*
* Benzo(k)fluoranthene	1.399	1.376	0.700	-2	25	*
* Benzo(a)pyrene	1.281	1.330	0.700	4	25	*
* Indeno(1,2,3-cd)pyrene	1.100	1.304	0.500	18	25	*
* Dibenz(a,h)anthracene	1.096	1.200	0.400	9	25	*
* Benzo(g,h,i)perylene	1.107	1.273	0.500	15	25	*
* 2-Fluorophenol	1.454	1.544	0.600	6	25	*
* Phenol-d5	1.641	1.747	0.800	6	25	*
* 2-Chlorophenol-d4	1.517	1.556	0.800	2	25	*
* 1,2-Dichlorobenzene-d4	0.978	1.017	0.400	4	25	*
* Nitrobenzene-d5	0.401	0.426	0.200	6	25	*
* 2-Fluorobiphenyl	1.389	1.417	0.700	2	25	*
2,4,6-Tribromophenol	0.161	0.142		-12		
* Terphenyl-d14	0.974	0.894	0.500	-8	25	*

8971

All other compounds must meet a minimum RRF of 0.010.



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb076.d
Injection date and time: 07-FEB-2006 19:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 20:27

Sublist used: all

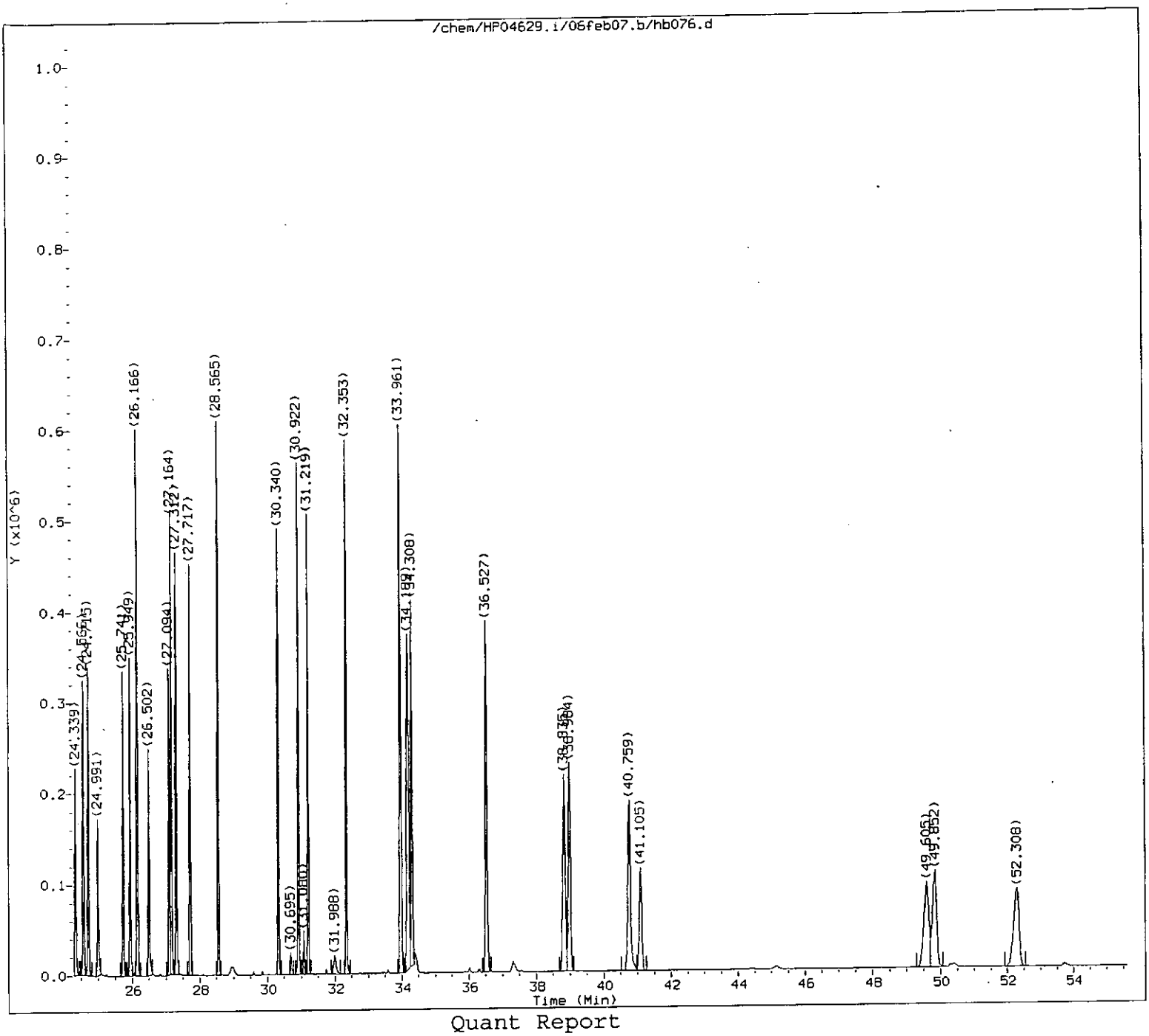
Date, time and analyst ID of latest file update: 07-Feb-2006 20:27 Automation

Sample Name: SSTD05019

Lab Sample ID: CLP0346

8972

mn 9/6 92107106



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb076.d
Injection date and time: 07-FEB-2006 19:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 20:27

Sublist used: all

Date, time and analyst ID of latest file update: 07-Feb-2006 20:27 Automation

Sample Name: SSTD05019

Lab Sample ID: CLP0346

0973

LMH198 02/07/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb076.d
Injection date and time: 07-FEB-2006 19:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 20:27

Sublist used: all

Date, time and analyst ID of latest file update: 07-Feb-2006 20:27 Automation

Sample Name: SSTD05019

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	6.033	74	75085	51.079
2) Pyridine	(1)	6.161	79	131707	52.560
3) N,N-dimethyl formamide	(1)	7.108	73	77467	51.260
5) 2-methylcyclohexanone	(1)	11.742	112	43098	50.425
6) 3-methylcyclohexanone	(1)	11.851	112	41701	51.929
7) 4-methylcyclohexanone	(1)	11.999	112	37723	53.461
8) Benzaldehyde	(1)	12.078	77	169226	56.434
9) 1,3,5-Trimethylbenzene	(1)	12.187	105	280553	51.115
12) Aniline	(1)	12.345	93	172327	58.826
11) Phenol	(1)	12.148	94	187805	51.906
13) bis(2-Chloroethyl)ether	(1)	12.484	93	152706	51.371
15) 2-Chlorophenol	(1)	12.691	128	171057	50.481
16) 1,2,4-Trimethylbenzene	(1)	12.810	105	289060	50.877
17) 1,3-Dichlorobenzene	(1)	13.155	146	181695	51.334
18) 1,4-Dichlorobenzene-d4	(1)	13.313	152	84224	40.000
19) 1,4-Dichlorobenzene	(1)	13.363	146	186255	51.574
20) 1,2,3-Trimethylbenzene	(1)	13.462	105	290335	52.235
22) 1,2-Dichlorobenzene	(1)	13.807	146	177529	52.126
23) 2-Methylphenol	(1)	13.896	108	144028	52.873
24) 2,2'-oxybis(1-Chloropropane)	(1)	14.025	45	166436	54.688
25) bis(2-Chloroisopropyl)ether	(1)	14.025	45	166436	54.684
27) Acetophenone	(1)	14.440	105	390522	52.496
28) N-Nitroso-di-n-propylamine	(1)	14.410	70	96081	53.269
29) o-Toluidine	(1)	14.539	106	202244	57.737
26) 4-Methylphenol	(1)	14.331	108	152015	53.204
30) Hexachloroethane	(1)	14.815	117	90773	52.250
33) Nitrobenzene	(2)	14.964	77	154053	51.494
34) Isophorone	(2)	15.654	82	293390	51.728
35) 2-Nitrophenol	(2)	15.911	139	98645	50.516
36) 2,4-Dimethylphenol	(2)	15.940	107	169404	51.580
38) 1-chloro-2-nitro-4(trifluorome	(2)	16.109	179	55304	47.259
37) bis(2-Chloroethoxy)methane	(2)	16.257	93	178447	52.471
39) 2,4-Dichlorophenol	(2)	16.612	162	127259	49.826
40) 1,2,4-Trichlorobenzene	(2)	16.899	180	147233	48.852
41) Naphthalene-d8	(2)	17.096	136	308891	40.000
46) 2-Tertbutylphenol	(2)	18.330	135	153740	46.815
42) Naphthalene	(2)	17.166	128	425897	51.649
43) 4-Chloroaniline	(2)	17.265	127	189979	60.351
44) Hexachlorobutadiene	(2)	17.502	225	86920	48.243
45) Caprolactam	(2)	18.320	113	98813	58.128
47) 4-Chloro-3-methylphenol	(2)	18.696	142	110004	50.923
49) 2-Methylnaphthalene	(2)	19.289	142	267970	50.553
50) Phthalic anhydride	(2)	19.407	104	130020	78.744

M = Compound was manually integrated.

A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb076.d
Injection date and time: 07-FEB-2006 19:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 20:27

Sublist used: all

Date, time and analyst ID of latest file update: 07-Feb-2006 20:27 Automation

Sample Name: SSTD05019

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
51) Hexachlorocyclopentadiene	(3)	19.753	237	84463	48.011
52) 2,4,6-Trichlorophenol	(3)	20.118	196	91664	47.401
53) 2,4,5-Trichlorophenol	(3)	20.227	196	109951	51.020
55) 1,1'-Biphenyl	(3)	20.721	154	552380	52.027
56) Diphenyl	(3)	20.721	154	550717	51.974
57) 2-Chloronaphthalene	(3)	20.810	162	265153	51.512
48) 4-Tertbutylphenol	(2)	18.735	135	221420	49.564
58) 2-Nitroaniline	(3)	21.077	65	81494	54.288
60) Dimethylphthalate	(3)	21.600	163	340940	53.607
61) 2,6-Dinitrotoluene	(3)	21.808	165	84841	53.059
62) Acenaphthylene	(3)	22.114	152	407365	52.695
63) 3-Nitroaniline	(3)	22.341	138	86518	59.215
64) Acenaphthene-d10	(3)	22.539	164	162638	40.000
67) Acenaphthene	(3)	22.648	153	235055	50.573
68) 2,4-Dinitrophenol	(3)	22.668	184	61859	49.903
69) 4-Nitrophenol	(3)	22.777	109	70201	55.202
71) Dibenzofuran	(3)	23.183	168	364330	52.319
72) 2,4-Dinitrotoluene	(3)	23.074	165	115137	53.192
73) 2,6-Dinitrophenol	(4)	23.509	184	42328	46.883
59) 2,6-Ditertbutylphenol	(3)	21.462	191	190382	63.502
74) Diethylphthalate	(3)	23.805	149	342782	53.303
76) Fluorene	(3)	24.260	166	270350	52.609
75) 4-Chlorophenyl-phenylether	(3)	24.220	204	144007	51.983
77) 4(tert-Octyl)phenol	(4)	24.130	135	435332	48.014
78) 4-Nitroaniline	(3)	24.260	138	90808	60.586
79) 4,6-Dinitro-2-methylphenol	(4)	24.339	198	81519	48.584
80) N-Nitrosodiphenylamine	(4)	24.566	169	202364	49.498
65) 2,4-Ditertbutylphenol	(3)	22.440	191	270549	49.462
81) 1,2-Diphenylhydrazine	(4)	24.715	77	297319	50.210
70) 3,5-Ditertbutylphenol	(3)	22.826	191	213779	52.409
83) 4-Bromophenyl-phenylether	(4)	25.741	248	78953	47.781
84) Hexachlorobenzene	(4)	25.949	284	99632	48.448
85) Atrazine	(4)	26.166	200	165432	55.352
86) Pentachlorophenol	(4)	26.502	266	65105	47.705
87) Phenanthrene-d10	(4)	27.094	188	274778	40.000
88) Phenanthrene	(4)	27.164	178	419672	50.999
89) Anthracene	(4)	27.312	178	434077	51.288
90) Carbazole	(4)	27.717	167	398163	52.416
91) Di-n-butylphthalate	(4)	28.565	149	640209	55.947
92) Fluoranthene	(4)	30.340	202	432403	53.903
93) Pyrene	(5)	30.922	202	470005	45.566
95) Butylbenzylphthalate	(5)	32.353	149	293628	50.373
96) 3,3'-Dichlorobenzidine	(5)	33.991	252	108827	59.903

M = Compound was manually integrated.

A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb076.d
Injection date and time: 07-FEB-2006 19:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 20:27

Sublist used: all

Date, time and analyst ID of latest file update: 07-Feb-2006 20:27 Automation

Sample Name: SSTD05019

Lab Sample ID: CLP0346

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
97) Benzo(a)anthracene	(5)	34.179	228	408450	50.342
99) Chrysene-d12	(5)	34.219	240	243248	40.000
100) Chrysene	(5)	34.308	228	388382	51.754
98) bis(2-Ethylhexyl)phthalate	(5)	33.961	149	419812	53.449
101) Di-n-octylphthalate	(6)	36.527	149	747292	51.851
102) Benzo(b)fluoranthene	(6)	38.835	252	383302	50.265
103) Benzo(k)fluoranthene	(6)	38.994	252	380311	49.179
104) Benzo(a)pyrene	(6)	40.759	252	367634	51.914
105) Perylene-d12	(6)	41.105	264	221097	40.000
106) Indeno(1,2,3-cd)pyrene	(6)	49.605	276	360512	59.299
107) Dibenz(a,h)anthracene	(6)	49.852	278	331645	54.763
108) Benzo(g,h,i)perylene	(6)	52.308	276	351793	57.508
4) 2-Fluorophenol	(1)	9.642	112	162515	53.076
10) Phenol-d5	(1)	12.108	99	183947	53.231
14) 2-Chlorophenol-d4	(1)	12.651	132	163844	51.300
21) 1,2-Dichlorobenzene-d4	(1)	13.758	152	107075	52.014
32) Nitrobenzene-d5	(2)	14.904	82	164301	53.091
54) 2-Fluorobiphenyl	(3)	20.385	172	288172	51.013
82) 2,4,6-Tribromophenol	(4)	24.991	330	48827	44.081
94) Terphenyl-d14	(5)	31.219	244	271912	45.885

M = Compound was manually integrated.

A = User selected an alternate hit

Prep-Process Worksheet

GPC

Prep Analysis # 04607 CLP Soil Extraction

Prep Group # 715 Semivolatiles CLP Soils

Verified: MM 1/30 01/30/06

Start Date: 1-26-06

Start Time: 17:00

Tech 1: WOTR

Tech 2: MMH

BATCH NO. 06021SLB026

	Sample #	Vol.(ml) on	Final Conc. Volume (ml)	Column ID		D.F. Aliq.	D.F. F.V.	Comments	Analyses
1	BLANK6	5.0	0.5	1	2				
2	LCS6			1	2				
3	4692565MS			1	2				4438
4	4692565MSD			1	2				4438
5	4692565			1	2				4438
6	4692566			1	2				4438
7	4692567			1	2				4438
8	4692568			1	2				4438
9	4692569			1	2				4438
10	4692570			1	2				4438
11	4692571			1	2				4438
12	4692572			1	2				4438
13				1	2				
14				1	2				
15				1	2				
16				1	2				
17				1	2				
18				1	2				
19				1	2				
20				1	2				
21				1	2				
22				1	2				
23				1	2				
24				1	2				
				1	2				
				1	2				
				1	2				

WOTR 1-26-06

Additional Comment:

DF = Dilution Factor FV = Final Volume

Solvent Used	Lot No.	Solvent Used	Lot No.
MeCl2	B506531		

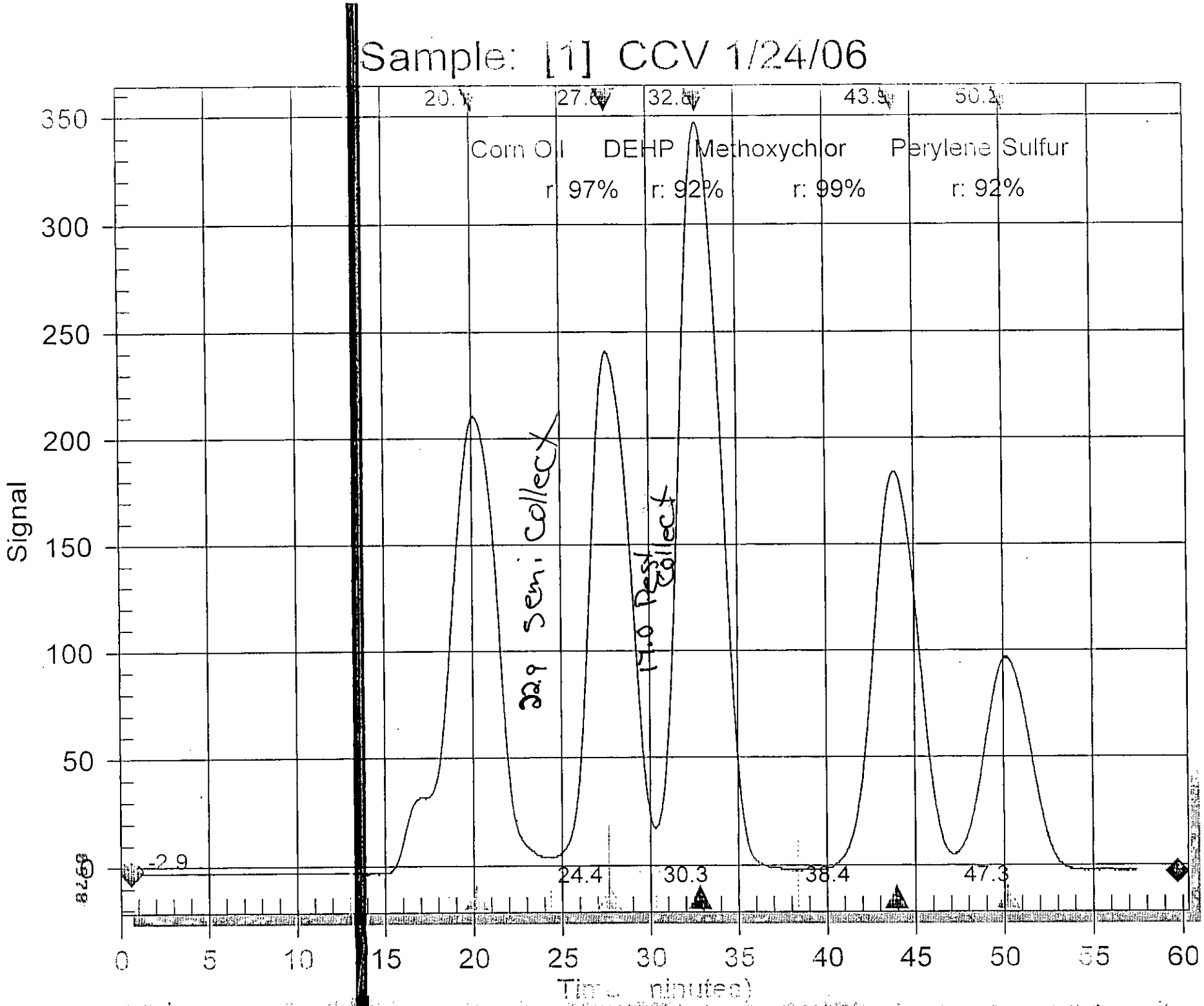
S-Evap/bath	85 °C	S-Evap/bath	°C	N-Evap	°C

Instrument #: 52

Column ID #1: 55

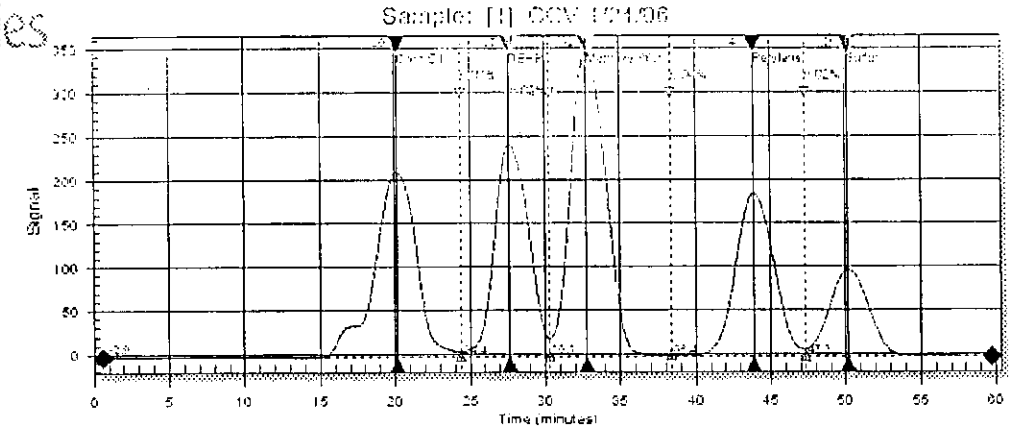
Column ID #2:

The documented temperatures are NIST corrected.


Sample: [1] CCV 1/24/06
20.1
27.6
32.6
43.9
50.2
Corn Oil
DEHP
Methoxychlor
Perylene
Sulfur
r: 97%
r: 92%
r: 99%
r: 92%
22.9 semi collect
15.0 Rest collect
-2.9
24.4
30.3
38.4
47.3
Signal
350
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
55
60
Time (minutes)

Lancaster Laboratories

Sample Comparison Report



Calibration Date: 1-24-06

Column ID: 35

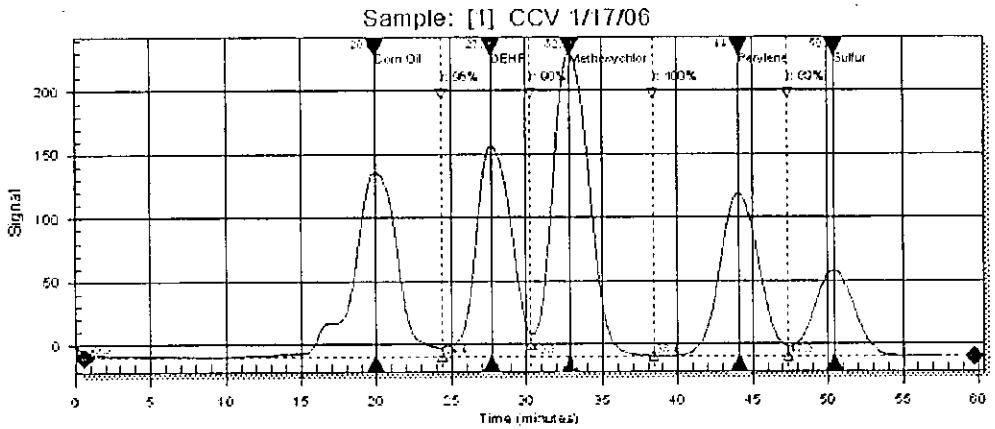
Room Temp: 72 °F

Operator Pressure: _____ psi

Analyst: DZ

Volume Collected: _____ ml

Flow: _____ ml/min



Analyst: DZ

Volume Collected: _____ ml

Flow: _____ ml/min

6268

Sample 1:

CCV 1/24/06

Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.1	211	-2.9			
2	DEHP	27.7	241	-2.9	96.8	85.0	P
3	Methoxychlor	32.8	347	-2.9	91.8	85.0	P
4	Perylene	43.9	184	-2.9	99.5	85.0	P
5	Sulfur	50.2	96	-2.9	92.0	90.0	P

Sample 2:

CCV 1/17/06

Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.0	136	-9.3			
2	DEHP	27.7	156	-9.3	95.7	85.0	P
3	Methoxychlor	32.9	230	-9.3	89.6	85.0	P
4	Perylene	44.1	119	-9.3	99.8	85.0	P
5	Sulfur	50.4	58	-9.3	89.2	90.0	F

Corn Oil	19.97 / 20.13	x 100 =	99.17	<= (+/-)	5 %	PASS
DEHP	27.65 / 27.68	x 100 =	99.88	<= (+/-)	5 %	PASS
Methoxychlor	32.80 / 32.88	x 100 =	99.75	<= (+/-)	5 %	PASS
Perylene	43.92 / 44.10	x 100 =	99.58	<= (+/-)	5 %	PASS
Sulfur	50.18 / 50.42	x 100 =	99.54	<= (+/-)	5 %	PASS

Operator Name:

Notes:

0860

Print Date: 1/24/2006

Print Tim 5:09:15PM

Generated by EZ Scientific

AutoPrep sequence report
Sequence 012706A

System name = Lancaster Laboratori
Report Printed 13:53:44, 02/14/06

SAMPLE TABLE:

Num	Desig	Description	Type	Inj	Meth name	V(uL)	Done
1	BLANK	CLEANUP	sample	1	semi	5000	Y
2	BLANK	021SLB	sample	1	semi	5000	Y
3	LCS	021SLB	sample	1	semi	5000	Y
4	4692565 MS	sample	sample	1	semi	5000	Y
5	4692565 MSD	sample	sample	1	semi	5000	Y
6	4692565 BKG	sample	sample	1	semi	5000	Y
7	4692566	sample	sample	1	semi	5000	Y
8	4692567	sample	sample	1	semi	5000	Y
9	4692568	sample	sample	1	semi	5000	Y
10	4692569	sample	sample	1	semi	5000	Y
11	4692570	sample	sample	1	semi	5000	Y
12	4692571	sample	sample	1	semi	5000	Y
13	4692572	sample	sample	1	semi	5000	Y
14	BLANK	CLEANUP	sample	1	semi	5000	Y

Raw QC Data

Data File: /chem/HP04629.i/06feb06.b/hb050.d

Date : 06-FEB-2006 10:58

Client ID: DFTPP

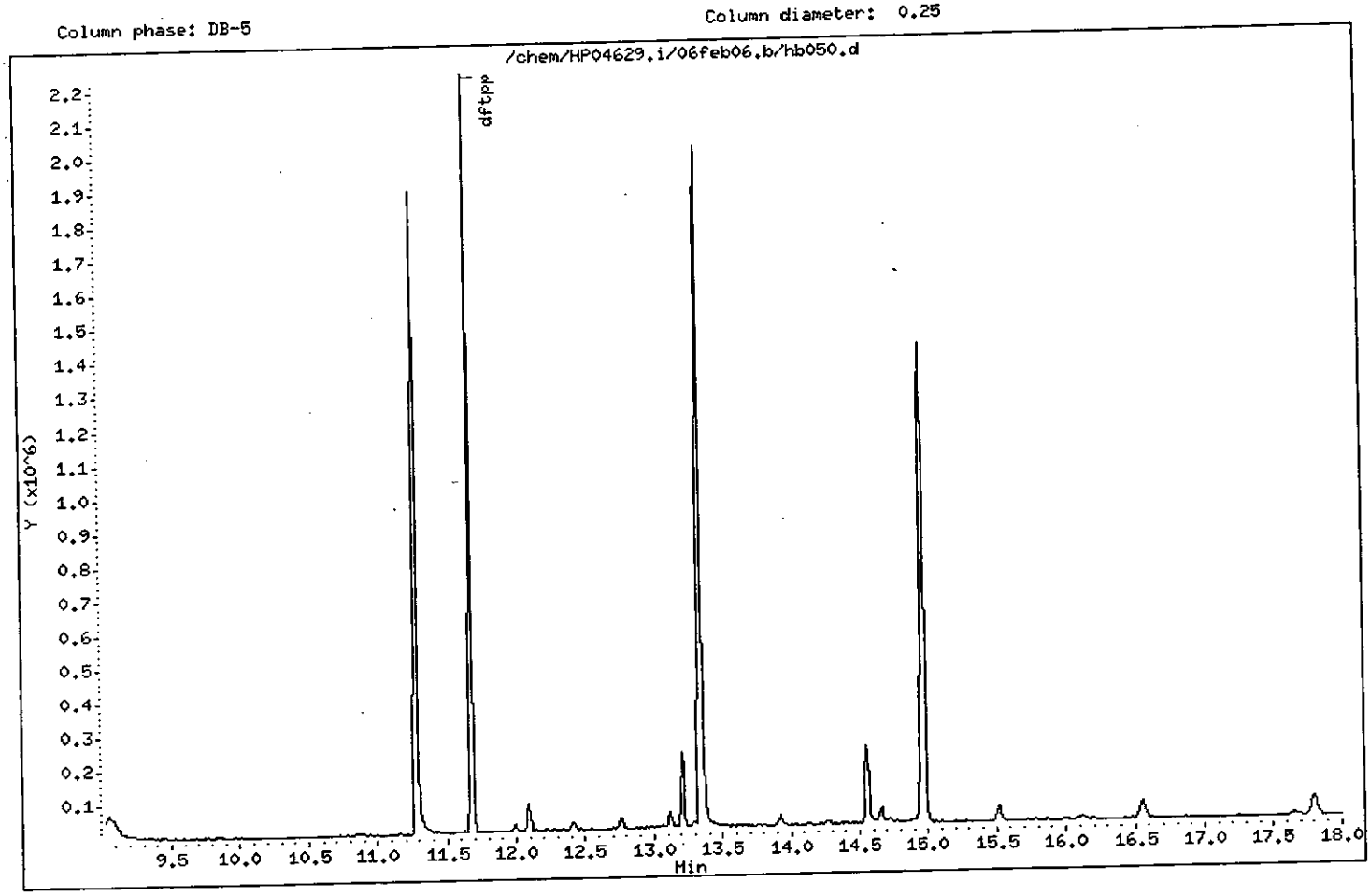
Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25



