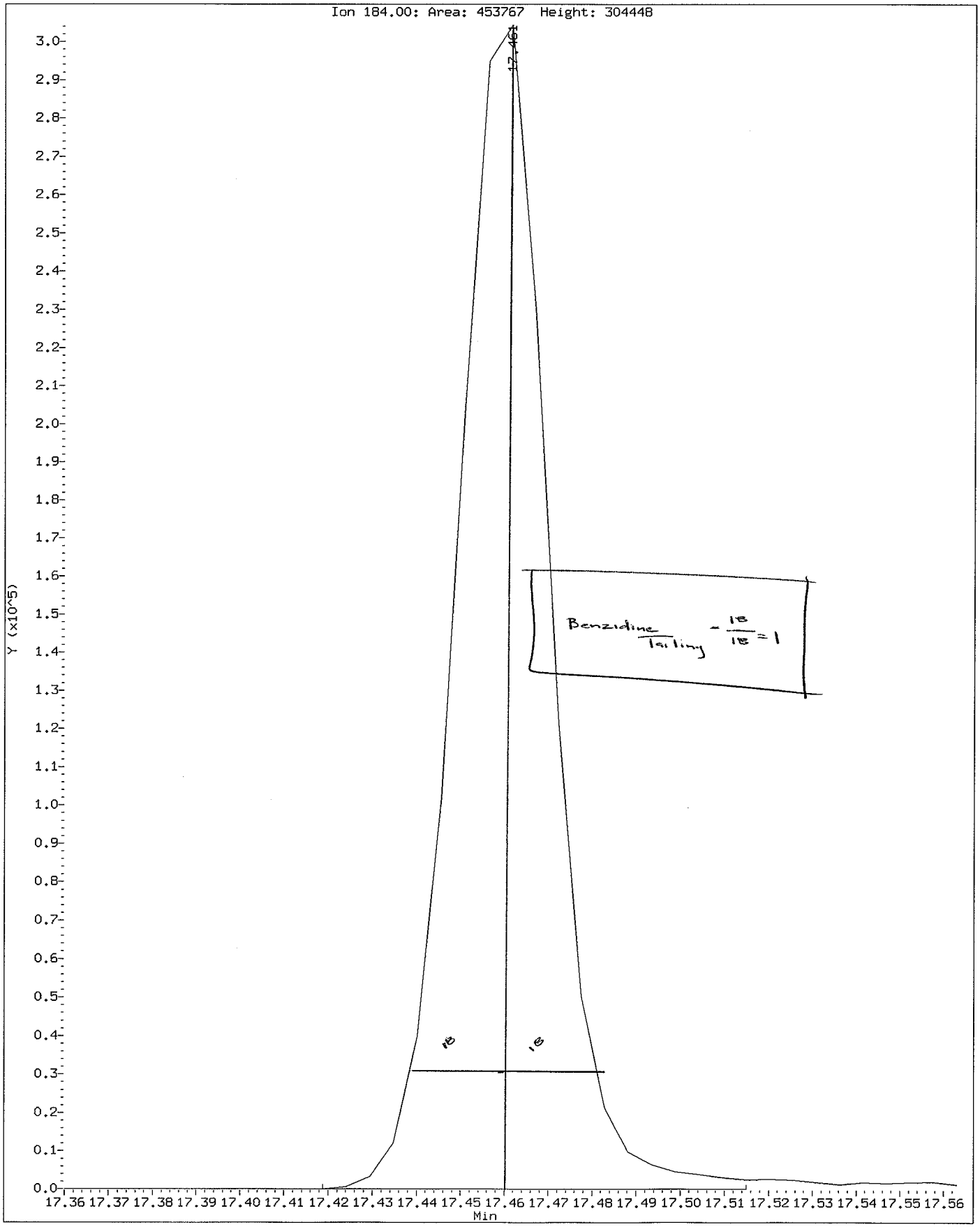
Data File: /chem1/nt6.i/20071018.b/ddt.b/cc1018.d
Injection Date: 18-OCT-2007 10:07
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Instrument ID: NT6 Cont. Calib. Date: 10/19/07

Init. Calib. Date: 09/29/07 Cont. Calib. Time: 0925

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.333	2.043	0.100	12.4	20.0
Bis(2-Chloroethyl)ether	1.577	1.580	0.100	-0.2	
2-Chlorophenol	1.404	1.351	0.100	3.8	
1,3-Dichlorobenzene	1.560	1.481	0.100	5.1	
1,4-Dichlorobenzene	1.608	1.534	0.100	4.6	20.0
1,2-Dichlorobenzene	1.513	1.444	0.100	4.6	
Benzyl alcohol	0.912	1.057	0.100	-15.9	
2,2'-oxybis(1-Chloropropane)	1.455	1.570	0.100	-7.9	
2-Methylphenol	1.341	1.406	0.100	-4.8	
Hexachloroethane	0.710	0.650	0.100	8.4	
N-Nitroso-di-n-propylamine	1.406	1.357	0.050	3.5	
4-Methylphenol	1.405	1.506	0.100	-7.2	
Nitrobenzene	0.690	0.610	0.100	11.6	
Isophorone	1.016	0.957	0.100	5.8	
2-Nitrophenol	0.231	0.222	0.100	3.9	20.0
2,4-Dimethylphenol	0.527	0.492	0.100	6.6	
Bis(2-Chloroethoxy)methane	0.563	0.541	0.100	3.9	
2,4-Dichlorophenol	0.349	0.347	0.100	0.6	20.0
1,2,4-Trichlorobenzene	0.426	0.384	0.100	9.8	
Naphthalene	1.233	1.155	0.100	6.3	
Benzoic acid	0.360	0.354	0.100	1.7	
4-Chloroaniline	0.477	0.460	0.100	3.6	
Hexachlorobutadiene	0.284	0.246	0.100	13.4	20.0
4-Chloro-3-methylphenol	0.408	0.399	0.100	2.2	20.0
2-Methylnaphthalene	0.620	0.593	0.100	4.4	
Hexachlorocyclopentadiene	0.444	0.374	0.050	15.8	
2,4,6-Trichlorophenol	0.494	0.447	0.100	9.5	20.0
2,4,5-Trichlorophenol	0.478	0.457	0.100	4.4	
2-Chloronaphthalene	1.338	1.196	0.100	10.6	
2-Nitroaniline	0.599	0.527	0.100	12.0	
Acenaphthylene	2.051	1.872	0.100	8.7	
Dimethylphthalate	1.354	1.254	0.100	7.4	
2,6-Dinitrotoluene	0.337	0.299	0.100	11.3	
Acenaphthene	1.294	1.209	0.100	6.6	20.0
3-Nitroaniline	0.322	0.332	0.100	-3.1	
2,4-Dinitrophenol	0.249	0.270	0.050	-8.4	
Dibenzofuran	1.814	1.721	0.100	5.1	

<- Outside QC limits

FORM VII SV-1

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Instrument ID: NT6 Cont. Calib. Date: 10/19/07

Init. Calib. Date: 09/29/07 Cont. Calib. Time: 0925

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.294	0.287	0.050	2.4	
2,4-Dinitrotoluene	0.409	0.385	0.100	5.9	
Fluorene	1.432	1.369	0.100	4.4	
4-Chlorophenyl-phenylether	0.798	0.710	0.100	11.0	
Diethylphthalate	1.368	1.324	0.100	3.2	
4-Nitroaniline	0.288	0.317	0.100	-10.1	
4,6-Dinitro-2-methylphenol	0.202	0.191	0.100	5.4	
N-Nitrosodiphenylamine(1)	0.510	0.447	0.100	12.4	
4-Bromophenyl-phenylether	0.277	0.246	0.100	11.2	
Hexachlorobenzene	0.282	0.247	0.100	12.4	
Pentachlorophenol	0.177	0.162	0.100	8.5	20.0
Phenanthrene	1.283	1.207	0.100	5.9	
Anthracene	1.285	1.236	0.100	3.8	
Carbazole	1.143	1.127	0.100	1.4	
Di-n-butylphthalate	1.333	1.355	0.100	-1.6	
Fluoranthene	1.467	1.491	0.100	-1.6	20.0
Pyrene	1.436	1.374	0.100	4.3	
Butylbenzylphthalate	0.631	0.613	0.100	2.8	
Benzo(a)anthracene	1.567	1.388	0.100	11.4	
3,3'-Dichlorobenzidine	0.641	0.576	0.100	10.1	
Chrysene	1.408	1.269	0.100	9.9	
bis(2-Ethylhexyl)phthalate	0.605	0.615	0.100	-1.6	
Di-n-octylphthalate	1.154	1.080	0.100	6.4	20.0
Benzo(b)fluoranthene	1.436	1.498	0.100	-4.3	
Benzo(k)fluoranthene	1.519	1.437	0.100	5.4	
Benzo(a)pyrene	1.318	1.257	0.100	4.6	20.0
Indeno(1,2,3-cd)pyrene	1.564	1.410	0.100	9.8	
Dibenzo(a,h)anthracene	1.314	1.192	0.100	9.3	
Benzo(g,h,i)perylene	1.564	1.164	0.100	25.6	
N-Nitrosodimethylamine	1.145	1.230	0.100	-7.4	
Aniline	2.678	2.378	0.100	11.2	
Benzidine	0.671	0.466	0.100	30.6	
Pyridine	1.695	1.888	0.100	-11.4	
1-methylnaphthalene	0.618	0.600	0.100	2.9	
Azobenzene (1,2-DP-Hydrazine	1.992	1.795	0.100	9.9	

(1) Cannot be separated from Diphenylamine
<- Outside QC limits

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: LR71 Project: KIMBERLY CLARK ANACO

Instrument ID: NT6 Cont. Calib. Date: 10/19/07

Init. Calib. Date: 09/29/07 Cont. Calib. Time: 0925

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.474	1.458	0.100	1.1	
Phenol-d5	1.883	1.816	0.100	3.6	
2-Chlorophenol-d4	1.254	1.221	0.100	2.6	
1,2-Dichlorobenzene-d4	0.940	0.907	0.100	3.5	
Nitrobenzene-d5	0.642	0.578	0.100	10.0	
2-Fluorobiphenyl	1.557	1.391	0.100	10.7	
2,4,6-Tribromophenol	0.194	0.189	0.100	2.6	
Terphenyl-d14	0.899	0.876	0.100	2.6	

<- Outside QC limits

Data File: /chem1/nt6.i/20071019.b/cc1019.d
Report Date: 20-Oct-2007 08:54

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc1019.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20071019.b/SW846.m