Data File: /chem/HP04629.i/06feb06.b/hb050.d

Date : 06-FEB-2006 10:58

Client ID: DFTPP

Instrument: HP04629.i

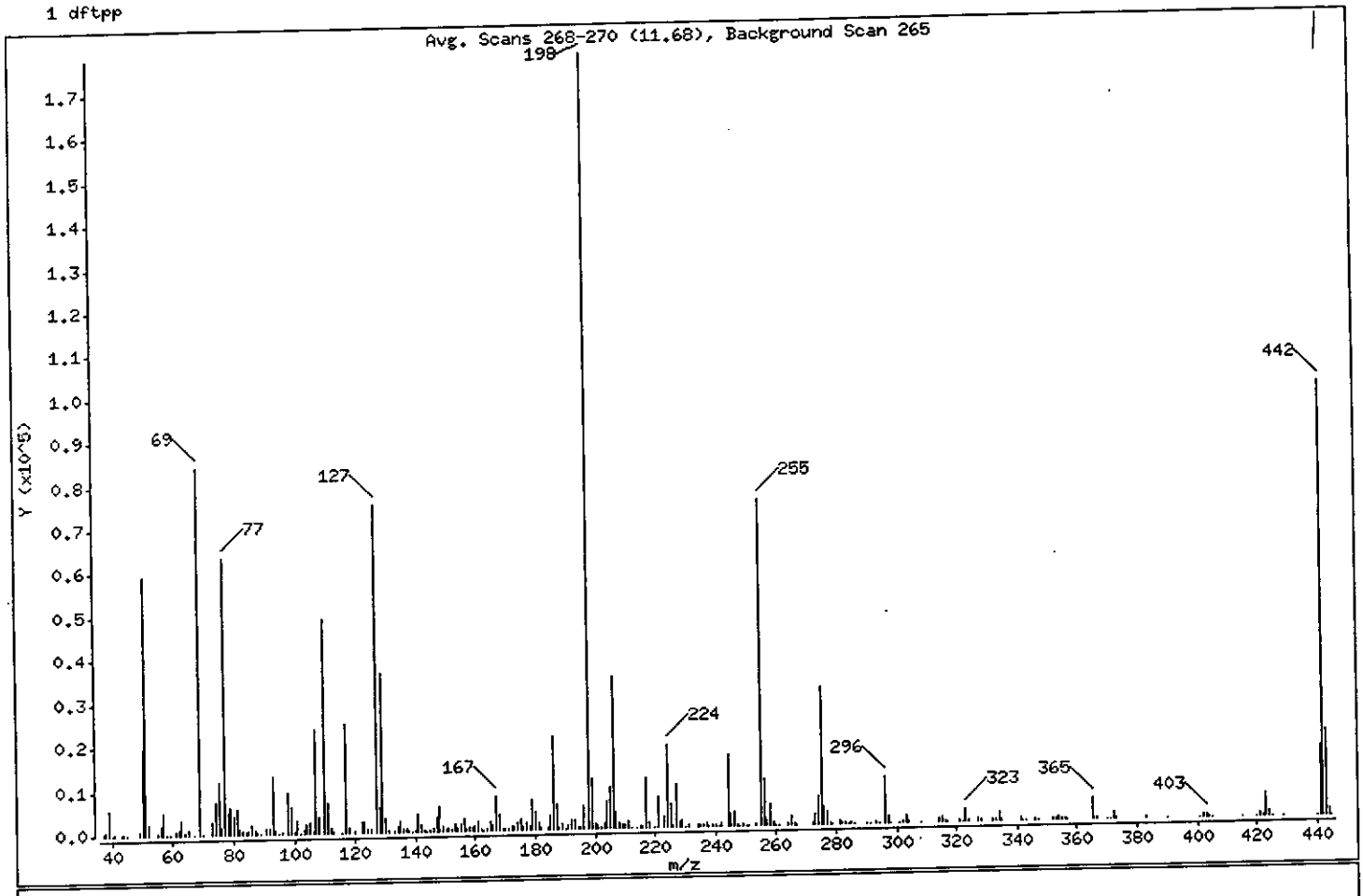
Sample Info: DFTPP;CLPDFTPP1394;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	33.24
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	47.26
70	Less than 2.00% of mass 69	0.09 (0.18)
127	25.00 - 75.00% of mass 198	42.38
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.44
275	10.00 - 30.00% of mass 198	17.80
365	Greater than 0.75% of mass 198	2.83
441	Present, but less than mass 443	8.93
442	40.00 - 110.00% of mass 198	55.78
443	15.00 - 24.00% of mass 442	11.12 (19.93)

8984

Data File: /chem/HP04629.i/06feb06.b/hb050.d

Date : 06-FEB-2006 10:58

Client ID: DFTPP

Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

Data File: hb050.d
Spectrum: Avg. Scans 268-270 (11.68), Background Scan 265
Location of Maximum: 198.00
Number of points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	370	125.00	920	199.00	11474	284.00	178
38.00	932	127.00	75480	200.00	1034	285.00	490
39.00	5548	128.00	5651	201.00	710	286.00	117
40.00	186	129.00	36320	202.00	439	290.00	111
41.00	411	130.00	3119	203.00	1319	291.00	161
43.00	26	131.00	584	204.00	5949	293.00	460
44.00	211	133.00	448	205.00	9520	294.00	140
45.00	76	134.00	1272	206.00	35000	296.00	10722
49.00	658	135.00	2595	207.00	3797	297.00	1449
50.00	19488	136.00	827	208.00	1125	298.00	91
51.00	59208	137.00	889	209.00	819	301.00	129
52.00	2492	138.00	393	210.00	968	302.00	238
55.00	381	139.00	165	211.00	1561	303.00	1703
56.00	2093	140.00	207	212.00	72	304.00	451
57.00	4824	141.00	4006	214.00	104	308.00	90
58.00	119	142.00	1439	215.00	407	314.00	637
59.00	74	143.00	371	216.00	433	315.00	1099
61.00	971	144.00	74	217.00	11389	316.00	572
62.00	1122	145.00	253	218.00	1148	317.00	83
63.00	3075	146.00	971	220.00	74	321.00	297
64.00	230	147.00	3331	221.00	7108	322.00	194
65.00	1192	148.00	5546	223.00	2620	323.00	2922
67.00	91	149.00	1198	224.00	19016	324.00	566
69.00	84176	150.00	256	225.00	5309	327.00	787
70.00	155	151.00	763	226.00	386	328.00	264
73.00	3025	152.00	388	227.00	9711	332.00	235
74.00	7477	153.00	1461	228.00	1317	333.00	215
75.00	12074	154.00	1001	229.00	1663	334.00	1864
76.00	1592	155.00	1813	230.00	138	335.00	443
77.00	63376	156.00	2815	231.00	501	341.00	619
78.00	5024	157.00	525	234.00	599	342.00	95
79.00	6164	158.00	1000	235.00	573	343.00	91
80.00	3921	159.00	716	236.00	391	346.00	568
81.00	5530	160.00	1348	237.00	646	347.00	67
82.00	1328	161.00	2038	238.00	70	352.00	521

Data File: /chem/HP04629.i/06feb06.b/hb050.d

Date : 06-FEB-2006 10:58

Client ID: DFTPP

Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

Data File: hb050.d

Spectrum: Avg. Scans 268-270 (11.68), Background Scan 265

Location of Maximum: 198.00

Number of points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	752	162.00	245	239.00	310	353.00	561
84.00	260	163.00	199	240.00	378	354.00	982
85.00	831	164.00	309	241.00	186	355.00	375
86.00	2089	165.00	1960	242.00	874	356.00	228
87.00	683	166.00	1329	244.00	16238	357.00	72
88.00	501	167.00	7667	245.00	2768	365.00	5043
89.00	137	168.00	3626	246.00	3151	366.00	384
91.00	1295	169.00	558	247.00	417	370.00	91
92.00	1335	170.00	241	248.00	167	371.00	123
93.00	13013	171.00	507	249.00	556	372.00	1672
94.00	941	172.00	672	250.00	127	373.00	388
95.00	135	173.00	943	251.00	141	383.00	339
96.00	404	174.00	1573	253.00	242	390.00	68
98.00	9274	175.00	2586	255.00	75080	401.00	187
99.00	6294	176.00	728	256.00	10518	402.00	824
100.00	425	177.00	1659	257.00	1059	403.00	945
101.00	3067	178.00	789	258.00	5036	404.00	414
102.00	101	179.00	6820	259.00	758	405.00	100
103.00	1006	180.00	4178	260.00	130	415.00	156
104.00	2147	181.00	1824	261.00	81	420.00	94
105.00	2339	182.00	358	264.00	207	421.00	634
106.00	259	184.00	600	265.00	2053	422.00	515
107.00	23928	185.00	3417	266.00	456	423.00	5406
108.00	3661	186.00	21184	267.00	67	424.00	1103
110.00	49104	187.00	5876	272.00	334	425.00	89
111.00	7081	188.00	585	273.00	2437	429.00	129
112.00	1174	189.00	1272	274.00	6368	440.00	126
113.00	434	190.00	163	275.00	31712	441.00	15908
116.00	179	191.00	838	276.00	4029	442.00	99352
117.00	25024	192.00	2223	277.00	2976	443.00	19800
118.00	1331	193.00	2118	278.00	427	444.00	1818
120.00	237	194.00	401	279.00	70	445.00	78
122.00	2365	195.00	426	281.00	802		
123.00	2375	196.00	5152	282.00	329		
124.00	920	198.00	178112	283.00	572		

0986

Data File: /chem/HP04629.i/06feb06a.b/hb060.d

Date : 06-FEB-2006 21:31

Client ID: DFTPP

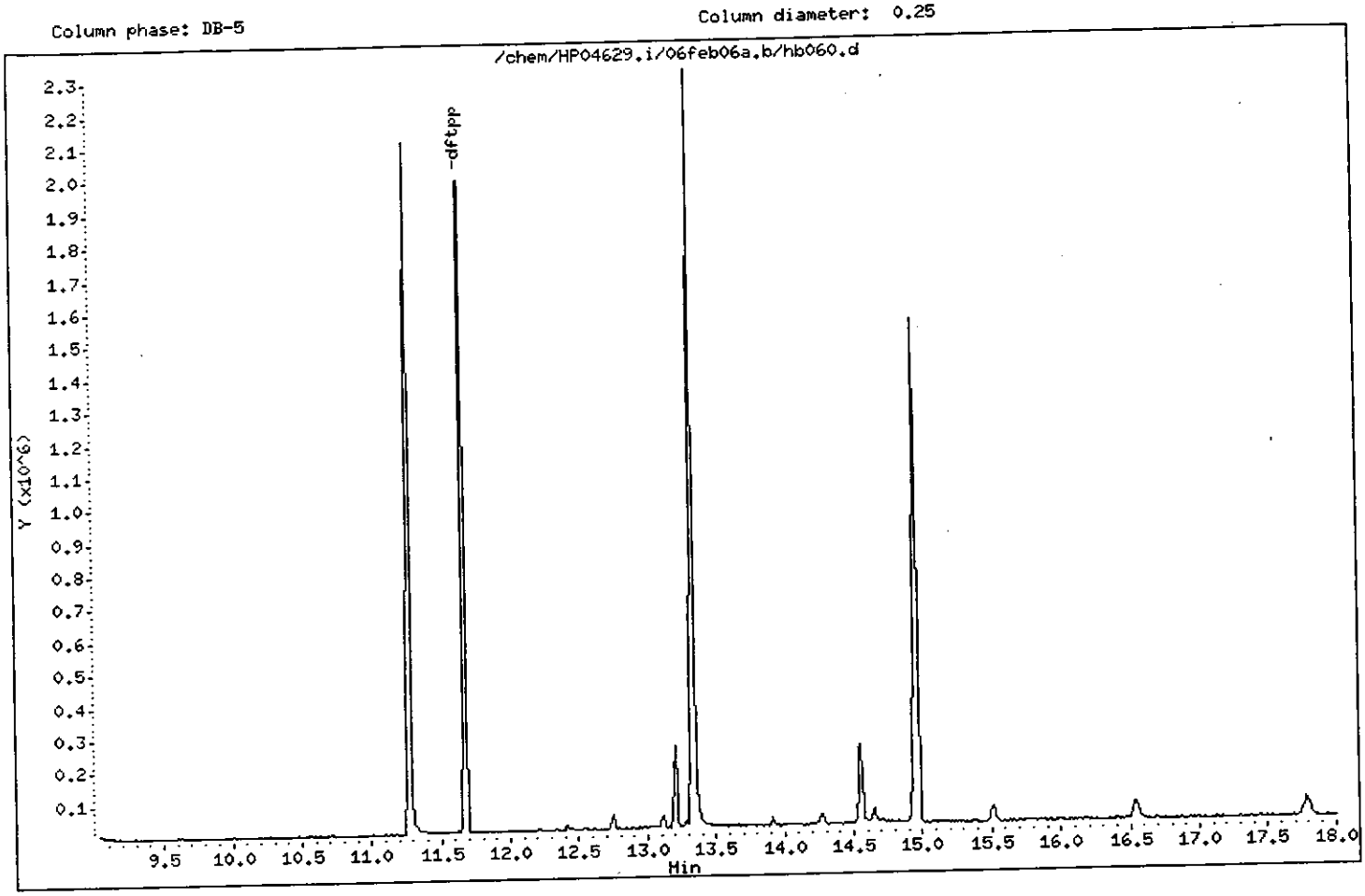
Sample Info: DFTPP;CLPDFTPP1394;

Instrument: HP04629.i

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25



Data File: /chem/HP04629.i/06feb06a.b/hb060.d

Date : 06-FEB-2006 21:31

Client ID: DFTPP

Sample Info: DFTPP;CLPDFTPP1394;

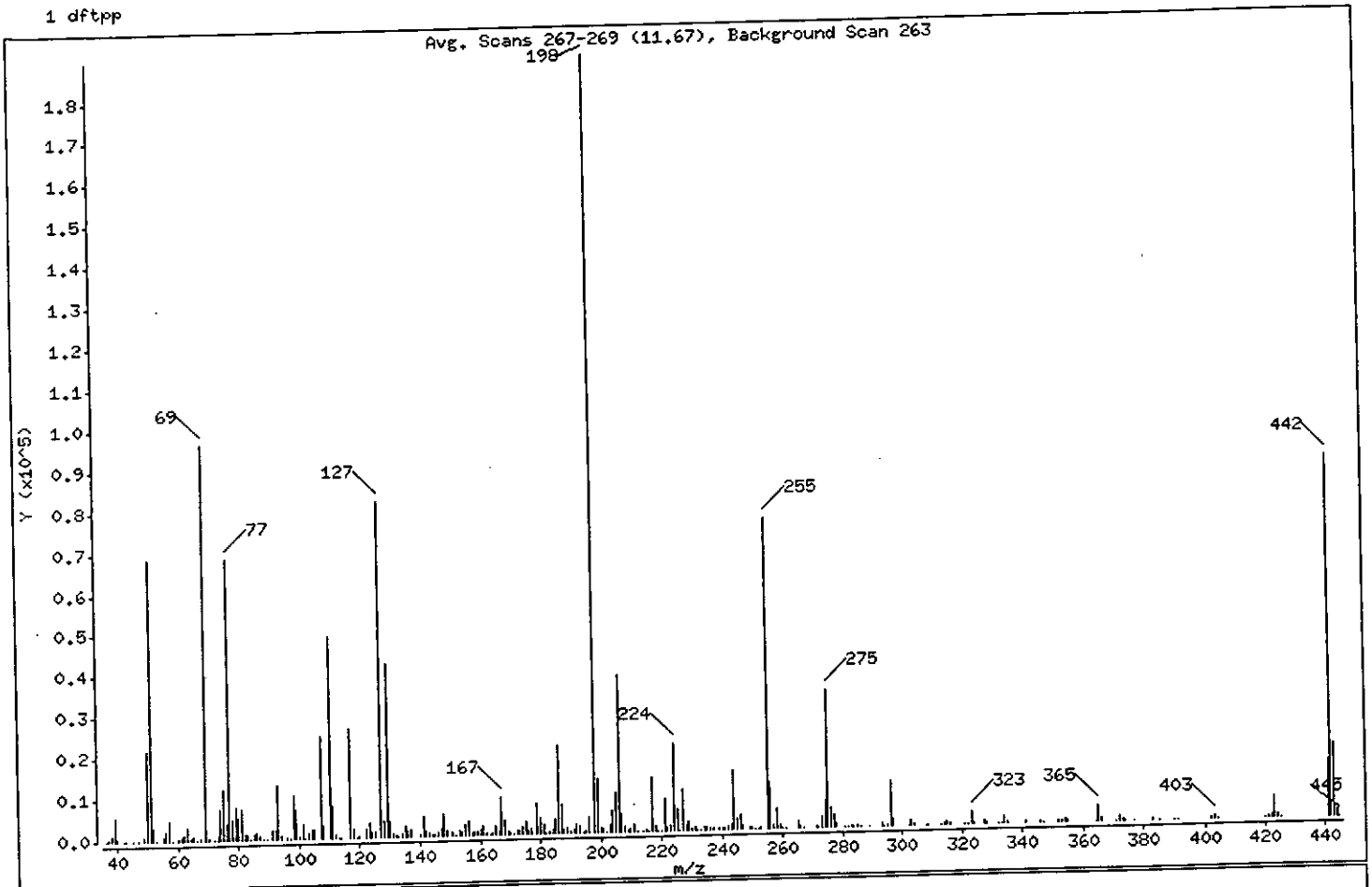
Instrument: HP04629.i

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	36.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.88
70	Less than 2.00% of mass 69	0.25 (0.49)
127	25.00 - 75.00% of mass 198	43.24
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 30.00% of mass 198	17.61
365	Greater than 0.75% of mass 198	1.98
441	Present, but less than mass 443	7.40
442	40.00 - 110.00% of mass 198	46.46
443	15.00 - 24.00% of mass 442	9.47 (20.37)

Data File: /chem/HP04629.i/06feb06a.b/hb060.d

Date : 06-FEB-2006 21:31

Client ID: DFTPP

Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

Data File: hb060.d

Spectrum: Avg. Scans 267-269 (11.67), Background Scan 263

Location of Maximum: 198.00

Number of points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	76	120.00	350	196.00	3730	277.00	3029
37.00	510	122.00	2044	198.00	189824	278.00	663
38.00	1286	123.00	3423	199.00	13208	281.00	202
39.00	5516	124.00	1306	200.00	1185	282.00	171
40.00	331	125.00	1346	201.00	770	283.00	408
42.00	95	127.00	82072	202.00	81	284.00	109
43.00	191	128.00	3818	203.00	1660	285.00	449
45.00	73	129.00	42512	204.00	5419	286.00	188
47.00	76	130.00	3849	205.00	9631	289.00	193
49.00	792	131.00	808	206.00	38560	293.00	679
50.00	21680	132.00	476	207.00	4364	294.00	172
51.00	68728	133.00	211	208.00	1289	295.00	242
52.00	2846	134.00	905	209.00	426	296.00	11059
53.00	74	135.00	2692	210.00	850	297.00	1564
55.00	742	136.00	1350	211.00	1670	302.00	215
56.00	2042	137.00	1747	212.00	70	303.00	1249
57.00	4685	140.00	268	214.00	77	304.00	263
58.00	158	141.00	4708	215.00	467	308.00	152
60.00	241	142.00	1384	216.00	92	309.00	218
61.00	984	143.00	939	217.00	12929	313.00	121
62.00	1209	144.00	302	218.00	1231	314.00	482
63.00	3035	145.00	336	219.00	101	315.00	822
64.00	273	146.00	874	220.00	101	316.00	440
65.00	709	147.00	1644	221.00	7852	321.00	109
66.00	71	148.00	5299	222.00	776	322.00	164
67.00	238	149.00	1251	223.00	1301	323.00	3145
69.00	96584	151.00	833	224.00	21344	324.00	546
70.00	472	152.00	158	225.00	5052	327.00	888
72.00	66	153.00	1113	226.00	80	328.00	297
73.00	1049	154.00	1026	227.00	9907	332.00	207
74.00	7400	155.00	2659	228.00	1478	333.00	138
75.00	12405	156.00	3284	229.00	2013	334.00	1717
76.00	4083	157.00	423	230.00	263	335.00	466
77.00	68600	158.00	866	231.00	691	341.00	321
78.00	4668	159.00	751	232.00	86	346.00	589

Data File: /chem/HP04629.i/06feb06a.b/hb060.d

Date : 06-FEB-2006 21:31

Client ID: DFTPP

Sample Info: DFTPP;CLPDFTPP1394;

Instrument: HP04629.i

Operator: lmh00956

Column diameter: 0.25

Column phase: DB-5

Data File: hb060.d

Spectrum: Avg. Scans 267-269 (11.67), Background Scan 263

Location of Maximum: 198.00

Number of points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	7653	160.00	1449	233.00	125	347.00	83
80.00	5042	161.00	2081	234.00	832	352.00	557
81.00	7301	162.00	425	235.00	874	353.00	649
82.00	1407	163.00	81	236.00	384	354.00	787
83.00	1348	164.00	225	237.00	554	355.00	306
84.00	101	165.00	2033	239.00	636	364.00	140
85.00	1186	166.00	705	240.00	245	365.00	3755
86.00	1884	167.00	9008	241.00	565	366.00	774
87.00	799	168.00	3535	242.00	925	371.00	210
88.00	75	169.00	917	243.00	1152	372.00	1148
89.00	199	170.00	330	244.00	14284	373.00	458
91.00	2009	171.00	196	245.00	2522	374.00	89
92.00	2163	172.00	736	246.00	3452	377.00	67
93.00	13114	173.00	837	247.00	717	383.00	369
94.00	749	174.00	1751	249.00	515	385.00	80
96.00	426	175.00	2991	250.00	222	390.00	160
97.00	206	176.00	1068	251.00	67	391.00	108
98.00	10591	177.00	1364	252.00	181	402.00	608
99.00	7138	179.00	7466	253.00	364	403.00	784
100.00	331	180.00	4103	255.00	76072	404.00	186
101.00	3550	181.00	1998	256.00	11320	420.00	191
102.00	100	182.00	179	257.00	806	421.00	542
103.00	1257	183.00	345	258.00	4834	422.00	814
104.00	2310	184.00	792	259.00	818	423.00	5287
105.00	2369	185.00	3443	260.00	160	424.00	806
107.00	24960	186.00	21264	261.00	72	425.00	136
108.00	3065	187.00	7072	265.00	1620	441.00	14054
110.00	49264	188.00	963	266.00	416	442.00	88192
111.00	7983	189.00	1415	267.00	93	443.00	17968
112.00	1052	190.00	285	271.00	259	444.00	1571
113.00	212	191.00	1065	272.00	106	445.00	94
114.00	171	192.00	2156	273.00	2543		
117.00	26504	193.00	1624	274.00	6722		
118.00	2168	194.00	128	275.00	33432		
119.00	154	195.00	231	276.00	4822		

Data File: /chem/HP04629.i/06feb07.b/hb075.d

Date : 07-FEB-2006 19:03

Client ID: DFTPP

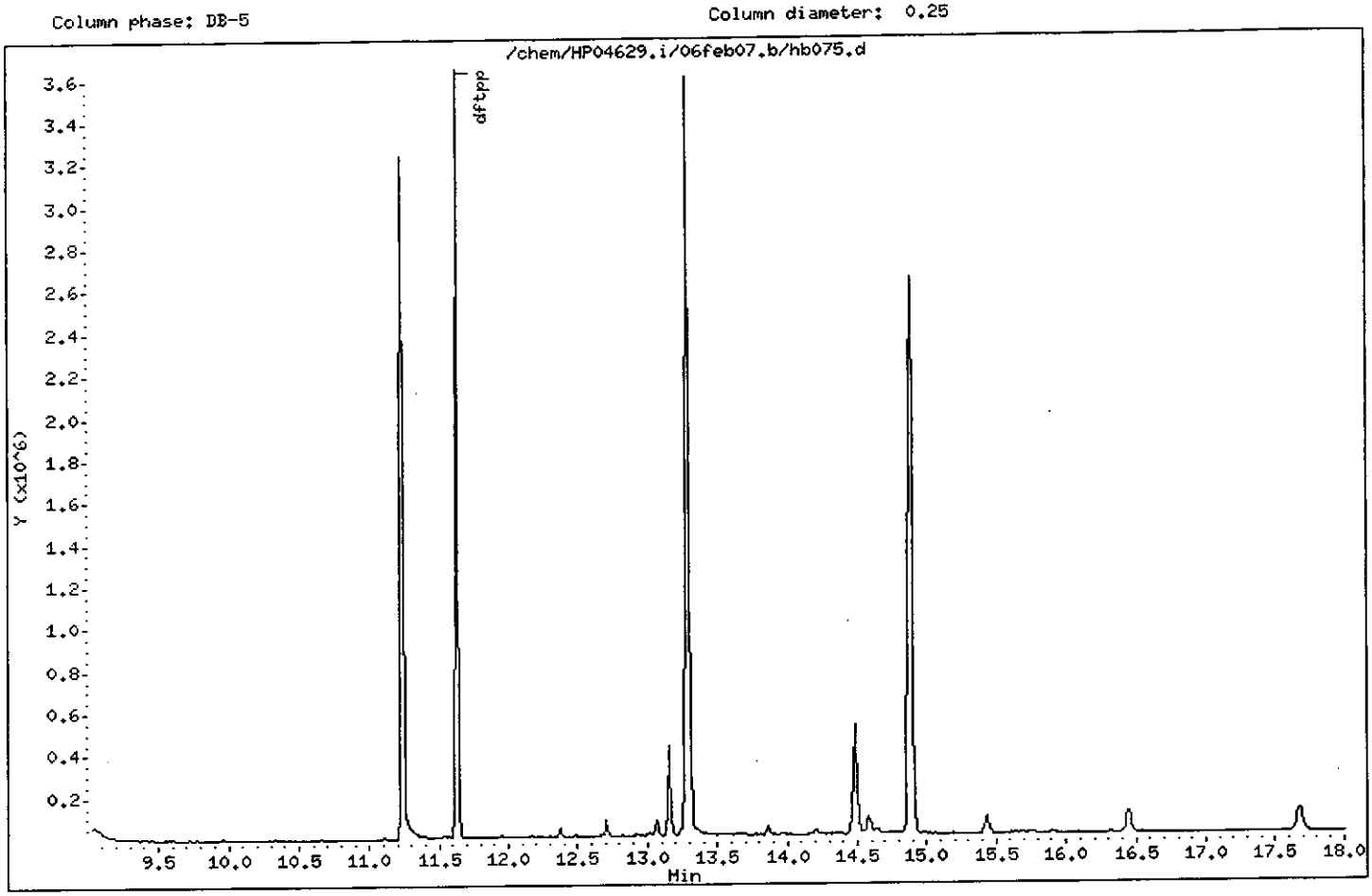
Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25



Data File: /chem/HP04629.i/06feb07.b/hb075.d

Date : 07-FEB-2006 19:03

Client ID: DFTPP

Instrument: HP04629.i

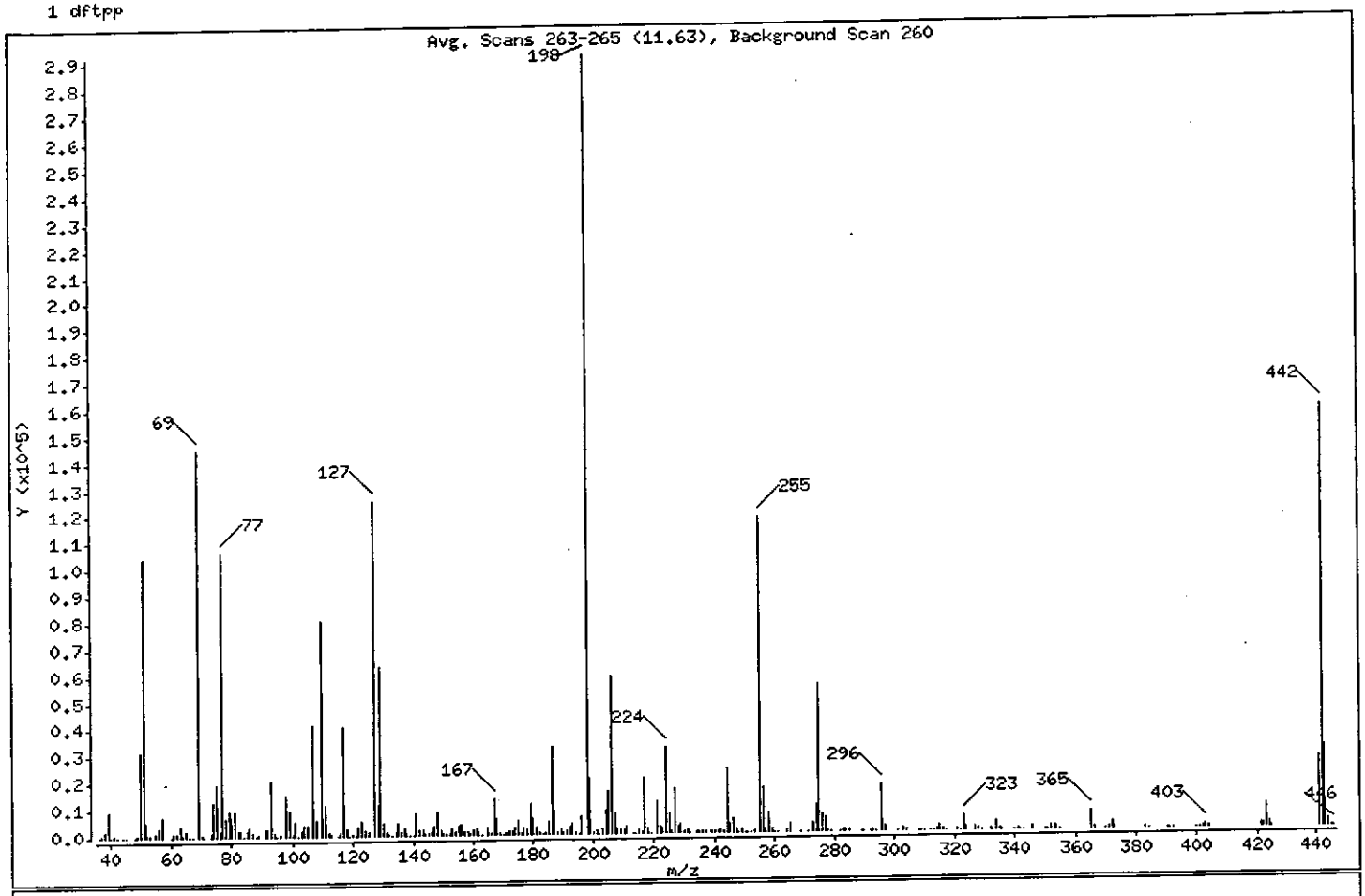
Sample Info: DFTPP;CLPDFTPP1394;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	35.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	49.67
70	Less than 2.00% of mass 69	0.12 (0.25)
127	25.00 - 75.00% of mass 198	42.92
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.15
275	10.00 - 30.00% of mass 198	18.86
365	Greater than 0.75% of mass 198	2.27
441	Present, but less than mass 443	8.90
442	40.00 - 110.00% of mass 198	54.06
443	15.00 - 24.00% of mass 442	10.31 (19.08)

#992

Data File: /chem/HP04629.i/06feb07.b/hb075.d

Date : 07-FEB-2006 19:03

Client ID: DFTPP

Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

Data File: hb075.d
Spectrum: Avg. Scans 263-265 (11.63), Background Scan 260
Location of Maximum: 198.00
Number of points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	82	122.00	3055	198.00	292352	285.00	838
37.00	915	123.00	5251	199.00	20912	289.00	220
38.00	1834	124.00	2153	200.00	912	290.00	68
39.00	9196	125.00	1569	201.00	1352	292.00	159
40.00	232	127.00	125472	202.00	76	293.00	820
41.00	444	128.00	11464	203.00	1902	294.00	205
42.00	67	129.00	63488	204.00	8985	296.00	17640
44.00	48	130.00	4710	205.00	16182	297.00	1938
45.00	332	131.00	1149	206.00	58968	301.00	139
48.00	93	132.00	638	207.00	7278	303.00	1581
49.00	609	133.00	315	208.00	2348	304.00	548
50.00	31376	134.00	1561	209.00	1064	308.00	146
51.00	104008	135.00	4468	210.00	1277	309.00	130
52.00	5380	136.00	1342	211.00	2577	310.00	72
53.00	403	137.00	2493	213.00	218	312.00	76
55.00	1147	138.00	608	214.00	77	313.00	178
56.00	3268	139.00	238	215.00	1457	314.00	634
57.00	7717	140.00	276	216.00	448	315.00	1761
60.00	175	141.00	8194	217.00	20520	316.00	987
61.00	1182	142.00	2247	218.00	2330	317.00	202
62.00	1556	143.00	1746	219.00	86	321.00	379
63.00	4211	144.00	742	221.00	11974	322.00	128
64.00	451	145.00	341	222.00	2367	323.00	5382
65.00	1930	146.00	1277	223.00	2176	324.00	1055
66.00	189	147.00	3679	224.00	32408	327.00	1200
67.00	203	148.00	8730	225.00	7477	328.00	551
69.00	145216	149.00	1721	226.00	608	329.00	69
70.00	357	150.00	337	227.00	16720	332.00	623
71.00	150	151.00	1007	228.00	2670	333.00	131
73.00	1562	152.00	588	229.00	3174	334.00	3349
74.00	13040	153.00	2426	230.00	387	335.00	711
75.00	19592	154.00	1493	231.00	1025	336.00	69
76.00	1833	155.00	3167	232.00	322	340.00	119
77.00	105952	156.00	4333	234.00	815	341.00	393
78.00	7012	157.00	1076	235.00	783	342.00	93

Data File: /chem/HP04629.i/06feb07.b/hb075.d

Date : 07-FEB-2006 19:03

Client ID: DFTPP

Instrument: HP04629.i

Sample Info: DFTPP;CLPDFTPP1394;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

Data File: hb075.d
Spectrum: Avg. Scans 263-265 (11.63), Background Scan 260
Location of Maximum: 198.00
Number of points: 289

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	9733	158.00	1535	236.00	710	343.00	165
80.00	7559	159.00	832	237.00	843	346.00	1026
81.00	9685	160.00	2243	239.00	425	350.00	117
82.00	1707	161.00	2777	240.00	581	351.00	218
83.00	1749	162.00	1217	241.00	760	352.00	1013
84.00	333	163.00	244	242.00	1649	353.00	1250
85.00	1852	165.00	2372	243.00	843	354.00	1259
86.00	3459	166.00	890	244.00	24528	355.00	223
87.00	1215	167.00	13504	245.00	3369	365.00	6651
88.00	223	168.00	6207	246.00	5432	366.00	954
89.00	339	169.00	861	247.00	1037	370.00	89
91.00	2797	170.00	330	248.00	254	371.00	381
92.00	2880	171.00	407	249.00	1021	372.00	2391
93.00	21024	172.00	1448	250.00	233	373.00	450
94.00	1292	173.00	1596	251.00	69	383.00	693
95.00	139	174.00	2711	252.00	254	384.00	221
96.00	901	175.00	5317	253.00	468	390.00	182
98.00	15489	176.00	979	255.00	118584	391.00	308
99.00	9609	177.00	2799	256.00	16776	392.00	136
100.00	715	178.00	1683	257.00	1653	400.00	88
101.00	5639	179.00	11145	258.00	7308	401.00	100
102.00	187	180.00	6227	259.00	1614	402.00	902
103.00	2164	181.00	2885	260.00	91	403.00	1061
104.00	4090	182.00	569	261.00	204	404.00	465
105.00	4269	183.00	137	264.00	395	421.00	1355
107.00	41616	184.00	913	265.00	3283	422.00	1010
108.00	5812	185.00	4863	269.00	165	423.00	8561
110.00	80416	186.00	33056	271.00	207	424.00	1750
111.00	11546	187.00	9029	273.00	3448	425.00	200
112.00	1448	188.00	999	274.00	10162	441.00	26024
113.00	570	189.00	2350	275.00	55128	442.00	158016
115.00	277	190.00	470	276.00	6717	443.00	30144
116.00	1014	191.00	1369	277.00	5347	444.00	2840
117.00	41136	192.00	2847	278.00	732	445.00	156
118.00	2448	193.00	4204	279.00	151	446.00	71

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKLB0218

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: SBLKLB021

Sample wt/vol: 30 (g/mL) G Lab File ID: hb057.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
108-95-2	Phenol	33	U
111-44-4	bis(2-Chloroethyl)ether	33	U
95-57-8	2-Chlorophenol	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
108-60-1	2,2'-oxybis(1-Chloropropane)	33	U
106-44-5	4-Methylphenol	33	U
621-64-7	N-Nitroso-di-n-propylamine	33	U
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
78-59-1	Isophorone	33	U
88-75-5	2-Nitrophenol	33	U
105-67-9	2,4-Dimethylphenol	67	U
111-91-1	bis(2-Chloroethoxy)methane	33	U
120-83-2	2,4-Dichlorophenol	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U
91-20-3	Naphthalene	33	U
106-47-8	4-Chloroaniline	130	U
87-68-3	Hexachlorobutadiene	33	U
59-50-7	4-Chloro-3-methylphenol	33	U
91-57-6	2-Methylnaphthalene	33	U
77-47-4	Hexachlorocyclopentadiene	67	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	33	U
91-58-7	2-Chloronaphthalene	33	U
88-74-4	2-Nitroaniline	33	U
131-11-3	Dimethylphthalate	33	U
606-20-2	2,6-Dinitrotoluene	33	U

0995

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKLB0218

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: SBLKLB021

Sample wt/vol: 30 (g/mL) G Lab File ID: hb057.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
208-96-8-------	Acenaphthylene	33	U
99-09-2--------	3-Nitroaniline	67	U
83-32-9--------	Acenaphthene	33	U
51-28-5--------	2,4-Dinitrophenol	170	U
100-02-7-------	4-Nitrophenol	33	U
132-64-9-------	Dibenzofuran	33	U
121-14-2-------	2,4-Dinitrotoluene	33	U
84-66-2--------	Diethylphthalate	33	U
7005-72-3------	4-Chlorophenyl-phenylether	33	U
86-73-7--------	Fluorene	33	U
100-01-6-------	4-Nitroaniline	67	U
534-52-1-------	4,6-Dinitro-2-methylphenol	33	U
86-30-6--------	N-Nitrosodiphenylamine	33	U
101-55-3-------	4-Bromophenyl-phenylether	33	U
118-74-1-------	Hexachlorobenzene	33	U
87-86-5--------	Pentachlorophenol	170	U
85-01-8--------	Phenanthrene	33	U
120-12-7-------	Anthracene	33	U
86-74-8--------	Carbazole	33	U
84-74-2--------	Di-n-butylphthalate	67	U
206-44-0-------	Fluoranthene	33	U
129-00-0-------	Pyrene	33	U
85-68-7--------	Butylbenzylphthalate	33	U
91-94-1--------	3,3'-Dichlorobenzidine	67	U
56-55-3--------	Benzo(a)anthracene	33	U
117-81-7-------	bis(2-Ethylhexyl)phthalate	33	U
218-01-9-------	Chrysene	33	U
117-84-0-------	Di-n-octylphthalate	33	U
205-99-2-------	Benzo(b)fluoranthene	33	U
207-08-9-------	Benzo(k)fluoranthene	33	U

0996

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKLB0218

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: SBLKLB021

Sample wt/vol: 30 (g/mL) G Lab File ID: hb057.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
50-32-8--------	Benzo(a)pyrene	33	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	33	U
53-70-3--------	Dibenz(a,h)anthracene	33	U
191-24-2-------	Benzo(g,h,i)perylene	33	U

SBLKLB0218 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKLB021

Data file: /chem/HP04629.i/06feb06.b/hb057.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 19:28 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.392(0.000)	849	152.0	88238(0)	40.00	
41) Naphthalene-d8	17.180(0.005)	1233	136.0	316490(0)	40.00	
64) Acenaphthene-d10	22.624(0.013)	1785	164.0	164283(3)	40.00	
87) Phenanthrene-d10	27.170(0.010)	2246	188.0	265294(7)	40.00	
99) Chrysene-d12	34.311(0.013)	2970	240.0	202693(10)	40.00	
105) Perylene-d12	41.282(0.015)	3677	264.0	151226(0)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.732(-0.001)	112	390810	118.198	79%		25 - 121
10) Phenol-d5	(1)	12.179(0.001)	99	477932	130.777	87%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.731(0.000)	132	425435	125.156	83%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.836(0.001)	152	147355	66.809	67%		20 - 130
32) Nitrobenzene-d5	(2)	14.980(0.000)	82	250227	79.194	79%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.473(0.000)	172	485782	83.740	84%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.079(0.000)	330	126073	113.695	76%		19 - 122
94) Terphenyl-d14	(5)	31.293(0.000)	244	462712	93.202	93%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)				Below MDL, Do not report				2.00
13) bis(2-Chloroethyl)ether	(1)				ND	ND			2.00
15) 2-Chlorophenol	(1)				ND	ND			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)				ND	ND			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report				2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				ND	ND			2.00
28) N-Nitroso-di-n-propylamine	(1)				ND	ND			2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report				2.00
30) Hexachloroethane	(1)				Below MDL, Do not report				2.00
33) Nitrobenzene	(2)				Below MDL, Do not report				2.00
34) Isophorone	(2)				Below MDL, Do not report				2.00
35) 2-Nitrophenol	(2)				ND	ND			2.00
36) 2,4-Dimethylphenol	(2)				ND	ND			4.00
37) bis(2-Chloroethoxy)methane	(2)				ND	ND			2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)				ND	ND			2.00
42) Naphthalene	(2)				ND	ND			2.00
43) 4-Chloroaniline	(2)				ND	ND			8.00

0998

SBLKLB0218 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKLB021

Data file: /chem/HP04629.i/06feb06.b/hb057.d Blank Data file reference:**/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 06-FEB-2006 19:28 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)					ND	ND			2.00
49) 2-Methylnaphthalene	(2)					ND	ND			2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)				Below MDL,	Do not report				2.00
60) Dimethylphthalate	(3)				Below MDL,	Do not report				2.00
61) 2,6-Dinitrotoluene	(3)					ND	ND			2.00
62) Acenaphthylene	(3)					ND	ND			2.00
63) 3-Nitroaniline	(3)					ND	ND			4.00
67) Acenaphthene	(3)					ND	ND			2.00
68) 2,4-Dinitrophenol	(3)					ND	ND			10.00
69) 4-Nitrophenol	(3)					ND	ND			2.00
71) Dibenzofuran	(3)					ND	ND			2.00
72) 2,4-Dinitrotoluene	(3)					ND	ND			2.00
74) Diethylphthalate	(3)				Below MDL,	Do not report				2.00
76) Fluorene	(3)				Below MDL,	Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					ND	ND			2.00
78) 4-Nitroaniline	(3)				Below MDL,	Do not report				4.00
79) 4,6-Dinitro-2-methylphenol	(4)				Below MDL,	Do not report				2.00
80) N-Nitrosodiphenylamine	(4)				Below MDL,	Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)				Below MDL,	Do not report				2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)					ND	ND			10.00
88) Phenanthrene	(4)					ND	ND			2.00
89) Anthracene	(4)					ND	ND			2.00
90) Carbazole	(4)					ND	ND			2.00
91) Di-n-butylphthalate	(4)				Below MDL,	Do not report				4.00
92) Fluoranthene	(4)				Below MDL,	Do not report				2.00
93) Pyrene	(5)				Below MDL,	Do not report				2.00
95) Butylbenzylphthalate	(5)					ND	ND			2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			4.00
97) Benzo(a)anthracene	(5)					ND	ND			2.00
100) Chrysene	(5)				--	ND	ND			2.00
98) bis(2-Ethylhexyl)phthalate	(5)				Below MDL,	Do not report				2.00
101) Di-n-octylphthalate	(6)					ND	ND			2.00
102) Benzo(b)fluoranthene	(6)					ND	ND			2.00
103) Benzo(k)fluoranthene	(6)					ND	ND			2.00
104) Benzo(a)pyrene	(6)					ND	ND			2.00

SBLKLB0218 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKLB021

Data file: /chem/HP04629.i/06feb06.b/hb057.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 19:28 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

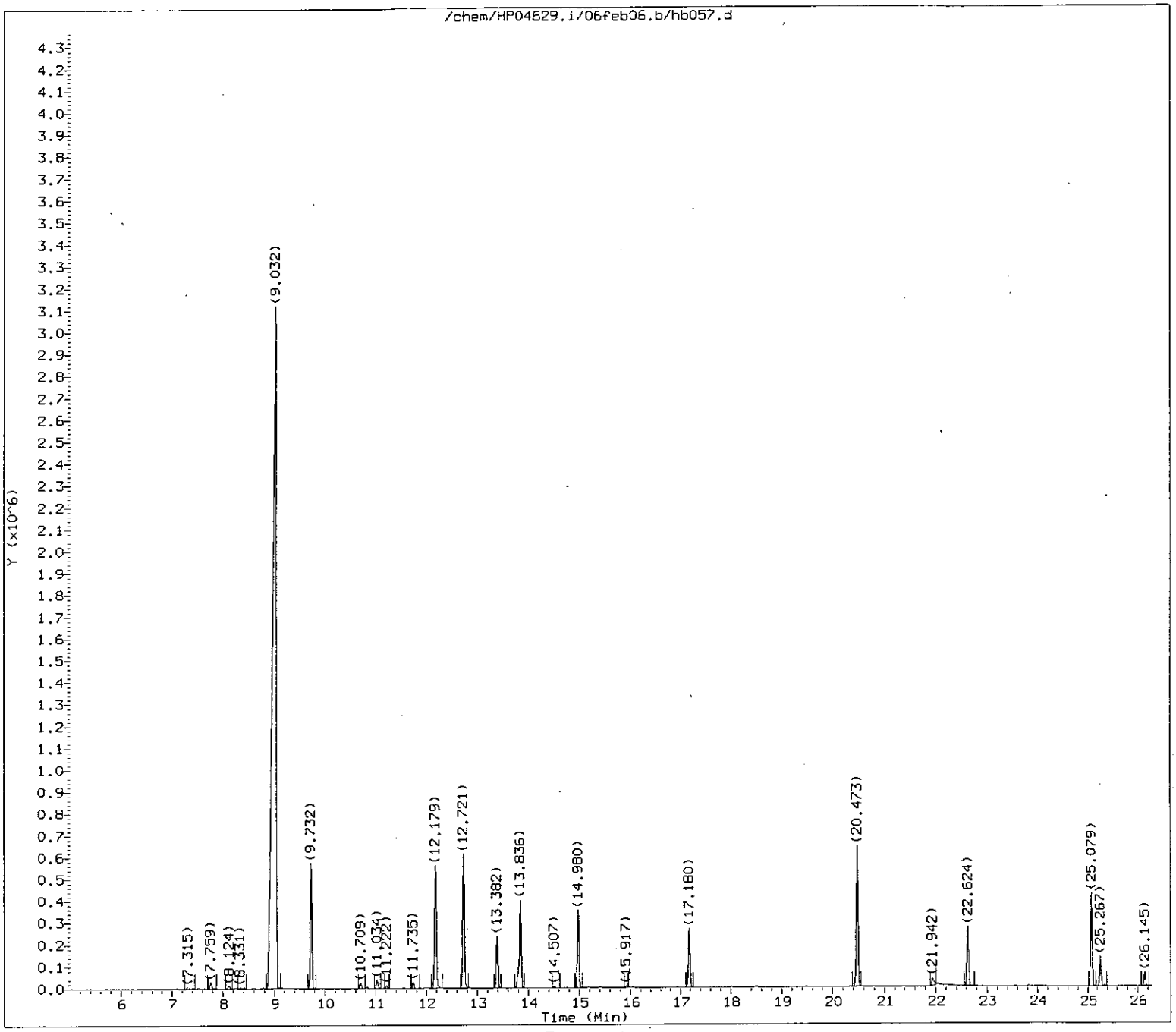
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: J Hatlenstine 1986 Date: 02/06/06
Auditor: LMR/412 Date: 2/7/06

1000



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 19:28

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

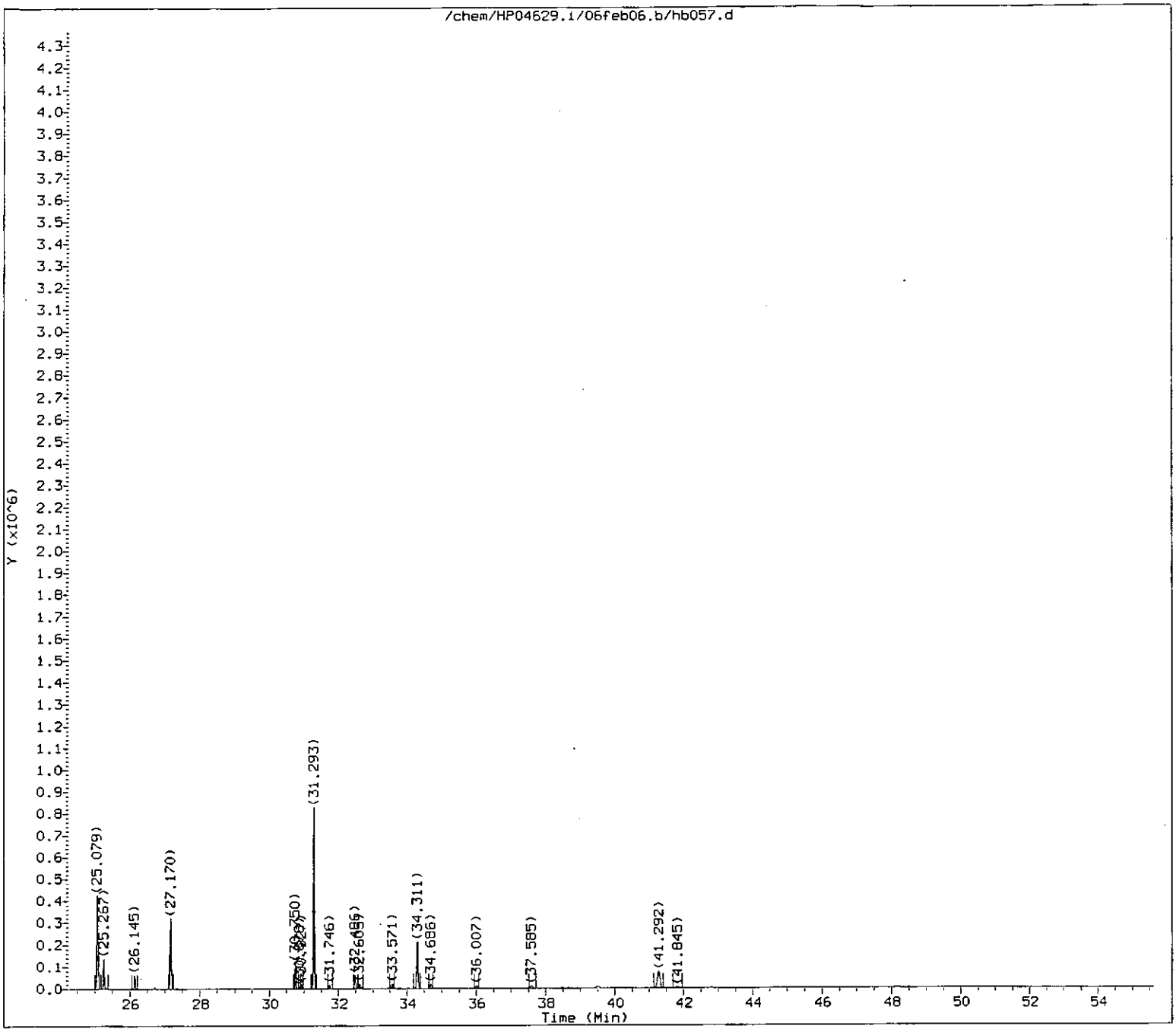
Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Sample Name: SBLKLB0218

Lab Sample ID: SBLKLB021

1881

lmh 06/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 19:28

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Sample Name: SBLKLB0218

Lab Sample ID: SBLKLB021

1882

lmh 06/06/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 19:28

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

Date, time and analyst ID of latest file update: 06-Feb-2006 20:46 lmh00956

Sample Name: SBLKLB0218

Lab Sample ID: SBLKLB021

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.392	152	88238	40.000
41) Naphthalene-d8	(2)	17.180	136	316490	40.000
64) Acenaphthene-d10	(3)	22.624	164	164283	40.000
87) Phenanthrene-d10	(4)	27.170	188	265294	40.000
99) Chrysene-d12	(5)	34.311	240	202693	40.000
105) Perylene-d12	(6)	41.282	264	151226	40.000
4) 2-Fluorophenol	(1)	9.732	112	390810	118.198
10) Phenol-d5	(1)	12.179	99	477932	130.777
14) 2-Chlorophenol-d4	(1)	12.731	132	425435	125.156
21) 1,2-Dichlorobenzene-d4	(1)	13.836	152	147355	66.809
32) Nitrobenzene-d5	(2)	14.980	82	250227	79.194
54) 2-Fluorobiphenyl	(3)	20.473	172	485782	83.740
82) 2,4,6-Tribromophenol	(4)	25.079	330	126073	113.695
94) Terphenyl-d14	(5)	31.293	244	462712	93.202

M = Compound was manually integrated.

A = User selected an alternate hit

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKLB0218

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SBLKLB021

Sample wt/vol: 30 (g/mL) g Lab File ID: hb057.d

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:
Number TICs found: 6 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	11.735	76	J
2.	Unknown	21.942	100	J
3.	Unknown	25.267	290	J
4.	Unknown	26.145	140	J
5.	Unknown Carboxylic Acid	30.750	220	J
6.	Unknown	32.486	130	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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30.				

1004

FORM I SV-1 OLM03.0

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

SBLKLB0218

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: LANCAS Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: SBLKLB021

Sample wt/vol: 30 (g/mL) g Lab File ID: hb057.d

Level: (low/med) LOW Date Received:

% Moisture: Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Alkane	32.605	70	J
2.				
3.				
4.				
5.				
6.				
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30.				

1085

OLM03.0

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Report Date: 06-Feb-2006 21:35

Lancaster Labs

Data file : /chem/HP04629.i/06feb06.b/hb057.d
Lab Smp Id: SBLKLB021 Client Smp ID: SBLKLB0218
Inj Date : 06-FEB-2006 19:28
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : SBLKLB0218;SBLKLB021
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06.b/clp.m
Meth Date : 06-Feb-2006 21:35 lmh00956 Quant Type: ISTD
Cal Date : 06-FEB-2006 17:23 Cal File: hb055.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCLP.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt * Gf/(Vi * Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)(1000 low, 2
Gf	2.00000	Gpc Factor
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 18 1,4-Dichlorobenzene-d4	13.392	562653	40.000
* 64 Acenaphthene-d10	22.624	667526	40.000
* 87 Phenanthrene-d10	27.170	694058	40.000
* 99 Chrysene-d12	34.311	604935	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Report Date: 06-Feb-2006 21:35

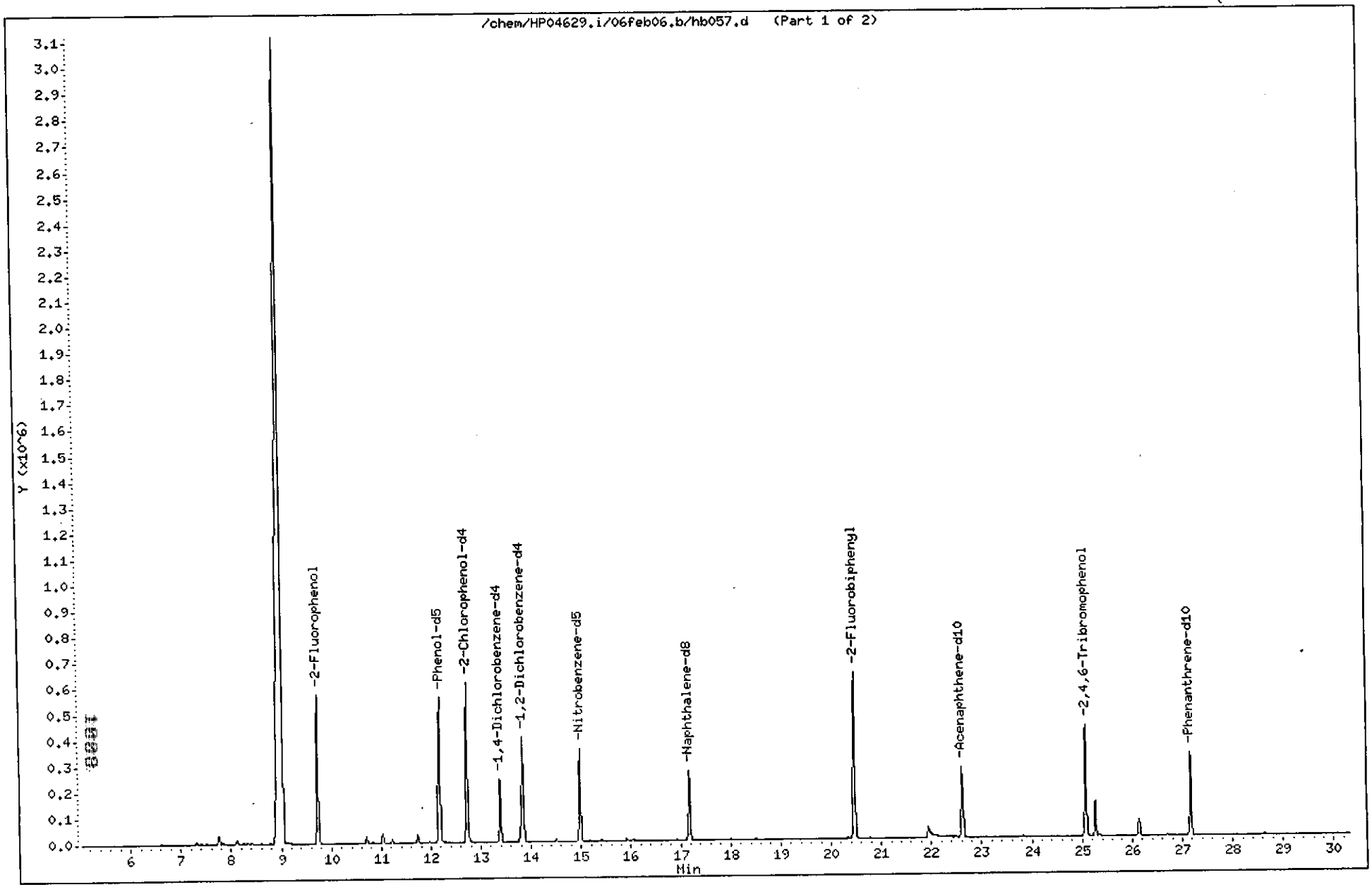
RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Unknown				CAS #:			
11.735	64273	4.56927965	76.15466	0		0	18
Unknown				CAS #:			
21.942	106007	6.35223844	105.87064	0		0	64
Unknown				CAS #:			
25.267	302065	17.4086065	290.14344	0		0	87
Unknown				CAS #:			
26.145	140567	8.10118024	135.01967	0		0	87
Unknown Carboxylic Acid				CAS #:			
30.750	195515	12.9280080	215.46680	0		0	99
Unknown				CAS #:			
32.486	118556	7.83928244	130.65470	0		0	99
Unknown Alkane				CAS #:			
32.605	63528	4.20064363	70.01072	0		0	99

Data File: /chem/HP04629.i/06feb06.b/hb057.d
Date : 06-FEB-2006 19:28
Client ID: SBLKLB0218
Sample Info: SBLKLB0218;SBLKLB021
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