Injection Date: 19-OCT-2007 09:25
Init. Cal. Date(s): 29-SEP-2007 01-OCT-2007
Init. Cal. Times: 14:57 13:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47384	1.45854	0.010	-1.03767	100	Averaged
$ 2 Phenol-d5	1.88273	1.81628	0.010	-3.52984	100	Averaged
3 Phenol	2.33331	2.04330	0.010	-12.42916	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.25395	1.22106	0.010	-2.62281	100	Averaged
4 Bis(2-Chloroethyl)ether	1.57685	1.58010	0.010	0.20609	100	Averaged
6 2-Chlorophenol	1.40371	1.35108	0.010	-3.74882	100	Averaged
7 1,3-Dichlorobenzene	1.55975	1.48097	0.010	-5.05049	100	Averaged
9 1,4-Dichlorobenzene	1.60848	1.53376	0.010	-4.64517	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.94033	0.90725	0.010	-3.51741	100	Averaged
12 1,2-Dichlorobenzene	1.51270	1.44394	0.010	-4.54601	100	Averaged
11 Benzyl alcohol	0.91233	1.05741	0.010	15.90227	100	Averaged
14 2,2'-oxybis(1-Chloropropane	1.45514	1.56950	0.010	7.85902	100	Averaged
13 2-Methylphenol	1.34096	1.40584	0.010	4.83849	100	Averaged
17 Hexachloroethane	0.71048	0.65021	0.010	-8.48276	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40625	1.35730	0.050	-3.48110	100	Averaged
15 4-Methylphenol	1.40450	1.50624	0.010	7.24344	100	Averaged
$ 18 Nitrobenzene-d5	0.64259	0.57792	0.010	-10.06297	100	Averaged
19 Nitrobenzene	0.68968	0.61031	0.010	-11.50805	100	Averaged
20 Isophorone	1.01554	0.95728	0.010	-5.73655	100	Averaged
21 2-Nitrophenol	0.23065	0.22223	0.010	-3.65003	20.00000	Averaged
22 2,4-Dimethylphenol	0.52701	0.49171	0.010	-6.69718	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.56290	0.54075	0.010	-3.93442	100	Averaged
24 Benzoic acid	0.35970	0.35387	0.010	-1.62136	100	Averaged
25 2,4-Dichlorophenol	0.34931	0.34691	0.010	-0.68791	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.42584	0.38445	0.010	-9.72124	100	Averaged
28 Naphthalene	1.23282	1.15495	0.010	-6.31631	100	Averaged
29 4-Chloroaniline	0.47690	0.45999	0.010	-3.54653	100	Averaged
30 Hexachlorobutadiene	0.28403	0.24579	0.010	-13.46221	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.40805	0.39862	0.010	-2.30999	20.00000	Averaged
32 2-Methylnaphthalene	0.61944	0.59276	0.010	-4.30715	100	Averaged
33 Hexachlorocyclopentadiene	0.44421	0.37411	0.050	-15.78087	100	Averaged
34 2,4,6-Trichlorophenol	0.49375	0.44725	0.010	-9.41669	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47824	0.45744	0.010	-4.34936	100	Averaged
$ 36 2-Fluorobiphenyl	1.55719	1.39135	0.010	-10.64973	100	Averaged
37 2-Chloronaphthalene	1.33788	1.19650	0.010	-10.56775	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc1019.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20071019.b/SW846.m

Injection Date: 19-OCT-2007 09:25
Init. Cal. Date(s): 29-SEP-2007 01-OCT-2007
Init. Cal. Times: 14:57 13:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.59919	0.52713	0.010	-12.02645	100	Averaged
39 Dimethylphthalate	1.35379	1.25393	0.010	-7.37636	100	Averaged
40 Acenaphthylene	2.05083	1.87259	0.010	-8.69114	100	Averaged
41 2,6-Dinitrotoluene	0.33674	0.29872	0.010	-11.29096	100	Averaged
43 3-Nitroaniline	0.32156	0.33192	0.010	3.22179	100	Averaged
44 Acenaphthene	1.29437	1.20912	0.010	-6.58615	20.00000	Averaged
45 2,4-Dinitrophenol	0.24942	0.27038	0.050	8.40317	100	Averaged
46 Dibenzofuran	1.81339	1.72114	0.010	-5.08761	100	Averaged
47 4-Nitrophenol	0.29394	0.28732	0.050	-2.25345	100	Averaged
48 2,4-Dinitrotoluene	0.40959	0.38497	0.010	-6.01033	100	Averaged
50 Diethylphthalate	1.36855	1.32453	0.010	-3.21618	100	Averaged
49 Fluorene	1.43231	1.36888	0.010	-4.42862	100	Averaged
51 4-Chlorophenyl-phenylether	0.79815	0.71034	0.010	-11.00068	100	Averaged
52 4-Nitroaniline	0.28780	0.31669	0.010	10.03892	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.20256	0.19107	0.010	-5.67318	100	Averaged
54 N-Nitrosodiphenylamine	0.50987	0.44665	0.010	-12.39991	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.19404	0.18880	0.010	-2.70020	100	Averaged
56 4-Bromophenyl-phenylether	0.27681	0.24615	0.010	-11.07563	100	Averaged
57 Hexachlorobenzene	0.28163	0.24692	0.010	-12.32464	100	Averaged
58 Pentachlorophenol	0.17671	0.16206	0.010	-8.29065	20.00000	Averaged
60 Phenanthrene	1.28321	1.20747	0.010	-5.90275	100	Averaged
61 Anthracene	1.28488	1.23596	0.010	-3.80700	100	Averaged
62 Carbazole	1.14292	1.12712	0.010	-1.38224	100	Averaged
63 Di-n-butylphthalate	1.33265	1.35519	0.010	1.69132	100	Averaged
64 Fluoranthene	1.46745	1.49125	0.010	1.62221	20.00000	Averaged
65 Pyrene	1.43642	1.37363	0.010	-4.37145	100	Averaged
$ 66 Terphenyl-d14	0.89909	0.87553	0.010	-2.62047	100	Averaged
67 Butylbenzylphthalate	0.63160	0.61261	0.010	-3.00731	100	Averaged
68 Benzo(a)anthracene	1.56703	1.38853	0.010	-11.39070	100	Averaged
70 3,3'-Dichlorobenzidine	0.64134	0.57595	0.010	-10.19638	100	Averaged
71 Chrysene	1.40821	1.26943	0.010	-9.85471	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.60475	0.61519	0.010	1.72594	100	Averaged
73 Di-n-octylphthalate	1.15362	1.08042	0.010	-6.34496	20.00000	Averaged
74 Benzo(b)fluoranthene	1.43619	1.49779	0.010	4.28894	100	Averaged
75 Benzo(k)fluoranthene	1.51926	1.43682	0.010	-5.42666	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc1019.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20071019.b/SW846.m

Injection Date: 19-OCT-2007 09:25
Init. Cal. Date(s): 29-SEP-2007 01-OCT-2007
Init. Cal. Times: 14:57 13:47
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.31840	1.25669	0.010	-4.68085	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.56357	1.41005	0.010	-9.81878	100	Averaged	
79 Dibenzo(a,h)anthracene	1.31366	1.19176	0.010	-9.27986	100	Averaged	
80 Benzo(g,h,i)perylene	1.56357	1.16390	0.010	-25.56117	100	Averaged	
90 N-Nitrosodimethylamine	1.14504	1.23058	0.010	7.47075	100	Averaged	
103 Pyridine	1.69497	1.88768	0.010	11.36940	100	Averaged	
91 Aniline	2.67837	2.37850	0.010	-11.19595	100	Averaged	
105 1-methylnaphthalene	0.61773	0.60014	0.010	-2.84765	100	Averaged	
93 Benzidine	0.67141	0.46653	0.010	-30.51541	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.99216	1.79511	0.010	-9.89167	100	Averaged	
144 alpha-Terpineol	0.37409	0.34471	0.010	-7.85386	100	Averaged	
143 1,4-Dioxane	0.69789	++++	0.010	++++	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.69921	++++	0.010	++++	100	Averaged	<-
133 Butylatedhydroxytoluene	1.34218	1.15769	0.010	-13.74592	100	Averaged	
115 Tributyl Phosphate	1.17681	1.15829	0.010	-1.57370	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.67952	0.68861	0.010	1.33892	100	Averaged	
117 Butyl Diphenyl Phosphate	0.29421	0.27653	0.010	-6.01165	100	Averaged	
118 Triphenyl Phosphate	0.23784	0.22177	0.010	-6.75882	100	Averaged	
123 Acetophenone	2.02940	1.88807	0.010	-6.96442	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071019.b/cc1019.d
Lab Smp Id: ABN 25 Client Smp ID: ABN CCAL
Inj Date : 19-OCT-2007 09:25
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20071019.b/SW846.m
Meth Date : 20-Oct-2007 08:54 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 10/25/07