LMM1986 02106106



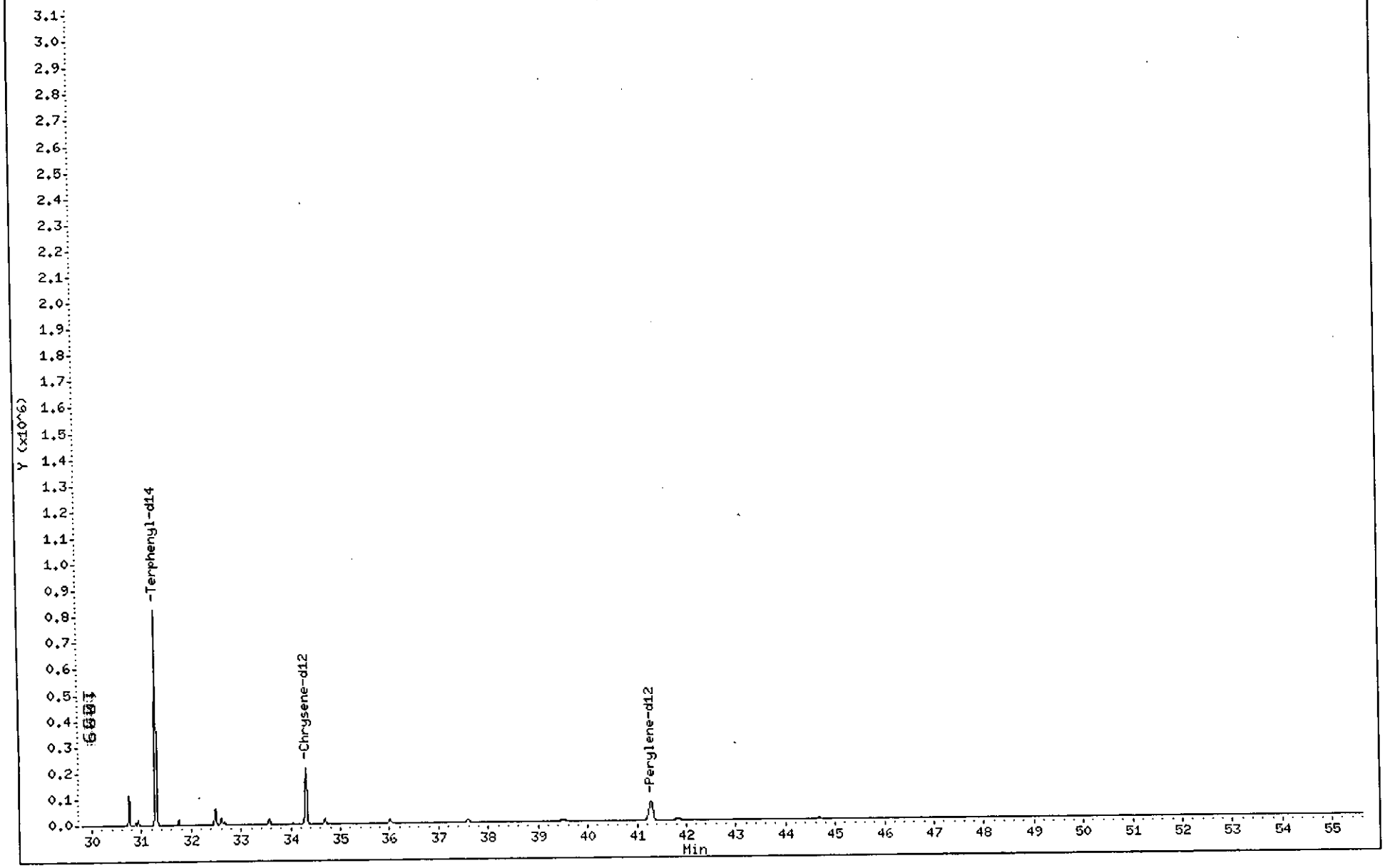
Data File: /chem/HP04629.i/06feb06.b/hb057.d
Date : 06-FEB-2006 19:28
Client ID: SBLKLB0218
Sample Info: SBLKLB0218;SBLKLB021
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

Lmh1950 02/06/06

/chem/HP04629.i/06feb06.b/hb057.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

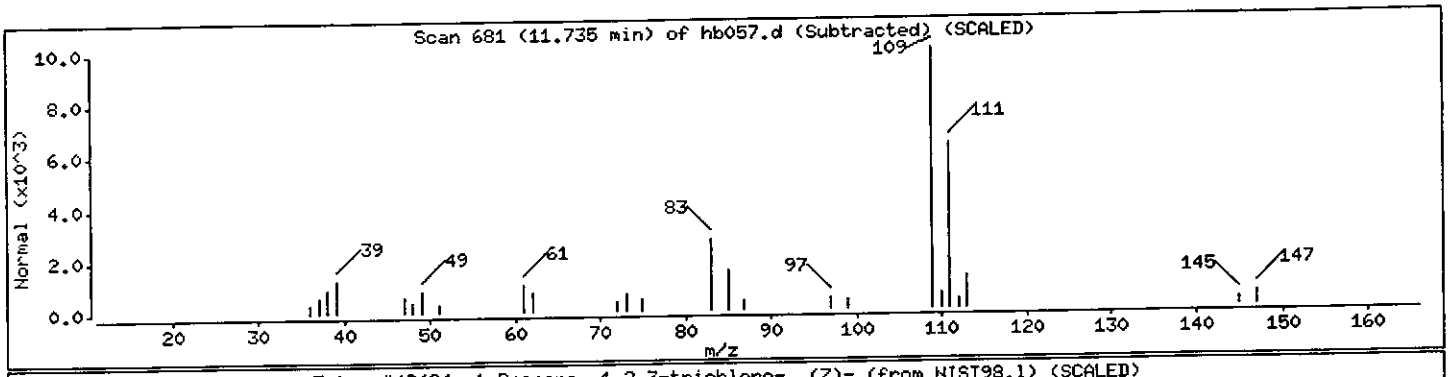
Volume Injected (uL): 2.0

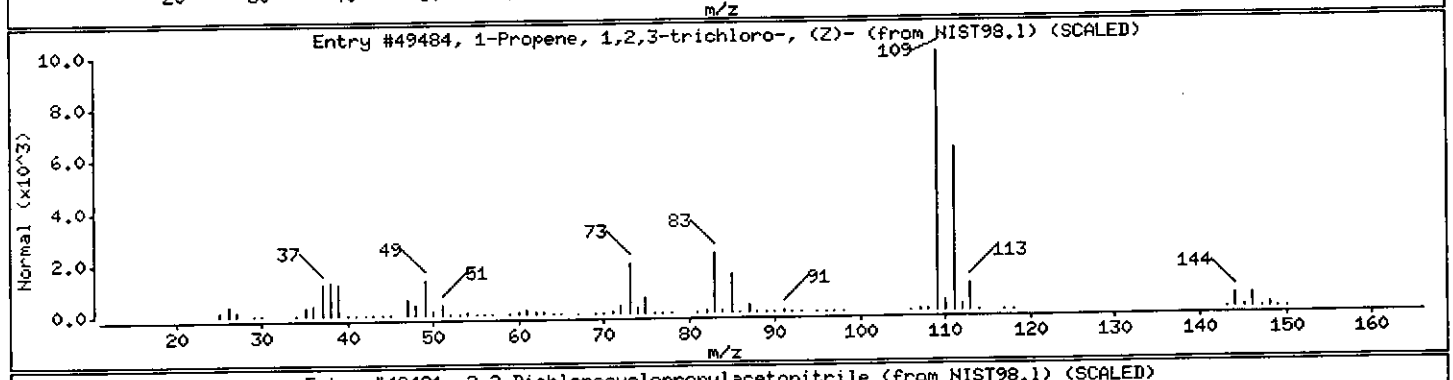
Operator: lmh00956

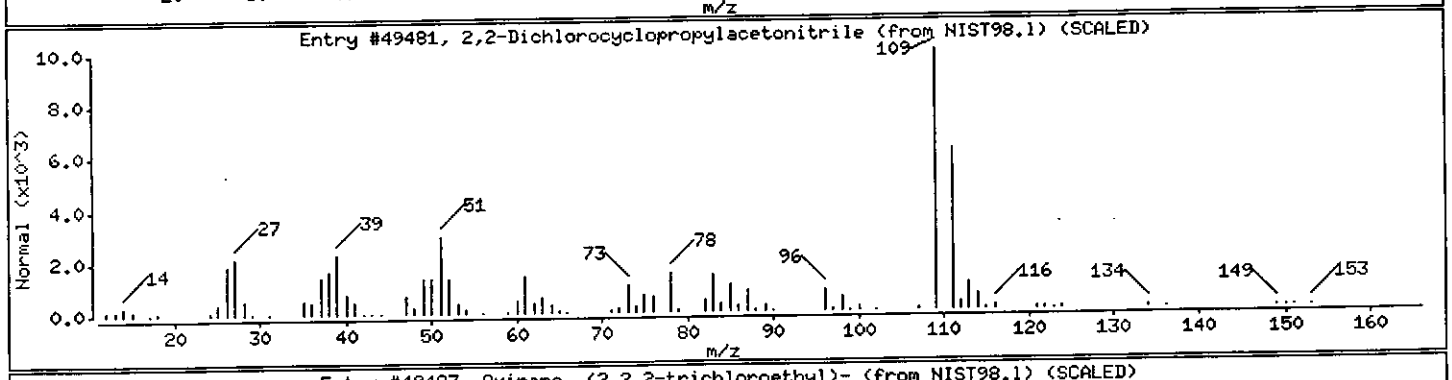
Column phase: J&W DB-5.625

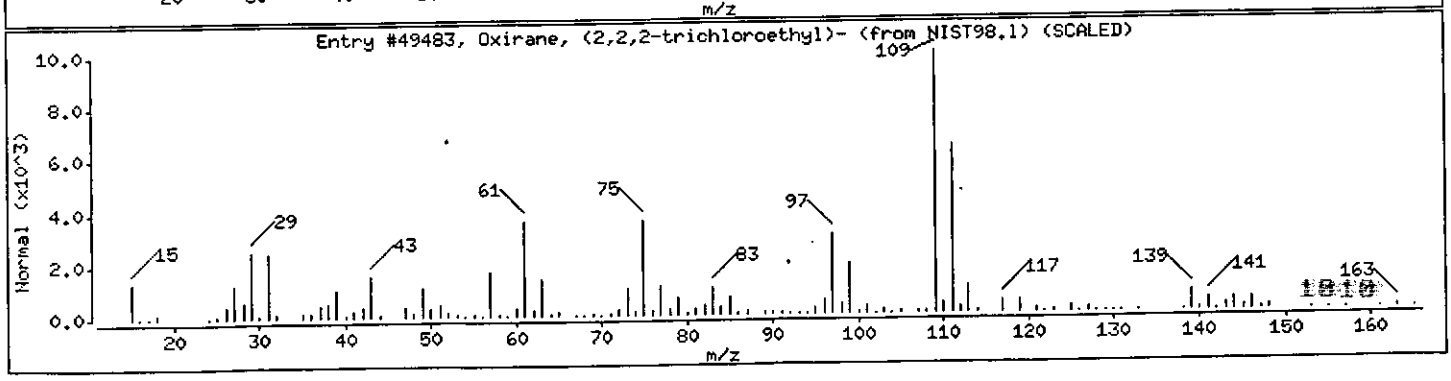
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Propene, 1,2,3-trichloro-, (Z)-	13116-57-9	NIST98.1	49484	64	C3H3Cl3	144
2,2-Dichlorocyclopropylacetonitrile	5365-25-3	NIST98.1	49481	50	C5H5Cl2N	149
Oxirane, (2,2,2-trichloroethyl)-	3083-25-8	NIST98.1	49483	38	C4H5Cl3O	174









Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

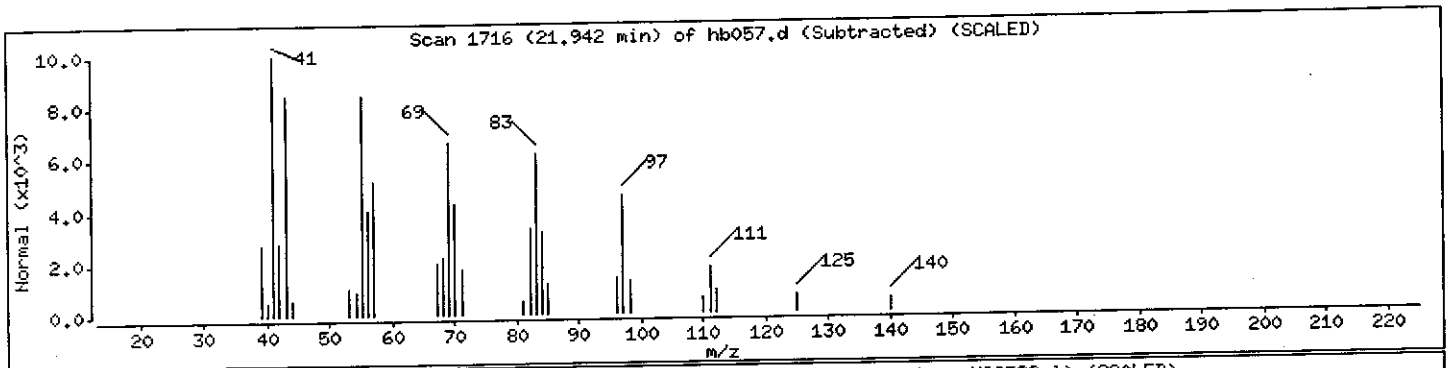
Volume Injected (uL): 2.0

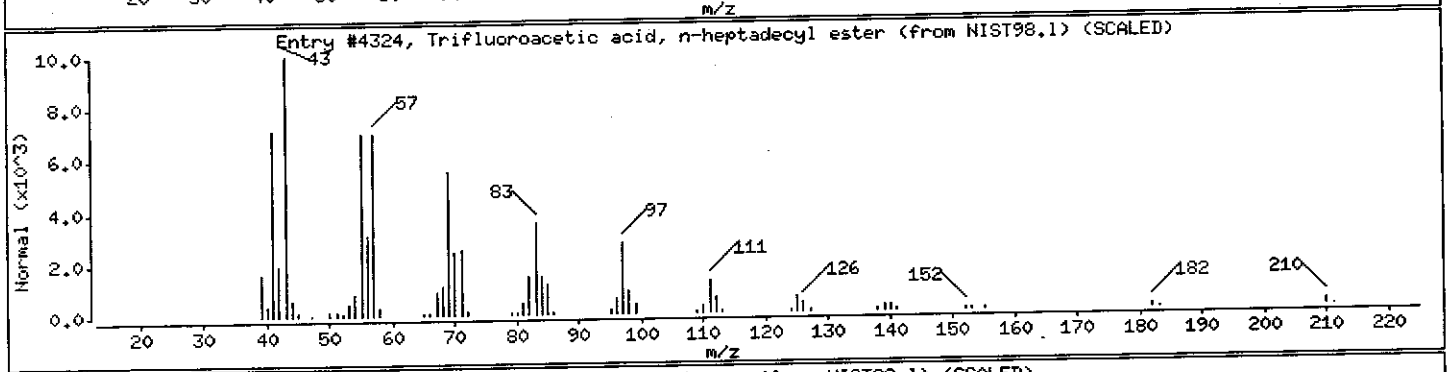
Operator: lmh00956

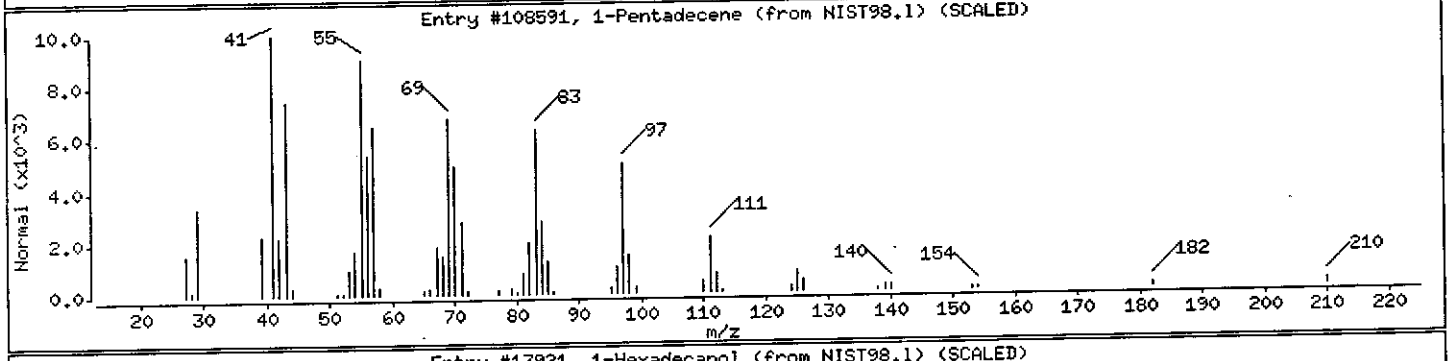
Column phase: J&W DB-5.625

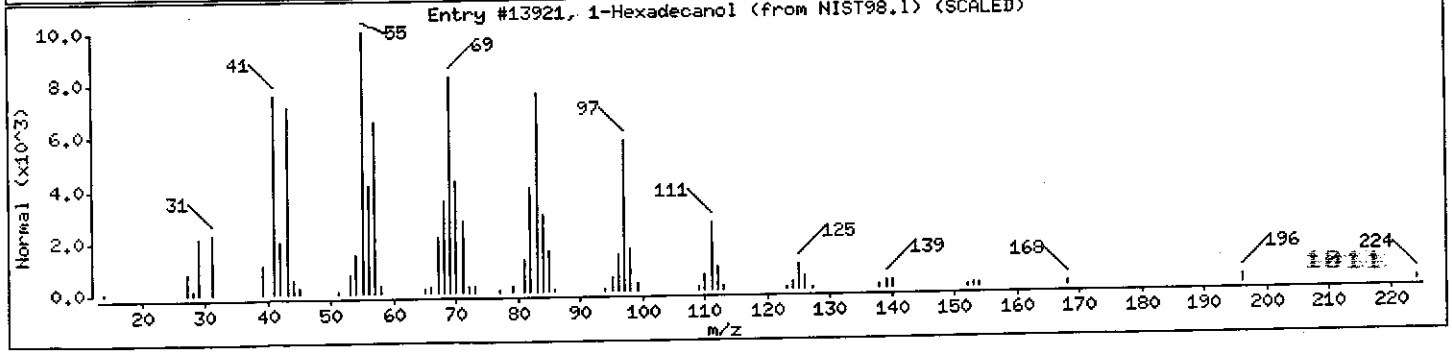
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Trifluoroacetic acid, n-heptadecyl ester	1000216-79-2	NIST98.1	4324	86	C17H31F3O2	324
1-Pentadecene	13360-61-7	NIST98.1	108591	86	C15H30	210
1-Hexadecanol	36653-82-4	NIST98.1	13921	76	C16H34O	242









1011

Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

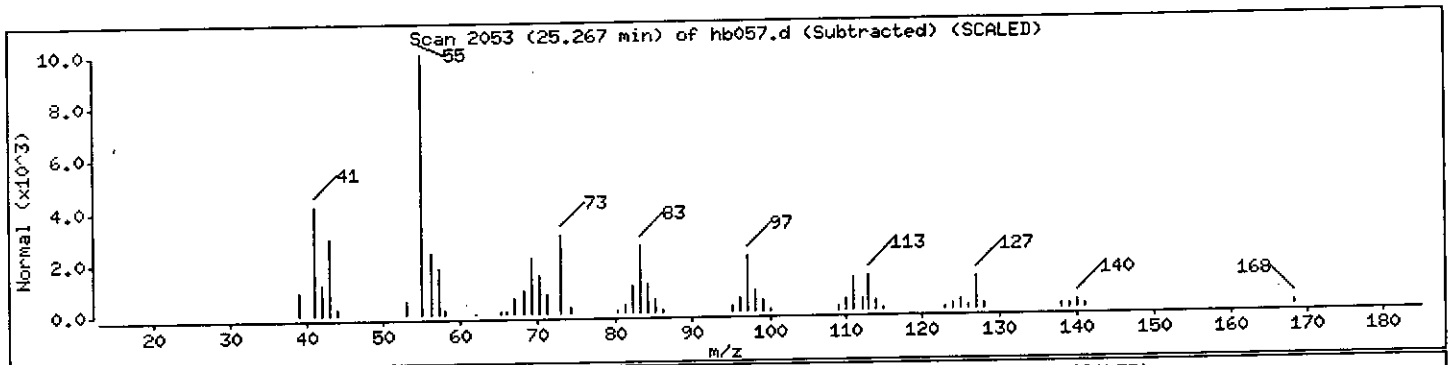
Volume Injected (uL): 2.0

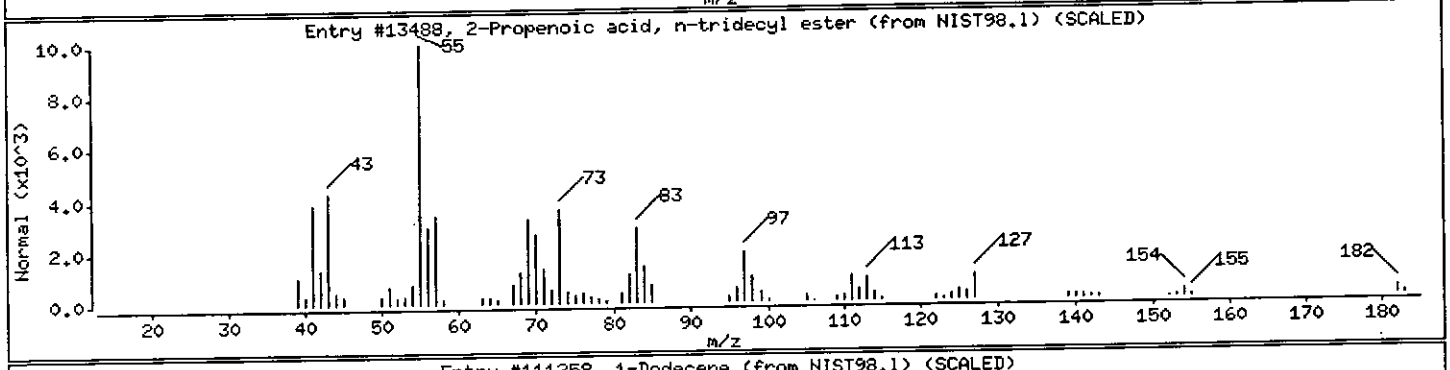
Operator: lmh00956

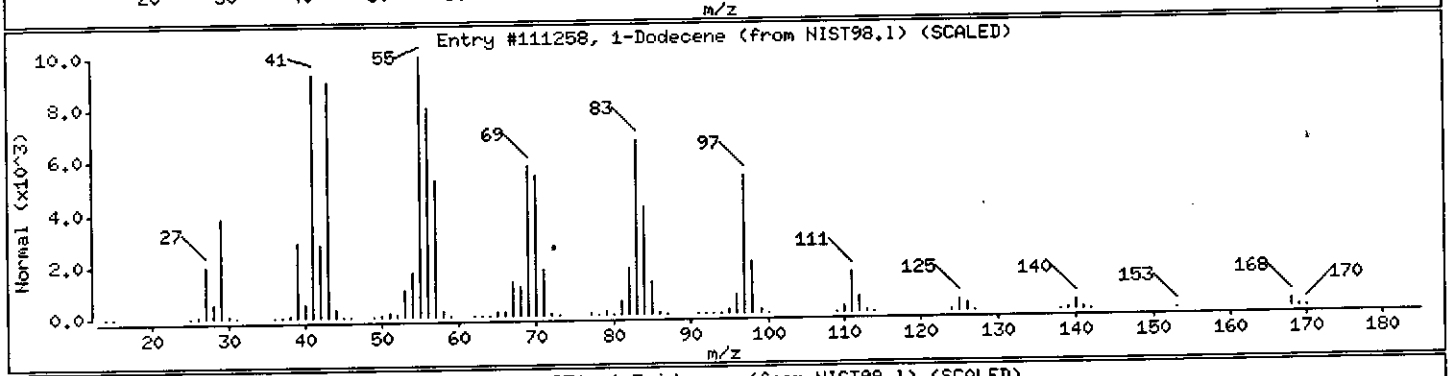
Column phase: J&W DB-5.625

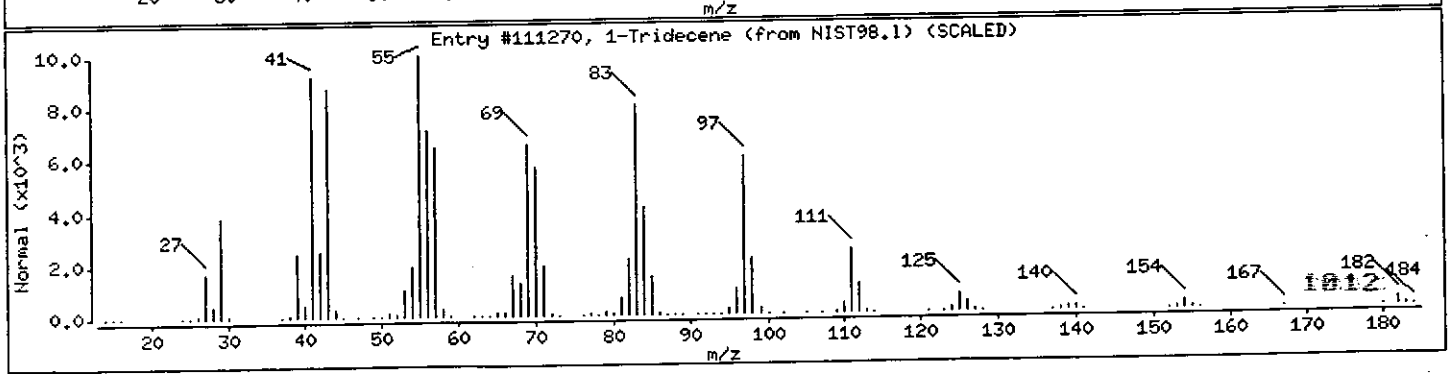
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Propenoic acid, n-tridecyl ester	1000245-63-8	NIST98.1	13488	80	C16H3002	254
1-Dodecene	112-41-4	NIST98.1	111258	55	C12H24	168
1-Tridecene	2437-56-1	NIST98.1	111270	46	C13H26	182









Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

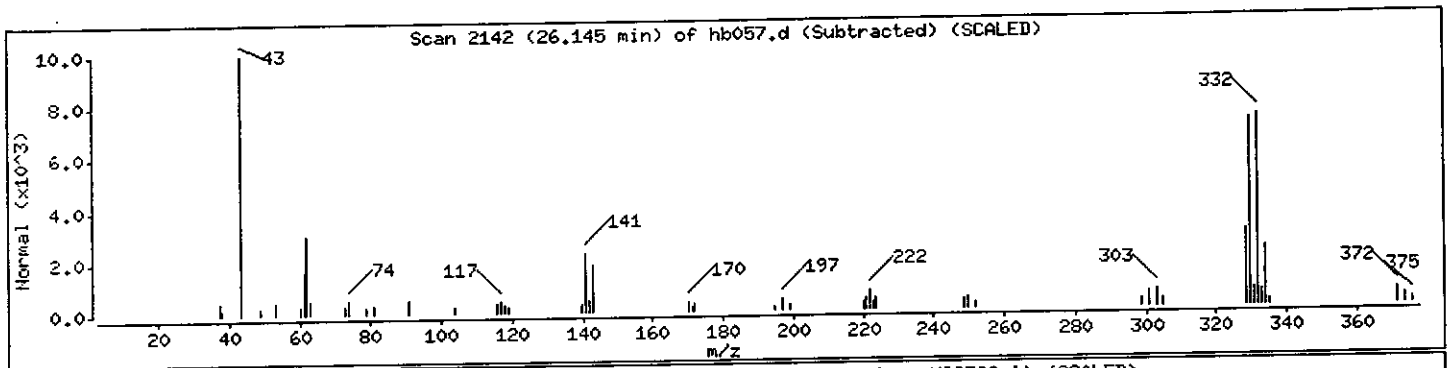
Volume Injected (uL): 2.0

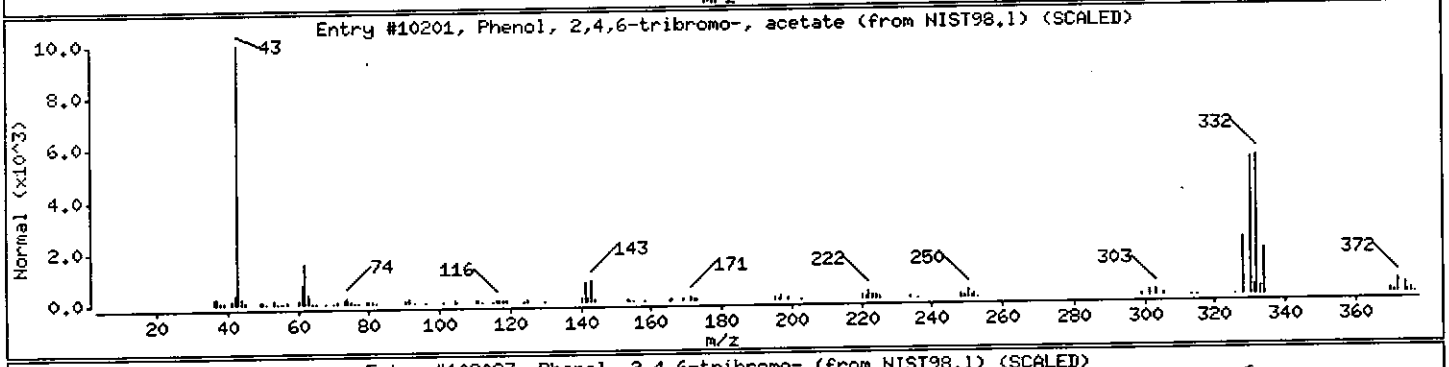
Operator: lmh00956

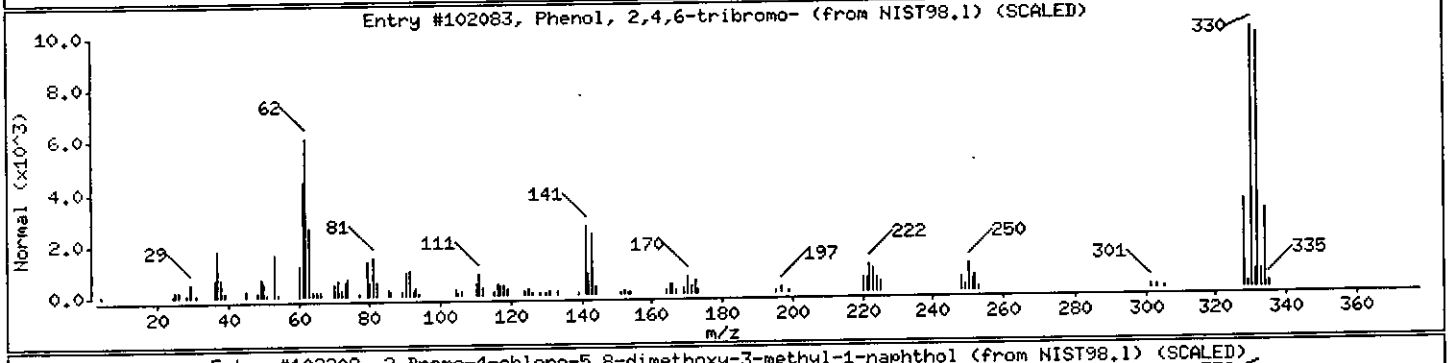
Column phase: J&W DB-5.625

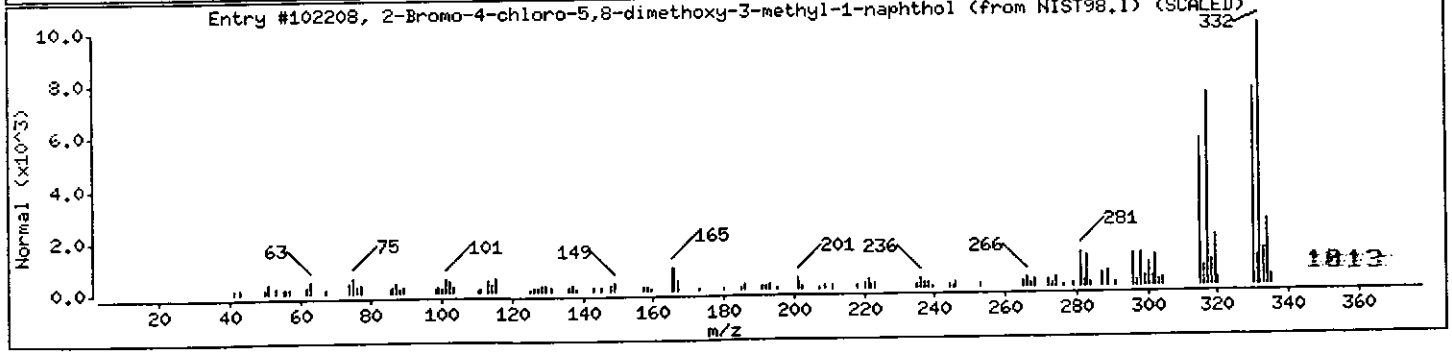
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Phenol, 2,4,6-tribromo-, acetate	607-95-4	NIST98.1	10201	95	C8H5Br3O2	370
Phenol, 2,4,6-tribromo-	118-79-6	NIST98.1	102083	58	C6H3Br3O	328
2-Bromo-4-chloro-5,8-dimethoxy-3-methyl-	104506-11-8	NIST98.1	102208	32	C13H12BrClO3	330