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	5.847	5.847	(0.746)	412811	25.0000	24.74
$ 2	Phenol-d5	99	7.428	7.428	(0.948)	514061	25.0000	24.12
3	Phenol	94	7.449	7.449	(0.950)	578314	25.0000	21.89
$ 5	2-Chlorophenol-d4	132	7.535	7.535	(0.961)	345598	25.0000	24.34
4	Bis(2-Chloroethyl)ether	93	7.519	7.519	(0.959)	447215	25.0000	25.05
6	2-Chlorophenol	128	7.561	7.561	(0.965)	382397	25.0000	24.06
7	1,3-Dichlorobenzene	146	7.775	7.775	(0.992)	419160	25.0000	23.74
* 8	1,4-Dichlorobenzene-d4	152	7.839	7.839	(1.000)	226424	20.0000	
9	1,4-Dichlorobenzene	146	7.866	7.866	(1.003)	434100	25.0000	23.84
$ 10	1,2-Dichlorobenzene-d4	152	8.138	8.138	(1.038)	256779	25.0000	24.12
12	1,2-Dichlorobenzene	146	8.160	8.160	(1.041)	408677	25.0000	23.86
11	Benzyl alcohol	108	8.138	8.138	(1.038)	299278	25.0000	28.98
14	2,2'-oxybis(1-Chloropropane)	45	8.400	8.400	(1.072)	444217	25.0000	26.96
13	2-Methylphenol	108	8.384	8.384	(1.069)	397896	25.0000	26.21
17	Hexachloroethane	117	8.651	8.651	(1.104)	184030	25.0000	22.88
16	N-Nitroso-di-n-propylamine	70	8.619	8.619	(1.099)	384156	25.0000	24.13
15	4-Methylphenol	108	8.619	8.619	(1.099)	426310	25.0000	26.81
$ 18	Nitrobenzene-d5	82	8.779	8.779	(0.880)	510920	25.0000	22.48
19	Nitrobenzene	77	8.811	8.811	(0.883)	539549	25.0000	22.12
20	Isophorone	82	9.201	9.201	(0.922)	846297	25.0000	23.57
21	2-Nitrophenol	139	9.335	9.335	(0.936)	196464	25.0000	24.09
22	2,4-Dimethylphenol	107	9.463	9.463	(0.949)	434705	25.0000	23.33
23	Bis(2-Chloroethoxy)methane	93	9.607	9.607	(0.963)	478055	25.0000	24.02
24	Benzoic acid	105	9.730	9.730	(0.975)	625677	50.0000	49.19
25	2,4-Dichlorophenol	162	9.725	9.725	(0.975)	306686	25.0000	24.83
26	1,2,4-Trichlorobenzene	180	9.848	9.848	(0.987)	339875	25.0000	22.57
* 27	Naphthalene-d8	136	9.907	9.907	(1.000)	707249	20.0000	(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.933	9.933	(0.996)	1021046	25.0000	23.42
	29 4-Chloroaniline	127	10.088	10.088	(1.011)	406658	25.0000	24.11
	30 Hexachlorobutadiene	225	10.264	10.264	(1.029)	217297	25.0000	21.63
	31 4-Chloro-3-methylphenol	107	10.922	10.922	(1.095)	352408	25.0000	24.42
	32 2-Methylnaphthalene	141	11.066	11.066	(1.109)	524039	25.0000	23.92
	33 Hexachlorocyclopentadiene	237	11.450	11.450	(0.896)	190277	25.0000	21.05
	34 2,4,6-Trichlorophenol	196	11.595	11.595	(0.907)	227478	25.0000	22.65
	35 2,4,5-Trichlorophenol	196	11.653	11.653	(0.911)	232657	25.0000	23.91
$	36 2-Fluorobiphenyl	172	11.723	11.723	(0.917)	707655	25.0000	22.34
	37 2-Chloronaphthalene	162	11.851	11.851	(0.927)	608550	25.0000	22.36
	38 2-Nitroaniline	65	12.091	12.091	(0.946)	268104	25.0000	21.99
	39 Dimethylphthalate	163	12.476	12.476	(0.976)	637759	25.0000	23.16
	40 Acenaphthylene	152	12.530	12.530	(0.980)	952416	25.0000	22.83
	41 2,6-Dinitrotoluene	165	12.567	12.567	(0.983)	151930	25.0000	22.18
*	42 Acenaphthene-d10	164	12.786	12.786	(1.000)	406888	20.0000	
	43 3-Nitroaniline	138	12.775	12.775	(0.999)	168817	25.0000	25.81
	44 Acenaphthene	153	12.839	12.839	(1.004)	614971	25.0000	23.35
	45 2,4-Dinitrophenol	184	12.946	12.946	(1.013)	275034	50.0000	54.20
	46 Dibenzofuran	168	13.101	13.101	(1.025)	875387	25.0000	23.73
	47 4-Nitrophenol	109	13.107	13.107	(1.025)	146134	25.0000	24.44
	48 2,4-Dinitrotoluene	165	13.192	13.192	(1.032)	195801	25.0000	23.50
	50 Diethylphthalate	149	13.646	13.646	(1.067)	673670	25.0000	24.20
	49 Fluorene	166	13.662	13.662	(1.069)	696227	25.0000	23.89
	51 4-Chlorophenyl-phenylether	204	13.694	13.694	(1.071)	361288	25.0000	22.25
	52 4-Nitroaniline	138	13.780	13.780	(1.078)	161071	25.0000	27.51
	53 4,6-Dinitro-2-methylphenol	198	13.854	13.854	(0.913)	311333	50.0000	47.16
	54 N-Nitrosodiphenylamine	169	13.902	13.902	(0.916)	363893	25.0000	21.90
$	55 2,4,6-Tribromophenol	330	14.089	14.089	(1.102)	96027	25.0000	24.32
	56 4-Bromophenyl-phenylether	248	14.479	14.479	(0.954)	200544	25.0000	22.23
	57 Hexachlorobenzene	284	14.693	14.693	(0.968)	201171	25.0000	21.92
	58 Pentachlorophenol	266	14.998	14.998	(0.988)	132034	25.0000	22.93
*	59 Phenanthrene-d10	188	15.174	15.174	(1.000)	651776	20.0000	
	60 Phenanthrene	178	15.211	15.211	(1.002)	983749	25.0000	23.52
	61 Anthracene	178	15.281	15.281	(1.007)	1006964	25.0000	24.05
	62 Carbazole	167	15.575	15.575	(1.026)	918289	25.0000	24.65
	63 Di-n-butylphthalate	149	16.312	16.312	(1.075)	1104104	25.0000	25.42
	64 Fluoranthene	202	17.156	17.156	(1.131)	1214954	25.0000	25.41
	65 Pyrene	202	17.514	17.514	(0.898)	1266852	25.0000	23.91
$	66 Terphenyl-d14	244	17.840	17.840	(0.914)	807473	25.0000	24.34
	67 Butylbenzylphthalate	149	18.737	18.737	(0.960)	564990	25.0000	24.25
	68 Benzo(a)anthracene	228	19.485	19.485	(0.999)	1280600	25.0000	22.15
*	69 Chrysene-d12	240	19.512	19.512	(1.000)	737814	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.506	19.506	(1.000)	531176	25.0000	22.45
	71 Chrysene	228	19.554	19.554	(1.002)	1170758	25.0000	22.54
	72 bis(2-Ethylhexyl)phthalate	149	19.747	19.747	(0.955)	819286	25.0000	25.43
*	134 Di-n-octylphthalate-d4	153	20.687	20.687	(1.000)	1065410	20.0000	
	73 Di-n-octylphthalate	149	20.698	20.698	(1.000)	1438866	25.0000	23.41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	21.152	21.152	(0.976)	1300804	25.0000	26.07
75	Benzo(k)fluoranthene	252	21.184	21.184	(0.977)	1247849	25.0000	23.64
76	Benzo(a)pyrene	252	21.600	21.600	(0.997)	1091410	25.0000	23.83
* 77	Perylene-d12	264	21.675	21.675	(1.000)	694786	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.155	23.155	(1.068)	1224600	25.0000	22.55
79	Dibenzo(a,h)anthracene	278	23.182	23.182	(1.069)	1035019	25.0000	22.68
80	Benzo(g,h,i)perylene	276	23.561	23.561	(1.087)	1010829	25.0000	18.61
90	N-Nitrosodimethylamine	74	3.031	3.031	(0.387)	348291	25.0000	26.87
103	Pyridine	79	3.021	3.021	(0.385)	534270	25.0000	27.84
91	Aniline	93	7.390	7.390	(0.943)	673188	25.0000	22.20
105	1-methylnaphthalene	141	11.237	11.237	(1.126)	530559	25.0000	24.29
93	Benzidine	184	17.418	17.418	(0.893)	430261	25.0000	17.37
111	Azobenzene (1,2-DP-Hydrazine)	77	13.945	13.945	(1.091)	913009	25.0000	22.53
144	alpha-Terpineol	59	9.976	9.976	(1.000)	304746	25.0000	23.04
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	12.978	12.978	(1.015)	588811	25.0000	21.56
115	Tributyl Phosphate	99	14.025	14.025	(0.924)	943683	25.0000	24.61
116	Dibutyl Phenyl Phosphate	175	15.751	15.751	(1.038)	561027	25.0000	25.33
117	Butyl Diphenyl Phosphate	94	17.444	17.444	(0.894)	255031	25.0000	23.50
118	Triphenyl Phosphate	326	19.052	19.052	(0.976)	204527	25.0000	23.31
123	Acetophenone	105	8.550	8.550	(1.091)	534380	25.0000	23.26

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc1019.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071019.b/SW846.m
Misc Info:

Calibration Date: 19-OCT-2007
Calibration Time: 09:59
Client Smp ID: ABN CCAL
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	226424	6.77
27 Naphthalene-d8	656578	328289	1313156	707249	7.72
42 Acenaphthene-d10	353705	176852	707410	406888	15.04
59 Phenanthrene-d10	526440	263220	1052880	651776	23.81
69 Chrysene-d12	581923	290962	1163846	737814	26.79
134 Di-n-octylphthala	979097	489548	1958194	1065410	8.82
77 Perylene-d12	686531	343266	1373062	694786	1.20

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.84	7.34	8.34	7.84	0.00
27 Naphthalene-d8	9.91	9.41	10.41	9.91	0.00
42 Acenaphthene-d10	12.79	12.29	13.29	12.79	0.00
59 Phenanthrene-d10	15.17	14.67	15.67	15.17	0.00
69 Chrysene-d12	19.51	19.01	20.01	19.51	0.00
134 Di-n-octylphthala	20.69	20.19	21.19	20.69	0.00
77 Perylene-d12	21.68	21.18	22.18	21.68	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20071019.b/cc1019.d

Date : 19-OCT-2007 09:25

Client ID: ABN CCAL

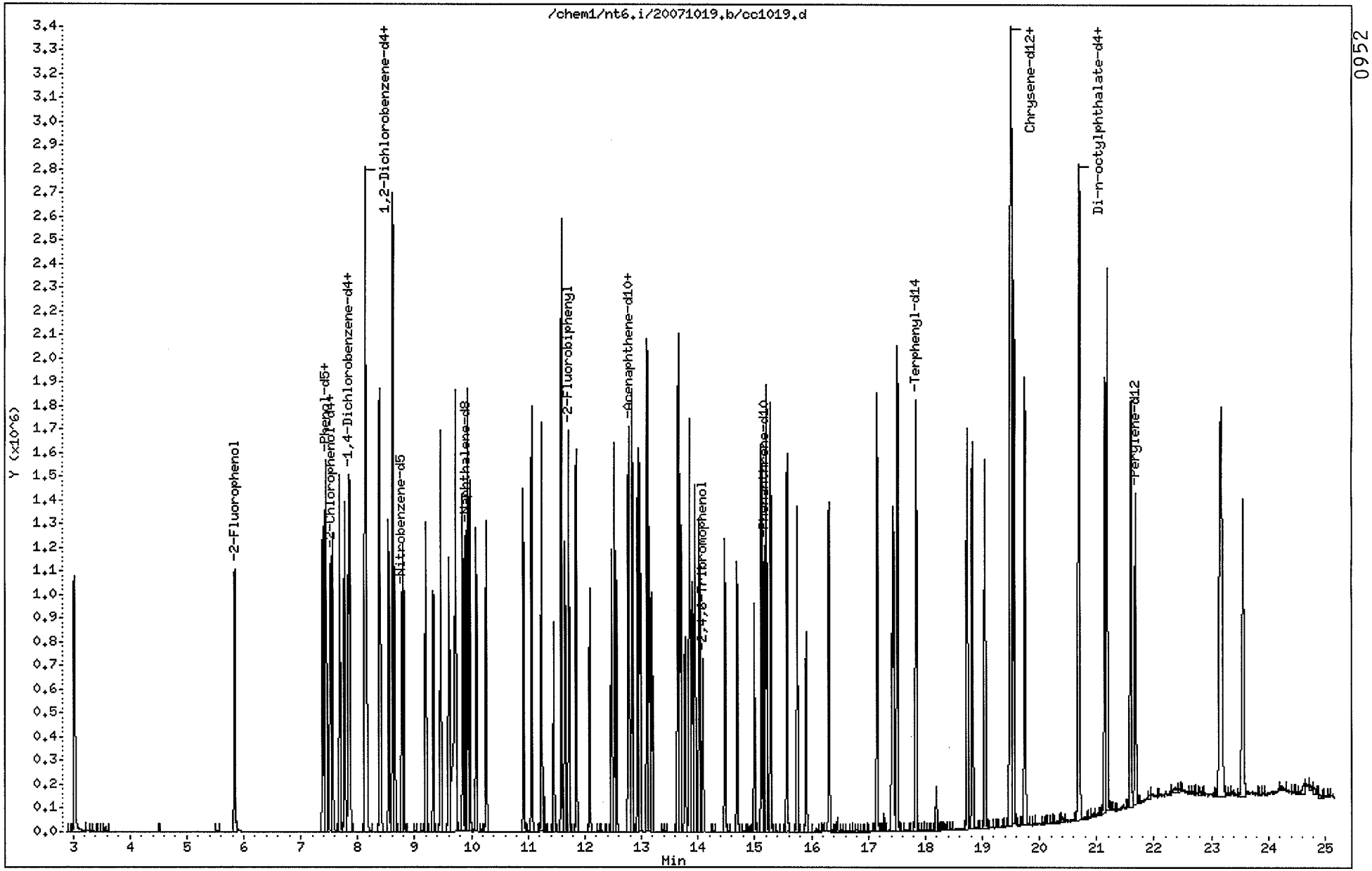
Sample Info: ABN 25

Instrument: nt6.i

Operator: LJR/VTS

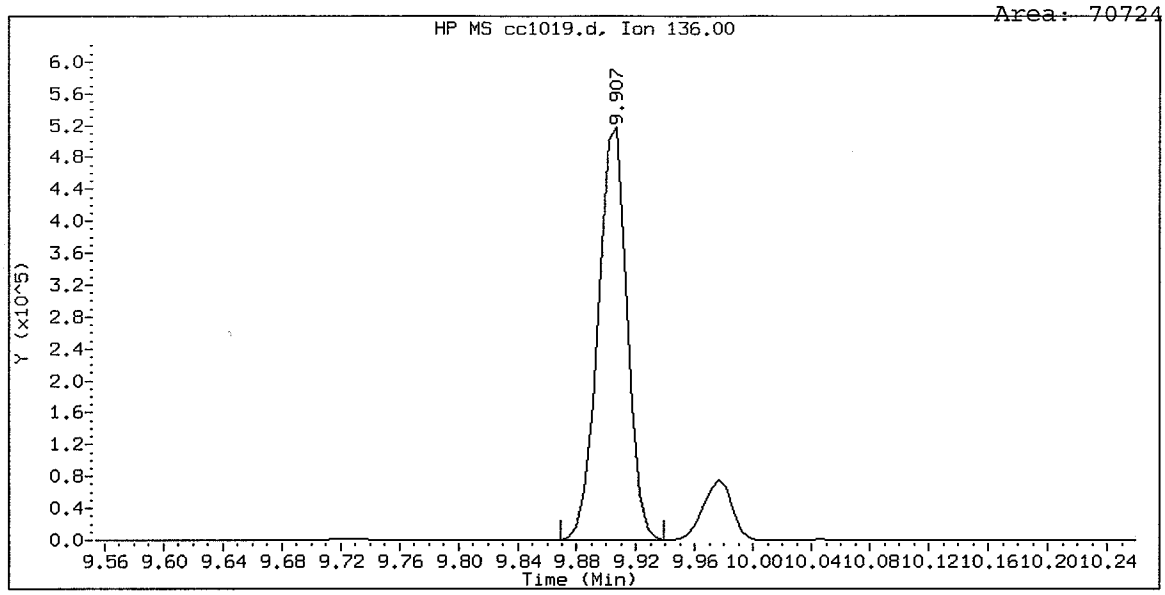
Column phase: ZB-5

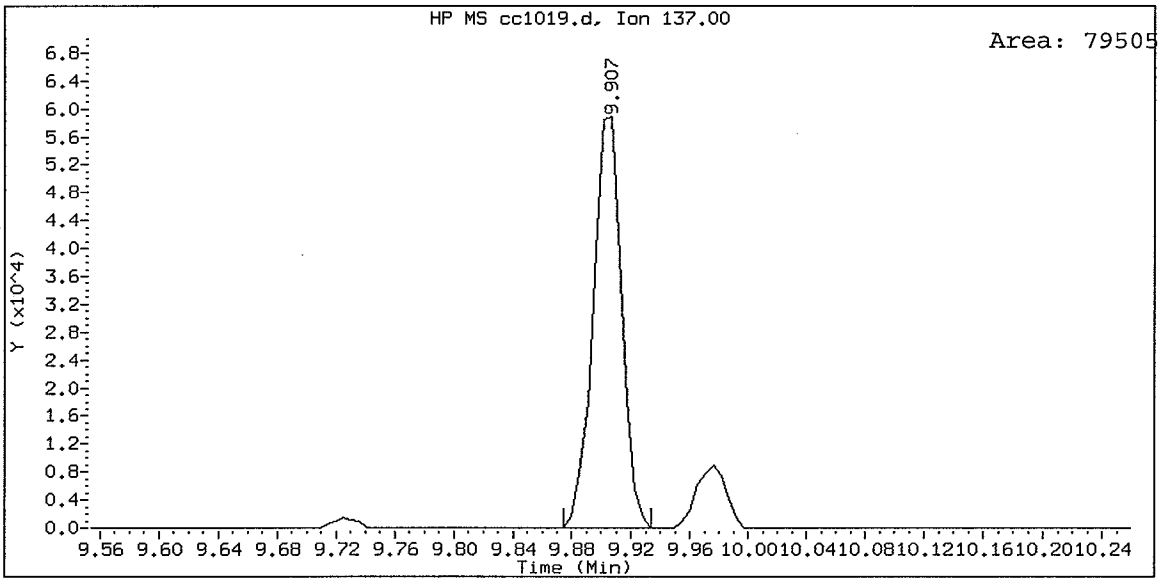
Column diameter: 0.32

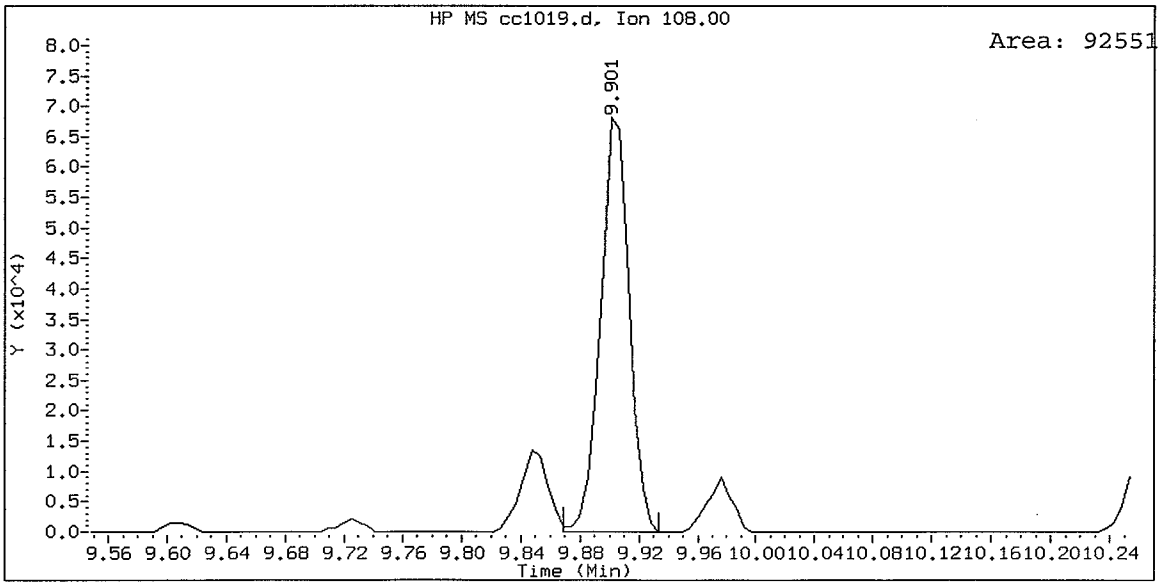


0952

ABN 25, /chem1/nt6.i/20071019.b/cc1019.d
Naphthalene-d8 Amount: 20.00







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem1/nt6.i/20071019.b/ddt.b/cc1019.d
Method: /chem1/nt6.i/20071019.b/ddt.b/sw846ddt.m
Analysis Date: 19-OCT-2007 09:25

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.998	132034
Benzidine	17.418	430261
4,4'-DDE	----	----
4,4'-DDD	18.347	7525
4,4'-DDT	18.828	435602

LJK 10/25/07

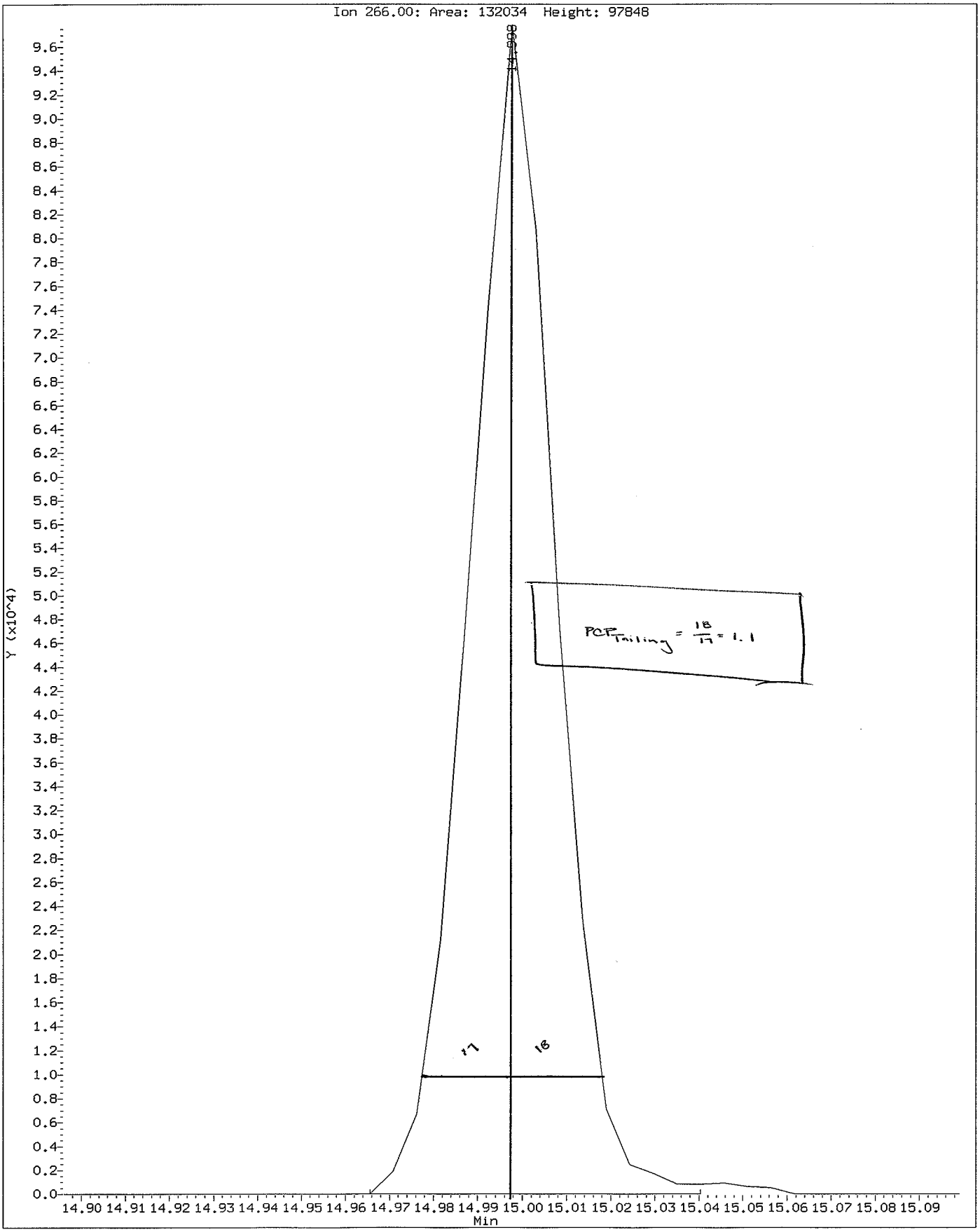
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 0 + 7525) * 100}{(\ 0 + 7525 + 435602)}$$

DDT Percent Breakdown = 1.7 %

Data File: /chem1/nt6.i/20071019.b/ddt.b/cc1019.d
Injection Date: 19-OCT-2007 09:25
Instrument: nt6.i
Client Sample ID:

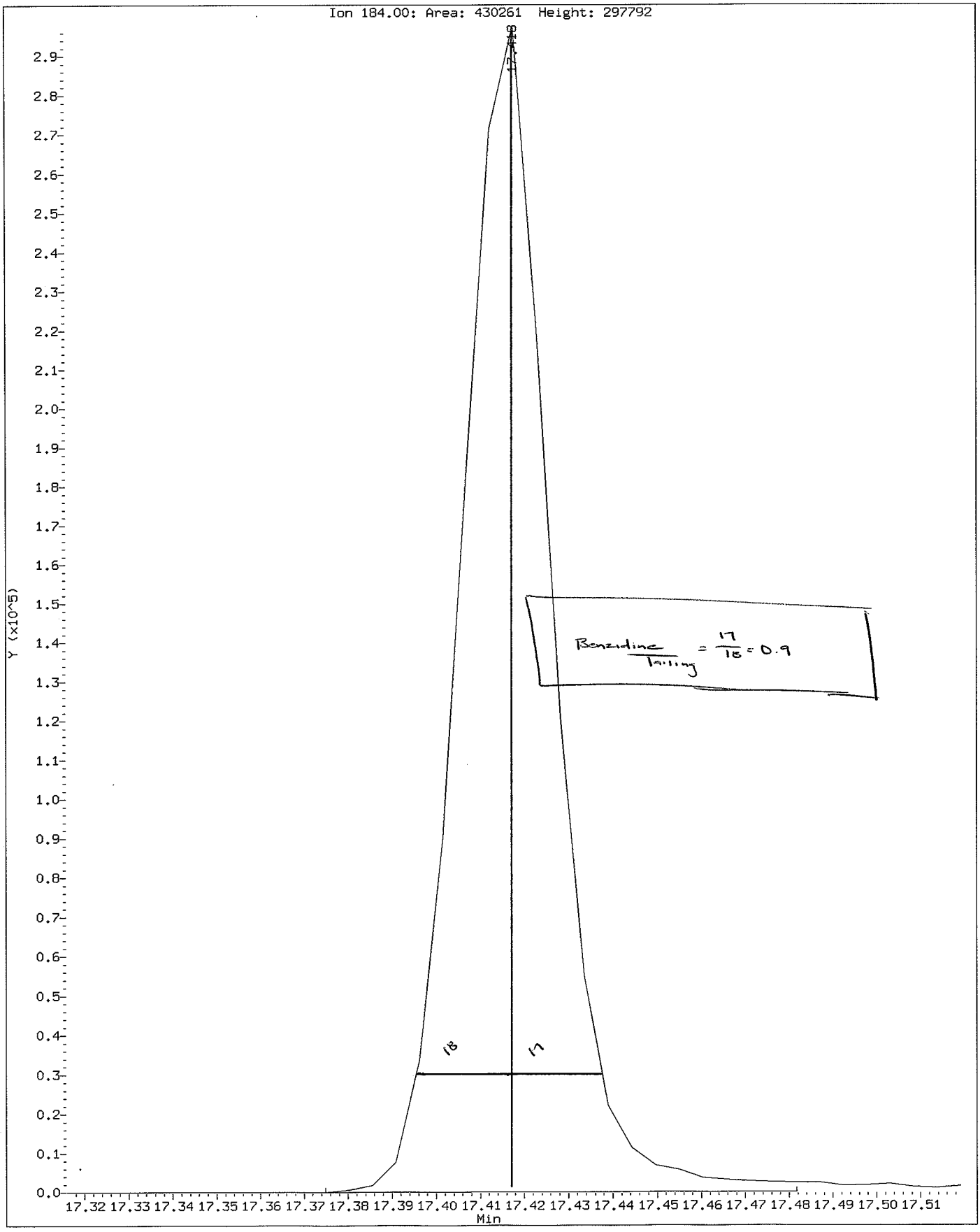
Compound: Pentachlorophenol
CAS Number: 87-86-5



0955

Data File: /chem1/nt6.i/20071019.b/ddt.b/cc1019.d
Injection Date: 19-OCT-2007 09:25
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



0956

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Instrument ID: NT4 Cont. Calib. Date: 11/01/07

Init. Calib. Date: 10/01/07 Cont. Calib. Time: 1435

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.250	2.273	0.100	-1.0	20.0
Bis(2-Chloroethyl)ether	1.734	1.671	0.100	3.6	
2-Chlorophenol	1.620	1.572	0.100	3.0	
1,3-Dichlorobenzene	1.658	1.569	0.100	5.4	
1,4-Dichlorobenzene	1.671	1.635	0.100	2.2	20.0
1,2-Dichlorobenzene	1.565	1.508	0.100	3.6	
Benzyl alcohol	1.026	1.087	0.100	-5.9	
2,2'-oxybis(1-Chloropropane)	2.104	2.156	0.100	-2.5	
2-Methylphenol	1.486	1.471	0.100	1.0	
Hexachloroethane	0.758	0.746	0.100	1.6	
N-Nitroso-di-n-propylamine	1.373	1.316	0.050	4.2	
4-Methylphenol	1.512	1.587	0.100	-5.0	
Nitrobenzene	0.585	0.546	0.100	6.7	
Isophorone	0.922	0.854	0.100	7.4	
2-Nitrophenol	0.221	0.215	0.100	2.7	20.0
2,4-Dimethylphenol	0.467	0.438	0.100	6.2	
Bis(2-Chloroethoxy)methane	0.553	0.516	0.100	6.7	
2,4-Dichlorophenol	0.315	0.314	0.100	0.3	20.0
1,2,4-Trichlorobenzene	0.373	0.342	0.100	8.3	
Naphthalene	1.228	1.169	0.100	4.8	
Benzoic acid	0.337	0.327	0.100	3.0	
4-Chloroaniline	0.517	0.489	0.100	5.4	
Hexachlorobutadiene	0.216	0.192	0.100	11.1	20.0
4-Chloro-3-methylphenol	0.390	0.363	0.100	6.9	20.0
2-Methylnaphthalene	0.625	0.586	0.100	6.2	
Hexachlorocyclopentadiene	0.362	0.307	0.050	15.2	
2,4,6-Trichlorophenol	0.401	0.391	0.100	2.5	20.0
2,4,5-Trichlorophenol	0.429	0.398	0.100	7.2	
2-Chloronaphthalene	1.307	1.214	0.100	7.1	
2-Nitroaniline	0.568	0.531	0.100	6.5	
Acenaphthylene	1.956	1.820	0.100	7.0	
Dimethylphthalate	1.422	1.273	0.100	10.5	
2,6-Dinitrotoluene	0.325	0.298	0.100	8.3	
Acenaphthene	1.298	1.166	0.100	10.2	20.0
3-Nitroaniline	0.382	0.366	0.100	4.2	
2,4-Dinitrophenol	0.181	0.170	0.050	6.1	
Dibenzofuran	1.691	1.574	0.100	6.9	

<- Outside QC limits

FORM VII SV-1

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Instrument ID: NT4 Cont. Calib. Date: 11/01/07

Init. Calib. Date: 10/01/07 Cont. Calib. Time: 1435

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.270	0.248	0.050	8.1	
2,4-Dinitrotoluene	0.430	0.382	0.100	11.2	
Fluorene	1.443	1.324	0.100	8.2	
4-Chlorophenyl-phenylether	0.708	0.628	0.100	11.3	
Diethylphthalate	1.396	1.239	0.100	11.2	
4-Nitroaniline	0.382	0.341	0.100	10.7	
4,6-Dinitro-2-methylphenol	0.163	0.176	0.100	-8.0	
N-Nitrosodiphenylamine(1)	0.492	0.490	0.100	0.4	
4-Bromophenyl-phenylether	0.248	0.232	0.100	6.4	
Hexachlorobenzene	0.258	0.239	0.100	7.4	
Pentachlorophenol	0.151	0.164	0.100	-8.6	20.0
Phenanthrene	1.382	1.326	0.100	4.0	
Anthracene	1.398	1.331	0.100	4.8	
Carbazole	1.196	1.098	0.100	8.2	
Di-n-butylphthalate	1.437	1.348	0.100	6.2	
Fluoranthene	1.496	1.385	0.100	7.4	20.0
Pyrene	1.603	1.584	0.100	1.2	
Butylbenzylphthalate	0.672	0.662	0.100	1.5	
Benzo(a)anthracene	1.486	1.395	0.100	6.1	
3,3'-Dichlorobenzidine	0.528	0.519	0.100	1.7	
Chrysene	1.462	1.346	0.100	7.9	
bis(2-Ethylhexyl)phthalate	0.630	0.638	0.100	-1.3	
Di-n-octylphthalate	1.152	1.113	0.100	3.4	20.0
Benzo(b)fluoranthene	1.362	1.294	0.100	5.0	
Benzo(k)fluoranthene	1.438	1.339	0.100	6.9	
Benzo(a)pyrene	1.213	1.170	0.100	3.5	20.0
Indeno(1,2,3-cd)pyrene	1.333	1.494	0.100	-12.1	
Dibenzo(a,h)anthracene	1.094	1.257	0.100	-14.9	
Benzo(g,h,i)perylene	1.200	1.333	0.100	-11.1	
N-Nitrosodimethylamine	1.229		0.100	100.0	
Aniline	2.683	2.437	0.100	9.2	
Benzidine	0.668	0.253	0.100	62.1	
Pyridine	1.972		0.100	100.0	
1-methylnaphthalene	0.634	0.575	0.100	9.3	
Azobenzene (1,2-DP-Hydrazine	1.936	1.898	0.100	2.0	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC Client: RIDOLFI, INC.

ARI Job No: LR71 Project: MAKAH NALEMP

Instrument ID: NT4 Cont. Calib. Date: 11/01/07

Init. Calib. Date: 10/01/07 Cont. Calib. Time: 1435

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.692	1.591	0.100	6.0	
Phenol-d5	1.894	1.877	0.100	0.9	
2-Chlorophenol-d4	1.405	1.410	0.100	-0.4	
1,2-Dichlorobenzene-d4	0.904	0.879	0.100	2.8	
Nitrobenzene-d5	0.528	0.500	0.100	5.3	
2-Fluorobiphenyl	1.381	1.280	0.100	7.3	
2,4,6-Tribromophenol	0.172	0.154	0.100	10.5	
Terphenyl-d14	0.925	0.866	0.100	6.4	

<- Outside QC limits

FORM VII SV-3

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i
Lab File ID: cc1101.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem3/nt4.i/20071101.b/SW846.m