1813

Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

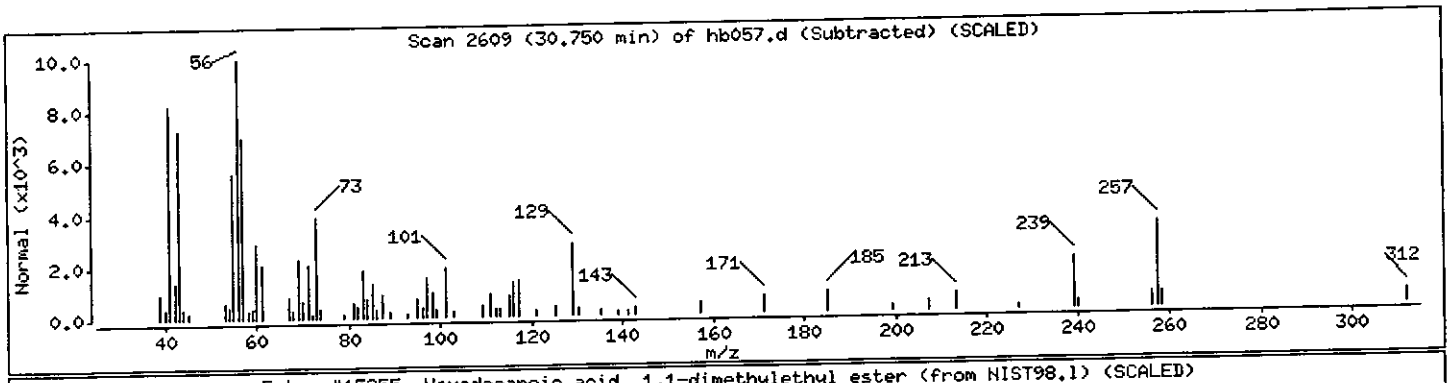
Volume Injected (uL): 2.0

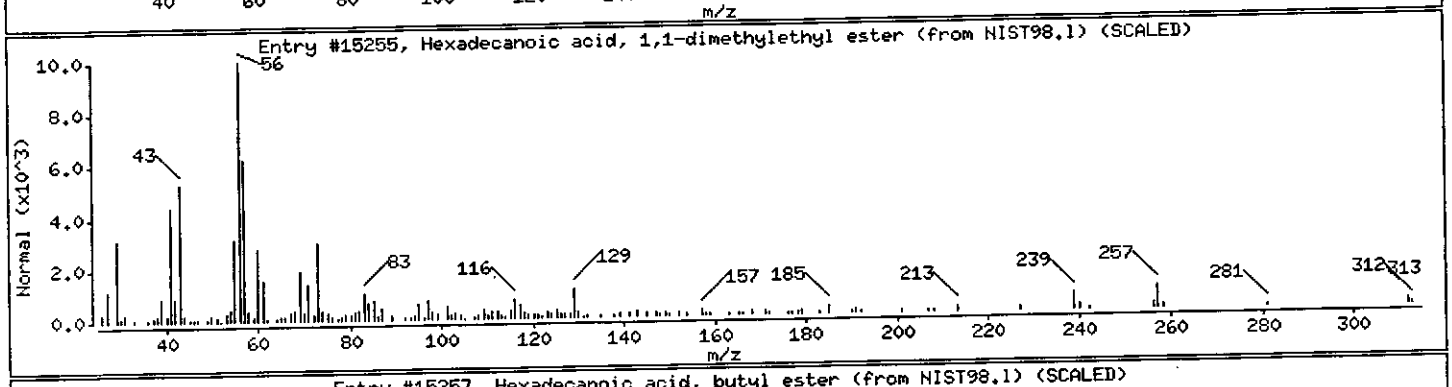
Operator: lmh00956

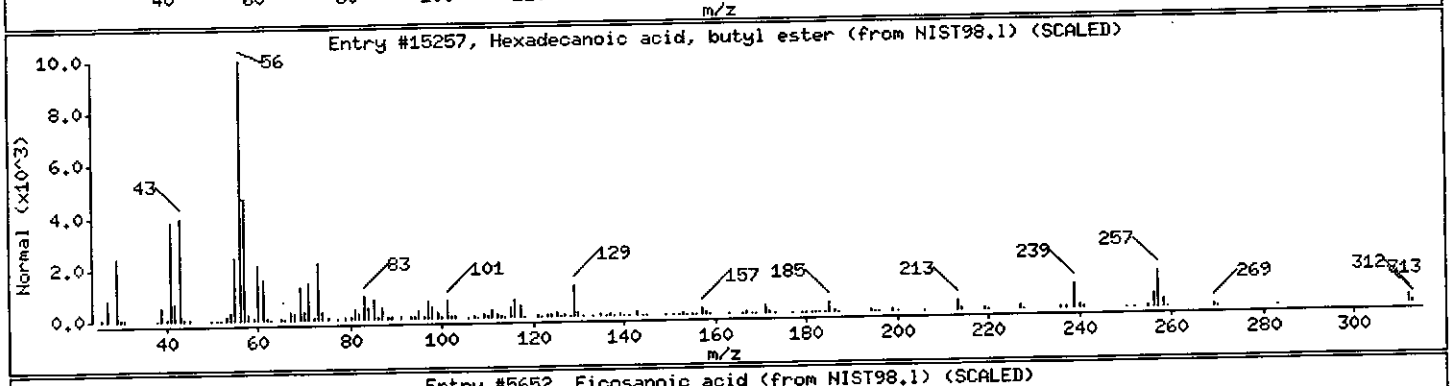
Column phase: J&W DB-5.625

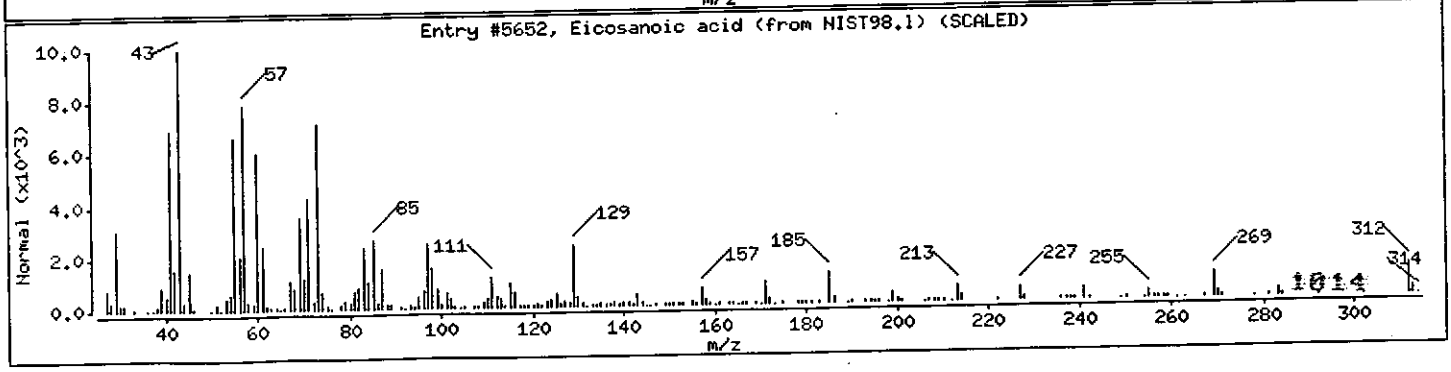
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Carboxylic Acid						
Hexadecanoic acid, 1,1-dimethylethyl est	31158-91-5	NIST98.1	15255	91	C20H40O2	312
Hexadecanoic acid, butyl ester	111-06-8	NIST98.1	15257	84	C20H40O2	312
Eicosanoic acid	506-30-9	NIST98.1	5652	53	C20H40O2	312









Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

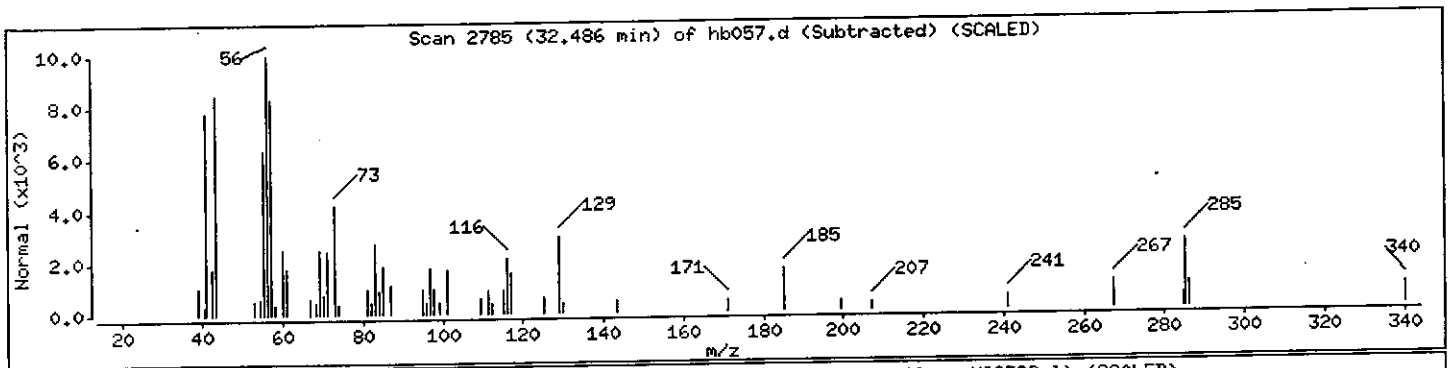
Volume Injected (uL): 2.0

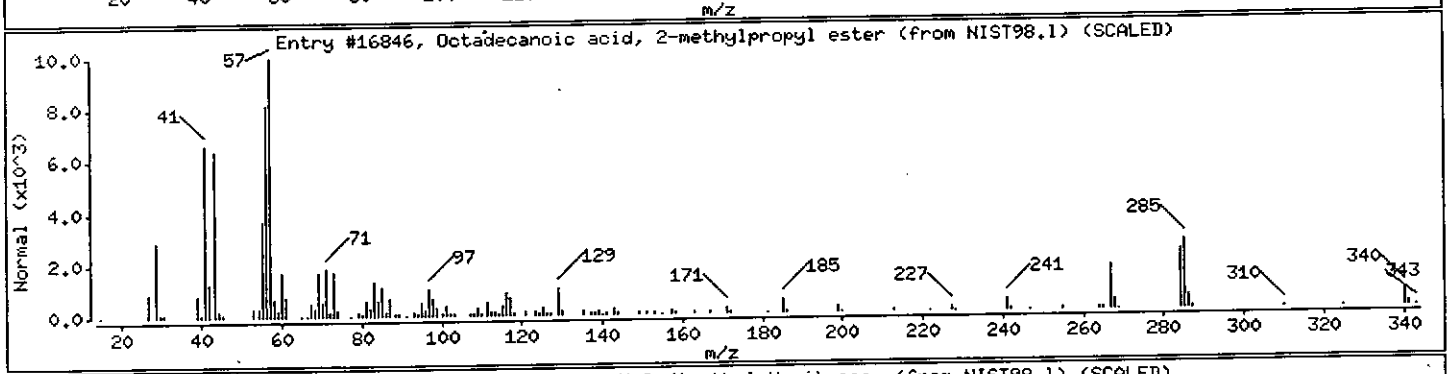
Operator: lmh00956

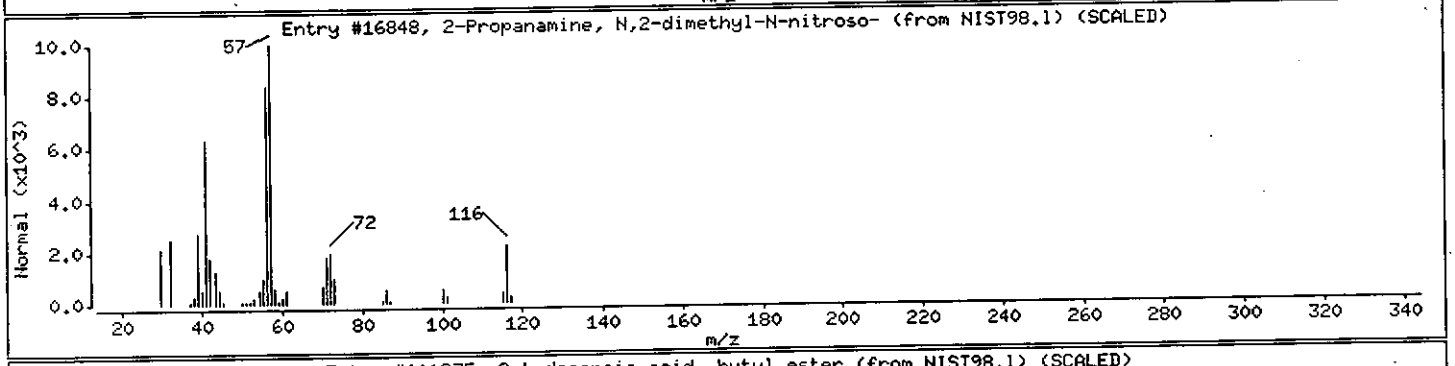
Column phase: J&W DB-5.625

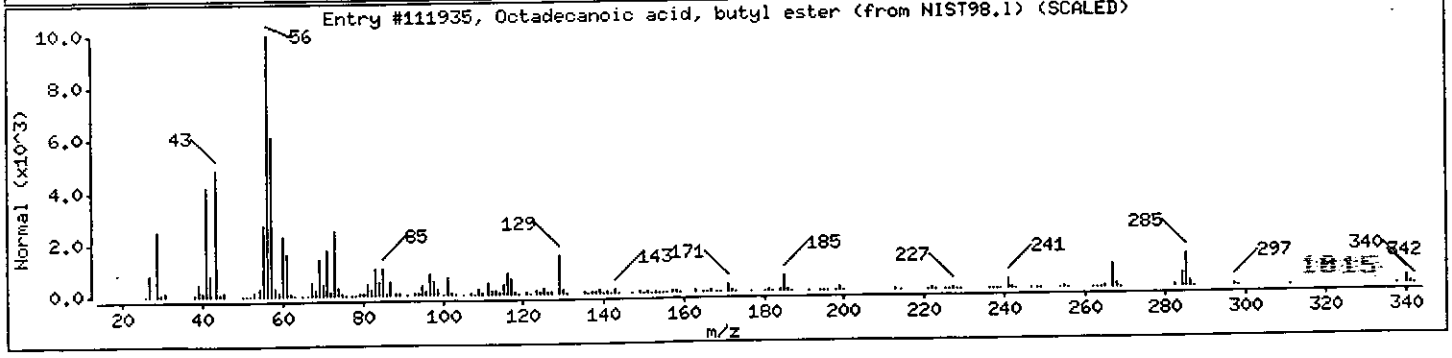
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.1	16846	86	C22H44O2	340
2-Propanamine, N,2-dimethyl-N-nitroso-	2504-18-9	NIST98.1	16848	38	C5H12N2O	116
Octadecanoic acid, butyl ester	123-95-5	NIST98.1	111935	35	C22H44O2	340









Data File: /chem/HP04629.i/06feb06.b/hb057.d

Date : 06-FEB-2006 19:28

Client ID: SBLKLB0218

Instrument: HP04629.i

Sample Info: SBLKLB0218;SBLKLB021

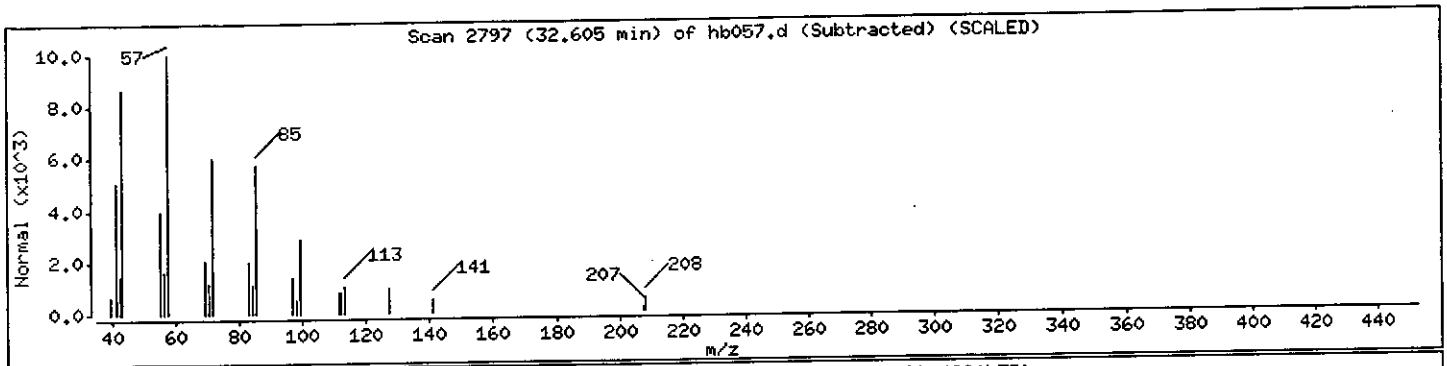
Volume Injected (uL): 2.0

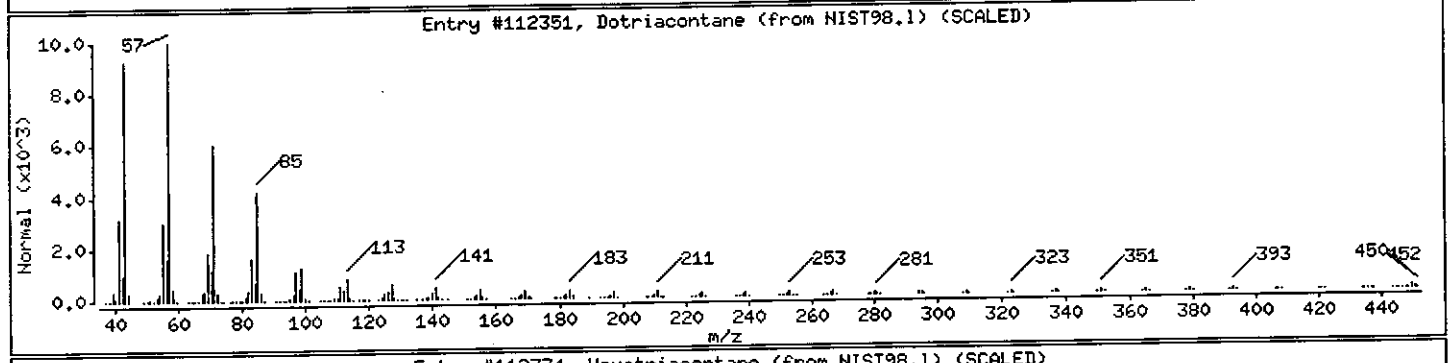
Operator: lmh00956

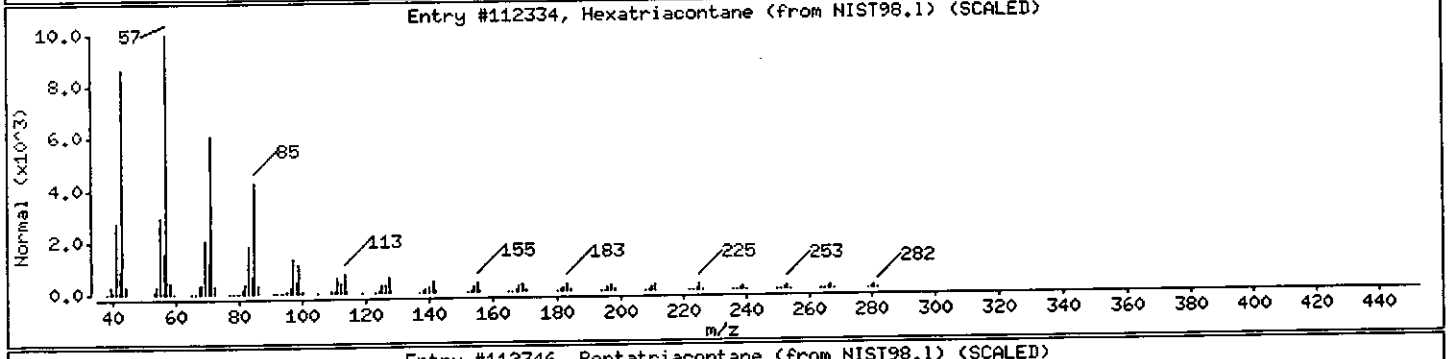
Column phase: J&W DB-5.625

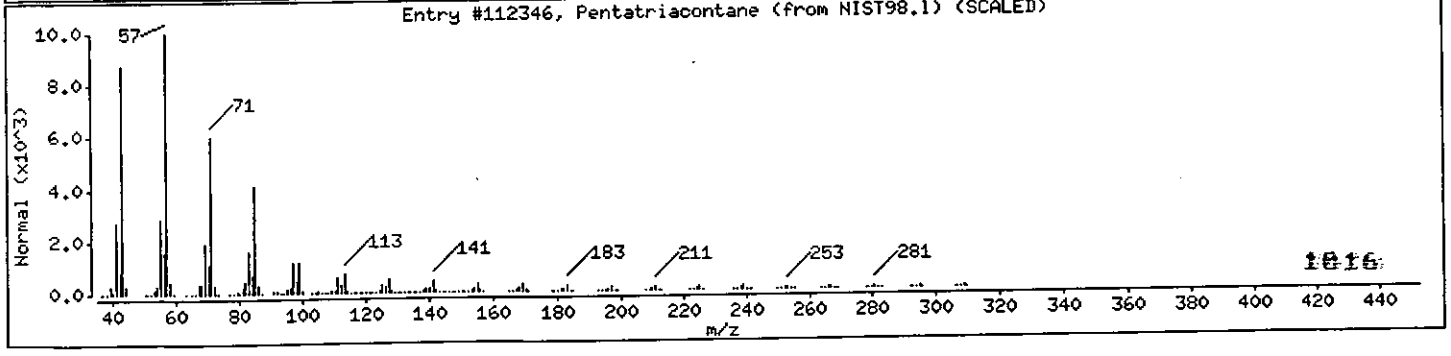
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown Alkane						
Dotriacontane	544-85-4	NIST98.1	112351	90	C32H66	451
Hexatriacontane	630-06-8	NIST98.1	112334	87	C36H74	507
Pentatriacontane	630-07-9	NIST98.1	112346	87	C35H72	493









1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWC0258

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWC025

Sample wt/vol: 1000 (g/mL)ML Lab File ID: hb077.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
108-95-2	Phenol	1	U
111-44-4	bis(2-Chloroethyl)ether	1	U
95-57-8	2-Chlorophenol	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
95-48-7	2-Methylphenol	1	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1	U
106-44-5	4-Methylphenol	1	U
621-64-7	N-Nitroso-di-n-propylamine	1	U
67-72-1	Hexachloroethane	1	U
98-95-3	Nitrobenzene	1	U
78-59-1	Isophorone	1	U
88-75-5	2-Nitrophenol	1	U
105-67-9	2,4-Dimethylphenol	1	U
111-91-1	bis(2-Chloroethoxy)methane	1	U
120-83-2	2,4-Dichlorophenol	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U
91-20-3	Naphthalene	1	U
106-47-8	4-Chloroaniline	2	U
87-68-3	Hexachlorobutadiene	1	U
59-50-7	4-Chloro-3-methylphenol	1	U
91-57-6	2-Methylnaphthalene	1	U
77-47-4	Hexachlorocyclopentadiene	1	U
88-06-2	2,4,6-Trichlorophenol	1	U
95-95-4	2,4,5-Trichlorophenol	1	U
91-58-7	2-Chloronaphthalene	1	U
88-74-4	2-Nitroaniline	1	U
131-11-3	Dimethylphthalate	1	U
606-20-2	2,6-Dinitrotoluene	1	U

1017

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWC0258

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWC025

Sample wt/vol: 1000 (g/mL) ML Lab File ID: hb077.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
208-96-8	Acenaphthylene	1	U
99-09-2	3-Nitroaniline	1	U
83-32-9	Acenaphthene	1	U
51-28-5	2,4-Dinitrophenol	5	U
100-02-7	4-Nitrophenol	1	U
132-64-9	Dibenzofuran	1	U
121-14-2	2,4-Dinitrotoluene	1	U
84-66-2	Diethylphthalate	1	U
7005-72-3	4-Chlorophenyl-phenylether	1	U
86-73-7	Fluorene	1	U
100-01-6	4-Nitroaniline	1	U
534-52-1	4,6-Dinitro-2-methylphenol	1	U
86-30-6	N-Nitrosodiphenylamine	1	U
101-55-3	4-Bromophenyl-phenylether	1	U
118-74-1	Hexachlorobenzene	1	U
87-86-5	Pentachlorophenol	5	U
85-01-8	Phenanthrene	1	U
120-12-7	Anthracene	1	U
86-74-8	Carbazole	1	U
84-74-2	Di-n-butylphthalate	1	U
206-44-0	Fluoranthene	1	U
129-00-0	Pyrene	1	U
85-68-7	Butylbenzylphthalate	1	U
91-94-1	3,3'-Dichlorobenzidine	1	U
56-55-3	Benzo(a)anthracene	1	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	U
218-01-9	Chrysene	1	U
117-84-0	Di-n-octylphthalate	1	U
205-99-2	Benzo(b)fluoranthene	1	U
207-08-9	Benzo(k)fluoranthene	1	U

1818

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWC0258

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWC025

Sample wt/vol: 1000 (g/mL)ML Lab File ID: hb077.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
50-32-8--------	Benzo(a)pyrene	1	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	1	U
53-70-3--------	Dibenz(a,h)anthracene	1	U
191-24-2-------	Benzo(g,h,i)perylene	1	U

1819

SBLKWC0258 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKWC025

Data file: /chem/HP04629.i/06feb07.b/hb077.d
Blank Data file reference: **/chem/HP04629.i/06feb07.b/hb077.d**
Injection date and time: 07-FEB-2006 21:10
Instrument ID: HP04629.i
Batch: 06025WAC
Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Sublist used: **WCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi)
Matrix: WATER
GPC Cleanup: No

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml
Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.303(0.010)	840	152.0	98922(17)	40.00	
41) Naphthalene-d8	17.100(-0.004)	1225	136.0	357775(16)	40.00	
64) Acenaphthene-d10	22.534(0.005)	1776	164.0	187407(15)	40.00	
87) Phenanthrene-d10	27.090(0.004)	2238	188.0	291667(6)	40.00	
99) Chrysene-d12	34.210(0.008)	2960	240.0	264959(9)	40.00	
105) Perylene-d12	41.083(0.022)	3657	264.0	222117(0)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.652(-0.001)	112	505721	132.475	88%		21 - 110
10) Phenol-d5	(1)	12.109(-0.001)	99	609512	141.061	94%		10 - 110
14) 2-Chlorophenol-d4	(1)	12.652(-0.001)	132	546996	142.124	95%		33 - 110
21) 1,2-Dichlorobenzene-d4	(1)	13.757(-0.001)	152	179972	71.553	72%		16 - 110
32) Nitrobenzene-d5	(2)	14.901(0.000)	82	343146	90.158	90%		35 - 114
54) 2-Fluorobiphenyl	(3)	20.394(-0.001)	172	560625	84.416	84%		43 - 116
82) 2,4,6-Tribromophenol	(4)	24.999(0.000)	330	182273	175.840	117%		10 - 123
94) Terphenyl-d14	(5)	31.222(0.000)	244	560742	94.662	95%		33 - 141

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)				Below MDL, Do not report				2.00
13) bis(2-Chloroethyl)ether	(1)				Below MDL, Do not report				2.00
15) 2-Chlorophenol	(1)				ND	ND			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)				ND	ND			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report				2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				ND	ND			2.00
28) N-Nitroso-di-n-propylamine	(1)				ND	ND			2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report				2.00
30) Hexachloroethane	(1)				Below MDL, Do not report				2.00
33) Nitrobenzene	(2)				Below MDL, Do not report				2.00
34) Isophorone	(2)				Below MDL, Do not report				2.00
35) 2-Nitrophenol	(2)				ND	ND			2.00
36) 2,4-Dimethylphenol	(2)				ND	ND			2.00
37) bis(2-Chloroethoxy)methane	(2)				ND	ND			2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)				ND	ND			2.00
42) Naphthalene	(2)				ND	ND			2.00
43) 4-Chloroaniline	(2)				ND	ND			4.00

1020

SBLKWC0258 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKWC025

Data file: /chem/HP04629.i/06feb07.b/hb077.d Blank Data file reference:/chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 21:10 Instrument ID: HP04629.i Batch: 06025WAC
Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m Sublist used: WCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)					ND	ND			2.00
49) 2-Methylnaphthalene	(2)					ND	ND			2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			2.00
52) 2,4,6-Trichlorophenol	(3)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)					Below MDL, Do not report				2.00
60) Dimethylphthalate	(3)					ND	ND			2.00
61) 2,6-Dinitrotoluene	(3)					ND	ND			2.00
62) Acenaphthylene	(3)					ND	ND			2.00
63) 3-Nitroaniline	(3)					ND	ND			2.00
67) Acenaphthene	(3)					ND	ND			2.00
68) 2,4-Dinitrophenol	(3)					ND	ND			10.00
69) 4-Nitrophenol	(3)					ND	ND			2.00
71) Dibenzofuran	(3)					ND	ND			2.00
72) 2,4-Dinitrotoluene	(3)					ND	ND			2.00
74) Diethylphthalate	(3)					Below MDL, Do not report				2.00
76) Fluorene	(3)					Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					ND	ND			2.00
78) 4-Nitroaniline	(3)					ND	ND			2.00
79) 4,6-Dinitro-2-methylphenol	(4)					Below MDL, Do not report				2.00
80) N-Nitrosodiphenylamine	(4)					Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ND	ND			2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)					ND	ND			10.00
88) Phenanthrene	(4)					ND	ND			2.00
89) Anthracene	(4)					ND	ND			2.00
90) Carbazole	(4)					Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)					Below MDL, Do not report				2.00
92) Fluoranthene	(4)					Below MDL, Do not report				2.00
93) Pyrene	(5)					Below MDL, Do not report				2.00
95) Butylbenzylphthalate	(5)					ND	ND			2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			2.00
97) Benzo(a)anthracene	(5)					Below MDL, Do not report				2.00
100) Chrysene	(5)					Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report				4.00
101) Di-n-octylphthalate	(6)					ND	ND			2.00
102) Benzo(b)fluoranthene	(6)					ND	ND			2.00
103) Benzo(k)fluoranthene	(6)					ND	ND			2.00
104) Benzo(a)pyrene	(6)					ND	ND			2.00

SBLKWC0258 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKWC025

Data file: /chem/HP04629.i/06feb07.b/hb077.d
Blank Data file reference:/chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 21:10
Instrument ID: HP04629.i
Batch: 06025WAC
Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Sublist used: WCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi)
Matrix: WATER
GPC Cleanup: No

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml
Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

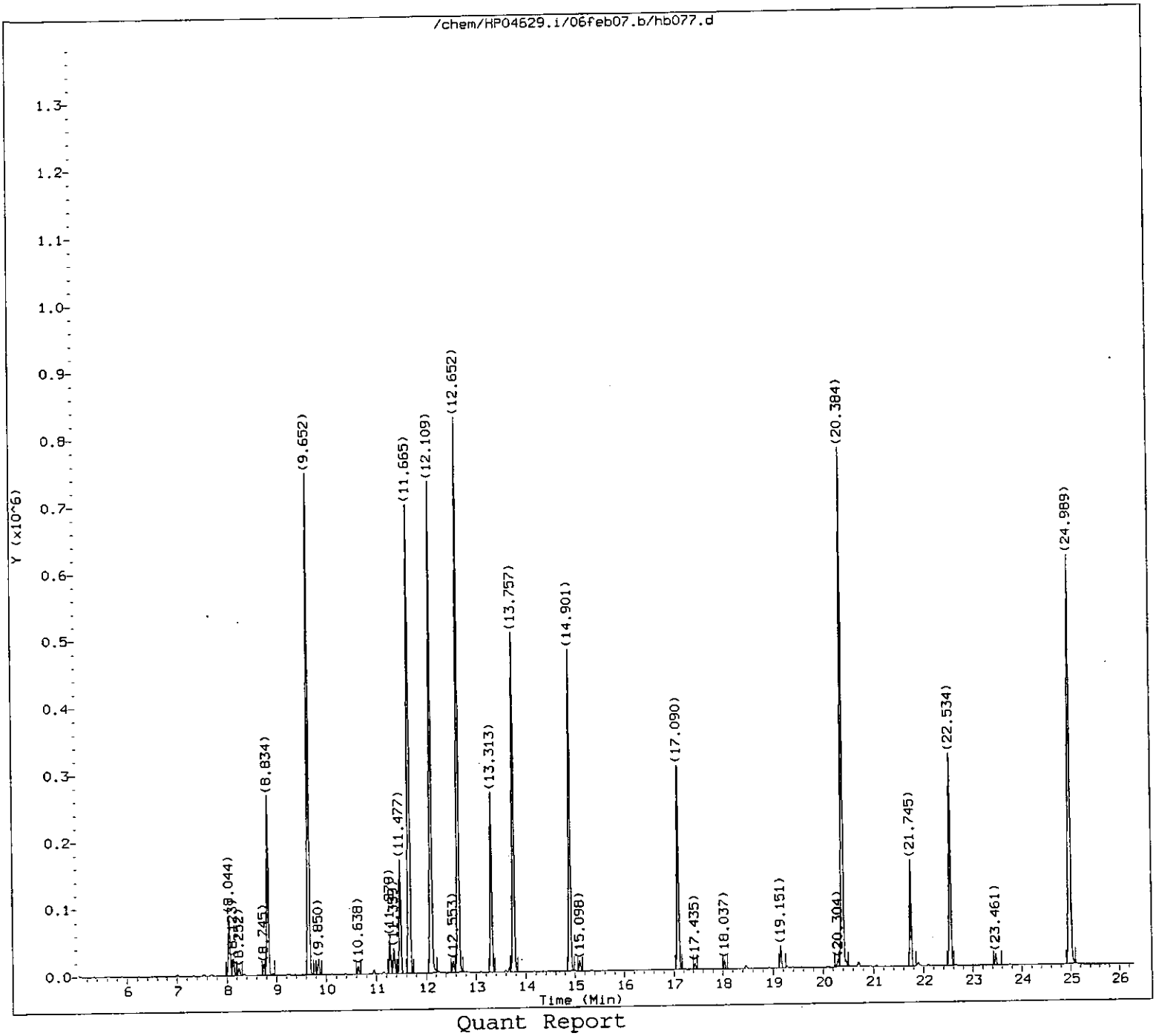
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Hattenstine 1906 Date: 02/07/06
Auditor: CMR/412 Date: 2/9/06

1822



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 21:10

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

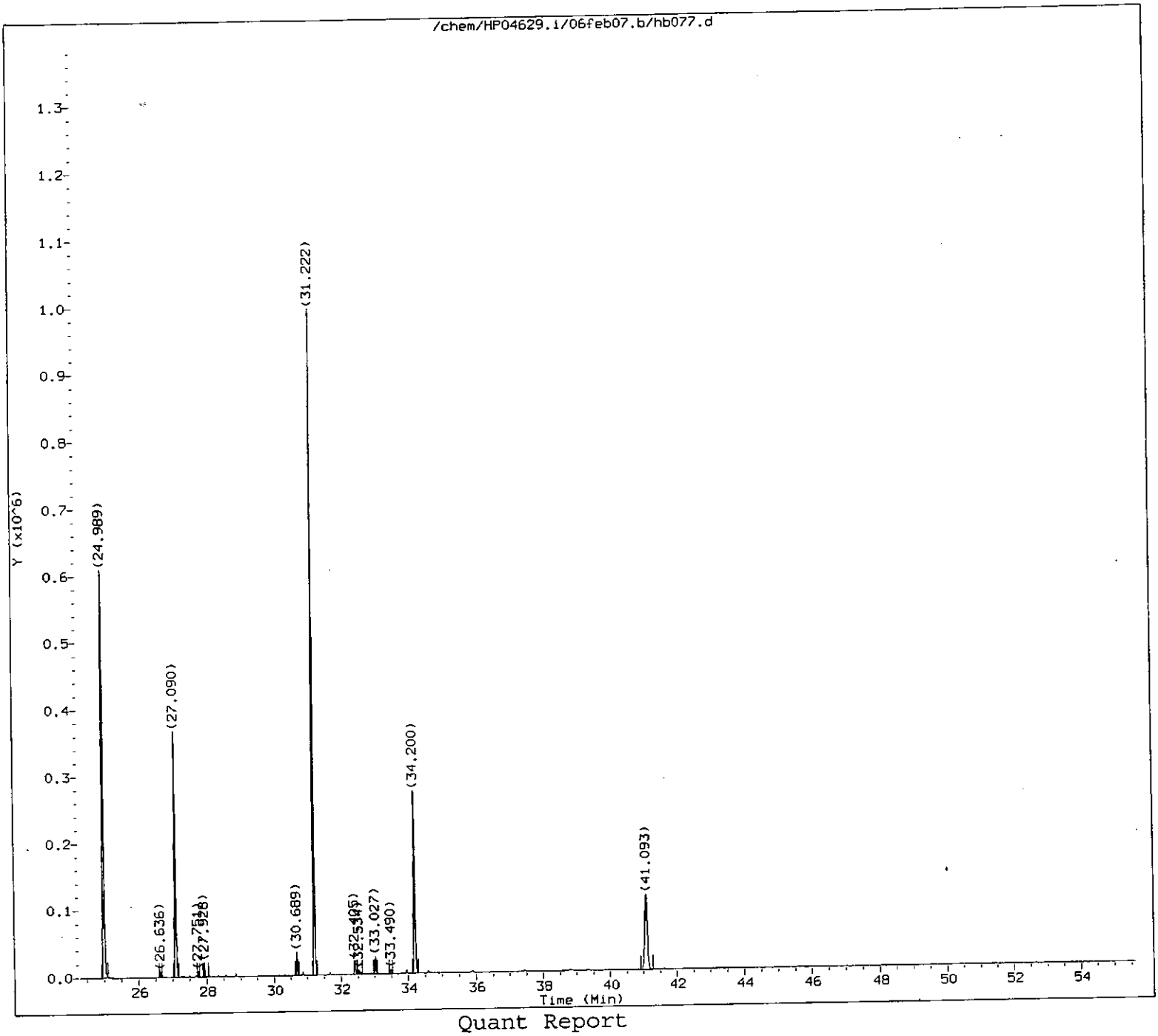
Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Sample Name: SBLKWC0258

Lab Sample ID: SBLKWC025

1823

lmh1956 00107106



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 21:10

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Sample Name: SBLKWC0258

Lab Sample ID: SBLKWC025

1824

LMH198 60107106

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 21:10

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 22:59 lmh00956

Sample Name: SBLKWC0258

Lab Sample ID: SBLKWC025

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.303	152	98922	40.000
41) Naphthalene-d8	(2)	17.100	136	357775	40.000
64) Acenaphthene-d10	(3)	22.534	164	187407	40.000
87) Phenanthrene-d10	(4)	27.090	188	291667	40.000
99) Chrysene-d12	(5)	34.210	240	264959	40.000
105) Perylene-d12	(6)	41.083	264	222117	40.000
4) 2-Fluorophenol	(1)	9.652	112	505721	132.475
10) Phenol-d5	(1)	12.109	99	609512	141.061
14) 2-Chlorophenol-d4	(1)	12.652	132	546996	142.124
21) 1,2-Dichlorobenzene-d4	(1)	13.757	152	179972	71.553
32) Nitrobenzene-d5	(2)	14.901	82	343146	90.158
54) 2-Fluorobiphenyl	(3)	20.394	172	560625	84.416
82) 2,4,6-Tribromophenol	(4)	24.999	330	182273	175.840
94) Terphenyl-d14	(5)	31.222	244	560742	94.662

M = Compound was manually integrated.

A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb070.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
108-95-2	Phenol	2400	
111-44-4	bis(2-Chloroethyl)ether	38	U
95-57-8	2-Chlorophenol	2200	
541-73-1	1,3-Dichlorobenzene	38	U
106-46-7	1,4-Dichlorobenzene	1100	
95-50-1	1,2-Dichlorobenzene	38	U
95-48-7	2-Methylphenol	38	U
108-60-1	2,2'-oxybis(1-Chloropropane)	38	U
106-44-5	4-Methylphenol	38	U
621-64-7	N-Nitroso-di-n-propylamine	1500	
67-72-1	Hexachloroethane	38	U
98-95-3	Nitrobenzene	38	U
78-59-1	Isophorone	38	U
88-75-5	2-Nitrophenol	38	U
105-67-9	2,4-Dimethylphenol	76	U
111-91-1	bis(2-Chloroethoxy)methane	38	U
120-83-2	2,4-Dichlorophenol	38	U
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	38	U
106-47-8	4-Chloroaniline	150	U
87-68-3	Hexachlorobutadiene	38	U
59-50-7	4-Chloro-3-methylphenol	2300	
91-57-6	2-Methylnaphthalene	38	U
77-47-4	Hexachlorocyclopentadiene	76	U
88-06-2	2,4,6-Trichlorophenol	38	U
95-95-4	2,4,5-Trichlorophenol	38	U
91-58-7	2-Chloronaphthalene	38	U
88-74-4	2-Nitroaniline	38	U
131-11-3	Dimethylphthalate	38	U
606-20-2	2,6-Dinitrotoluene	38	U

1026

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb070.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
208-96-8	Acenaphthylene	38	U
99-09-2	3-Nitroaniline	76	U
83-32-9	Acenaphthene	1600	
51-28-5	2,4-Dinitrophenol	190	U
100-02-7	4-Nitrophenol	2400	
132-64-9	Dibenzofuran	38	U
121-14-2	2,4-Dinitrotoluene	1600	
84-66-2	Diethylphthalate	38	U
7005-72-3	4-Chlorophenyl-phenylether	38	U
86-73-7	Fluorene	38	U
100-01-6	4-Nitroaniline	76	U
534-52-1	4,6-Dinitro-2-methylphenol	38	U
86-30-6	N-Nitrosodiphenylamine	38	U
101-55-3	4-Bromophenyl-phenylether	38	U
118-74-1	Hexachlorobenzene	38	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	38	U
120-12-7	Anthracene	38	U
86-74-8	Carbazole	38	U
84-74-2	Di-n-butylphthalate	76	U
206-44-0	Fluoranthene	38	U
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	38	U
91-94-1	3,3'-Dichlorobenzidine	76	U
56-55-3	Benzo(a)anthracene	38	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	U
218-01-9	Chrysene	38	U
117-84-0	Di-n-octylphthalate	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U

1827

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb070.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
50-32-8--------	Benzo(a)pyrene	38	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	38	U
53-70-3--------	Dibenz(a,h)anthracene	38	U
191-24-2-------	Benzo(g,h,i)perylene	38	U

1029

6005-MS

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb070.d
Blank Data file reference: /chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 07:21
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Sublist used: SCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Internal Standards	RT	(+/-RT)	Scan	QIon	Area	(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.386	(0.006)	848	152.0	88872	(3)	40.00	
41) Naphthalene-d8	17.172	(0.013)	1231	136.0	315635	(2)	40.00	
64) Acenaphthene-d10	22.624	(0.003)	1781	164.0	172869	(2)	40.00	
87) Phenanthrene-d10	27.169	(0.012)	2238	188.0	274329	(4)	40.00	
99) Chrysene-d12	34.311	(0.004)	2954	240.0	194448	(1)	40.00	
105) Perylene-d12	41.286	(0.005)	3658	264.0	135715	(-7)	40.00	

= RETENTION TIME OUT OF RANGE
* = INTERNAL STANDARD OUT OF RANGE
NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.733	(-0.001)	112	426279	125.419	84%		25 - 121
10) Phenol-d5	(1)	12.190	(-0.001)	99	518858	139.811	93%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.724	(0.000)	132	457838	131.183	87%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.841	(0.000)	152	157515	71.547	72%		20 - 130
32) Nitrobenzene-d5	(2)	14.977	(0.000)	82	275653	84.148	84%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.471	(0.000)	172	507818	83.287	83%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.079	(0.000)	330	150020	130.932	87%		19 - 122
94) Terphenyl-d14	(5)	31.289	(0.000)	244	470299	101.073	101%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE
* = PERCENT REC.OUT OF RANGE
D = DILUTED OUT
NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)	12.230	(-0.001)	94	472021	124.105	2068.42			2.00
13) bis(2-Chloroethyl)ether	(1)					ND	ND			2.00
15) 2-Chlorophenol	(1)	12.773	(0.000)	128	424290	115.790	1929.83			2.00
17) 1,3-Dichlorobenzene	(1)					ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)	13.435	(0.000)	146	226143	58.517	975.28			2.00
22) 1,2-Dichlorobenzene	(1)					ND	ND			2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report					2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				Below MDL, Do not report					2.00
28) N-Nitroso-di-n-propylamine	(1)	14.473	(0.001)	70	152311	79.016	1316.94			2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report					2.00
30) Hexachloroethane	(1)					ND	ND			2.00
33) Nitrobenzene	(2)				Below MDL, Do not report					2.00
34) Isophorone	(2)				Below MDL, Do not report					2.00
35) 2-Nitrophenol	(2)				Below MDL, Do not report					2.00
36) 2,4-Dimethylphenol	(2)				Below MDL, Do not report					4.00
37) bis(2-Chloroethoxy)methane	(2)				Below MDL, Do not report					2.00
39) 2,4-Dichlorophenol	(2)					ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)	16.984	(-0.001)	180	217327	69.385	1156.42			2.00
42) Naphthalene	(2)				Below MDL, Do not report					2.00
43) 4-Chloroaniline	(2)				Below MDL, Do not report					8.00

6005-MS

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb070.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 07:21
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Sublist used: SCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)				ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)	18.756(0.000)	142	286559	123.221	2053.69			2.00
49) 2-Methylnaphthalene	(2)				Below MDL, Do not report				2.00
51) Hexachlorocyclopentadiene	(3)				ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)				Below MDL, Do not report				2.00
53) 2,4,5-Trichlorophenol	(3)				Below MDL, Do not report				2.00
57) 2-Chloronaphthalene	(3)				ND	ND			2.00
58) 2-Nitroaniline	(3)				Below MDL, Do not report				2.00
60) Dimethylphthalate	(3)				Below MDL, Do not report				2.00
61) 2,6-Dinitrotoluene	(3)				Below MDL, Do not report				2.00
62) Acenaphthylene	(3)				Below MDL, Do not report				2.00
63) 3-Nitroaniline	(3)				Below MDL, Do not report				4.00
67) Acenaphthene	(3)	22.734(0.000)	153	405211	82.458	1374.30			2.00
68) 2,4-Dinitrophenol	(3)				ND	ND			10.00
69) 4-Nitrophenol	(3)	22.863(0.000)	109	166642	125.376	2089.60			2.00
71) Dibenzofuran	(3)				Below MDL, Do not report				2.00
72) 2,4-Dinitrotoluene	(3)	23.151(0.000)	165	193312	83.596	1393.26			2.00
74) Diethylphthalate	(3)				Below MDL, Do not report				2.00
76) Fluorene	(3)				Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)				Below MDL, Do not report				2.00
78) 4-Nitroaniline	(3)				Below MDL, Do not report				4.00
79) 4,6-Dinitro-2-methylphenol	(3)				Below MDL, Do not report				2.00
80) N-Nitrosodiphenylamine	(4)				Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)				Below MDL, Do not report				2.00
84) Hexachlorobenzene	(4)				ND	ND			2.00
86) Pentachlorophenol	(4)				ND	ND			2.00
88) Phenanthrene	(4)	26.581(-0.001)	266	112854	84.862	1414.37			10.00
89) Anthracene	(4)				Below MDL, Do not report				2.00
90) Carbazole	(4)				Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)				Below MDL, Do not report				2.00
92) Fluoranthene	(4)				Below MDL, Do not report				4.00
93) Pyrene	(4)				Below MDL, Do not report				2.00
95) Butylbenzylphthalate	(5)	30.999(0.000)	202	609949	73.662	1227.70			2.00
96) 3,3'-Dichlorobenzidine	(5)				Below MDL, Do not report				2.00
97) Benzo(a)anthracene	(5)				ND	ND			4.00
100) Chrysene	(5)				Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)				Below MDL, Do not report				2.00
101) Di-n-octylphthalate	(5)				Below MDL, Do not report				2.00
102) Benzo(b)fluoranthene	(6)				Below MDL, Do not report				2.00
103) Benzo(k)fluoranthene	(6)				Below MDL, Do not report				2.00
104) Benzo(a)pyrene	(6)				Below MDL, Do not report				2.00
	(6)				Below MDL, Do not report				2.00

6005-MS

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb070.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 07:21
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Sublist used: SCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

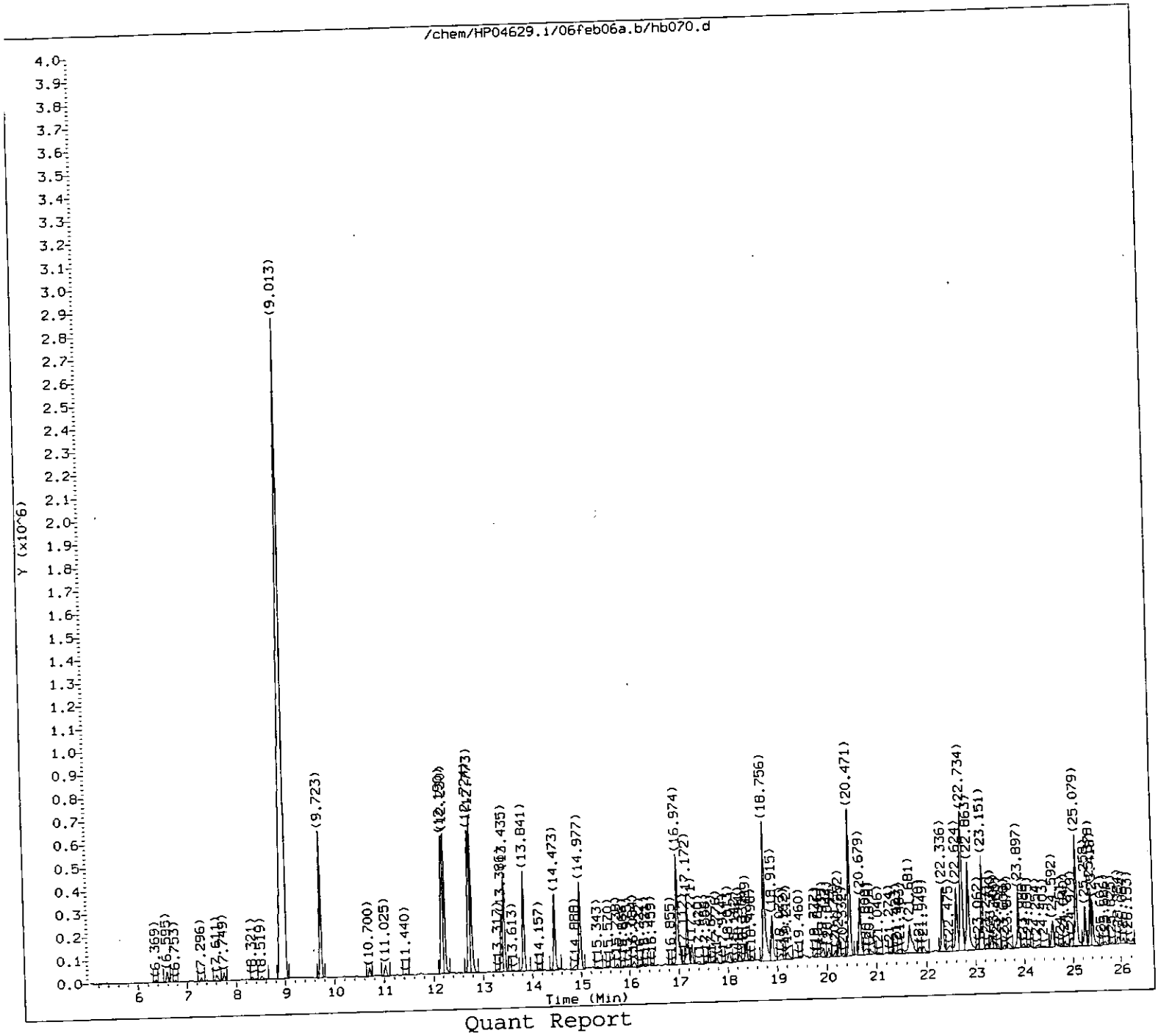
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Jm Hamilton
Date: 2-07-06
Auditor: CMR/412
Date: 2/7/06

1831



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb070.d
Injection date and time: 07-FEB-2006 07:21

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m

Sublist used: SCLP

Calibration date and time: 07-FEB-2006 10:11
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MS

Lab Sample ID: 4692565

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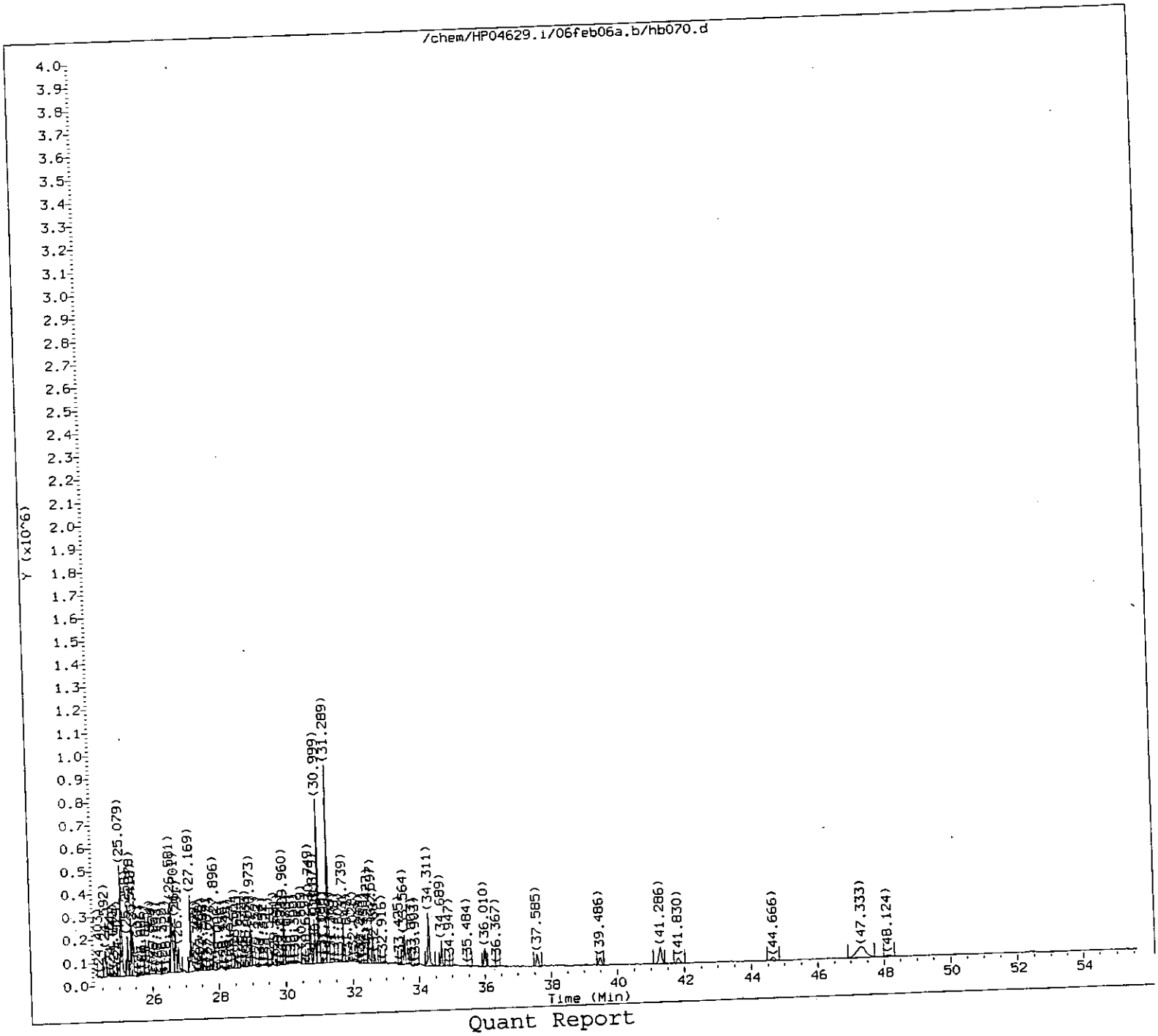
lmh 02/07/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb070.d
Injection date and time: 07-FEB-2006 07:21

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 10:11

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MS

Lab Sample ID: 4692565

JMG 346
2-07-06

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Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb070.d
Injection date and time: 07-FEB-2006 07:21

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 07-FEB-2006 10:11

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MS

Lab Sample ID: 4692565

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
11) Phenol	(1)	12.230	94	472021	124.105
15) 2-Chlorophenol	(1)	12.773	128	424290	115.790
18) 1,4-Dichlorobenzene-d4	(1)	13.386	152	88872	40.000
19) 1,4-Dichlorobenzene	(1)	13.435	146	226143	58.517
28) N-Nitroso-di-n-propylamine	(1)	14.473	70	152311	79.016
40) 1,2,4-Trichlorobenzene	(2)	16.984	180	217327	69.385
41) Naphthalene-d8	(2)	17.172	136	315635	40.000
47) 4-Chloro-3-methylphenol	(2)	18.756	142	286559	123.221
64) Acenaphthene-d10	(3)	22.624	164	172869	40.000
67) Acenaphthene	(3)	22.734	153	405211	82.458
69) 4-Nitrophenol	(3)	22.863	109	166642	125.376
72) 2,4-Dinitrotoluene	(3)	23.151	165	193312	83.596
86) Pentachlorophenol	(4)	26.581	266	112854	84.862
87) Phenanthrene-d10	(4)	27.169	188	274329	40.000
93) Pyrene	(5)	30.999	202	609949	73.662
99) Chrysene-d12	(5)	34.311	240	194448	40.000
105) Perylene-d12	(6)	41.286	264	135715	40.000
4) 2-Fluorophenol	(1)	9.733	112	426279	125.419
10) Phenol-d5	(1)	12.190	99	518858	139.811
14) 2-Chlorophenol-d4	(1)	12.724	132	457838	131.183
21) 1,2-Dichlorobenzene-d4	(1)	13.841	152	157515	71.547
32) Nitrobenzene-d5	(2)	14.977	82	275653	84.148
54) 2-Fluorobiphenyl	(3)	20.471	172	507818	83.287
82) 2,4,6-Tribromophenol	(4)	25.079	330	150020	130.932
94) Terphenyl-d14	(5)	31.289	244	470299	101.073

M = Compound was manually integrated.

A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb071.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	MDL	Q
108-95-2	Phenol	2400		
111-44-4	bis(2-Chloroethyl)ether	38		U
95-57-8	2-Chlorophenol	2200		
541-73-1	1,3-Dichlorobenzene	38		U
106-46-7	1,4-Dichlorobenzene	1200		
95-50-1	1,2-Dichlorobenzene	38		U
95-48-7	2-Methylphenol	38		U
108-60-1	2,2'-oxybis(1-Chloropropane)	38		U
106-44-5	4-Methylphenol	38		U
621-64-7	N-Nitroso-di-n-propylamine	1600		
67-72-1	Hexachloroethane	38		U
98-95-3	Nitrobenzene	38		U
78-59-1	Isophorone	38		U
88-75-5	2-Nitrophenol	38		U
105-67-9	2,4-Dimethylphenol	76		U
111-91-1	bis(2-Chloroethoxy)methane	38		U
120-83-2	2,4-Dichlorophenol	38		U
120-82-1	1,2,4-Trichlorobenzene	1400		
91-20-3	Naphthalene	38		U
106-47-8	4-Chloroaniline	150		U
87-68-3	Hexachlorobutadiene	38		U
59-50-7	4-Chloro-3-methylphenol	2300		
91-57-6	2-Methylnaphthalene	38		U
77-47-4	Hexachlorocyclopentadiene	76		U
88-06-2	2,4,6-Trichlorophenol	38		U
95-95-4	2,4,5-Trichlorophenol	38		U
91-58-7	2-Chloronaphthalene	38		U
88-74-4	2-Nitroaniline	38		U
131-11-3	Dimethylphthalate	38		U
606-20-2	2,6-Dinitrotoluene	38		U

1035

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb071.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
208-96-8	Acenaphthylene	38	U
99-09-2	3-Nitroaniline	76	U
83-32-9	Acenaphthene	1600	
51-28-5	2,4-Dinitrophenol	190	U
100-02-7	4-Nitrophenol	2400	
132-64-9	Dibenzofuran	38	U
121-14-2	2,4-Dinitrotoluene	1600	
84-66-2	Diethylphthalate	38	U
7005-72-3	4-Chlorophenyl-phenylether	38	U
86-73-7	Fluorene	38	U
100-01-6	4-Nitroaniline	76	U
534-52-1	4,6-Dinitro-2-methylphenol	38	U
86-30-6	N-Nitrosodiphenylamine	38	U
101-55-3	4-Bromophenyl-phenylether	38	U
118-74-1	Hexachlorobenzene	38	U
87-86-5	Pentachlorophenol	1600	
85-01-8	Phenanthrene	41	J
120-12-7	Anthracene	38	U
86-74-8	Carbazole	38	U
84-74-2	Di-n-butylphthalate	76	U
206-44-0	Fluoranthene	38	U
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	38	U
91-94-1	3,3'-Dichlorobenzidine	76	U
56-55-3	Benzo(a)anthracene	38	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	U
218-01-9	Chrysene	38	U
117-84-0	Di-n-octylphthalate	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U

1836

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb071.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
50-32-8--------	Benzo(a)pyrene	38	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	38	U
53-70-3--------	Dibenz(a,h)anthracene	38	U
191-24-2-------	Benzo(g,h,i)perylene	38	U

1037

6005-MSD

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb071.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 08:24 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.386(0.005)	848	152.0	90819(6)	40.00	
41) Naphthalene-d8	17.173(0.011)	1231	136.0	334392(8)	40.00	
64) Acenaphthene-d10	22.619(0.008)	1780	164.0	177165(5)	40.00	
87) Phenanthrene-d10	27.169(0.012)	2237	188.0	276661(5)	40.00	
99) Chrysene-d12	34.309(0.006)	2952	240.0	181368(-6)	40.00	
105) Perylene-d12	41.270(0.021)	3654	264.0	126396(-13)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.733(-0.001)	112	442995	127.543	85%		25 - 121
10) Phenol-d5	(1)	12.190(-0.001)	99	537238	141.660	94%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.724(0.000)	132	484258	135.778	90%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.831(0.001)	152	177776	79.019	79%		20 - 130
32) Nitrobenzene-d5	(2)	14.978(0.000)	82	298773	86.090	86%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.464(0.000)	172	540857	86.555	86%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.086(0.000)	330	146313	126.620	84%		19 - 122
94) Terphenyl-d14	(5)	31.293(0.000)	244	495225	114.106	114%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)	12.230(-0.001)	94	501137	128.936	2148.93			2.00
13) bis(2-Chloroethyl)ether	(1)				ND	ND			2.00
15) 2-Chlorophenol	(1)	12.774(0.000)	128	443622	118.470	1974.50			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)	13.436(0.000)	146	255453	64.684	1078.06			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)			Below MDL, Do not report					2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)			Below MDL, Do not report					2.00
28) N-Nitroso-di-n-propylamine	(1)	14.464(0.001)	70	169211	85.902	1431.70			2.00
26) 4-Methylphenol	(1)			Below MDL, Do not report					2.00
30) Hexachloroethane	(1)				ND	ND			2.00
33) Nitrobenzene	(2)			Below MDL, Do not report					2.00
34) Isophorone	(2)			Below MDL, Do not report					2.00
35) 2-Nitrophenol	(2)			Below MDL, Do not report					2.00
36) 2,4-Dimethylphenol	(2)			Below MDL, Do not report					4.00
37) bis(2-Chloroethoxy)methane	(2)			Below MDL, Do not report					2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)	16.975(0.000)	180	245691	74.041	1234.01			2.00
42) Naphthalene	(2)			Below MDL, Do not report					2.00
43) 4-Chloroaniline	(2)			Below MDL, Do not report					8.00

6005-MSD

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb071.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 08:24 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)				ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)	18.758(0.000)	142	303261	123.089	2051.48			2.00
49) 2-Methylnaphthalene	(2)				Below MDL, Do not report				2.00
51) Hexachlorocyclopentadiene	(3)				ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)				Below MDL, Do not report				2.00
53) 2,4,5-Trichlorophenol	(3)				Below MDL, Do not report				2.00
57) 2-Chloronaphthalene	(3)				ND	ND			2.00
58) 2-Nitroaniline	(3)				Below MDL, Do not report				2.00
60) Dimethylphthalate	(3)				Below MDL, Do not report				2.00
61) 2,6-Dinitrotoluene	(3)				Below MDL, Do not report				2.00
62) Acenaphthylene	(3)				Below MDL, Do not report				2.00
63) 3-Nitroaniline	(3)				Below MDL, Do not report				4.00
67) Acenaphthene	(3)	22.728(0.000)	153	436304	86.632	1443.87			2.00
68) 2,4-Dinitrophenol	(3)				ND	ND			10.00
69) 4-Nitrophenol	(3)	22.868(-0.001)	109	174409	128.038	2133.96			2.00
71) Dibenzofuran	(3)				Below MDL, Do not report				2.00
72) 2,4-Dinitrotoluene	(3)	23.156(-0.001)	165	206934	87.317	1455.28			2.00
74) Diethylphthalate	(3)				Below MDL, Do not report				2.00
76) Fluorene	(3)				Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)				Below MDL, Do not report				2.00
78) 4-Nitroaniline	(3)				Below MDL, Do not report				4.00
79) 4,6-Dinitro-2-methylphenol	(4)				Below MDL, Do not report				2.00
80) N-Nitrosodiphenylamine	(4)				Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)				ND	ND			2.00
84) Hexachlorobenzene	(4)				ND	ND			2.00
86) Pentachlorophenol	(4)	26.590(-0.001)	266	111077	82.822	1380.37			10.00
88) Phenanthrene	(4)	27.229(0.000)	178	18196	2.186	36.43			2.00
89) Anthracene	(4)				Below MDL, Do not report				2.00
90) Carbazole	(4)				Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)				Below MDL, Do not report				4.00
92) Fluoranthene	(4)				Below MDL, Do not report				2.00
93) Pyrene	(5)	31.003(0.000)	202	614793	79.602	1326.69			2.00
95) Butylbenzylphthalate	(5)				Below MDL, Do not report				2.00
96) 3,3'-Dichlorobenzidine	(5)				Below MDL, Do not report				4.00
97) Benzo(a)anthracene	(5)				Below MDL, Do not report				2.00
100) Chrysene	(5)				Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)				Below MDL, Do not report				2.00
101) Di-n-octylphthalate	(6)				Below MDL, Do not report				2.00
102) Benzo(b)fluoranthene	(6)				Below MDL, Do not report				2.00
103) Benzo(k)fluoranthene	(6)				Below MDL, Do not report				2.00
104) Benzo(a)pyrene	(6)				Below MDL, Do not report				2.00

6005-MSD

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb071.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 07-FEB-2006 08:24 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 10:11
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

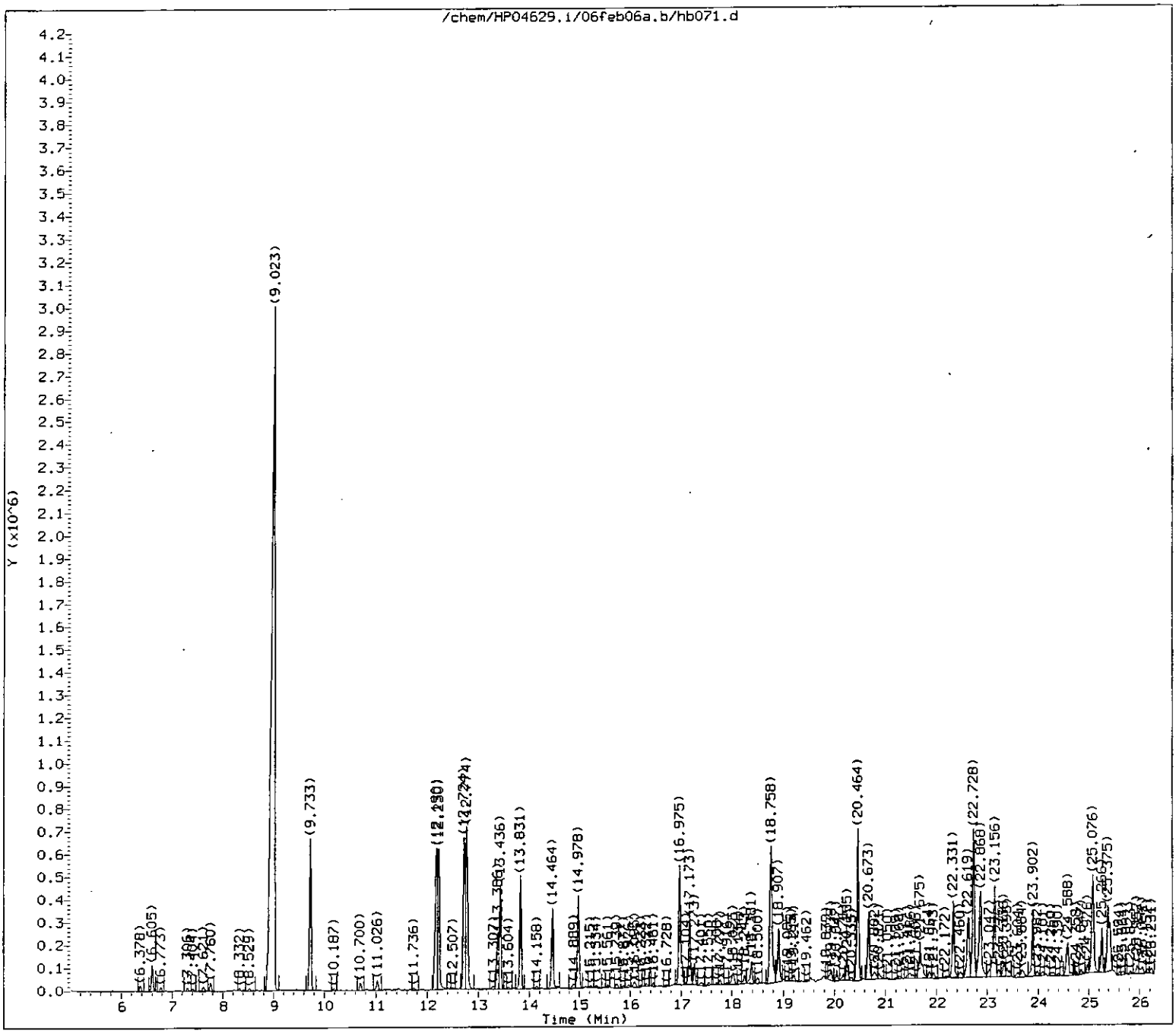
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Date: 2-7-06
Auditor: Date: 2/7/06

1848



Quant Report

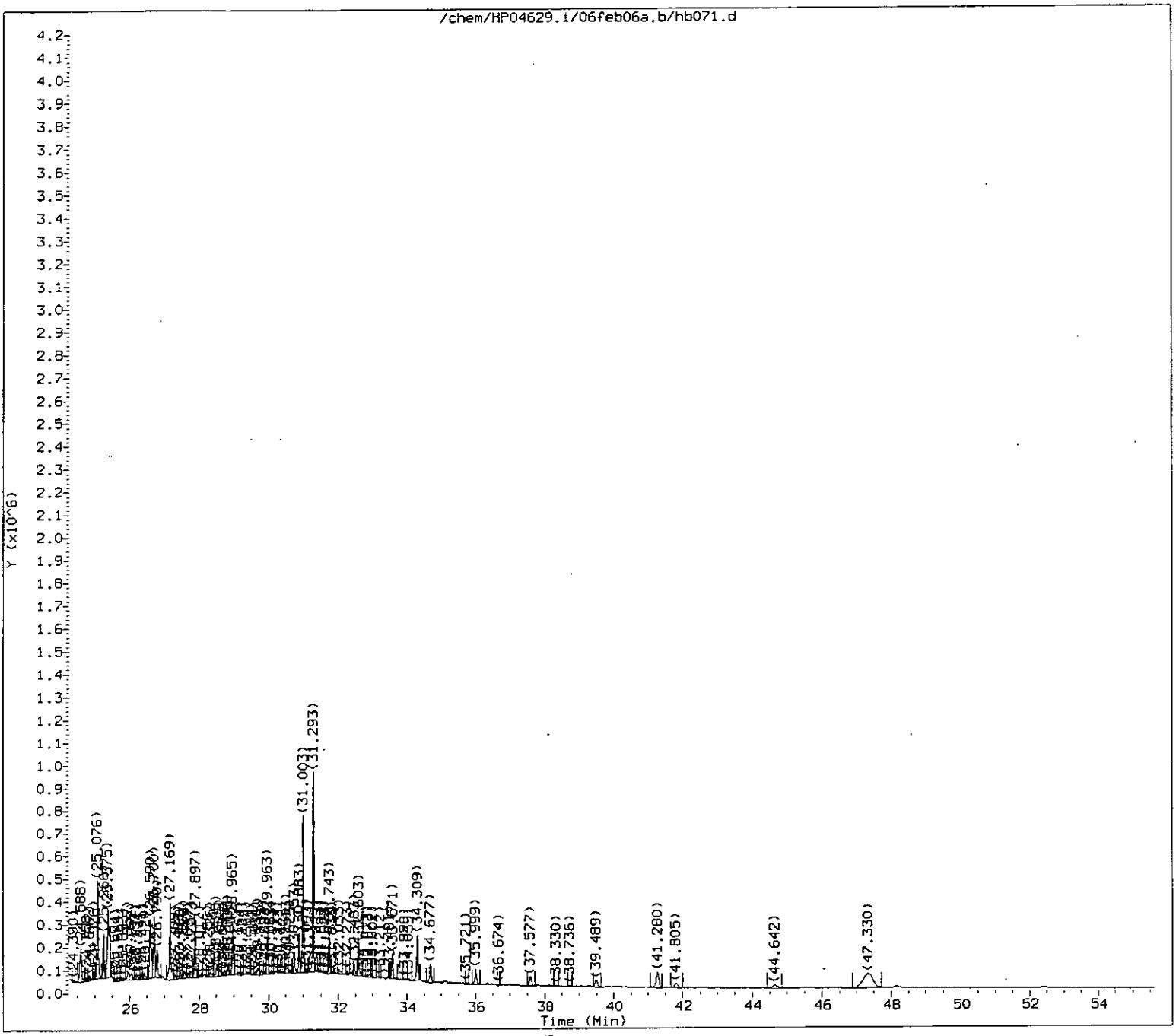
Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb071.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 08:24 Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time: 07-FEB-2006 10:11
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MSD Lab Sample ID: 4692565

JMG/346
2-07-06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb071.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 08:24 Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time: 07-FEB-2006 10:11
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MSD Lab Sample ID: 4692565

JMG 2-07-06

1842

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb071.d Instrument ID: HP04629.i
Injection date and time: 07-FEB-2006 08:24 Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time: 07-FEB-2006 10:11
Date, time and analyst ID of latest file update: 07-Feb-2006 10:25 jmg00346

Sample Name: 6005-MSD Lab Sample ID: 4692565

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
11) Phenol	(1)	12.230	94	501137	128.936
15) 2-Chlorophenol	(1)	12.774	128	443622	118.470
18) 1,4-Dichlorobenzene-d4	(1)	13.386	152	90819	40.000
19) 1,4-Dichlorobenzene	(1)	13.436	146	255453	64.684
28) N-Nitroso-di-n-propylamine	(1)	14.464	70	169211	85.902
40) 1,2,4-Trichlorobenzene	(2)	16.975	180	245691	74.041
41) Naphthalene-d8	(2)	17.173	136	334392	40.000
47) 4-Chloro-3-methylphenol	(2)	18.758	142	303261	123.089
64) Acenaphthene-d10	(3)	22.619	164	177165	40.000
67) Acenaphthene	(3)	22.728	153	436304	86.632
69) 4-Nitrophenol	(3)	22.868	109	174409	128.038
72) 2,4-Dinitrotoluene	(3)	23.156	165	206934	87.317
86) Pentachlorophenol	(4)	26.590	266	111077	82.822
87) Phenanthrene-d10	(4)	27.169	188	276661	40.000
88) Phenanthrene	(4)	27.229	178	18196	2.186
93) Pyrene	(5)	31.003	202	614793	79.602
99) Chrysene-d12	(5)	34.309	240	181368	40.000
105) Perylene-d12	(6)	41.270	264	126396	40.000
4) 2-Fluorophenol	(1)	9.733	112	442995	127.543
10) Phenol-d5	(1)	12.190	99	537238	141.660
14) 2-Chlorophenol-d4	(1)	12.724	132	484258	135.778
21) 1,2-Dichlorobenzene-d4	(1)	13.831	152	177776	79.019
32) Nitrobenzene-d5	(2)	14.978	82	298773	86.090
54) 2-Fluorobiphenyl	(3)	20.464	172	540857	86.555
82) 2,4,6-Tribromophenol	(4)	25.086	330	146313	126.620
94) Terphenyl-d14	(5)	31.293	244	495225	114.106

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

021LBLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 021LBLCS

Sample wt/vol: 30 (g/mL) G Lab File ID: hb058.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
108-95-2	Phenol	2200	
111-44-4	bis(2-Chloroethyl)ether	33	U
95-57-8	2-Chlorophenol	2100	
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	1100	
95-50-1	1,2-Dichlorobenzene	33	U
95-48-7	2-Methylphenol	33	U
108-60-1	2,2'-oxybis(1-Chloropropane)	33	U
106-44-5	4-Methylphenol	33	U
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	33	U
98-95-3	Nitrobenzene	33	U
78-59-1	Isophorone	33	U
88-75-5	2-Nitrophenol	33	U
105-67-9	2,4-Dimethylphenol	67	U
111-91-1	bis(2-Chloroethoxy)methane	33	U
120-83-2	2,4-Dichlorophenol	33	U
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	33	U
106-47-8	4-Chloroaniline	130	U
87-68-3	Hexachlorobutadiene	33	U
59-50-7	4-Chloro-3-methylphenol	2200	
91-57-6	2-Methylnaphthalene	33	U
77-47-4	Hexachlorocyclopentadiene	67	U
88-06-2	2,4,6-Trichlorophenol	33	U
95-95-4	2,4,5-Trichlorophenol	33	U
91-58-7	2-Chloronaphthalene	33	U
88-74-4	2-Nitroaniline	33	U
131-11-3	Dimethylphthalate	33	U
606-20-2	2,6-Dinitrotoluene	33	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

021LBLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 021LBLCS

Sample wt/vol: 30 (g/mL) G Lab File ID: hb058.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
208-96-8	Acenaphthylene	33	U
99-09-2	3-Nitroaniline	67	U
83-32-9	Acenaphthene	1400	
51-28-5	2,4-Dinitrophenol	170	U
100-02-7	4-Nitrophenol	2200	
132-64-9	Dibenzofuran	33	U
121-14-2	2,4-Dinitrotoluene	1400	
84-66-2	Diethylphthalate	33	U
7005-72-3	4-Chlorophenyl-phenylether	33	U
86-73-7	Fluorene	33	U
100-01-6	4-Nitroaniline	67	U
534-52-1	4,6-Dinitro-2-methylphenol	33	U
86-30-6	N-Nitrosodiphenylamine	33	U
101-55-3	4-Bromophenyl-phenylether	33	U
118-74-1	Hexachlorobenzene	33	U
87-86-5	Pentachlorophenol	1700	
85-01-8	Phenanthrene	33	U
120-12-7	Anthracene	33	U
86-74-8	Carbazole	33	U
84-74-2	Di-n-butylphthalate	67	U
206-44-0	Fluoranthene	33	U
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	33	U
91-94-1	3,3'-Dichlorobenzidine	67	U
56-55-3	Benzo(a)anthracene	33	U
117-81-7	bis(2-Ethylhexyl)phthalate	33	U
218-01-9	Chrysene	33	U
117-84-0	Di-n-octylphthalate	33	U
205-99-2	Benzo(b)fluoranthene	33	U
207-08-9	Benzo(k)fluoranthene	33	U

1045

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

021LBLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 021LBLCS

Sample wt/vol: 30 (g/mL) G Lab File ID: hb058.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/KG	Q
50-32-8--------	Benzo(a)pyrene	33	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	33	U
53-70-3--------	Dibenz(a,h)anthracene	33	U
191-24-2-------	Benzo(g,h,i)perylene	33	U

1846

021LBLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

021LBLCS

Data file: /chem/HP04629.i/06feb06.b/hb058.d
Blank Data file reference: **/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 06-FEB-2006 20:30
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.392(0.000)	849	152.0	66728(-24)	40.00	
41) Naphthalene-d8	17.180(0.005)	1233	136.0	248895(-21)	40.00	
64) Acenaphthene-d10	22.625(0.012)	1785	164.0	131485(-17)	40.00	
87) Phenanthrene-d10	27.174(0.007)	2246	188.0	210998(-15)	40.00	
99) Chrysene-d12	34.303(0.021)	2969	240.0	163301(-12)	40.00	
105) Perylene-d12	41.284(0.014)	3677	264.0	116963(-22)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.732(-0.001)	112	334475	133.769	89%		25 - 121
10) Phenol-d5	(1)	12.188(0.000)	99	405740	146.811	98%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.731(0.000)	132	369496	143.739	96%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.836(0.001)	152	138374	82.960	83%		20 - 130
32) Nitrobenzene-d5	(2)	14.981(0.000)	82	227687	91.631	92%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.474(-0.001)	172	417994	90.028	90%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.082(0.000)	330	118115	133.929	89%		19 - 122
94) Terphenyl-d14	(5)	31.295(-0.001)	244	397413	99.359	99%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)	12.227(0.000)	94	378650	129.076	2151.27			2.00
13) bis(2-Chloroethyl)ether	(1)			Below MDL, Do not report					2.00
15) 2-Chlorophenol	(1)	12.780(0.000)	128	346596	126.707	2111.78			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)	13.442(0.001)	146	196702	67.349	1122.48			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)			Below MDL, Do not report					2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				ND	ND			2.00
28) N-Nitroso-di-n-propylamine	(1)	14.468(0.002)	70	111337	79.567	1326.11			2.00
26) 4-Methylphenol	(1)			Below MDL, Do not report					2.00
30) Hexachloroethane	(1)			Below MDL, Do not report					2.00
33) Nitrobenzene	(2)			Below MDL, Do not report					2.00
34) Isophorone	(2)				ND	ND			2.00
35) 2-Nitrophenol	(2)				ND	ND			2.00
36) 2,4-Dimethylphenol	(2)			Below MDL, Do not report					4.00
37) bis(2-Chloroethoxy)methane	(2)				ND	ND			2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)	16.983(0.000)	180	187987	76.358	1272.64			2.00
42) Naphthalene	(2)				ND	ND			2.00
43) 4-Chloroaniline	(2)				ND	ND			8.00

1847

021LBLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

021LBLCS

Data file: /chem/HP04629.i/06feb06.b/hb058.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 20:30
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)	18.758	(0.001)	142	230707	131.643	2194.05			2.00
49) 2-Methylnaphthalene	(2)					Below MDL, Do not report				2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)					ND	ND			2.00
60) Dimethylphthalate	(3)					ND	ND			2.00
61) 2,6-Dinitrotoluene	(3)					ND	ND			2.00
62) Acenaphthylene	(3)					ND	ND			2.00
63) 3-Nitroaniline	(3)					ND	ND			4.00
67) Acenaphthene	(3)	22.733	(0.000)	153	329468	85.265	1421.09			2.00
68) 2,4-Dinitrophenol	(3)					ND	ND			10.00
69) 4-Nitrophenol	(3)	22.862	(-0.001)	109	136033	133.659	2227.65			2.00
71) Dibenzofuran	(3)					Below MDL, Do not report				2.00
72) 2,4-Dinitrotoluene	(3)	23.159	(0.000)	165	156335	85.794	1429.90			2.00
74) Diethylphthalate	(3)					Below MDL, Do not report				2.00
76) Fluorene	(3)					Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					ND	ND			2.00
78) 4-Nitroaniline	(3)					ND	ND			4.00
79) 4,6-Dinitro-2-methylphenol	(4)					ND	ND			2.00
80) N-Nitrosodiphenylamine	(4)					Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ND	ND			2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)	26.581	(0.000)	266	104617	100.079	1667.99			10.00
88) Phenanthrene	(4)					ND	ND			2.00
89) Anthracene	(4)					ND	ND			2.00
90) Carbazole	(4)					Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)					Below MDL, Do not report				4.00
92) Fluoranthene	(4)					ND	ND			2.00
93) Pyrene	(5)	30.999	(-0.001)	202	513901	73.672	1227.87			2.00
95) Butylbenzylphthalate	(5)					ND	ND			2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			4.00
97) Benzo(a)anthracene	(5)					ND	ND			2.00
100) Chrysene	(5)					ND	ND			2.00
98) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report				2.00
101) Di-n-octylphthalate	(6)					ND	ND			2.00
102) Benzo(b)fluoranthene	(6)					ND	ND			2.00
103) Benzo(k)fluoranthene	(6)					ND	ND			2.00
104) Benzo(a)pyrene	(6)					ND	ND			2.00

1848

021LBLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

021LBLCS

Data file: /chem/HP04629.i/06feb06.b/hb058.d
Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 20:30
Instrument ID: HP04629.i
Batch: 06021SLB
Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 19:20
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06.b/hb055.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws)
Matrix: SOIL
GPC Cleanup: Yes

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g
Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

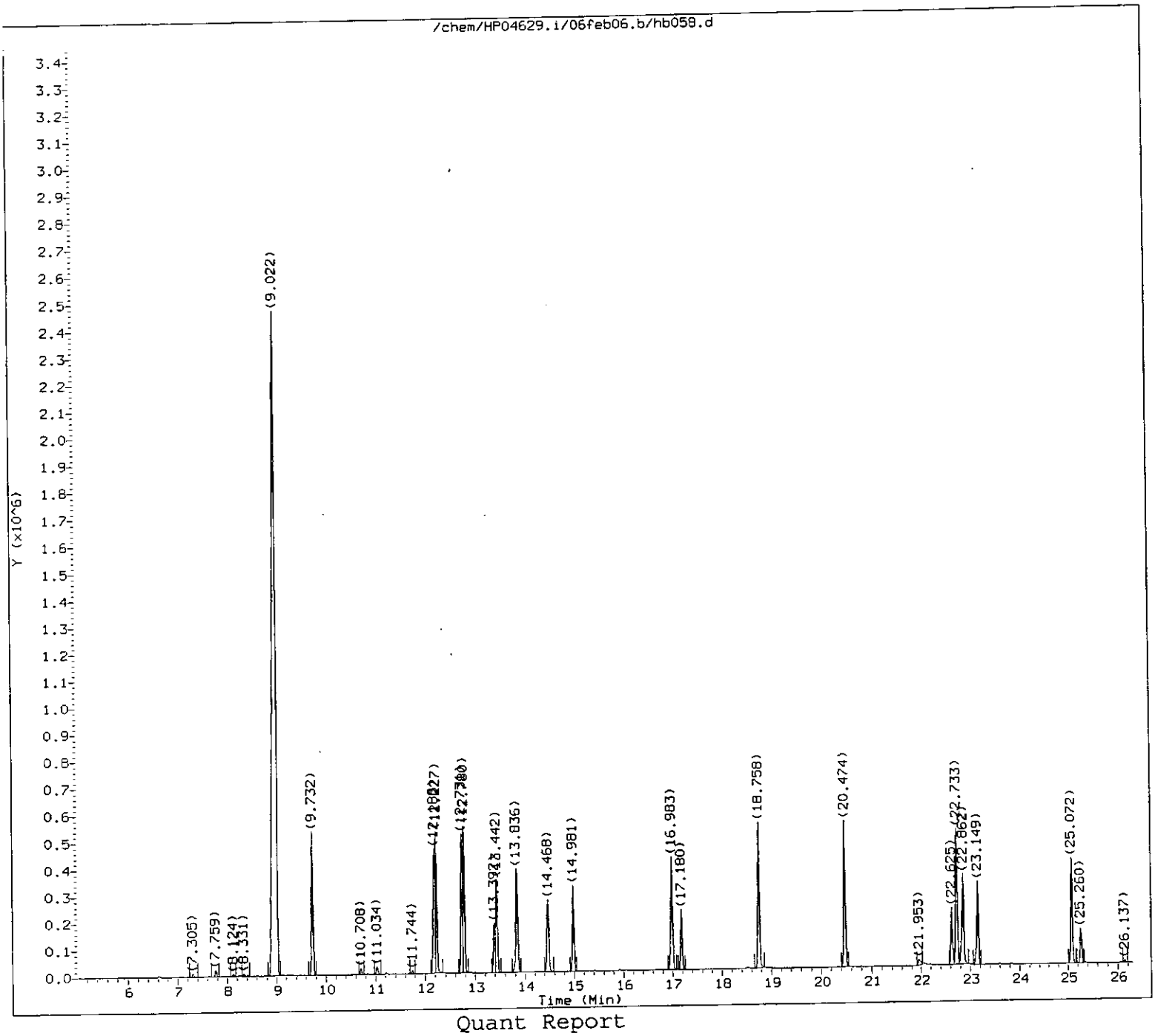
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: J Hattenstine 980
Date: 02/06/06
Auditor: LMH 912
Date: 2/7/06

1849



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb058.d
Injection date and time: 06-FEB-2006 20:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

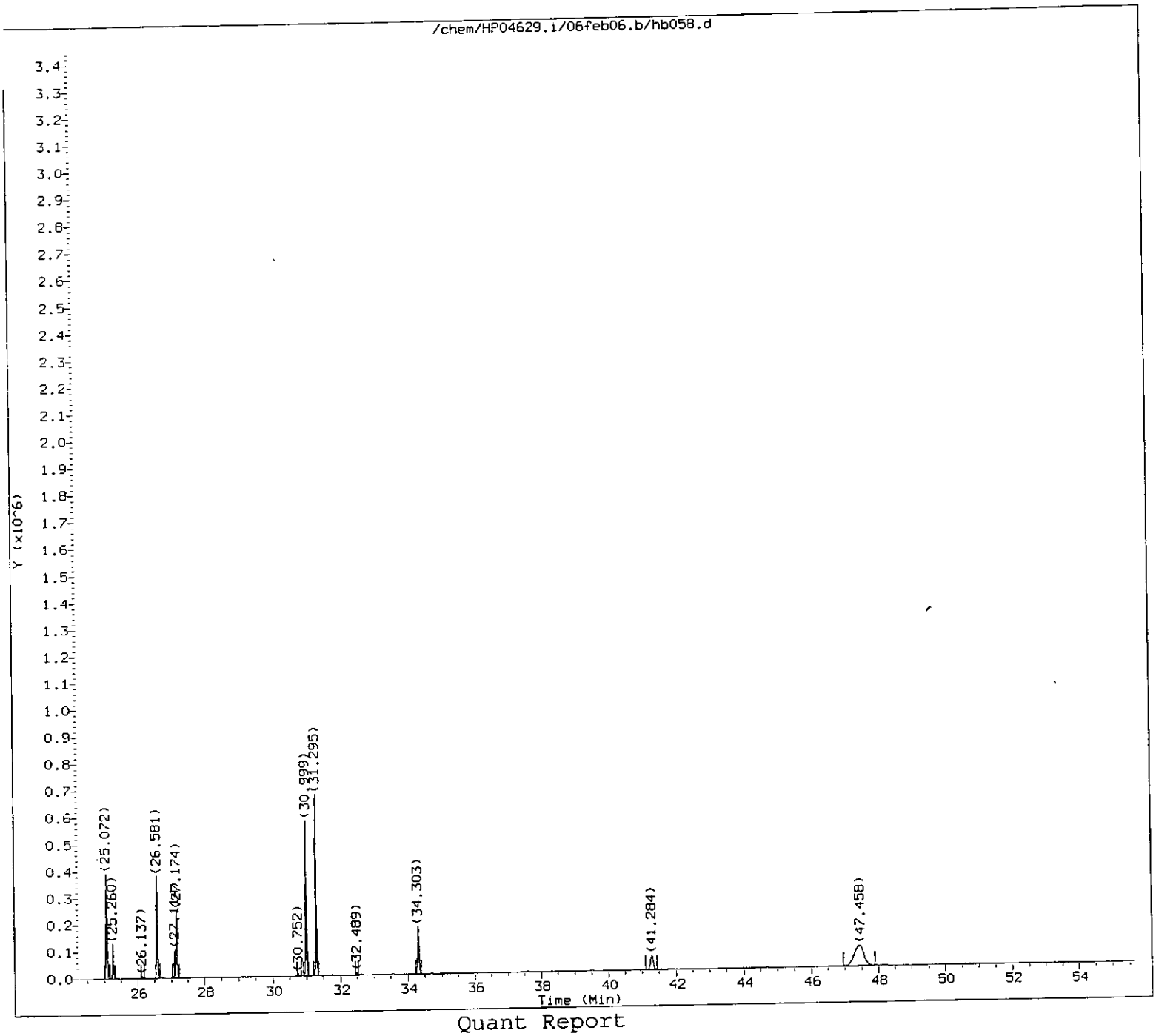
Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Sample Name: 021LBLCS8

Lab Sample ID: 021LBLCS

1058

lmh 06 06 06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb058.d
Injection date and time: 06-FEB-2006 20:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Sample Name: 021LBLCS8

Lab Sample ID: 021LBLCS

1851

Lmh 19 30 106/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06.b/hb058.d
Injection date and time: 06-FEB-2006 20:30

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06.b/clp.m
Calibration date and time: 06-FEB-2006 19:20

Sublist used: SCLP

Date, time and analyst ID of latest file update: 06-Feb-2006 21:32 lmh00956

Sample Name: 021LBLCS8

Lab Sample ID: 021LBLCS

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
11) Phenol	(1)	12.227	94	378650	129.076
15) 2-Chlorophenol	(1)	12.780	128	346596	126.707
18) 1,4-Dichlorobenzene-d4	(1)	13.392	152	66728	40.000
19) 1,4-Dichlorobenzene	(1)	13.442	146	196702	67.349
28) N-Nitroso-di-n-propylamine	(1)	14.468	70	111337	79.567
40) 1,2,4-Trichlorobenzene	(2)	16.983	180	187987	76.358
41) Naphthalene-d8	(2)	17.180	136	248895	40.000
47) 4-Chloro-3-methylphenol	(2)	18.758	142	230707	131.643
64) Acenaphthene-d10	(3)	22.625	164	131485	40.000
67) Acenaphthene	(3)	22.733	153	329468	85.265
69) 4-Nitrophenol	(3)	22.862	109	136033	133.659
72) 2,4-Dinitrotoluene	(3)	23.159	165	156335	85.794
86) Pentachlorophenol	(4)	26.581	266	104617	100.079
87) Phenanthrene-d10	(4)	27.174	188	210998	40.000
93) Pyrene	(5)	30.999	202	513901	73.672
99) Chrysene-d12	(5)	34.303	240	163301	40.000
105) Perylene-d12	(6)	41.284	264	116963	40.000
4) 2-Fluorophenol	(1)	9.732	112	334475	133.769
10) Phenol-d5	(1)	12.188	99	405740	146.811
14) 2-Chlorophenol-d4	(1)	12.731	132	369496	143.739
21) 1,2-Dichlorobenzene-d4	(1)	13.836	152	138374	82.960
32) Nitrobenzene-d5	(2)	14.981	82	227687	91.631
54) 2-Fluorobiphenyl	(3)	20.474	172	417994	90.028
82) 2,4,6-Tribromophenol	(4)	25.082	330	118115	133.929
94) Terphenyl-d14	(5)	31.295	244	397413	99.359

M = Compound was manually integrated.

A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

025WCLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 025WCLCS

Sample wt/vol: 1000 (g/mL)ML Lab File ID: hb078.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
108-95-2	Phenol	69	
111-44-4	bis(2-Chloroethyl)ether	1	U
95-57-8	2-Chlorophenol	70	
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	38	
95-50-1	1,2-Dichlorobenzene	1	U
95-48-7	2-Methylphenol	1	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1	U
106-44-5	4-Methylphenol	1	U
621-64-7	N-Nitroso-di-n-propylamine	43	
67-72-1	Hexachloroethane	1	U
98-95-3	Nitrobenzene	1	U
78-59-1	Isophorone	1	U
88-75-5	2-Nitrophenol	1	U
105-67-9	2,4-Dimethylphenol	1	U
111-91-1	bis(2-Chloroethoxy)methane	1	U
120-83-2	2,4-Dichlorophenol	1	U
120-82-1	1,2,4-Trichlorobenzene	42	
91-20-3	Naphthalene	1	U
106-47-8	4-Chloroaniline	2	U
87-68-3	Hexachlorobutadiene	1	U
59-50-7	4-Chloro-3-methylphenol	70	
91-57-6	2-Methylnaphthalene	1	U
77-47-4	Hexachlorocyclopentadiene	1	U
88-06-2	2,4,6-Trichlorophenol	1	U
95-95-4	2,4,5-Trichlorophenol	1	U
91-58-7	2-Chloronaphthalene	1	U
88-74-4	2-Nitroaniline	1	U
131-11-3	Dimethylphthalate	1	U
606-20-2	2,6-Dinitrotoluene	1	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

025WCLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 025WCLCS

Sample wt/vol: 1000 (g/mL)ML Lab File ID: hb078.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
208-96-8-------	Acenaphthylene	1	U
99-09-2--------	3-Nitroaniline	1	U
83-32-9--------	Acenaphthene	48	
51-28-5--------	2,4-Dinitrophenol	5	U
100-02-7-------	4-Nitrophenol	72	
132-64-9-------	Dibenzofuran	1	U
121-14-2-------	2,4-Dinitrotoluene	48	
84-66-2--------	Diethylphthalate	1	U
7005-72-3------	4-Chlorophenyl-phenylether	1	U
86-73-7--------	Fluorene	1	U
100-01-6-------	4-Nitroaniline	1	U
534-52-1-------	4,6-Dinitro-2-methylphenol	1	U
86-30-6--------	N-Nitrosodiphenylamine	1	U
101-55-3-------	4-Bromophenyl-phenylether	1	U
118-74-1-------	Hexachlorobenzene	1	U
87-86-5--------	Pentachlorophenol	72	
85-01-8--------	Phenanthrene	1	U
120-12-7-------	Anthracene	1	U
86-74-8--------	Carbazole	1	U
84-74-2--------	Di-n-butylphthalate	1	U
206-44-0-------	Fluoranthene	1	U
129-00-0-------	Pyrene	39	
85-68-7--------	Butylbenzylphthalate	1	U
91-94-1--------	3,3'-Dichlorobenzidine	1	U
56-55-3--------	Benzo(a)anthracene	1	U
117-81-7-------	bis(2-Ethylhexyl)phthalate	2	U
218-01-9-------	Chrysene	1	U
117-84-0-------	Di-n-octylphthalate	1	U
205-99-2-------	Benzo(b)fluoranthene	1	U
207-08-9-------	Benzo(k)fluoranthene	1	U

1854

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

025WCLCS8

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 025WCLCS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: hb078.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 01/26/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/07/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Cont

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MDL UG/L	Q
50-32-8--------	Benzo(a)pyrene	1	U
193-39-5-------	Indeno(1,2,3-cd)pyrene	1	U
53-70-3--------	Dibenz(a,h)anthracene	1	U
191-24-2-------	Benzo(g,h,i)perylene	1	U

1055

025WCLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

025WCLCS

Data file: /chem/HP04629.i/06feb07.b/hb078.d
Blank Data file reference:/chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 22:12
Instrument ID: HP04629.i
Batch: 06025WAC
Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Sublist used: WCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi)
Matrix: WATER
GPC Cleanup: No

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml
Final Extract Volume (Vt): 1000 ul

Internal Standards	RT	(+/-RT)	Scan	QIon	Area	(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.304	(0.009)	840	152.0	99563	(18)	40.00	
41) Naphthalene-d8	17.093	(0.004)	1224	136.0	368106	(19)	40.00	
64) Acenaphthene-d10	22.538	(0.001)	1776	164.0	193172	(19)	40.00	
87) Phenanthrene-d10	27.097	(-0.003)	2238	188.0	323900	(18)	40.00	
99) Chrysene-d12	34.208	(0.011)	2959	240.0	288465	(19)	40.00	
105) Perylene-d12	41.100	(0.005)	3658	264.0	231013	(4)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.653	(-0.001)	112	547999	142.626	95%		21 - 110
10) Phenol-d5	(1)	12.119	(-0.001)	99	643245	147.909	99%		10 - 110
14) 2-Chlorophenol-d4	(1)	12.653	(-0.001)	132	582442	150.360	100%		33 - 110
21) 1,2-Dichlorobenzene-d4	(1)	13.759	(-0.001)	152	208605	82.403	82%		16 - 110
32) Nitrobenzene-d5	(2)	14.903	(0.000)	82	369534	94.366	94%		35 - 114
54) 2-Fluorobiphenyl	(3)	20.388	(0.000)	172	633938	92.607	93%		43 - 116
82) 2,4,6-Tribromophenol	(4)	24.995	(0.000)	330	205034	178.114	119%		10 - 123
94) Terphenyl-d14	(5)	31.230	(-0.001)	244	632371	98.055	98%		33 - 141

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)	12.159	(-0.001)	94	611060	137.622	68.81			2.00
13) bis(2-Chloroethyl)ether	(1)					ND	ND			2.00
15) 2-Chlorophenol	(1)	12.702	(-0.001)	128	562588	139.111	69.56			2.00
17) 1,3-Dichlorobenzene	(1)					ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)	13.364	(-0.001)	146	333323	75.695	37.85			2.00
22) 1,2-Dichlorobenzene	(1)				Below MDL, Do not report					2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report					2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				Below MDL, Do not report					2.00
28) N-Nitroso-di-n-propylamine	(1)	14.400	(0.000)	70	196344	86.435	43.22			2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report					2.00
30) Hexachloroethane	(1)					ND	ND			2.00
33) Nitrobenzene	(2)				Below MDL, Do not report					2.00
34) Isophorone	(2)				Below MDL, Do not report					2.00
35) 2-Nitrophenol	(2)					ND	ND			2.00
36) 2,4-Dimethylphenol	(2)					ND	ND			2.00
37) bis(2-Chloroethoxy)methane	(2)					ND	ND			2.00
39) 2,4-Dichlorophenol	(2)					ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)	16.895	(0.000)	180	294160	83.826	41.91			2.00
42) Naphthalene	(2)					ND	ND			2.00
43) 4-Chloroaniline	(2)					ND	ND			4.00

1856

025WCLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

025WCLCS

Data file: /chem/HP04629.i/06feb07.b/hb078.d
Blank Data file reference:/chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 22:12
Instrument ID: HP04629.i
Batch: 06025WAC
Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Sublist used: **WCLP**
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi)
Matrix: WATER
GPC Cleanup: No

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml
Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)	18.681	(0.001)	142	364917	139.184	69.59			2.00
49) 2-Methylnaphthalene	(2)					Below MDL, Do not report				2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			2.00
52) 2,4,6-Trichlorophenol	(3)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)					Below MDL, Do not report				2.00
60) Dimethylphthalate	(3)					ND	ND			2.00
61) 2,6-Dinitrotoluene	(3)					ND	ND			2.00
62) Acenaphthylene	(3)					Below MDL, Do not report				2.00
63) 3-Nitroaniline	(3)					Below MDL, Do not report				2.00
67) Acenaphthene	(3)	22.647	(0.000)	153	539316	96.587	48.29			10.00
68) 2,4-Dinitrophenol	(3)					ND	ND			2.00
69) 4-Nitrophenol	(3)	22.795	(-0.001)	109	239760	143.773	71.89			2.00
71) Dibenzofuran	(3)					Below MDL, Do not report				2.00
72) 2,4-Dinitrotoluene	(3)	23.082	(0.000)	165	265390	97.032	48.52			2.00
74) Diethylphthalate	(3)					Below MDL, Do not report				2.00
76) Fluorene	(3)					Below MDL, Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)					ND	ND			2.00
78) 4-Nitroaniline	(3)					ND	ND			2.00
79) 4,6-Dinitro-2-methylphenol	(3)					Below MDL, Do not report				2.00
80) N-Nitrosodiphenylamine	(4)					Below MDL, Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ND	ND			2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)	26.505	(0.000)	266	222008	144.642	72.32			10.00
88) Phenanthrene	(4)					ND	ND			2.00
89) Anthracene	(4)					ND	ND			2.00
90) Carbazole	(4)					Below MDL, Do not report				2.00
91) Di-n-butylphthalate	(4)					Below MDL, Do not report				2.00
92) Fluoranthene	(4)					ND	ND			2.00
93) Pyrene	(5)	30.933	(-0.001)	202	872545	78.273	39.14			2.00
95) Butylbenzylphthalate	(5)					ND	ND			2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			2.00
97) Benzo(a)anthracene	(5)					Below MDL, Do not report				2.00
100) Chrysene	(5)					Below MDL, Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report				4.00
101) Di-n-octylphthalate	(6)					ND	ND			2.00
102) Benzo(b)fluoranthene	(6)					ND	ND			2.00
103) Benzo(k)fluoranthene	(6)					ND	ND			2.00
104) Benzo(a)pyrene	(6)					ND	ND			2.00

1857

025WCLCS8

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

025WCLCS

Data file: /chem/HP04629.i/06feb07.b/hb078.d
Blank Data file reference: /chem/HP04629.i/06feb07.b/hb077.d
Injection date and time: 07-FEB-2006 22:12
Instrument ID: HP04629.i
Batch: 06025WAC
Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Sublist used: WCLP
Calibration date and time (Last Method Edit): 07-FEB-2006 21:38
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb07.b/hb076.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi)
Matrix: WATER
GPC Cleanup: No

Dilution Factor (DF): 1
Unit Correction Factor (Uf): 1
Volume Injected (Vi): 2 ul
Sample Volume (Vo): 1000.0 ml
Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

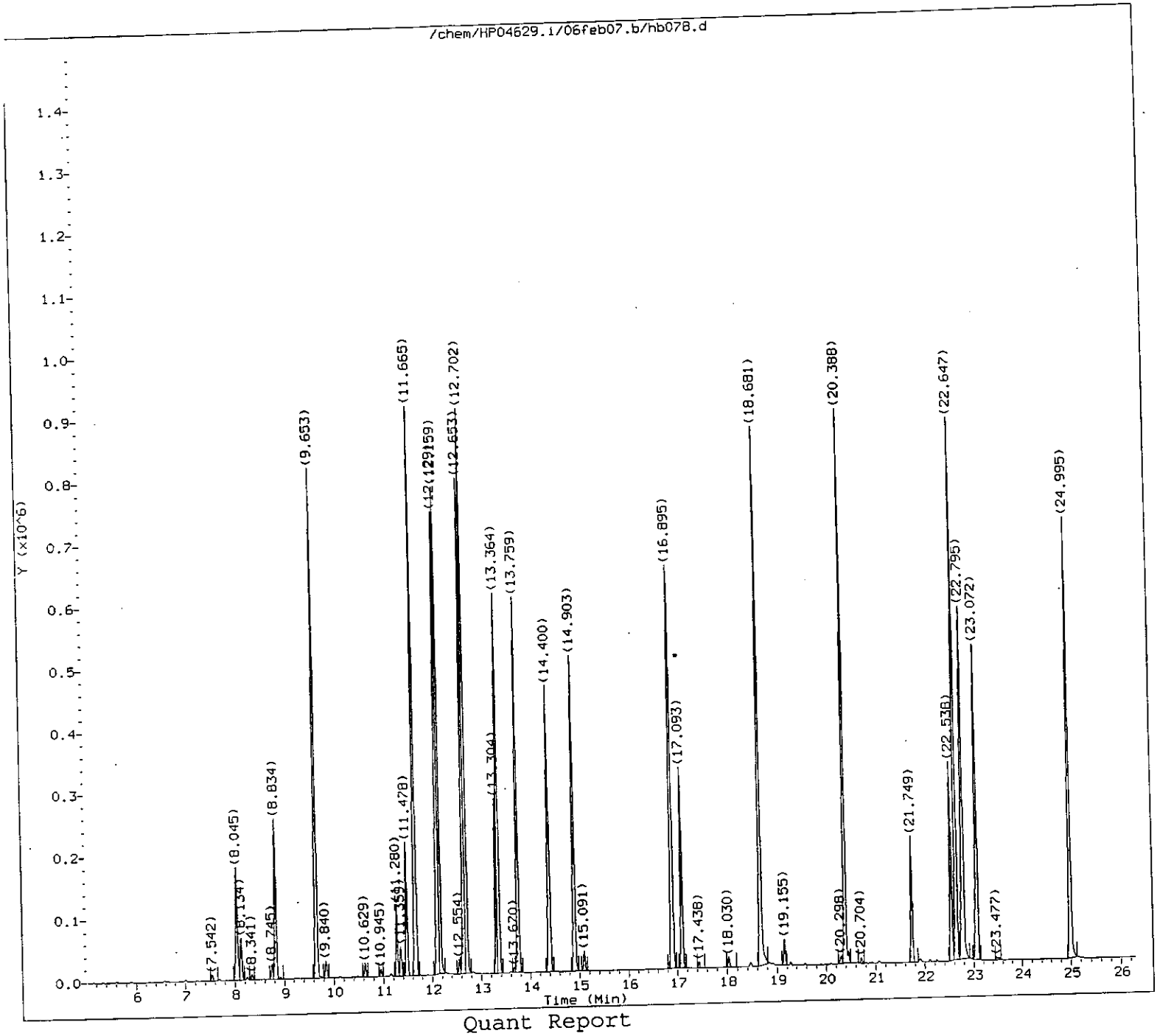
E = CONC. OUT OF CAL. RANGE
# = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: J Haverstine/98 Date: 02/08/06
Auditor: MN2/412 Date: 2/9/06

1858



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb078.d
Injection date and time: 07-FEB-2006 22:12

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

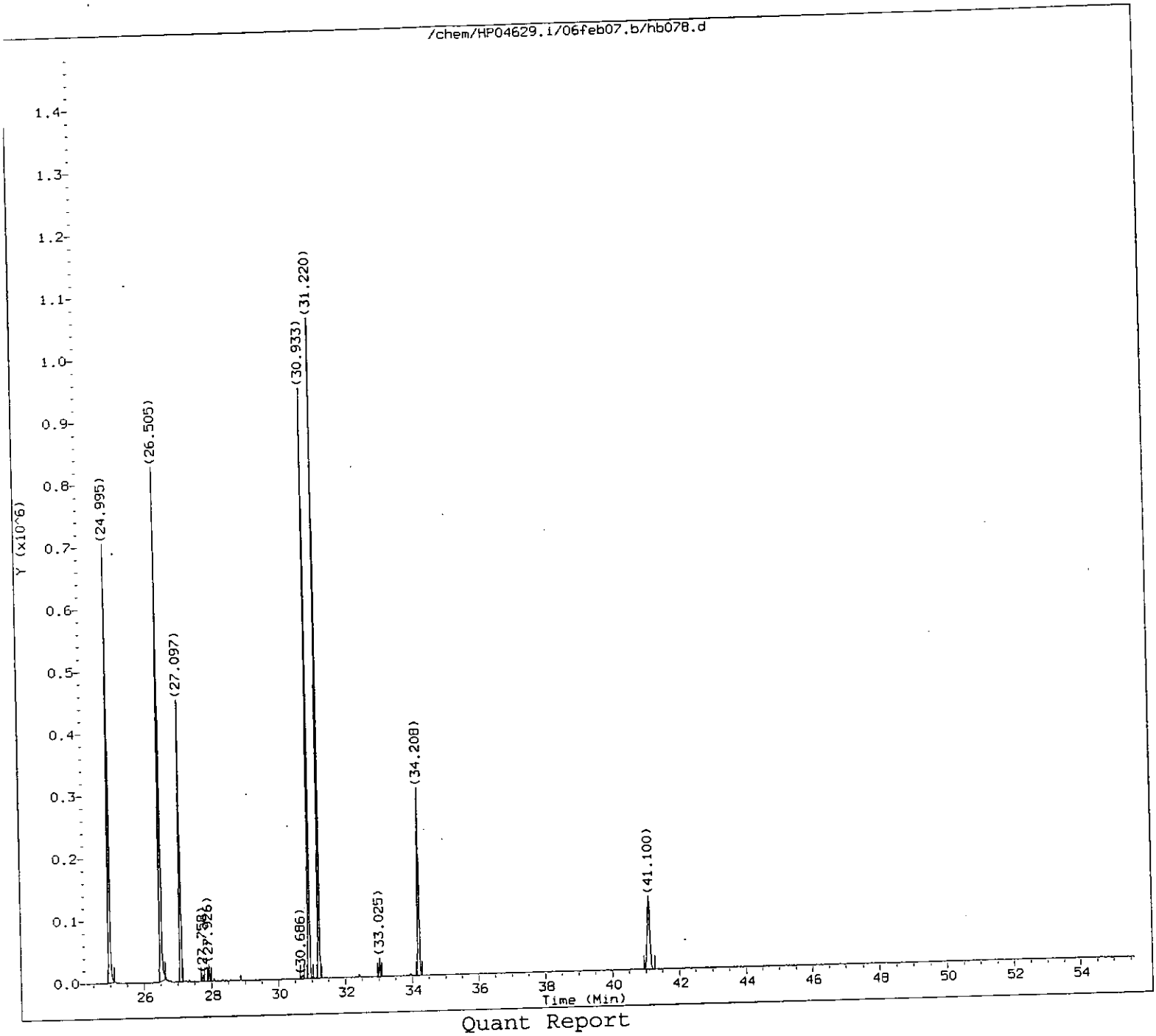
Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Sample Name: 025WCLCS8

Lab Sample ID: 025WCLCS

1059

LMH 2/8/06 1001006



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb078.d
Injection date and time: 07-FEB-2006 22:12

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Sample Name: 025WCLCS8

Lab Sample ID: 025WCLCS

1668

MM198
02/00/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb07.b/hb078.d
Injection date and time: 07-FEB-2006 22:12

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb07.b/clp.m
Calibration date and time: 07-FEB-2006 21:38

Sublist used: WCLP

Date, time and analyst ID of latest file update: 08-Feb-2006 01:17 lmh00956

Sample Name: 025WCLCS8

Lab Sample ID: 025WCLCS

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
11) Phenol	(1)	12.159	94	611060	137.622
15) 2-Chlorophenol	(1)	12.702	128	562588	139.111
18) 1,4-Dichlorobenzene-d4	(1)	13.304	152	99563	40.000
19) 1,4-Dichlorobenzene	(1)	13.364	146	333323	75.695
28) N-Nitroso-di-n-propylamine	(1)	14.400	70	196344	86.435
40) 1,2,4-Trichlorobenzene	(2)	16.895	180	294160	83.826
41) Naphthalene-d8	(2)	17.093	136	368106	40.000
47) 4-Chloro-3-methylphenol	(2)	18.681	142	364917	139.184
64) Acenaphthene-d10	(3)	22.538	164	193172	40.000
67) Acenaphthene	(3)	22.647	153	539316	96.587
69) 4-Nitrophenol	(3)	22.795	109	239760	143.773
72) 2,4-Dinitrotoluene	(3)	23.082	165	265390	97.032
86) Pentachlorophenol	(4)	26.505	266	222008	144.642
87) Phenanthrene-d10	(4)	27.097	188	323900	40.000
93) Pyrene	(5)	30.933	202	872545	78.273
99) Chrysene-d12	(5)	34.208	240	288465	40.000
105) Perylene-d12	(6)	41.100	264	231013	40.000
4) 2-Fluorophenol	(1)	9.653	112	547999	142.626
10) Phenol-d5	(1)	12.119	99	643245	147.909
14) 2-Chlorophenol-d4	(1)	12.653	132	582442	150.360
21) 1,2-Dichlorobenzene-d4	(1)	13.759	152	208605	82.403
32) Nitrobenzene-d5	(2)	14.903	82	369534	94.366
54) 2-Fluorobiphenyl	(3)	20.388	172	633938	92.607
82) 2,4,6-Tribromophenol	(4)	24.995	330	205034	178.114
94) Terphenyl-d14	(5)	31.230	244	632371	98.055

M = Compound was manually integrated.

A = User selected an alternate hit