Injection Date: 01-NOV-2007 14:35
Init. Cal. Date(s): 01-OCT-2007 01-OCT-2007
Init. Cal. Times: 10:31 13:20
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.69233	1.59076	0.010	6.00178	100	Averaged
$ 2 Phenol-d5	1.89422	1.87704	0.010	0.90727	100	Averaged
3 Phenol	2.24963	2.27307	0.010	-1.04193	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.40509	1.41015	0.010	-0.36019	100	Averaged
4 Bis(2-Chloroethyl)ether	1.73359	1.67066	0.010	3.63007	100	Averaged
6 2-Chlorophenol	1.61955	1.57196	0.010	2.93853	100	Averaged
7 1,3-Dichlorobenzene	1.65775	1.56922	0.010	5.34025	100	Averaged
9 1,4-Dichlorobenzene	1.67076	1.63539	0.010	2.11663	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.90409	0.87923	0.010	2.75010	100	Averaged
12 1,2-Dichlorobenzene	1.56483	1.50769	0.010	3.65170	100	Averaged
11 Benzyl alcohol	1.02655	1.08689	0.010	-5.87859	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.10380	2.15633	0.010	-2.49687	100	Averaged
13 2-Methylphenol	1.48612	1.47096	0.010	1.02018	100	Averaged
17 Hexachloroethane	0.75865	0.74557	0.010	1.72400	100	Averaged
16 N-Nitroso-di-n-propylamine	1.37302	1.31638	0.050	4.12532	100	Averaged
15 4-Methylphenol	1.51268	1.58691	0.010	-4.90740	100	Averaged
$ 18 Nitrobenzene-d5	0.52757	0.50051	0.010	5.12970	100	Averaged
19 Nitrobenzene	0.58459	0.54577	0.010	6.64093	100	Averaged
20 Isophorone	0.92234	0.85379	0.010	7.43302	100	Averaged
21 2-Nitrophenol	0.22082	0.21489	0.010	2.68733	20.00000	Averaged
22 2,4-Dimethylphenol	0.46748	0.43806	0.010	6.29212	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.55356	0.51648	0.010	6.69866	100	Averaged
24 Benzoic acid	0.33683	0.32675	0.010	2.99136	100	Averaged
25 2,4-Dichlorophenol	0.31552	0.31372	0.010	0.56832	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.37298	0.34246	0.010	8.18370	100	Averaged
28 Naphthalene	1.22785	1.16877	0.010	4.81210	100	Averaged
29 4-Chloroaniline	0.51724	0.48869	0.010	5.51939	100	Averaged
30 Hexachlorobutadiene	0.21594	0.19197	0.010	11.09702	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.38962	0.36277	0.010	6.89224	20.00000	Averaged
32 2-Methylnaphthalene	0.62548	0.58645	0.010	6.23960	100	Averaged
33 Hexachlorocyclopentadiene	0.36239	0.30715	0.050	15.24428	100	Averaged
34 2,4,6-Trichlorophenol	0.40079	0.39096	0.010	2.45371	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.42903	0.39767	0.010	7.31113	100	Averaged
$ 36 2-Fluorobiphenyl	1.38098	1.28035	0.010	7.28653	100	Averaged
37 2-Chloronaphthalene	1.30695	1.21405	0.010	7.10846	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i
Lab File ID: cc1101.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem3/nt4.i/20071101.b/SW846.m

Injection Date: 01-NOV-2007 14:35
Init. Cal. Date(s): 01-OCT-2007 01-OCT-2007
Init. Cal. Times: 10:31 13:20
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.56850	0.53145	0.010	6.51693	100	Averaged
39 Dimethylphthalate	1.42249	1.27286	0.010	10.51832	100	Averaged
40 Acenaphthylene	1.95599	1.82053	0.010	6.92536	100	Averaged
41 2,6-Dinitrotoluene	0.32514	0.29777	0.010	8.41816	100	Averaged
43 3-Nitroaniline	0.38231	0.36550	0.010	4.39530	100	Averaged
44 Acenaphthene	1.29845	1.16631	0.010	10.17649	20.00000	Averaged
45 2,4-Dinitrophenol	0.18106	0.17038	0.050	5.89623	100	Averaged
46 Dibenzofuran	1.69113	1.57456	0.010	6.89274	100	Averaged
47 4-Nitrophenol	0.27008	0.24817	0.050	8.11165	100	Averaged
48 2,4-Dinitrotoluene	0.42982	0.38191	0.010	11.14648	100	Averaged
50 Diethylphthalate	1.39560	1.23935	0.010	11.19571	100	Averaged
49 Fluorene	1.44306	1.32457	0.010	8.21096	100	Averaged
51 4-Chlorophenyl-phenylether	0.70776	0.62788	0.010	11.28631	100	Averaged
52 4-Nitroaniline	0.38177	0.34100	0.010	10.67944	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.16262	0.17629	0.010	-8.40350	100	Averaged
54 N-Nitrosodiphenylamine	0.49150	0.48974	0.010	0.35836	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.17217	0.15378	0.010	10.68323	100	Averaged
56 4-Bromophenyl-phenylether	0.24829	0.23259	0.010	6.32478	100	Averaged
57 Hexachlorobenzene	0.25813	0.23922	0.010	7.32594	100	Averaged
58 Pentachlorophenol	0.15083	0.16396	0.010	-8.70461	20.00000	Averaged
60 Phenanthrene	1.38224	1.32594	0.010	4.07280	100	Averaged
61 Anthracene	1.39772	1.33128	0.010	4.75339	100	Averaged
62 Carbazole	1.19591	1.09824	0.010	8.16737	100	Averaged
63 Di-n-butylphthalate	1.43753	1.34848	0.010	6.19439	100	Averaged
64 Fluoranthene	1.49650	1.38520	0.010	7.43695	20.00000	Averaged
65 Pyrene	1.60282	1.58371	0.010	1.19262	100	Averaged
$ 66 Terphenyl-d14	0.92530	0.86644	0.010	6.36090	100	Averaged
67 Butylbenzylphthalate	0.67198	0.66233	0.010	1.43579	100	Averaged
68 Benzo(a)anthracene	1.48643	1.39515	0.010	6.14073	100	Averaged
70 3,3'-Dichlorobenzidine	0.52782	0.51935	0.010	1.60405	100	Averaged
71 Chrysene	1.46214	1.34567	0.010	7.96589	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.63014	0.63759	0.010	-1.18165	100	Averaged
73 Di-n-octylphthalate	1.15207	1.11310	0.010	3.38198	20.00000	Averaged
74 Benzo(b)fluoranthene	1.36170	1.29398	0.010	4.97320	100	Averaged
75 Benzo(k)fluoranthene	1.43848	1.33926	0.010	6.89734	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt4.i
Lab File ID: cc1101.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem3/nt4.i/20071101.b/SW846.m

Injection Date: 01-NOV-2007 14:35
Init. Cal. Date(s): 01-OCT-2007 01-OCT-2007
Init. Cal. Times: 10:31 13:20
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.21269	1.17026	0.010	3.49885	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.33294	1.49386	0.010	-12.07245	100	Averaged	
79 Dibenzo(a,h)anthracene	1.09475	1.25728	0.010	-14.84643	100	Averaged	
80 Benzo(g,h,i)perylene	1.20063	1.33348	0.010	-11.06551	100	Averaged	
90 N-Nitrosodimethylamine	1.22915	++++	0.010	++++	100	Averaged	<-
103 Pyridine	1.97206	++++	0.010	++++	100	Averaged	<-
91 Aniline	2.68305	2.43685	0.010	9.17629	100	Averaged	
105 1-methylnaphthalene	0.63342	0.57547	0.010	9.14981	100	Averaged	
93 Benzidine	0.66802	0.25285	0.010	62.14885	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.93591	1.89774	0.010	1.97180	100	Averaged	
144 alpha-Terpineol	0.35558	0.33264	0.010	6.45133	100	Averaged	
143 1,4-Dioxane	++++	++++	0.010	++++	100	Averaged	<-
$ 137 d8-1,4-Dioxane	++++	++++	0.010	++++	100	Averaged	<-
133 Butylatedhydroxytoluene	1.12737	0.89172	0.010	20.90255	100	Averaged	
115 Tributyl Phosphate	1.24079	1.20845	0.010	2.60576	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.67898	0.60164	0.010	11.39080	100	Averaged	
117 Butyl Diphenyl Phosphate	0.31331	0.31233	0.010	0.31301	100	Averaged	
118 Triphenyl Phosphate	0.22028	0.19699	0.010	10.57183	100	Averaged	
123 Acetophenone	2.15932	2.13469	0.010	1.14042	100	Averaged	
170 Pentachlorobenzene	0.48141	0.31408	0.010	34.75866	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/cc1101.d
Lab Smp Id: ABN 25
Inj Date : 01-NOV-2007 14:35
Operator : VTS
Inst ID: nt4.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 09:22 jeff
Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04
Cal File: 0801001.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	4.748	4.748	(0.696)	289089	25.0000	23.50
$ 2	Phenol-d5	99	6.489	6.489	(0.951)	341114	25.0000	24.77
3	Phenol	94	6.505	6.505	(0.954)	413085	25.0000	25.26
$ 5	2-Chlorophenol-d4	132	6.521	6.521	(0.956)	256267	25.0000	25.09
4	Bis(2-Chloroethyl)ether	93	6.532	6.532	(0.958)	303609	25.0000	24.09
6	2-Chlorophenol	128	6.548	6.548	(0.960)	285673	25.0000	24.27
7	1,3-Dichlorobenzene	146	6.746	6.746	(0.989)	285175	25.0000	23.66
* 8	1,4-Dichlorobenzene-d4	152	6.820	6.820	(1.000)	145384	20.0000	
9	1,4-Dichlorobenzene	146	6.842	6.842	(1.003)	297200	25.0000	24.47
$ 10	1,2-Dichlorobenzene-d4	152	7.114	7.114	(1.043)	159782	25.0000	24.31
12	1,2-Dichlorobenzene	146	7.141	7.141	(1.047)	273992	25.0000	24.09
11	Benzyl alcohol	108	7.162	7.162	(1.050)	197521	25.0000	26.47(M)
14	2,2'-oxybis(1-Chloropropane)	45	7.429	7.429	(1.089)	391869	25.0000	25.62
13	2-Methylphenol	108	7.445	7.445	(1.092)	267318	25.0000	24.74
17	Hexachloroethane	117	7.627	7.627	(1.118)	135492	25.0000	24.57
16	N-Nitroso-di-n-propylamine	70	7.643	7.643	(1.121)	239226	25.0000	23.97
15	4-Methylphenol	108	7.686	7.686	(1.127)	288389	25.0000	26.23
$ 18	Nitrobenzene-d5	82	7.771	7.771	(0.876)	331916	25.0000	23.72
19	Nitrobenzene	77	7.803	7.803	(0.880)	361931	25.0000	23.34
20	Isophorone	82	8.199	8.199	(0.924)	566194	25.0000	23.14
21	2-Nitrophenol	139	8.322	8.322	(0.938)	142503	25.0000	24.33
22	2,4-Dimethylphenol	107	8.509	8.509	(0.959)	290505	25.0000	23.43
23	Bis(2-Chloroethoxy)methane	93	8.637	8.637	(0.974)	342505	25.0000	23.33
24	Benzoic acid	105	8.813	8.813	(0.993)	433372	50.0000	48.50
25	2,4-Dichlorophenol	162	8.722	8.722	(0.983)	208048	25.0000	24.86
26	1,2,4-Trichlorobenzene	180	8.829	8.829	(0.995)	227102	25.0000	22.95
* 27	Naphthalene-d8	136	8.872	8.872	(1.000)	530525	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	8.899	8.899	(1.003)	775074	25.0000	23.80
	29 4-Chloroaniline	127	9.086	9.086	(1.024)	324076	25.0000	23.62
	30 Hexachlorobutadiene	225	9.246	9.246	(1.042)	127309	25.0000	22.23
	31 4-Chloro-3-methylphenol	107	9.946	9.946	(1.121)	240571	25.0000	23.28
	32 2-Methylnaphthalene	141	10.015	10.015	(1.129)	388911	25.0000	23.44
	33 Hexachlorocyclopentadiene	237	10.405	10.405	(0.891)	107770	25.0000	21.19
	34 2,4,6-Trichlorophenol	196	10.549	10.549	(0.903)	137177	25.0000	24.39
	35 2,4,5-Trichlorophenol	196	10.608	10.608	(0.908)	139532	25.0000	23.17
$	36 2-Fluorobiphenyl	172	10.677	10.677	(0.914)	449245	25.0000	23.18
	37 2-Chloronaphthalene	162	10.774	10.774	(0.922)	425981	25.0000	23.22
	38 2-Nitroaniline	65	11.035	11.035	(0.945)	186472	25.0000	23.37
	39 Dimethylphthalate	163	11.436	11.436	(0.979)	446618	25.0000	22.37
	40 Acenaphthylene	152	11.431	11.431	(0.978)	638781	25.0000	23.27
	41 2,6-Dinitrotoluene	165	11.511	11.511	(0.985)	104480	25.0000	22.90
*	42 Acenaphthene-d10	164	11.682	11.682	(1.000)	280701	20.0000	
	43 3-Nitroaniline	138	11.709	11.709	(1.002)	128247	25.0000	23.90
	44 Acenaphthene	153	11.730	11.730	(1.004)	409232	25.0000	22.46
	45 2,4-Dinitrophenol	184	11.869	11.869	(1.016)	119565	50.0000	47.05
	46 Dibenzofuran	168	11.992	11.992	(1.027)	552476	25.0000	23.28
	47 4-Nitrophenol	109	12.088	12.088	(1.035)	87077	25.0000	22.97
	48 2,4-Dinitrotoluene	165	12.120	12.120	(1.037)	134002	25.0000	22.21
	50 Diethylphthalate	149	12.585	12.585	(1.077)	434859	25.0000	22.20
	49 Fluorene	166	12.537	12.537	(1.073)	464759	25.0000	22.95
	51 4-Chlorophenyl-phenylether	204	12.595	12.595	(1.078)	220307	25.0000	22.18
	52 4-Nitroaniline	138	12.681	12.681	(1.085)	119650	25.0000	22.33
	53 4,6-Dinitro-2-methylphenol	198	12.756	12.756	(0.911)	172731	50.0000	54.20
	54 N-Nitrosodiphenylamine	169	12.809	12.809	(0.915)	239933	25.0000	24.91
$	55 2,4,6-Tribromophenol	330	12.953	12.953	(1.109)	53956	25.0000	22.33
	56 4-Bromophenyl-phenylether	248	13.359	13.359	(0.954)	113949	25.0000	23.42
	57 Hexachlorobenzene	284	13.541	13.541	(0.967)	117198	25.0000	23.17
	58 Pentachlorophenol	266	13.856	13.856	(0.990)	80327	25.0000	27.18
*	59 Phenanthrene-d10	188	14.000	14.000	(1.000)	391934	20.0000	
	60 Phenanthrene	178	14.032	14.032	(1.002)	649603	25.0000	23.98
	61 Anthracene	178	14.102	14.102	(1.007)	652217	25.0000	23.81
	62 Carbazole	167	14.412	14.412	(1.029)	538046	25.0000	22.96
	63 Di-n-butylphthalate	149	15.197	15.197	(1.085)	660646	25.0000	23.45
	64 Fluoranthene	202	15.923	15.923	(1.137)	678635	25.0000	23.14
	65 Pyrene	202	16.260	16.260	(0.892)	702094	25.0000	24.70
$	66 Terphenyl-d14	244	16.634	16.634	(0.913)	384113	25.0000	23.41
	67 Butylbenzylphthalate	149	17.558	17.558	(0.964)	293625	25.0000	24.64
	68 Benzo(a)anthracene	228	18.199	18.199	(0.999)	618503	25.0000	23.46
*	69 Chrysene-d12	240	18.221	18.221	(1.000)	354658	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.258	18.258	(1.002)	230241	25.0000	24.60
	71 Chrysene	228	18.258	18.258	(1.002)	596566	25.0000	23.01
	72 bis(2-Ethylhexyl)phthalate	149	18.578	18.578	(0.953)	403524	25.0000	25.30
*	134 Di-n-octylphthalate-d4	153	19.503	19.503	(1.000)	506314	20.0000	
	73 Di-n-octylphthalate	149	19.513	19.513	(1.001)	704475	25.0000	24.15

Data File: /chem3/nt4.i/20071101.b/cc1101.d
Report Date: 02-Nov-2007 11:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	19.818	19.818	(0.975)	648256	25.0000	23.76
75	Benzo(k)fluoranthene	252	19.850	19.850	(0.977)	670940	25.0000	23.28
76	Benzo(a)pyrene	252	20.245	20.245	(0.996)	586275	25.0000	24.13
* 77	Perylene-d12	264	20.325	20.325	(1.000)	400782	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.661	21.661	(1.066)	748389	25.0000	28.02
79	Dibenzo(a,h)anthracene	278	21.693	21.693	(1.067)	629869	25.0000	28.71
80	Benzo(g,h,i)perylene	276	21.944	21.944	(1.080)	668044	25.0000	27.77
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
91	Aniline	93	6.377	6.377	(0.935)	442848	25.0000	22.71
105	1-methylnaphthalene	141	10.181	10.181	(1.148)	381624	25.0000	22.71
93	Benzidine	184	16.223	16.223	(0.890)	112096	25.0000	9.463
111	Azobenzene (1,2-DP-Hydrazine)	77	12.841	12.841	(1.099)	665871	25.0000	24.51
144	alpha-Terpineol	59	8.979	8.979	(1.012)	220591	25.0000	23.39
143	1,4-Dioxane	88	Compound Not Detected.					
$ 137	d8-1,4-Dioxane	96	Compound Not Detected.					
133	Butylatedhydroxytoluene	205	11.928	11.928	(1.021)	312884	25.0000	19.77
115	Tributyl Phosphate	99	12.985	12.985	(0.928)	592043	25.0000	24.35
116	Dibutyl Phenyl Phosphate	175	14.652	14.652	(1.047)	294752	25.0000	22.15
117	Butyl Diphenyl Phosphate	94	16.292	16.292	(0.894)	138462	25.0000	24.92
118	Triphenyl Phosphate	326	17.852	17.852	(0.980)	87331	25.0000	22.36
123	Acetophenone	105	7.552	7.552	(1.107)	387938	25.0000	24.71
170	Pentachlorobenzene	250	13.359	13.359	(1.144)	110203	25.0000	16.31

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: cc1101.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info:

Calibration Date: 01-NOV-2007
Calibration Time: 14:35

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	145384	0.00
27 Naphthalene-d8	530525	265262	1061050	530525	0.00
42 Acenaphthene-d10	280701	140350	561402	280701	0.00
59 Phenanthrene-d10	391934	195967	783868	391934	0.00
69 Chrysene-d12	354658	177329	709316	354658	0.00
134 Di-n-octylphthala	506314	253157	1012628	506314	0.00
77 Perylene-d12	400782	200391	801564	400782	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.00
27 Naphthalene-d8	8.87	8.37	9.37	8.87	0.00
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.00
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.00
69 Chrysene-d12	18.22	17.72	18.72	18.22	0.00
134 Di-n-octylphthala	19.50	19.00	20.00	19.50	0.00
77 Perylene-d12	20.33	19.83	20.83	20.33	0.00

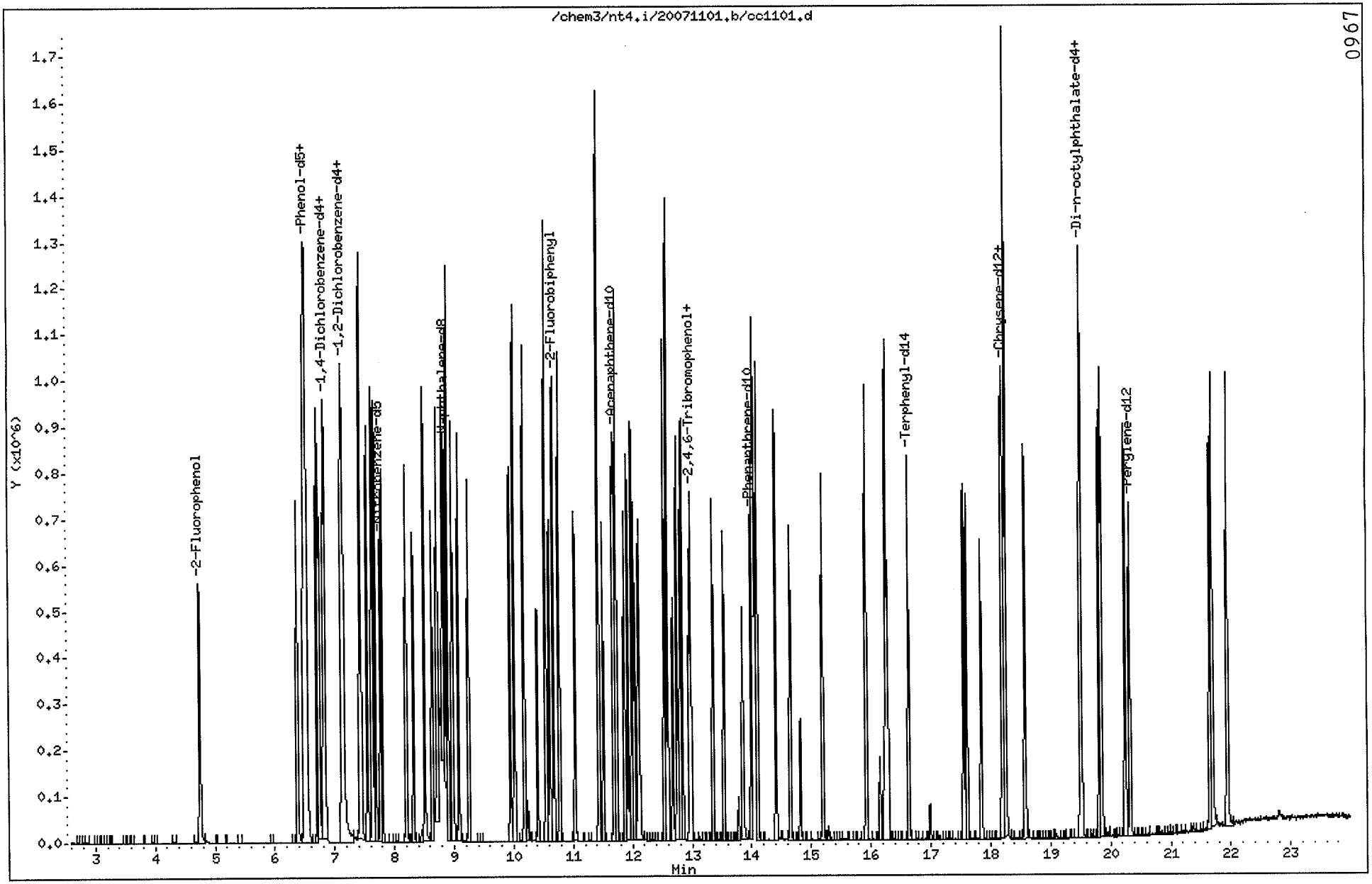
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt4.i/20071101.b/cc1101.d
Date : 01-NOV-2007 14:35
Client ID:
Sample Info: ABN 25

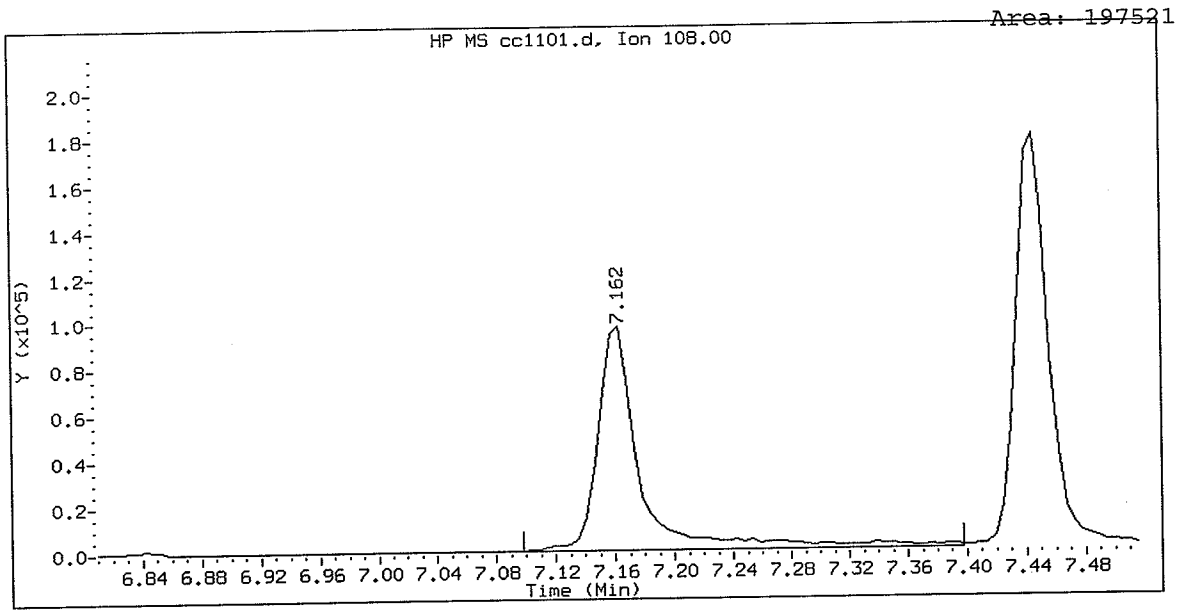
Instrument: nt4.i

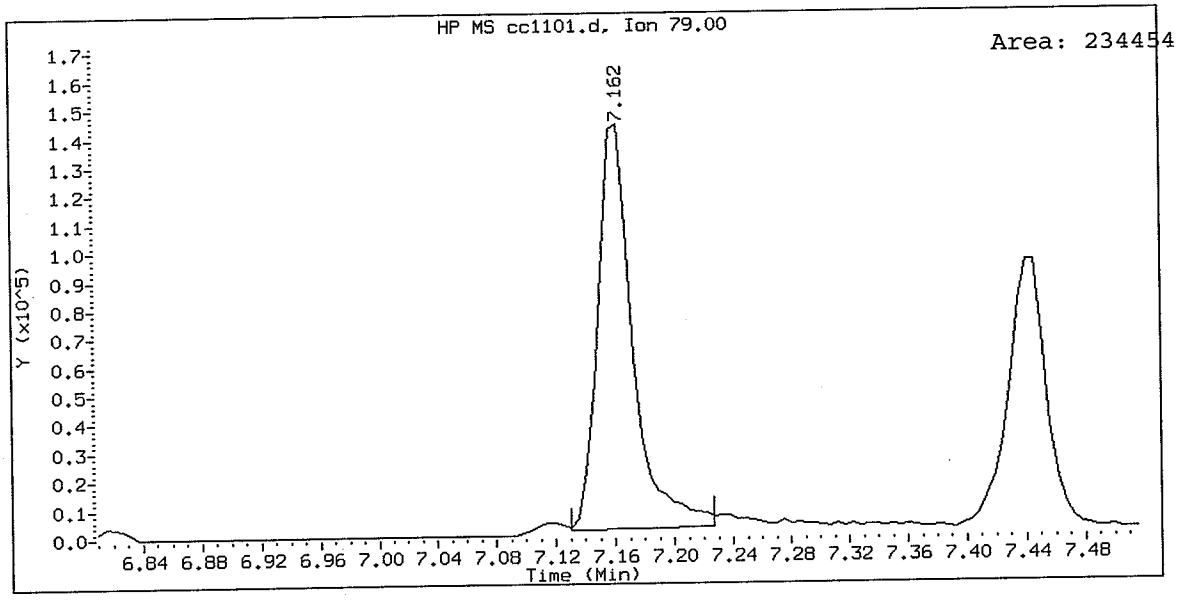
Operator: VTS
Column diameter: 0.32

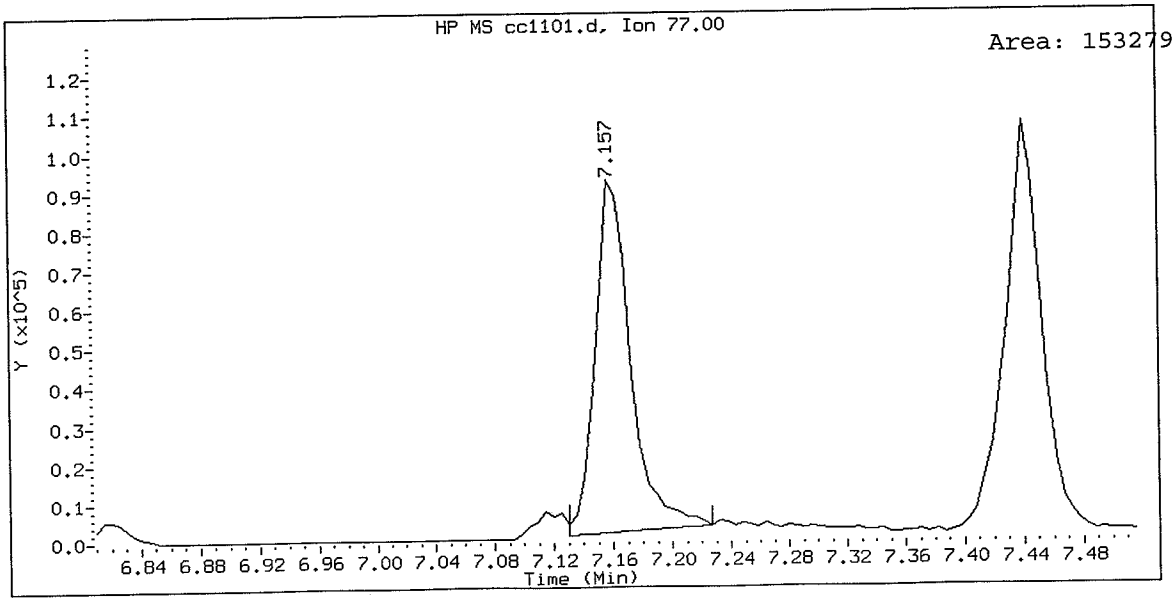
Column phase: ZB-5



ABN 25, /chem3/nt4.i/20071101.b/cc1101.d
Benzyl alcohol Amount: 26.47







Analytical Resources Inc.
ABN by sw846 8270C
DDT Breakdown Report

Data file: /chem3/nt4.i/20071101.b/ddt.b/cc1101.d
Method: /chem3/nt4.i/20071101.b/ddt.b/sw846ddt.m
Analysis Date: 01-NOV-2007 14:35

ARI ID:
Misc:
Instrument: nt4.i

COMPOUND	RT	AREA
Pentachlorophenol	13.856	84091
Benzidine	16.223	115986
4,4'-DDE	----	----
4,4'-DDD	17.147	5078
4,4'-DDT	17.606	204938

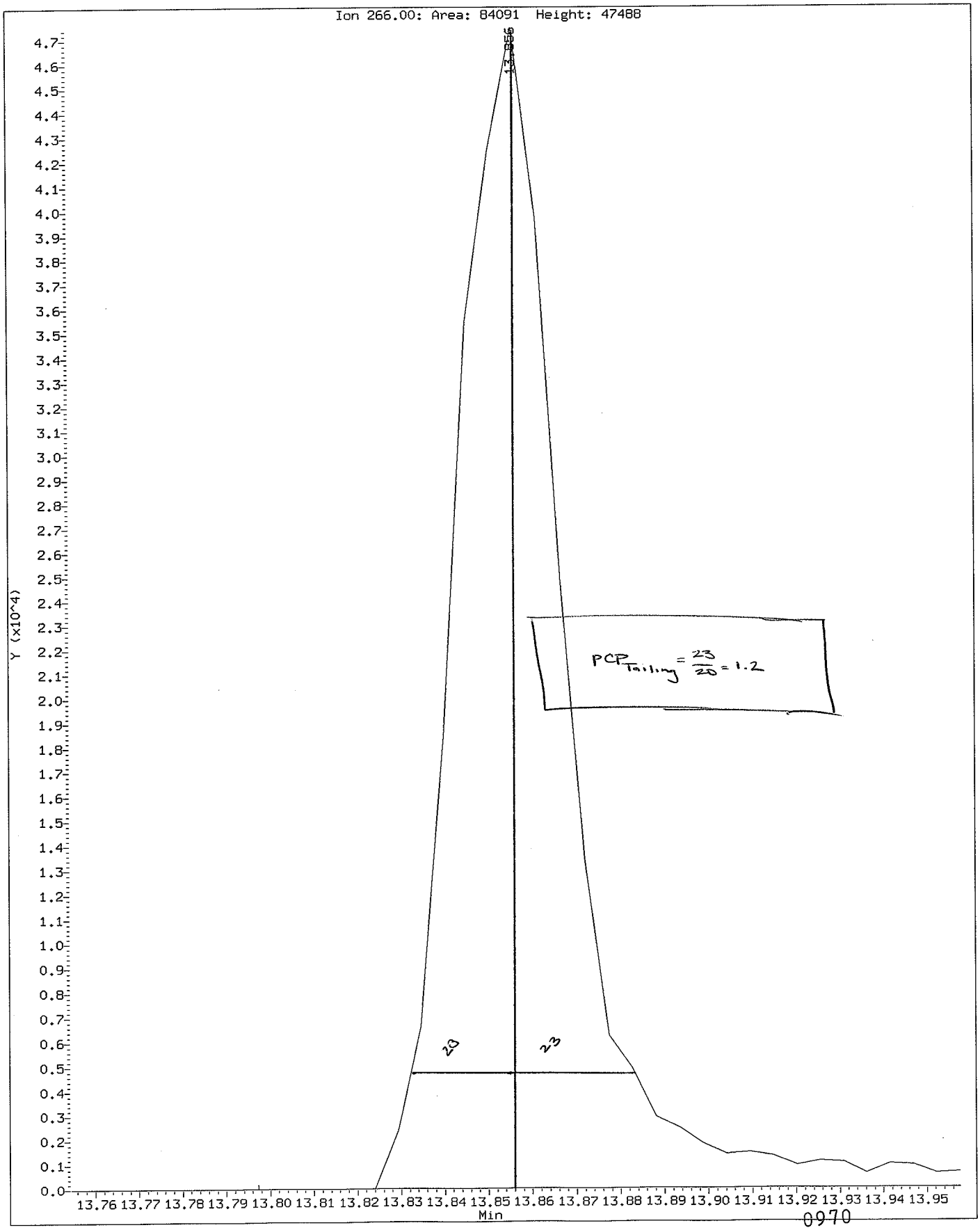
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 0 + 5078) * 100}{(\ 0 + 5078 + 204938)}$$

DDT Percent Breakdown = 2.4 %

Data File: /chem3/nt4.i/20071101.b/ddt.b/cc1101.d
Injection Date: 01-NOV-2007 14:35
Instrument: nt4.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt4.i/20071101.b/ddt.b/cc1101.d
Injection Date: 01-NOV-2007 14:35
Instrument: nt4.i
Client Sample ID:

Compound: Benzidine
CAS Number:

