SIM Semivolatile Analysis
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

6B

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIR

ARI Job No: JQ35 Project: T4 EARLY ACTION

Instrument ID: NT1 Calibration Date: 08/04/06

LAB FILE ID: RRF0.1=IC0803C RRF0.5=IC0806F RRF1 =IC0805E
RRF2.5=IC0803A RRF5 =IC0804D RRF10 =IC0803B

COMPOUND	RRF 0.1	RRF 0.5	RRF 1	RRF 2.5	RRF 5	RRF 10	$\overline{RRF}$	%RSD /R^2	
Naphthalene	1.125	1.009	0.898	0.958	1.001	0.994	0.998	7.5	
2-Methylnaphthalene	0.636	0.615	0.537	0.567	0.593	0.597	0.591	5.9	
Acenaphthylene	1.765	1.619	1.511	1.610	1.706	1.737	1.658	5.7	
Acenaphthene	1.004	1.013	0.898	0.950	1.004	1.023	0.982	4.9	*
Dibenzofuran	1.533	1.457	1.329	1.387	1.485	1.488	1.446	5.2	
Fluorene	1.136	1.180	1.026	1.065	1.172	1.178	1.126	5.8	
Phenanthrene	1.174	1.043	0.929	0.957	1.022	1.035	1.027	8.3	
Anthracene	1.114	0.977	0.949	0.974	1.067	1.074	1.026	6.6	
Fluoranthene	1.224	1.032	0.972	0.977	1.043	1.034	1.047	8.8	*
Pyrene	1.414	1.299	1.172	1.225	1.323	1.272	1.284	6.5	
Benzo(a)anthracene	1.436	1.152	1.085	1.148	1.213	1.192	1.204	10.1	
Chrysene	1.209	1.066	1.057	1.069	1.136	1.129	1.111	5.3	
Benzo(b)fluoranthene	1.255	1.066	0.993	1.151	1.170	1.136	1.128	8.0	
Benzo(k)fluoranthene	1.270	1.230	1.147	1.067	1.196	1.310	1.203	7.3	
Benzo(a)pyrene	1.404	1.047	0.964	1.011	1.066	1.108	1.100	14.2	*
Indeno(1,2,3-cd)pyrene	1.442	1.213	1.124	1.220	1.292	1.298	1.265	8.5	
Dibenz(a,h)anthracene	1.149	0.983	0.900	0.998	1.088	1.082	1.033	8.7	
Benzo(g,h,i)perylene	1.183	1.008	0.921	1.012	1.102	1.082	1.051	8.6	
1-Methylnaphthalene	0.700	0.601	0.573	0.594	0.631	0.619	0.620	7.1	
Biphenyl	1.319	1.232	1.166	1.161	1.274	1.262	1.236	5.1	
2,6-Dimethylnaphthalene	0.995	0.973	0.908	0.930	1.006	1.027	0.973	4.7	
2,3,5-Trimethylnaphthalene	0.844	0.792	0.734	0.769	0.831	0.813	0.797	5.2	
1-Methylphenanthrene	0.809	0.827	0.760	0.786	0.890	0.839	0.818	5.5	
Benzo(e)pyrene	1.531	1.132	1.076	1.146	1.202	1.217	1.217	13.3	
Perylene	1.431	1.091	0.966	1.050	1.159	1.162	1.143	13.9	
2-Methylnaphthalene-d10	0.529	0.518	0.474	0.506	0.540	0.523	0.515	4.5	
Dibenz(a,h)anthrancene-d14	0.819	0.739	0.678	0.757	0.800	0.799	0.765	6.8	

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-1

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2006 10:25
End Cal Date : 04-AUG-2006 12:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt1.i/20060804.b/simpna.m
Cal Date : 04-Aug-2006 14:06 yev
Curve Type : Average

Calibration File Names:
Level 1: /chem3/nt1.i/20060804.b/ic0803c.d
Level 2: /chem3/nt1.i/20060804.b/ic0806f.d
Level 3: /chem3/nt1.i/20060804.b/ic0805e.d
Level 4: /chem3/nt1.i/20060804.b/ic0803a.d
Level 5: /chem3/nt1.i/20060804.b/ic0804d.d
Level 6: /chem3/nt1.i/20060804.b/ic0803b.d

Compound	0.10000 Level 1	0.50000 Level 2	1.000 Level 3	2.500 Level 4	5.000 Level 5	10.000 Level 6	RRF	% RSD
53 Perylene	1.43115	1.09078	0.96639	1.04957	1.15866	1.16206	1.14310	13.903
52 Benzo(e)pyrene	1.53090	1.13190	1.07658	1.14554	1.20260	1.21723	1.21746	13.286
51 1-Methylphenanthrene	0.80940	0.82731	0.76038	0.78604	0.89011	0.83876	0.81867	5.498
50 2,3,5-Trimethylnaphthalene	0.84431	0.79178	0.73359	0.76892	0.83141	0.81303	0.79717	5.177
49 2,6-Dimethylnaphthalene	0.99510	0.97266	0.90848	0.92961	1.00646	1.02718	0.97325	4.728
48 Biphenyl	1.31930	1.23199	1.16604	1.16092	1.27363	1.26234	1.23570	5.066
2 Naphthalene	1.12466	1.00931	0.89847	0.95812	1.00108	0.99392	0.99759	7.460
4 2-Methylnaphthalene	0.63581	0.61473	0.53693	0.56716	0.59303	0.59702	0.59078	5.914
5 1-Methylnaphthalene	0.69976	0.60112	0.57333	0.59404	0.63094	0.61897	0.61969	7.104
6 Dimethylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
7 Acenaphthylene	1.76463	1.61945	1.51099	1.61007	1.70647	1.73743	1.65817	5.748
9 Acenaphthene	1.00382	1.01322	0.89794	0.94982	1.00430	1.02309	0.98203	4.934
10 Dibenzofuran	1.53264	1.45734	1.32913	1.38669	1.48525	1.48803	1.44651	5.184
11 Fluorene	1.13564	1.17974	1.02653	1.06502	1.17154	1.17805	1.12609	5.806
12 Diethylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
14 Pentachlorophenol(ester)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 Phenanthrene	1.17361	1.04291	0.92905	0.95712	1.02196	1.03476	1.02657	8.301
17 Anthracene	1.11351	0.97721	0.94890	0.97457	1.06714	1.07399	1.02589	6.557
18 Di-n-butylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
19 Fluoranthene	1.22401	1.03219	0.97216	0.97724	1.04303	1.03381	1.04707	8.775
20 Pyrene	1.41389	1.29929	1.17234	1.22526	1.32300	1.27178	1.28426	6.486

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 04-AUG-2006 10:25
End Cal Date : 04-AUG-2006 12:28
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem3/nt1.i/20060804.b/simpna.m
Cal Date : 04-Aug-2006 14:06 yev
Curve Type : Average

Compound	0.10000 Level 1	0.50000 Level 2	1.000 Level 3	2.500 Level 4	5.000 Level 5	10.000 Level 6	___ RRF	% RSD
21 Butylbenzylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 Benzo(a)anthracene	1.43622	1.15219	1.08471	1.14797	1.21336	1.19178	1.20437	10.116
24 Chrysene	1.20866	1.06599	1.05663	1.06862	1.13615	1.12909	1.11086	5.291
25 Bis-2-Ethylhexylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 Di-n-octylphthalate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
28 Benzo(b)fluoranthene	1.25514	1.06653	0.99327	1.15143	1.17026	1.13589	1.12875	7.972
29 Benzo(k)fluoranthene	1.27028	1.22994	1.14696	1.06693	1.19633	1.30970	1.20336	7.277
30 Benzo(a)pyrene	1.40367	1.04692	0.96366	1.01073	1.06659	1.10759	1.09986	14.247
33 Indeno(1,2,3-cd)pyrene	1.44180	1.21286	1.12410	1.22023	1.29241	1.29763	1.26484	8.489
34 Dibenz(a,h)anthracene	1.14880	0.98346	0.89994	0.99790	1.08788	1.08172	1.03328	8.676
35 Benzo(g,h,i)perylene	1.18275	1.00751	0.92124	1.01235	1.10231	1.08228	1.05141	8.633
$ 3 2-Methylnaphthalene-d10	0.52948	0.51807	0.47369	0.50637	0.54023	0.52298	0.51514	4.511
$ 13 2,4,6-Tribromophenol(ester)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 32 Dibenz(a,h)anthrancene-d14	0.81924	0.73944	0.67786	0.75717	0.79969	0.79896	0.76539	6.816

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803a.d
Lab Smp Id: IC0803A
Inj Date : 04-AUG-2006 10:25
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803A
Misc Info : SIM2.5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 10:25 Cal File: ic0803a.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.885	6.883	(1.000)	222814	2.00000	
	2 Naphthalene	128	6.908	6.907	(1.003)	266852	2.50000	2.401
$	3 2-Methylnaphthalene-d10	152	7.641	7.640	(1.110)	141032	2.50000	2.457
	4 2-Methylnaphthalene	142	7.682	7.681	(1.116)	157963	2.50000	2.400
	5 1-Methylnaphthalene	142	7.812	7.811	(1.135)	165451	2.50000	2.397
	7 Acenaphthylene	152	8.770	8.769	(0.980)	248737	2.50000	2.427
*	8 Acenaphthene-d10	164	8.947	8.946	(1.000)	123591	2.00000	
	9 Acenaphthene	153	8.989	8.987	(1.005)	146737	2.50000	2.418
	10 Dibenzofuran	168	9.178	9.170	(1.026)	214228	2.50000	2.397
	11 Fluorene	166	9.597	9.596	(1.073)	164534	2.50000	2.364
*	15 Phenanthrene-d10	188	10.762	10.760	(1.000)	200797	2.00000	
	16 Phenanthrene	178	10.791	10.790	(1.003)	240234	2.50000	2.331
	17 Anthracene	178	10.844	10.843	(1.008)	244614	2.50000	2.375
	19 Fluoranthene	202	12.280	12.279	(1.141)	245283	2.50000	2.333
	20 Pyrene	202	12.570	12.569	(0.893)	262220	2.50000	2.385
	22 Benzo(a)anthracene	228	14.054	14.052	(0.998)	245679	2.50000	2.383
*	23 Chrysene-d12	240	14.077	14.070	(1.000)	171210	2.00000	
	24 Chrysene	228	14.107	14.105	(1.002)	228699	2.50000	2.405
	28 Benzo(b)fluoranthene	252	15.448	15.447	(0.964)	264003	2.50000	2.550(H)
	29 Benzo(k)fluoranthene	252	15.478	15.476	(0.966)	244629	2.50000	2.217(H)
	30 Benzo(a)pyrene	252	15.945	15.938	(0.995)	231742	2.50000	2.297
*	31 Perylene-d12	264	16.028	16.026	(1.000)	183426	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.990	17.988	(1.122)	279777	2.50000	2.412
$	32 Dibenz(a,h)anthrancene-d14	292	17.919	17.906	(1.118)	173606	2.50000	2.473
	34 Dibenz(a,h)anthracene	278	17.984	17.976	(1.122)	228801	2.50000	2.414
	35 Benzo(g,h,i)perylene	276	18.575	18.562	(1.159)	232114	2.50000	2.407
	48 Biphenyl	154	8.220	8.219	(0.919)	179349	2.50000	2.349

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.409	8.408	(0.940)	143614	2.50000	2.388
50 2,3,5-Trimethylnaphthalene	170	9.438	9.430	(1.055)	118790	2.50000	2.411
51 1-Methylphenanthrene	192	11.565	11.564	(0.822)	168222	2.50000	2.400
52 Benzo(e)pyrene	252	15.862	15.861	(0.990)	262653	2.50000	2.352
53 Perylene	252	16.069	16.068	(1.003)	240649	2.50000	2.295

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803a.d
Lab Smp Id: IC0803A
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM2.5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	222814	0.00
8 Acenaphthene-d10	123591	61796	247182	123591	0.00
15 Phenanthrene-d10	200797	100398	401594	200797	0.00
23 Chrysene-d12	171210	85605	342420	171210	0.00
31 Perylene-d12	183426	91713	366852	183426	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.00

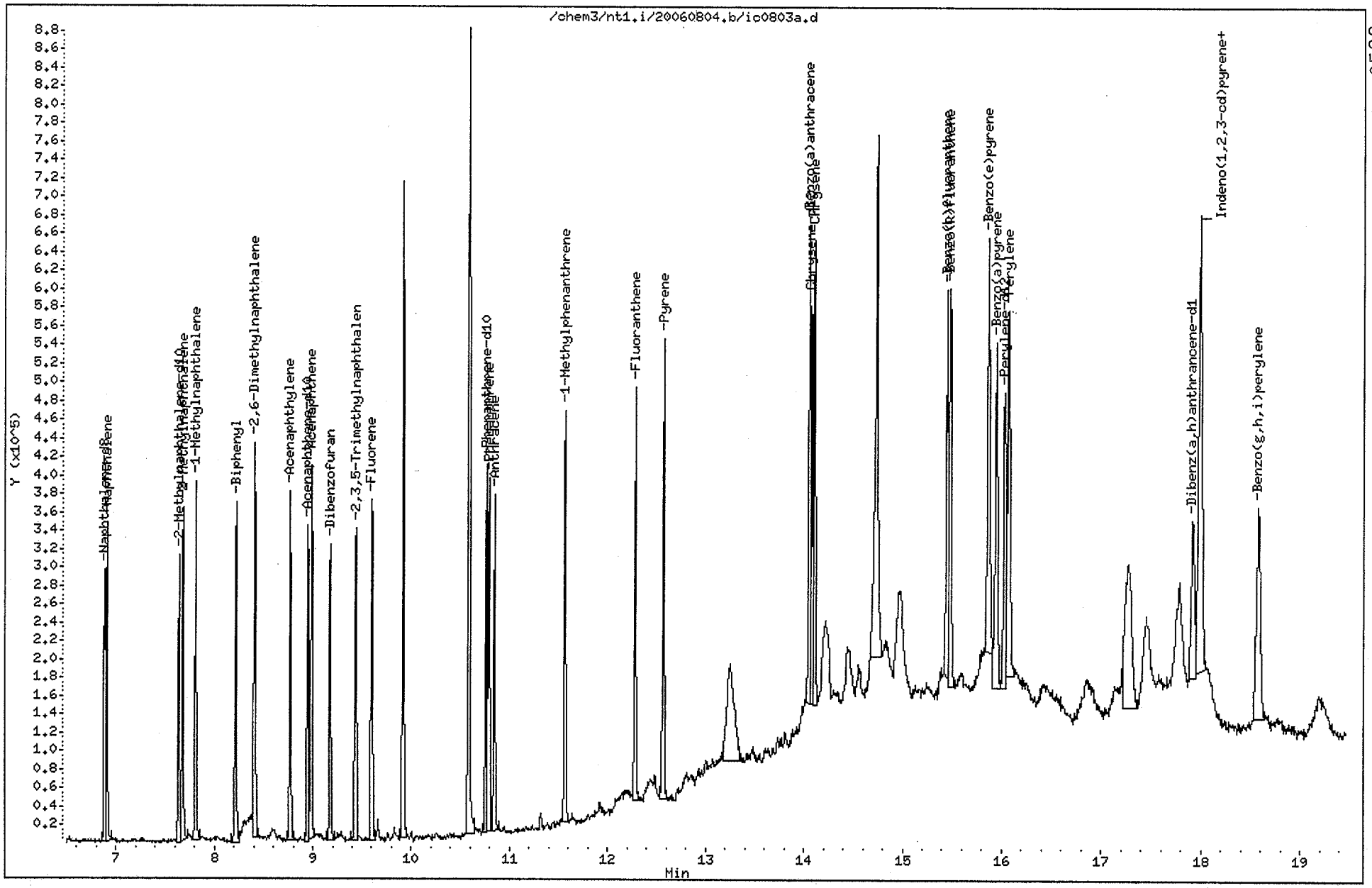
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0803a.d
Date : 04-AUG-2006 10:25
Client ID:
Sample Info: IC0803A

Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



0582

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803b.d
Lab Smp Id: IC0803B
Inj Date : 04-AUG-2006 10:49
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803B
Misc Info : SIM10
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 10:49 Cal File: ic0803b.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	258376	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	1284021	10.0000	9.963
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	675627	10.0000	10.15
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	771283	10.0000	10.11
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	799638	10.0000	9.988
	7 Acenaphthylene	152	8.769	8.769	(0.980)	1171183	10.0000	10.48
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	134818	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	689655	10.0000	10.42
	10 Dibenzofuran	168	9.176	9.170	(1.026)	1003064	10.0000	10.29
	11 Fluorene	166	9.596	9.596	(1.073)	794109	10.0000	10.46
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	213897	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	1106661	10.0000	10.08
	17 Anthracene	178	10.843	10.843	(1.008)	1148617	10.0000	10.47
	19 Fluoranthene	202	12.285	12.279	(1.142)	1105648	10.0000	9.873
	20 Pyrene	202	12.569	12.569	(0.893)	1187636	10.0000	9.903
	22 Benzo(a)anthracene	228	14.052	14.052	(0.998)	1112932	10.0000	9.895
*	23 Chrysene-d12	240	14.076	14.070	(1.000)	186768	2.00000	
	24 Chrysene	228	14.105	14.105	(1.002)	1054391	10.0000	10.16
	28 Benzo(b)fluoranthene	252	15.453	15.447	(0.964)	1080977	10.0000	10.06(H)
	29 Benzo(k)fluoranthene	252	15.483	15.476	(0.966)	1246392	10.0000	10.88
	30 Benzo(a)pyrene	252	15.949	15.938	(0.995)	1054048	10.0000	10.07
*	31 Perylene-d12	264	16.026	16.026	(1.000)	190332	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.006	17.988	(1.124)	1234898	10.0000	10.26
$	32 Dibenz(a,h)anthrancene-d14	292	17.923	17.906	(1.118)	760341	10.0000	10.44
	34 Dibenz(a,h)anthracene	278	18.000	17.976	(1.123)	1029433	10.0000	10.47
	35 Benzo(g,h,i)perylene	276	18.585	18.562	(1.160)	1029959	10.0000	10.29
	48 Biphenyl	154	8.219	8.219	(0.919)	850928	10.0000	10.22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	692409	10.0000	10.55
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	548056	10.0000	10.20
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	783271	10.0000	10.25
52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	1158385	10.0000	9.998
53 Perylene	252	16.074	16.068	(1.003)	1105890	10.0000	10.17

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803b.d
Lab Smp Id: IC0803B
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM10

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

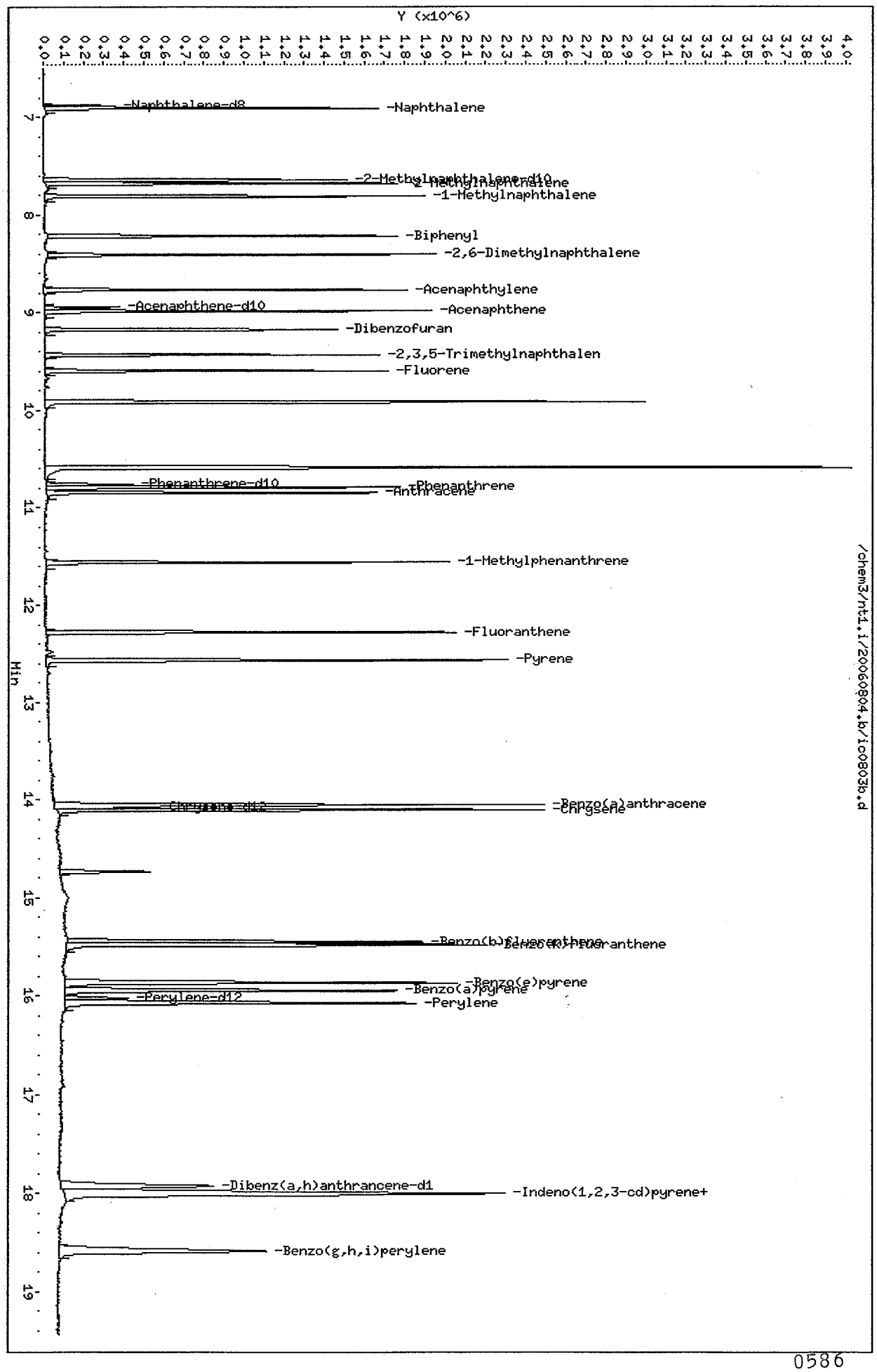
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	258376	15.96
8 Acenaphthene-d10	123591	61796	247182	134818	9.08
15 Phenanthrene-d10	200797	100398	401594	213897	6.52
23 Chrysene-d12	171210	85605	342420	186768	9.09
31 Perylene-d12	183426	91713	366852	190332	3.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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/nt1.i/20060804.b/ic0803b.d
Date : 04-AUG-2006 10:49
Client ID:
Sample Info: IC0803B
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0803c.d
Lab Smp Id: IC0803C
Inj Date : 04-AUG-2006 11:14
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803C
Misc Info : SIM.1
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 11:14 Cal File: ic0803c.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.884	6.883	(1.000)	240196	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	13507	0.10000	0.1127
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	6359	0.10000	0.1028
	4 2-Methylnaphthalene	142	7.676	7.681	(1.115)	7636	0.10000	0.1076
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	8404	0.10000	0.1129
	7 Acenaphthylene	152	8.769	8.769	(0.980)	11539	0.10000	0.1064
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	130781	2.00000	
	9 Acenaphthene	153	8.988	8.987	(1.005)	6564	0.10000	0.1022
	10 Dibenzofuran	168	9.171	9.170	(1.025)	10022	0.10000	0.1060
	11 Fluorene	166	9.596	9.596	(1.073)	7426	0.10000	0.1008
*	15 Phenanthrene-d10	188	10.755	10.760	(1.000)	214296	2.00000	
	16 Phenanthrene	178	10.784	10.790	(1.003)	12575	0.10000	0.1143
	17 Anthracene	178	10.843	10.843	(1.008)	11931	0.10000	0.1085
	19 Fluoranthene	202	12.280	12.279	(1.142)	13115	0.10000	0.1169
	20 Pyrene	202	12.569	12.569	(0.893)	13489	0.10000	0.1101
	22 Benzo(a)anthracene	228	14.047	14.052	(0.998)	13702	0.10000	0.1193
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	190807	2.00000	
	24 Chrysene	228	14.100	14.105	(1.002)	11531	0.10000	0.1088
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	12016	0.10000	0.1112(H)
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	12161	0.10000	0.1056
	30 Benzo(a)pyrene	252	15.938	15.938	(0.995)	13438	0.10000	0.1276
*	31 Perylene-d12	264	16.021	16.026	(1.000)	191469	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.983	17.988	(1.122)	13803	0.10000	0.1140
$	32 Dibenz(a,h)anthrancene-d14	292	17.906	17.906	(1.118)	7843	0.10000	0.1070
	34 Dibenz(a,h)anthracene	278	17.977	17.976	(1.122)	10998	0.10000	0.1112
	35 Benzo(g,h,i)perylene	276	18.562	18.562	(1.159)	11323	0.10000	0.1125
	48 Biphenyl	154	8.213	8.219	(0.918)	8627	0.10000	0.1068

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	6507	0.10000	0.1022
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	5521	0.10000	0.1059
51 1-Methylphenanthrene	192	11.558	11.564	(0.821)	7722	0.10000	0.09887
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	14656	0.10000	0.1257
53 Perylene	252	16.062	16.068	(1.003)	13701	0.10000	0.1252

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0803c.d
Lab Smp Id: IC0803C
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM.1

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

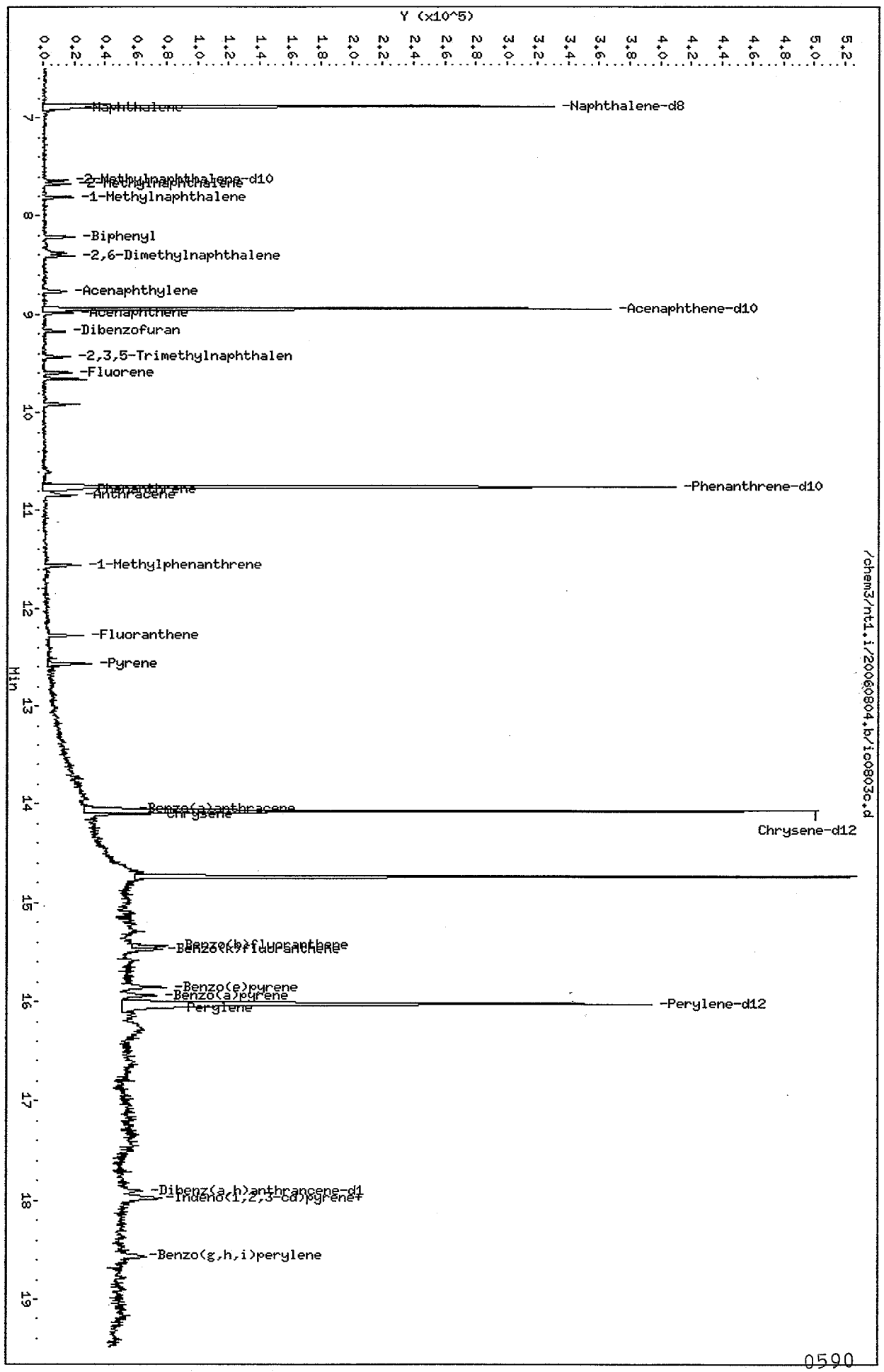
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	240196	7.80
8 Acenaphthene-d10	123591	61796	247182	130781	5.82
15 Phenanthrene-d10	200797	100398	401594	214296	6.72
23 Chrysene-d12	171210	85605	342420	190807	11.45
31 Perylene-d12	183426	91713	366852	191469	4.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.01
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.75	-0.06
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.02	-0.04

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/nt1.i/20060804.b/ic0803c.d
Date : 04-AUG-2006 11:14
Client ID:
Sample Info: IC0803C
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0590

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0804d.d
Lab Smp Id: IC0803D
Inj Date : 04-AUG-2006 11:39
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803D
Misc Info : SIM5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 11:39 Cal File: ic0804d.d
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	245793	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	615146	5.00000	5.017
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	331961	5.00000	5.244
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	364409	5.00000	5.019
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	387701	5.00000	5.091
	7 Acenaphthylene	152	8.769	8.769	(0.980)	575026	5.00000	5.146
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	134787	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	338418	5.00000	5.113
	10 Dibenzofuran	168	9.176	9.170	(1.026)	500480	5.00000	5.134
	11 Fluorene	166	9.596	9.596	(1.073)	394771	5.00000	5.202
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	216386	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	552843	5.00000	4.978
	17 Anthracene	178	10.843	10.843	(1.008)	577287	5.00000	5.201
	19 Fluoranthene	202	12.279	12.279	(1.141)	564245	5.00000	4.981
	20 Pyrene	202	12.569	12.569	(0.893)	606835	5.00000	5.151
	22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	556548	5.00000	5.037
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	183473	2.00000	
	24 Chrysene	228	14.105	14.105	(1.003)	521133	5.00000	5.114
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	574952	5.00000	5.184(H)
	29 Benzo(k)fluoranthene	252	15.477	15.476	(0.966)	587760	5.00000	4.971
	30 Benzo(a)pyrene	252	15.944	15.938	(0.995)	524018	5.00000	4.849
*	31 Perylene-d12	264	16.026	16.026	(1.000)	196521	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.994	17.988	(1.123)	634963	5.00000	5.109
$	32 Dibenz(a,h)anthrancene-d14	292	17.918	17.906	(1.118)	392891	5.00000	5.224
	34 Dibenz(a,h)anthracene	278	17.988	17.976	(1.122)	534480	5.00000	5.264
	35 Benzo(g,h,i)perylene	276	18.579	18.562	(1.159)	541568	5.00000	5.242
	48 Biphenyl	154	8.219	8.219	(0.919)	429172	5.00000	5.153

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	339145	5.00000	5.171
50 2,3,5-Trimethylnaphthalene	170	9.437	9.430	(1.055)	280157	5.00000	5.215
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	408278	5.00000	5.436
52 Benzo(e)pyrene	252	15.867	15.861	(0.990)	590838	5.00000	4.939
53 Perylene	252	16.068	16.068	(1.003)	569254	5.00000	5.068

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0804d.d
Lab Smp Id: IC0803D
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

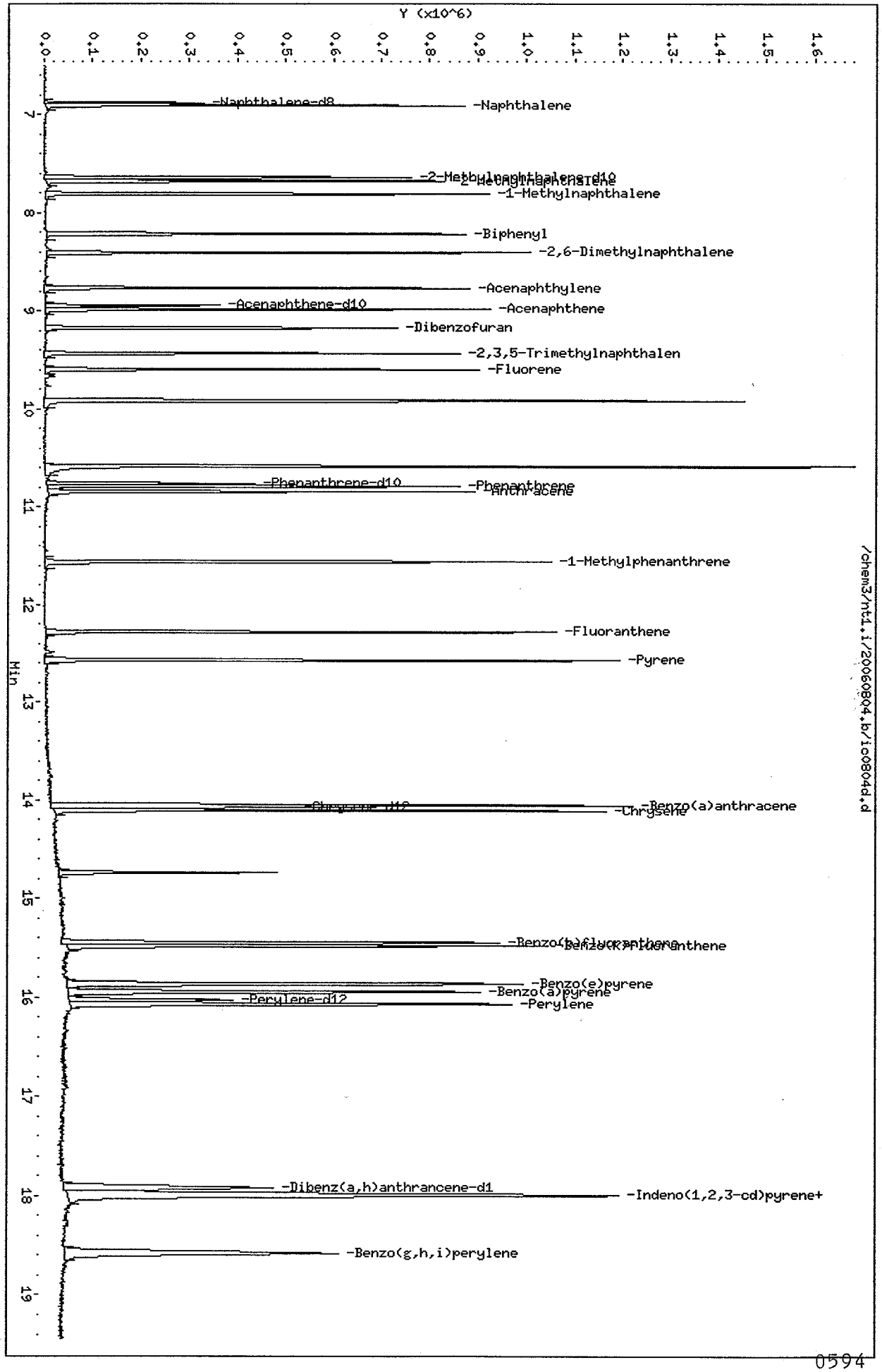
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	245793	10.31
8 Acenaphthene-d10	123591	61796	247182	134787	9.06
15 Phenanthrene-d10	200797	100398	401594	216386	7.76
23 Chrysene-d12	171210	85605	342420	183473	7.16
31 Perylene-d12	183426	91713	366852	196521	7.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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/nt1.i/20060804.b/ic08044.d
Date : 04-AUG-2006 11:39
Client ID:
Sample Info: IC08030
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0805e.d
Lab Smp Id: IC0803E
Inj Date : 04-AUG-2006 12:04
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803E
Misc Info : SIM1
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:04 Cal File: ic0805e.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.883	6.883	(1.000)	305770	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	137362	1.00000	0.9006
$	3 2-Methylnaphthalene-d10	152	7.639	7.640	(1.110)	72420	1.00000	0.9195
	4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	82089	1.00000	0.9089
	5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	87654	1.00000	0.9252
	7 Acenaphthylene	152	8.768	8.769	(0.980)	125504	1.00000	0.9112
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	166121	2.00000	
	9 Acenaphthene	153	8.987	8.987	(1.005)	74583	1.00000	0.9144
	10 Dibenzofuran	168	9.176	9.170	(1.026)	110398	1.00000	0.9189
	11 Fluorene	166	9.596	9.596	(1.073)	85264	1.00000	0.9116
*	15 Phenanthrene-d10	188	10.760	10.760	(1.000)	269899	2.00000	
	16 Phenanthrene	178	10.790	10.790	(1.003)	125375	1.00000	0.9050
	17 Anthracene	178	10.843	10.843	(1.008)	128053	1.00000	0.9250
	19 Fluoranthene	202	12.279	12.279	(1.141)	131192	1.00000	0.9285
	20 Pyrene	202	12.568	12.569	(0.893)	138272	1.00000	0.9129
	22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	127937	1.00000	0.9006
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	235891	2.00000	
	24 Chrysene	228	14.105	14.105	(1.003)	124625	1.00000	0.9512
	28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	119023	1.00000	0.8800
	29 Benzo(k)fluoranthene	252	15.476	15.476	(0.966)	137439	1.00000	0.9531
	30 Benzo(a)pyrene	252	15.943	15.938	(0.995)	115475	1.00000	0.8762
*	31 Perylene-d12	264	16.026	16.026	(1.000)	239658	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.982	17.988	(1.122)	134700	1.00000	0.8887
$	32 Dibenz(a,h)anthrancene-d14	292	17.911	17.906	(1.118)	81227	1.00000	0.8856
	34 Dibenz(a,h)anthracene	278	17.982	17.976	(1.122)	107839	1.00000	0.8710
	35 Benzo(g,h,i)perylene	276	18.567	18.562	(1.159)	110391	1.00000	0.8762
	48 Biphenyl	154	8.219	8.219	(0.919)	96852	1.00000	0.9436

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	75459	1.00000	0.9335
50 2,3,5-Trimethylnaphthalene	170	9.436	9.430	(1.055)	60932	1.00000	0.9202
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	89683	1.00000	0.9288
52 Benzo(e)pyrene	252	15.860	15.861	(0.990)	129005	1.00000	0.8843
53 Perylene	252	16.067	16.068	(1.003)	115802	1.00000	0.8454

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0805e.d
Lab Smp Id: IC0803E
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM1

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

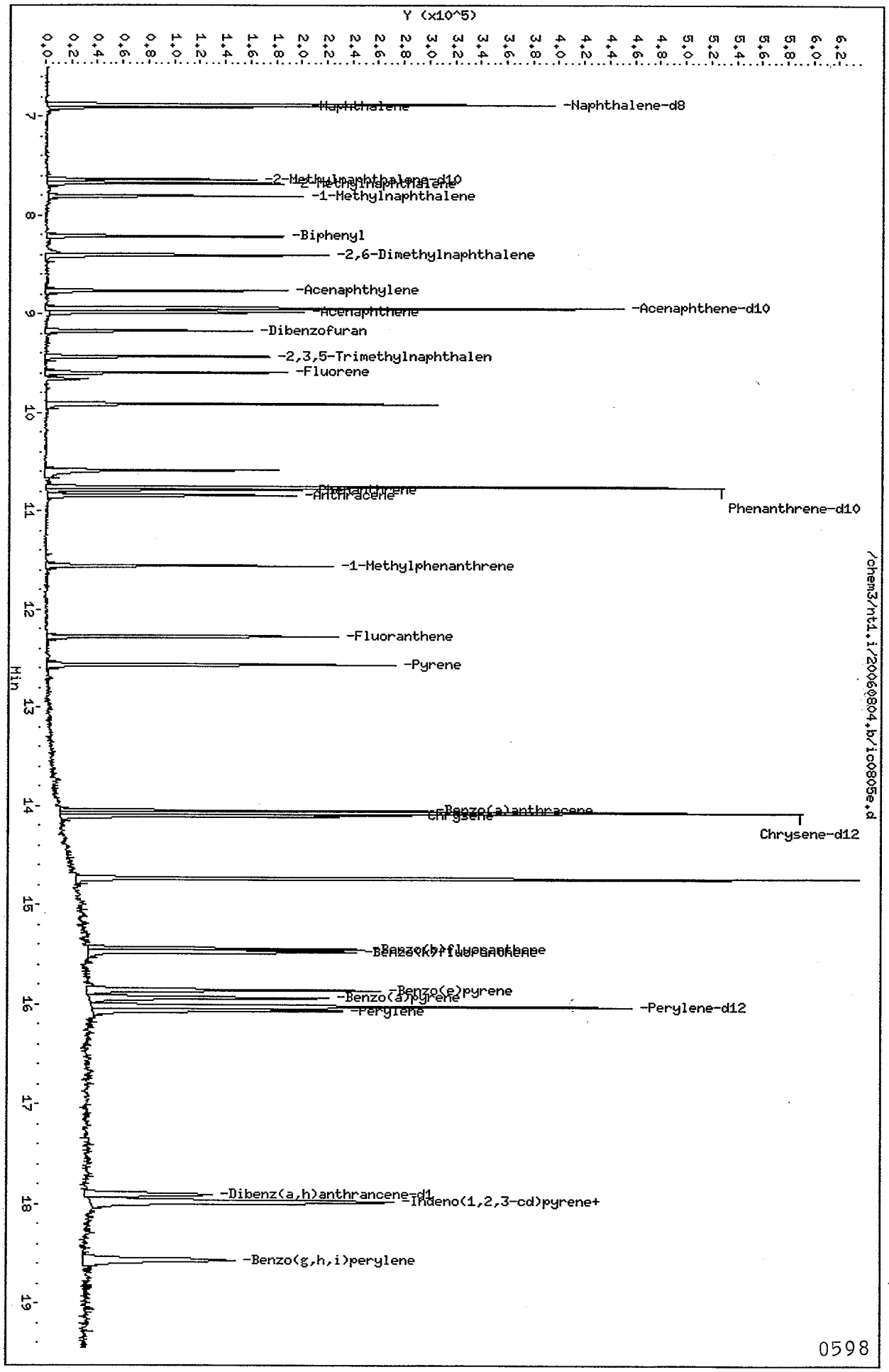
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	305770	37.23
8 Acenaphthene-d10	123591	61796	247182	166121	34.41
15 Phenanthrene-d10	200797	100398	401594	269899	34.41
23 Chrysene-d12	171210	85605	342420	235891	37.78
31 Perylene-d12	183426	91713	366852	239658	30.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.02
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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/nt1.i/20060804.b/ic0805e.d
Date : 04-AUG-2006 12:04
Client ID:
Sample Info: IC0803E
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0598

YZ 8/4/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060804.b/ic0806f.d
Lab Smp Id: IC0803F
Inj Date : 04-AUG-2006 12:28
Operator : VTS Inst ID: nt1.i
Smp Info : IC0803F
Misc Info : SIM0.5
Comment : 1ul Injection
Method : /chem3/nt1.i/20060804.b/simpna.m
Meth Date : 04-Aug-2006 14:06 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
* 1 Naphthalene-d8	136	6.883	6.883	(1.000)	245095	2.00000	
2 Naphthalene	128	6.907	6.907	(1.003)	61844	0.50000	0.5059
$ 3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	31744	0.50000	0.5028
4 2-Methylnaphthalene	142	7.681	7.681	(1.116)	37667	0.50000	0.5203
5 1-Methylnaphthalene	142	7.811	7.811	(1.135)	36833	0.50000	0.4850
7 Acenaphthylene	152	8.769	8.769	(0.980)	53344	0.50000	0.4883
* 8 Acenaphthene-d10	164	8.946	8.946	(1.000)	131758	2.00000	
9 Acenaphthene	153	8.987	8.987	(1.005)	33375	0.50000	0.5159
10 Dibenzofuran	168	9.170	9.170	(1.025)	48004	0.50000	0.5037
11 Fluorene	166	9.596	9.596	(1.073)	38860	0.50000	0.5238
* 15 Phenanthrene-d10	188	10.760	10.760	(1.000)	219114	2.00000	
16 Phenanthrene	178	10.790	10.790	(1.003)	57129	0.50000	0.5080
17 Anthracene	178	10.843	10.843	(1.008)	53530	0.50000	0.4763
19 Fluoranthene	202	12.279	12.279	(1.141)	56542	0.50000	0.4929
20 Pyrene	202	12.569	12.569	(0.893)	62209	0.50000	0.5059
22 Benzo(a)anthracene	228	14.052	14.052	(0.999)	55166	0.50000	0.4783
* 23 Chrysene-d12	240	14.070	14.070	(1.000)	191517	2.00000	
24 Chrysene	228	14.105	14.105	(1.003)	51039	0.50000	0.4798
28 Benzo(b)fluoranthene	252	15.447	15.447	(0.964)	52637	0.50000	0.4724
29 Benzo(k)fluoranthene	252	15.476	15.476	(0.966)	60702	0.50000	0.5110
30 Benzo(a)pyrene	252	15.938	15.938	(0.994)	51669	0.50000	0.4759
* 31 Perylene-d12	264	16.026	16.026	(1.000)	197414	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.988	17.988	(1.122)	59859	0.50000	0.4795
$ 32 Dibenz(a,h)anthrancene-d14	292	17.906	17.906	(1.117)	36494	0.50000	0.4830
34 Dibenz(a,h)anthracene	278	17.976	17.976	(1.122)	48537	0.50000	0.4759
35 Benzo(g,h,i)perylene	276	18.562	18.562	(1.158)	49724	0.50000	0.4791
48 Biphenyl	154	8.219	8.219	(0.919)	40581	0.50000	0.4985

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	32039	0.50000	0.4997
50 2,3,5-Trimethylnaphthalene	170	9.430	9.430	(1.054)	26081	0.50000	0.4966
51 1-Methylphenanthrene	192	11.564	11.564	(0.822)	39611	0.50000	0.5053
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	55863	0.50000	0.4649
53 Perylene	252	16.068	16.068	(1.003)	53834	0.50000	0.4771

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: ic0806f.d
Lab Smp Id: IC0803F
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060804.b/simpna.m
Misc Info: SIM0.5

Calibration Date: 04-AUG-2006
Calibration Time: 10:25

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	222814	111407	445628	245095	10.00
8 Acenaphthene-d10	123591	61796	247182	131758	6.61
15 Phenanthrene-d10	200797	100398	401594	219114	9.12
23 Chrysene-d12	171210	85605	342420	191517	11.86
31 Perylene-d12	183426	91713	366852	197414	7.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	-0.02
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.07	-0.05
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

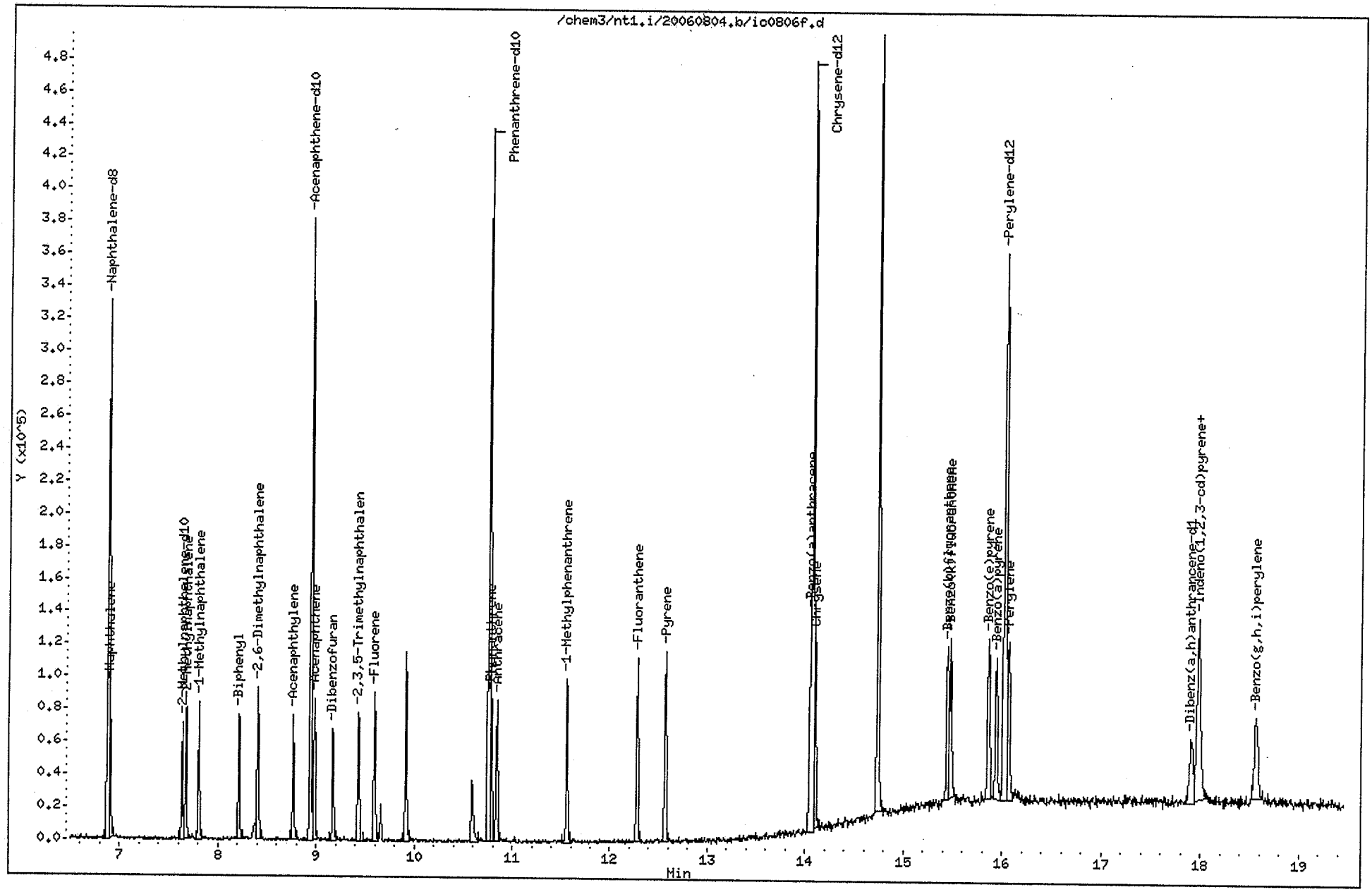
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060804.b/ic0806f.d
Date : 04-AUG-2006 12:28
Client ID:
Sample Info: IC0803F

Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT1 — Cont. Calib. Date: 08/07/06

Init. Calib. Date: 08/04/06 — Cont. Calib. Time: 1039

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.985	0.100	1.3	
2-Methylnaphthalene	0.591	0.572	0.100	3.2	
Acenaphthylene	1.658	1.596	0.100	3.7	
Acenaphthene	0.982	0.950	0.100	3.2	20.0
Dibenzofuran	1.446	1.405	0.100	2.8	
Fluorene	1.126	1.108	0.100	1.6	
Phenanthrene	1.027	0.971	0.100	5.4	
Anthracene	1.026	1.000	0.100	2.5	
Fluoranthene	1.047	1.013	0.100	3.2	20.0
Pyrene	1.284	1.209	0.100	5.8	
Benzo(a)anthracene	1.204	1.142	0.100	5.1	
Chrysene	1.111	1.068	0.100	3.9	
Benzo(b)fluoranthene	1.128	1.034	0.100	8.3	
Benzo(k)fluoranthene	1.203	1.240	0.100	-3.1	
Benzo(a)pyrene	1.100	1.017	0.100	7.5	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.170	0.100	7.5	
Dibenz(a,h)anthracene	1.033	0.957	0.100	7.4	
Benzo(g,h,i)perylene	1.051	0.989	0.100	5.9	
1-Methylnaphthalene	0.620	0.601	0.100	3.1	
Biphenyl	1.236	1.157	0.100	6.4	
2,6-Dimethylnaphthalene	0.973	0.930	0.100	4.4	
2,3,5-Trimethylnaphthalene	0.797	0.781	0.100	2.0	
1-Methylphenanthrene	0.818	0.783	0.100	4.3	
Benzo(e)pyrene	1.217	1.121	0.100	7.9	
Perylene	1.143	1.062	0.100	7.1	
2-Methylnaphthalene-d10	0.515	0.503	0.100	2.3	
Dibenz(a,h)anthrancene-d14	0.765	0.734	0.100	4.0	

<- Outside QC limits

FORM VII SV-1

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i
Lab File ID: cc0807.d
Analysis Type:
Lab Sample ID: CC0807
Method: /chem3/nt1.i/20060807.b/simpna.m

Injection Date: 07-AUG-2006 10:39
Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Init. Cal. Times: 10:25 12:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.98529	0.010	1.23350	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.50273	0.010	2.40812	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.57203	0.010	3.17335	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.60094	0.010	3.02584	20.00000	Averaged
7 Acenaphthylene	1.65817	1.59593	0.010	3.75404	20.00000	Averaged
9 Acenaphthene	0.98203	0.94998	0.010	3.26371	20.00000	Averaged
10 Dibenzofuran	1.44651	1.40462	0.010	2.89598	20.00000	Averaged
11 Fluorene	1.12609	1.10796	0.010	1.60953	20.00000	Averaged
16 Phenanthrene	1.02657	0.97111	0.010	5.40243	20.00000	Averaged
17 Anthracene	1.02589	0.99975	0.010	2.54760	20.00000	Averaged
19 Fluoranthene	1.04707	1.01276	0.010	3.27733	20.00000	Averaged
20 Pyrene	1.28426	1.20942	0.010	5.82705	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.14185	0.010	5.19097	20.00000	Averaged
24 Chrysene	1.11086	1.06788	0.010	3.86896	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.03378	0.010	8.41415	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.23989	0.010	-3.03563	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	1.01663	0.010	7.56768	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.16990	0.010	7.50568	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.73452	0.010	4.03364	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	0.95682	0.010	7.40034	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	0.98874	0.010	5.96016	20.00000	Averaged
48 Biphenyl	1.23570	1.15672	0.010	6.39137	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.93000	0.010	4.44419	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.78128	0.010	1.99350	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.78321	0.010	4.33071	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.12091	0.010	7.93032	20.00000	Averaged
53 Perylene	1.14310	1.06153	0.010	7.13580	20.00000	Averaged

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/cc0807.d
Lab Smp Id: CC0807
Inj Date : 07-AUG-2006 10:39
Operator : YZ Inst ID: nt1.i
Smp Info : CC0807
Misc Info : SIM10
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.891	6.891	(1.000)	231039	2.00000	
	2 Naphthalene	128	6.915	6.915	(1.003)	284549	2.50000	2.469
$	3 2-Methylnaphthalene-d10	152	7.648	7.648	(1.110)	145188	2.50000	2.440
	4 2-Methylnaphthalene	142	7.683	7.683	(1.115)	165202	2.50000	2.421
	5 1-Methylnaphthalene	142	7.813	7.813	(1.134)	173551	2.50000	2.424
	7 Acenaphthylene	152	8.771	8.771	(0.980)	257605	2.50000	2.406
*	8 Acenaphthene-d10	164	8.954	8.954	(1.000)	129131	2.00000	
	9 Acenaphthene	153	8.989	8.989	(1.004)	153340	2.50000	2.418
	10 Dibenzofuran	168	9.178	9.178	(1.025)	226726	2.50000	2.428
	11 Fluorene	166	9.604	9.604	(1.073)	178841	2.50000	2.460
*	15 Phenanthrene-d10	188	10.762	10.762	(1.000)	212850	2.00000	
	16 Phenanthrene	178	10.792	10.792	(1.003)	258376	2.50000	2.365
	17 Anthracene	178	10.851	10.851	(1.008)	265997	2.50000	2.436
	19 Fluoranthene	202	12.287	12.287	(1.142)	269458	2.50000	2.418
	20 Pyrene	202	12.577	12.577	(0.893)	288473	2.50000	2.354
	22 Benzo(a)anthracene	228	14.054	14.054	(0.998)	272356	2.50000	2.370
*	23 Chrysene-d12	240	14.078	14.078	(1.000)	190817	2.00000	
	24 Chrysene	228	14.107	14.107	(1.002)	254712	2.50000	2.403
	28 Benzo(b)fluoranthene	252	15.455	15.455	(0.964)	255333	2.50000	2.290
	29 Benzo(k)fluoranthene	252	15.484	15.484	(0.966)	306241	2.50000	2.576
	30 Benzo(a)pyrene	252	15.951	15.951	(0.995)	251097	2.50000	2.311
*	31 Perylene-d12	264	16.034	16.034	(1.000)	197592	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	18.002	18.002	(1.123)	288955	2.50000	2.312
$	32 Dibenz(a,h)anthrancene-d14	292	17.931	17.931	(1.118)	181420	2.50000	2.399
	34 Dibenz(a,h)anthracene	278	17.996	17.996	(1.122)	236325	2.50000	2.315
	35 Benzo(g,h,i)perylene	276	18.581	18.581	(1.159)	244209	2.50000	2.351
	48 Biphenyl	154	8.221	8.221	(0.918)	186712	2.50000	2.340

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.416	8.416	(0.940)	150114	2.50000	2.389
50 2,3,5-Trimethylnaphthalene	170	9.438	9.438	(1.054)	126110	2.50000	2.450
51 1-Methylphenanthrene	192	11.566	11.566	(0.822)	186813	2.50000	2.392
52 Benzo(e)pyrene	252	15.869	15.869	(0.990)	276853	2.50000	2.302
53 Perylene	252	16.075	16.075	(1.003)	262189	2.50000	2.322

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0807.d
Lab Smp Id: CC0807
Analysis Type: SV
Quant Type: ISTD
Operator: YZ
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: SIM10

Calibration Date: 07-AUG-2006
Calibration Time: 10:39

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	231039	0.00
8 Acenaphthene-d10	129131	64566	258262	129131	0.00
15 Phenanthrene-d10	212850	106425	425700	212850	0.00
23 Chrysene-d12	190817	95408	381634	190817	0.00
31 Perylene-d12	197592	98796	395184	197592	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	0.00
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.00
31 Perylene-d12	16.03	15.53	16.53	16.03	0.00

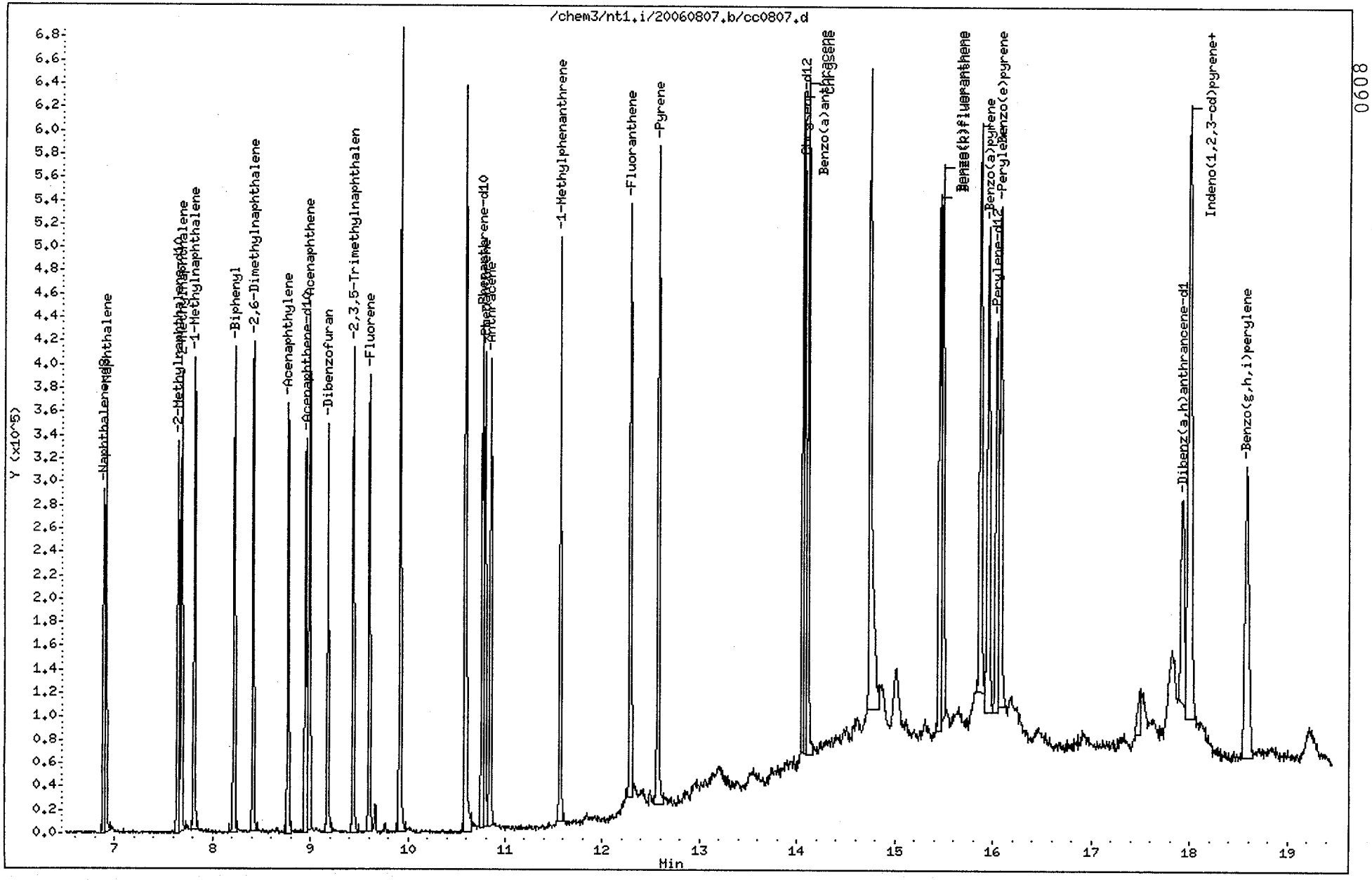
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem3/nt1.i/20060807.b/cc0807.d
Date : 07-AUG-2006 10:39
Client ID:
Sample Info: CC0807

Column phase: ZB-5

Instrument: nt1.i

Operator: YZ
Column diameter: 0.25



0608

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT1 — Cont. Calib. Date: 08/08/06

Init. Calib. Date: 08/04/06 — Cont. Calib. Time: 0927

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.982	0.100	1.6	
2-Methylnaphthalene	0.591	0.555	0.100	6.1	
Acenaphthylene	1.658	1.647	0.100	0.7	
Acenaphthene	0.982	0.941	0.100	4.2	20.0
Dibenzofuran	1.446	1.377	0.100	4.8	
Fluorene	1.126	1.082	0.100	3.9	
Phenanthrene	1.027	0.989	0.100	3.7	
Anthracene	1.026	0.996	0.100	2.9	
Fluoranthene	1.047	1.035	0.100	1.1	20.0
Pyrene	1.284	1.214	0.100	5.4	
Benzo(a)anthracene	1.204	1.120	0.100	7.0	
Chrysene	1.111	1.076	0.100	3.2	
Benzo(b)fluoranthene	1.128	1.080	0.100	4.2	
Benzo(k)fluoranthene	1.203	1.162	0.100	3.4	
Benzo(a)pyrene	1.100	0.996	0.100	9.4	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.148	0.100	9.2	
Dibenz(a,h)anthracene	1.033	0.973	0.100	5.8	
Benzo(g,h,i)perylene	1.051	0.990	0.100	5.8	
1-Methylnaphthalene	0.620	0.574	0.100	7.4	
Biphenyl	1.236	1.182	0.100	4.4	
2,6-Dimethylnaphthalene	0.973	0.963	0.100	1.0	
2,3,5-Trimethylnaphthalene	0.797	0.757	0.100	5.0	
1-Methylphenanthrene	0.818	0.787	0.100	3.8	
Benzo(e)pyrene	1.217	1.119	0.100	8.0	
Perylene	1.143	1.030	0.100	9.9	
2-Methylnaphthalene-d10	0.515	0.489	0.100	5.0	
Dibenz(a,h)anthrancene-d14	0.765	0.730	0.100	4.6	

<- Outside QC limits

FORM VII SV-1

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060808.b/cc0808.d
Lab Smp Id: CC0808
Inj Date : 08-AUG-2006 09:27
Operator : VTS Inst ID: nt1.i
Smp Info : CC0808
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt1.i/20060808.b/simpna.m
Meth Date : 08-Aug-2006 10:25 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.884	6.884	(1.000)	260380	2.00000	
	2 Naphthalene	128	6.907	6.907	(1.003)	319778	2.50000	2.462
$	3 2-Methylnaphthalene-d10	152	7.640	7.640	(1.110)	159108	2.50000	2.372
	4 2-Methylnaphthalene	142	7.676	7.676	(1.115)	180528	2.50000	2.347
	5 1-Methylnaphthalene	142	7.806	7.806	(1.134)	186785	2.50000	2.315
	7 Acenaphthylene	152	8.763	8.763	(0.980)	279347	2.50000	2.483
*	8 Acenaphthene-d10	164	8.946	8.946	(1.000)	135690	2.00000	
	9 Acenaphthene	153	8.982	8.982	(1.004)	159675	2.50000	2.397
	10 Dibenzofuran	168	9.171	9.171	(1.025)	233581	2.50000	2.380
	11 Fluorene	166	9.596	9.596	(1.073)	183581	2.50000	2.403
*	15 Phenanthrene-d10	188	10.755	10.755	(1.000)	210931	2.00000	
	16 Phenanthrene	178	10.784	10.784	(1.003)	260704	2.50000	2.408
	17 Anthracene	178	10.843	10.843	(1.008)	262651	2.50000	2.428
	19 Fluoranthene	202	12.280	12.280	(1.142)	272938	2.50000	2.472
	20 Pyrene	202	12.569	12.569	(0.893)	289265	2.50000	2.364
	22 Benzo(a)anthracene	228	14.047	14.047	(0.998)	266824	2.50000	2.325
*	23 Chrysene-d12	240	14.070	14.070	(1.000)	190595	2.00000	
	24 Chrysene	228	14.100	14.100	(1.002)	256254	2.50000	2.421
	28 Benzo(b)fluoranthene	252	15.441	15.441	(0.964)	261774	2.50000	2.393
	29 Benzo(k)fluoranthene	252	15.477	15.477	(0.966)	281641	2.50000	2.415
	30 Benzo(a)pyrene	252	15.938	15.938	(0.995)	241283	2.50000	2.264
*	31 Perylene-d12	264	16.021	16.021	(1.000)	193807	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.989	17.989	(1.123)	278016	2.50000	2.268
$	32 Dibenz(a,h)anthrancene-d14	292	17.912	17.912	(1.118)	176777	2.50000	2.383
	34 Dibenz(a,h)anthracene	278	17.977	17.977	(1.122)	235825	2.50000	2.355
	35 Benzo(g,h,i)perylene	276	18.568	18.568	(1.159)	239948	2.50000	2.355
	48 Biphenyl	154	8.213	8.213	(0.918)	200499	2.50000	2.392

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.408	8.408	(0.940)	163394	2.50000	2.475
50 2,3,5-Trimethylnaphthalene	170	9.431	9.431	(1.054)	128455	2.50000	2.375
51 1-Methylphenanthrene	192	11.559	11.559	(0.821)	187593	2.50000	2.405
52 Benzo(e)pyrene	252	15.861	15.861	(0.990)	271174	2.50000	2.299
53 Perylene	252	16.068	16.068	(1.003)	249493	2.50000	2.252

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0808.d
Lab Smp Id: CC0808
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060808.b/simpna.m
Misc Info:

Calibration Date: 08-AUG-2006
Calibration Time: 09:27

Level:
Sample Type:

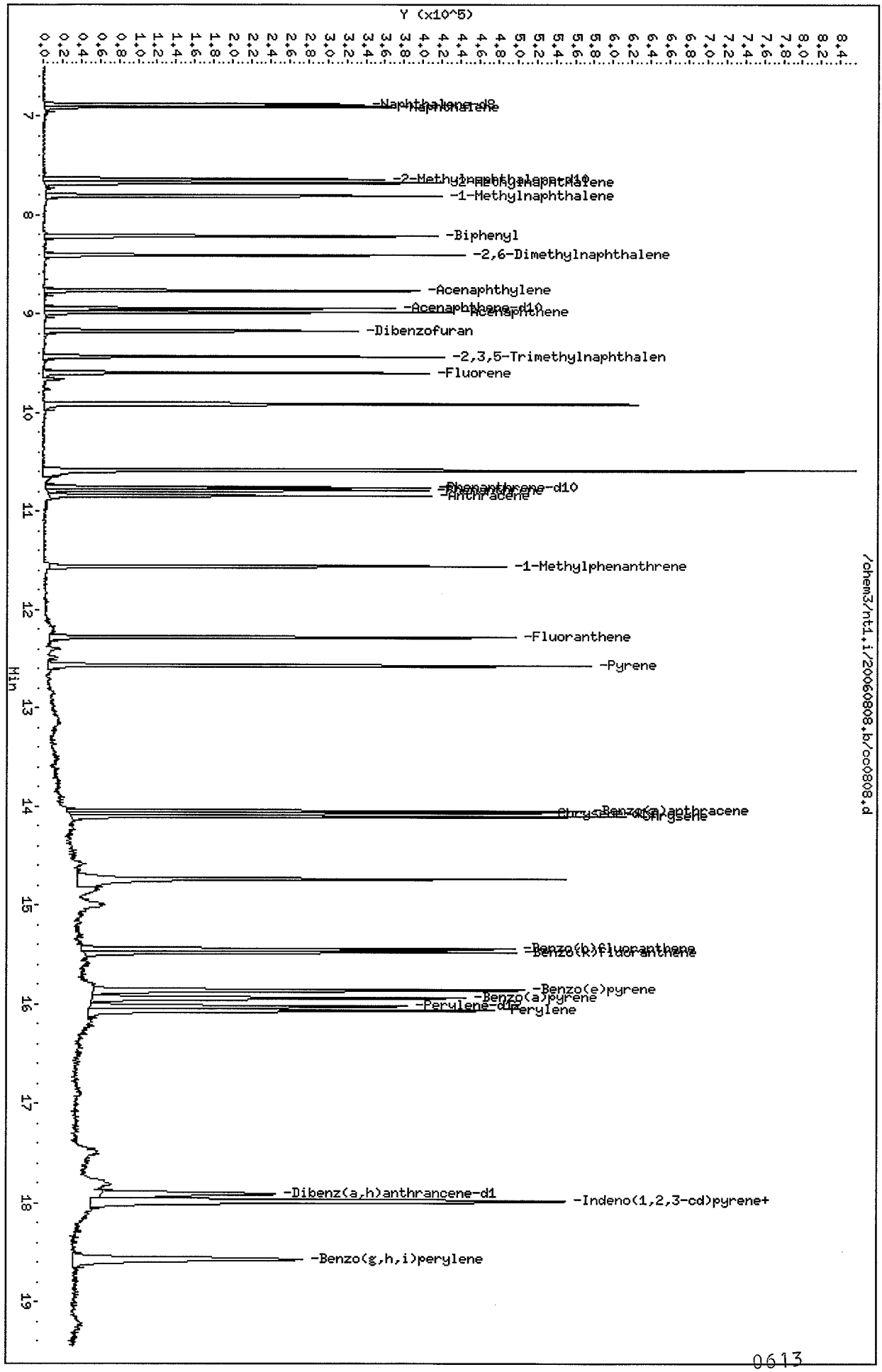
COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	260380	130190	520760	260380	0.00
8 Acenaphthene-d10	135690	67845	271380	135690	0.00
15 Phenanthrene-d10	210931	105466	421862	210931	0.00
23 Chrysene-d12	190595	95298	381190	190595	0.00
31 Perylene-d12	193807	96904	387614	193807	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.88	0.00
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	0.00
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.00
23 Chrysene-d12	14.07	13.57	14.57	14.07	0.00
31 Perylene-d12	16.02	15.52	16.52	16.02	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/nt1.i/20060808.b/cc0808.d
Date : 08-AUG-2006 09:27
Client ID:
Sample Info: CC0808
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0613

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: CC0808
Method: /chem3/nt1.i/20060808.b/simpna.m

Injection Date: 08-AUG-2006 09:27
Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Init. Cal. Times: 10:25 12:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.98250	0.010	1.51324	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.48885	0.010	5.10275	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.55466	0.010	6.11408	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.57389	0.010	7.39214	20.00000	Averaged
7 Acenaphthylene	1.65817	1.64697	0.010	0.67596	20.00000	Averaged
9 Acenaphthene	0.98203	0.94141	0.010	4.13684	20.00000	Averaged
10 Dibenzofuran	1.44651	1.37714	0.010	4.79588	20.00000	Averaged
11 Fluorene	1.12609	1.08235	0.010	3.88354	20.00000	Averaged
16 Phenanthrene	1.02657	0.98877	0.010	3.68156	20.00000	Averaged
17 Anthracene	1.02589	0.99616	0.010	2.89788	20.00000	Averaged
19 Fluoranthene	1.04707	1.03517	0.010	1.13657	20.00000	Averaged
20 Pyrene	1.28426	1.21415	0.010	5.45865	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.11996	0.010	7.00843	20.00000	Averaged
24 Chrysene	1.11086	1.07559	0.010	3.17449	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.08056	0.010	4.26999	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.16256	0.010	3.39022	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	0.99597	0.010	9.44567	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.14760	0.010	9.26923	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.72971	0.010	4.66292	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	0.97344	0.010	5.79132	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	0.99046	0.010	5.79629	20.00000	Averaged
48 Biphenyl	1.23570	1.18209	0.010	4.33840	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.96334	0.010	1.01844	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.75734	0.010	4.99652	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.78740	0.010	3.81908	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.11936	0.010	8.05785	20.00000	Averaged
53 Perylene	1.14310	1.02986	0.010	9.90664	20.00000	Averaged

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR ENVIRONMENTAL

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT1 — Cont. Calib. Date: 08/10/06

Init. Calib. Date: 08/04/06 — Cont. Calib. Time: 1323

COMPOUND	$\overline{RRF}$	RRF2.5	MIN RRF	%D	MAX %D
Naphthalene	0.998	0.942	0.100	5.6	
2-Methylnaphthalene	0.591	0.531	0.100	10.2	
Acenaphthylene	1.658	1.622	0.100	2.2	
Acenaphthene	0.982	0.937	0.100	4.6	20.0
Dibenzofuran	1.446	1.347	0.100	6.8	
Fluorene	1.126	1.076	0.100	4.4	
Phenanthrene	1.027	0.978	0.100	4.8	
Anthracene	1.026	0.976	0.100	4.9	
Fluoranthene	1.047	0.958	0.100	8.5	20.0
Pyrene	1.284	1.292	0.100	-0.6	
Benzo(a)anthracene	1.204	1.136	0.100	5.6	
Chrysene	1.111	1.056	0.100	5.0	
Benzo(b)fluoranthene	1.128	1.012	0.100	10.3	
Benzo(k)fluoranthene	1.203	1.230	0.100	-2.2	
Benzo(a)pyrene	1.100	0.972	0.100	11.6	20.0
Indeno(1,2,3-cd)pyrene	1.265	1.263	0.100	0.2	
Dibenz(a,h)anthracene	1.033	1.027	0.100	0.6	
Benzo(g,h,i)perylene	1.051	1.121	0.100	-6.7	
1-Methylnaphthalene	0.620	0.532	0.100	14.2	
Biphenyl	1.236	1.169	0.100	5.4	
2,6-Dimethylnaphthalene	0.973	0.912	0.100	6.3	
2,3,5-Trimethylnaphthalene	0.797	0.746	0.100	6.4	
1-Methylphenanthrene	0.818	0.874	0.100	-6.8	
Benzo(e)pyrene	1.217	1.131	0.100	7.1	
Perylene	1.143	1.069	0.100	6.5	
2-Methylnaphthalene-d10	0.515	0.461	0.100	10.5	
Dibenz(a,h)anthrancene-d14	0.765	0.784	0.100	-2.5	

<- Outside QC limits

FORM VII SV-1

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/cc0810.d
Lab Smp Id: CC0810
Inj Date : 10-AUG-2006 13:23
Operator : VTS Inst ID: nt1.i
Smp Info : CC0810
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt1.i/20060810.b/simpna.m
Meth Date : 10-Aug-2006 14:25 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
*	1 Naphthalene-d8	136	6.874	6.874	(1.000)	253209	2.00000	
	2 Naphthalene	128	6.898	6.898	(1.003)	298106	2.50000	2.360
$	3 2-Methylnaphthalene-d10	152	7.630	7.630	(1.110)	146034	2.50000	2.239
	4 2-Methylnaphthalene	142	7.666	7.666	(1.115)	168022	2.50000	2.246
	5 1-Methylnaphthalene	142	7.796	7.796	(1.134)	168254	2.50000	2.145
	7 Acenaphthylene	152	8.753	8.753	(0.979)	247823	2.50000	2.446
*	8 Acenaphthene-d10	164	8.937	8.937	(1.000)	122198	2.00000	
	9 Acenaphthene	153	8.972	8.972	(1.004)	143194	2.50000	2.387
	10 Dibenzofuran	168	9.161	9.161	(1.025)	205725	2.50000	2.328
	11 Fluorene	166	9.587	9.587	(1.073)	164339	2.50000	2.389
*	15 Phenanthrene-d10	188	10.745	10.745	(1.000)	181565	2.00000	
	16 Phenanthrene	178	10.775	10.775	(1.003)	221931	2.50000	2.381
	17 Anthracene	178	10.828	10.828	(1.008)	221577	2.50000	2.379
	19 Fluoranthene	202	12.270	12.270	(1.142)	217386	2.50000	2.287
	20 Pyrene	202	12.554	12.554	(0.893)	232447	2.50000	2.515
	22 Benzo(a)anthracene	228	14.037	14.037	(0.999)	204443	2.50000	2.358
*	23 Chrysene-d12	240	14.055	14.055	(1.000)	143956	2.00000	
	24 Chrysene	228	14.090	14.090	(1.003)	189968	2.50000	2.376
	28 Benzo(b)fluoranthene	252	15.426	15.426	(0.964)	199182	2.50000	2.242
	29 Benzo(k)fluoranthene	252	15.455	15.455	(0.966)	242053	2.50000	2.556
	30 Benzo(a)pyrene	252	15.916	15.916	(0.995)	191245	2.50000	2.209
*	31 Perylene-d12	264	15.999	15.999	(1.000)	157395	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.949	17.949	(1.122)	248571	2.50000	2.497
$	32 Dibenz(a,h)anthrancene-d14	292	17.873	17.873	(1.117)	154335	2.50000	2.562
	34 Dibenz(a,h)anthracene	278	17.944	17.944	(1.122)	202062	2.50000	2.485
	35 Benzo(g,h,i)perylene	276	18.529	18.529	(1.158)	220622	2.50000	2.666
	48 Biphenyl	154	8.204	8.204	(0.918)	178613	2.50000	2.366

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
49 2,6-Dimethylnaphthalene	156	8.399	8.399	(0.940)	139232	2.50000	2.341
50 2,3,5-Trimethylnaphthalene	170	9.421	9.421	(1.054)	113964	2.50000	2.340
51 1-Methylphenanthrene	192	11.549	11.549	(0.822)	157286	2.50000	2.669
52 Benzo(e)pyrene	252	15.840	15.840	(0.990)	222477	2.50000	2.322
53 Perylene	252	16.040	16.040	(1.003)	210282	2.50000	2.338

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: cc0810.d
Lab Smp Id: CC0810
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 13:23

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	253209	0.00
8 Acenaphthene-d10	122198	61099	244396	122198	0.00
15 Phenanthrene-d10	181565	90782	363130	181565	0.00
23 Chrysene-d12	143956	71978	287912	143956	0.00
31 Perylene-d12	157395	78698	314790	157395	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	0.00
8 Acenaphthene-d10	8.94	8.44	9.44	8.94	0.00
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.00
23 Chrysene-d12	14.05	13.55	14.55	14.05	0.00
31 Perylene-d12	16.00	15.50	16.50	16.00	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.

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt1.i
Lab File ID: cc0810.d
Analysis Type:
Lab Sample ID: CC0810
Method: /chem3/nt1.i/20060810.b/simpna.m

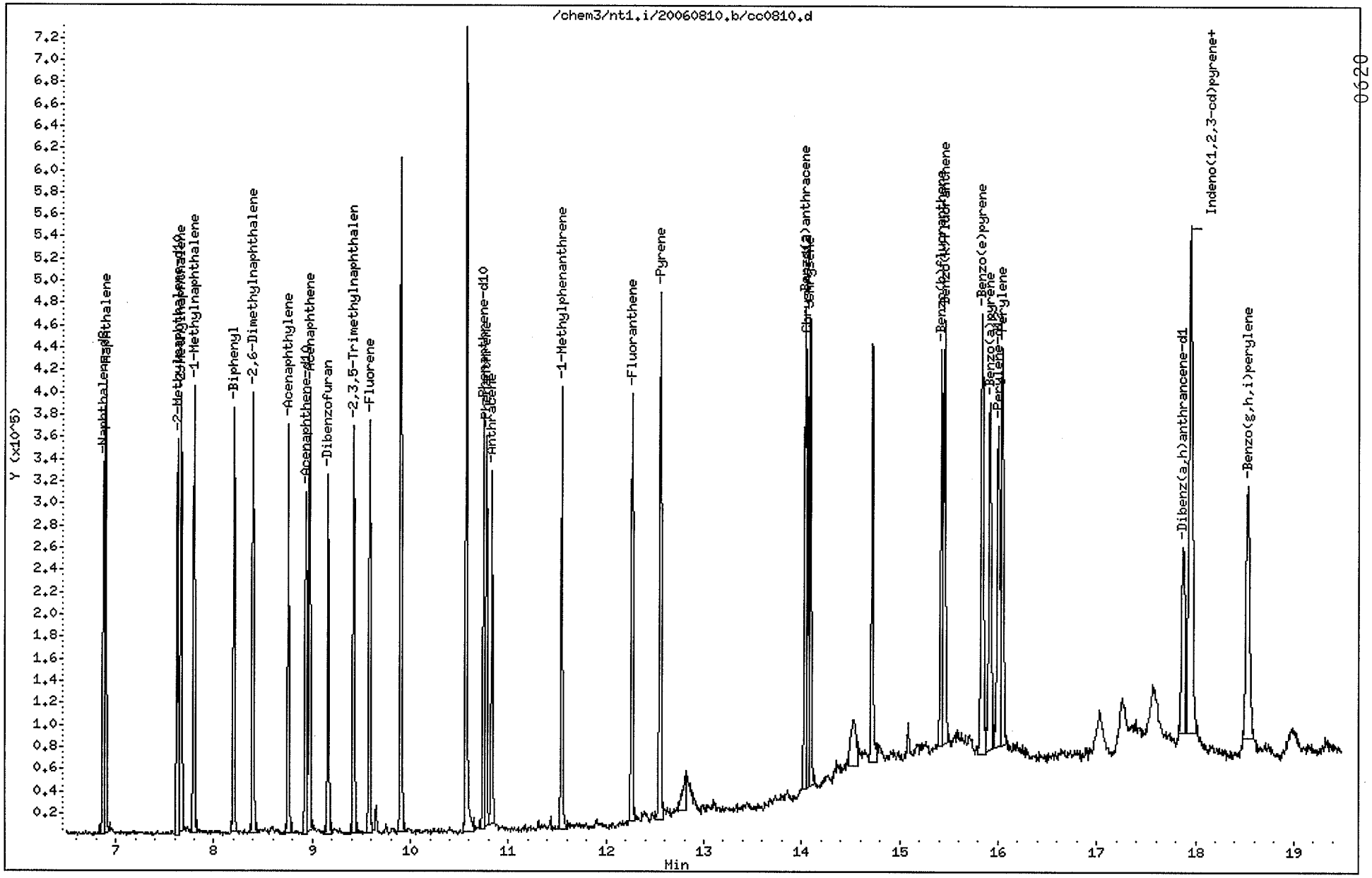
Injection Date: 10-AUG-2006 13:23
Init. Cal. Date(s): 04-AUG-2006 04-AUG-2006
Init. Cal. Times: 10:25 12:28
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Naphthalene	0.99759	0.94185	0.010	5.58766	20.00000	Averaged
$ 3 2-Methylnaphthalene-d10	0.51514	0.46139	0.010	10.43408	20.00000	Averaged
4 2-Methylnaphthalene	0.59078	0.53086	0.010	10.14351	20.00000	Averaged
5 1-Methylnaphthalene	0.61969	0.53159	0.010	14.21758	20.00000	Averaged
7 Acenaphthylene	1.65817	1.62244	0.010	2.15529	20.00000	Averaged
9 Acenaphthene	0.98203	0.93746	0.010	4.53918	20.00000	Averaged
10 Dibenzofuran	1.44651	1.34683	0.010	6.89112	20.00000	Averaged
11 Fluorene	1.12609	1.07589	0.010	4.45785	20.00000	Averaged
16 Phenanthrene	1.02657	0.97786	0.010	4.74497	20.00000	Averaged
17 Anthracene	1.02589	0.97630	0.010	4.83365	20.00000	Averaged
19 Fluoranthene	1.04707	0.95783	0.010	8.52295	20.00000	Averaged
20 Pyrene	1.28426	1.29177	0.010	-0.58473	20.00000	Averaged
22 Benzo(a)anthracene	1.20437	1.13614	0.010	5.66516	20.00000	Averaged
24 Chrysene	1.11086	1.05570	0.010	4.96535	20.00000	Averaged
28 Benzo(b)fluoranthene	1.12875	1.01239	0.010	10.30874	20.00000	Averaged
29 Benzo(k)fluoranthene	1.20336	1.23030	0.010	-2.23849	20.00000	Averaged
30 Benzo(a)pyrene	1.09986	0.97205	0.010	11.62046	20.00000	Averaged
33 Indeno(1,2,3-cd)pyrene	1.26484	1.26343	0.010	0.11166	20.00000	Averaged
$ 32 Dibenz(a,h)anthrancene-d14	0.76539	0.78445	0.010	-2.48915	20.00000	Averaged
34 Dibenz(a,h)anthracene	1.03328	1.02703	0.010	0.60516	20.00000	Averaged
35 Benzo(g,h,i)perylene	1.05141	1.12137	0.010	-6.65415	20.00000	Averaged
48 Biphenyl	1.23570	1.16934	0.010	5.37087	20.00000	Averaged
49 2,6-Dimethylnaphthalene	0.97325	0.91152	0.010	6.34276	20.00000	Averaged
50 2,3,5-Trimethylnaphthalene	0.79717	0.74609	0.010	6.40762	20.00000	Averaged
51 1-Methylphenanthrene	0.81867	0.87408	0.010	-6.76844	20.00000	Averaged
52 Benzo(e)pyrene	1.21746	1.13080	0.010	7.11814	20.00000	Averaged
53 Perylene	1.14310	1.06881	0.010	6.49919	20.00000	Averaged

Data File: /chem3/nt1.i/20060810.b/cc0810.d
Date : 10-AUG-2006 13:23
Client ID:
Sample Info: CC0810

Instrument: nt1.i

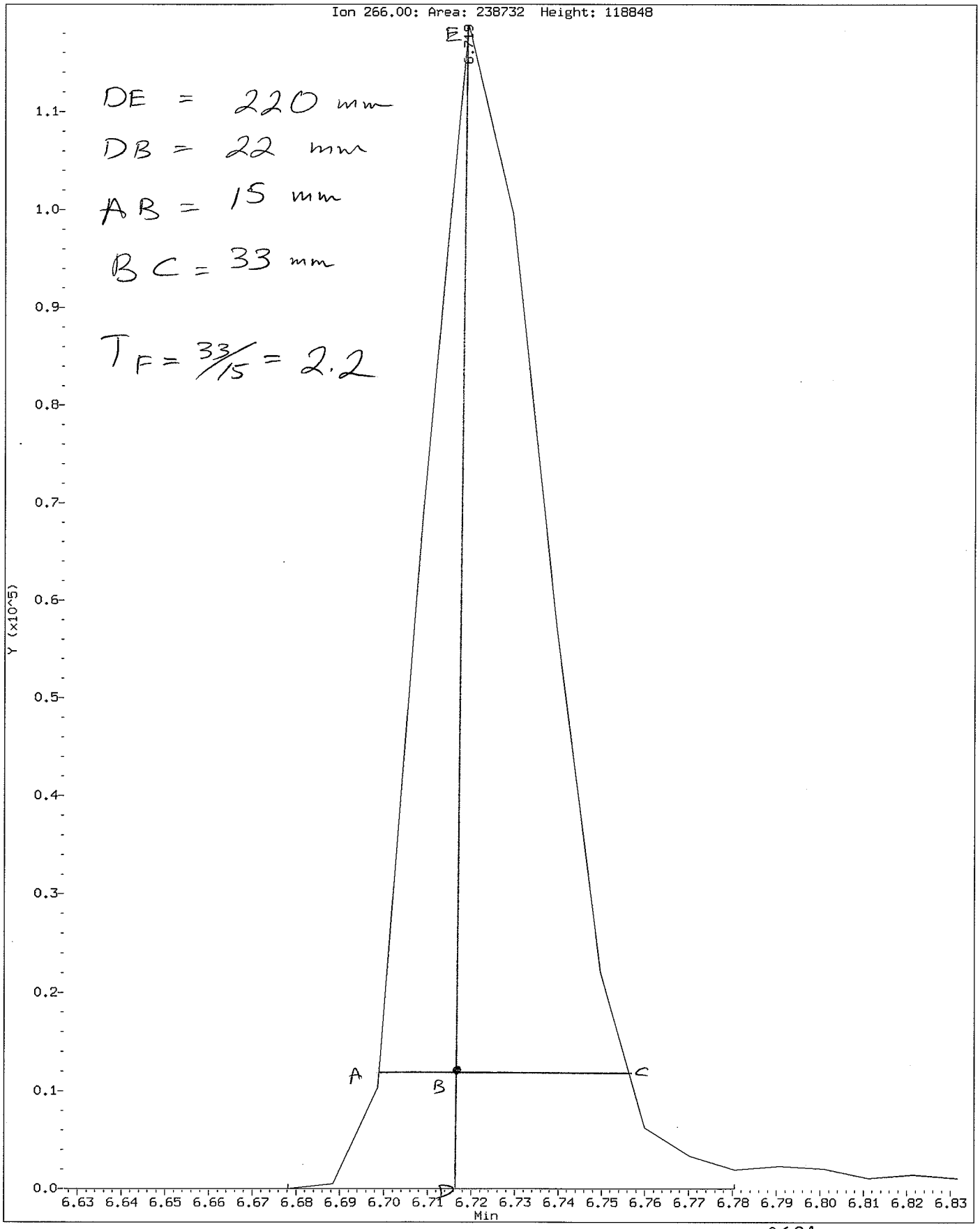
Operator: VTS
Column phase: ZB-5
Column diameter: 0.25



0620

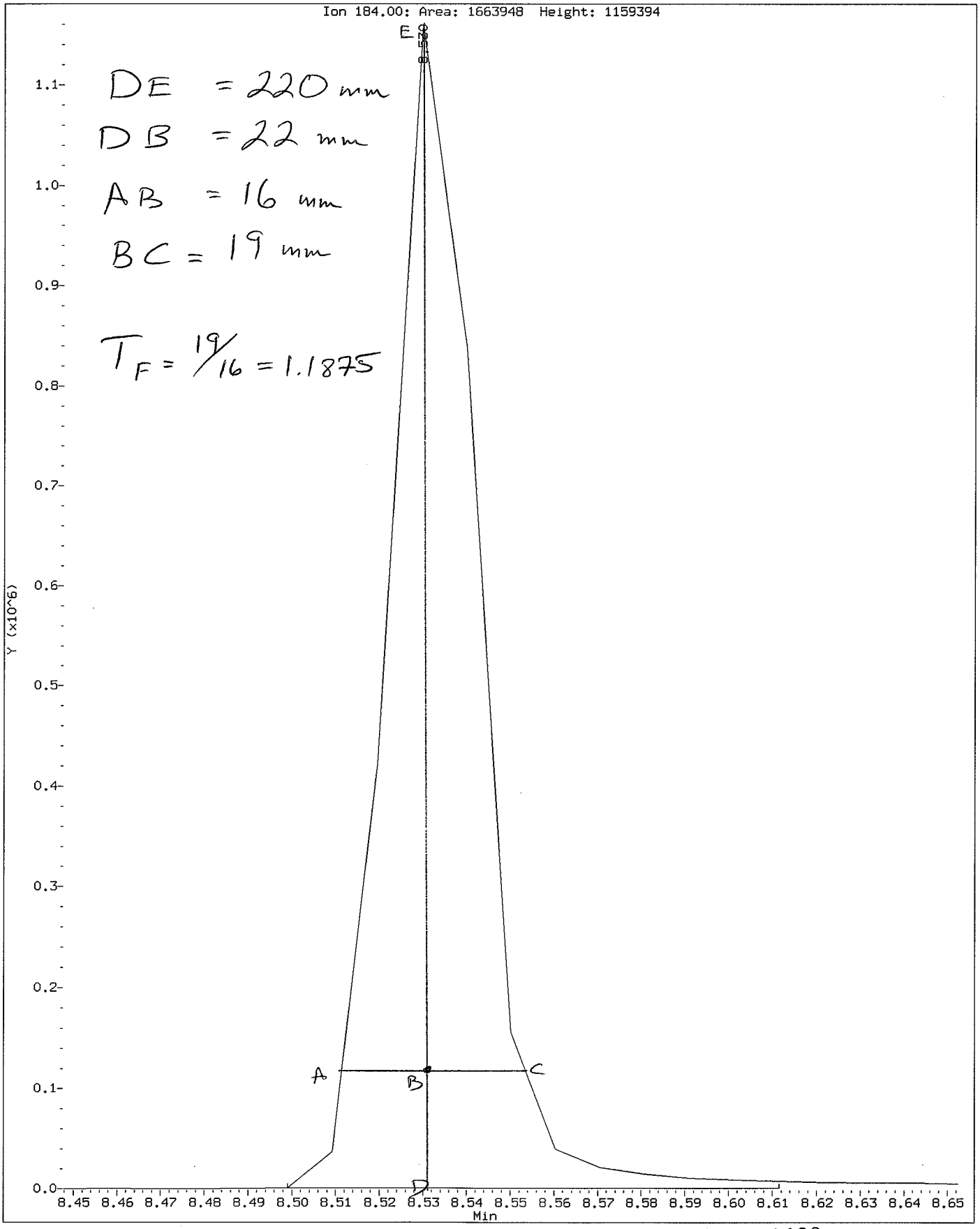
Data File: /chem3/nt1.i/20060810.b/ddt.b/df0810.d
Injection Date: 10-AUG-2006 13:08
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060810.b/ddt.b/df0810.d
Injection Date: 10-AUG-2006 13:08
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



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

Data file: /chem3/nt1.i/20060810.b/ddt.b/df0810.d
Method: /chem3/nt1.i/20060810.b/ddt.b/sw846ddt.m
Analysis Date: 10-AUG-2006 13:08

ARI ID: DF0810
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.719	238732
Benzidine	8.530	1663948
4,4'-DDE	8.806	5639
4,4'-DDD	9.225	81106
4,4'-DDT	9.594	459393

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

$$\text{DDT Percent Breakdown} = \frac{(5639 + 81106) * 100}{(5639 + 81106 + 459393)}$$

DDT Percent Breakdown = 15.9 %

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/icv0810.d
Lab Smp Id: ICV0810
Inj Date : 10-AUG-2006 13:48
Operator : VTS Inst ID: nt1.i
Smp Info : ICV0810
Misc Info :
Comment : 1ul Injection
Method : /chem3/nt1.i/20060810.b/simpna.m
Meth Date : 10-Aug-2006 14:25 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 1
Dil Factor: 1.00000 (330-1)
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
*	1 Naphthalene-d8	136	6.872	6.874	(1.000)	230120	2.00000	
	2 Naphthalene	128	6.896	6.898	(1.003)	332850	2.89982	2.900
$	3 2-Methylnaphthalene-d10	152	7.629	7.630	(1.110)	169563	2.86078	2.861(R)
	4 2-Methylnaphthalene	142	7.664	7.666	(1.115)	193173	2.84181	2.842
	5 1-Methylnaphthalene	142	7.800	7.796	(1.135)	186664	2.61793	2.618
	7 Acenaphthylene	152	8.757	8.753	(0.980)	278653	3.03851	3.039
*	8 Acenaphthene-d10	164	8.935	8.937	(1.000)	110612	2.00000	
	9 Acenaphthene	153	8.970	8.972	(1.004)	158144	2.91176	2.912
	10 Dibenzofuran	168	9.159	9.161	(1.025)	234039	2.92546	2.925
	11 Fluorene	166	9.585	9.587	(1.073)	181997	2.92227	2.922
*	15 Phenanthrene-d10	188	10.743	10.745	(1.000)	164662	2.00000	
	16 Phenanthrene	178	10.773	10.775	(1.003)	249764	2.95514	2.955
	17 Anthracene	178	10.832	10.828	(1.008)	246503	2.91850	2.918
	19 Fluoranthene	202	12.268	12.270	(1.142)	248619	2.88399	2.884
	20 Pyrene	202	12.558	12.554	(0.893)	267067	3.02005	3.020
	22 Benzo(a)anthracene	228	14.035	14.037	(0.998)	238129	2.87143	2.871
*	23 Chrysene-d12	240	14.059	14.055	(1.000)	137716	2.00000	
	24 Chrysene	228	14.088	14.090	(1.002)	226304	2.95855	2.959
	28 Benzo(b)fluoranthene	252	15.424	15.426	(0.964)	250989	3.02785	3.028
	29 Benzo(k)fluoranthene	252	15.454	15.455	(0.966)	246463	2.78892	2.789
	30 Benzo(a)pyrene	252	15.914	15.916	(0.994)	218281	2.70245	2.702
*	31 Perylene-d12	264	16.003	15.999	(1.000)	146876	2.00000	
	33 Indeno(1,2,3-cd)pyrene	276	17.953	17.949	(1.122)	267701	2.88200	2.882
$	32 Dibenz(a,h)anthrancene-d14	292	17.877	17.873	(1.117)	126610	2.25248	2.252(R)
	34 Dibenz(a,h)anthracene	278	17.948	17.944	(1.121)	219928	2.89828	2.898
	35 Benzo(g,h,i)perylene	276	18.533	18.529	(1.158)	234498	3.03702	3.037
	48 Biphenyl	154	Compound Not Detected.					

122%

VTS
8.11.2006

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: icv0810.d
Lab Smp Id: ICV0810
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 13:23

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	230120	-9.12
8 Acenaphthene-d10	122198	61099	244396	110612	-9.48
15 Phenanthrene-d10	181565	90782	363130	164662	-9.31
23 Chrysene-d12	143956	71978	287912	137716	-4.33
31 Perylene-d12	157395	78698	314790	146876	-6.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	-0.03
8 Acenaphthene-d10	8.94	8.44	9.44	8.93	-0.02
15 Phenanthrene-d10	10.75	10.25	11.25	10.74	-0.02
23 Chrysene-d12	14.05	13.55	14.55	14.06	0.03
31 Perylene-d12	16.00	15.50	16.50	16.00	0.03

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ICV0810
Level:
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info:

Client SDG: 20060810
Fraction: SV

Operator: VTS
SampleType: SAMPLE
Quant Type: ISTD

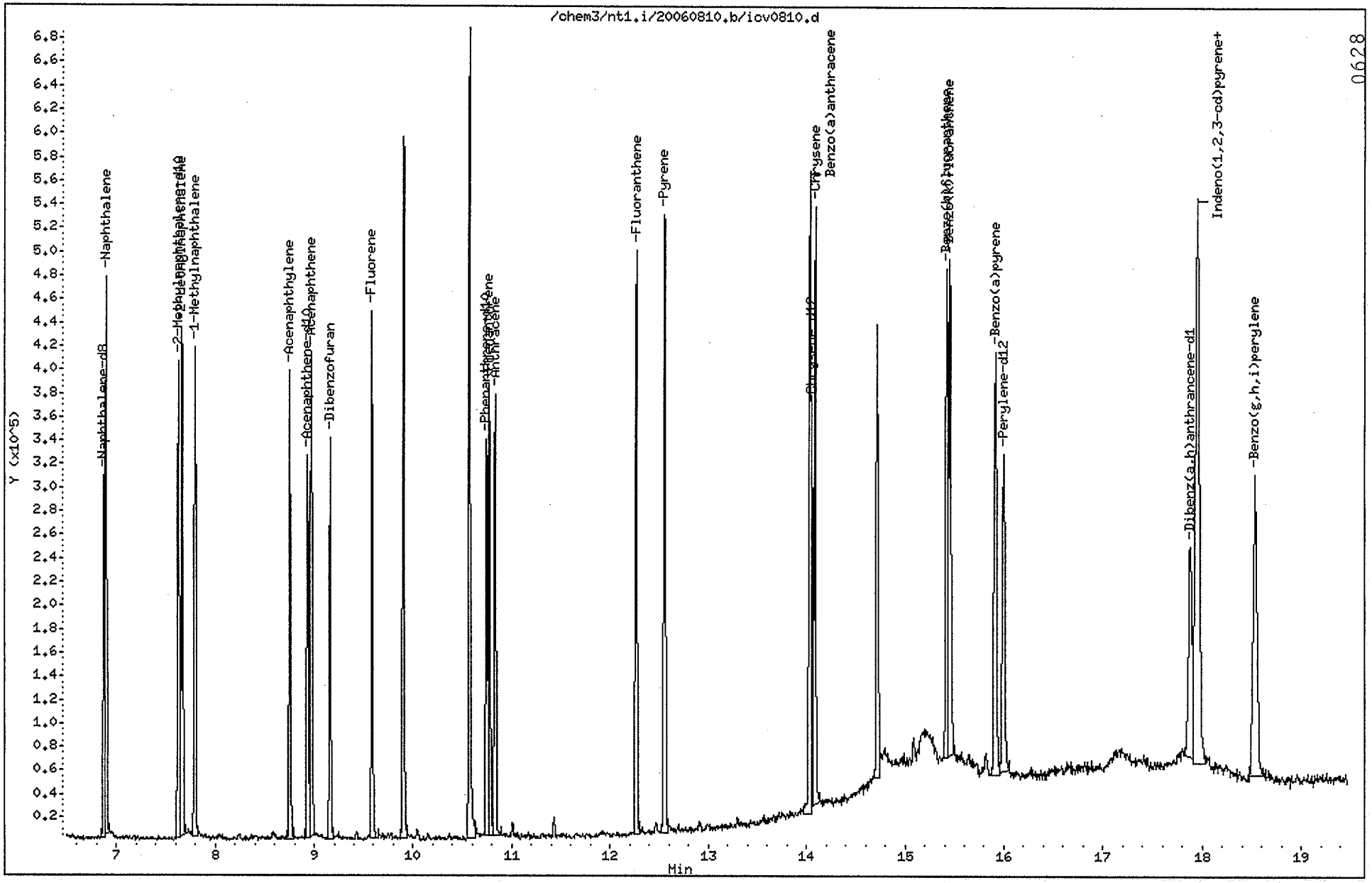
SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	3.000	2.861	95.36	
$ 32 Dibenz(a,h)anthran	3.000	2.252	75.08	

Data File: /chem3/nt1.i/20060810.b/icv0810.d
Date : 10-AUG-2006 13:48
Client ID:
Sample Info: ICV0810

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25

Column phase: ZB-5



0628

SIM Semivolatile Analysis
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

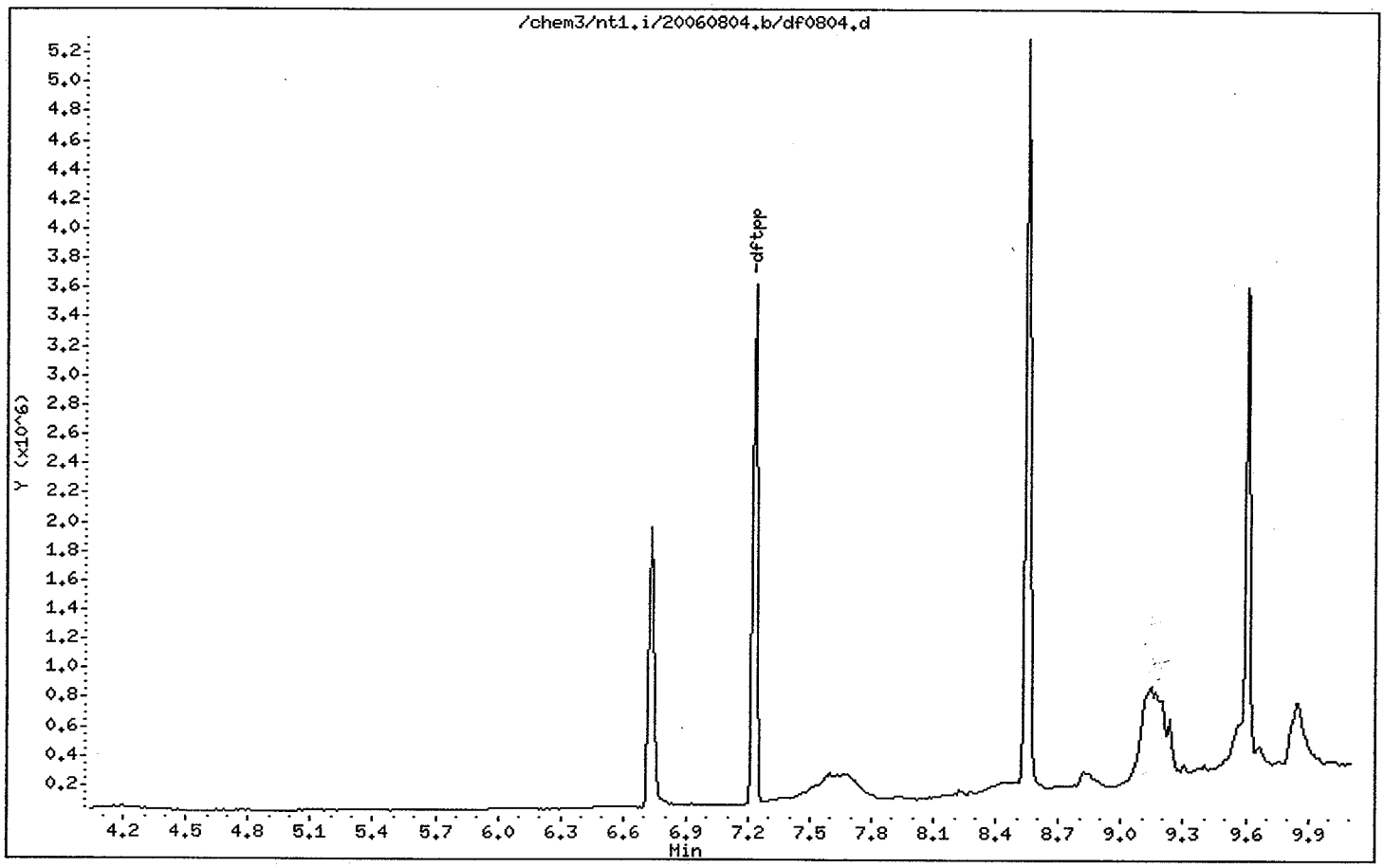
Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

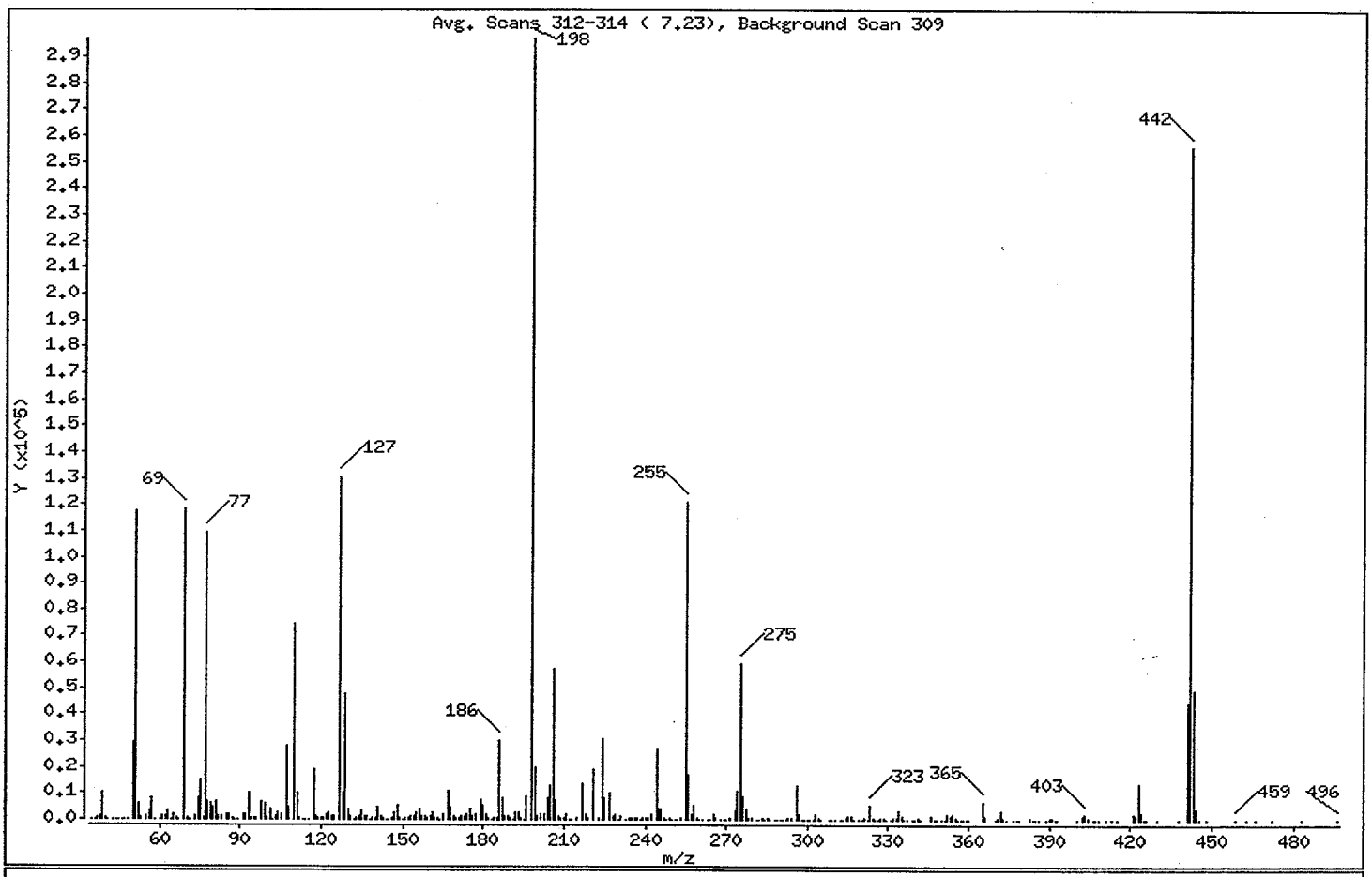
Sample Info: DF0804

Operator: LJR

Column phase: ZB-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	39.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.68
70	Less than 2.00% of mass 69	0.16 (0.41)
127	25.00 - 75.00% of mass 198	43.90
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	20.06
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	15.05
442	40.00 - 110.00% of mass 198	86.30
443	15.00 - 24.00% of mass 442	16.57 (19.20)

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d

Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309

Location of Maximum: 198.00

Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	104	132.00	167	224.00	30960	322.00	41
36.00	193	133.00	466	225.00	8338	323.00	5687
37.00	380	134.00	1065	227.00	10334	324.00	830
38.00	1590	135.00	3386	228.00	1446	325.00	119
39.00	10316	136.00	1562	229.00	2189	326.00	95
40.00	425	137.00	1212	230.00	311	327.00	1021
41.00	335	138.00	180	231.00	1054	328.00	547
43.00	227	139.00	580	233.00	313	329.00	137
44.00	211	140.00	405	234.00	557	331.00	40
45.00	202	141.00	4914	235.00	775	332.00	367
46.00	24	142.00	1661	236.00	744	333.00	546
47.00	77	143.00	949	237.00	875	334.00	3425
48.00	153	144.00	154	238.00	183	335.00	1088
50.00	29200	145.00	242	239.00	638	336.00	100
51.00	117304	146.00	698	240.00	494	337.00	64
52.00	6047	147.00	3045	241.00	763	339.00	109
53.00	380	148.00	5247	242.00	1902	340.00	117
55.00	1228	149.00	897	244.00	26648	341.00	727
56.00	3107	150.00	312	245.00	3816	342.00	125
57.00	7948	151.00	905	246.00	4009	346.00	1122
58.00	274	152.00	440	247.00	917	347.00	226
60.00	313	153.00	1416	248.00	292	348.00	65
61.00	1226	154.00	1605	249.00	1018	350.00	96
62.00	1199	155.00	2395	250.00	197	351.00	71
63.00	3460	156.00	4278	251.00	287	352.00	1862
64.00	146	157.00	1141	252.00	263	353.00	1254
65.00	1816	158.00	1118	253.00	618	354.00	1708
66.00	346	159.00	380	255.00	120568	355.00	354
67.00	14	160.00	1651	256.00	17008	356.00	62
69.00	117848	161.00	2422	257.00	1714	357.00	50
70.00	484	162.00	641	258.00	5492	358.00	44
71.00	265	163.00	453	259.00	948	359.00	236
73.00	1283	164.00	100	260.00	203	360.00	34
74.00	8041	165.00	1901	261.00	336	365.00	6669
75.00	15094	167.00	10942	263.00	177	366.00	1065

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	610	168.00	4520	264.00	10	370.00	309
77.00	109344	169.00	1050	265.00	2375	371.00	342
78.00	7104	170.00	425	266.00	668	372.00	3218
79.00	6358	171.00	352	268.00	123	373.00	780
80.00	5009	172.00	1118	269.00	23	374.00	155
81.00	6496	173.00	1145	270.00	231	377.00	121
82.00	1587	174.00	2276	271.00	451	378.00	48
83.00	1619	175.00	3854	273.00	3728	379.00	74
85.00	1798	176.00	1631	274.00	10740	383.00	883
86.00	2108	177.00	1801	275.00	59576	384.00	252
87.00	635	179.00	7819	276.00	8737	385.00	68
88.00	273	180.00	5642	277.00	3970	386.00	41
89.00	165	181.00	2387	278.00	702	389.00	142
91.00	2045	182.00	391	279.00	348	390.00	342
92.00	1842	183.00	249	281.00	176	391.00	452
93.00	9941	184.00	779	282.00	182	392.00	229
94.00	638	185.00	460	283.00	607	393.00	131
95.00	664	186.00	30160	284.00	249	400.00	45
96.00	766	187.00	8078	285.00	556	402.00	1406
98.00	7107	188.00	1038	286.00	228	403.00	2105
99.00	5819	189.00	1454	288.00	144	404.00	700
100.00	419	190.00	411	289.00	251	406.00	58
101.00	4244	191.00	181	290.00	311	407.00	48
102.00	48	192.00	2691	291.00	318	408.00	44
103.00	1659	193.00	2495	292.00	197	411.00	39
104.00	2709	194.00	636	293.00	697	413.00	44
105.00	2115	195.00	132	294.00	364	415.00	128
107.00	27704	196.00	9213	296.00	13038	421.00	1715
108.00	4583	198.00	296960	297.00	1714	422.00	1202
110.00	74144	199.00	20000	298.00	35	423.00	13458
111.00	10557	200.00	1277	299.00	52	424.00	2775
112.00	828	201.00	1951	300.00	2	425.00	263
113.00	271	203.00	2161	301.00	187	426.00	43
114.00	203	204.00	8337	302.00	286	430.00	88
115.00	47	205.00	13190	303.00	1797	438.00	51

Data File: /chem3/nt1.i/20060804.b/df0804.d

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

Data File: df0804.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 334

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	19192	206.00	57200	304.00	498	441.00	44680
118.00	1479	207.00	7504	305.00	39	442.00	256256
119.00	426	208.00	1444	308.00	273	443.00	49200
120.00	408	209.00	417	309.00	191	444.00	4351
121.00	486	210.00	743	310.00	302	445.00	255
122.00	1998	211.00	2156	312.00	34	448.00	42
123.00	3039	212.00	37	313.00	237	459.00	60
124.00	1393	213.00	269	314.00	726	463.00	39
125.00	1411	215.00	619	315.00	1404	466.00	39
127.00	130368	217.00	13804	316.00	1213	472.00	40
128.00	10523	218.00	1843	317.00	304	483.00	40
129.00	48016	219.00	356	319.00	66	496.00	40
130.00	3762	221.00	18928	320.00	80		
131.00	1072	223.00	480	321.00	439		

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

Data file: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Method: /chem3/nt1.i/20060804.b/ddt.b/sw846ddt.m
Analysis Date: 04-AUG-2006 09:53

ARI ID: DF0804
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.730	433592
Benzidine	8.551	2972773
4,4'-DDE	8.817	7261
4,4'-DDD	9.236	71178
4,4'-DDT	9.615	970302

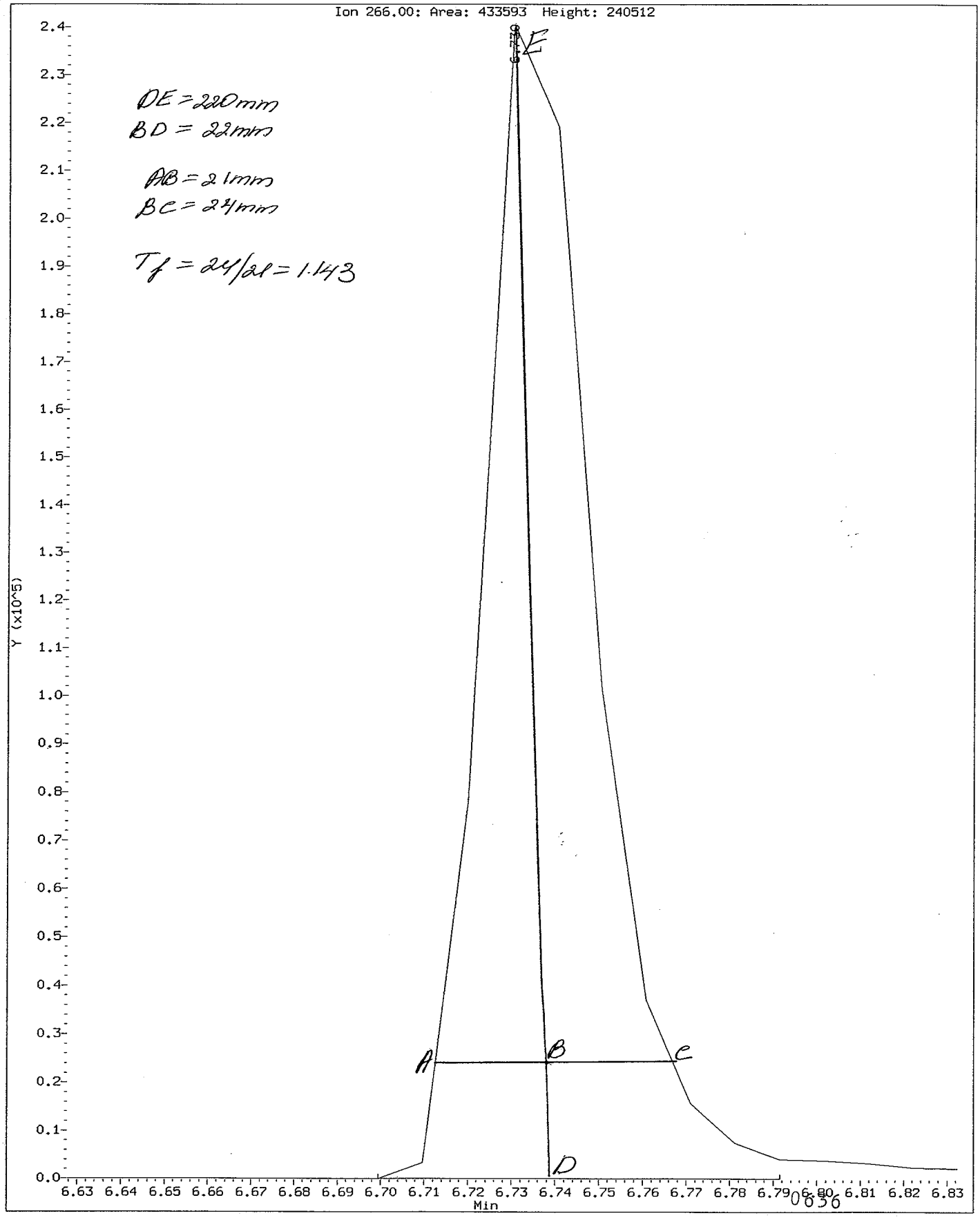
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(7261 + 71178) * 100}{(7261 + 71178 + 970302)}$$

DDT Percent Breakdown = 7.5 %

Data File: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Injection Date: 04-AUG-2006 09:53
Instrument: nt1.i
Client Sample ID:

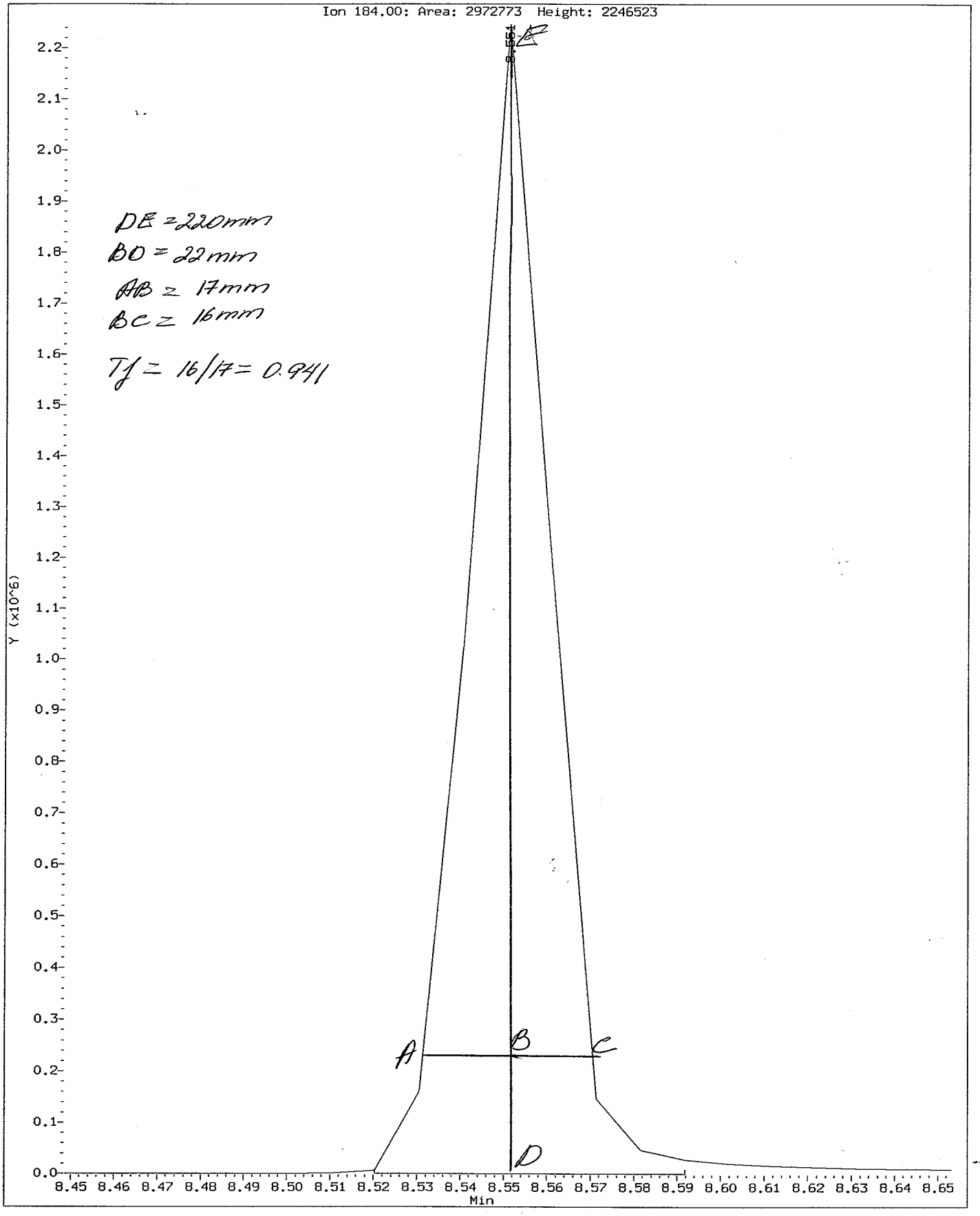
Compound: Pentachlorophenol
CAS Number: 87-86-5



0036

Data File: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Injection Date: 04-AUG-2006 09:53
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

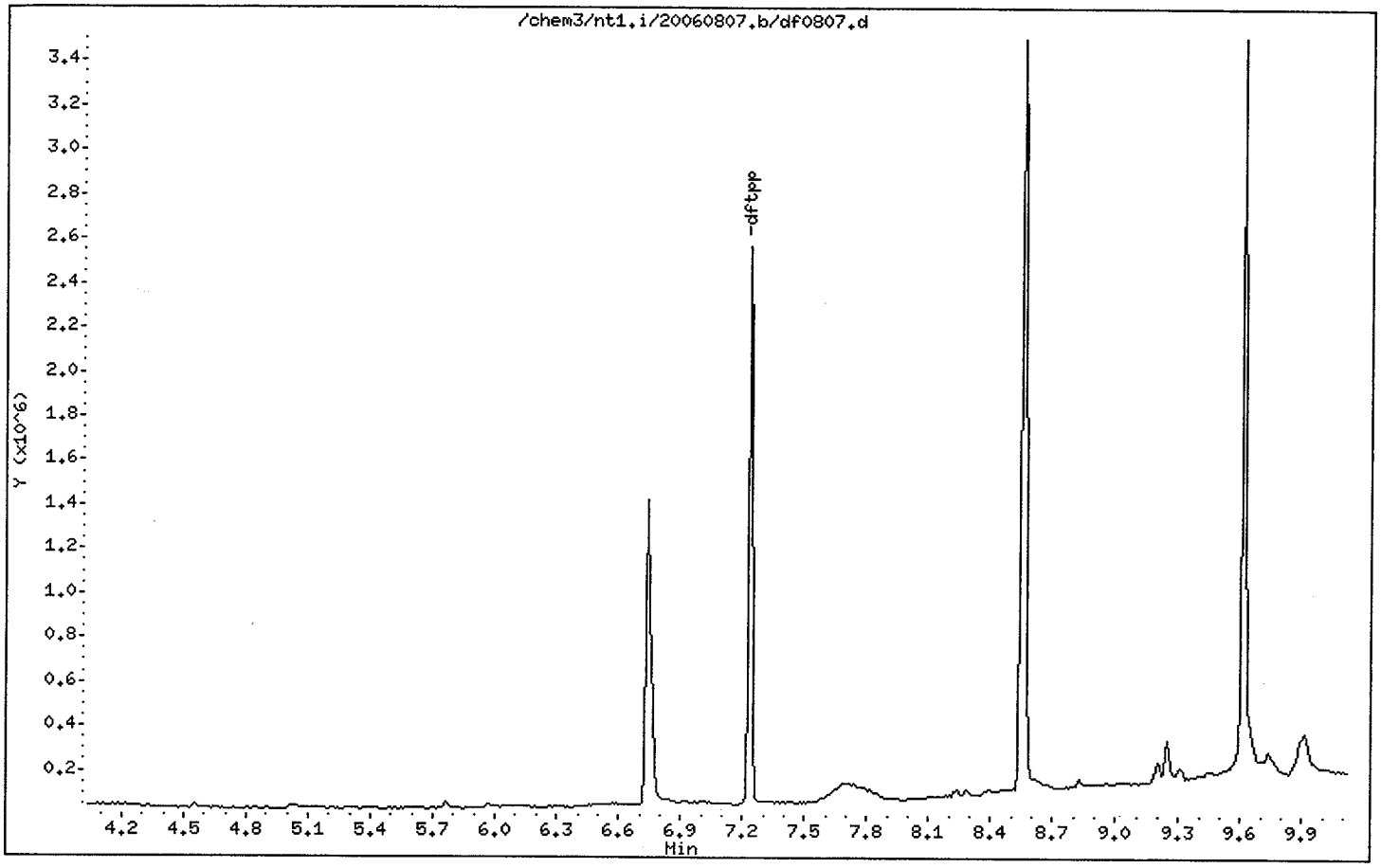
Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

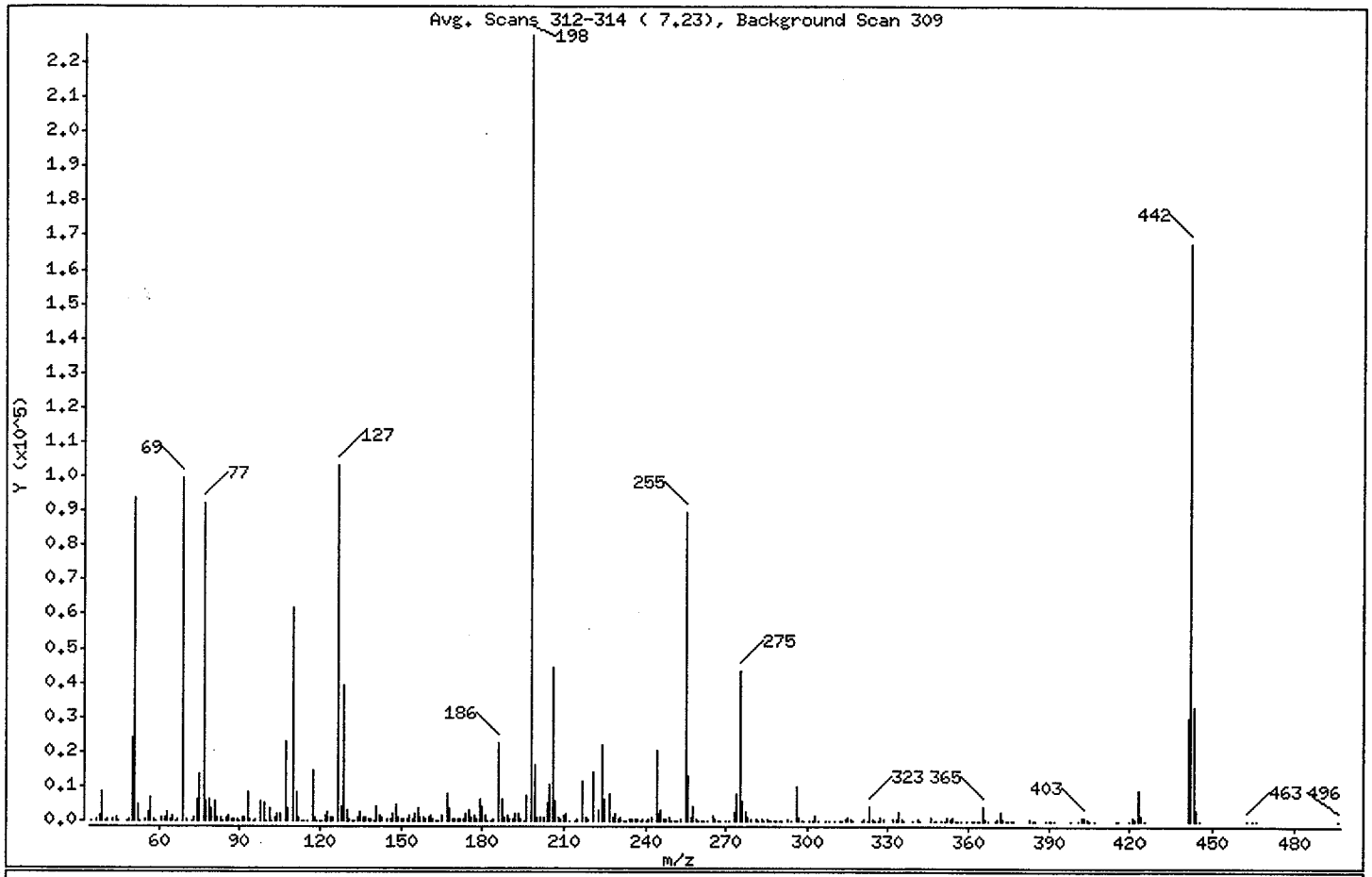
Sample Info: DF0807

Operator: YZ

Column phase: ZB-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	41.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.67
70	Less than 2.00% of mass 69	0.16 (0.37)
127	25.00 - 75.00% of mass 198	45.24
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.20
275	10.00 - 30.00% of mass 198	19.01
365	Greater than 0.75% of mass 198	1.92
441	Present, but less than mass 443	13.10
442	40.00 - 110.00% of mass 198	73.50
443	15.00 - 24.00% of mass 442	14.45 (19.67)

Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	48	130.00	2893	218.00	1181	315.00	1050
37.00	709	131.00	415	219.00	285	316.00	617
38.00	1394	132.00	230	221.00	14336	317.00	154
39.00	8315	133.00	216	223.00	2985	320.00	110
40.00	44	134.00	1067	224.00	21936	321.00	280
41.00	656	135.00	2822	225.00	6071	322.00	143
43.00	324	136.00	917	227.00	7652	323.00	4002
44.00	1011	137.00	1026	228.00	1100	324.00	665
45.00	235	138.00	422	229.00	1891	325.00	193
48.00	141	139.00	560	230.00	391	326.00	53
49.00	630	140.00	130	231.00	957	327.00	919
50.00	24120	141.00	4331	232.00	23	328.00	383
51.00	93888	142.00	1684	233.00	80	332.00	323
52.00	4611	143.00	891	234.00	602	333.00	374
53.00	102	145.00	550	235.00	770	334.00	2372
55.00	576	146.00	630	236.00	508	335.00	527
56.00	2579	147.00	2019	237.00	492	336.00	145
57.00	6629	148.00	4863	238.00	11	339.00	34
58.00	292	149.00	1150	239.00	520	341.00	433
59.00	190	150.00	325	240.00	179	342.00	162
61.00	836	151.00	468	241.00	553	346.00	935
62.00	1087	152.00	481	242.00	1160	347.00	185
63.00	2795	153.00	1498	244.00	20552	348.00	33
64.00	452	154.00	750	245.00	2185	350.00	43
65.00	1531	155.00	2099	246.00	3050	351.00	37
66.00	231	156.00	3832	247.00	414	352.00	1202
67.00	278	157.00	942	248.00	274	353.00	704
69.00	99512	158.00	918	249.00	786	354.00	1265
70.00	372	159.00	559	250.00	189	355.00	106
72.00	157	160.00	924	251.00	226	356.00	46
73.00	804	161.00	1554	252.00	83	357.00	59
74.00	6358	162.00	708	253.00	311	359.00	103
75.00	13469	163.00	45	255.00	89640	361.00	89
77.00	92040	164.00	61	256.00	12920	362.00	46
78.00	5932	165.00	1589	257.00	1086	363.00	40

Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d

Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309

Location of Maximum: 198.00

Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6029	167.00	8067	258.00	4083	364.00	64
80.00	3926	168.00	3449	259.00	760	365.00	4378
81.00	5696	169.00	562	260.00	166	366.00	590
82.00	1256	170.00	375	261.00	224	367.00	37
83.00	1230	171.00	534	262.00	117	370.00	150
84.00	42	172.00	673	263.00	122	371.00	279
85.00	1118	173.00	658	265.00	1616	372.00	2528
86.00	1348	174.00	1858	266.00	704	373.00	720
87.00	663	175.00	3266	267.00	180	374.00	50
88.00	526	176.00	1067	268.00	80	375.00	46
89.00	326	177.00	1313	270.00	67	376.00	63
90.00	52	178.00	625	271.00	210	377.00	43
91.00	1267	179.00	6266	273.00	2818	383.00	409
92.00	824	180.00	3977	274.00	7909	384.00	131
93.00	8356	181.00	1731	275.00	43304	385.00	61
94.00	518	182.00	180	276.00	5886	389.00	86
95.00	79	183.00	179	277.00	2744	390.00	174
96.00	652	184.00	319	278.00	977	391.00	153
98.00	6008	186.00	22632	279.00	387	392.00	115
99.00	5404	187.00	6271	281.00	265	398.00	38
100.00	240	188.00	848	282.00	46	401.00	57
101.00	3644	189.00	1375	283.00	675	402.00	881
102.00	172	190.00	328	284.00	176	403.00	1202
103.00	1085	191.00	275	285.00	610	404.00	394
104.00	2260	192.00	1958	286.00	118	405.00	58
105.00	2023	193.00	1928	287.00	37	407.00	37
107.00	22832	194.00	526	288.00	50	415.00	125
108.00	3888	195.00	90	289.00	211	416.00	65
110.00	61944	196.00	7253	290.00	36	420.00	40
111.00	8468	198.00	227840	291.00	54	421.00	1137
112.00	1017	199.00	16408	293.00	678	422.00	651
113.00	188	200.00	1241	294.00	147	423.00	8960
114.00	156	201.00	1223	296.00	9729	424.00	1603
115.00	73	203.00	1150	297.00	1162	425.00	162
117.00	14881	204.00	4999	298.00	91	441.00	29840

Data File: /chem3/nt1.i/20060807.b/df0807.d

Date : 07-AUG-2006 10:24

Client ID:

Instrument: nt1.i

Sample Info: DF0807

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0807.d
Spectrum: Avg. Scans 312-314 (7.23), Background Scan 309
Location of Maximum: 198.00
Number of points: 321

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1178	205.00	10414	299.00	103	442.00	167424
119.00	184	206.00	44424	301.00	143	443.00	32928
120.00	186	207.00	5614	302.00	234	444.00	2894
121.00	6	208.00	1223	303.00	1396	445.00	110
122.00	1624	209.00	570	304.00	221	463.00	45
123.00	2388	210.00	1407	307.00	33	465.00	41
124.00	1019	211.00	2041	308.00	210	466.00	44
125.00	839	212.00	208	310.00	104	496.00	45
127.00	103080	214.00	104	312.00	140		
128.00	4301	215.00	410	313.00	134		
129.00	39528	217.00	11344	314.00	767		

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

Data file: /chem3/nt1.i/20060807.b/ddt.b/df0807.d
Method: /chem3/nt1.i/20060807.b/ddt.b/sw846ddt.m
Analysis Date: 07-AUG-2006 10:24

ARI ID: DF0807
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.741	322798
Benzidine	8.552	2211081
4,4'-DDE	8.828	4559
4,4'-DDD	9.248	41739
4,4'-DDT	9.616	768935

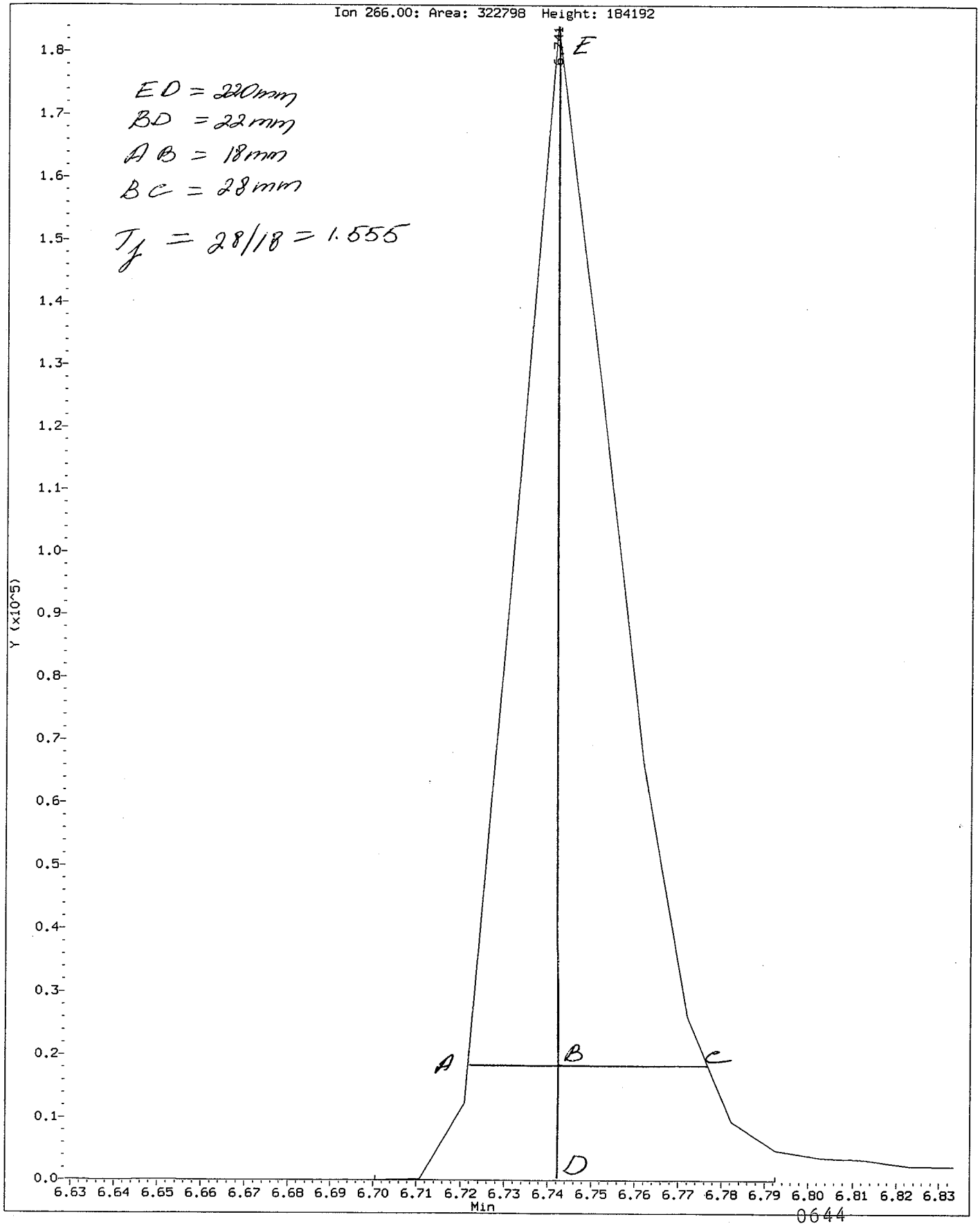
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(4559 + 41739) * 100}{(4559 + 41739 + 768935)}$$

DDT Percent Breakdown = 5.7 %

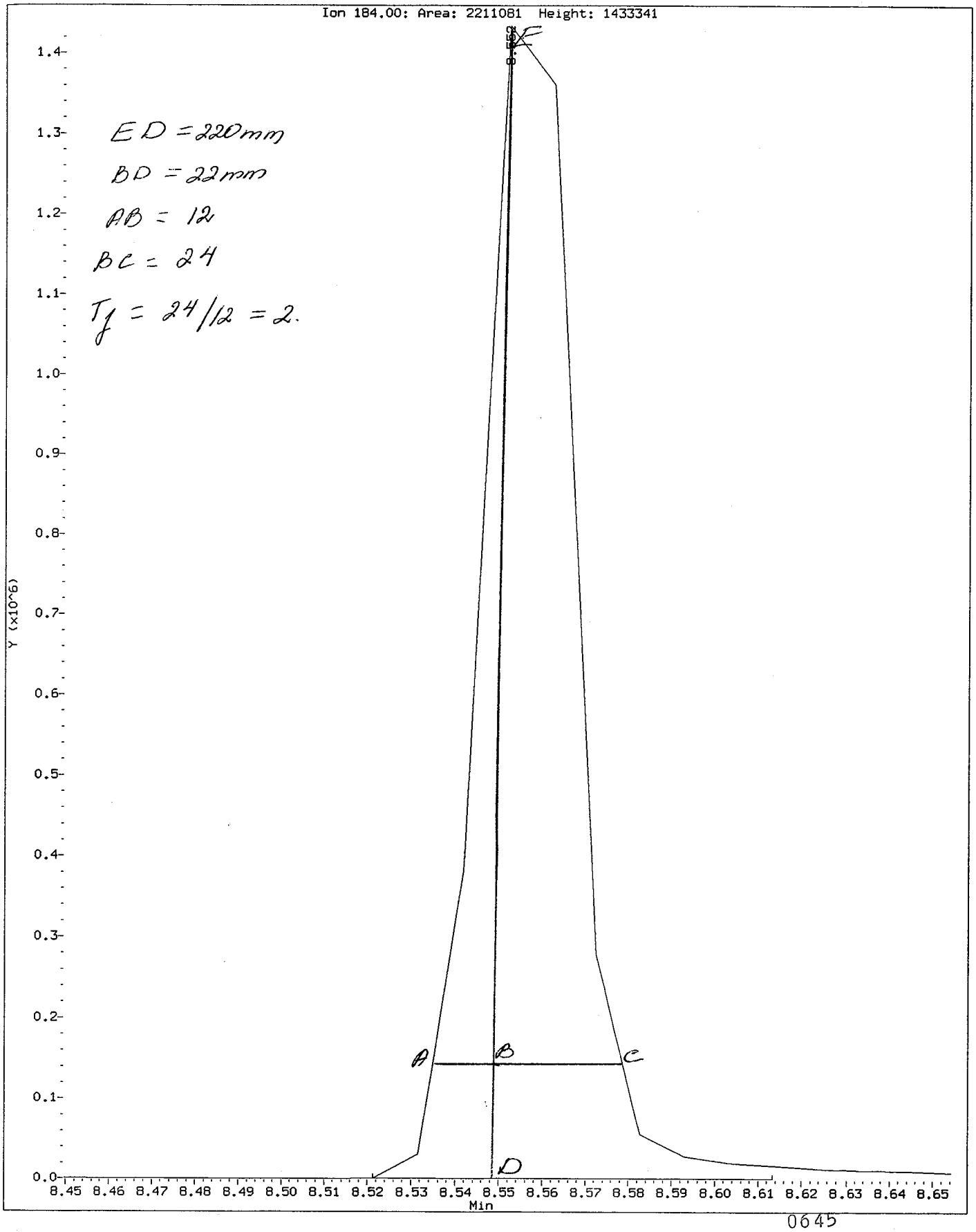
Data File: /chem3/nt1.i/20060807.b/ddt.b/df0807.d
Injection Date: 07-AUG-2006 10:24
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060807.b/ddt.b/df0807.d
Injection Date: 07-AUG-2006 10:24
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

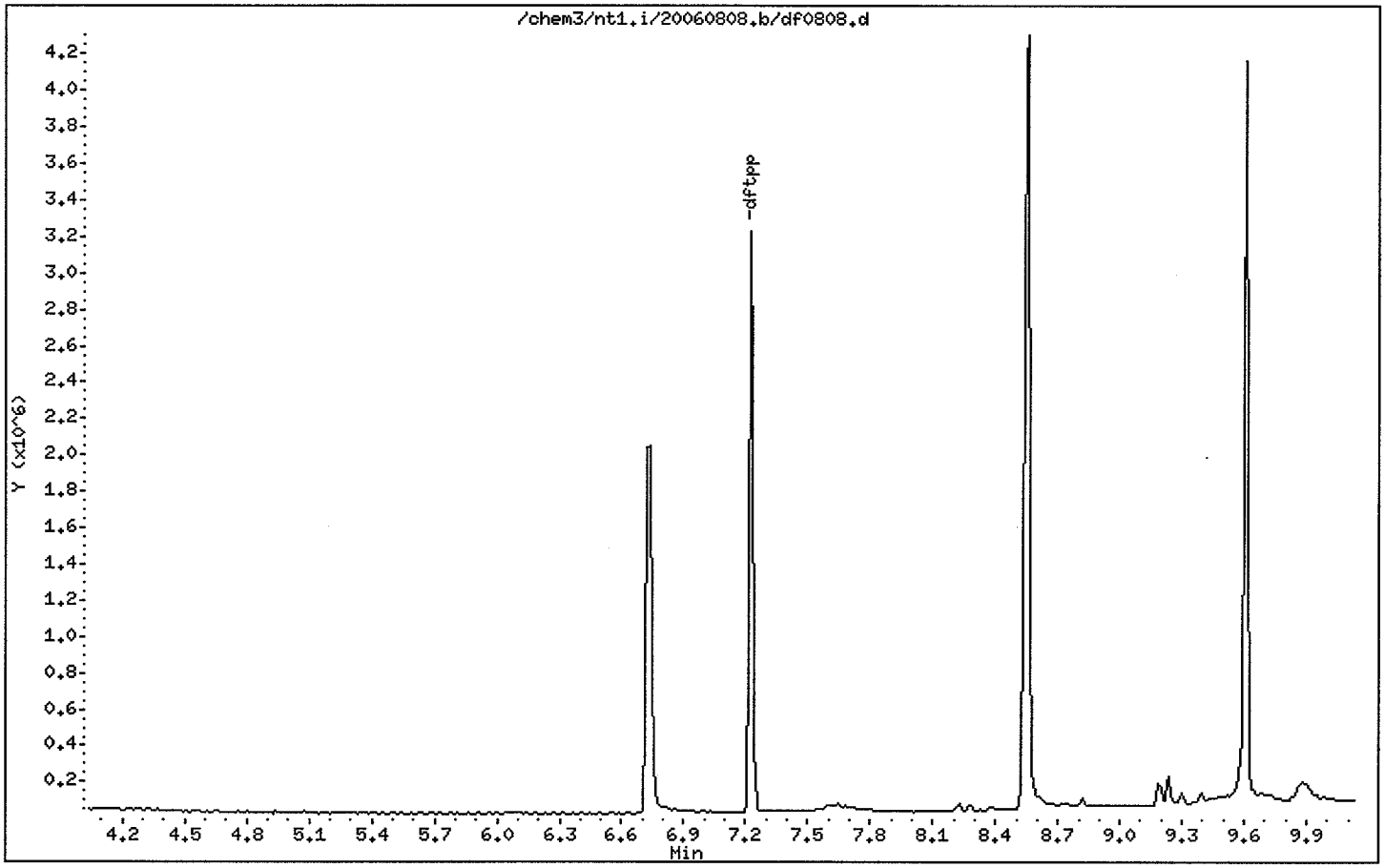
Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

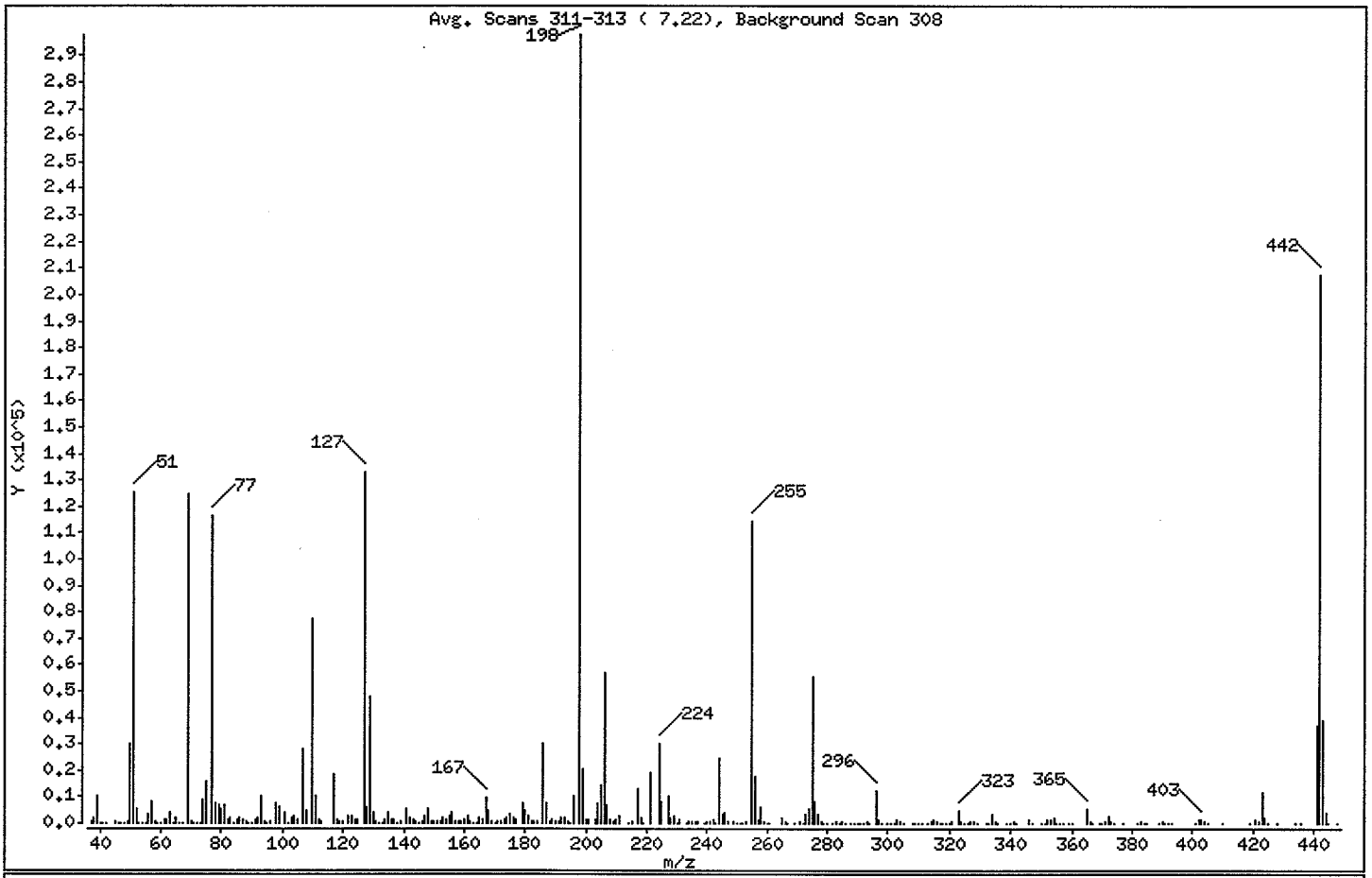
Sample Info: DF0808

Operator: YZ

Column phase: ZB-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	42.14
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.85
70	Less than 2.00% of mass 69	0.12 (0.29)
127	25.00 - 75.00% of mass 198	44.68
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	18.59
365	Greater than 0.75% of mass 198	1.90
441	Present, but less than mass 443	12.41
442	40.00 - 110.00% of mass 198	69.74
443	15.00 - 24.00% of mass 442	13.17 (18.89)

Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	488	129.00	47888	215.00	474	315.00	1305
38.00	1891	130.00	4182	217.00	12837	316.00	792
39.00	10509	131.00	877	218.00	1854	317.00	192
40.00	111	132.00	146	219.00	179	318.00	36
41.00	53	133.00	6	221.00	19344	319.00	76
42.00	305	134.00	1464	224.00	29792	320.00	164
45.00	363	135.00	3935	225.00	8222	321.00	533
46.00	106	136.00	1125	227.00	9982	323.00	4760
47.00	80	137.00	1647	228.00	1811	324.00	968
48.00	107	138.00	207	229.00	2455	325.00	107
49.00	383	139.00	363	230.00	88	326.00	90
50.00	30072	141.00	5523	231.00	1410	327.00	826
51.00	125544	142.00	1942	233.00	342	328.00	560
52.00	5657	143.00	1450	234.00	967	329.00	126
53.00	38	144.00	509	235.00	752	332.00	293
54.00	90	145.00	282	236.00	365	333.00	251
55.00	260	146.00	965	237.00	870	334.00	3195
56.00	3650	147.00	2871	239.00	202	335.00	739
57.00	8432	148.00	5590	240.00	601	336.00	117
58.00	601	149.00	927	241.00	415	339.00	47
59.00	121	150.00	426	242.00	1469	340.00	105
60.00	209	151.00	807	243.00	243	341.00	580
61.00	1379	152.00	843	244.00	24912	342.00	173
62.00	1251	153.00	1829	245.00	3656	346.00	1136
63.00	4344	154.00	1577	246.00	3784	347.00	222
64.00	50	155.00	2898	247.00	589	350.00	52
65.00	1758	156.00	4144	249.00	954	351.00	88
66.00	182	157.00	904	250.00	252	352.00	1663
67.00	62	158.00	998	251.00	132	353.00	1058
69.00	124672	159.00	810	252.00	317	354.00	1849
70.00	357	160.00	1540	253.00	374	355.00	225
71.00	114	161.00	2460	255.00	114200	356.00	35
72.00	51	162.00	831	256.00	17920	357.00	72
73.00	238	163.00	241	257.00	1626	359.00	145
74.00	8690	164.00	225	258.00	5975	360.00	89

Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	15917	165.00	1814	259.00	693	365.00	5669
77.00	116568	166.00	1554	260.00	222	366.00	817
78.00	7783	167.00	9906	261.00	256	367.00	44
79.00	6553	168.00	4665	265.00	1951	369.00	82
80.00	5448	169.00	849	266.00	458	370.00	185
81.00	6775	170.00	170	267.00	104	371.00	605
82.00	1264	171.00	480	269.00	39	372.00	2990
83.00	2170	172.00	843	271.00	404	373.00	659
84.00	151	173.00	1320	272.00	68	374.00	98
85.00	1063	174.00	2162	273.00	3553	377.00	42
86.00	1722	175.00	3678	274.00	5691	382.00	43
87.00	1086	176.00	1999	275.00	55368	383.00	929
88.00	562	177.00	1223	276.00	8194	384.00	236
89.00	272	179.00	7821	277.00	3679	385.00	50
90.00	124	180.00	5118	278.00	613	389.00	54
91.00	1683	181.00	2855	279.00	176	390.00	480
92.00	2122	182.00	492	280.00	148	391.00	65
93.00	10591	183.00	405	282.00	79	392.00	154
94.00	753	184.00	736	283.00	663	393.00	35
95.00	67	186.00	30184	284.00	282	401.00	251
96.00	590	187.00	7576	285.00	575	402.00	1395
98.00	7381	188.00	769	286.00	143	403.00	1684
99.00	5987	189.00	1487	288.00	100	404.00	684
101.00	4445	190.00	440	289.00	239	405.00	58
102.00	313	191.00	881	290.00	108	410.00	65
103.00	1738	192.00	2186	291.00	124	419.00	38
104.00	2635	193.00	2138	292.00	181	421.00	1575
105.00	1455	194.00	661	293.00	982	422.00	751
107.00	28056	195.00	144	294.00	218	423.00	11418
108.00	4847	196.00	10486	296.00	12113	424.00	2015
110.00	77576	198.00	297856	297.00	1483	425.00	240
111.00	10385	199.00	20536	298.00	80	428.00	42
112.00	1161	200.00	1381	300.00	52	434.00	45
113.00	430	201.00	1689	301.00	162	436.00	38
117.00	18736	203.00	1681	302.00	202	441.00	36960

Data File: /chem3/nt1.i/20060808.b/df0808.d

Date : 08-AUG-2006 09:11

Client ID:

Instrument: nt1.i

Sample Info: DF0808

Operator: YZ

Column phase: ZB-5

Column diameter: 0.25

Data File: df0808.d
Spectrum: Avg. Scans 311-313 (7.22), Background Scan 308
Location of Maximum: 198.00
Number of points: 312

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	1227	204.00	7742	303.00	1602	442.00	207744
119.00	354	205.00	14639	304.00	421	443.00	39248
120.00	454	206.00	56968	305.00	72	444.00	3801
122.00	2436	207.00	7109	308.00	220	445.00	202
123.00	3023	208.00	1670	309.00	210	448.00	35
124.00	1671	209.00	609	310.00	141		
125.00	1179	210.00	1189	311.00	118		
127.00	133056	211.00	2535	313.00	68		
128.00	5865	214.00	45	314.00	815		

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

Data file: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Method: /chem3/nt1.i/20060808.b/ddt.b/sw846ddt.m
Analysis Date: 08-AUG-2006 09:11

ARI ID: DF0808
Misc:
Instrument: nt1.i

COMPOUND	RT	AREA
Pentachlorophenol	6.733	469204
Benzidine	8.554	2971908
4,4'-DDE	8.820	5475
4,4'-DDD	9.239	41647
4,4'-DDT	9.607	1012026

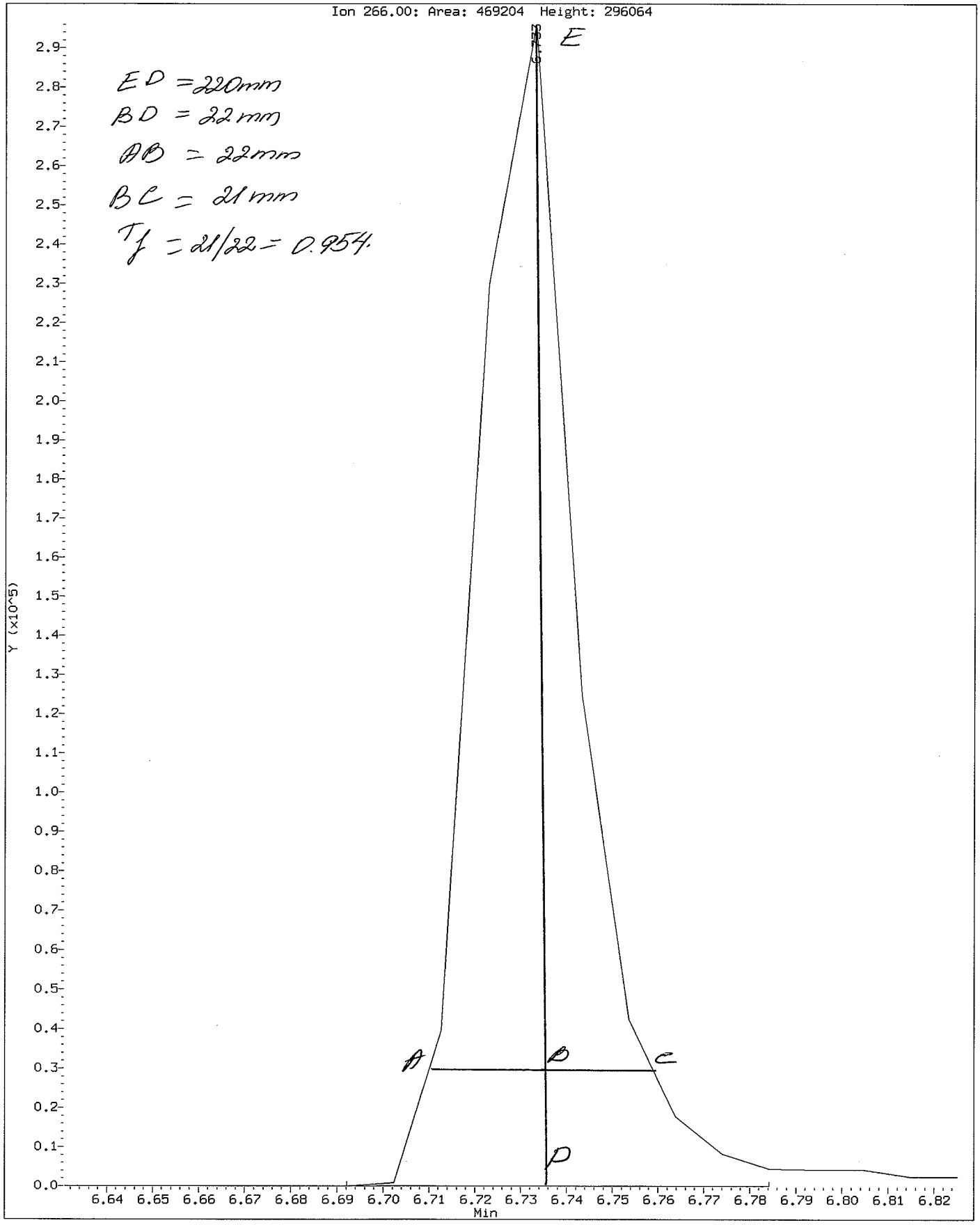
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(5475 + 41647) * 100}{(5475 + 41647 + 1012026)}$$

DDT Percent Breakdown = 4.4 %

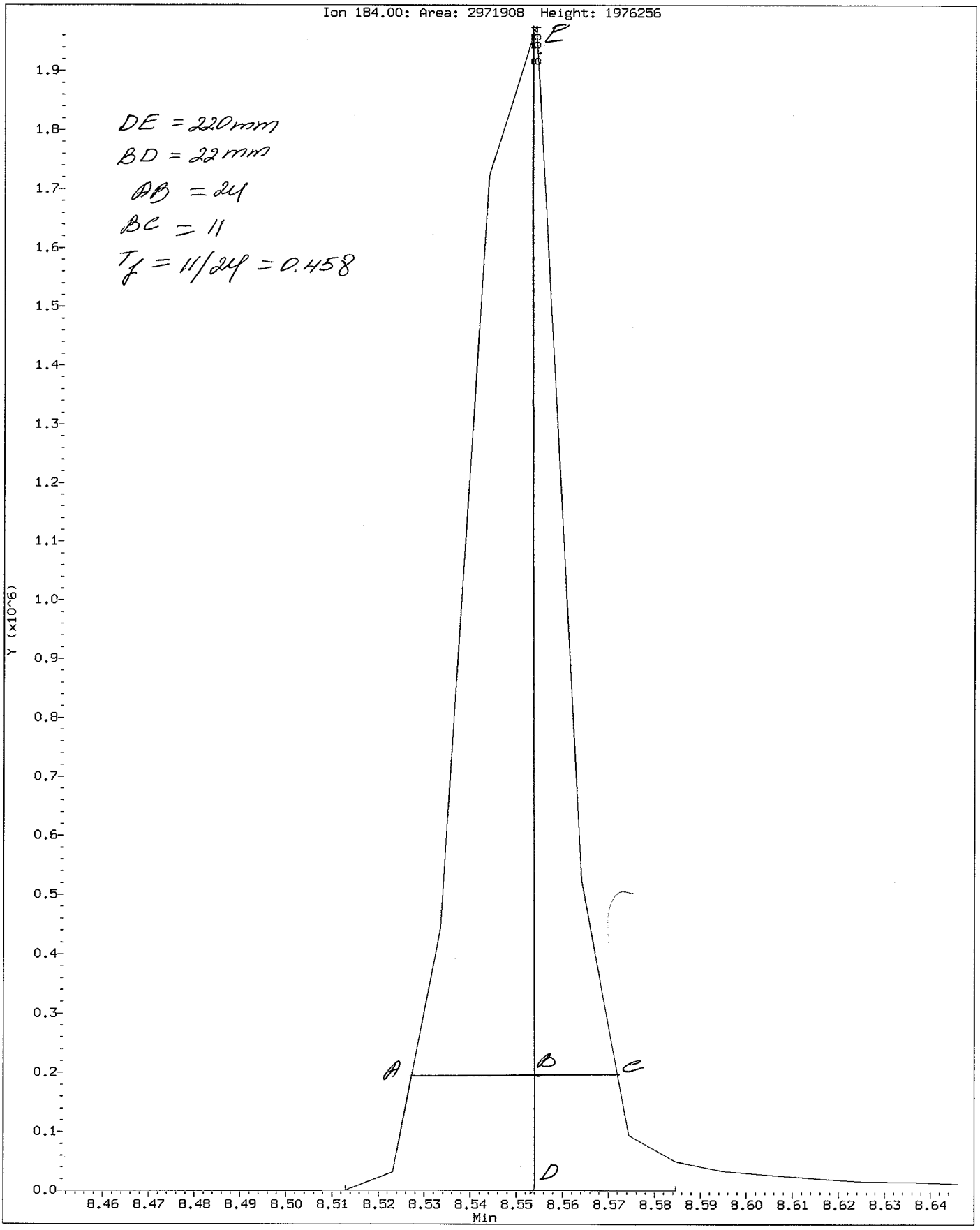
Data File: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Injection Date: 08-AUG-2006 09:11
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem3/nt1.i/20060808.b/ddt.b/df0808.d
Injection Date: 08-AUG-2006 09:11
Instrument: nt1.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

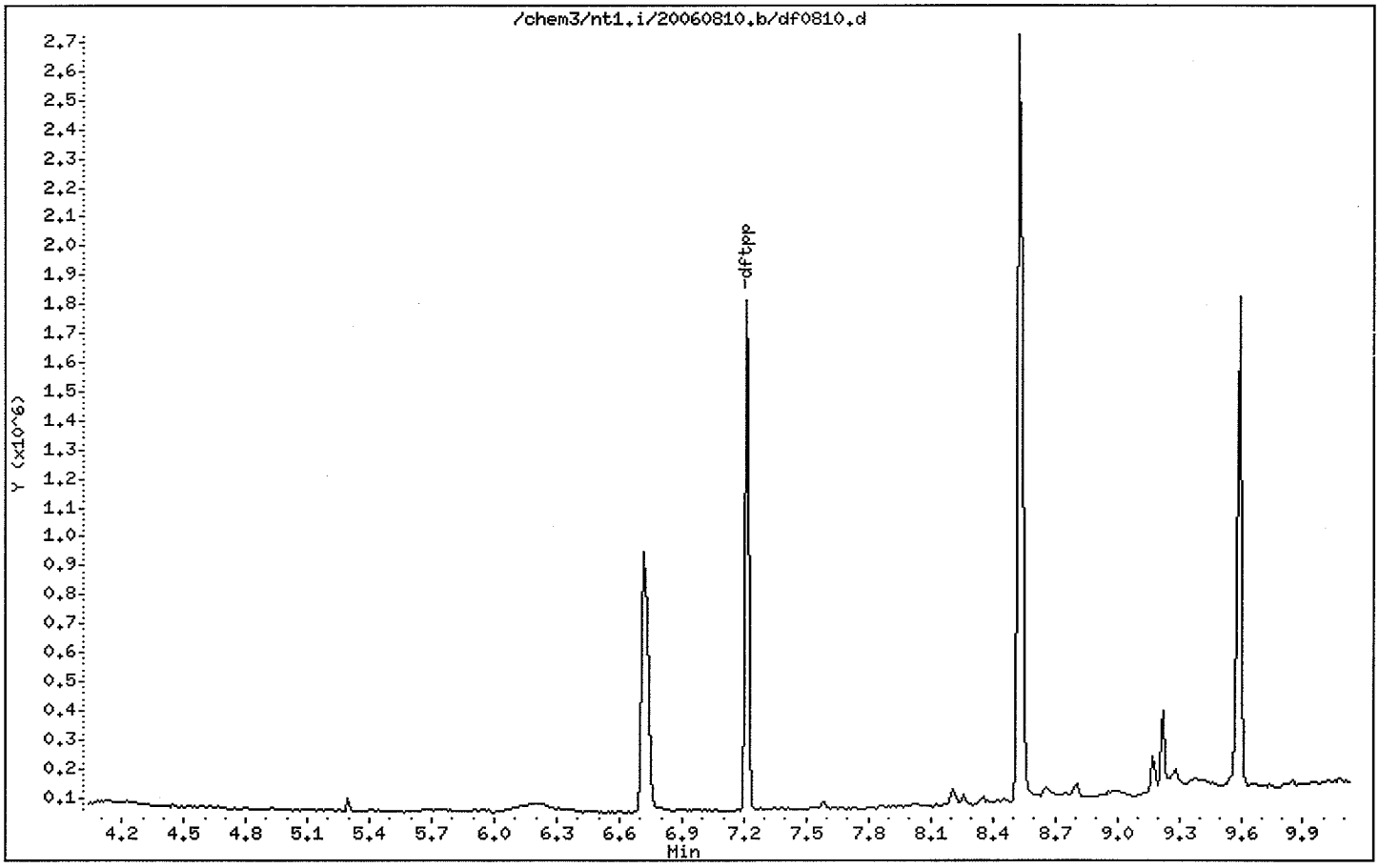
Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

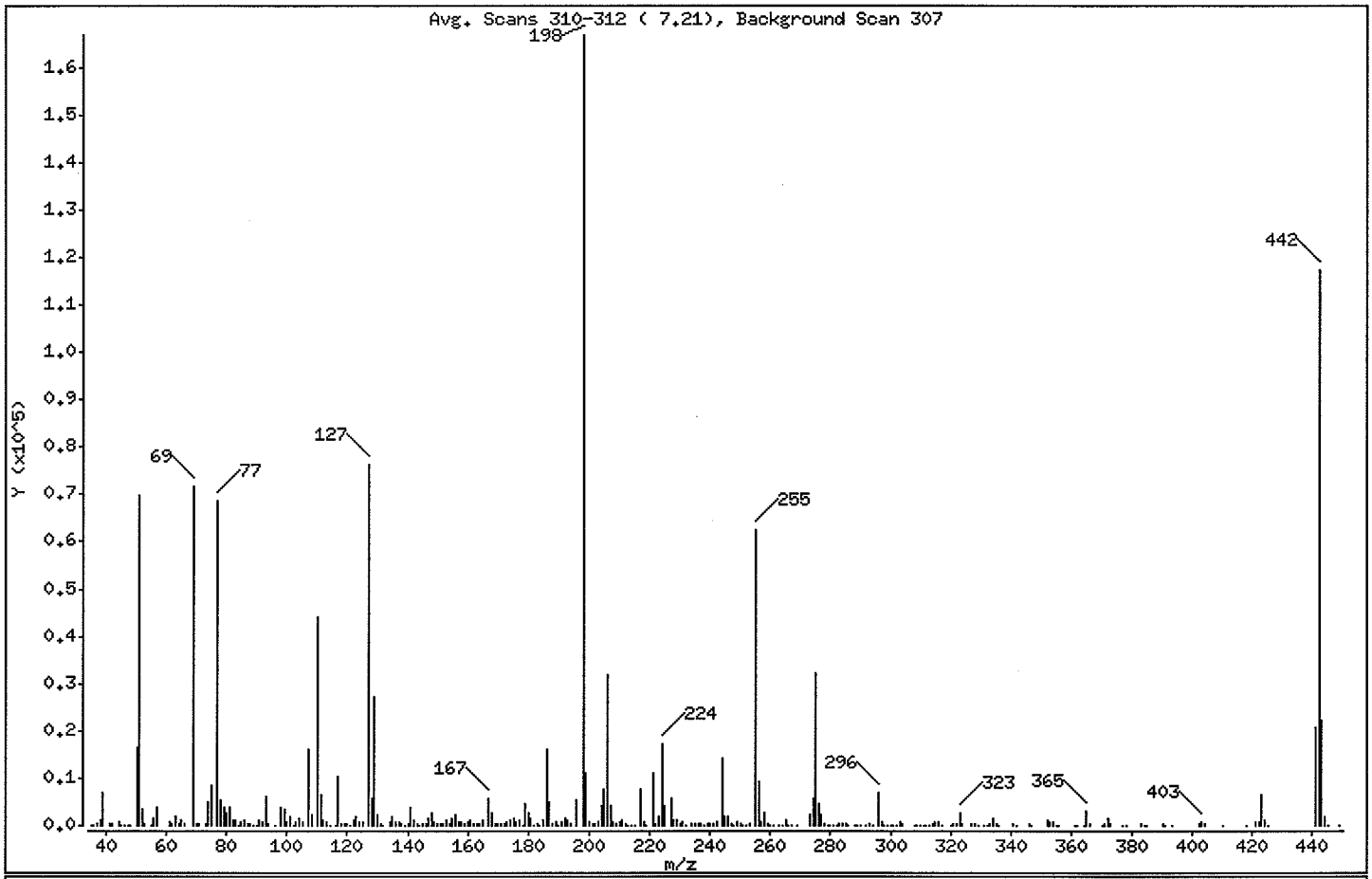
Sample Info: DF0810

Operator: VTS

Column phase: ZB-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	41.73
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.91
70	Less than 2.00% of mass 69	0.32 (0.74)
127	25.00 - 75.00% of mass 198	45.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	19.35
365	Greater than 0.75% of mass 198	1.83
441	Present, but less than mass 443	12.51
442	40.00 - 110.00% of mass 198	70.22
443	15.00 - 24.00% of mass 442	13.34 (19.00)

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d
Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	98	128.00	5803	208.00	888	298.00	43
36.00	52	129.00	27200	209.00	266	299.00	58
37.00	319	130.00	2360	210.00	860	300.00	37
38.00	991	131.00	416	211.00	1314	301.00	154
39.00	6882	132.00	40	212.00	212	302.00	60
41.00	290	134.00	691	213.00	149	303.00	814
42.00	319	135.00	1946	214.00	85	304.00	268
44.00	717	136.00	825	215.00	166	308.00	156
45.00	153	137.00	827	217.00	7819	309.00	92
46.00	115	138.00	327	218.00	865	310.00	107
47.00	3	139.00	106	219.00	38	311.00	47
48.00	47	140.00	352	221.00	11248	312.00	40
50.00	16472	141.00	3765	222.00	526	313.00	38
51.00	69592	142.00	1062	223.00	1822	314.00	365
52.00	3635	143.00	566	224.00	17296	315.00	728
53.00	234	144.00	180	225.00	4055	316.00	576
55.00	173	145.00	304	227.00	5726	317.00	62
56.00	1685	146.00	308	228.00	1036	320.00	56
57.00	3722	147.00	1424	229.00	1216	321.00	332
61.00	793	148.00	2805	230.00	238	322.00	242
62.00	460	149.00	864	231.00	791	323.00	2863
63.00	2020	150.00	399	232.00	177	324.00	445
64.00	199	151.00	508	234.00	470	327.00	527
65.00	1010	152.00	197	235.00	501	328.00	320
66.00	384	153.00	1020	236.00	336	329.00	92
69.00	71544	154.00	525	237.00	410	331.00	35
70.00	531	155.00	1533	238.00	6	332.00	124
71.00	354	156.00	2436	239.00	441	333.00	305
73.00	428	157.00	603	240.00	333	334.00	1522
74.00	5113	158.00	604	241.00	548	335.00	378
75.00	8347	159.00	435	242.00	729	336.00	128
77.00	68432	160.00	934	244.00	14009	341.00	352
78.00	5351	161.00	1329	245.00	1944	342.00	128
79.00	3771	162.00	284	246.00	2047	346.00	457
80.00	2668	163.00	225	247.00	238	347.00	162

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d
Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	3966	164.00	201	248.00	112	352.00	1040
82.00	978	165.00	1100	249.00	597	353.00	759
83.00	992	167.00	5837	250.00	247	354.00	724
84.00	175	168.00	2718	251.00	152	355.00	174
85.00	779	169.00	486	252.00	129	356.00	36
86.00	1316	170.00	277	253.00	379	361.00	34
87.00	421	171.00	268	255.00	62504	362.00	41
88.00	277	172.00	512	256.00	9077	364.00	89
89.00	140	173.00	633	257.00	827	365.00	3056
90.00	37	174.00	1180	258.00	2646	366.00	375
91.00	1070	175.00	1711	259.00	523	370.00	40
92.00	874	176.00	867	260.00	30	371.00	225
93.00	6164	177.00	1031	261.00	102	372.00	1675
94.00	414	178.00	113	263.00	60	373.00	407
96.00	169	179.00	4611	264.00	153	377.00	40
98.00	3956	180.00	2752	265.00	1340	378.00	50
99.00	3447	181.00	1518	266.00	38	383.00	343
100.00	613	182.00	120	267.00	153	384.00	146
101.00	1996	183.00	348	269.00	112	385.00	38
102.00	176	184.00	52	273.00	2174	390.00	200
103.00	843	185.00	968	274.00	5598	391.00	169
104.00	1584	186.00	16080	275.00	32264	393.00	49
105.00	950	187.00	4997	276.00	4424	402.00	518
107.00	16066	188.00	473	277.00	2170	403.00	825
108.00	2370	189.00	680	278.00	405	404.00	293
110.00	44248	190.00	134	279.00	58	410.00	68
111.00	6597	191.00	649	280.00	84	418.00	40
112.00	988	192.00	1535	281.00	165	421.00	695
113.00	598	193.00	1261	282.00	51	422.00	858
114.00	140	194.00	327	283.00	265	423.00	6455
116.00	143	196.00	5444	284.00	231	424.00	1199
117.00	10341	198.00	166720	285.00	402	425.00	76
118.00	315	199.00	11234	286.00	143	441.00	20864
119.00	540	200.00	932	288.00	114	442.00	117096
120.00	283	201.00	379	289.00	133	443.00	22248

Data File: /chem3/nt1.i/20060810.b/df0810.d

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0810.d
Spectrum: Avg. Scans 310-312 (7.21), Background Scan 307
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
121.00	94	202.00	214	290.00	86	444.00	1940
122.00	1032	203.00	769	292.00	179	445.00	53
123.00	1797	204.00	4348	293.00	417	449.00	37
124.00	806	205.00	7645	294.00	120		
125.00	896	206.00	31816	296.00	6736		
127.00	76136	207.00	4081	297.00	811		

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: MB-080106
METHOD BLANK

Lab Sample ID: MB-080106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 11:15
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	5.0	< 5.0 U
90-12-0	1-Methylnaphthalene	5.0	< 5.0 U
208-96-8	Acenaphthylene	5.0	< 5.0 U
83-32-9	Acenaphthene	5.0	< 5.0 U
86-73-7	Fluorene	5.0	< 5.0 U
85-01-8	Phenanthrene	5.0	< 5.0 U
120-12-7	Anthracene	5.0	< 5.0 U
206-44-0	Fluoranthene	5.0	< 5.0 U
129-00-0	Pyrene	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	5.0	< 5.0 U
218-01-9	Chrysene	5.0	< 5.0 U
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0 U
207-08-9	Benzo(k)fluoranthene	5.0	< 5.0 U
50-32-8	Benzo(a)pyrene	5.0	< 5.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	< 5.0 U
53-70-3	Dibenz(a,h)anthracene	5.0	< 5.0 U
191-24-2	Benzo(g,h,i)perylene	5.0	< 5.0 U
198-55-0	Perylene	5.0	< 5.0 U
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	< 5.0 U
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	< 5.0 U
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	< 5.0 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	62.3%
d14-Dibenzo(a,h)anthracen	74.3%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35mb.d
Lab Smp Id: JQ35MBS1 Client Smp ID: JQ35MBS1
Inj Date : 07-AUG-2006 11:15
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35MBS1
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.889	6.891	(1.000)	196430	2.00000	
2 Naphthalene	128	Compound Not Detected.					
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	94855	1.87482	93.74
4 2-Methylnaphthalene	142	Compound Not Detected.					
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.952	8.954	(1.000)	104230	2.00000	
9 Acenaphthene	153	Compound Not Detected.					
10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	Compound Not Detected.					
* 15 Phenanthrene-d10	188	10.766	10.762	(1.000)	173132	2.00000	
16 Phenanthrene	178	Compound Not Detected.					
17 Anthracene	178	Compound Not Detected.					
19 Fluoranthene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	Compound Not Detected.					
22 Benzo(a)anthracene	228	Compound Not Detected.					
* 23 Chrysene-d12	240	14.082	14.078	(1.000)	159409	2.00000	
24 Chrysene	228	Compound Not Detected.					
28 Benzo(b)fluoranthene	252	Compound Not Detected.					
29 Benzo(k)fluoranthene	252	Compound Not Detected.					
30 Benzo(a)pyrene	252	Compound Not Detected.					
* 31 Perylene-d12	264	16.032	16.034	(1.000)	172927	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
$ 32 Dibenz(a,h)anthrancene-d14	292	17.923	17.931	(1.118)	147698	2.23180	111.6
34 Dibenz(a,h)anthracene	278	Compound Not Detected.					
35 Benzo(g,h,i)perylene	276	Compound Not Detected.					
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35mb.d
Lab Smp Id: JQ35MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: JQ35MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	196430	-14.98
8 Acenaphthene-d10	129131	64566	258262	104230	-19.28
15 Phenanthrene-d10	212850	106425	425700	173132	-18.66
23 Chrysene-d12	190817	95408	381634	159409	-16.46
31 Perylene-d12	197592	98796	395184	172927	-12.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.03
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.04
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.03
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

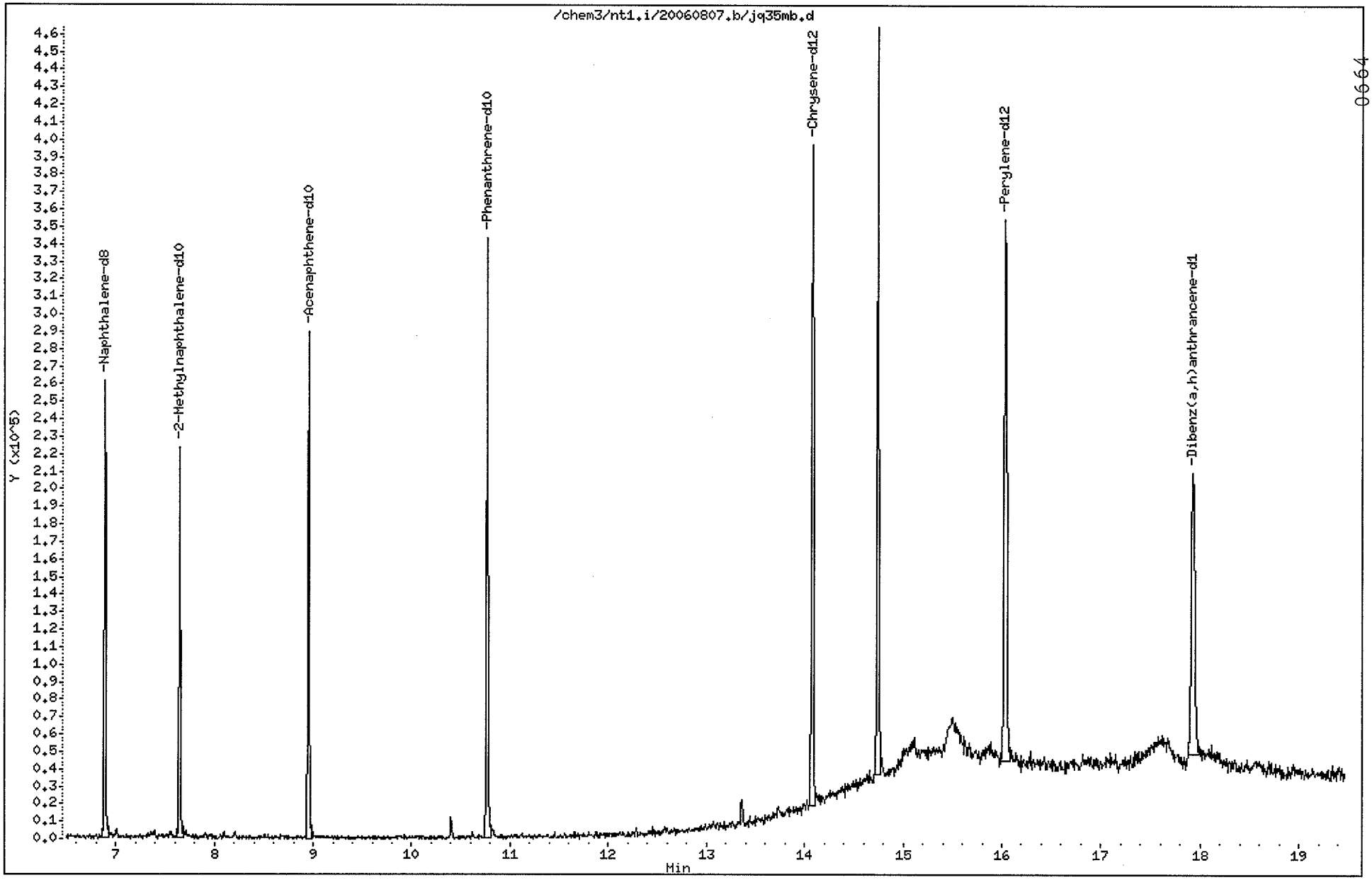
Client SDG: JQ35
Fraction: SV
Client Smp ID: JQ35MBS1
Operator: VTS
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	93.74	62.49	32-97
$ 32 Dibenz(a,h)anthran	150.0	111.6	74.39	21-105

Data File: /chem3/nt1.i/20060807.b/jq35mb.d
Date : 07-AUG-2006 11:15
Client ID: JQ35MBS1
Sample Info: JQ35MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



0664

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-S3-08-C
MATRIX SPIKE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 21:10
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**6.2**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**30**
86-73-7	**Fluorene**	**4.8**	**13**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**28**
206-44-0	**Fluoranthene**	**4.8**	**280**
129-00-0	**Pyrene**	**4.8**	**250**
56-55-3	**Benzo(a)anthracene**	**4.8**	**180**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**210**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**240**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**120**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**47**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**130**
198-55-0	**Perylene**	**4.8**	**75**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	1-Methylphenanthrene	4.8	< 4.8 U
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	73.3%
d14-Dibenzo(a,h)anthracen	73.7%

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35pms.d
Lab Smp Id: JQ35PMS
Client Smp ID: T4-S3-08-C MS
Inj Date : 07-AUG-2006 21:10
Operator : VTS
Inst ID: nt1.i
Smp Info : JQ35PMS
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev
Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28
Cal File: ic0806f.d
Als bottle: 25
QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: pnat4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	12.50000	Weight of sample extracted (g)
M	16.70000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.884	6.891	(1.000)	290178	2.00000	
2 Naphthalene	128	6.908	6.915	(1.003)	19383	0.13392	6.431
$ 3 2-Methylnaphthalene-d10	152	7.641	7.648	(1.110)	164792	2.20485	105.9
4 2-Methylnaphthalene	142	7.682	7.683	(1.116)	5206	0.06074 J	2.916
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.953	8.954	(1.000)	154050	2.00000	
9 Acenaphthene	153	8.988	8.989	(1.004)	47458	0.62741	30.13
10 Dibenzofuran	168	9.178	9.178	(1.025)	11414	0.10244	4.919
11 Fluorene	166	9.603	9.604	(1.073)	23511	0.27106	13.02
* 15 Phenanthrene-d10	188	10.761	10.762	(1.000)	255867	2.00000	
16 Phenanthrene	178	10.791	10.792	(1.003)	640447	4.87653	234.2(R)
17 Anthracene	178	10.844	10.851	(1.008)	78069	0.59483	28.56
19 Fluoranthene	202	12.286	12.287	(1.142)	778380	5.81072	279.0
20 Pyrene	202	12.576	12.577	(0.893)	772252	5.28776	253.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.059	14.054	(0.999)	500677	3.65563	175.5
* 23 Chrysene-d12	240	14.077	14.078	(1.000)	227439	2.00000	
24 Chrysene	228	14.113	14.107	(1.003)	916535	7.25530	348.4(R)
28 Benzo(b)fluoranthene	252	15.454	15.455	(0.964)	559013	4.40869	211.7
29 Benzo(k)fluoranthene	252	15.484	15.484	(0.966)	1014807	7.50715	360.5(R)
30 Benzo(a)pyrene	252	15.951	15.951	(0.995)	620658	5.02345	241.2
* 31 Perylene-d12	264	16.033	16.034	(1.000)	224669	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.001	18.002	(1.123)	363095	2.55548	122.7
$ 32 Dibenz(a,h)anthrancene-d14	292	17.919	17.931	(1.118)	189649	2.20573	105.9
34 Dibenz(a,h)anthracene	278	17.984	17.996	(1.122)	113066	0.97409	46.78
35 Benzo(g,h,i)perylene	276	18.586	18.581	(1.159)	311280	2.63553	126.6
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	15.874	15.869	(0.990)	409108	2.99138	143.6
53 Perylene	252	16.075	16.075	(1.003)	201970	1.57285	75.53

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35pms.d
Lab Smp Id: JQ35PMS
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-08-C MS
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	290178	25.60
8 Acenaphthene-d10	129131	64566	258262	154050	19.30
15 Phenanthrene-d10	212850	106425	425700	255867	20.21
23 Chrysene-d12	190817	95408	381634	227439	19.19
31 Perylene-d12	197592	98796	395184	224669	13.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.88	-0.10
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.01
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.01
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35PMS
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-C MS
Operator: VTS
SampleType: MS
Quant Type: ISTD

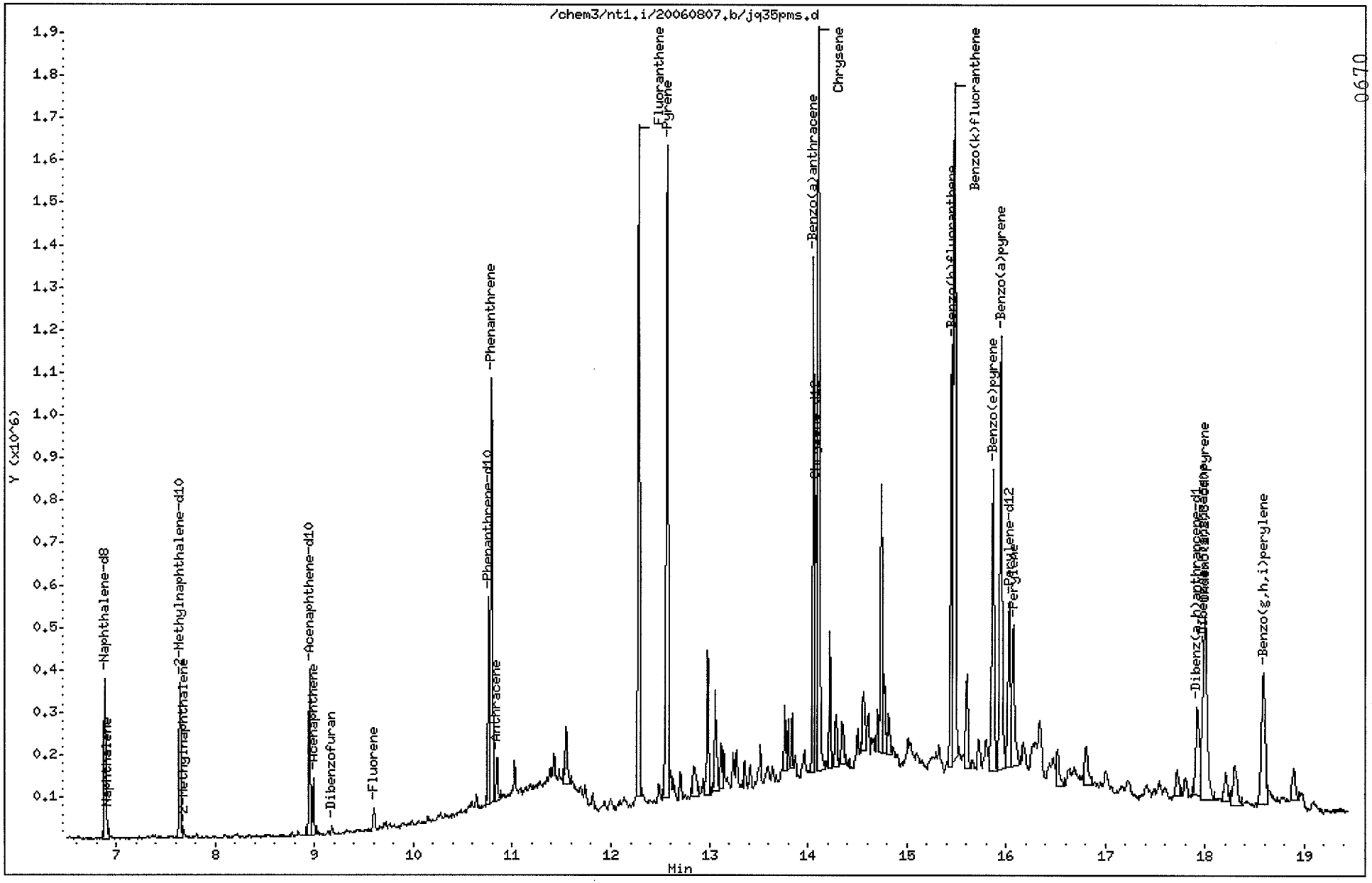
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	144.1	234.2	162.55*	46-107
24 Chrysene	144.1	348.4	241.84*	49-108
29 Benzo(k)fluoranthe	144.1	360.5	250.24*	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.1	105.9	73.50	32-97
$ 32 Dibenz(a,h)anthran	144.1	105.9	73.52	21-105

Data File: /chem3/nt1.i/20060807.b/jq35pms.d
Date : 07-AUG-2006 21:10
Client ID: T4-S3-08-C MS
Sample Info: JQ35PMS
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



0690

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: T4-S3-08-C
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized: VTS
Reported: 08/09/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 08/01/06
Date Analyzed: 08/07/06 21:35
Instrument/Analyst: NT1/YZ
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.4 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**6.2**
91-57-6	2-Methylnaphthalene	4.8	< 4.8 U
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**32**
86-73-7	**Fluorene**	**4.8**	**16**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**29**
206-44-0	**Fluoranthene**	**4.8**	**300**
129-00-0	**Pyrene**	**4.8**	**280**
56-55-3	**Benzo(a)anthracene**	**4.8**	**190**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**210**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**240**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**120**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**47**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**120**
198-55-0	**Perylene**	**4.8**	**75**
92-52-4	Biphenyl	4.8	< 4.8 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**7.7**
192-97-2	**Benzo(e)pyrene**	**4.8**	**140**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in μg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	60.0%
d14-Dibenzo(a,h)anthracen	61.7%

FORM I

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35pmsd.d
Lab Smp Id: JQ35PMSD — Client Smp ID: T4-S3-08-C MSD
Inj Date : 07-AUG-2006 21:35
Operator : VTS — Inst ID: nt1.i
Smp Info : JQ35PMSD
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev — Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 — Cal File: ic0806f.d
Als bottle: 26 — QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: pnat4.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	12.50000	Weight of sample extracted (g)
M	16.70000	% Moisture (not decanted)

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.889	6.891	(1.000)	319462	2.00000	
2 Naphthalene	128	6.907	6.915	(1.003)	20658	0.12964	6.225
$ 3 2-Methylnaphthalene-d10	152	7.646	7.648	(1.110)	148270	1.80195	86.53
4 2-Methylnaphthalene	142	7.681	7.683	(1.115)	6543	0.06934 J	3.329
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.952	8.954	(1.000)	166317	2.00000	
9 Acenaphthene	153	8.987	8.989	(1.004)	54431	0.66652	32.01
10 Dibenzofuran	168	9.176	9.178	(1.025)	16032	0.13328	6.400
11 Fluorene	166	9.602	9.604	(1.073)	31647	0.33795	16.23
* 15 Phenanthrene-d10	188	10.760	10.762	(1.000)	267717	2.00000	
16 Phenanthrene	178	10.790	10.792	(1.003)	660619	4.80748	230.9(R)
17 Anthracene	178	10.849	10.851	(1.008)	83565	0.60853	29.22
19 Fluoranthene	202	12.285	12.287	(1.142)	885647	6.31884	303.4
20 Pyrene	202	12.575	12.577	(0.893)	854837	5.71995	274.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
22 Benzo(a)anthracene	228	14.058	14.054	(0.999)	545461	3.89192	186.9
* 23 Chrysene-d12	240	14.076	14.078	(1.000)	232739	2.00000	
24 Chrysene	228	14.111	14.107	(1.003)	905288	7.00308	336.3(R)
28 Benzo(b)fluoranthene	252	15.453	15.455	(0.964)	578133	4.37190	209.9
29 Benzo(k)fluoranthene	252	15.482	15.484	(0.966)	1037634	7.36021	353.4(R)
30 Benzo(a)pyrene	252	15.949	15.951	(0.995)	648868	5.03570	241.8
* 31 Perylene-d12	264	16.032	16.034	(1.000)	234309	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.000	18.002	(1.123)	372799	2.51583	120.8
$ 32 Dibenz(a,h)anthrancene-d14	292	17.923	17.931	(1.118)	166036	1.85164	88.91
34 Dibenz(a,h)anthracene	278	17.988	17.996	(1.122)	119235	0.98497	47.30
35 Benzo(g,h,i)perylene	276	18.585	18.581	(1.159)	317907	2.58090	123.9
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	11.564	11.566	(0.822)	14919	0.15660	7.520
52 Benzo(e)pyrene	252	15.873	15.869	(0.990)	429994	3.01474	144.8
53 Perylene	252	16.074	16.075	(1.003)	208216	1.55478	74.66

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35pmsd.d
Lab Smp Id: JQ35PMSD
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-08-C MSD
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	319462	38.27
8 Acenaphthene-d10	129131	64566	258262	166317	28.80
15 Phenanthrene-d10	212850	106425	425700	267717	25.78
23 Chrysene-d12	190817	95408	381634	232739	21.97
31 Perylene-d12	197592	98796	395184	234309	18.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.03
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.02
15 Phenanthrene-d10	10.76	10.26	11.26	10.76	-0.02
23 Chrysene-d12	14.08	13.58	14.58	14.08	-0.01
31 Perylene-d12	16.03	15.53	16.53	16.03	-0.01

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35PMSD
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

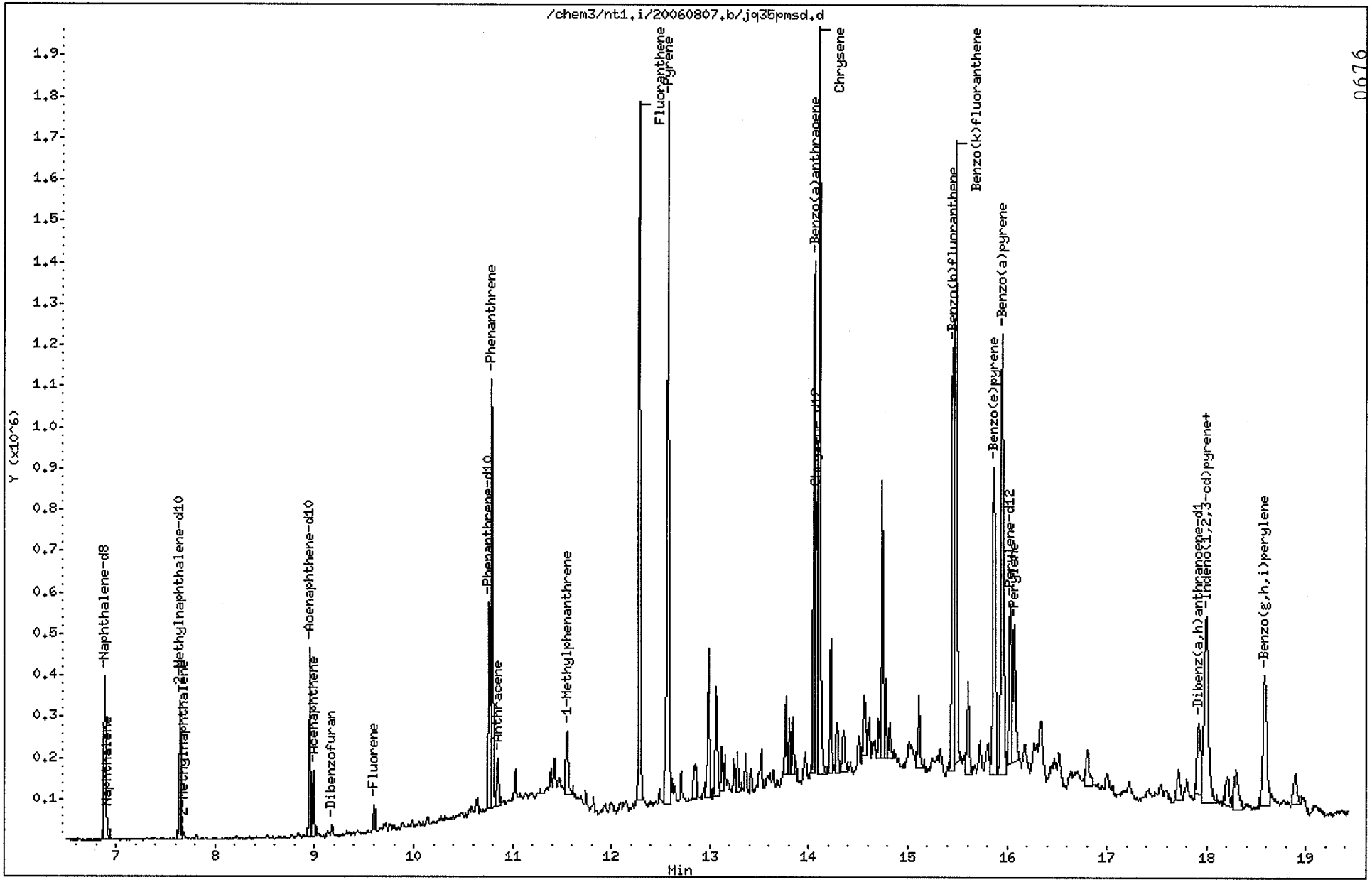
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-C MSD
Operator: VTS
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	144.1	230.9	160.25*	46-107
24 Chrysene	144.1	336.3	233.44*	49-108
29 Benzo(k)fluoranthe	144.1	353.4	245.34*	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	144.1	86.53	60.06	32-97
$ 32 Dibenz(a,h)anthran	144.1	88.91	61.72	21-105

Data File: /chem3/nt1.i/20060807.b/jq35pmsd.d
Date : 07-AUG-2006 21:35
Client ID: T4-S3-08-C MSD
Sample Info: JQ35PMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0676

YZ 8/9/06

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060807.b/jq35sb.d
Lab Smp Id: JQ35LCSS1 Client Smp ID: JQ35LCSS1
Inj Date : 07-AUG-2006 11:40
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35LCSS1
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060807.b/simpna.m
Meth Date : 07-Aug-2006 11:35 yev Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.888	6.891	(1.000)	226245	2.00000	
2 Naphthalene	128	6.912	6.915	(1.003)	225362	1.99700	99.85
$ 3 2-Methylnaphthalene-d10	152	7.645	7.648	(1.110)	131653	2.25923	113.0
4 2-Methylnaphthalene	142	7.686	7.683	(1.116)	145343	2.17479	108.7
5 1-Methylnaphthalene	142	7.816	7.813	(1.135)	138277	1.97253	98.63
7 Acenaphthylene	152	8.774	8.771	(0.980)	221193	2.15800	107.9
* 8 Acenaphthene-d10	164	8.951	8.954	(1.000)	123629	2.00000	
9 Acenaphthene	153	8.992	8.989	(1.005)	131698	2.16952	108.5
10 Dibenzofuran	168	9.182	9.178	(1.026)	185863	2.07865	103.9
11 Fluorene	166	9.601	9.604	(1.073)	163099	2.34309	117.2
* 15 Phenanthrene-d10	188	10.766	10.762	(1.000)	200567	2.00000	
16 Phenanthrene	178	10.795	10.792	(1.003)	249111	2.41978	121.0
17 Anthracene	178	10.848	10.851	(1.008)	241336	2.34581	117.3
19 Fluoranthene	202	12.290	12.287	(1.142)	275557	2.62425	131.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.574	12.577	(0.893)	295289	2.47017	123.5
22 Benzo(a)anthracene	228	14.057	14.054	(0.998)	278347	2.48289	124.1
* 23 Chrysene-d12	240	14.081	14.078	(1.000)	186165	2.00000	
24 Chrysene	228	14.111	14.107	(1.002)	269441	2.60578	130.3
28 Benzo(b)fluoranthene	252	15.452	15.455	(0.964)	290370	2.61084	130.5
29 Benzo(k)fluoranthene	252	15.488	15.484	(0.966)	309474	2.61009	130.5
30 Benzo(a)pyrene	252	15.949	15.951	(0.994)	250684	2.31322	115.7
* 31 Perylene-d12	264	16.037	16.034	(1.000)	197062	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	18.005	18.002	(1.123)	295716	2.37283	118.6
$ 32 Dibenz(a,h)anthrancene-d14	292	17.923	17.931	(1.118)	194708	2.58182	129.1
34 Dibenz(a,h)anthracene	278	17.994	17.996	(1.122)	250787	2.46327	123.2
35 Benzo(g,h,i)perylene	276	18.591	18.581	(1.159)	266677	2.57420	128.7
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35sb.d
Lab Smp Id: JQ35LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 10:39
Client Smp ID: JQ35LCSS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	231039	115520	462078	226245	-2.07
8 Acenaphthene-d10	129131	64566	258262	123629	-4.26
15 Phenanthrene-d10	212850	106425	425700	200567	-5.77
23 Chrysene-d12	190817	95408	381634	186165	-2.44
31 Perylene-d12	197592	98796	395184	197062	-0.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.89	6.39	7.39	6.89	-0.04
8 Acenaphthene-d10	8.95	8.45	9.45	8.95	-0.03
15 Phenanthrene-d10	10.76	10.26	11.26	10.77	0.03
23 Chrysene-d12	14.08	13.58	14.58	14.08	0.02
31 Perylene-d12	16.03	15.53	16.53	16.04	0.02

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060807.b/simpna.m
Misc Info: 06-12971

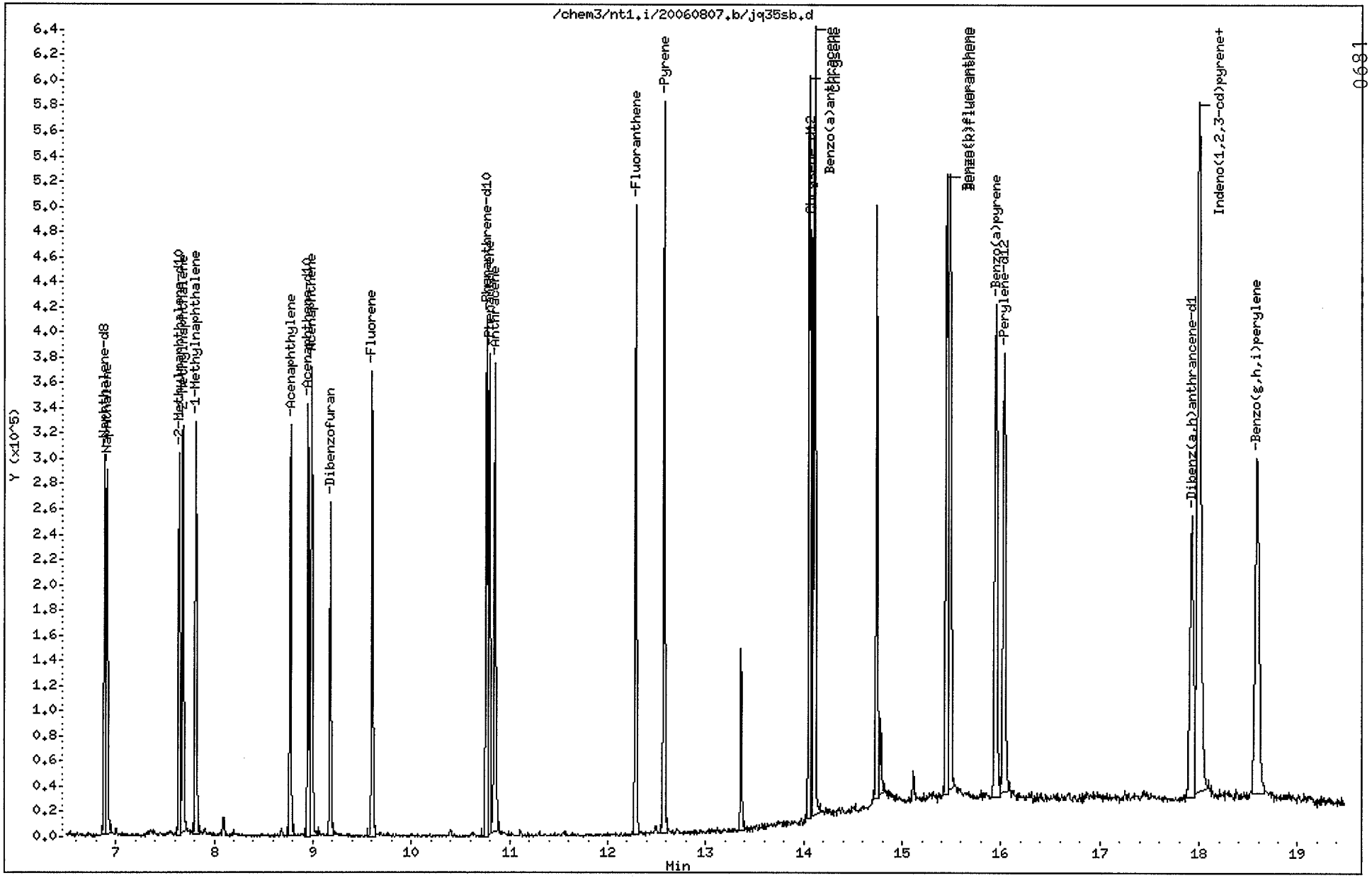
Client SDG: JQ35
Fraction: SV
Client Smp ID: JQ35LCSS1
Operator: VTS
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	150.0	121.0	80.66	46-107
24 Chrysene	150.0	130.3	86.86	49-108
29 Benzo(k)fluoranthe	150.0	130.5	87.00	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	113.0	75.31	32-97
$ 32 Dibenz(a,h)anthran	150.0	129.1	86.06	21-105

Data File: /chem3/nt1.i/20060807.b/jq35sb.d
Date : 07-AUG-2006 11:40
Client ID: JQ35LCSS1
Sample Info: JQ35LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0681

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS

Sample ID: MB-080906
METHOD BLANK

Lab Sample ID: MB-080906
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/09/06
Date Analyzed: 08/10/06 20:24
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: Yes

Sample Amount: 10.0 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
91-20-3	Naphthalene	5.0	< 5.0 U
91-57-6	2-Methylnaphthalene	5.0	< 5.0 U
90-12-0	1-Methylnaphthalene	5.0	< 5.0 U
208-96-8	Acenaphthylene	5.0	< 5.0 U
83-32-9	Acenaphthene	5.0	< 5.0 U
86-73-7	Fluorene	5.0	< 5.0 U
85-01-8	Phenanthrene	5.0	< 5.0 U
120-12-7	Anthracene	5.0	< 5.0 U
206-44-0	Fluoranthene	5.0	< 5.0 U
129-00-0	Pyrene	5.0	< 5.0 U
56-55-3	Benzo(a)anthracene	5.0	< 5.0 U
218-01-9	Chrysene	5.0	< 5.0 U
205-99-2	Benzo(b)fluoranthene	5.0	< 5.0 U
207-08-9	Benzo(k)fluoranthene	5.0	< 5.0 U
50-32-8	Benzo(a)pyrene	5.0	< 5.0 U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	< 5.0 U
53-70-3	Dibenz(a,h)anthracene	5.0	< 5.0 U
191-24-2	Benzo(g,h,i)perylene	5.0	< 5.0 U
198-55-0	Perylene	5.0	< 5.0 U
92-52-4	Biphenyl	5.0	< 5.0 U
581-42-0	2,6-Dimethylnaphthalene	5.0	< 5.0 U
832-69-9	1-Methylphenanthrene	5.0	< 5.0 U
192-97-2	Benzo(e)pyrene	5.0	< 5.0 U
2245-38-7	2,3,5-Trimethylnaphthalene	5.0	< 5.0 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	74.7%
d14-Dibenzo(a,h)anthracen	69.3%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/jq35mbr.d
Lab Smp Id: JQ35MBS2 Client Smp ID: JQ35MBS2
Inj Date : 10-AUG-2006 20:24
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35MBS2
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060810.b/simpna.m
Meth Date : 10-Aug-2006 14:25 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.872	6.874	(1.000)	254449	2.00000	
2 Naphthalene	128	Compound Not Detected.					
$ 3 2-Methylnaphthalene-d10	152	7.628	7.630	(1.110)	147039	2.24357	112.2
4 2-Methylnaphthalene	142	Compound Not Detected.					
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.934	8.937	(1.000)	122720	2.00000	
9 Acenaphthene	153	Compound Not Detected.					
10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	Compound Not Detected.					
* 15 Phenanthrene-d10	188	10.743	10.745	(1.000)	185475	2.00000	
16 Phenanthrene	178	Compound Not Detected.					
17 Anthracene	178	Compound Not Detected.					
19 Fluoranthene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	Compound Not Detected.					
22 Benzo(a)anthracene	228	Compound Not Detected.					
* 23 Chrysene-d12	240	14.058	14.055	(1.000)	162567	2.00000	
24 Chrysene	228	Compound Not Detected.					
28 Benzo(b)fluoranthene	252	Compound Not Detected.					
29 Benzo(k)fluoranthene	252	Compound Not Detected.					
30 Benzo(a)pyrene	252	Compound Not Detected.					
* 31 Perylene-d12	264	16.003	15.999	(1.000)	171882	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
$ 32 Dibenz(a,h)anthrancene-d14	292	17.876	17.873	(1.117)	137051	2.08351	104.2
34 Dibenz(a,h)anthracene	278	Compound Not Detected.					
35 Benzo(g,h,i)perylene	276	Compound Not Detected.					
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

VTS
8.11.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35mbr.d
Lab Smp Id: JQ35MBS2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12971

Calibration Date: 10-AUG-2006
Calibration Time: 13:23
Client Smp ID: JQ35MBS2
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	254449	0.49
8 Acenaphthene-d10	122198	61099	244396	122720	0.43
15 Phenanthrene-d10	181565	90782	363130	185475	2.15
23 Chrysene-d12	143956	71978	287912	162567	12.93
31 Perylene-d12	157395	78698	314790	171882	9.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	-0.03
8 Acenaphthene-d10	8.94	8.44	9.44	8.93	-0.02
15 Phenanthrene-d10	10.75	10.25	11.25	10.74	-0.02
23 Chrysene-d12	14.05	13.55	14.55	14.06	0.03
31 Perylene-d12	16.00	15.50	16.50	16.00	0.02

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35MBS2
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12971

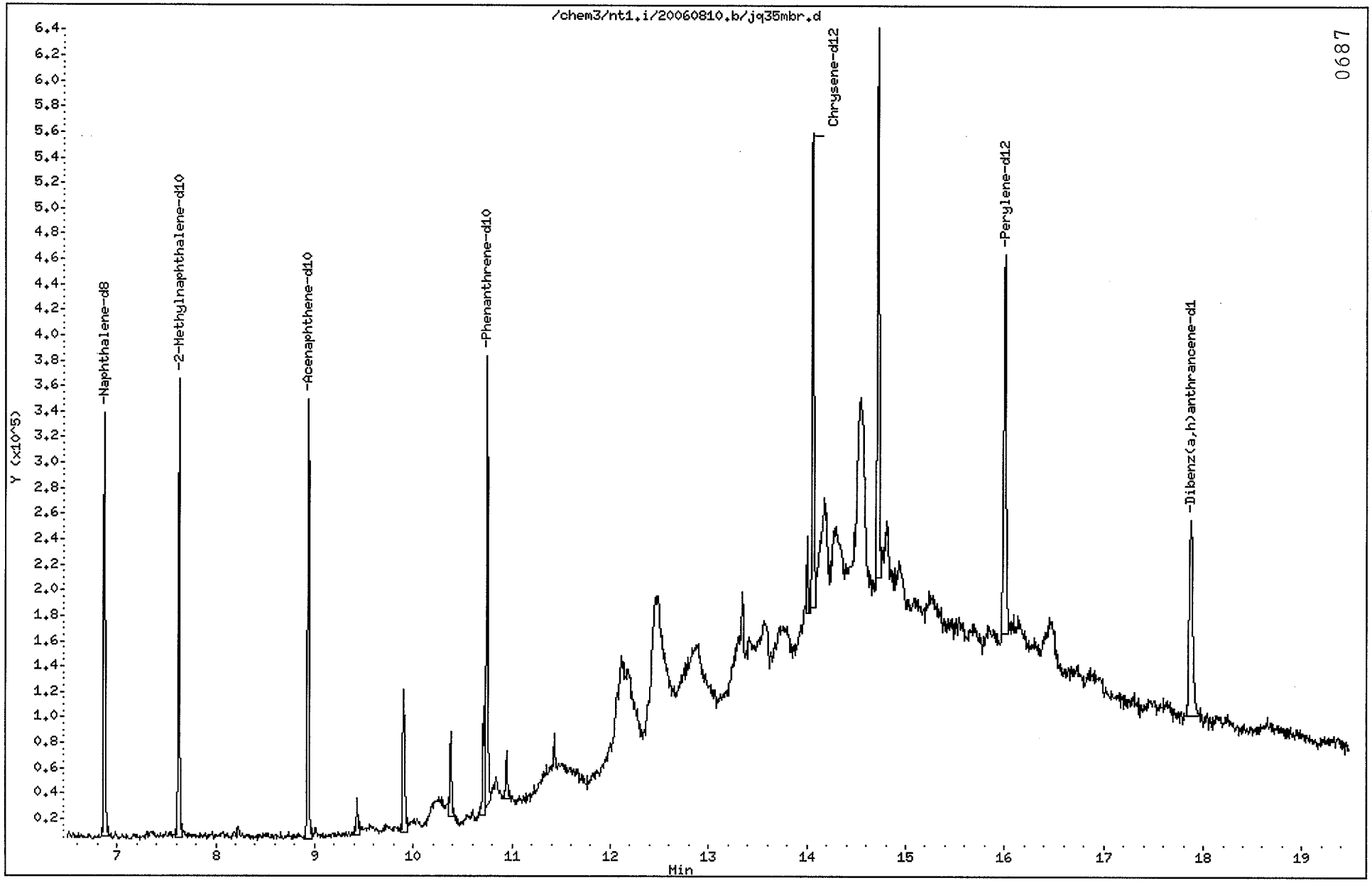
Client SDG: JQ35
Fraction: SV
Client Smp ID: JQ35MBS2
Operator: VTS
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	112.2	74.79	32-97
$ 32 Dibenz(a,h)anthran	150.0	104.2	69.45	21-105

Data File: /chem3/nt1.i/20060810.b/jq35mbr.d
Date : 10-AUG-2006 20:24
Client ID: JQ35MBS2
Sample Info: JQ35MBS2
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060810.b/jq35sbr.d
Lab Smp Id: JQ35LCSS2 Client Smp ID: JQ35LCSS2
Inj Date : 10-AUG-2006 20:49
Operator : VTS Inst ID: nt1.i
Smp Info : JQ35LCSS2
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem3/nt1.i/20060810.b/simpna.m
Meth Date : 10-Aug-2006 14:25 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Vt/(Ws * (100-M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	10.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

"All tunes spiked"

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.873	6.874	(1.000)	257958	2.00000	
2 Naphthalene	128	6.896	6.898	(1.003)	289803	2.25233	112.6
$ 3 2-Methylnaphthalene-d10	152	7.629	7.630	(1.110)	161735	2.43424	121.7
4 2-Methylnaphthalene	142	7.665	7.666	(1.115)	173009	2.27050	113.5
5 1-Methylnaphthalene	142	7.795	7.796	(1.134)	164854	2.06254	103.1
7 Acenaphthylene	152	8.752	8.753	(0.979)	246886	2.38354	119.2
* 8 Acenaphthene-d10	164	8.935	8.937	(1.000)	124932	2.00000	
9 Acenaphthene	153	8.971	8.972	(1.004)	146678	2.39109	119.6
10 Dibenzofuran	168	9.160	9.161	(1.025)	201123	2.22585	111.3
11 Fluorene	166	9.585	9.587	(1.073)	167803	2.38553	119.3
* 15 Phenanthrene-d10	188	10.744	10.745	(1.000)	181087	2.00000	
16 Phenanthrene	178	10.773	10.775	(1.003)	236604	2.54552	127.3
17 Anthracene	178	10.832	10.828	(1.008)	236103	2.54182	127.1
19 Fluoranthene	202	12.269	12.270	(1.142)	242700	2.55997	128.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.558	12.554	(0.893)	258349	2.54771	127.4
22 Benzo(a)anthracene	228	14.036	14.037	(0.998)	246395	2.59100	129.5
* 23 Chrysene-d12	240	14.059	14.055	(1.000)	157919	2.00000	
24 Chrysene	228	14.089	14.090	(1.002)	237654	2.70946	135.5
28 Benzo(b)fluoranthene	252	15.425	15.426	(0.964)	268773	2.85342	142.7
29 Benzo(k)fluoranthene	252	15.460	15.455	(0.966)	278484	2.77322	138.7
30 Benzo(a)pyrene	252	15.921	15.916	(0.995)	236829	2.58034	129.0
* 31 Perylene-d12	264	15.998	15.999	(1.000)	166898	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.954	17.949	(1.122)	192926	1.82783	91.39
$ 32 Dibenz(a,h)anthrancene-d14	292	17.877	17.873	(1.117)	145134	2.27228	113.6
34 Dibenz(a,h)anthracene	278	17.948	17.944	(1.122)	170632	1.97888	98.94
35 Benzo(g,h,i)perylene	276	18.527	18.529	(1.158)	146999	1.67542	83.77
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

UTS
8.11.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq35sbr.d
Lab Smp Id: JQ35LCSS2
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12971

Calibration Date: 10-AUG-2006
Calibration Time: 13:23
Client Smp ID: JQ35LCSS2
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	253209	126604	506418	257958	1.88
8 Acenaphthene-d10	122198	61099	244396	124932	2.24
15 Phenanthrene-d10	181565	90782	363130	181087	-0.26
23 Chrysene-d12	143956	71978	287912	157919	9.70
31 Perylene-d12	157395	78698	314790	166898	6.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.87	6.37	7.37	6.87	-0.02
8 Acenaphthene-d10	8.94	8.44	9.44	8.94	-0.01
15 Phenanthrene-d10	10.75	10.25	11.25	10.74	-0.01
23 Chrysene-d12	14.05	13.55	14.55	14.06	0.03
31 Perylene-d12	16.00	15.50	16.50	16.00	-0.01

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35LCSS2
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060810.b/simpna.m
Misc Info: 06-12971

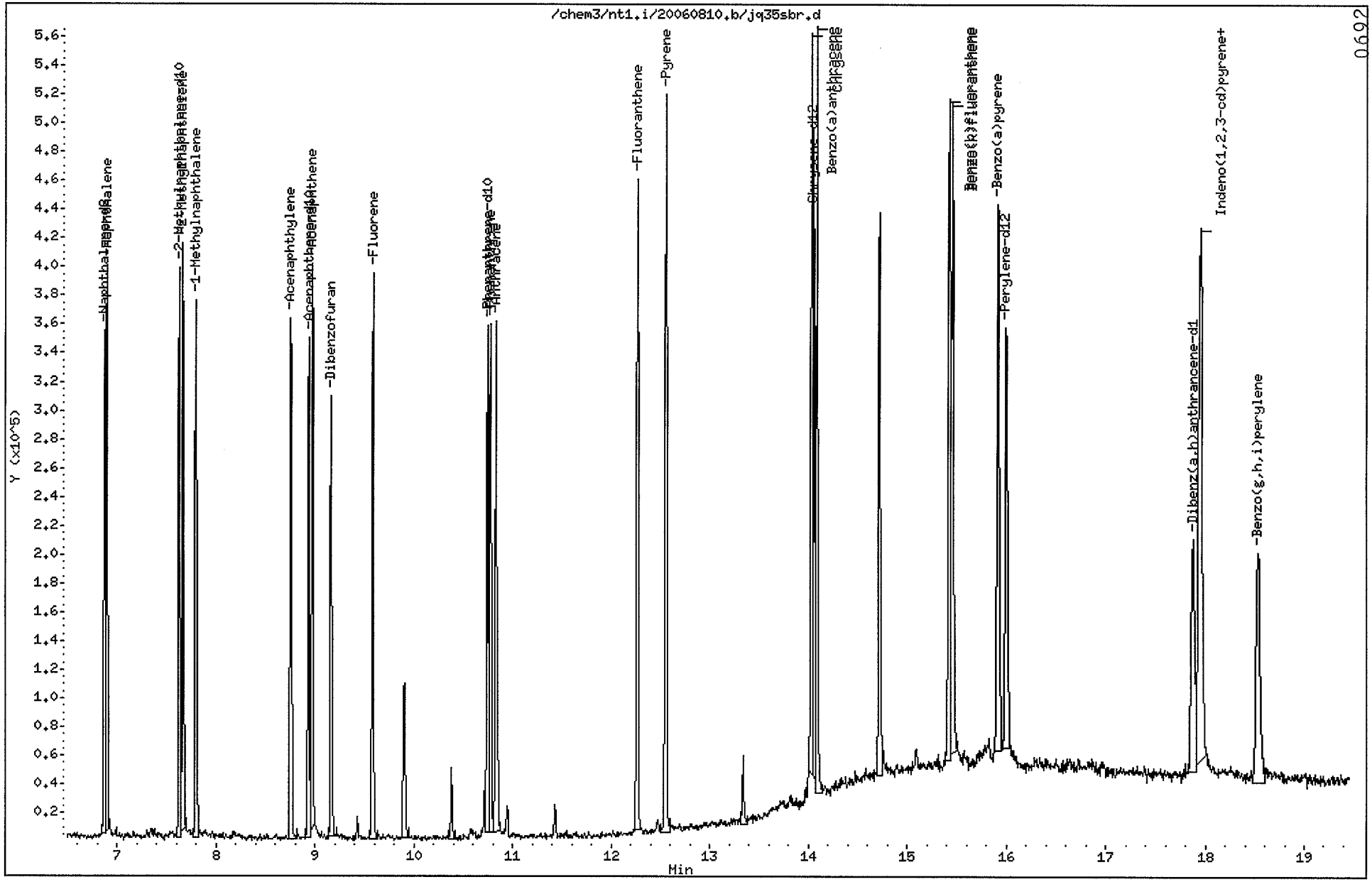
Client SDG: JQ35
Fraction: SV
Client Smp ID: JQ35LCSS2
Operator: VTS
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	150.0	127.3	84.85	46-107
24 Chrysene	150.0	135.5	90.32	49-108
29 Benzo(k)fluoranthe	150.0	138.7	92.44	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	121.7	81.14	32-97
$ 32 Dibenz(a,h)anthran	150.0	113.6	75.74	21-105

Data File: /chem3/nt1.i/20060810.b/jq35sbr.d
Date : 10-AUG-2006 20:49
Client ID: JQ35LCSS2
Sample Info: JQ35LCSS2
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i
Operator: VTS
Column diameter: 0.25



0692

SIM Semivolatile Analysis
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT LIMs # _____
Bid # SM0730A-01

(8270)PNA/ SIM PNA/(8310)PNA– Soil/Sediment
In House ____ PSDDA ____ ~~Pro-Sep~~ X low level
(3550B) Microtip ____
(3550B Macrotip X
KD X
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JQ35, JQ52

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted	GPC Aliquot #1/#2	~~Alumina~~ Aliquot Silica Gel 1:1	Final Effective Volume .5mL	Volume To Lab .5mL	Time Extracted 13:05 Comments
MB: JQ35 MB	8/1	10.00					
B: SB	↓	10.00					
A	checked	19.00					
B		4.00					
C		4.00					
D		3.54					
E		4.54					
F		17.00					
G		15.04					
H		19.50					
I		5.02					
J		4.04					
K		4.50					
L		13.00					
M		19.54					
N		13.54					
O		14.50					
P		12.50					
PMS		12.52					06-12971
PMSD	↓	12.50					06-13102
8/1	Date/Analyst:			TH 8/3 8/4			

KD: GAH 8-1-06

urrogate Amount: 50 ul
Concentration: 30/150 ug/mL
Added By: CW /Spk. Witness ||||
ID: 1408-2

Spike Amount: 50 ul
Concentration: 30/150 ug/mL
Added By: CW /Spk. Witness ||||
ID: 1393-03

(DCM) Solvent Lot ID: I2978
(Acetonitrile) Solvent Lot ID: N/A
(1:1 DCM/Acetone) Reagent ID: F485
0% Silica ~~(2%) Alumina~~ ID: I2620
Na2So4 ID: I2963
Neutral glasswool ID: 3-19 H1
Hexane: I3204

007F Spike Amount: 50 ul Added by CW w ||||
/MSD Concentration: 30/150 ug/mL ID 1254-04B
only

Revision 6
7/29/03

QA LIMs # _____
EXT LIMs # _____
Bid # SM073QA-01

(8270)PNA/ SIM PNA/(8310)PNA– Soil/Sediment
In House_____ PSDDA_____Pro-Sep_____
(3550B) Microtip_____
(3550B Macrotip_____
KD_____
Turbovap_____

ANALYTICAL RESOURCES INCORPORATED

Client Name: _____

ARI Job No(s): JQ35, JQ52

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted	GPC Aliquot #1/#2	~~Alumina~~ Silica Aliquot 1:1	Final Effective Volume	Volume To Lab	Time Extracted _____ Comments
~~IB:~~							
B:							
Q52 A	checked	18.54		↓	↓	↓	
B	↓	17.54					
C		21.02					
D		12.02					
Date/Analyst:				TH 8/4	→	→	

urrogate Amount: _____ Added By: _____/Spk. Witness_____
Concentration: _____ ID: _____

Spike Amount: _____ Added By: _____/Spk. Witness_____
Concentration: _____ ID: _____

(DCM) Solvent Lot ID: _____
(Acetonitrile) Solvent Lot ID: _____
(1:1 DCM/Acetone) Reagent ID: _____
(2%) Alumina ID: _____
Na2So4 ID: _____
Neutral glasswool ID: _____

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ35

Client Name: Anchor Environmental

Parameter: SIM PNA low lvl

Client Project: TH Early Action

3575 SOP Number(s)

No Anomalies

List problems, corrective actions, and any other pertinent information:

A-K = very wet, slurry-like sed.
~~M- Sandy~~ TH 7/25
L, N, P - Sandy
M, O - Standing H_2O, slurry-like sed. TH 7/25

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

Rev. 5
2/15/01

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 8/4/2006 Analysis: SIM PND Analyst: YZ

GC Program: ~~NT~~ SIM PND Column No: 97876 Column Type: ZB-5

Instrument Tune (.U or .CT.): 1216 U EM Voltage: 1700

Calibration File: DF 08 04 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1408-01)	(1330-01) @ 20X

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060804.b

	Time	Filename	LabID	ClientId	DF											
1	0953	df0804.d	DF0804		1	NO ISTDS FOUND										
2	1025	ic0803a.d	IC0803A		1	6.88	222814	8.95	123591	10.76	200797	14.08	171210	16.03	183426	
3	1049	ic0803b.d	IC0803B		1	6.88	258376	8.95	134818	10.76	213897	14.08	186768	16.03	190332	
4	1114	ic0803c.d	IC0803C		1	6.88	240196	8.95	130781	10.75	214296	14.07	190807	16.02	191469	
5	1139	ic0804d.d	IC0803D		1	6.88	245793	8.95	134787	10.76	216386	14.07	183473	16.03	196521	
6	1204	ic0805e.d	IC0803E		1	6.88	305770	8.95	166121	10.76	269899	14.07	235891	16.03	239658	
7	1228	ic0806f.d	IC0803F		1	6.88	245095	8.95	131758	10.76	219114	14.07	191517	16.03	197414	
8	1253	jp87mb.d	JP87MBW1	JP87MBW1	1	6.88	228604	8.95	127686	10.76	211581	14.08	191918	16.03	195235	
9	1318	jp87sb.d	JP87LCSW1	JP87LCSW1	1	6.88	303611	8.95	159367	10.76	257063	14.07	220410	16.03	214214	
10	1343	jp87ad.d	JP87AD		1	6.88	270931	8.95	140164	10.76	231423	14.08	208242	16.03	193229	
11	1408	jq33mb.d	JQ33MBS1	JQ33MBS1	1	6.88	232087	8.95	116948	10.76	201358	14.07	181056	16.03	177519	
12	1433	jq33sb.d	JQ33LCSS1	JQ33LCSS1	1	6.88	242062	8.95	131310	10.76	217726	14.07	192039	16.03	188994	
13	1457	jq33a200.d	JQ33A	T4-B414-01-A	200	6.88	238007	8.95	129506	10.76	213340	14.08	193067	16.03	201758	
14	1522	jq33a20.d	JQ33A	T4-B414-01-A	20	6.88	269722	8.95	143124	10.76	234650	14.09	239002	16.05	230123	
15	1547	jq33b10.d	JQ33B	T4-B414-01-B	10	6.89	253684	8.95	137858	10.76	229584	14.08	206616	16.03	217551	
16	1612	jq33c10.d	JQ33C	T4-B414-01-C	10	6.88	251304	8.95	136383	10.76	218514	14.08	201248	16.03	207051	
17	1637	jq33d10.d	JQ33D	T4-B414-02-A	10	6.89	250830	8.95	139170	10.76	226881	14.08	206452	16.03	210860	
18	1701	jq33dms.d	JQ33DMS	T4-B414-02-A MS	10	6.88	286926	8.95	153185	10.76	242209	14.08	211508	16.03	209035	
19	1726	jq33f10.d	JQ33F	T4-B414-02-C	10	6.88	266003	8.95	142673	10.76	228052	14.08	213090	16.03	208949	
20	1751	jq33g10.d	JQ33G	T4-B414-03-A	10	6.88	267089	8.95	148727	10.76	233614	14.08	213580	16.03	210994	
21	1816	jq33h10.d	JQ33H	T4-B414-03-B	10	6.88	269385	8.95	143637	10.76	230650	14.08	209106	16.03	212426	
22	1840	jq33i.d	JQ33I	T4-B414-03-C	1	6.88	267919	8.95	144260	10.76	242100	14.08	235399	16.04	231697	
23	1905	jq33j.d	JQ33J	T4-B414-04-A	1	6.88	260269	8.95	142460	10.76	229532	14.08	222385	16.04	203749	
24	1930	jq33k.d	JQ33K	T4-B414-04-B	1	6.88	247787	8.95	134801	10.76	225260	14.08	220402	16.04	208456	
25	1955	jq33l10.d	JQ33L	T4-B414-04-C	10	6.88	244088	8.95	139139	10.76	216520	14.08	196332	16.03	190131	
26	2019	jq33m50.d	JQ33M	T4-S3-01-D	50	6.88	256942	8.95	141892	10.76	226524	14.08	204610	16.03	193008	
27	2044	jq33n100.d	JQ33N	T4-S3-01-E	100	6.89	271920	8.95	145808	10.76	236513	14.07	211864	16.03	204121	
28	2109	jq33o20.d	JQ33O	T4-S3-01-F	20	6.88	252583	8.95	137446	10.76	226835	14.08	199033	16.03	188672	
29	2133	jq33p10.d	JQ33P	T4-S3-01-G	10	6.89	273354	8.95	144693	10.76	235162	14.07	211801	16.03	200625	
30	2158	jq33q20.d	JQ33Q	T4-S3-01-H	20	6.88	258695	8.95	138477	10.76	228584	14.08	204572	16.03	200060	
31	2247	jq33m10.d	JQ33M		1	6.88	274419	8.95	156017	10.76	247958	14.08	238659	16.04	212818	
32	2312	jq33n10.d	JQ33N10		1	6.88	280766	8.95	157690	10.76	248493	14.09	253079	16.05	209925	
33	2337	jq33e.d	JQ33E	T4-B414-02-B	1	6.88	277565	8.95	157937	10.76	263844	14.08	260270	16.04	217317	

YZ 8/7/06

Mainte

new liner, new septum

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): ~~CC 08I~~ IC0803A

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 8/7/06 Analysis: YZ Analyst: SIMPNA

GC Program: SIMPNA Column No: 97876 Column Type: ZB5

Instrument Tune (.U or .CT.): ~~DF0807~~ 12164 EM Voltage: 1700

Calibration File: DF0807 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-01)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060807.b

	Time	Filename	LabID	ClientId	DF											
1	1024	df0807.d	DF0807		1	NO ISTDS FOUND										
2	1039	cc0807.d	CC0807		1	6.89	231039	8.95	129131	10.76	212850	14.08	190817	16.03	197592	
3	1115	jq35mb.d	JQ35MBS1	JQ35MBS1	1	6.89	196430	8.95	104230	10.77	173132	14.08	159409	16.03	172927	
4	1140	jq35sb.d	JQ35LCSS1	JQ35LCSS1	1	6.89	226245	8.95	123629	10.77	200567	14.08	186165	16.04	197062	
5	1205	jq33a400.d	JQ33A	T4-B414-01-A	400	6.89	246370	8.95	132639	10.77	226457	14.08	201812	16.03	195108	
6	1230	jq35a10.d	JQ35A	T4-S3-02-C	10	6.89	250257	8.95	140520	10.77	233920	14.08	216153	16.04	222940	
7	1255	jq35b10.d	JQ35B	T4-S3-02-D	10	6.89	252321	8.95	137813	10.77	221695	14.08	201926	16.04	221481	
8	1319	jq35c10.d	JQ35C	T4-S3-02-E	10	6.89	255309	8.95	135507	10.77	230694	14.08	204176	16.04	221520	
9	1344	jq35d10.d	JQ35D	T4-S3-02-F	10	6.89	245660	8.95	138987	10.77	217562	14.08	192685	16.04	207083	
10	1409	jq35e10.d	JQ35E	T4-S3-03-B	10	6.89	258290	8.95	143281	10.77	234449	14.08	206315	16.04	215028	
11	1434	jq35f10.d	JQ35F	T4-S3-03-C	10	6.89	265580	8.95	144721	10.77	240069	14.08	213562	16.04	228495	
12	1459	jq35g10.d	JQ35G	T4-S3-03-D	10	6.89	271540	8.95	154950	10.77	251307	14.08	219185	16.04	227150	
13	1524	jq35h10.d	JQ35H	T4-S3-05-E	10	6.89	260423	8.95	143012	10.77	234928	14.08	216038	16.04	224207	
14	1548	jq33e.d	JQ33E	T4-B414-02-B	1	6.89	18768	8.95	12739	10.77	18286	14.08	16014	16.04	16207	
15	1613	jq33dmsd.d	JQ33DMSD	T4-B414-02-A MSD	1	6.89	243802	8.95	135461	10.77	217457	14.08	201762	16.04	209436	
16	1638	jq33m10.d	JQ33M	T4-S3-01-D	10	6.89	191997	8.96	109595	10.76	181216	14.09	173999	16.05	172020	
17	1703	jq33n.d	JQ33N	T4-S3-01-E	10	6.89	232216	8.95	124202	10.77	206056	14.10	208263	16.06	203544	
18	1728	jq33q.d	JQ33Q	T4-S3-01-H	20	6.89	236820	8.95	130040	10.77	209660	14.08	191739	16.04	194767	
19	1752	jq35i.d	JQ35I	T4-S3-05-F	1	6.89	258282	8.95	144086	10.77	240271	14.08	217398	16.04	219636	
20	1817	jq35j10.d	JQ35J	T4-S3-05-G	10	6.89	236638	8.95	129610	10.77	212650	14.08	196122	16.04	197010	
21	1842	jq35k10.d	JQ35K	T4-S3-05-H	10	6.89	281122	8.95	153358	10.77	241831	14.08	213685	16.04	214240	
22	1907	jq35l.d	JQ35L	T4-S3-05-J	1	6.89	280939	8.95	148640	10.77	238770	14.08	215263	16.04	228029	
23	1931	jq35m10.d	JQ35M	T4-S3-06-A	10	6.89	282329	8.95	148056	10.77	235343	14.08	222786	16.04	218704	
24	1956	jq35n.d	JQ35N	T4-S3-06-B	1	6.89	285064	8.95	152700	10.76	251705	14.08	217001	16.04	217400	
25	2021	jq35o10.d	JQ35O	T4-S3-08-B	10	6.89	288440	8.95	153597	10.77	247720	14.08	221992	16.04	213545	
26	2046	jq35p.d	JQ35P	T4-S3-08-C	1	6.89	291334	8.95	157337	10.76	253395	14.08	230403	16.03	228911	
27	2110	jq35pms.d	JQ35PMS	T4-S3-08-C MS	1	6.88	290178	8.95	154050	10.76	255867	14.08	227439	16.03	224669	
28	2135	jq35pmsd.d	JQ35PMSD	T4-S3-08-C MSD	1	6.89	319462	8.95	166317	10.76	267717	14.08	232739	16.03	234309	

new liner, new septum

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0807

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 08/08/06 Analysis: ~~YZ~~ SIMPNA Analyst: ~~si~~ YZ

GC Program: SIMPNA Column No: 97876 Column Type: ZB5

Instrument Tune (.U or .CT.): D 1216U EM Voltage: 1700

Calibration File: DF0808 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-01)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060808.b

	Time	Filename	LabID	ClientId	DF											
1	0911	df0808.d	DF0808		1	|NO ISTDS FOUND||										
2	0927	cc0808.d	CC0808		1	| 6.88	260380||	8.95	135690||	10.75	210931||	14.07	190595||	16.02	19
3	1017	jq35a20.d	JQ35A	T4-S3-02-C	20	| 6.88	275765||	8.95	148163||	10.76	236793||	14.08	205605||	16.03	21
4	1042	jq35h20.d	JQ35H	T4-S3-05-E	20	| 6.88	288009||	8.95	152401||	10.75	240720||	14.07	208693||	16.03	21
5	1107	jq35j20.d	JQ35J	T4-S3-05-G	20	| 6.88	268640||	8.95	137942||	10.75	228879||	14.07	198041||	16.03	20
6	1132	jq33e.d	JQ33E	T4-B414-02-B	1	| 6.88	254624||	8.95	133732||	10.76	214656||	14.08	202193||	16.03	20
7	1157	jq35i2.d	JQ35I	T4-S3-05-F	2	| 6.88	287961||	8.95	153297||	10.76	243446||	14.07	215360||	16.03	22
8	1221	jq35l2.d	JQ35L	T4-S3-05-J	2	| 6.88	282317||	8.94	150556||	10.76	232914||	14.07	199547||	16.02	212

Maintenance / Comments

new liner, new septom.

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0808

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JR235 Client ID: Anchor Environmental

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): SIM PNA

Instrument: NT-1 NT-2 NT-4 NT-6

Curve Date: 08/04/2006 Analysis Start Date: 08/07/2006

DFTPP Tune Meets Criteria?	YES / NO	Method Blank in Control?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	LCS / LCSD Recovery in Control?	YES / NO
Peak Tailing Factor in Control?	YES / NO / NA	MS/MSD Recovery in Control?	YES / NO
Cal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

Sample I sent for re-extraction due to low surr. recovery

Pms/Pmsd: spk recovery above QC limits due to presence analytes in the sample P.

Sample J: 2-Methylnaphthalene-d10 surr recovery above QC. J flag values not reported on lims. @ 1027.

— DATA Quality is Unaffected —
— NOT 7.5g dry extration —

Additional Details on Reverse: Yes / No

Analyst Signature: YZ **Date:** 8/9/2006

Reviewer's Signature: **Date:** 8/9/2006

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: SIM PNA curve Client ID: _____

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): SIM PNA

Instrument: NT-1 NT-2 NT-4 NT-6

Curve Date: 8/4/2006 Analysis Start Date: _____

DFTPP Tune Meets Criteria?	YES / NO	Method Blank in Control?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	LCS / LCSD Recovery in Control?	YES / NO
Peak Tailing Factor in Control?	YES / NO / NA	MS/MSD Recovery in Control?	YES / NO
Cal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

6 points curve for routine analytes + additional analytes:

Biphenyl
2.6 Dimethylnaphthalene
2.3.5 Trimethylnaphthalene
1- Methylphenanthrene
Benzo-(e)pyrene
Perylene.

all RSD<15%, all averaged

Additional Details on Reverse: Yes / No

Analyst Signature: YG **Date:** 8/4/06

Reviewer's Signature: [signature] **Date:** 8.4.2006

Analytical Resources, Incorporated
Analytical Chemists and Consultants

REQUEST FOR RE-EXTRACTION / RE-ANALYSIS
(Organic Analyses)

Todays Date: 08/08/2006 **Client Name:** Anchor Environmental

ARI Project Number: JQ33 **Client Project:** T4 Early Action

Analysis: SIM PNA **Turn Around Time:** 08/07/06

Project Manager: Sue D **Date Sampled:** 07/18/06

Criteria Flagged

Unacceptable Blank:	☐	Unacceptable Surrogate:	☒
Unacceptable Duplicate:	☐	Instrument Problem:	☐
Unacceptable Spike:	☐	Other:	☐
Overwrite LIMS:	☐	Enter as Re-extract:	☐

Details of Problem / Recommended Corrective Action

Sample I has low surr. recovery.

Samples Affected

JQ 33 I

Corrective Action Taken

Please re-extract sample I with mb, sb.

Analyst: YZ **Supervisor:**
Date: 8/8/06 **Date:**

Form 0030F

Revision 4
5/12/05

QA LIMs # _____
EXT LIMs # _____
Bid # SM0802A-02

(8270)PNA/ SIM PNA/(8310)PNA– Soil/Sediment
In House_____ PSDDA_____ Pro-Sep_____ LVI X
(3550B) Microtip_____
(3550B Macrotip X
KD X
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JQ35 (Rx) see pink sheet

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted (g)	GPC Aliquot #1 / # 2	Alumina Aliquot (mL)	Final Effective Volume	Volume To Lab	Time Extracted 1415 Comments
MB: JQ35 MB3	8-9-06	10.00		1:1	0.5 mL	0.5 mL	
SB: SBS	8-9-06	10.00		↓	↓	↓	
↓ I2	verified	5.03		↓	↓	↓	
							06-12964
Date/Analyst:	GAH 8-9-06			SC 8/10/06 →			

Surrogate Amount: 50 µL
Concentration: 30/150 µg/mL
Added By: GAH /Spk. Witness PC
ID: 1408-4

Spike Amount: 50 µL
Concentration: 30/150 µg/mL
Added By: GAH /Spk. Witness PC
ID: 1393-3

Pent/DCM (DCM) Solvent Lot ID: I3214
60/40 (~~Acetonitrile~~) Solvent Lot ID: F496
(1:1 DCM/Acetone) Reagent ID: F495
0% Silica ~~(2%) Alumina~~ ID: I2620
Na2So4 ID: I2963
Neutral glasswool ID: 4/25#3

3007F

Revision 6
7/29/03

0703

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ35 (RX) Client Name: Anchor Environmental

Parameter: SIM PNA low level Client Project: TH Early Action

3575 SOP Number(s) [ ] No Anomalies

List problems, corrective actions, and any other pertinent information:

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

Rev. 5
2/15/01

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JQ35 Client ID: Anchor

ARI SOP: **801S**(SIM-PNA) **802S**(BTS-HX) **803S**(BTS-PW) **804S**(8270D) **805S**(BTS-ET)

Parameter(s): Sim PNA's

Instrument: NT-1 NT-2 NT-4 NT-6

Curve Date: 8.4.2006 Analysis Start Date: 8.10.2006

DFTPP Tune Meets Criteria?	YES / NO	Method Blank in Control?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	LCS / LCSD Recovery in Control?	YES / NO
Peak Tailing Factor in Control?	YES / NO / NA	~~MS/MSD Recovery in Control?~~	~~YES / NO~~
ICal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary):

- Re-extract of I reported as original as it was within holding time. Surrogates are much better and meet QC. requirements.
- Forms/Logbook page with this job.
- Curve turned in with JQ35 originals.

Additional Details on Reverse: Yes / No

Analyst Signature: [signature] **Date:** 8.11.2006

Reviewer's Signature: [signature] **Date:** 8/4/06

0705

Analytical Resources Inc.: Organics Instrument Log

NT-1 (Serial No.: Mass Spec = 3341A01294; Mass Spec GC = 3336A53338)

Date: 8·10·2006 Analysis: simpNA Analyst: VTS

GC Program: SimpNA Column No: 97876 Column Type: 2B·5

Instrument Tune (.U or .CT.): 1216.U EM Voltage: 1800

Calibration File: df0810 Curve Date: 8·4·2006

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-1)(1416-02)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060810.b

	Time	Filename	LabID	ClientId	DF										
1	1308	df0810.d	DF0810		1	NO ISTDS FOUND									
2	1323	cc0810.d	CC0810		1	6.87	253209	8.94	122198	10.75	181565	14.05	143956	16.00	157395
3	1348	icv0810.d	ICV0810		1	6.87	230120	8.93	110612	10.74	164662	14.06	137716	16.00	146876
4	1413	jr96mb.d	JR96MBS1	JR96MBS1	1	6.87	301648	8.94	140733	10.74	216704	14.05	173072	16.00	168133
5	1438	jr96sb.d	JR96LCSS1	JR96LCSS1	1	6.87	241548	8.93	116346	10.74	176458	14.06	142049	16.00	143766
6	1502	jr96sbd.d	JR96LCSDS1	JR96LCSDS1	1	6.87	229261	8.93	109671	10.74	165836	14.05	132048	16.00	131144
7	1527	jr96a.d	JR96A	Gun Club-1-060804	1	6.87	268597	8.93	128590	10.74	184360	14.06	143426	16.00	148361
8	1552	jr96b.d	JR96B	Gun Club-2-060804	1	6.87	261072	8.93	128045	10.74	185652	14.06	152418	16.00	148662
9	1617	jr96c.d	JR96C	Gun Club-3-060804	1	6.87	257918	8.93	128468	10.74	183380	14.06	171873	16.01	187922
10	1642	jr96d.d	JR96D	Gun Club-C-060804	1	6.87	267202	8.93	126123	10.75	189804	14.07	194349	16.03	203611
11	1706	jq36edl.d	JQ36EDL	T4-S3-04-A	20	6.87	267048	8.94	128258	10.74	196888	14.06	187234	16.00	228685
12	1731	jq36f.d	JQ36F	T4-S3-04-B	1	6.87	311331	8.93	158607	10.75	240342	14.06	211477	16.01	236532
13	1756	jq36g.d	JQ36G	T4-S3-04-C	1	6.87	289236	8.93	146350	10.75	226319	14.06	191972	16.01	220413
14	1821	jq36h.d	JQ36H	T4-S3-04-D	1	6.87	281207	8.93	139188	10.75	210504	14.06	182315	16.00	211835
15	1845	jq36i.d	JQ36I	T4-WB-01	1	6.87	282183	8.94	141073	10.75	214898	14.06	207156	16.02	228634
16	1910	jq36j.d	JQ36J	T4-WB-02	1	6.87	300486	8.93	149361	10.75	228372	14.06	218919	16.01	227488
17	1935	jq36k.d	JQ36K	T4-WB-03	1	6.87	291689	8.93	148728	10.75	228935	14.06	221757	16.01	231164
18	2000	jq36l.d	JQ36L	T4-WB-04	1	6.87	280878	8.93	145849	10.75	222223	14.06	218134	16.01	226726
19	2024	jq35mbr.d	JQ35MBS2	JQ35MBS2	1	6.87	254449	8.93	122720	10.74	185475	14.06	162567	16.00	171882
20	2049	jq35sbr.d	JQ35LCSS2	JQ35LCSS2	1	6.87	257958	8.94	124932	10.74	181087	14.06	157919	16.00	166898
21	2114	jq35ire.d	JQ35I	T4-S3-05-F	10	6.87	221931	8.94	107051	10.74	161206	14.06	161363	16.00	170272

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0816

Every line must contain information or be lined out. Make all entries legible. Start a new page for each QC period.

VTS 8.11.2006

Semivolatile Organics
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-S3-02-C	31.9%	0
T4-S3-02-D	38.8%	0
T4-S3-02-E	30.5%	0
T4-S3-02-F	45.8%	0
T4-S3-03-B	44.2%	0
T4-S3-03-C	44.6%	0
T4-S3-03-D	55.7%	0
T4-S3-05-E	38.9%	0
T4-S3-05-F	31.7%	0
T4-S3-05-G	38.6%	0
T4-S3-05-G DL	68.8%	0
T4-S3-05-H	31.0%	0
T4-S3-05-H DL	55.2%	0
T4-S3-05-J	63.6%	0
T4-S3-06-A	53.2%	0
T4-S3-06-B	61.2%	0
T4-S3-08-B	39.8%	0
MB-073106	71.6%	0
LCS-073106	56.4%	0
T4-S3-08-C	59.3%	0
T4-S3-08-C MS	55.7%	0
T4-S3-08-C MSD	54.0%	0

	LCS/MB LIMITS	QC LIMITS
(TPH) = d14-p-Terphenyl	(37-114)	(12-120)

Prep Method: SW3550B
Log Number Range: 06-12956 to 06-12971

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-C
MS/MSD

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/31/06

Date Analyzed MS: 08/08/06 20:21
MSD: 08/08/06 20:52
Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR
GPC Cleanup: YES

Sample Amount MS: 50.8 g-dry-wt
MSD: 51.0 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 3.00
MSD: 3.00
Percent Moisture: 16.7%
pH: 6.0

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 58.5	299	492	60.8%	295	490	60.2%	1.3%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-073106
LAB CONTROL

Lab Sample ID: LCS-073106
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 10:55
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Dimethylphthalate	331	500	66.2%
Diethylphthalate	349	500	69.8%
Di-n-Butylphthalate	357	500	71.4%
Butylbenzylphthalate	322	500	64.4%
bis(2-Ethylhexyl)phthalate	373	500	74.6%
Di-n-Octyl phthalate	330	500	66.0%

Semivolatile Surrogate Recovery

d14-p-Terphenyl	56.4%

Results reported in µg/kg

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ35MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ35

Project: T4 EARLY ACTION

Lab File ID: JQ35MB

Date Extracted: 07/31/06

Instrument ID: NT6

Date Analyzed: 08/07/06

Matrix: SOLID

Time Analyzed: 1025

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06
02	T4-S3-02-C	JQ35A	JQ35ADL	08/07/06
03	T4-S3-02-D	JQ35B	JQ35BDL	08/07/06
04	T4-S3-02-E	JQ35C	JQ35CDL	08/07/06
05	T4-S3-02-F	JQ35D	JQ35DDL	08/07/06
06	T4-S3-03-B	JQ35E	JQ35EDL	08/07/06
07	T4-S3-03-C	JQ35F	JQ35FDL	08/07/06
08	T4-S3-03-D	JQ35G	JQ35GDL	08/07/06
09	T4-S3-05-E	JQ35H	JQ35HDL	08/07/06
10	T4-S3-05-F	JQ35I	JQ35IDL	08/07/06
11	T4-S3-05-G	JQ35J	JQ35JDL	08/07/06
12	T4-S3-05-H	JQ35K	JQ35KDL	08/07/06
13	T4-S3-05-J	JQ35L	JQ35L	08/07/06
14	T4-S3-06-A	JQ35M	JQ35M	08/07/06
15	T4-S3-06-B	JQ35N	JQ35N	08/07/06
16	T4-S3-08-B	JQ35O	JQ35ODL	08/07/06
17	T4-S3-08-C	JQ35P	JQ35PDL	08/08/06
18	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/08/06
19	T4-S3-08-C MSD	JQ35PMSD	JQ35PMD	08/08/06
20	T4-S3-02-F-DUP	JQ52A	JQ52ADL	08/08/06
21	T4-S3-03-C-DUP	JQ52B	JQ52BDL	08/08/06
22	T4-B414-02-A-DUP	JQ52C	JQ52CDL	08/09/06
23	T4-S3-08-C-DUP	JQ52D	JQ52DDL	08/09/06
24	T4-S3-03-C-DUP	JQ52B	JQ52BDL2	08/09/06
25	T4-S3-05-G	JQ35J	JQ35JDL2	08/09/06
26	T4-S3-05-H	JQ35K	JQ35KDL2	08/09/06
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COMMENTS:

FORM IV SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 07/05/06 DFTPP Injection Time: 1016

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	50.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	59.5
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	50.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 30.0% of mass 198	26.6
365	Greater than 0.75% of mass 198	3.73
441	Present, but less than mass 443	11.3
442	40.0 - 110.0% of mass 198	74.5
443	15.0 - 24.0% of mass 442	14.4 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN 25	ABN 25	0250705	07/05/06	1016
02	ABN 80	ABN 80	0800705	07/05/06	1046
03	ABN 1	ABN 1	0010705	07/05/06	1117
04	ABN 40	ABN 40	0400705	07/05/06	1147
05	ABN 5	ABN 5	0050705	07/05/06	1218
06	ABN 10	ABN 10	0100705	07/05/06	1249
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FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/07/06 DFTPP Injection Time: 0954

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	58.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	53.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	28.8
365	Greater than 0.75% of mass 198	4.02
441	Present, but less than mass 443	10.3
442	40.0 - 110.0% of mass 198	61.2
443	15.0 - 24.0% of mass 442	12.1 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0807	08/07/06	0954
02	JQ35MBS1	JQ35MBS1	JQ35MB	08/07/06	1025
03	JQ35LCSS1	JQ35LCSS1	JQ35SB	08/07/06	1055
04	T4-S3-02-C	JQ35A	JQ35ADL	08/07/06	1435
05	T4-S3-02-D	JQ35B	JQ35BDL	08/07/06	1505
06	T4-S3-02-E	JQ35C	JQ35CDL	08/07/06	1536
07	T4-S3-02-F	JQ35D	JQ35DDL	08/07/06	1606
08	T4-S3-03-B	JQ35E	JQ35EDL	08/07/06	1637
09	T4-S3-03-C	JQ35F	JQ35FDL	08/07/06	1707
10	T4-S3-03-D	JQ35G	JQ35GDL	08/07/06	1738
11	T4-S3-05-E	JQ35H	JQ35HDL	08/07/06	1808
12	T4-S3-05-F	JQ35I	JQ35IDL	08/07/06	1839
13	T4-S3-05-G	JQ35J	JQ35JDL	08/07/06	1909
14	T4-S3-05-H	JQ35K	JQ35KDL	08/07/06	1940
15	T4-S3-05-J	JQ35L	JQ35L	08/07/06	2011
16	T4-S3-06-A	JQ35M	JQ35M	08/07/06	2042
17	T4-S3-06-B	JQ35N	JQ35N	08/07/06	2112
18	T4-S3-08-B	JQ35O	JQ35ODL	08/07/06	2143
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FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/08/06 DFTPP Injection Time: 1313

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 80.0% of mass 198	57.7	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	64.5	
70	Less than 2.0% of mass 69	0.8	(1.2)1
127	25.0 - 75.0% of mass 198	51.8	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	8.0	
275	10.0 - 30.0% of mass 198	28.9	
365	Greater than 0.75% of mass 198	4.54	
441	Present, but less than mass 443	9.9	
442	40.0 - 110.0% of mass 198	62.5	
443	15.0 - 24.0% of mass 442	12.4	(19.9)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0808	08/08/06	1313
02	T4-S3-08-C	JQ35P	JQ35PDL	08/08/06	1950
03	T4-S3-08-C MS	JQ35PMS	JQ35PMS	08/08/06	2021
04	T4-S3-08-C MSD	JQ35PMSD	JQ35PMD	08/08/06	2052
05	T4-S3-02-F-DUP	JQ52A	JQ52ADL	08/08/06	2122
06	T4-S3-03-C-DUP	JQ52B	JQ52BDL	08/08/06	2153
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FORM V SV

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/09/06 DFTPP Injection Time: 0922

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	54.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	62.7
70	Less than 2.0% of mass 69	0.4 (0.7)1
127	25.0 - 75.0% of mass 198	49.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	27.6
365	Greater than 0.75% of mass 198	4.72
441	Present, but less than mass 443	9.9
442	40.0 - 110.0% of mass 198	62.6
443	15.0 - 24.0% of mass 442	12.8 (20.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0809	08/09/06	0922
02	T4-B414-02-A-DUP	JQ52C	JQ52CDL	08/09/06	1225
03	T4-S3-08-C-DUP	JQ52D	JQ52DDL	08/09/06	1255
04	T4-S3-03-C-DUP	JQ52B	JQ52BDL2	08/09/06	1326
05	T4-S3-05-G	JQ35J	JQ35JDL2	08/09/06	1357
06	T4-S3-05-H	JQ35K	JQ35KDL2	08/09/06	1427
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FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0807 — Date Analyzed: 08/07/06

Instrument ID: NT6 — Time Analyzed: 0954

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	318996	5.34	1113586	7.40	652908	10.18
	UPPER LIMIT	637992	5.84	2227172	7.90	1305816	10.68
	LOWER LIMIT	159498	4.84	556793	6.90	326454	9.68
	CLIENT SAMP. NO.						
01	JQ35MBS1	275186	5.33	958062	7.39	601750	10.17
02	JQ35LCSS1	295002	5.34	1049992	7.40	623908	10.18
03	T4-S3-02-C	235359	5.34	826001	7.39	508844	10.17
04	T4-S3-02-D	271832	5.34	945282	7.39	575206	10.18
05	T4-S3-02-E	266178	5.33	923237	7.39	561620	10.17
06	T4-S3-02-F	265607	5.34	918689	7.39	570291	10.18
07	T4-S3-03-B	269847	5.34	922218	7.39	578246	10.18
08	T4-S3-03-C	255609	5.34	889587	7.40	564436	10.18
09	T4-S3-03-D	273744	5.34	960436	7.40	621005	10.18
10	T4-S3-05-E	247651	5.34	888253	7.39	539856	10.17
11	T4-S3-05-F	273746	5.34	961139	7.40	589822	10.18
12	T4-S3-05-G	283610	5.34	1002038	7.40	618713	10.18
13	T4-S3-05-H	271768	5.34	967057	7.39	582763	10.18
14	T4-S3-05-J	278813	5.34	963400	7.40	597410	10.18
15	T4-S3-06-A	275134	5.34	961990	7.40	592819	10.17
16	T4-S3-06-B	263625	5.34	919585	7.39	551757	10.17
17	T4-S3-08-B	288756	5.33	977180	7.39	592069	10.17
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0807 — Date Analyzed: 08/07/06

Instrument ID: NT6 — Time Analyzed: 0954

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1012561	12.46	948800	16.62	760208	18.69
	UPPER LIMIT	2025122	12.96	1897600	17.12	1520416	19.19
	LOWER LIMIT	506280	11.96	474400	16.12	380104	18.19
	CLIENT SAMP. NO.						
01	JQ35MBS1	928155	12.45	794537	16.61	654960	18.69
02	JQ35LCSS1	1009544	12.45	940810	16.62	754542	18.69
03	T4-S3-02-C	849244	12.45	1153651	16.64	1213401	18.74
04	T4-S3-02-D	977476	12.46	1470785	16.65	1500984	18.76
05	T4-S3-02-E	936311	12.45	1470900	16.65	1475376	18.76
06	T4-S3-02-F	1030944	12.46	1154300	16.64	1358283	18.73
07	T4-S3-03-B	1017619	12.46	1130218	16.64	1275374	18.73
08	T4-S3-03-C	1040270	12.46	1004405	16.63	1263784	18.72
09	T4-S3-03-D	1217238	12.46	1021064	16.64	1228034	18.72
10	T4-S3-05-E	906604	12.46	1029153	16.64	1154733	18.73
11	T4-S3-05-F	984088	12.46	1373168	16.65	1471233	18.75
12	T4-S3-05-G	1017365	12.46	1520075	16.65	1550127*	18.75
13	T4-S3-05-H	969912	12.46	1573103	16.66	1638808*	18.76
14	T4-S3-05-J	962828	12.45	854688	16.62	883281	18.71
15	T4-S3-06-A	973775	12.45	1149694	16.64	1189870	18.73
16	T4-S3-06-B	858875	12.45	803173	16.62	851889	18.70
17	T4-S3-08-B	956344	12.45	1153655	16.63	1236480	18.73
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0807 — Date Analyzed: 08/07/06

Instrument ID: NT6 — Time Analyzed: 0954

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1381183	18.01				
	UPPER LIMIT	2762366	18.51				
	LOWER LIMIT	690592	17.51				
	CLIENT SAMP. NO.						
01	JQ35MBS1	1175278	18.01				
02	JQ35LCSS1	1363655	18.01				
03	T4-S3-02-C	1343914	18.03				
04	T4-S3-02-D	1527430	18.03				
05	T4-S3-02-E	1514920	18.03				
06	T4-S3-02-F	1468699	18.02				
07	T4-S3-03-B	1456773	18.02				
08	T4-S3-03-C	1492125	18.02				
09	T4-S3-03-D	1478107	18.02				
10	T4-S3-05-E	1316502	18.02				
11	T4-S3-05-F	1555936	18.03				
12	T4-S3-05-G	1688708	18.03				
13	T4-S3-05-H	1729755	18.03				
14	T4-S3-05-J	1260069	18.01				
15	T4-S3-06-A	1381176	18.02				
16	T4-S3-06-B	1184095	18.01				
17	T4-S3-08-B	1403845	18.02				
18							
19							
20							
21							
22							

IS7 = Di-n-octylphthalate-d4

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-3

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0808 — Date Analyzed: 08/08/06

Instrument ID: NT6 — Time Analyzed: 1313

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	284616	5.18	977404	7.25	544393	10.02
	UPPER LIMIT	569232	5.68	1954808	7.75	1088786	10.52
	LOWER LIMIT	142308	4.68	488702	6.75	272196	9.52
	CLIENT SAMP. NO.						
01	T4-S3-08-C	261154	5.18	885007	7.24	503719	10.02
02	T4-S3-08-C M	271231	5.18	936915	7.24	544822	10.02
03	T4-S3-08-C M	281521	5.18	950259	7.24	548682	10.02
04	T4-S3-02-F-D	269854	5.18	911964	7.24	568465	10.02
05	T4-S3-03-C-D	264846	5.18	905100	7.24	541269	10.03
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0808 — Date Analyzed: 08/08/06

Instrument ID: NT6 — Time Analyzed: 1313

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	824403	12.29	813838	16.45	837816	18.51
	UPPER LIMIT	1648806	12.79	1627676	16.95	1675632	19.01
	LOWER LIMIT	412202	11.79	406919	15.95	418908	18.01
	CLIENT SAMP. NO.						
01	T4-S3-08-C	788702	12.29	875351	16.44	987151	18.51
02	T4-S3-08-C M	828649	12.29	926797	16.44	1015346	18.51
03	T4-S3-08-C M	840039	12.29	957256	16.44	1025007	18.51
04	T4-S3-02-F-D	1098818	12.30	1585341	16.47	1668294	18.55
05	T4-S3-03-C-D	950198	12.30	1780984*	16.45	1437237	18.53
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0808 — Date Analyzed: 08/08/06

Instrument ID: NT6 — Time Analyzed: 1313

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1238353	17.85				
	UPPER LIMIT	2476706	18.35				
	LOWER LIMIT	619176	17.35				
	CLIENT SAMP. NO.						
01	T4-S3-08-C	1346798	17.84				
02	T4-S3-08-C M	1438826	17.85				
03	T4-S3-08-C M	1454127	17.84				
04	T4-S3-02-F-D	2134475	17.87				
05	T4-S3-03-C-D	1912241	17.86				
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IS7 = Di-n-octylphthalate-d4

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-3

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0809 — Date Analyzed: 08/09/06

Instrument ID: NT6 — Time Analyzed: 0922

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	324892	5.10	1118078	7.18	626364	9.95
	UPPER LIMIT	649784	5.60	2236156	7.68	1252728	10.45
	LOWER LIMIT	162446	4.60	559039	6.68	313182	9.45
	CLIENT SAMP. NO.						
01	T4-B414-02-A	328600	5.10	1121955	7.17	660913	9.95
02	T4-S3-08-C-D	317536	5.09	1087876	7.17	644339	9.95
03	T4-S3-03-C-D	290792	5.09	999285	7.17	596369	9.95
04	T4-S3-05-G	292461	5.09	1011267	7.17	604786	9.95
05	T4-S3-05-H	315959	5.09	1091310	7.17	651453	9.95
06							
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21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0809 — Date Analyzed: 08/09/06

Instrument ID: NT6 — Time Analyzed: 0922

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	965932	12.22	826790	16.36	721459	18.42
	UPPER LIMIT	1931864	12.72	1653580	16.86	1442918	18.92
	LOWER LIMIT	482966	11.72	413395	15.86	360730	17.92
	CLIENT SAMP. NO.						
01	T4-B414-02-A	948685	12.21	864219	16.36	1061784	18.43
02	T4-S3-08-C-D	981426	12.21	820983	16.36	890507	18.42
03	T4-S3-03-C-D	947189	12.22	1063388	16.37	1115911	18.43
04	T4-S3-05-G	922058	12.21	798013	16.36	907745	18.43
05	T4-S3-05-H	991469	12.21	839550	16.36	980696	18.43
06							
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21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0809 — Date Analyzed: 08/09/06

Instrument ID: NT6 — Time Analyzed: 0922

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1180779	17.78				
	UPPER LIMIT	2361558	18.28				
	LOWER LIMIT	590390	17.28				
	CLIENT SAMP. NO.						
01	T4-B414-02-A	1353174	17.78				
02	T4-S3-08-C-D	1223600	17.77				
03	T4-S3-03-C-D	1381975	17.78				
04	T4-S3-05-G	1170038	17.78				
05	T4-S3-05-H	1219579	17.77				
06							
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20							
21							
22							

IS7 = Di-n-octylphthalate-d4

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

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-3

Semivolatile Organics
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-C
SAMPLE

Lab Sample ID: JQ35A
LIMS ID: 06-12956
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 14:35
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 46.8%
pH: 6.7

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	60	< 60 U
84-66-2	Diethylphthalate	60	< 60 U
84-74-2	Di-n-Butylphthalate	60	< 60 U
85-68-7	Butylbenzylphthalate	60	< 60 U
117-81-7	bis(2-Ethylhexyl)phthalate	60	< 60 U
117-84-0	Di-n-Octyl phthalate	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	31.9%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35adl.d
Lab Smp Id: JQ35A
Client Smp ID: T4-S3-02-C
Inj Date : 07-AUG-2006 14:35
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35A,3
Misc Info : 06-12956
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 7
Dil Factor: 3.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	94.60000	Weight of sample extracted (g)
M	46.80000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.222	3.192	(0.604)	89490	5.15282	307.2
$ 2 Phenol-d5	99	5.124	5.115	(0.960)	129171	6.13834	365.9
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.060	5.056	(0.948)	101074	5.66462	337.7(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.338	5.340	(1.000)	235359	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.637	5.639	(1.056)	37884	3.29366	196.3
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.000	5.997	(1.124)	30351	1.27022 Y	75.72(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.310	6.317	(0.854)	94440	4.22346	251.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.389	7.396	(1.000)	826001	20.0000	
	28 Naphthalene	128	7.416	7.423	(1.004)	94493	1.88179	112.2
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.532	8.540	(1.155)	23888	0.87957 LOQ	52.43
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.211	9.213	(0.905)	141533	3.72516	222.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.172	10.180	(1.000)	508844	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.220	10.222	(1.005)	309346	9.46736	564.3
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.482	10.484	(1.030)	86847	1.93180	115.2
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.016	11.018	(1.083)	165889	4.54883	271.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.433	11.440	(1.124)	28136	5.75032	342.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.453	12.455	(1.000)	849244	20.0000	
	60 Phenanthrene	178	12.491	12.487	(1.003)	2567092	45.4071	2707
	61 Anthracene	178	12.555	12.557	(1.008)	451882	7.96179	474.6
	62 Carbazole	167	12.891	12.893	(1.035)	337574	7.38855	440.4(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.371	14.352	(1.154)	6560089	117.692 E	7016
65 Pyrene	202	14.692	14.672	(0.883)	6214952	63.9551	3812
$ 66 Terphenyl-d14	244	15.103	15.094	(0.908)	162571	2.66102	158.6
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.626	16.601	(0.999)	5322882	61.1008	3642
* 69 Chrysene-d12	240	16.642	16.622	(1.000)	1153651	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.684	16.660	(1.003)	5807194	67.0807	3999
72 bis(2-Ethylhexyl)phthalate	149	17.106	17.092	(0.949)	26054	0.76781 LDL B	45.77(M)
* 134 Di-n-octylphthalate-d4	153	18.025	18.011	(1.000)	1343914	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.260	18.203	(0.975)	8715866	109.410 E	6522(M)
75 Benzo(k)fluoranthene	252	18.260	18.236	(0.975)	5979080	72.5827	4327(M)
76 Benzo(a)pyrene	252	18.677	18.615	(0.997)	8335919	108.719 E	6481
* 77 Perylene-d12	264	18.736	18.695	(1.000)	1213401	20.0000	(M)
78 Indeno(1,2,3-cd)pyrene	276	20.071	20.009	(1.071)	6514415	69.8384	4163
79 Dibenzo(a,h)anthracene	278	20.098	20.057	(1.073)	2382807	26.0055	1550(M)
80 Benzo(g,h,i)perylene	276	20.360	20.292	(1.087)	6057634	62.0185	3697(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

< RL NOT Reported 8/11/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35adl.d
Lab Smp Id: JQ35A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12956

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-02-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	235359	-26.22
27 Naphthalene-d8	1113586	556793	2227172	826001	-25.83
42 Acenaphthene-d10	652908	326454	1305816	508844	-22.06
59 Phenanthrene-d10	1012561	506280	2025122	849244	-16.13
69 Chrysene-d12	948800	474400	1897600	1153651	21.59
134 Di-n-octylphthala	1381183	690592	2762366	1343914	-2.70
77 Perylene-d12	760208	380104	1520416	1213401	59.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.04
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.10
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.07
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	-0.02
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.12
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.08
77 Perylene-d12	18.69	18.19	19.19	18.74	0.22

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.

Analytical Resources, Inc.

RECOVERY REPORT

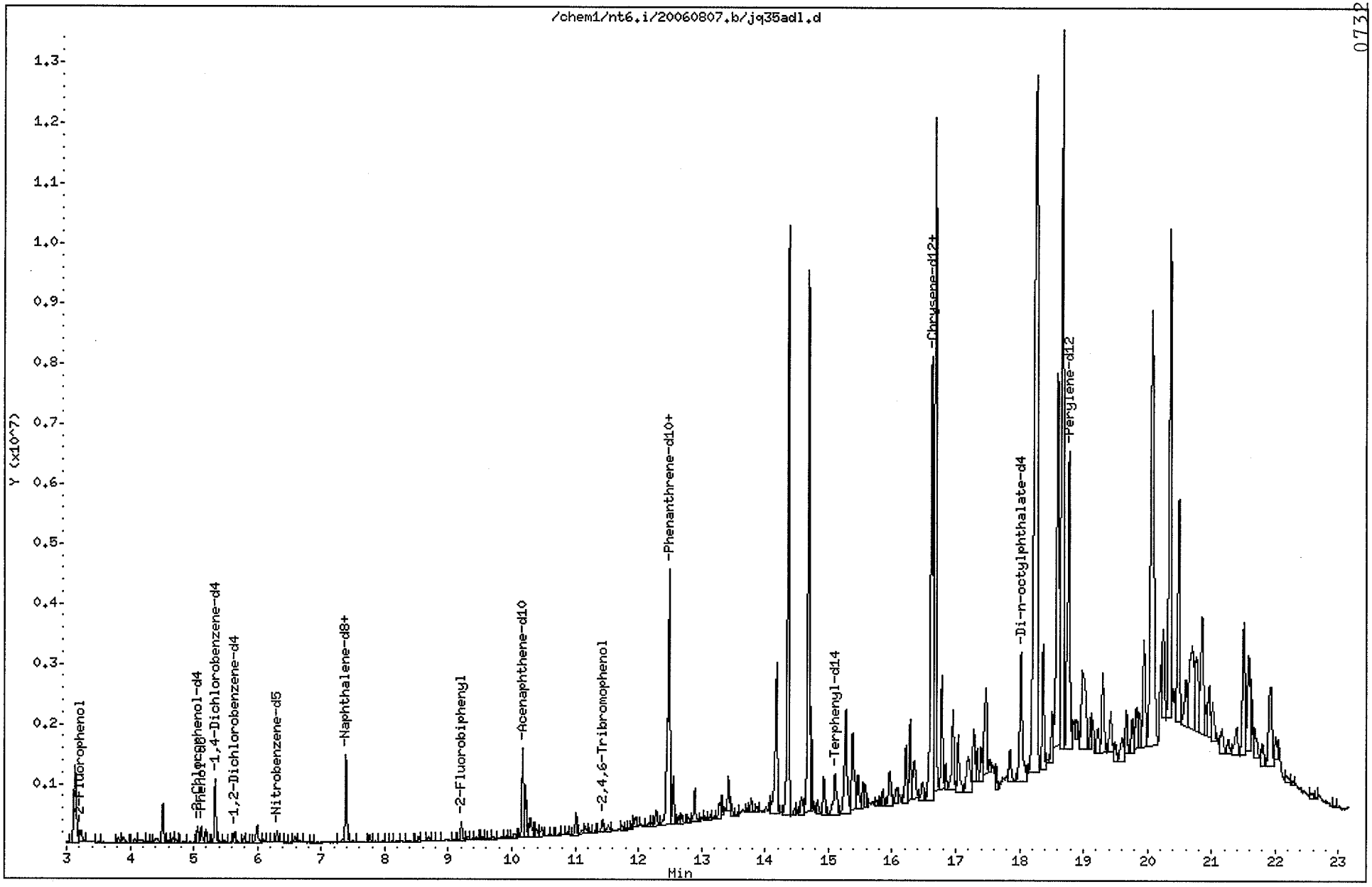
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35A
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12956

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	745.1	307.2	41.22	22-91
$ 2 Phenol-d5	745.1	365.9	49.11	26-99
$ 5 2-Chlorophenol-d4	745.1	337.7	45.32	29-96
$ 10 1,2-Dichlorobenzen	496.7	196.3	39.52	24-87
$ 18 Nitrobenzene-d5	496.7	251.8	50.68	27-101
$ 36 2-Fluorobiphenyl	496.7	222.1	44.70	30-100
$ 55 2,4,6-Tribromophen	745.1	342.8	46.00	20-114
$ 66 Terphenyl-d14	496.7	158.6	31.93	12-120

Data File: /chem1/nt6.i/20060807.b/jq35ad1.d
Date : 07-AUG-2006 14:35
Client ID: T4-S3-02-C
Sample Info: JQ35A,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060807.b/jq35adl.d

Date : 07-AUG-2006 14:35

Client ID: T4-S3-02-C

Instrument: nt6.i

Sample Info: JQ35A,3

Volume Injected (uL): 1.0

Operator: LJR

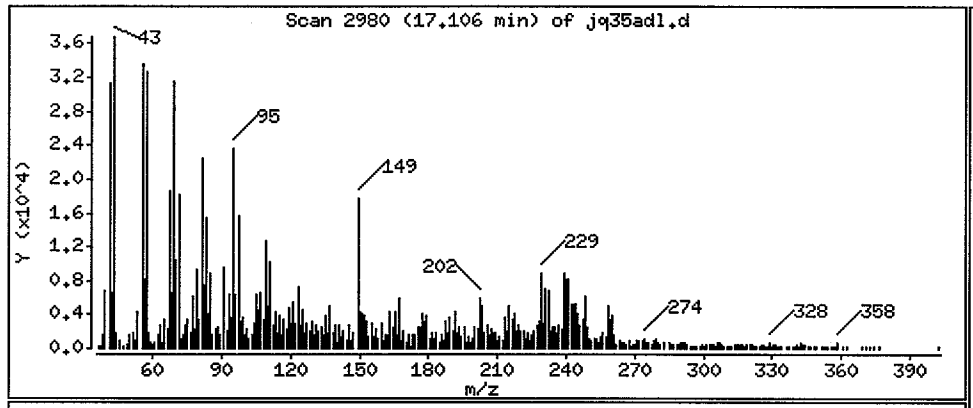
Column phase: ZB-5

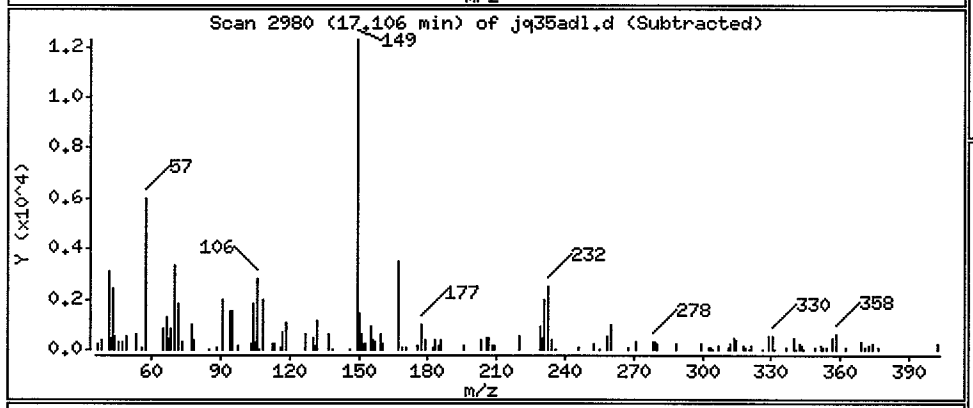
Column diameter: 0.32

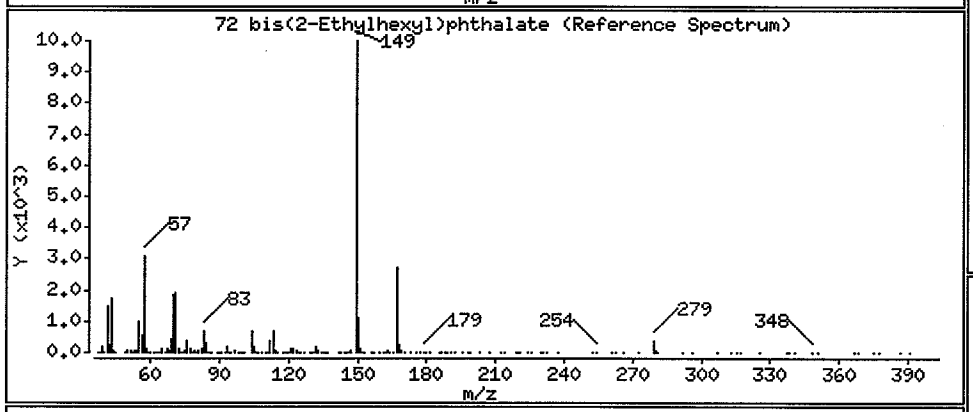
72 bis(2-Ethylhexyl)phthalate

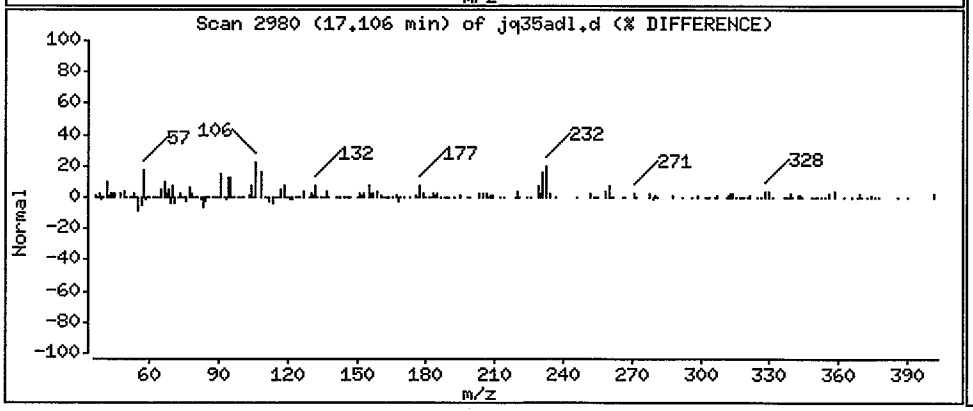
Concentration: 45.77 ug/kg

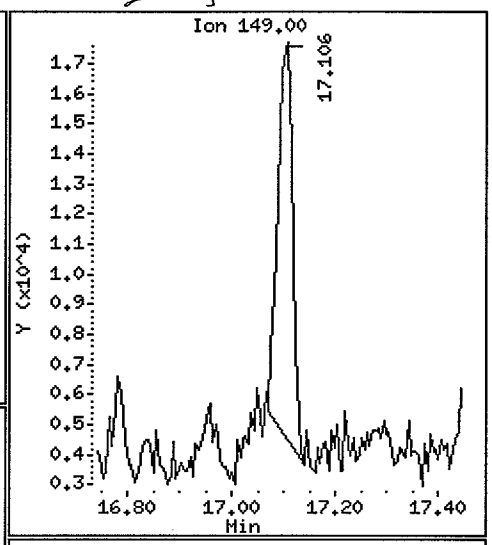
(R) not reported BR 8/1/06 LRJ

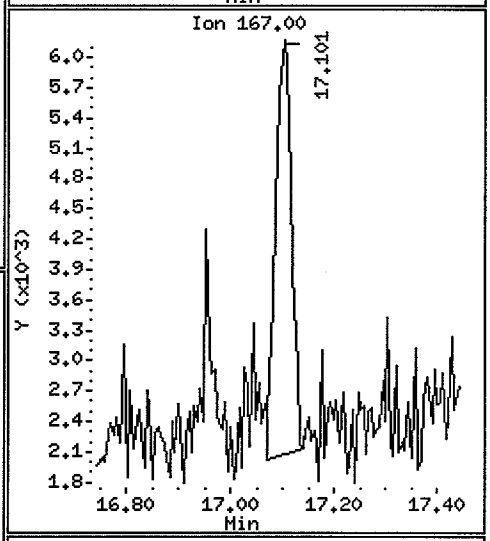


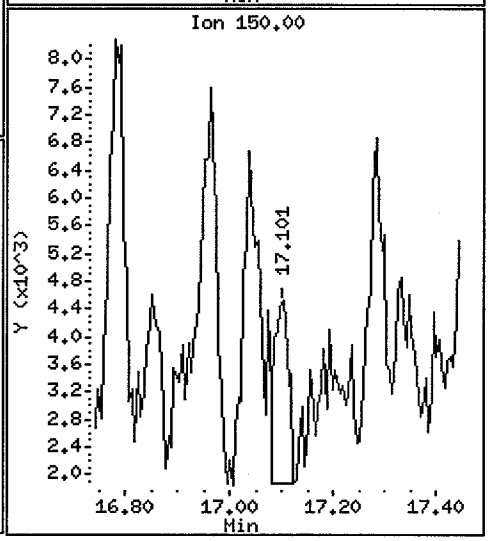




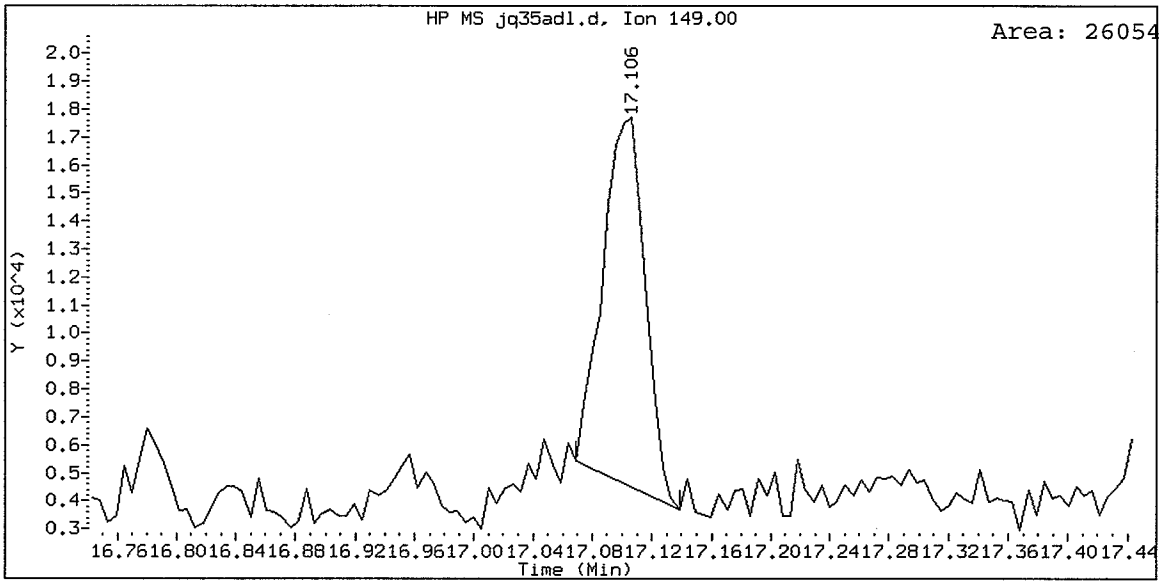


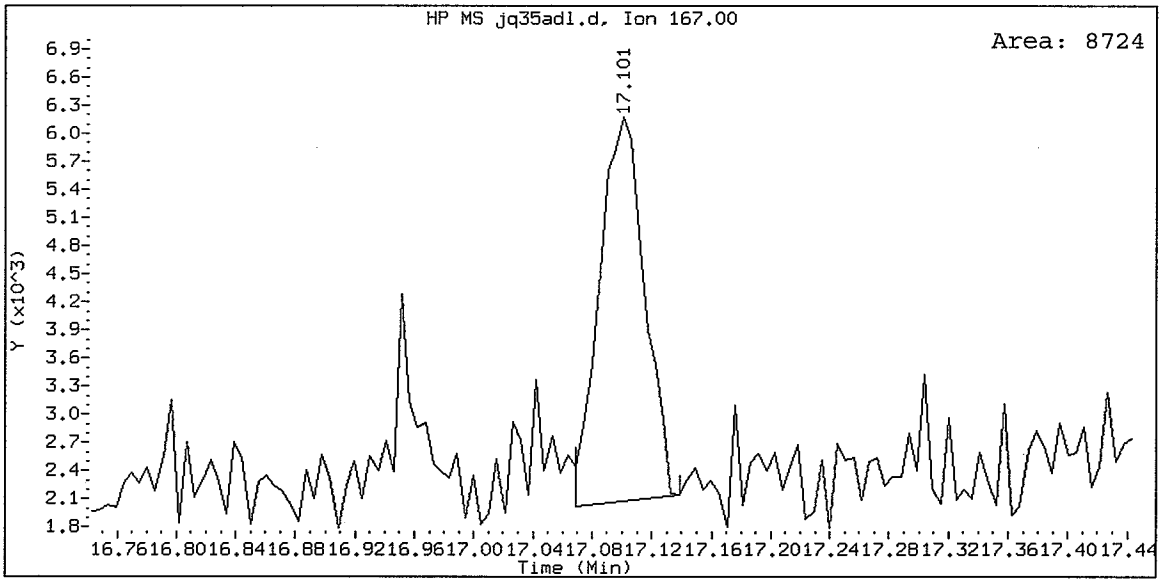


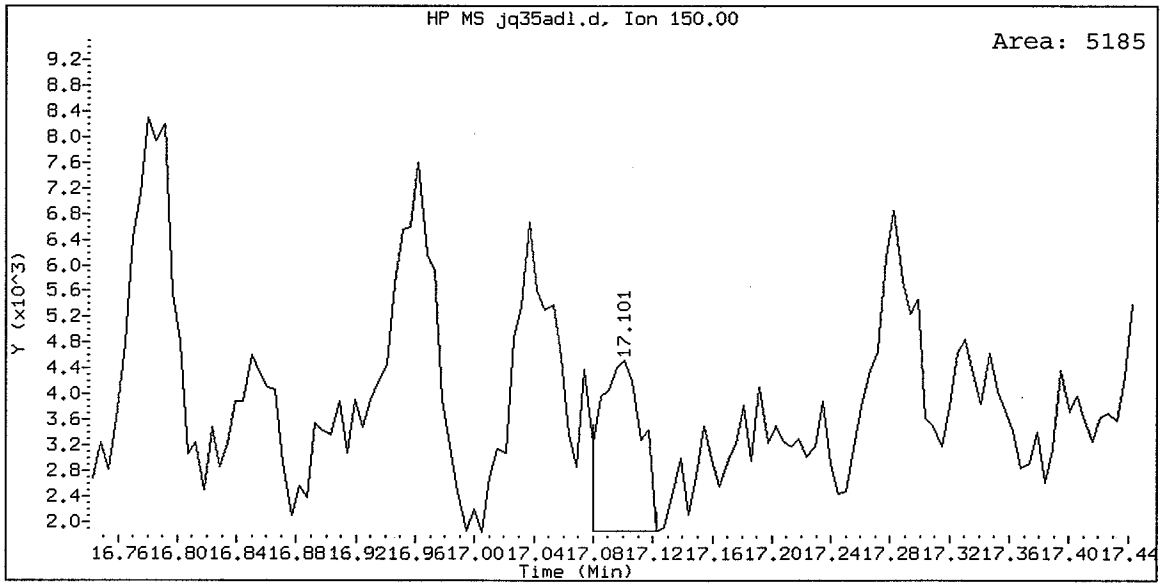




JQ35A, /chem1/nt6.i/20060807.b/jq35adl.d
bis(2-Ethylhexyl)phthalate Amount: 0.77







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-D
SAMPLE

Lab Sample ID: JQ35B
LIMS ID: 06-12957
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 15:05
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.0%
pH: 6.3

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	120	< 120 U
84-66-2	Diethylphthalate	120	< 120 U
84-74-2	Di-n-Butylphthalate	120	< 120 U
85-68-7	Butylbenzylphthalate	120	< 120 U
117-81-7	bis(2-Ethylhexyl)phthalate	120	< 120 U
117-84-0	Di-n-Octyl phthalate	120	< 120 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	38.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35bdl.d
Lab Smp Id: JQ35B
Client Smp ID: T4-S3-02-D
Inj Date : 07-AUG-2006 15:05
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35B,3
Misc Info : 06-12957
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
LJR 8/9/06
Als bottle: 8
Dil Factor: 3.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	~~1000.00000~~	Volume of final extract (uL)
Ws	42.80000	Weight of sample extracted (g)
M	42.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.218	3.192	(0.603)	140108	6.98496	844.1
$ 2 Phenol-d5	99	5.119	5.115	(0.959)	193060	7.94344	960.0
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.948)	151319	7.34268	887.4(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.338	5.340	(1.000)	271832	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.056)	60379	4.54505	549.3
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.017	5.997	(1.127)	44951	1.62883 Y	196.8(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.854)	144775	5.65750	683.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.390	7.396	(1.000)	945282	20.0000	
	28 Naphthalene	128	7.422	7.423	(1.004)	181635	3.16076	382.0
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.533	8.540	(1.155)	52093	1.67606	202.6
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.211	9.213	(0.905)	215923	5.02745	607.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.178	10.180	(1.000)	575206	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.221	10.222	(1.004)	529087	14.3243	1731
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.483	10.484	(1.030)	144291	2.83928	343.1
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.017	11.018	(1.082)	278308	6.75101	815.9
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.439	11.440	(1.124)	40864	7.38808	892.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.459	12.455	(1.000)	977476	20.0000	
	60 Phenanthrene	178	12.497	12.487	(1.003)	4195472	64.4747	7792
	61 Anthracene	178	12.556	12.557	(1.008)	677666	10.3736	1254
	62 Carbazole	167	12.898	12.893	(1.035)	513548	9.76557	1180(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.383	14.352	(1.154)	9595752	149.570 E	18080
65 Pyrene	202	14.703	14.672	(0.883)	9313745	75.1773	9085
$ 66 Terphenyl-d14	244	15.104	15.094	(0.907)	251754	3.23226	390.6
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.637	16.601	(0.999)	8401932	75.6493	9142
* 69 Chrysene-d12	240	16.653	16.622	(1.000)	1470785	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.701	16.660	(1.003)	8853316	80.2162 E	9694
72 bis(2-Ethylhexyl)phthalate	149	17.102	17.092	(0.948)	34987	0.90719 LDL B	109.6(M) LRL NOT Reported
* 134 Di-n-octylphthalate-d4	153	18.031	18.011	(1.000)	1527430	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.282	18.203	(0.975)	13024544	132.171 E	15970(M)
75 Benzo(k)fluoranthene	252	18.282	18.236	(0.975)	7015906	68.8511	8321(M)
76 Benzo(a)pyrene	252	18.699	18.615	(0.997)	11519373	121.453 E	14680
* 77 Perylene-d12	264	18.758	18.695	(1.000)	1500984	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.099	20.009	(1.071)	9767976	84.6548 E	10230
79 Dibenzo(a,h)anthracene	278	20.120	20.057	(1.073)	4161020	36.7117	4437
80 Benzo(g,h,i)perylene	276	20.382	20.292	(1.087)	8506965	70.4079	8509(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	8.693	8.694	(1.176)	27565	0.84841 LDL	102.5
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35bdl.d
Lab Smp Id: JQ35B
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12957

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-02-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	271832	-14.79
27 Naphthalene-d8	1113586	556793	2227172	945282	-15.11
42 Acenaphthene-d10	652908	326454	1305816	575206	-11.90
59 Phenanthrene-d10	1012561	506280	2025122	977476	-3.46
69 Chrysene-d12	948800	474400	1897600	1470785	55.02
134 Di-n-octylphthala	1381183	690592	2762366	1527430	10.59
77 Perylene-d12	760208	380104	1520416	1500984	97.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.02
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.09
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.03
69 Chrysene-d12	16.62	16.12	17.12	16.65	0.19
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.11
77 Perylene-d12	18.69	18.19	19.19	18.76	0.34

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.

Analytical Resources, Inc.

RECOVERY REPORT

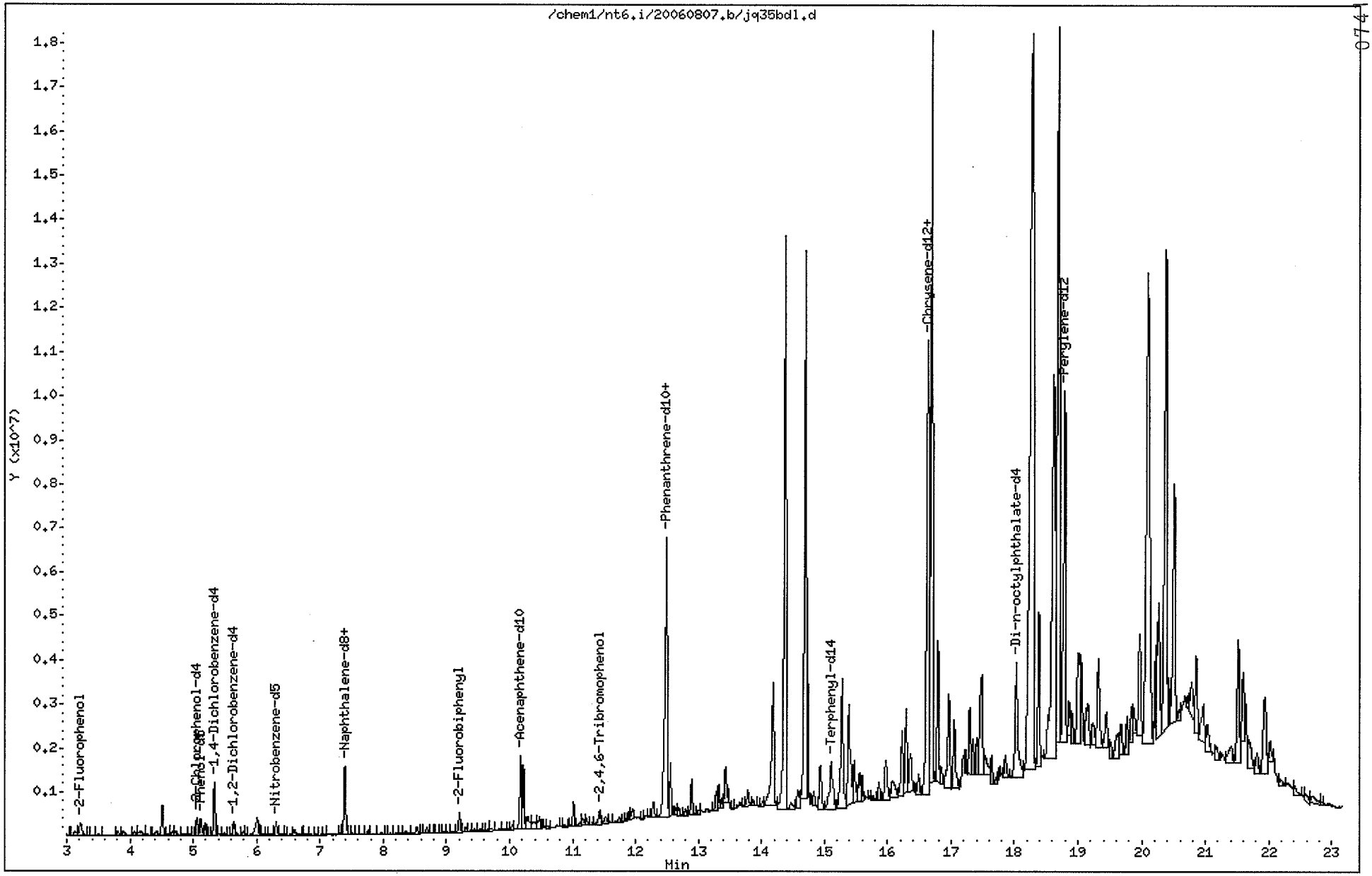
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35B
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12957

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1511	844.1	55.88	22-91
$ 2 Phenol-d5	1511	960.0	63.55	26-99
$ 5 2-Chlorophenol-d4	1511	887.4	58.74	29-96
$ 10 1,2-Dichlorobenzen	1007	549.3	54.54	24-87
$ 18 Nitrobenzene-d5	1007	683.7	67.89	27-101
$ 36 2-Fluorobiphenyl	1007	607.6	60.33	30-100
$ 55 2,4,6-Tribromophen	1511	892.9	59.10	20-114
$ 66 Terphenyl-d14	1007	390.6	38.79	12-120

Data File: /chem1/nt6.i/20060807.b/jq35bd1.d
Date : 07-AUG-2006 15:05
Client ID: T4-S3-02-D
Sample Info: JQ35B,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060807.b/jq35bdl.d

Date : 07-AUG-2006 15:05

Client ID: T4-S3-02-D

Instrument: nt6.i

Sample Info: JQ35B,3

Volume Injected (uL): 1.0

Operator: LJR

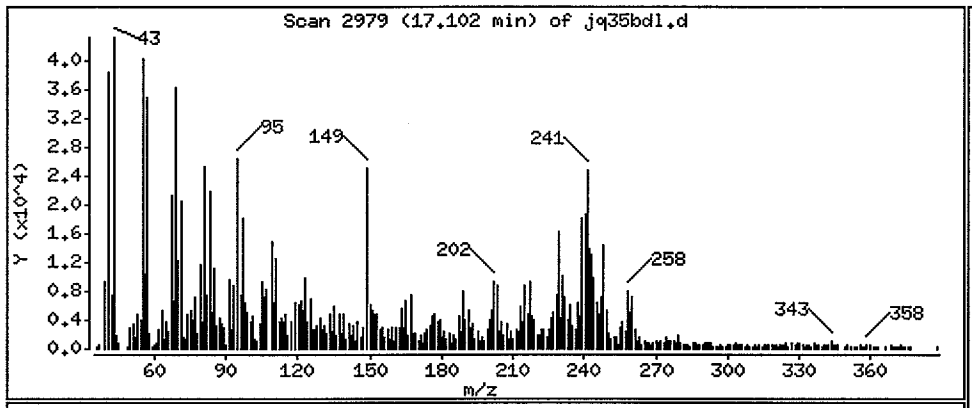
Column phase: ZB-5

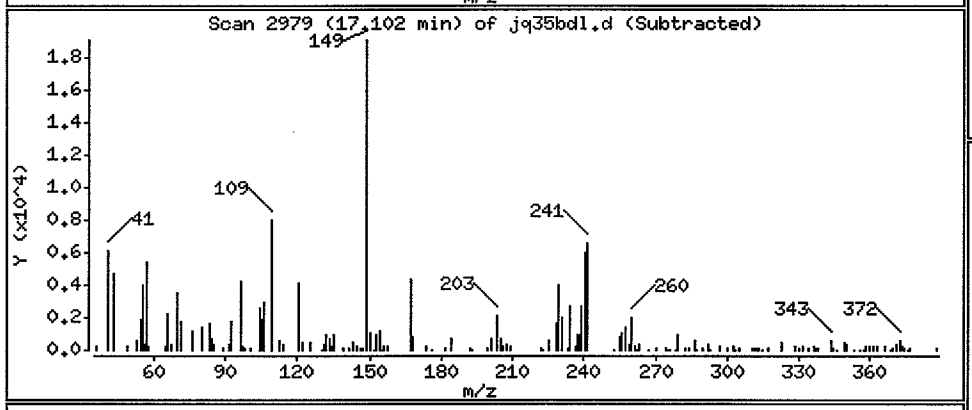
Column diameter: 0.32

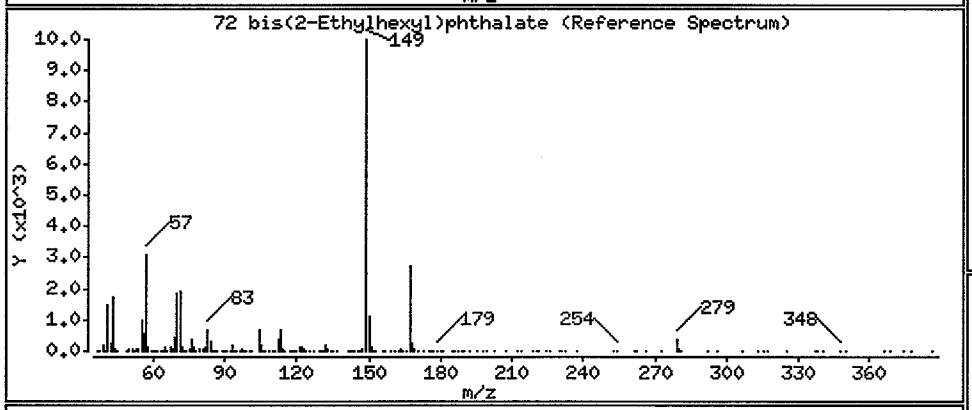
(B) J <RL not Reported SMB 8/10/06

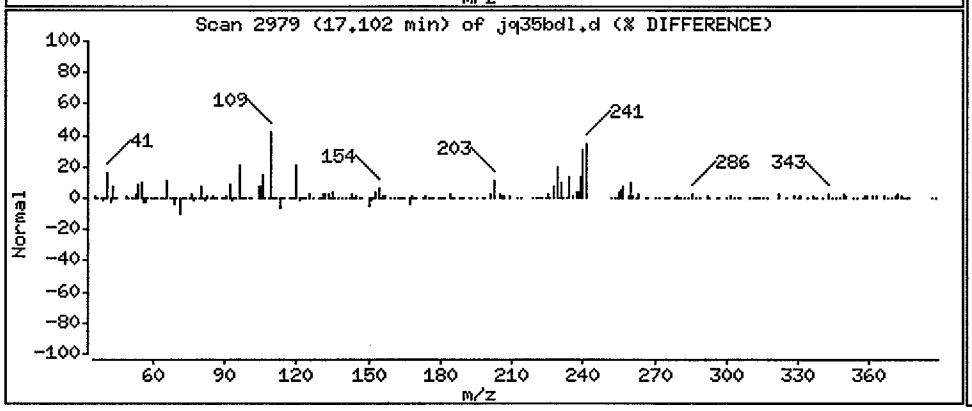
72 bis(2-Ethylhexyl)phthalate

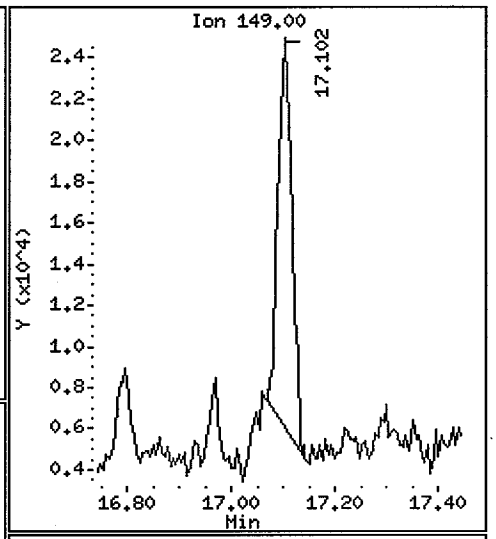
Concentration: 109.6 ug/kg

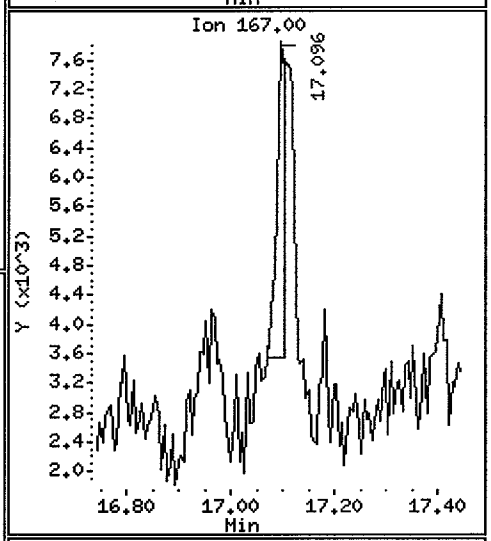


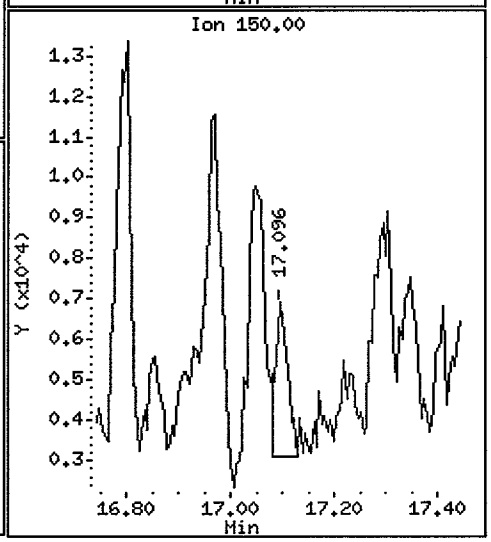




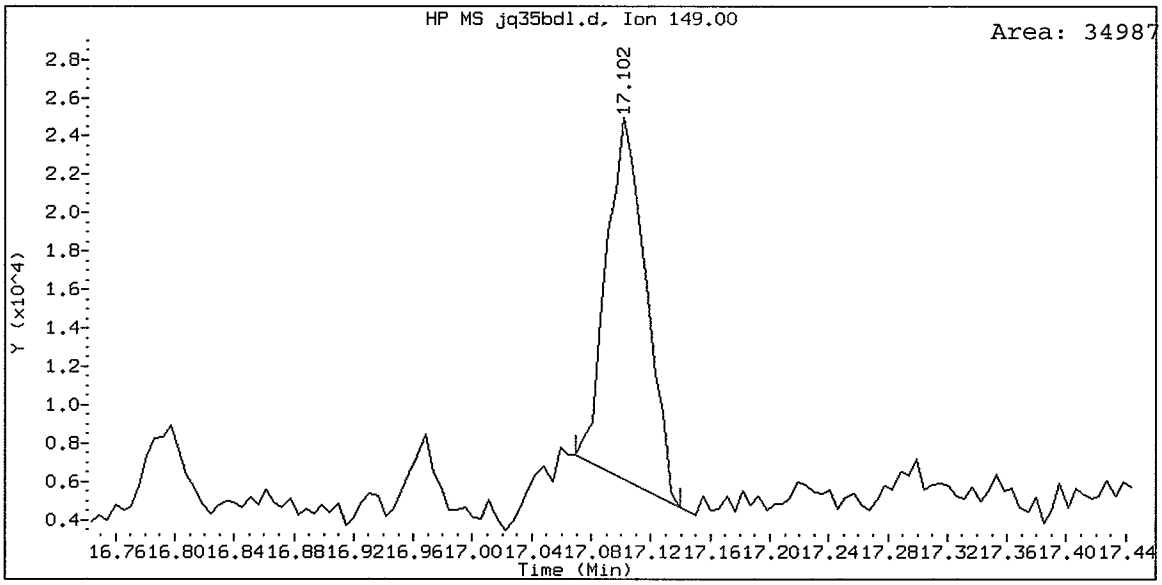


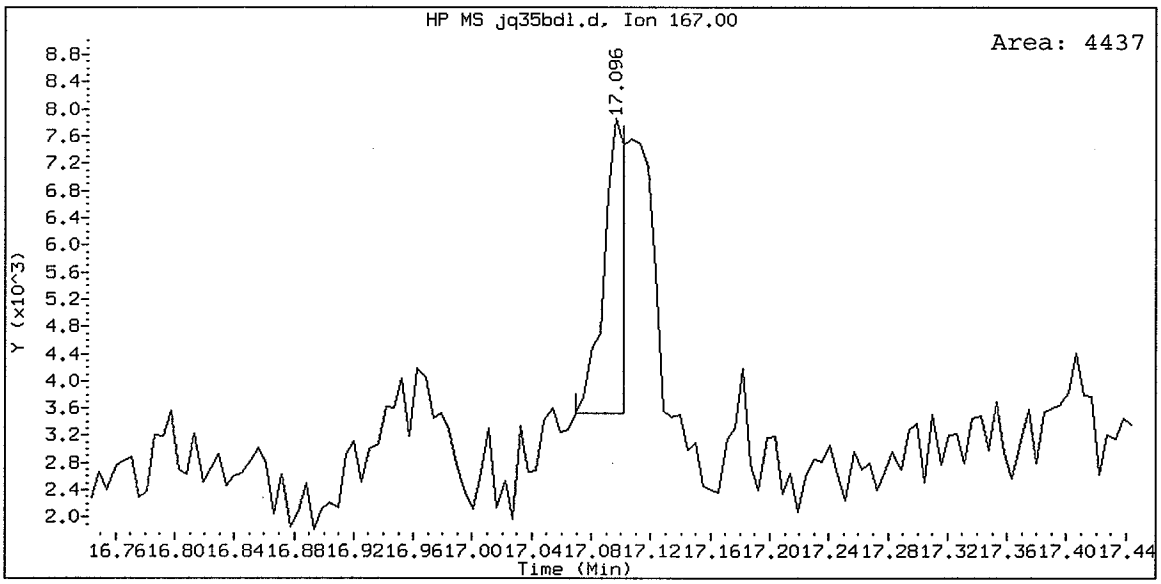


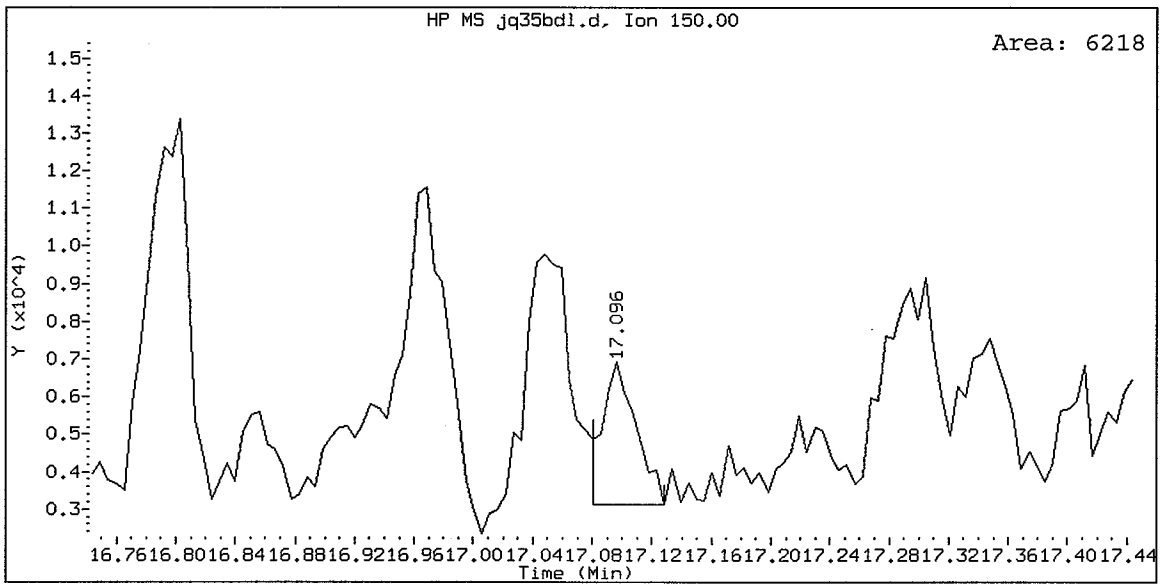




JQ35B, /chem1/nt6.i/20060807.b/jq35bdl.d
bis(2-Ethylhexyl)phthalate Amount: 0.91







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-E
SAMPLE

Lab Sample ID: JQ35C
LIMS ID: 06-12958
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 15:36
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 39.1%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	bis(2-Ethylhexyl)phthalate	110	< 110 U
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	30.5%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35cdl.d
Lab Smp Id: JQ35C Client Smp ID: T4-S3-02-E
Inj Date : 07-AUG-2006 15:36
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35C,3
Misc Info : 06-12958
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 9
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	45.10000	Weight of sample extracted (g)
M	39.10000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.213	3.192	(0.602)	117460	5.98025	653.2(M)
$ 2 Phenol-d5	99	5.120	5.115	(0.960)	157769	6.62928	724.1(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.949)	124221	6.15580	672.4(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.334	5.340	(1.000)	266178	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.057)	48073	3.69558	403.7
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.007	5.997	(1.126)	30721	1.13684 Y	124.2(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.306	6.317	(0.853)	119221	4.77015	521.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.391	7.396	(1.000)	923237	20.0000	
	28 Naphthalene	128	7.417	7.423	(1.004)	182636	3.25407	355.4
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.534	8.540	(1.155)	49266	1.62295	177.3
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	175533	4.18589	457.2
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.174	10.180	(1.000)	561620	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.005)	540573	14.9893	1637
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.478	10.484	(1.030)	132711	2.67458	292.1(M)
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.018	11.018	(1.083)	253405	6.29563	687.6
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.435	11.440	(1.124)	31952	5.91656	646.2
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	936311	20.0000	
	60 Phenanthrene	178	12.498	12.487	(1.003)	3956969	63.4829	6934
	61 Anthracene	178	12.556	12.557	(1.008)	660128	10.5494	1152
	62 Carbazole	167	12.893	12.893	(1.035)	530849	10.5384	1151
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.383	14.352	(1.155)	9303609	151.392 E	16540
65 Pyrene	202	14.704	14.672	(0.883)	8843182	71.3735	7796(M)
$ 66 Terphenyl-d14	244	15.105	15.094	(0.907)	197803	2.53939	277.4
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.643	16.601	(0.999)	8605553	77.4766	8462
* 69 Chrysene-d12	240	16.654	16.622	(1.000)	1470900	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.707	16.660	(1.003)	9163309	83.0184 E	9068
72 bis(2-Ethylhexyl)phthalate	149	17.103	17.092	(0.948)	32935	0.86104 LDL B	94.05(M)
* 134 Di-n-octylphthalate-d4	153	18.032	18.011	(1.000)	1514920	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.283	18.203	(0.975)	13037811	134.602 E	14700(M)
75 Benzo(k)fluoranthene	252	18.283	18.236	(0.975)	7665237	76.5290	8359(M)
76 Benzo(a)pyrene	252	18.700	18.615	(0.997)	11851109	127.119 E	13880
* 77 Perylene-d12	264	18.759	18.695	(1.000)	1475376	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.100	20.009	(1.071)	9766366	86.1099 E	9405
79 Dibenzo(a,h)anthracene	278	20.121	20.057	(1.073)	4321268	38.7873	4237
80 Benzo(g,h,i)perylene	276	20.383	20.292	(1.087)	8102832	68.2271	7452(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	8.689	8.694	(1.176)	27001	0.85090 LDL	92.94
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

<LRL
J NOT Reported
08/11/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35cdl.d
Lab Smp Id: JQ35C
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12958

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-02-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	266178	-16.56
27 Naphthalene-d8	1113586	556793	2227172	923237	-17.09
42 Acenaphthene-d10	652908	326454	1305816	561620	-13.98
59 Phenanthrene-d10	1012561	506280	2025122	936311	-7.53
69 Chrysene-d12	948800	474400	1897600	1470900	55.03
134 Di-n-octylphthala	1381183	690592	2762366	1514920	9.68
77 Perylene-d12	760208	380104	1520416	1475376	94.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.33	-0.11
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.08
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.06
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	0.00
69 Chrysene-d12	16.62	16.12	17.12	16.65	0.19
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.12
77 Perylene-d12	18.69	18.19	19.19	18.76	0.34

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35C
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12958

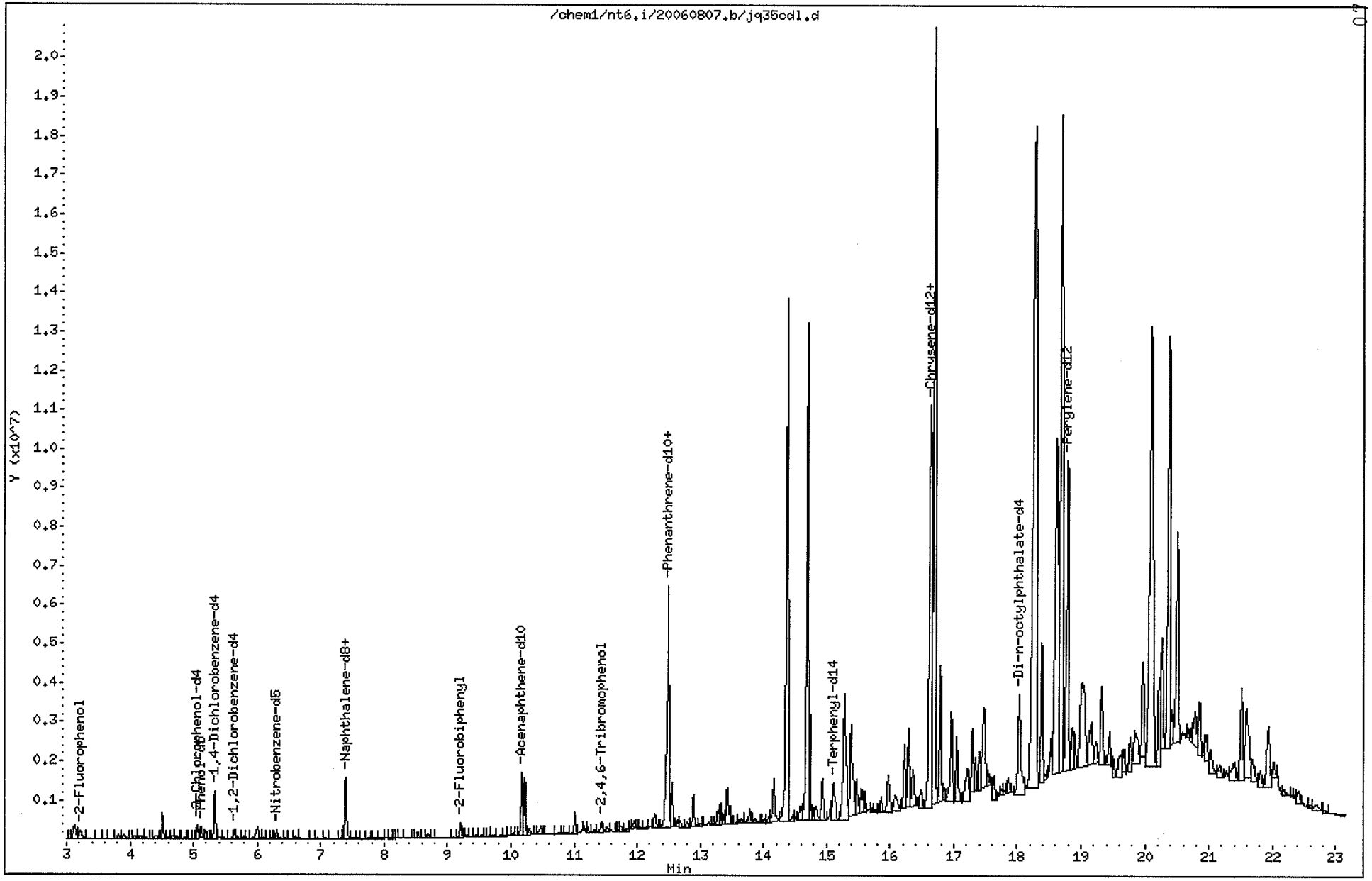
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-E
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1365	653.2	47.84	22-91
$ 2 Phenol-d5	1365	724.1	53.03	26-99
$ 5 2-Chlorophenol-d4	1365	672.4	49.25	29-96
$ 10 1,2-Dichlorobenzen	910.2	403.7	44.35	24-87
$ 18 Nitrobenzene-d5	910.2	521.0	57.24	27-101
$ 36 2-Fluorobiphenyl	910.2	457.2	50.23	30-100
$ 55 2,4,6-Tribromophen	1365	646.2	47.33	20-114
$ 66 Terphenyl-d14	910.2	277.4	30.47	12-120

Data File: /chem1/nt6.i/20060807.b/jq35cd1.d
Date : 07-AUG-2006 15:36
Client ID: T4-S3-02-E
Sample Info: JQ35C,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0750

Data File: /chem1/nt6.i/20060807.b/jq35cdl.d

Date : 07-AUG-2006 15:36

Client ID: T4-S3-02-E

Instrument: nt6.i

Sample Info: JQ35C,3

Volume Injected (uL): 1.0

Operator: LJR

Column phase: ZB-5

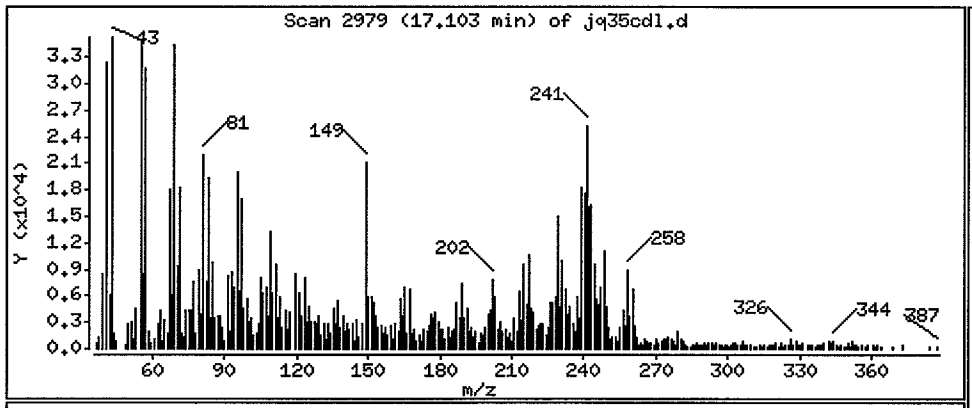
Column diameter: 0.32

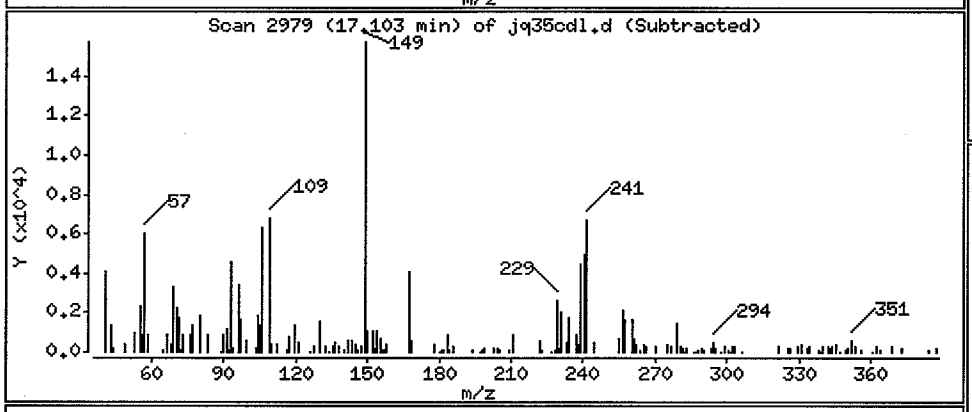
LRL JB

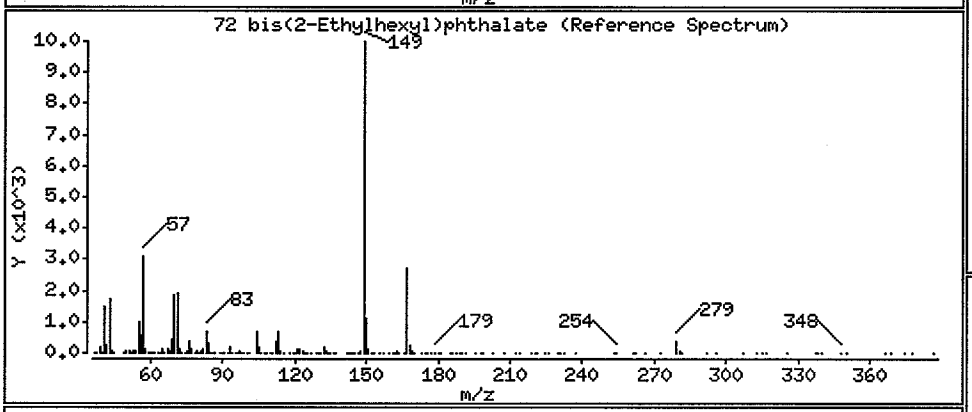
Not Reported BB 8/11/06

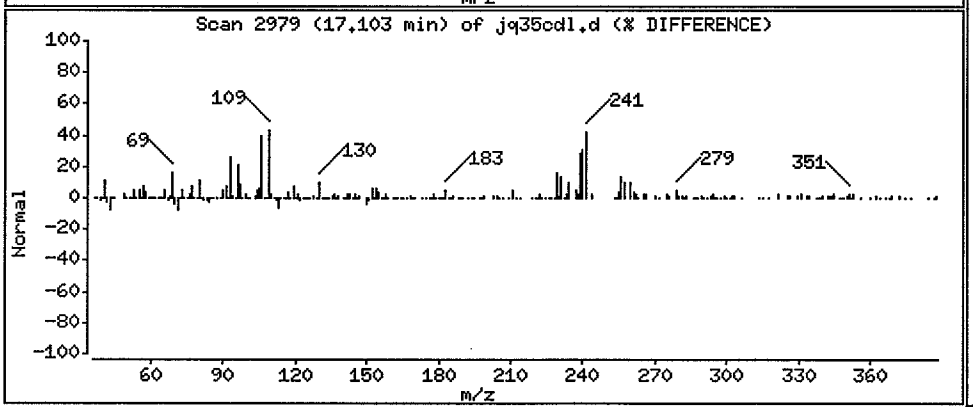
72 bis(2-Ethylhexyl)phthalate

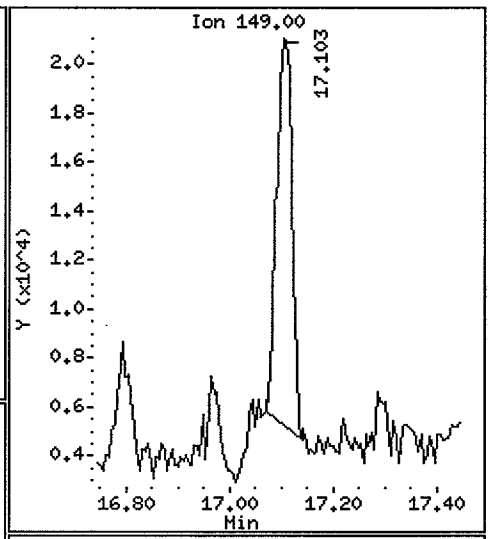
Concentration: 94.05 ug/kg

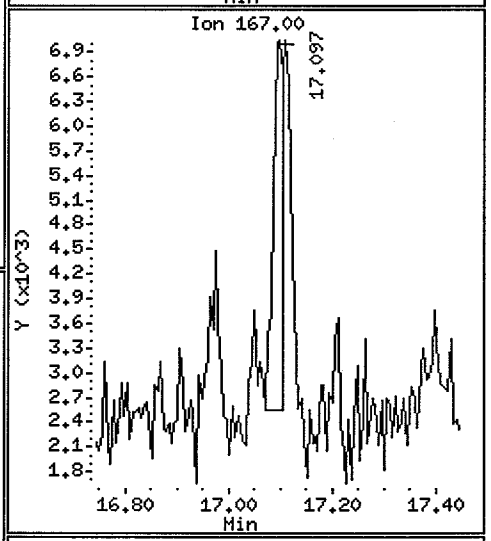


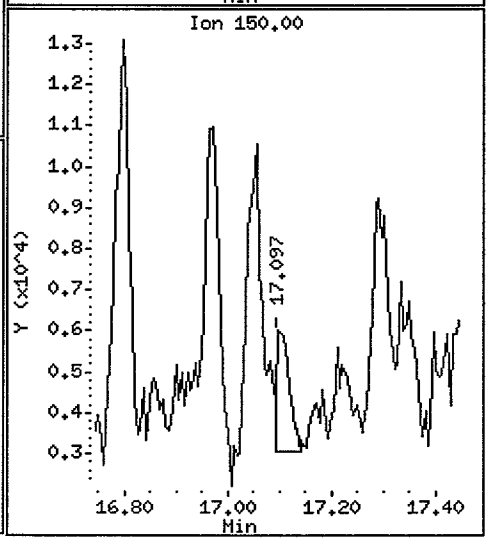




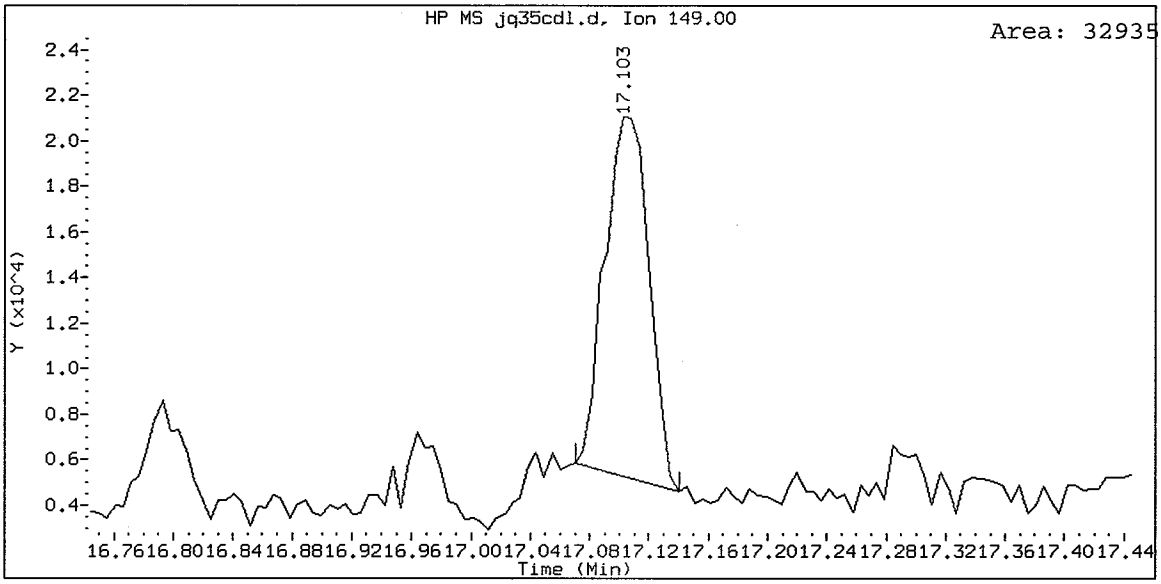


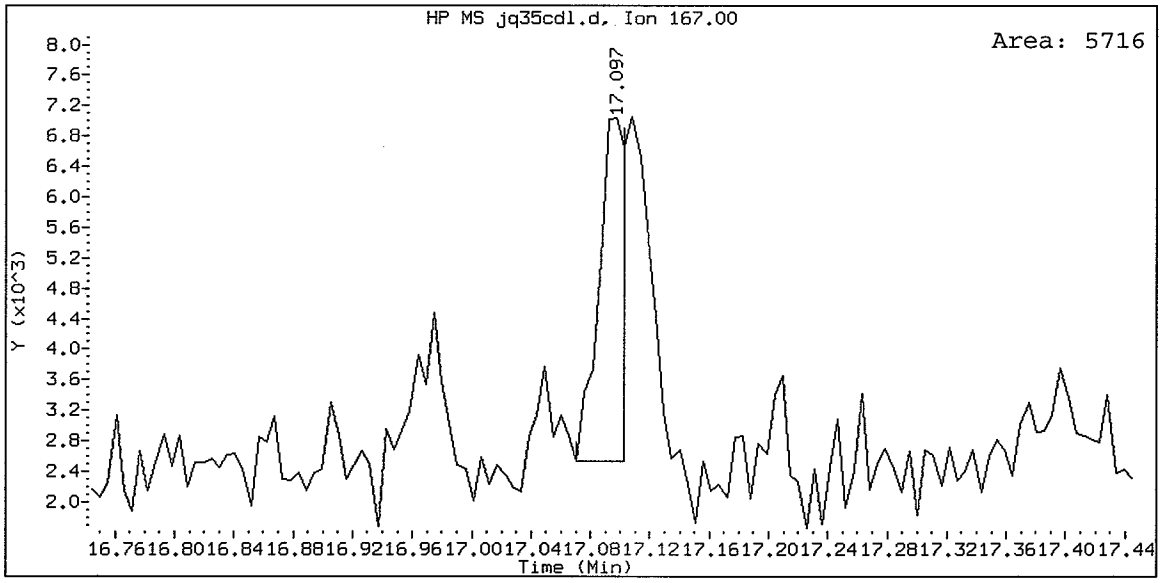


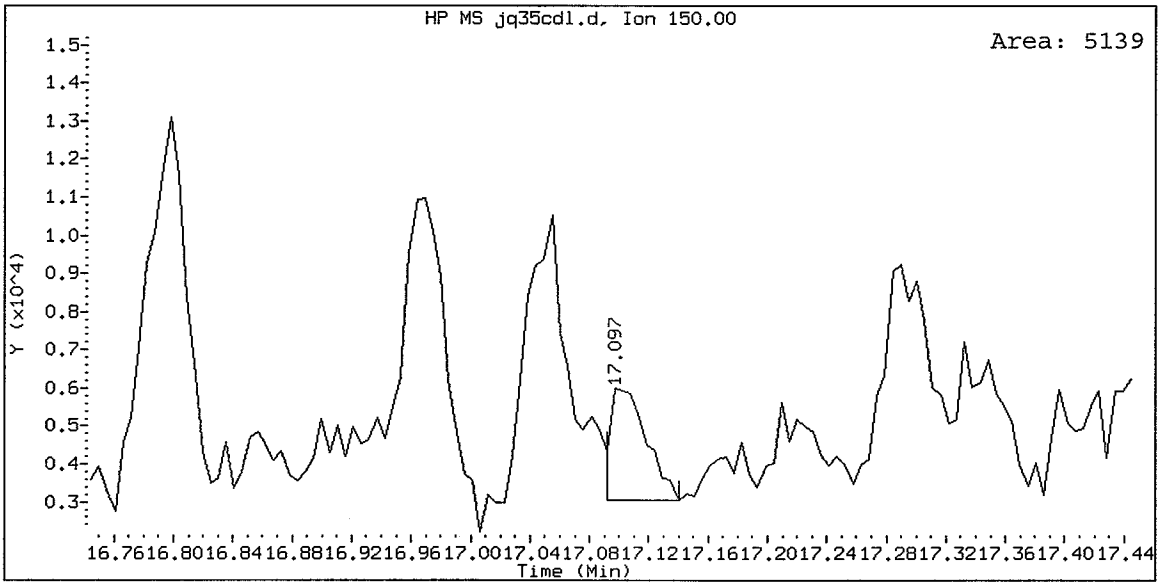




JQ35C, /chem1/nt6.i/20060807.b/jq35cdl.d
bis(2-Ethylhexyl)phthalate Amount: 0.86







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-02-F
SAMPLE

Lab Sample ID: JQ35D
LIMS ID: 06-12959
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 16:06
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 20.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 44.9%
pH: 6.4

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	150	< 150 U
84-66-2	Diethylphthalate	150	< 150 U
84-74-2	Di-n-Butylphthalate	150	< 150 U
85-68-7	Butylbenzylphthalate	150	< 150 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**150**	**210 B**
117-84-0	Di-n-Octyl phthalate	150	< 150 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	45.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35ddl.d
Lab Smp Id: JQ35D Client Smp ID: T4-S3-02-F
Inj Date : 07-AUG-2006 16:06
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35D,3
Misc Info : 06-12959
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 10
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	37.20000	Weight of sample extracted (g)
M	44.90000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.220	3.192	(0.603)	125392	6.39782	936.4(M)
$ 2 Phenol-d5	99	5.127	5.115	(0.961)	173755	7.31669	1071(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.063	5.056	(0.949)	138596	6.88293	1007(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.335	5.340	(1.000)	265607	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.634	5.639	(1.056)	55367	4.26545	624.3
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	5.998	5.997	(1.124)	17222	0.63868 LDL	93.48(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.307	6.317	(0.853)	132200	5.31564	778.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.392	7.396	(1.000)	918689	20.0000	
	28 Naphthalene	128	7.419	7.423	(1.004)	72949	1.30618	191.2
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.540	8.540	(1.155)	20015	0.66261 LDL	96.98
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.214	9.213	(0.905)	197393	4.63561	678.5
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.180	10.180	(1.000)	570291	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.223	10.222	(1.004)	234820	6.41221	938.5
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.485	10.484	(1.030)	54008	1.07190	156.9(M)
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.019	11.018	(1.082)	104383	2.55388	373.8(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.441	11.440	(1.124)	42173	7.69045	1126(M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.462	12.455	(1.000)	1030944	20.0000	
	60 Phenanthrene	178	12.499	12.487	(1.003)	1731962	25.2358	3694
	61 Anthracene	178	12.563	12.557	(1.008)	334316	4.85221	710.2
	62 Carbazole	167	12.900	12.893	(1.035)	202236	3.64625	533.7
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.379	14.352	(1.154)	4069153	60.1368	8802
65 Pyrene	202	14.695	14.672	(0.883)	3834214	39.4339	5772(M)
$ 66 Terphenyl-d14	244	15.106	15.094	(0.908)	233530	3.82035	559.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.623	16.601	(0.999)	3073908	35.2653	5161
* 69 Chrysene-d12	240	16.639	16.622	(1.000)	1154300	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.682	16.660	(1.003)	3223309	37.2125	5446
72 bis(2-Ethylhexyl)phthalate	149	17.099	17.092	(0.949)	52597	1.41834 B	207.6(M)
* 134 Di-n-octylphthalate-d4	153	18.023	18.011	(1.000)	1468699	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.252	18.203	(0.974)	4917334	55.1429	8071(M)
75 Benzo(k)fluoranthene	252	18.252	18.236	(0.974)	3518867	38.1607	5585(M)
76 Benzo(a)pyrene	252	18.664	18.615	(0.996)	4843009	56.4261	8259
* 77 Perylene-d12	264	18.733	18.695	(1.000)	1358283	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.069	20.009	(1.071)	3544532	33.9462	4968
79 Dibenzo(a,h)anthracene	278	20.090	20.057	(1.072)	1315964	12.8302	1878
80 Benzo(g,h,i)perylene	276	20.347	20.292	(1.086)	3183210	29.1137	4261
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35ddl.d
Lab Smp Id: JQ35D
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12959

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-02-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	265607	-16.74
27 Naphthalene-d8	1113586	556793	2227172	918689	-17.50
42 Acenaphthene-d10	652908	326454	1305816	570291	-12.65
59 Phenanthrene-d10	1012561	506280	2025122	1030944	1.82
69 Chrysene-d12	948800	474400	1897600	1154300	21.66
134 Di-n-octylphthala	1381183	690592	2762366	1468699	6.34
77 Perylene-d12	760208	380104	1520416	1358283	78.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.08
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.06
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.05
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.10
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.06
77 Perylene-d12	18.69	18.19	19.19	18.73	0.20

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.

Analytical Resources, Inc.

RECOVERY REPORT

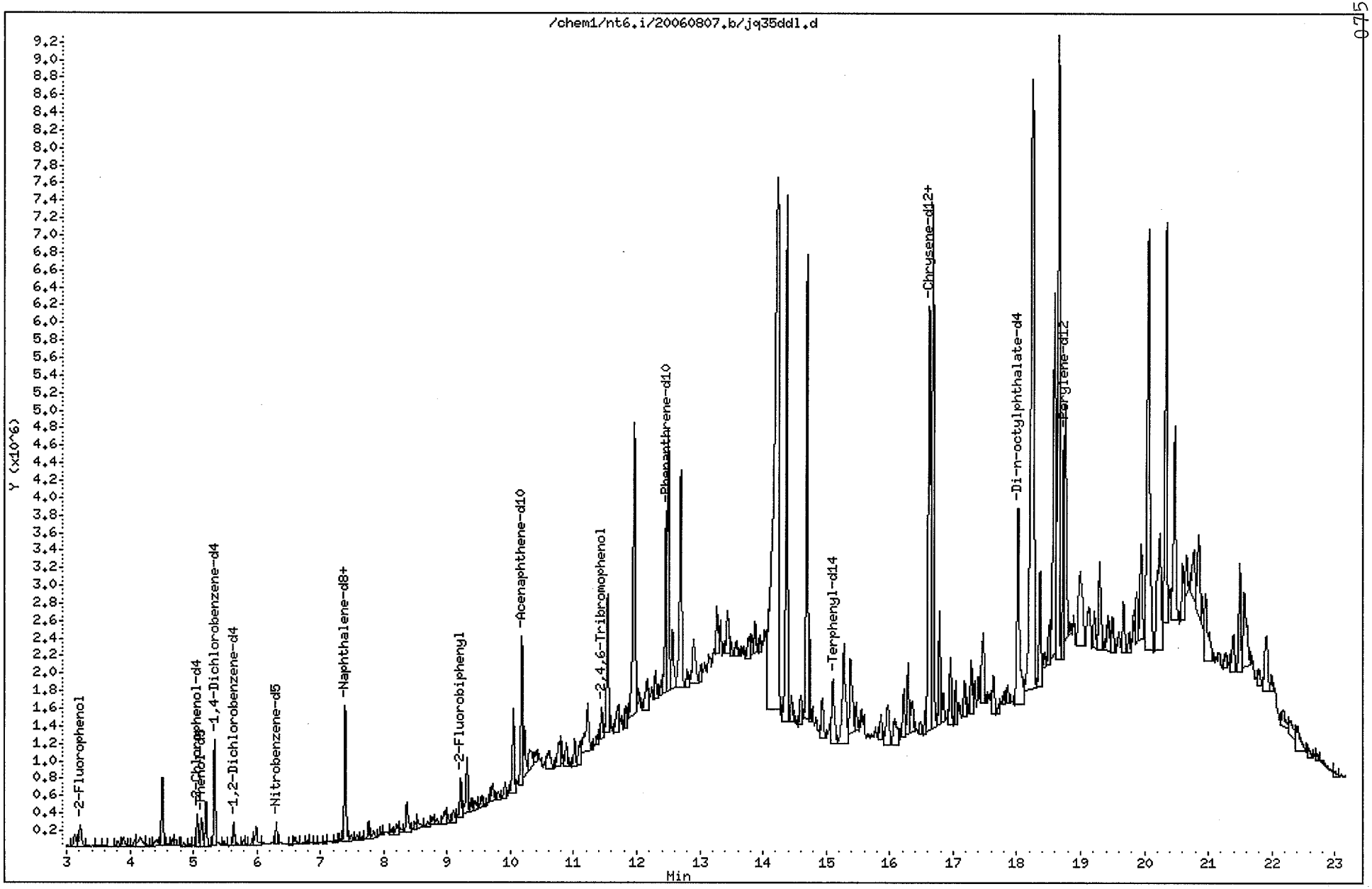
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35D
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12959

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-02-F
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1830	936.4	51.18	22-91
$ 2 Phenol-d5	1830	1071	58.53	26-99
$ 5 2-Chlorophenol-d4	1830	1007	55.06	29-96
$ 10 1,2-Dichlorobenzen	1220	624.3	51.19	24-87
$ 18 Nitrobenzene-d5	1220	778.0	63.79	27-101
$ 36 2-Fluorobiphenyl	1220	678.5	55.63	30-100
$ 55 2,4,6-Tribromophen	1830	1126	61.52	20-114
$ 66 Terphenyl-d14	1220	559.2	45.84	12-120

Data File: /chem1/nt6.i/20060807.b/jq35ddl.d
Date : 07-AUG-2006 16:06
Client ID: T4-S3-02-F
Sample Info: JQ35D,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0759

Data File: /chem1/nt6.i/20060807.b/jq35ddl.d

Date : 07-AUG-2006 16:06

Client ID: T4-S3-02-F

Instrument: nt6.i

Sample Info: JQ35D,3

Volume Injected (uL): 1.0

Operator: LJR

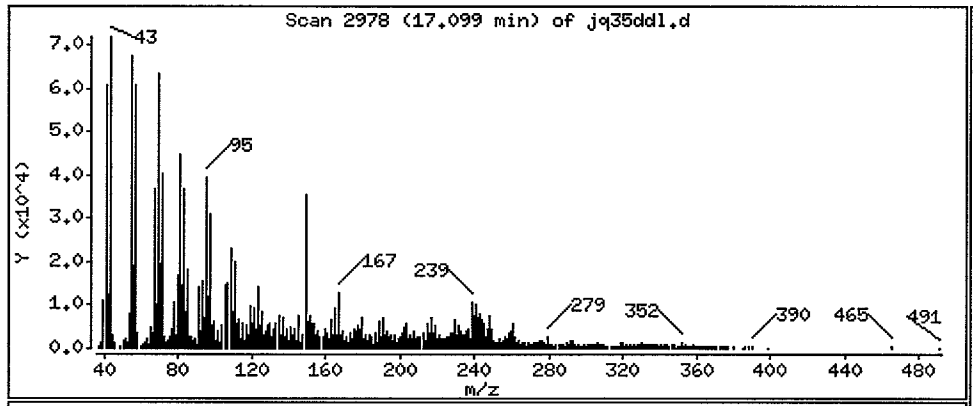
Column phase: ZB-5

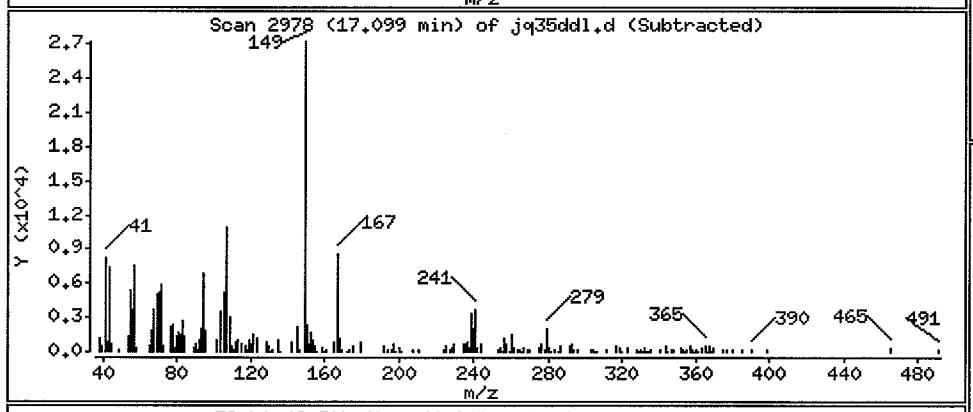
Column diameter: 0.32

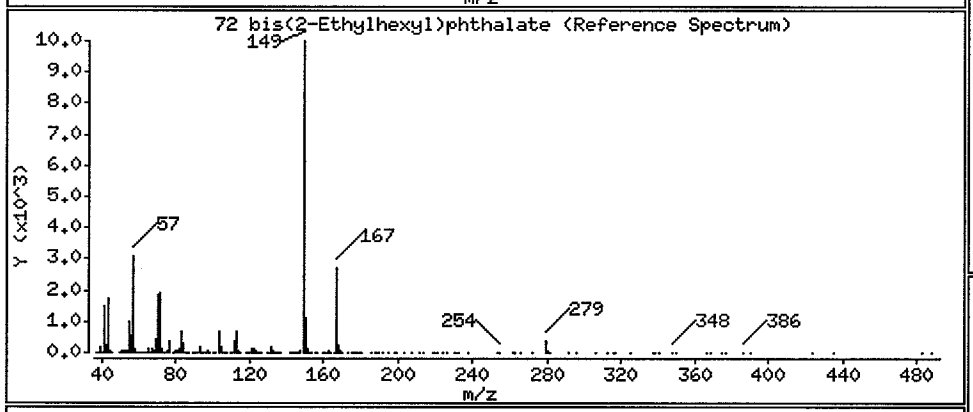
72 bis(2-Ethylhexyl)phthalate

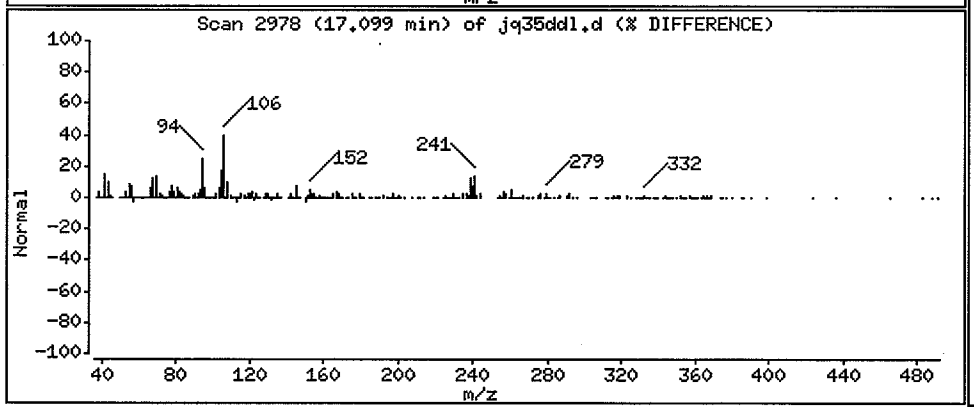
Concentration: 207.6 ug/kg

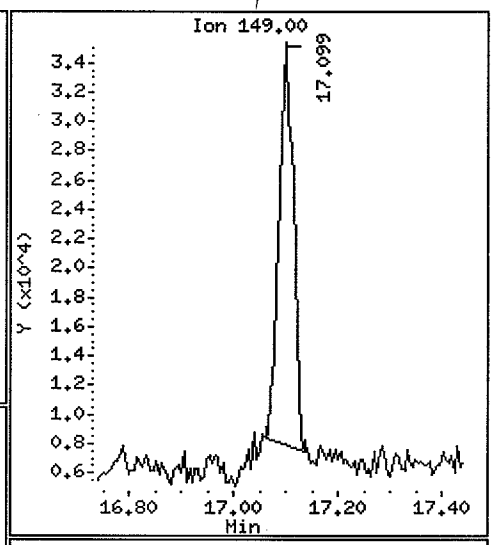
B

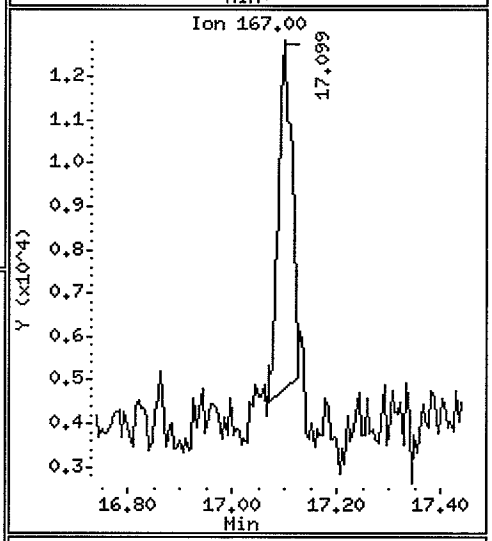


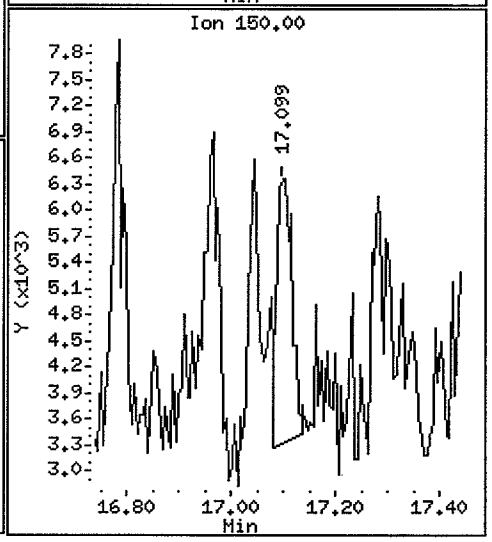






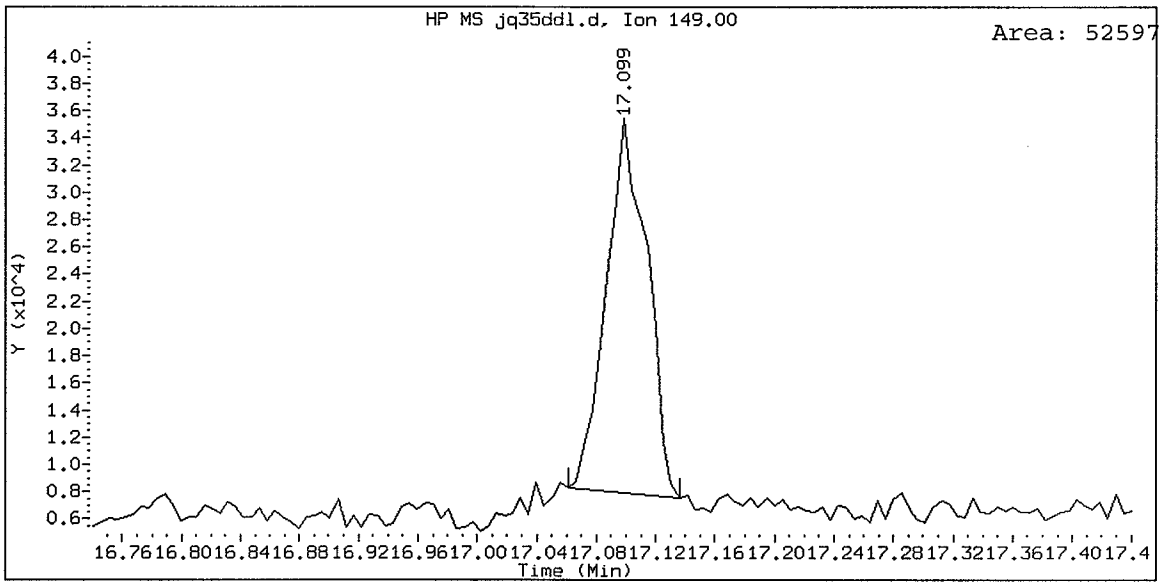


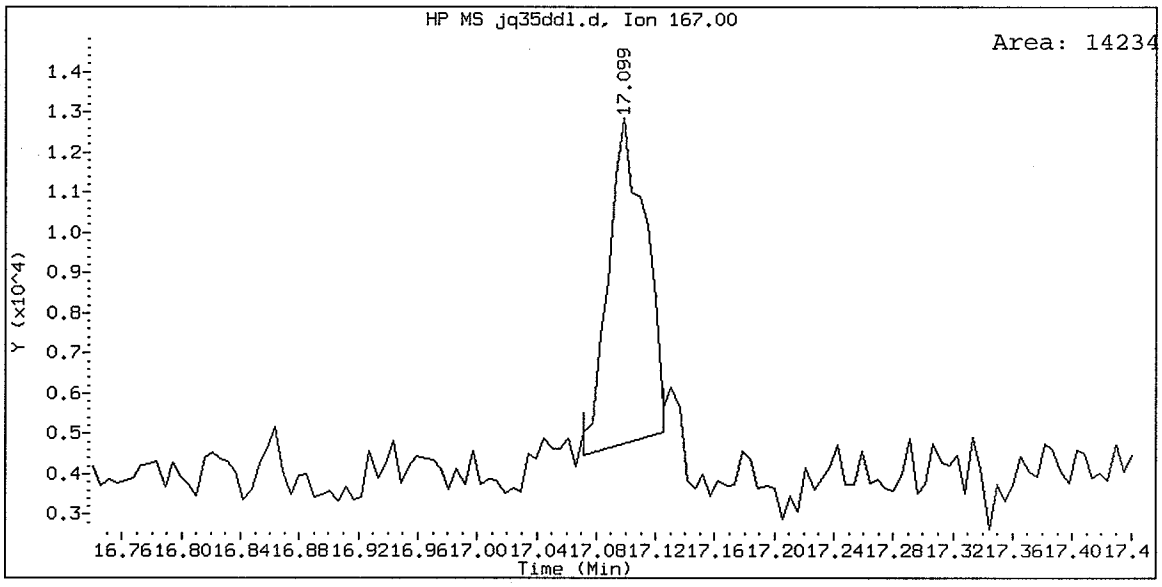


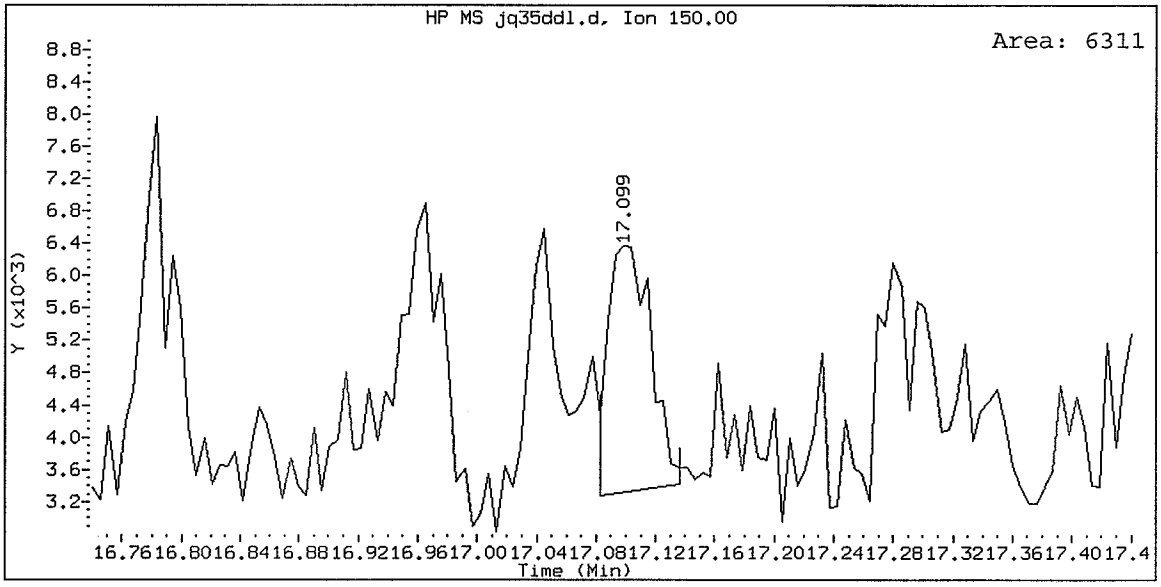


JQ35D, /chem1/nt6.i/20060807.b/jq35ddl.d
bis(2-Ethylhexyl)phthalate Amount: 1.42

B







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-B
SAMPLE

Lab Sample ID: JQ35E
LIMS ID: 06-12960
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 16:37
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 44.2%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**140 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	44.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35edl.d
Lab Smp Id: JQ35E
Client Smp ID: T4-S3-03-B
Inj Date : 07-AUG-2006 16:37
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35E,3
Misc Info : 06-12960
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 11
Dil Factor: 3.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	49.70000	Weight of sample extracted (g)
M	44.20000	% Moisture

Cpnd Variable
Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	3.217	3.192	(0.603)	105004	5.27339	570.5
$	2 Phenol-d5	99	5.124	5.115	(0.960)	154231	6.39250	691.5
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	5.060	5.056	(0.948)	119737	5.85292	633.1(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.338	5.340	(1.000)	269847	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.637	5.639	(1.056)	47761	3.62167	391.8
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.305	6.317	(0.853)	113659	4.55264	492.5
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.395	7.396	(1.000)	922218	20.0000	
	28 Naphthalene	128	7.421	7.423	(1.004)	65336	1.16539	126.1
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.533	8.540	(1.154)	25629	0.84522 LDL	91.43
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.211	9.213	(0.905)	177647	4.11450	445.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.178	10.180	(1.000)	578246	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.221	10.222	(1.004)	162733	4.38260	474.1(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.488	10.484	(1.030)	64307	1.25874	136.2
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.017	11.018	(1.082)	125690	3.03288	328.1(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.439	11.440	(1.124)	36823	6.62248	716.4
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.459	12.455	(1.000)	1017619	20.0000	
	60 Phenanthrene	178	12.491	12.487	(1.003)	1628021	24.0320	2600
	61 Anthracene	178	12.555	12.557	(1.008)	210963	3.10198	335.6
	62 Carbazole	167	12.897	12.893	(1.035)	202246	3.69418	399.6(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.372	14.352	(1.153)	4179035	62.5694	6769
65 Pyrene	202	14.692	14.672	(0.883)	3658504	38.4285	4157
$ 66 Terphenyl-d14	244	15.103	15.094	(0.908)	220277	3.68033	398.1
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.621	16.601	(0.999)	2516361	29.4839	3189
* 69 Chrysene-d12	240	16.642	16.622	(1.000)	1130218	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.679	16.660	(1.002)	3086908	36.3971	3937
72 bis(2-Ethylhexyl)phthalate	149	17.107	17.092	(0.949)	46810	1.27262 B	137.7(M)
* 134 Di-n-octylphthalate-d4	153	18.020	18.011	(1.000)	1456773	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.245	18.203	(0.974)	3758034	44.8821	4855(M)
75 Benzo(k)fluoranthene	252	18.245	18.236	(0.974)	3087222	35.6561	3857(M)
76 Benzo(a)pyrene	252	18.656	18.615	(0.996)	3392336	42.0936	4554
* 77 Perylene-d12	264	18.731	18.695	(1.000)	1275374	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.056	20.009	(1.071)	2428213	24.7669	2679
79 Dibenzo(a,h)anthracene	278	20.088	20.057	(1.072)	908531	9.43372	1021
80 Benzo(g,h,i)perylene	276	20.333	20.292	(1.086)	2142655	20.8707	2258(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35edl.d
Lab Smp Id: JQ35E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12960

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-03-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	269847	-15.41
27 Naphthalene-d8	1113586	556793	2227172	922218	-17.18
42 Acenaphthene-d10	652908	326454	1305816	578246	-11.44
59 Phenanthrene-d10	1012561	506280	2025122	1017619	0.50
69 Chrysene-d12	948800	474400	1897600	1130218	19.12
134 Di-n-octylphthala	1381183	690592	2762366	1456773	5.47
77 Perylene-d12	760208	380104	1520416	1275374	67.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.03
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.02
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.02
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.03
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.12
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.05
77 Perylene-d12	18.69	18.19	19.19	18.73	0.19

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.

Analytical Resources, Inc.

RECOVERY REPORT

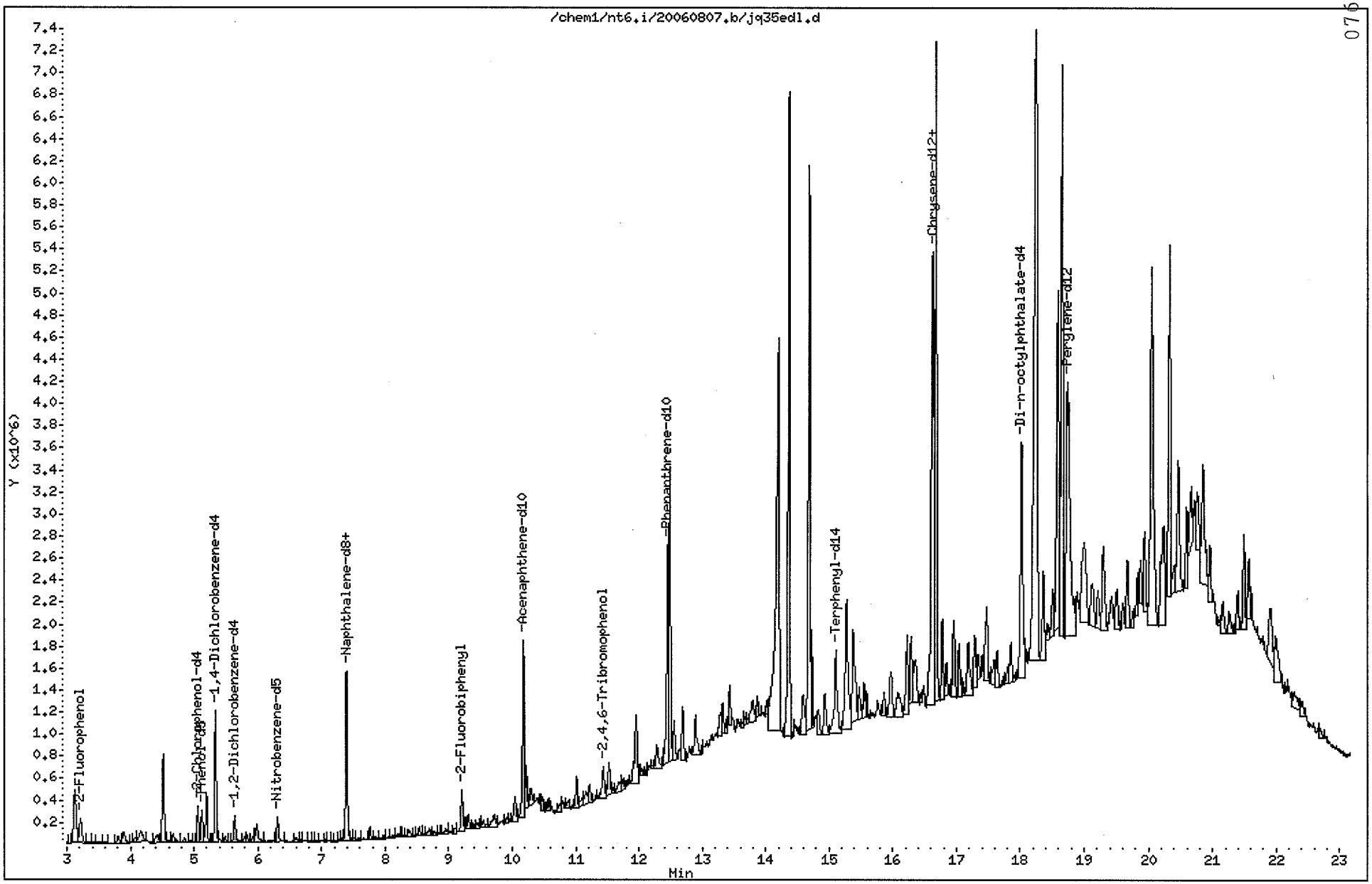
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35E
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12960

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1352	570.5	42.19	22-91
$ 2 Phenol-d5	1352	691.5	51.14	26-99
$ 5 2-Chlorophenol-d4	1352	633.1	46.82	29-96
$ 10 1,2-Dichlorobenzen	901.5	391.8	43.46	24-87
$ 18 Nitrobenzene-d5	901.5	492.5	54.63	27-101
$ 36 2-Fluorobiphenyl	901.5	445.1	49.37	30-100
$ 55 2,4,6-Tribromophen	1352	716.4	52.98	20-114
$ 66 Terphenyl-d14	901.5	398.1	44.16	12-120

Data File: /chem1/nt6.i/20060807.b/jq35ed1.d
Date : 07-AUG-2006 16:37
Client ID: T4-S3-03-B
Sample Info: JQ35E,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0768

Data File: /chem1/nt6.i/20060807.b/jq35ed1.d

Date : 07-AUG-2006 16:37

Client ID: T4-S3-03-B

Instrument: nt6.i

Sample Info: JQ35E,3

Volume Injected (uL): 1.0

Operator: LJR

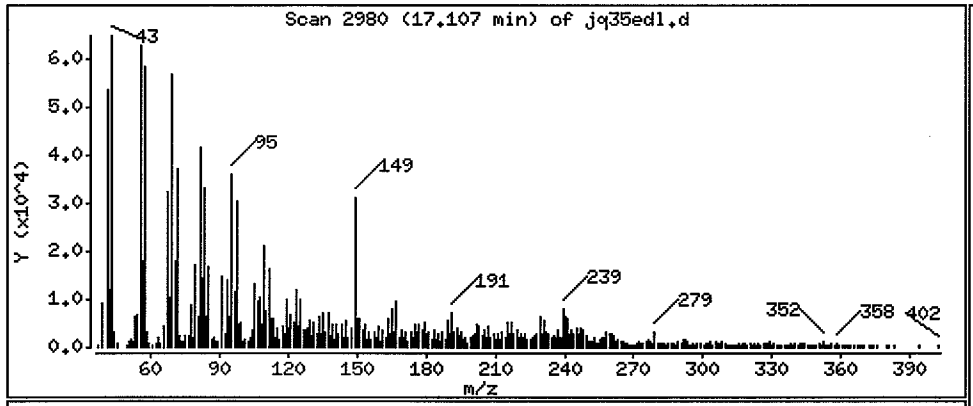
Column phase: ZB-5

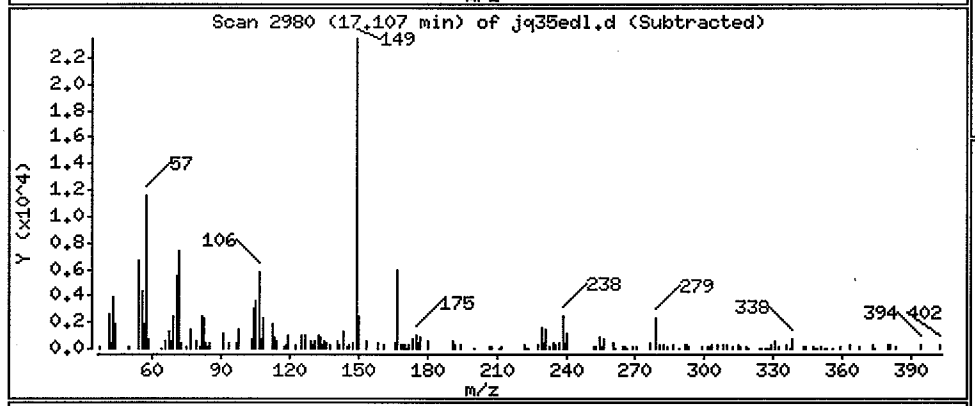
Column diameter: 0.32

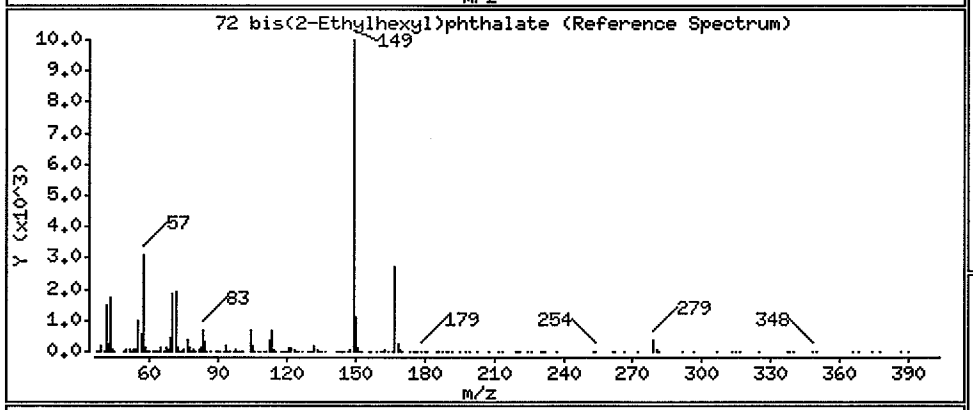
B

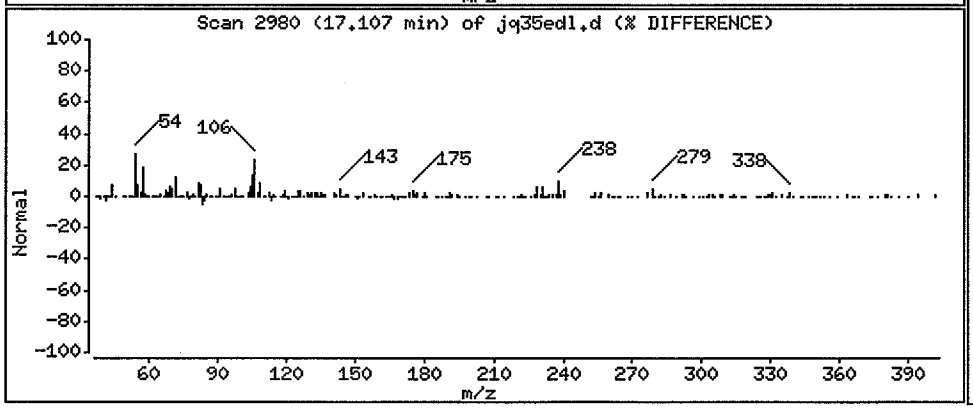
72 bis(2-Ethylhexyl)phthalate

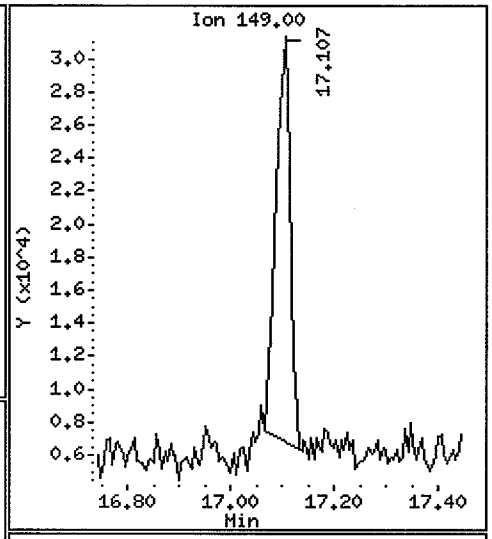
Concentration: 137.7 ug/kg

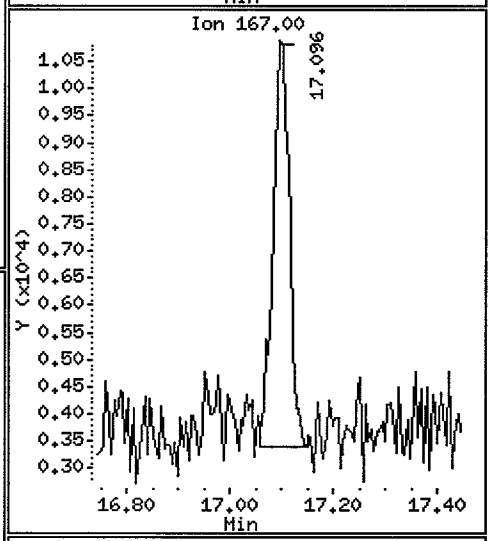


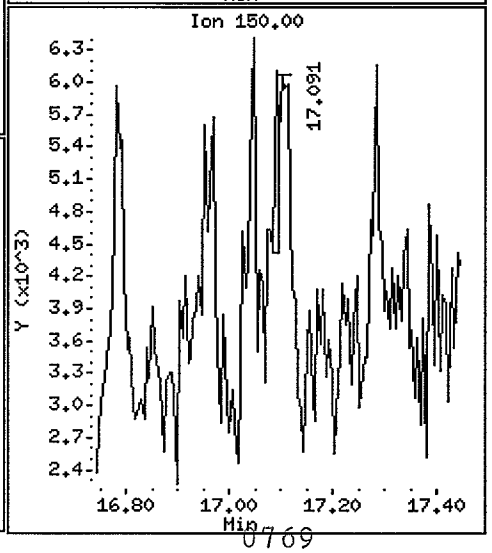






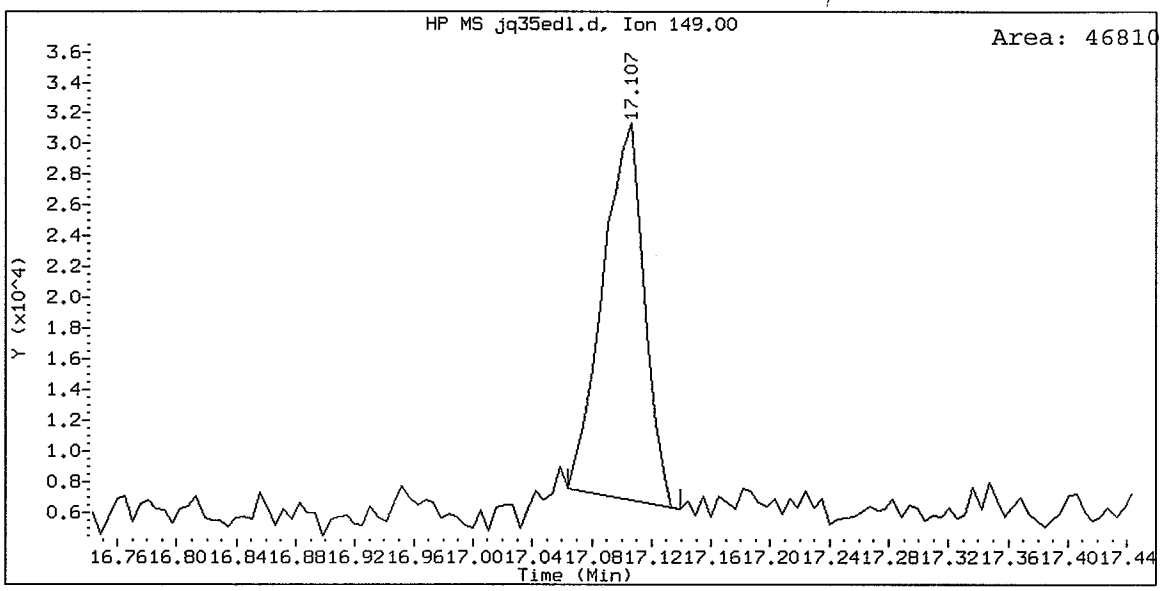


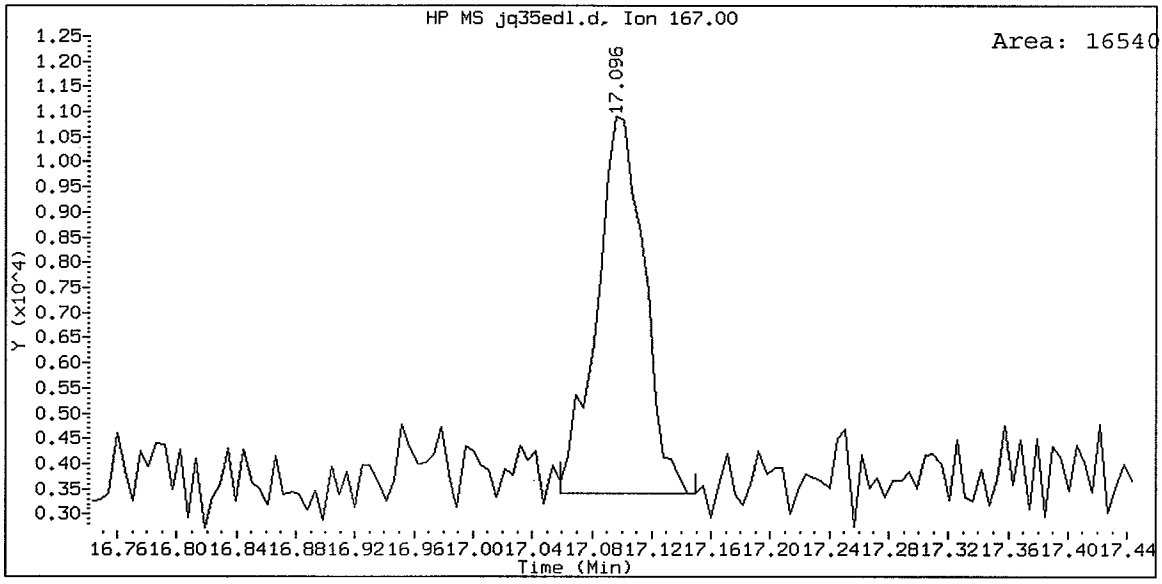


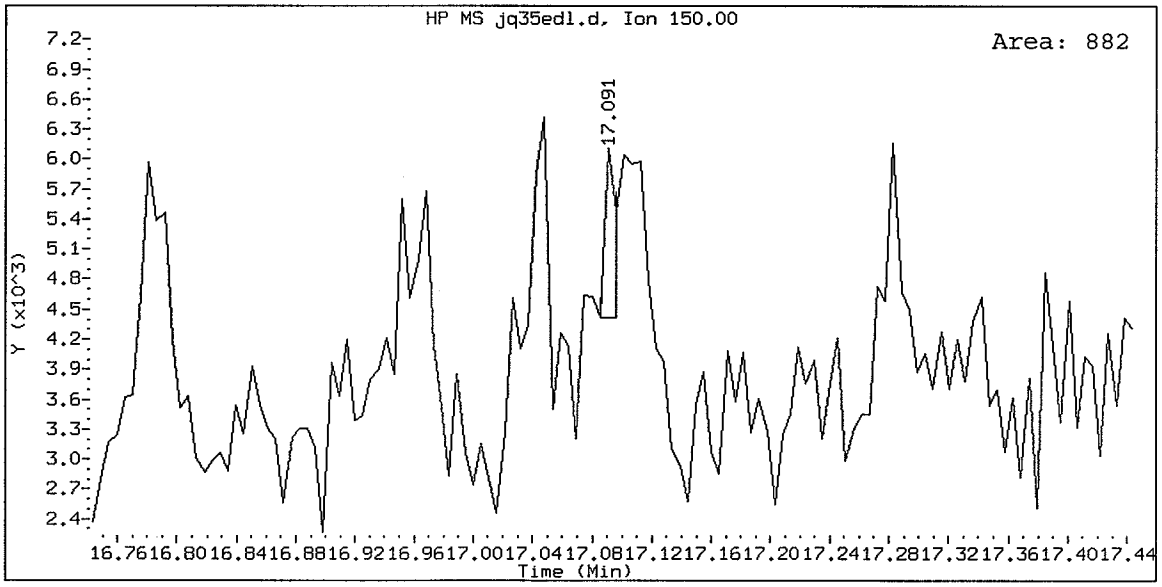


JQ35E, /chem1/nt6.i/20060807.b/jq35edl.d
bis(2-Ethylhexyl)phthalate Amount: 1.27

B







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-C
SAMPLE

Lab Sample ID: JQ35F
LIMS ID: 06-12961
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 17:07
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 40.6%
pH: 6.6

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**160 B**
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	44.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35fdl.d
Lab Smp Id: JQ35F Client Smp ID: T4-S3-03-C
Inj Date : 07-AUG-2006 17:07
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35F,3
Misc Info : 06-12961
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 12
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	85.70000	Weight of sample extracted (g)
M	40.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.218	3.192	(0.603)	97628	5.17607	305.0(M)
$ 2 Phenol-d5	99	5.125	5.115	(0.960)	128801	5.63586	332.1(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.948)	98022	5.05835	298.1(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.339	5.340	(1.000)	255609	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.056)	39730	3.18050	187.4
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.853)	97937	4.06878	239.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.395	7.396	(1.000)	889587	20.0000	
	28 Naphthalene	128	7.422	7.423	(1.004)	33423	0.61803 LDL	36.42
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	154561	3.66739	216.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.179	10.180	(1.000)	564436	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.221	10.222	(1.004)	56018	1.54555	91.08(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.023	11.018	(1.083)	40911	1.01133	59.60(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.445	11.440	(1.124)	32061	5.90713	348.1
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.465	12.455	(1.000)	1040270	20.0000	
	60 Phenanthrene	178	12.497	12.487	(1.003)	455154	6.57244	387.3(M)
	61 Anthracene	178	12.561	12.557	(1.008)	73804	1.06158	62.56
	62 Carbazole	167	12.898	12.893	(1.035)	33479	0.59820 LDL	35.25(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.372	14.352	(1.153)	1048434	15.3556	904.9
65 Pyrene	202	14.687	14.672	(0.883)	1039802	12.2900	724.3
$ 66 Terphenyl-d14	244	15.104	15.094	(0.908)	197949	3.72155	219.3
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.610	16.601	(0.999)	542702	7.15529	421.7
* 69 Chrysene-d12	240	16.632	16.622	(1.000)	1004405	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.669	16.660	(1.002)	646292	8.57483	505.3
72 bis(2-Ethylhexyl)phthalate	149	17.102	17.092	(0.949)	104363	2.77009 B	163.2(M)
* 134 Di-n-octylphthalate-d4	153	18.021	18.011	(1.000)	1492125	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.224	18.203	(0.973)	672416	8.10429	477.6(M)
75 Benzo(k)fluoranthene	252	18.224	18.236	(0.973)	738625	8.60903	507.4(M)
76 Benzo(a)pyrene	252	18.635	18.615	(0.995)	786506	9.84882	580.4
* 77 Perylene-d12	264	18.721	18.695	(1.000)	1263784	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.035	20.009	(1.070)	606289	6.24065	367.8
79 Dibenzo(a,h)anthracene	278	20.083	20.057	(1.073)	67574	0.70809 LDL	41.73(M)
80 Benzo(g,h,i)perylene	276	20.313	20.292	(1.085)	616356	6.05873	357.1
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35fdl.d
Lab Smp Id: JQ35F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12961

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-03-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	255609	-19.87
27 Naphthalene-d8	1113586	556793	2227172	889587	-20.12
42 Acenaphthene-d10	652908	326454	1305816	564436	-13.55
59 Phenanthrene-d10	1012561	506280	2025122	1040270	2.74
69 Chrysene-d12	948800	474400	1897600	1004405	5.86
134 Di-n-octylphthala	1381183	690592	2762366	1492125	8.03
77 Perylene-d12	760208	380104	1520416	1263784	66.24

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.02
27 Naphthalene-d8	7.40	6.90	7.90	7.40	-0.01
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.08
69 Chrysene-d12	16.62	16.12	17.12	16.63	0.06
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.05
77 Perylene-d12	18.69	18.19	19.19	18.72	0.14

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35F
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12961

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

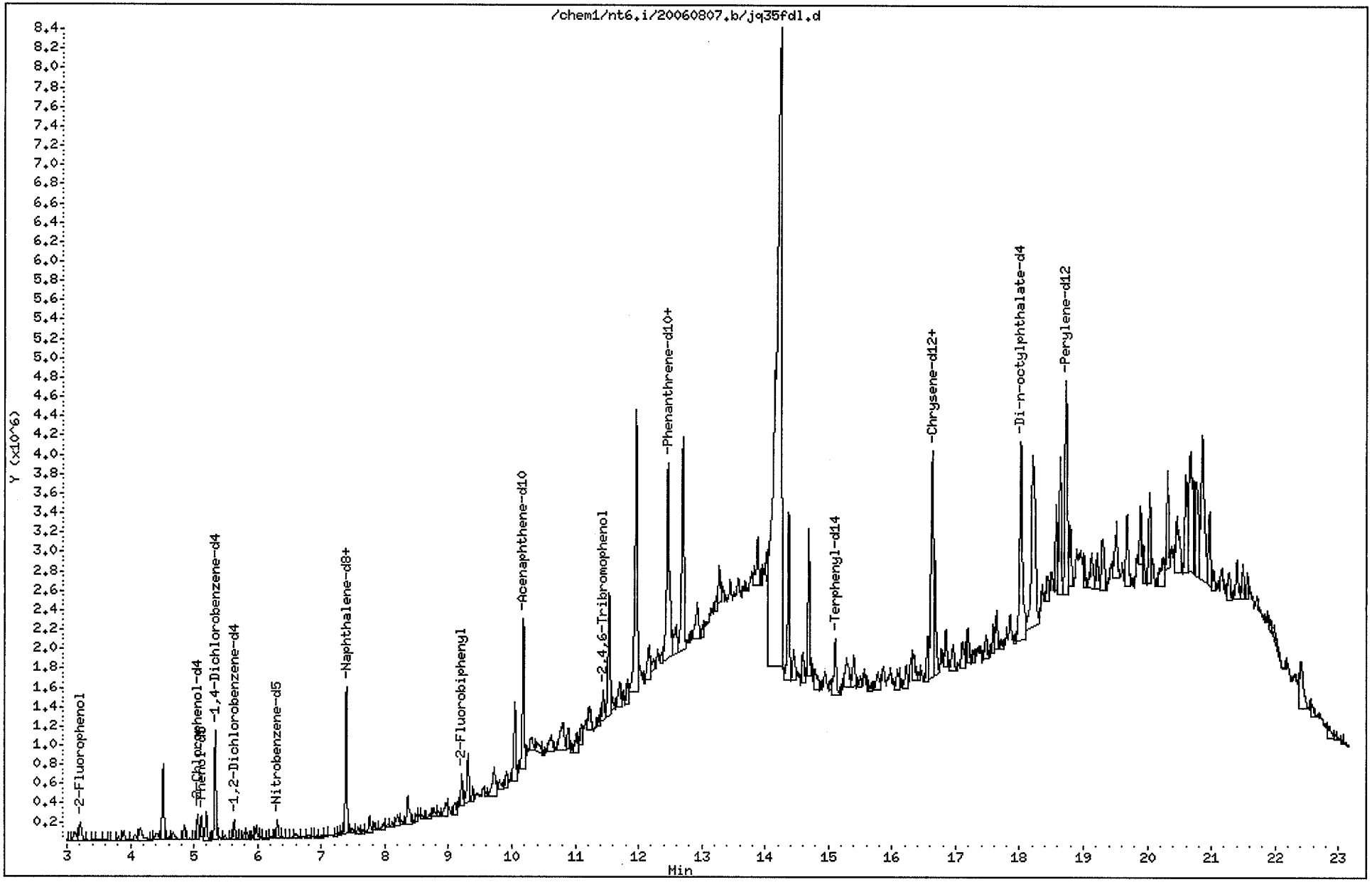
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	736.7	305.0	41.41	22-91
$ 2 Phenol-d5	736.7	332.1	45.09	26-99
$ 5 2-Chlorophenol-d4	736.7	298.1	40.47	29-96
$ 10 1,2-Dichlorobenzen	491.1	187.4	38.17	24-87
$ 18 Nitrobenzene-d5	491.1	239.7	48.80	27-101
$ 36 2-Fluorobiphenyl	491.1	216.1	44.01	30-100
$ 55 2,4,6-Tribromophen	736.7	348.1	47.26	20-114
$ 66 Terphenyl-d14	491.1	219.3	44.66	12-120

Data File: /chem1/nt6.i/20060807.b/jq35fd1.d
Date : 07-AUG-2006 17:07
Client ID: T4-S3-03-C
Sample Info: JQ35F,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

0777



Data File: /chem1/nt6.i/20060807.b/jq35fdl.d

Date : 07-AUG-2006 17:07

Client ID: T4-S3-03-C

Instrument: nt6.i

Sample Info: JQ35F,3

Volume Injected (uL): 1.0

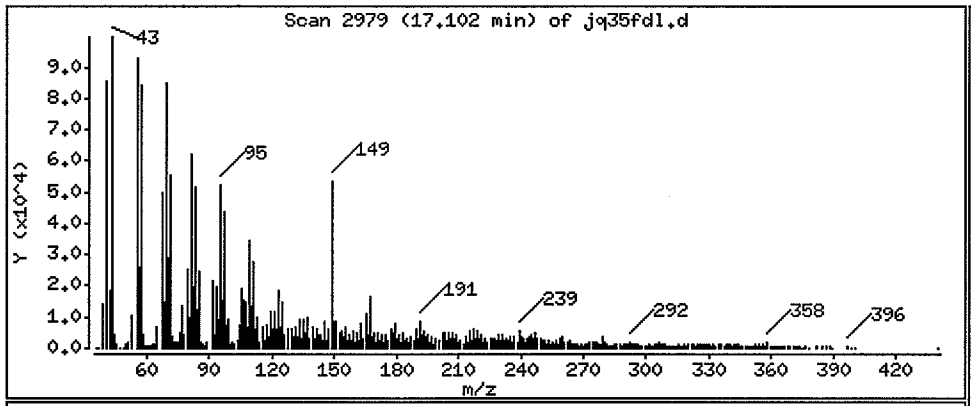
Operator: LJR

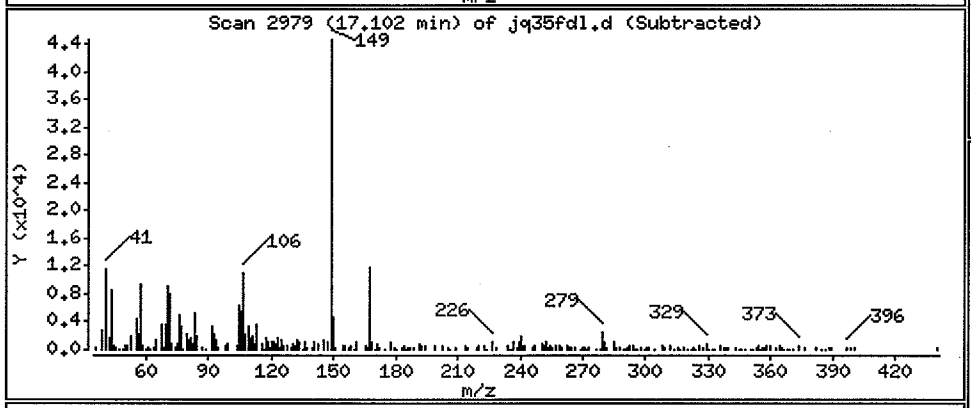
Column phase: ZB-5

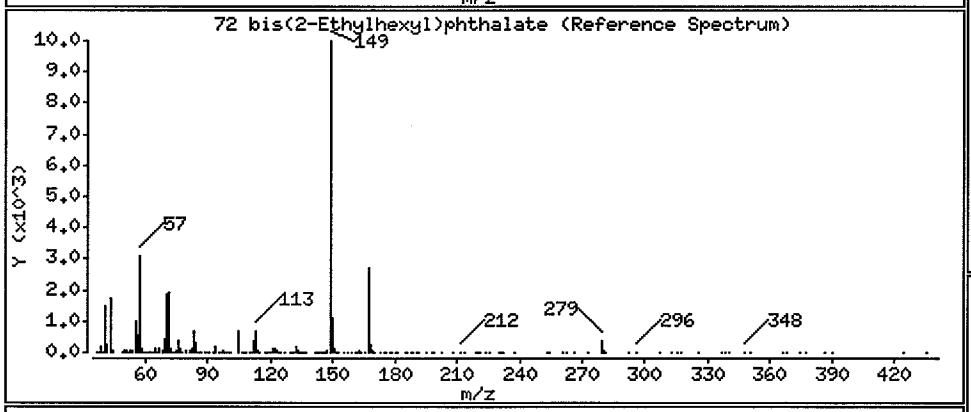
Column diameter: 0.32

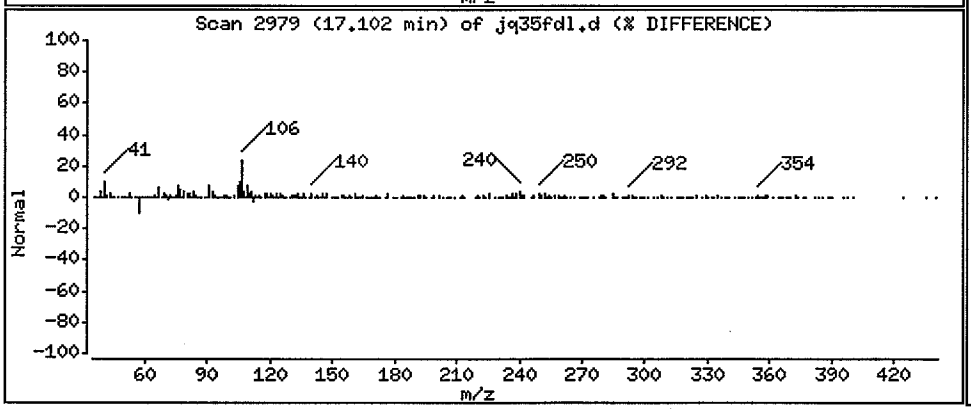
72 bis(2-Ethylhexyl)phthalate

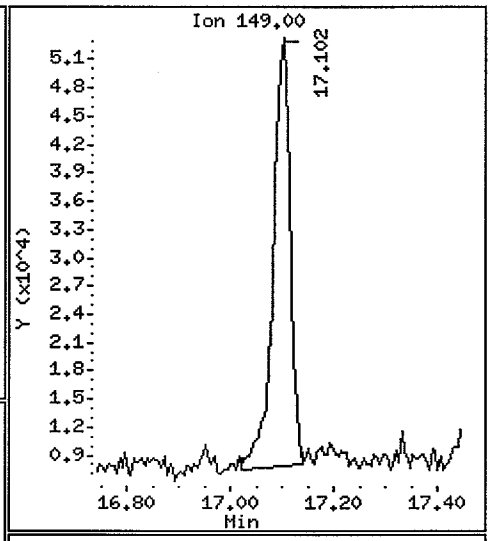
Concentration: 163.2 ug/kg

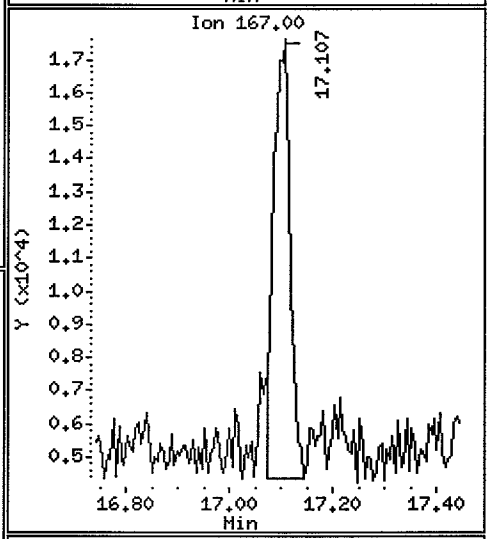


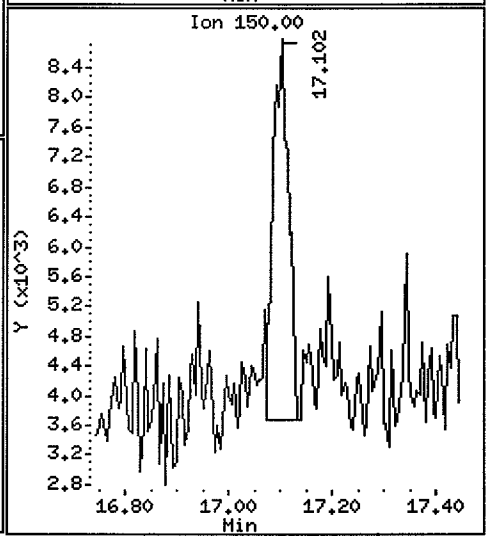






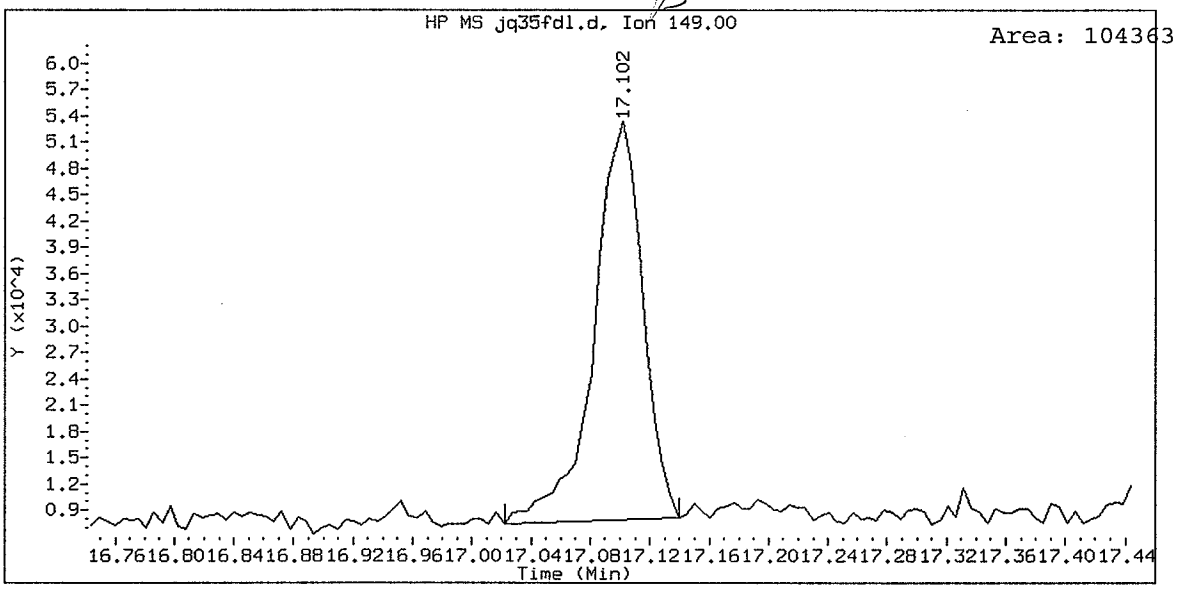


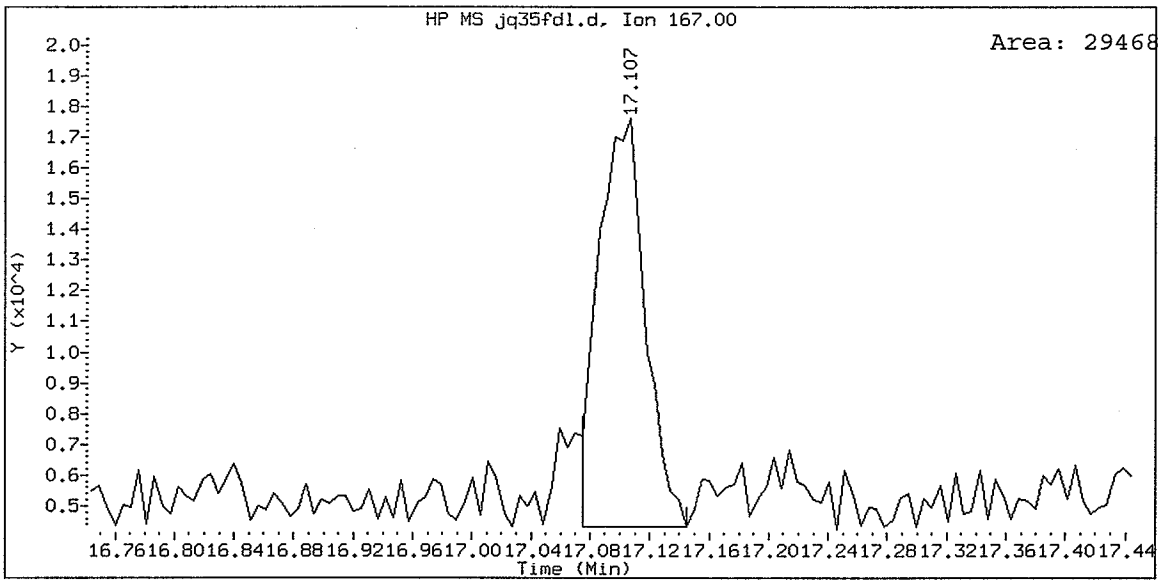


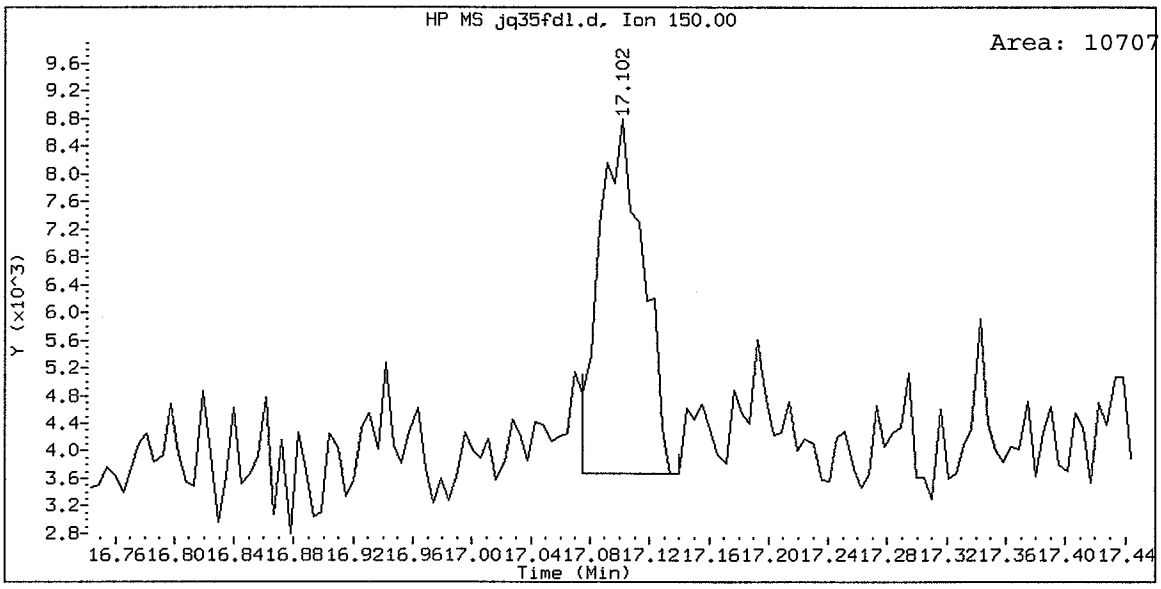


JQ35F, /chem1/nt6.i/20060807.b/jq35fdl.d
bis(2-Ethylhexyl)phthalate Amount: 2.77

B







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-03-D
SAMPLE

Lab Sample ID: JQ35G
LIMS ID: 06-12962
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 17:38
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 32.8%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	bis(2-Ethylhexyl)phthalate	59	< 59 U
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	55.7%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35gdl.d
Lab Smp Id: JQ35G Client Smp ID: T4-S3-03-D
Inj Date : 07-AUG-2006 17:38
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35G,3
Misc Info : 06-12962
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 13
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	75.70000	Weight of sample extracted (g)
M	32.80000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.212	3.192	(0.602)	102874	5.09287	300.3
$ 2 Phenol-d5	99	5.119	5.115	(0.959)	160254	6.54759	386.1(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.948)	117634	5.66826	334.3(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.338	5.340	(1.000)	273744	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.056)	42905	3.20713	189.1
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.853)	115099	4.42686	261.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.395	7.396	(1.000)	960436	20.0000	
	28 Naphthalene	128	7.422	7.423	(1.004)	30539	0.52305 LDL	30.85
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	187120	4.03550	238.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.178	10.180	(1.000)	621005	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.227	10.222	(1.005)	56544	1.41795	83.62(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.017	11.018	(1.082)	30468	0.68457 LDL	40.37(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.450	11.440	(1.125)	43568	7.29603	430.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.465	12.455	(1.000)	1217238	20.0000	
	60 Phenanthrene	178	12.497	12.487	(1.003)	528835	6.52618	384.9
	61 Anthracene	178	12.566	12.557	(1.008)	76571	0.94125 LDL	55.51
	62 Carbazole	167	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
63 Di-n-butylphthalate	149	Compound Not Detected.					
64 Fluoranthene	202	14.383	14.352	(1.154)	1031712	12.9138	761.6
65 Pyrene	202	14.693	14.672	(0.883)	1124376	13.0729	771.0
$ 66 Terphenyl-d14	244	15.104	15.094	(0.908)	251056	4.64298	273.8
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.616	16.601	(0.999)	418841	5.43214	320.4
* 69 Chrysene-d12	240	16.637	16.622	(1.000)	1021064	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.669	16.660	(1.002)	497805	6.49698	383.1
72 bis(2-Ethylhexyl)phthalate	149	17.102	17.092	(0.949)	36457	0.97685 LDL	57.61(M)
* 134 Di-n-octylphthalate-d4	153	18.021	18.011	(1.000)	1478107	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.224	18.203	(0.973)	454817	5.64126	332.7(M)
75 Benzo(k)fluoranthene	252	18.224	18.236	(0.973)	474599	5.69272	335.7(M)
76 Benzo(a)pyrene	252	18.635	18.615	(0.995)	543703	7.00658	413.2
* 77 Perylene-d12	264	18.721	18.695	(1.000)	1228034	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.035	20.009	(1.070)	393783	4.17128	246.0(M)
79 Dibenzo(a,h)anthracene	278	20.072	20.057	(1.072)	100092	1.07937	63.65
80 Benzo(g,h,i)perylene	276	20.307	20.292	(1.085)	406479	4.11197	242.5(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

LRL NOT Reported BMS 8/11/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35gdl.d
Lab Smp Id: JQ35G
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12962

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-03-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	273744	-14.19
27 Naphthalene-d8	1113586	556793	2227172	960436	-13.75
42 Acenaphthene-d10	652908	326454	1305816	621005	-4.89
59 Phenanthrene-d10	1012561	506280	2025122	1217238	20.21
69 Chrysene-d12	948800	474400	1897600	1021064	7.62
134 Di-n-octylphthala	1381183	690592	2762366	1478107	7.02
77 Perylene-d12	760208	380104	1520416	1228034	61.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.02
27 Naphthalene-d8	7.40	6.90	7.90	7.40	-0.02
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.08
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.09
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.05
77 Perylene-d12	18.69	18.19	19.19	18.72	0.14

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35G
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12962

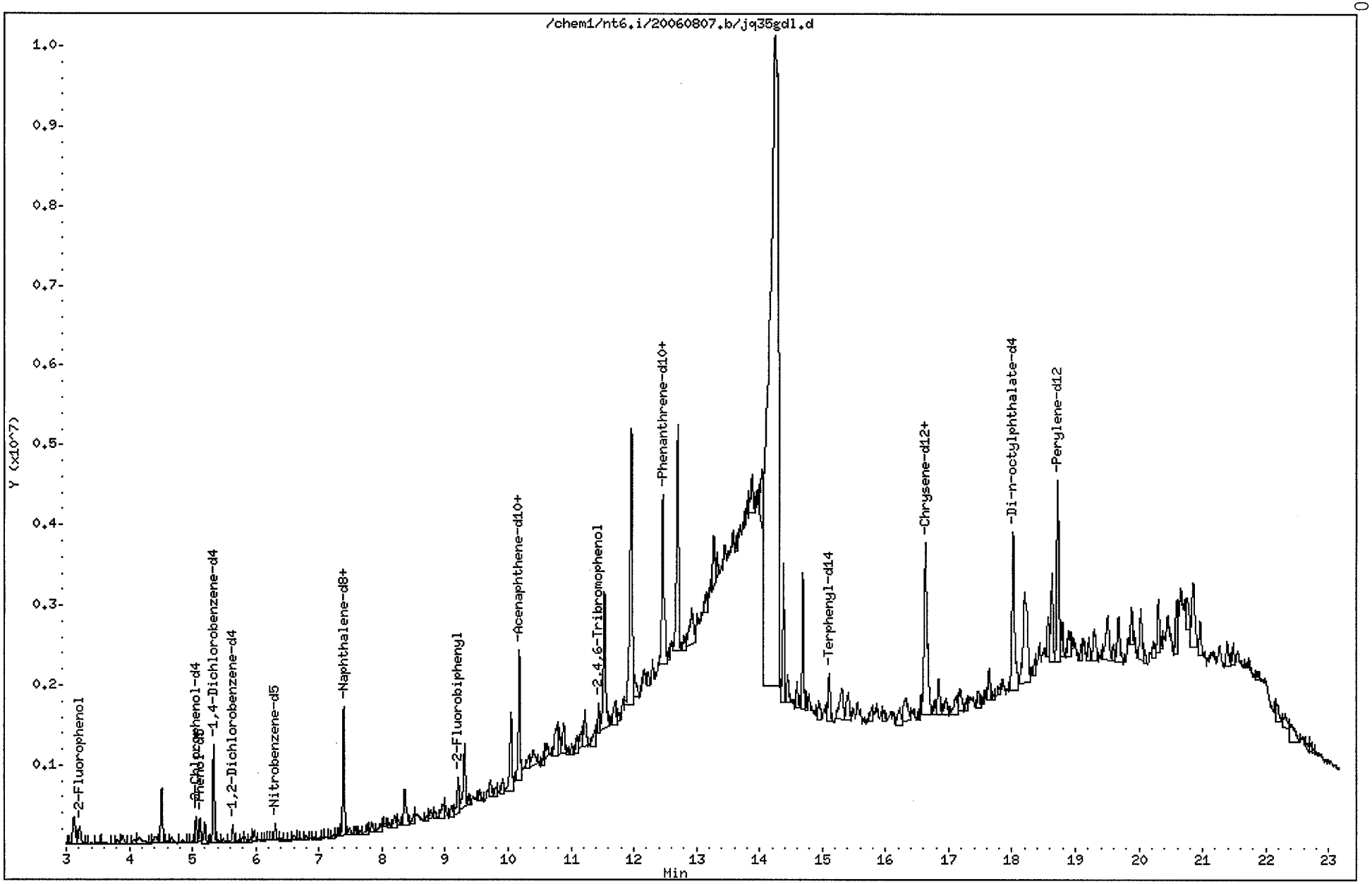
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-03-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	737.2	300.3	40.74	22-91
$ 2 Phenol-d5	737.2	386.1	52.38	26-99
$ 5 2-Chlorophenol-d4	737.2	334.3	45.35	29-96
$ 10 1,2-Dichlorobenzen	491.4	189.1	38.49	24-87
$ 18 Nitrobenzene-d5	491.4	261.1	53.12	27-101
$ 36 2-Fluorobiphenyl	491.4	238.0	48.43	30-100
$ 55 2,4,6-Tribromophen	737.2	430.3	58.37	20-114
$ 66 Terphenyl-d14	491.4	273.8	55.72	12-120

Data File: /chem1/nt6.i/20060807.b/jq35gd1.d
Date : 07-AUG-2006 17:38
Client ID: T4-S3-03-D
Sample Info: JQ35G,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32

0786



Data File: /chem1/nt6.i/20060807.b/jq35gdl.d

Date : 07-AUG-2006 17:38

Client ID: T4-S3-03-D

Instrument: nt6.i

Sample Info: JQ35G,3

Volume Injected (uL): 1.0

Operator: LJR

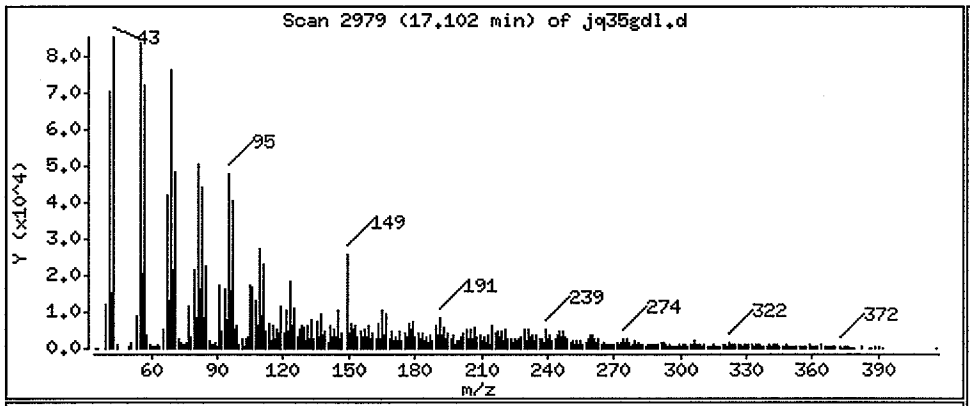
Column phase: ZB-5

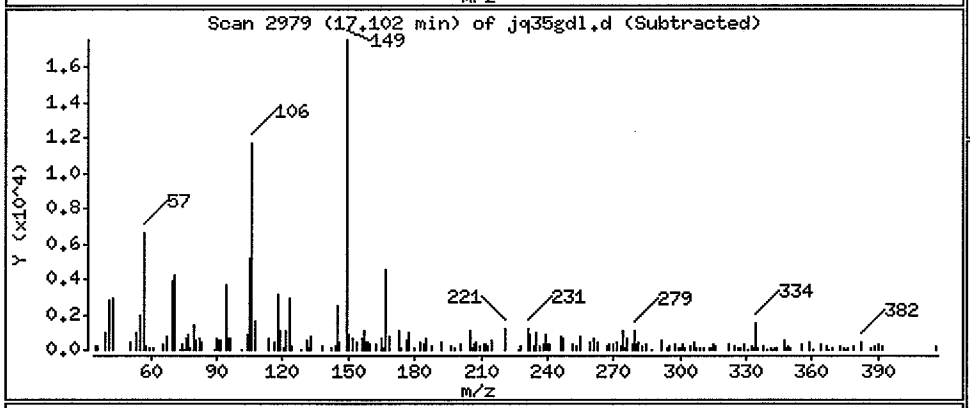
Column diameter: 0.32

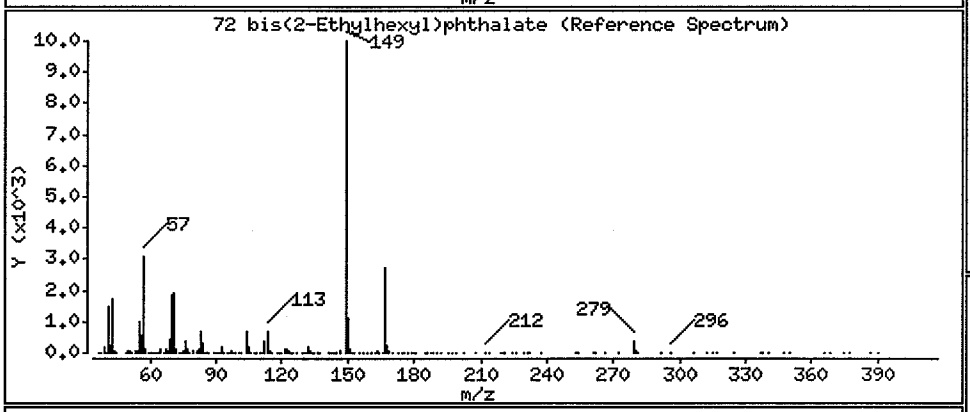
72 bis(2-Ethylhexyl)phthalate

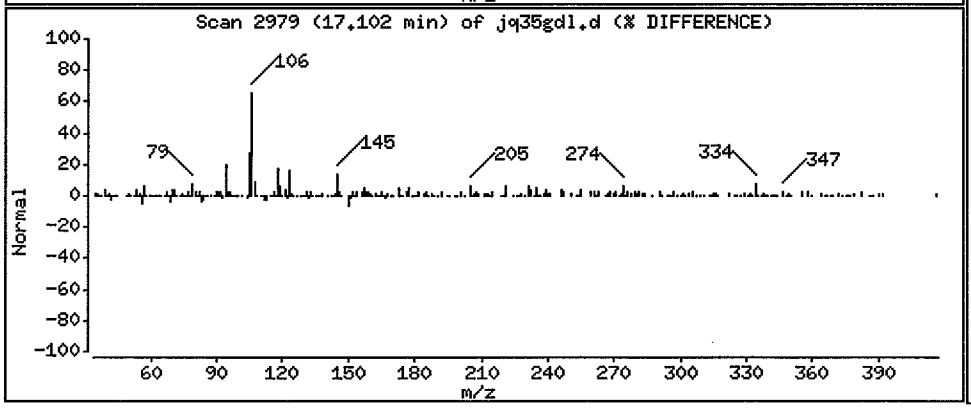
Concentration: 57.61 ug/kg

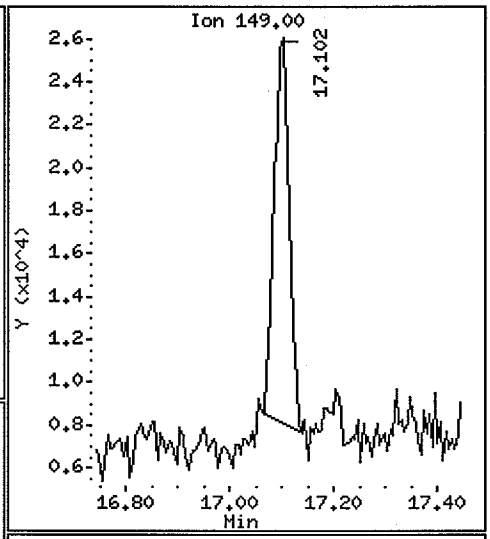
LRL not Reported 8/11/06

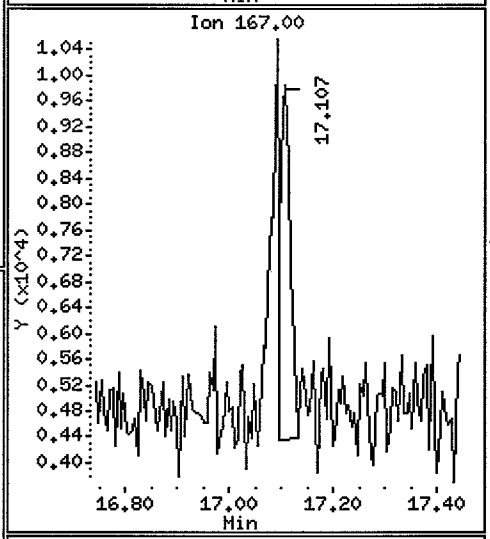


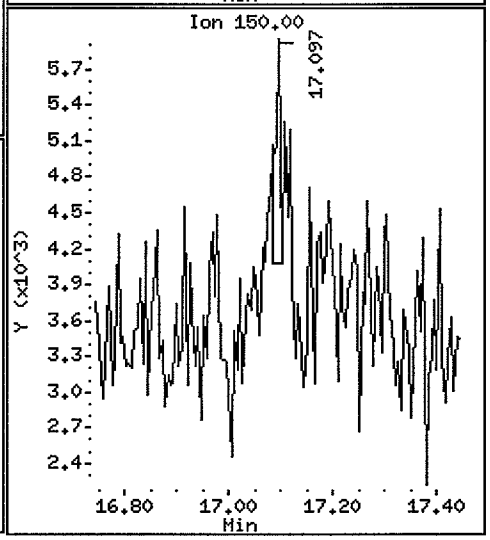




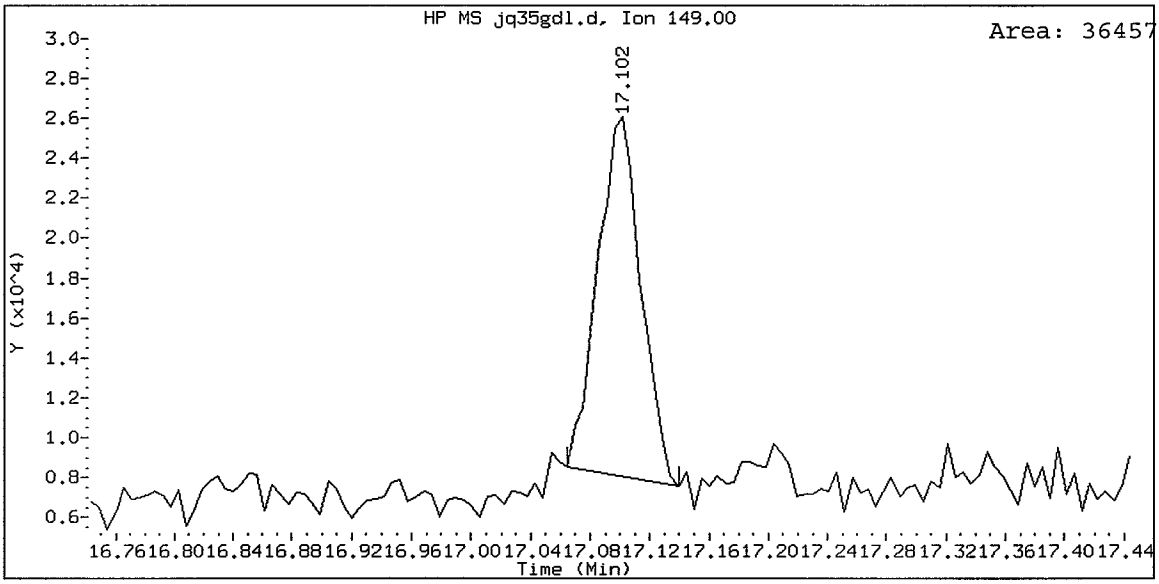


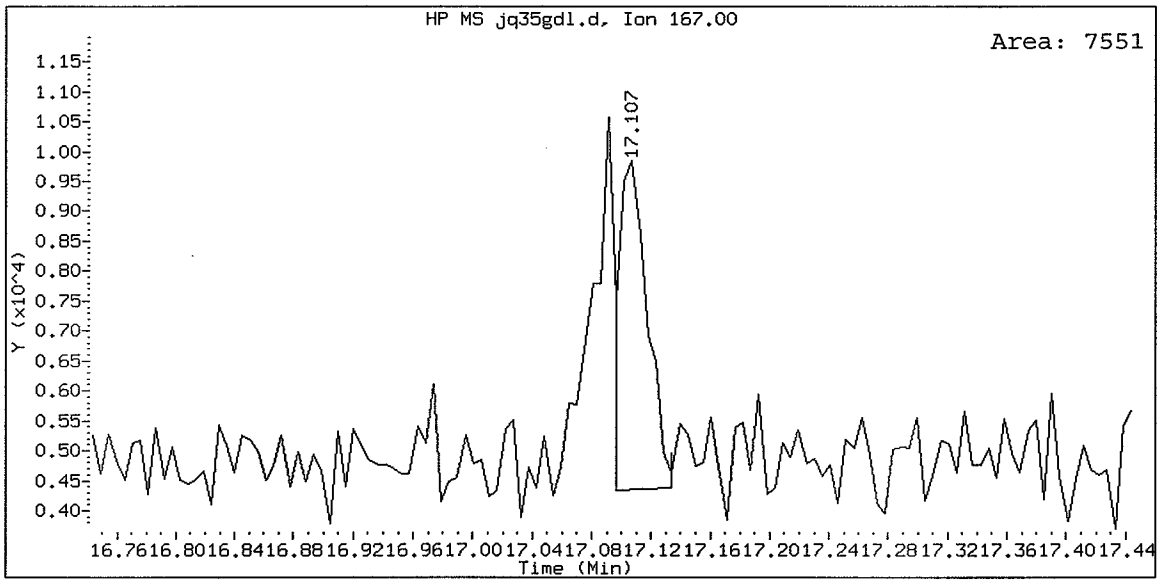


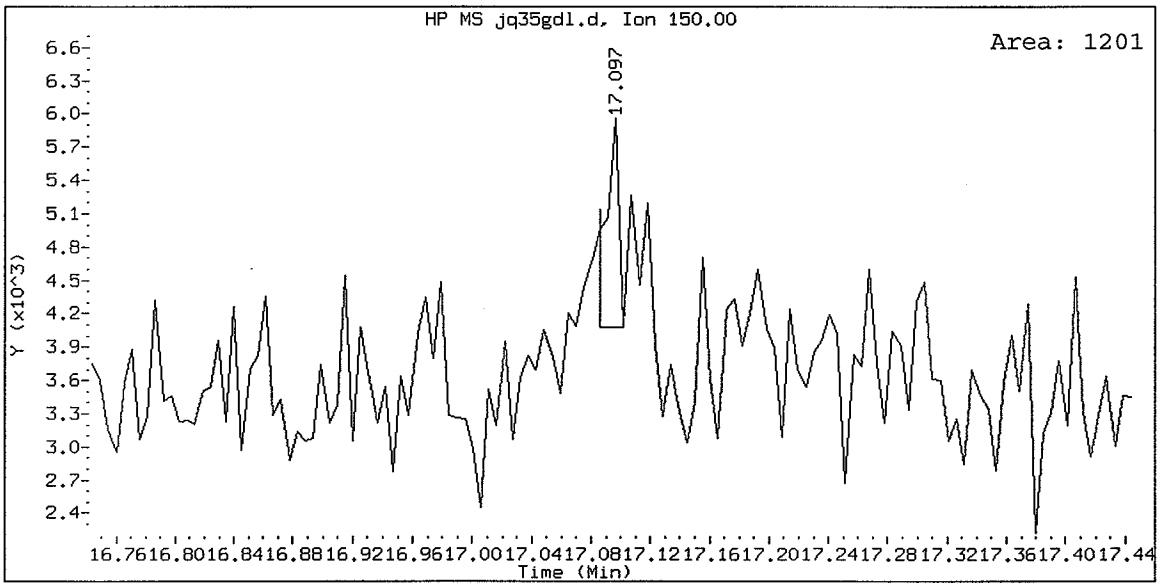




JQ35G, /chem1/nt6.i/20060807.b/jq35gdl.d
bis(2-Ethylhexyl)phthalate Amount: 0.98







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-E
SAMPLE

Lab Sample ID: JQ35H
LIMS ID: 06-12963
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 18:08
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 47.7%
pH: 6.4

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	60	< 60 U
84-66-2	Diethylphthalate	60	< 60 U
84-74-2	Di-n-Butylphthalate	60	< 60 U
85-68-7	Butylbenzylphthalate	60	< 60 U
117-81-7	bis(2-Ethylhexyl)phthalate	60	< 60 U
117-84-0	Di-n-Octyl phthalate	60	< 60 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.9%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35hdl.d
Lab Smp Id: JQ35H Client Smp ID: T4-S3-05-E
Inj Date : 07-AUG-2006 18:08
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35H,3
Misc Info : 06-12963
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 14
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	96.00000	Weight of sample extracted (g)
M	47.70000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.219	3.192	(0.603)	94983	5.19765	310.6
$ 2 Phenol-d5	99	5.131	5.115	(0.961)	138559	6.25765	373.9
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.062	5.056	(0.948)	108062	5.75566	343.9(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.340	5.340	(1.000)	247651	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.639	5.639	(1.056)	40686	3.36170	200.9
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	5.997	5.997	(1.123)	14652	0.58276 LDL	34.82(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.312	6.317	(0.854)	101923	4.23866	253.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.391	7.396	(1.000)	888253	20.0000	
	28 Naphthalene	128	7.423	7.423	(1.004)	61827	1.14497	68.41
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.540	8.540	(1.155)	16940	0.58003 LDL	34.66
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.213	9.213	(0.905)	151214	3.75134	224.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.174	10.180	(1.000)	539856	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.005)	189394	5.46333	326.4
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.479	10.484	(1.030)	52723	1.10539	66.05
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.018	11.018	(1.083)	106002	2.73970	163.7
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	31721	6.11059	365.1
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	906604	20.0000	
	60 Phenanthrene	178	12.493	12.487	(1.003)	1569765	26.0095	1554
	61 Anthracene	178	12.557	12.557	(1.008)	287583	4.74639	283.6
	62 Carbazole	167	12.893	12.893	(1.035)	189134	3.87771	231.7
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.368	14.352	(1.154)	3990658	67.0653	4007
65 Pyrene	202	14.688	14.672	(0.883)	3840522	44.3019	2647(M)
$ 66 Terphenyl-d14	244	15.100	15.094	(0.908)	176356	3.23586	193.3
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.617	16.601	(0.999)	2778203	35.7486	2136
* 69 Chrysene-d12	240	16.638	16.622	(1.000)	1029153	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.681	16.660	(1.003)	2911282	37.6973	2252
72 bis(2-Ethylhexyl)phthalate	149	17.098	17.092	(0.949)	26549	0.79869 LDL 8	47.72(M)
* 134 Di-n-octylphthalate-d4	153	18.022	18.011	(1.000)	1316502	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.241	18.203	(0.974)	3442109	45.4039	2713(M)
75 Benzo(k)fluoranthene	252	18.241	18.236	(0.974)	3880275	49.4976	2958(M)
76 Benzo(a)pyrene	252	18.658	18.615	(0.996)	4150064	56.8759	3398
* 77 Perylene-d12	264	18.727	18.695	(1.000)	1154733	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.057	20.009	(1.071)	2925235	32.9535	1969
79 Dibenzo(a,h)anthracene	278	20.089	20.057	(1.073)	1023589	11.7388	701.4
80 Benzo(g,h,i)perylene	276	20.340	20.292	(1.086)	2571986	27.6700	1653(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35hdl.d
Lab Smp Id: JQ35H
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12963

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-05-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	247651	-22.37
27 Naphthalene-d8	1113586	556793	2227172	888253	-20.23
42 Acenaphthene-d10	652908	326454	1305816	539856	-17.32
59 Phenanthrene-d10	1012561	506280	2025122	906604	-10.46
69 Chrysene-d12	948800	474400	1897600	1029153	8.47
134 Di-n-octylphthala	1381183	690592	2762366	1316502	-4.68
77 Perylene-d12	760208	380104	1520416	1154733	51.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	0.00
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.07
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.05
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.00
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.10
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.06
77 Perylene-d12	18.69	18.19	19.19	18.73	0.17

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.

Analytical Resources, Inc.

RECOVERY REPORT

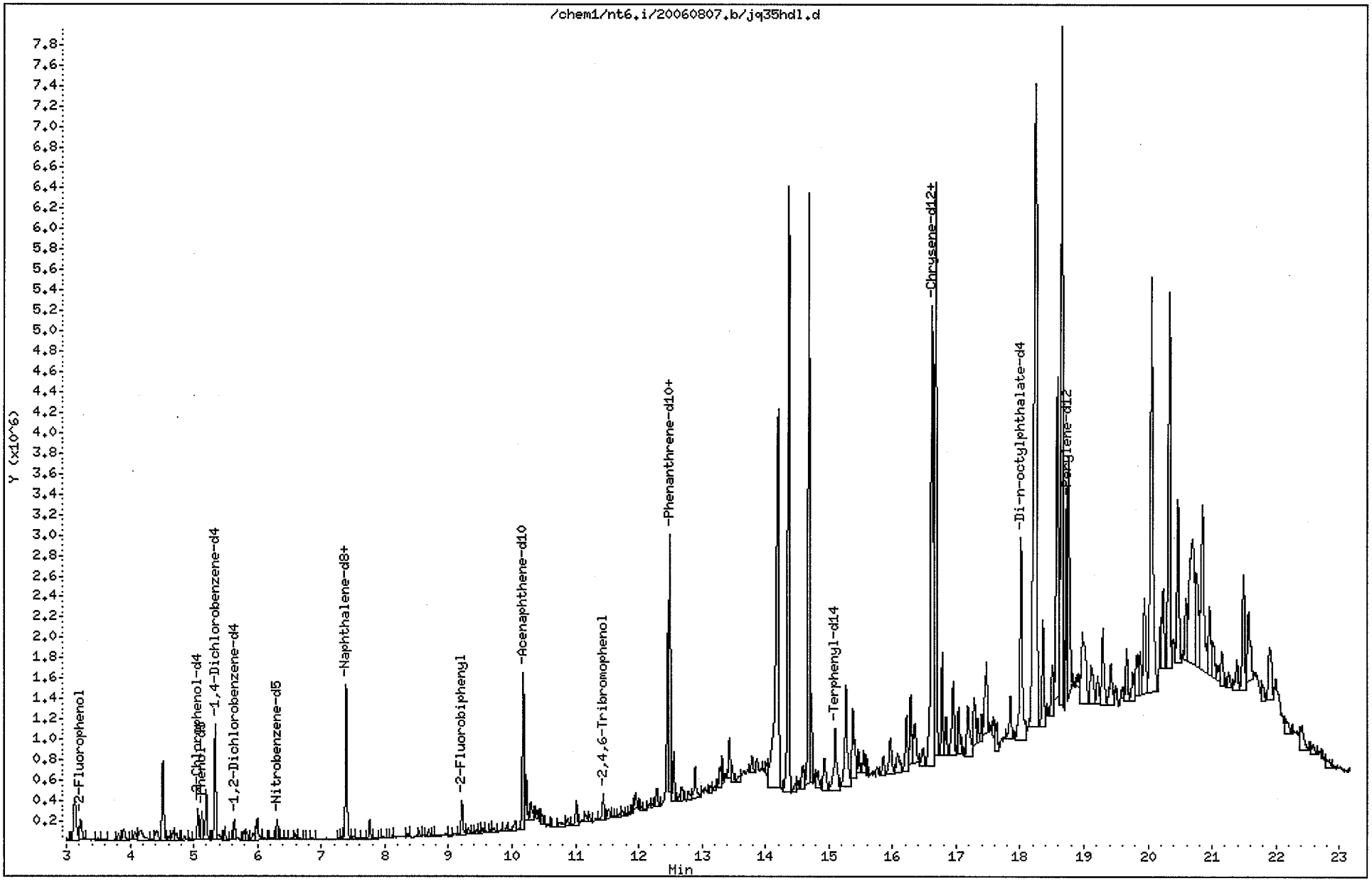
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35H
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12963

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-E
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	746.9	310.6	41.58	22-91
$ 2 Phenol-d5	746.9	373.9	50.06	26-99
$ 5 2-Chlorophenol-d4	746.9	343.9	46.05	29-96
$ 10 1,2-Dichlorobenzen	497.9	200.9	40.34	24-87
$ 18 Nitrobenzene-d5	497.9	253.3	50.86	27-101
$ 36 2-Fluorobiphenyl	497.9	224.1	45.02	30-100
$ 55 2,4,6-Tribromophen	746.9	365.1	48.88	20-114
$ 66 Terphenyl-d14	497.9	193.3	38.83	12-120

Data File: /chem1/nt6.i/20060807.b/jq35hdl.d
Date : 07-AUG-2006 18:08
Client ID: T4-S3-05-E
Sample Info: JQ35H,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0795

Data File: /chem1/nt6.i/20060807.b/jq35hdl.d

Date : 07-AUG-2006 18:08

Client ID: T4-S3-05-E

Instrument: nt6.i

Sample Info: JQ35H,3

Volume Injected (uL): 1.0

Operator: LJR

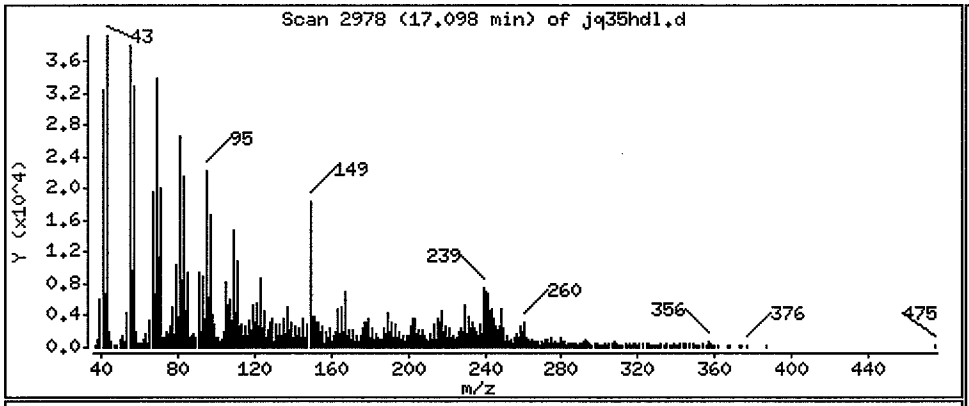
Column phase: ZB-5

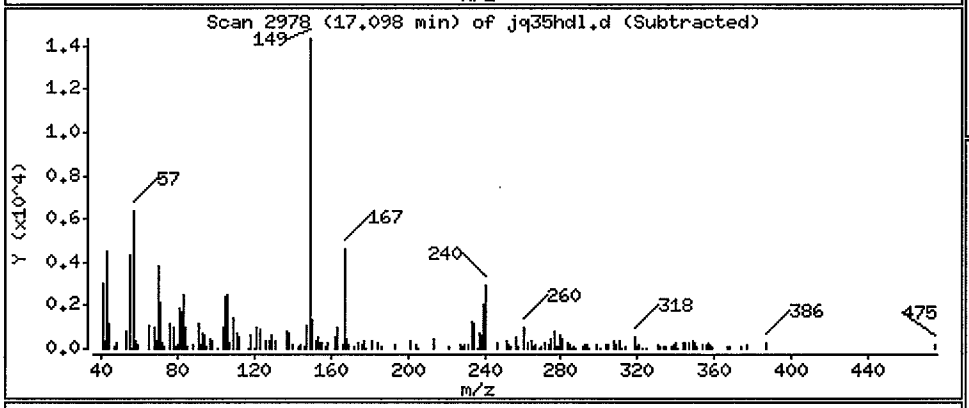
Column diameter: 0.32

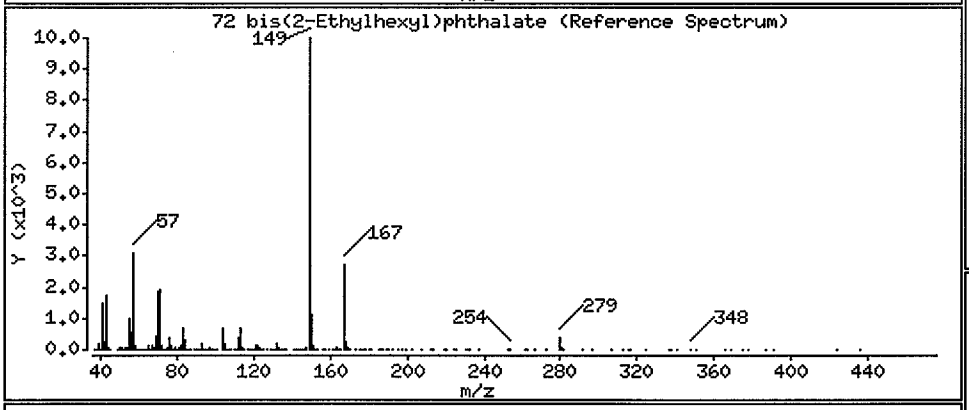
(B) LJR NOT Reported BB 8/11/06

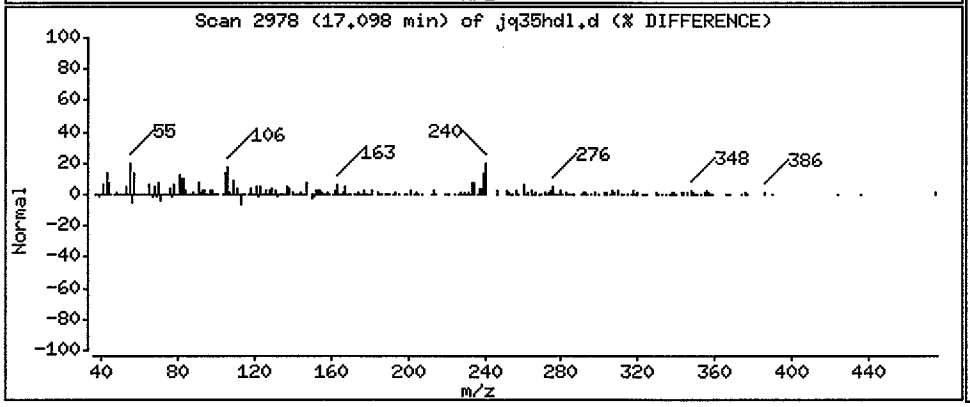
72 bis(2-Ethylhexyl)phthalate

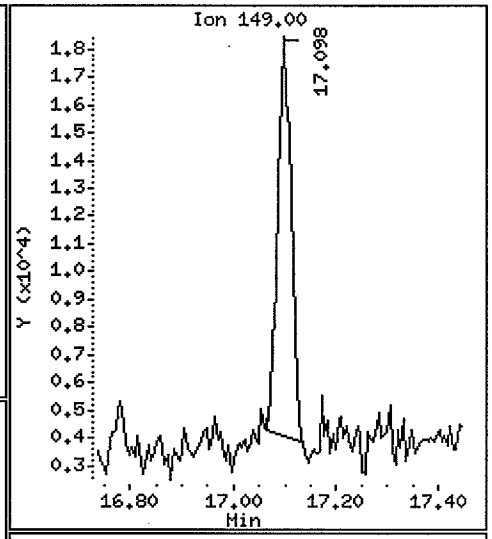
Concentration: 47.72 ug/kg

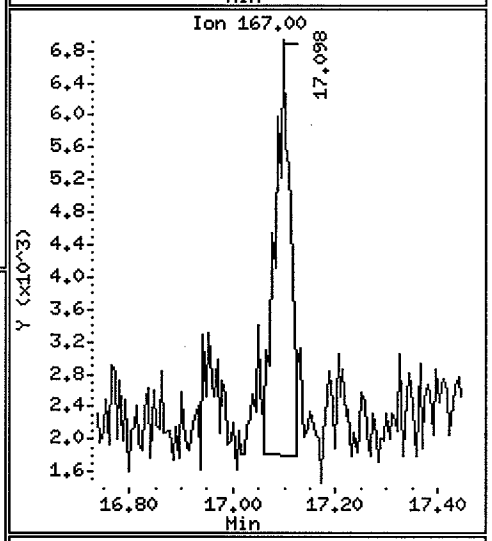


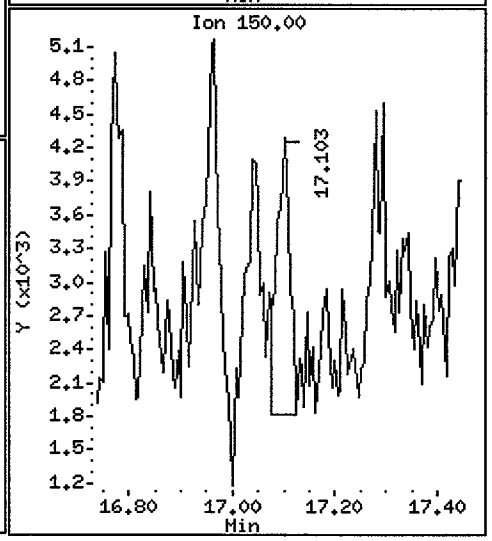




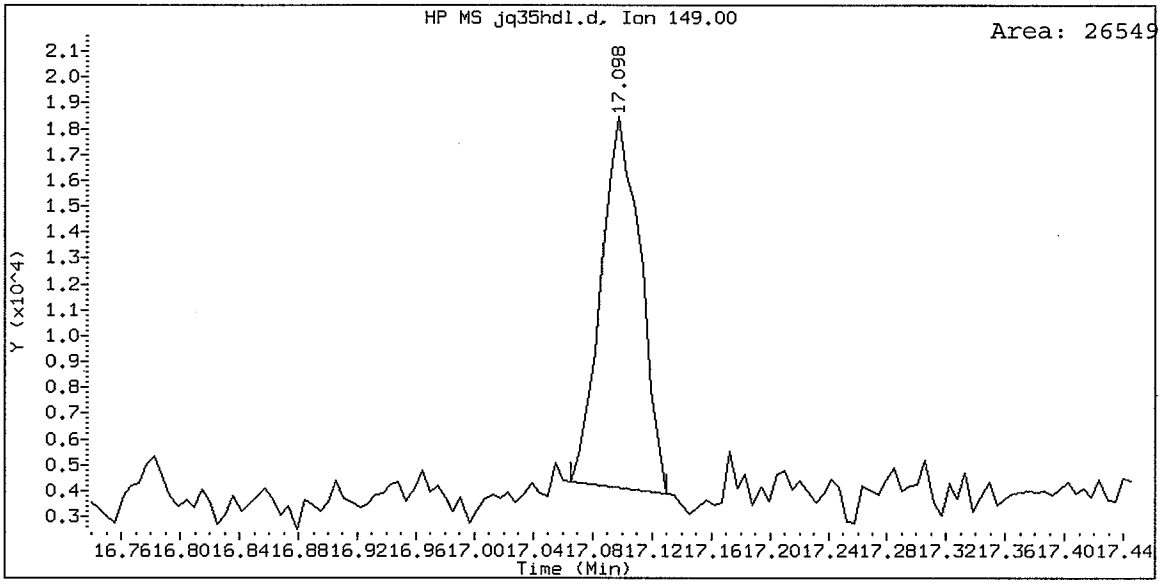


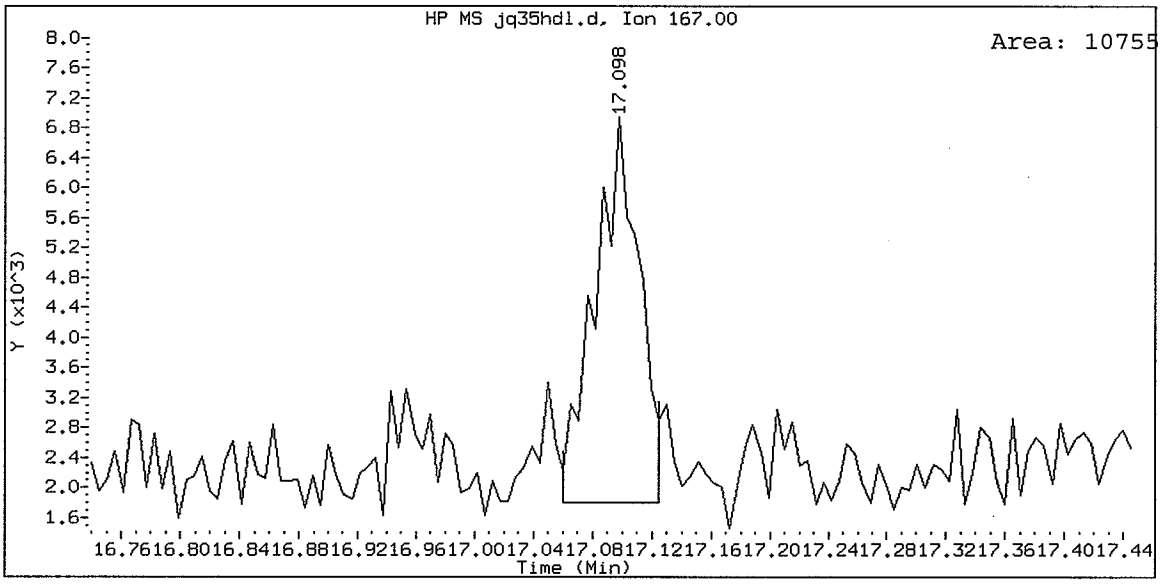


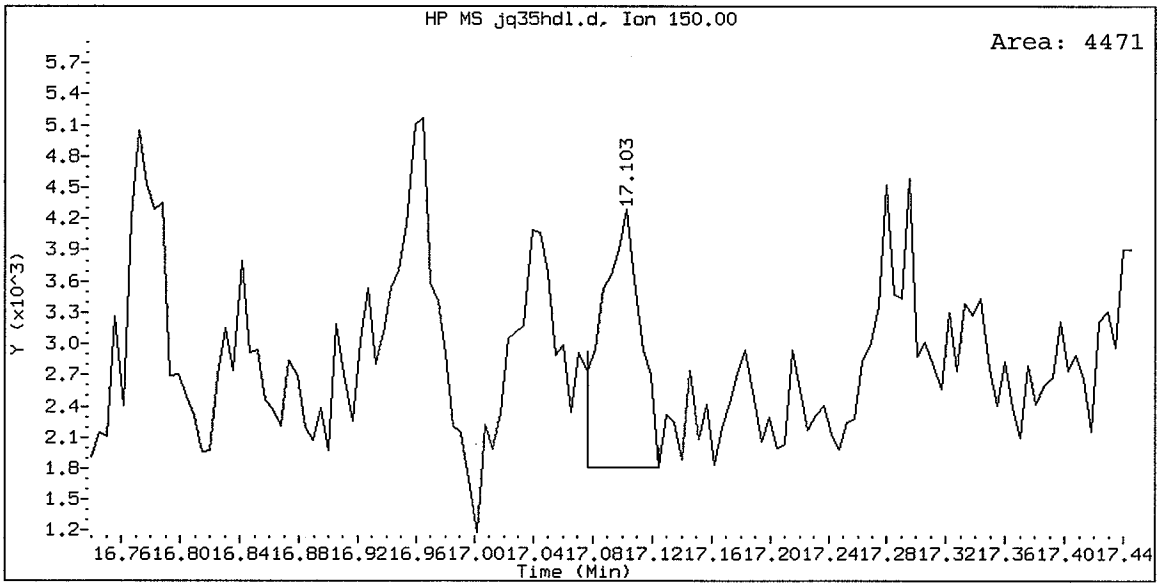




JQ35H, /chem1/nt6.i/20060807.b/jq35hdl.d
bis(2-Ethylhexyl)phthalate Amount: 0.80







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-F
SAMPLE

Lab Sample ID: JQ35I
LIMS ID: 06-12964
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 18:39
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 28.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 43.7%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**120 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	31.7%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35idl.d
Lab Smp Id: JQ35I Client Smp ID: T4-S3-05-F
Inj Date : 07-AUG-2006 18:39
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35I,3
Misc Info : 06-12964
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 15
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	49.70000	Weight of sample extracted (g)
M	43.70000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.218	3.192	(0.603)	102495	5.07407	544.0
$ 2 Phenol-d5	99	5.130	5.115	(0.961)	149907	6.12479	656.7(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.948)	113036	5.44667	584.0(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.339	5.340	(1.000)	273746	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.056)	42495	3.17646	340.6
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.001	5.997	(1.124)	19388	0.69762 LOL	74.80(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.853)	113365	4.35698	467.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	961139	20.0000	
	28 Naphthalene	128	7.422	7.423	(1.004)	92335	1.58028	169.4
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.539	8.540	(1.155)	27013	0.85479 LDL	91.65
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	161485	3.66676	393.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.179	10.180	(1.000)	589822	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.004)	316357	8.35267	895.5(M)
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.483	10.484	(1.030)	80161	1.53827	164.9
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.017	11.018	(1.082)	159354	3.76972	404.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.445	11.440	(1.124)	32683	5.76255	617.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.460	12.455	(1.000)	984088	20.0000	
	60 Phenanthrene	178	12.492	12.487	(1.003)	2397619	36.5983	3924
	61 Anthracene	178	12.556	12.557	(1.008)	400110	6.08364	652.3
	62 Carbazole	167	12.893	12.893	(1.035)	304797	5.75704	617.2
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.378	14.352	(1.154)	6181741	95.7080E	10260
65 Pyrene	202	14.698	14.672	(0.883)	5972049	51.6311	5536(M)
$ 66 Terphenyl-d14	244	15.104	15.094	(0.907)	191634	2.63529	282.5
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.632	16.601	(0.999)	5241025	50.5437	5419
* 69 Chrysene-d12	240	16.648	16.622	(1.000)	1373168	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.696	16.660	(1.003)	5775325	56.0477	6009
72 bis(2-Ethylhexyl)phthalate	149	17.108	17.092	(0.949)	44926	1.1435B	122.6(M)
* 134 Di-n-octylphthalate-d4	153	18.032	18.011	(1.000)	1555936	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.272	18.203	(0.975)	9118204	94.4012E	10120(M)
75 Benzo(k)fluoranthene	252	18.272	18.236	(0.975)	4894221	49.0010	5254(M)
76 Benzo(a)pyrene	252	18.683	18.615	(0.997)	7954007	85.5578E	9173
* 77 Perylene-d12	264	18.748	18.695	(1.000)	1471233	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.078	20.009	(1.071)	5669227	50.1263	5374
79 Dibenzo(a,h)anthracene	278	20.110	20.057	(1.073)	2207609	19.8711	2130
80 Benzo(g,h,i)perylene	276	20.366	20.292	(1.086)	4776841	40.3350	4325
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35idl.d
Lab Smp Id: JQ35I
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12964

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-05-F
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	273746	-14.19
27 Naphthalene-d8	1113586	556793	2227172	961139	-13.69
42 Acenaphthene-d10	652908	326454	1305816	589822	-9.66
59 Phenanthrene-d10	1012561	506280	2025122	984088	-2.81
69 Chrysene-d12	948800	474400	1897600	1373168	44.73
134 Di-n-octylphthala	1381183	690592	2762366	1555936	12.65
77 Perylene-d12	760208	380104	1520416	1471233	93.53

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.02
27 Naphthalene-d8	7.40	6.90	7.90	7.40	-0.01
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.04
69 Chrysene-d12	16.62	16.12	17.12	16.65	0.16
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.11
77 Perylene-d12	18.69	18.19	19.19	18.75	0.28

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35I
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12964

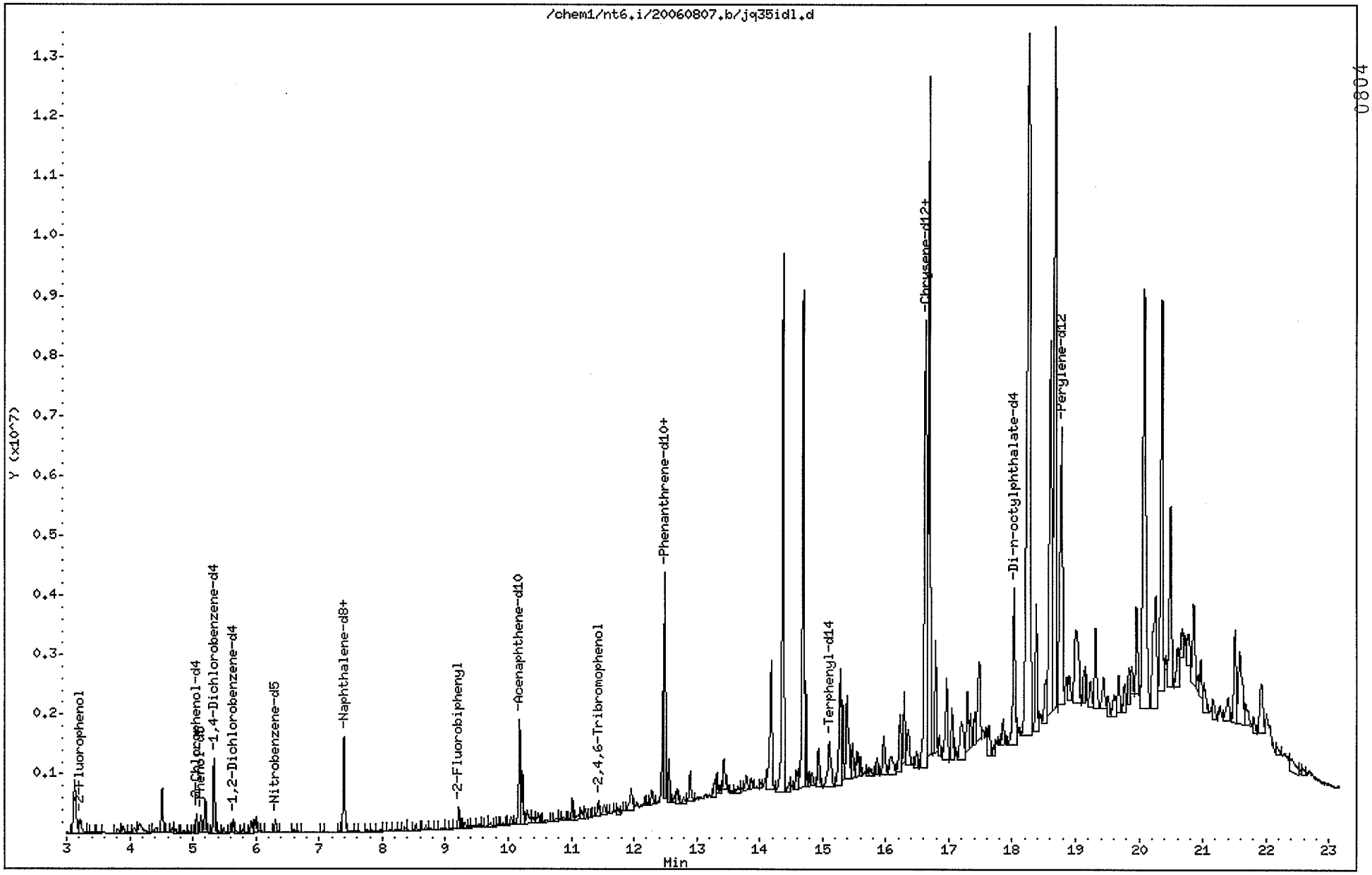
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-F
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1340	544.0	40.59	22-91
$ 2 Phenol-d5	1340	656.7	49.00	26-99
$ 5 2-Chlorophenol-d4	1340	584.0	43.57	29-96
$ 10 1,2-Dichlorobenzen	893.5	340.6	38.12	24-87
$ 18 Nitrobenzene-d5	893.5	467.1	52.28	27-101
$ 36 2-Fluorobiphenyl	893.5	393.1	44.00	30-100
$ 55 2,4,6-Tribromophen	1340	617.8	46.10	20-114
$ 66 Terphenyl-d14	893.5	282.5	31.62	12-120

Data File: /chem1/nt6.i/20060807.b/jq35idl.d
Date : 07-AUG-2006 18:39
Client ID: T4-S3-05-F
Sample Info: JQ35I,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0804

Data File: /chem1/nt6.i/20060807.b/jq35idl.d

Date : 07-AUG-2006 18:39

Client ID: T4-S3-05-F

Instrument: nt6.i

Sample Info: JQ35I,3

Volume Injected (uL): 1.0

Operator: LJR

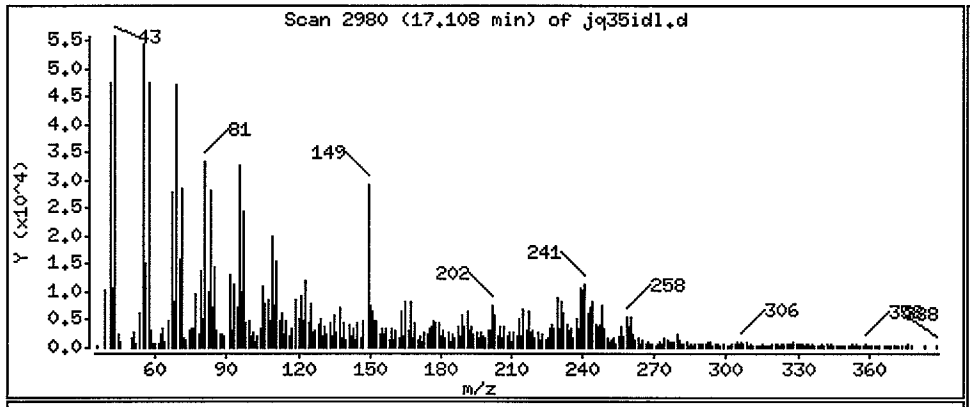
Column phase: ZB-5

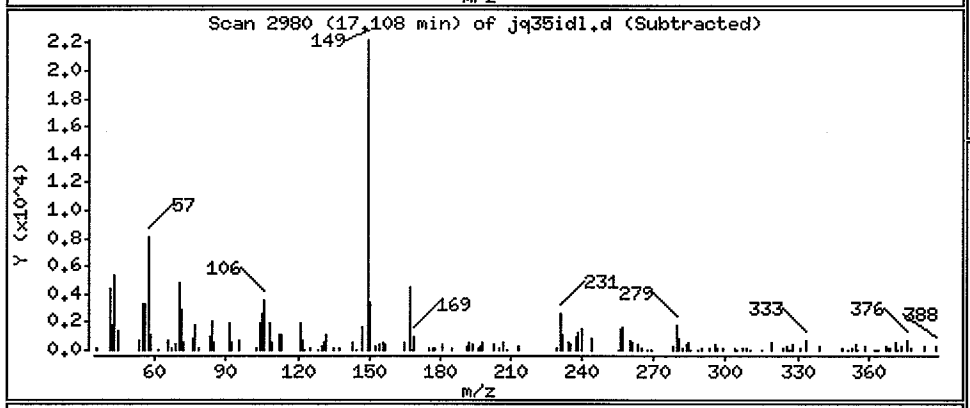
Column diameter: 0.32

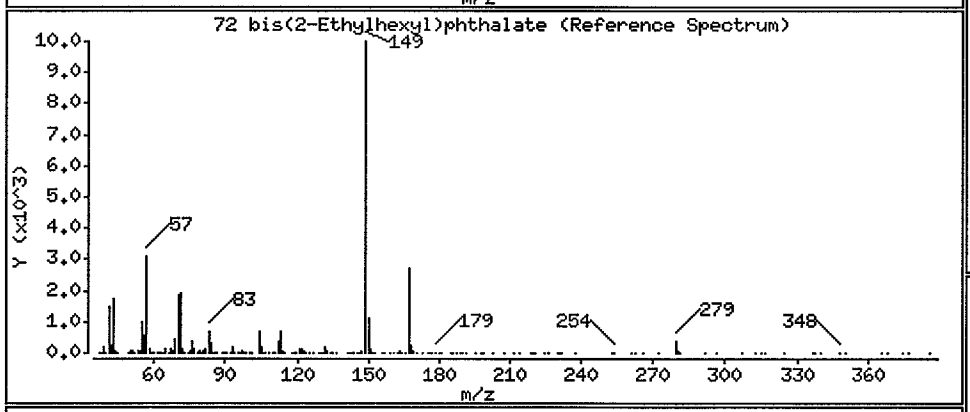
72 bis(2-Ethylhexyl)phthalate

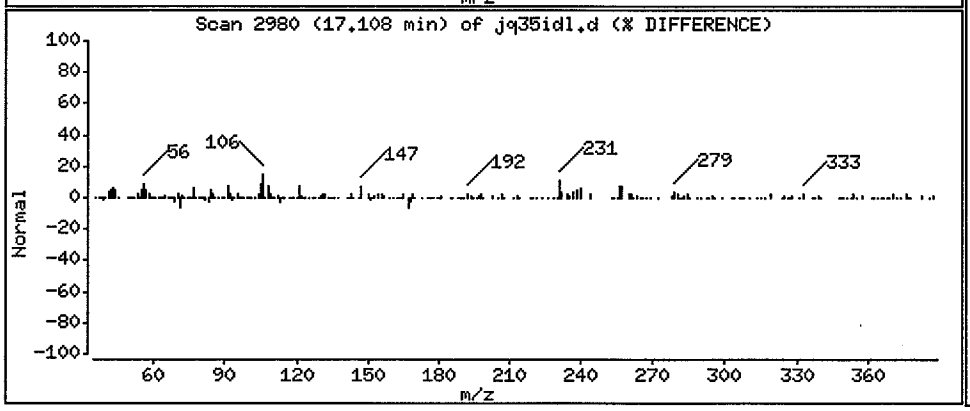
Concentration: 122.6 ug/kg

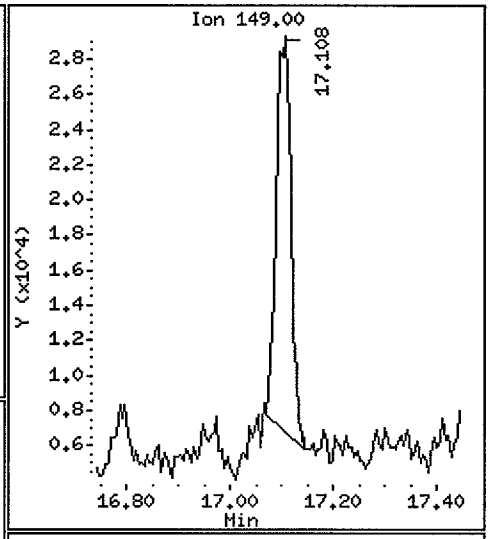
B

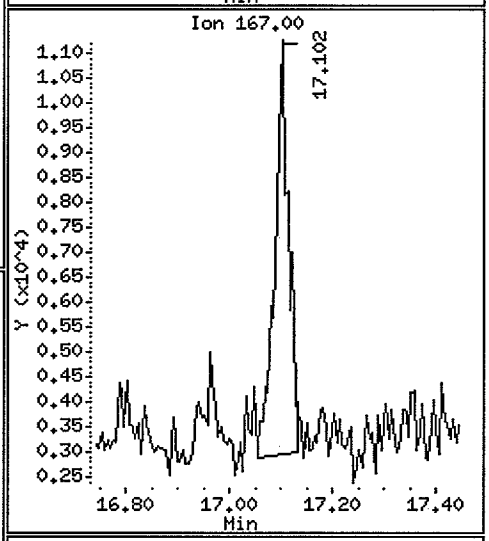


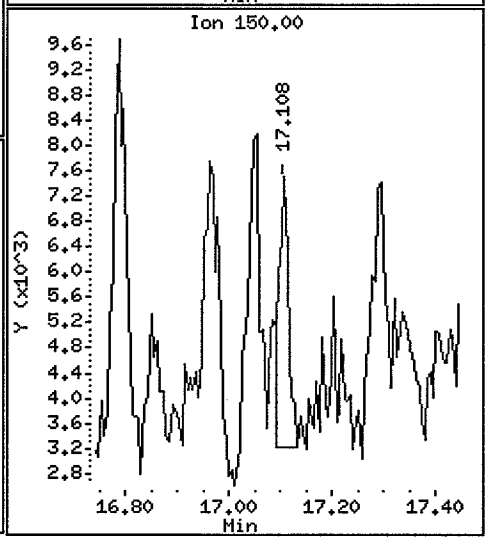






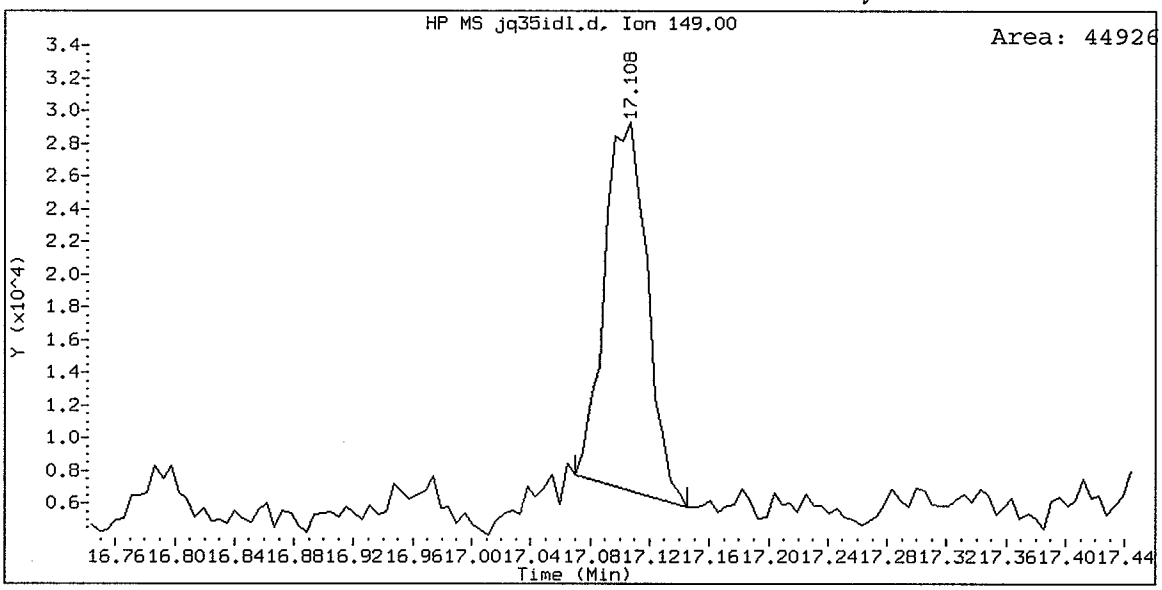


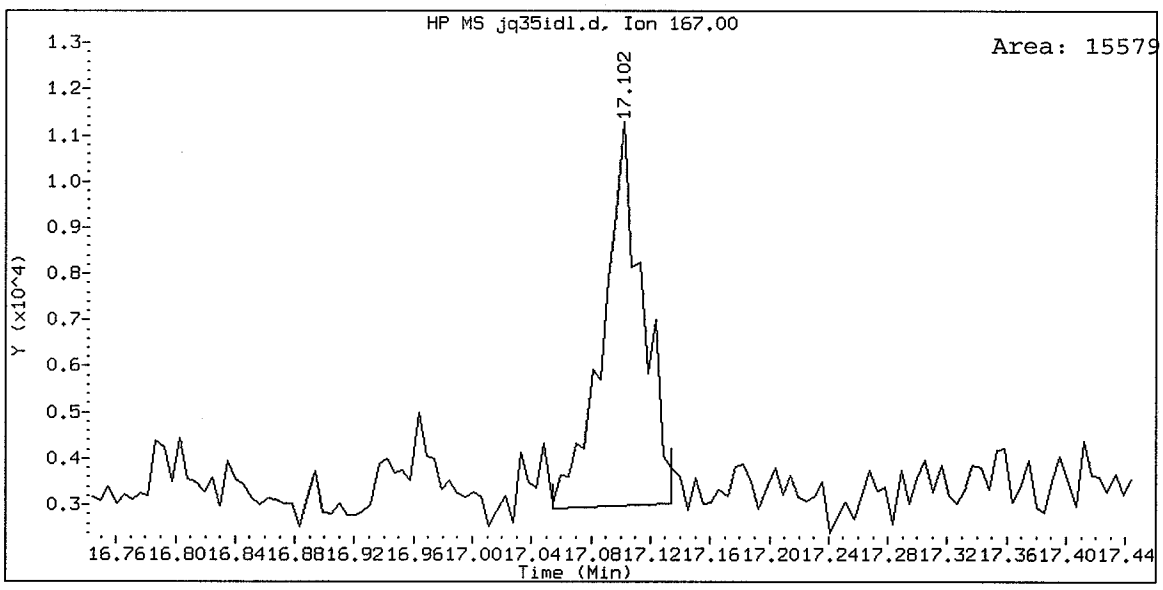


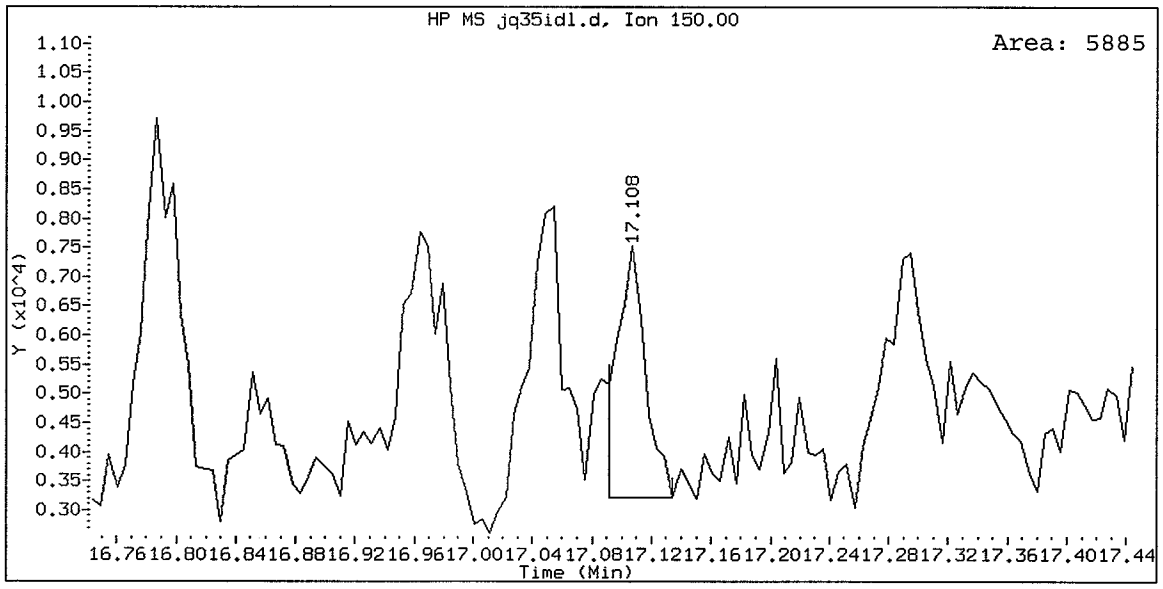


JQ35I, /chem1/nt6.i/20060807.b/jq35idl.d
bis(2-Ethylhexyl)phthalate Amount: 1.14

B







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-G
SAMPLE

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 19:09
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	120	< 120 U
84-66-2	Diethylphthalate	120	< 120 U
84-74-2	Di-n-Butylphthalate	120	< 120 U
85-68-7	Butylbenzylphthalate	120	< 120 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**120**	**160 B**
117-84-0	Di-n-Octyl phthalate	120	< 120 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	38.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35jdl.d
Lab Smp Id: JQ35J Client Smp ID: T4-S3-05-G
Inj Date : 07-AUG-2006 19:09
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35J,3
Misc Info : 06-12965
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 16
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	42.70000	Weight of sample extracted (g)
M	42.90000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.224	3.192	(0.604)	137871	6.58799	810.6
$ 2 Phenol-d5	99	5.131	5.115	(0.961)	191026	7.53335	926.9
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.067	5.056	(0.949)	151729	7.05682	868.3(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.340	5.340	(1.000)	283610	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.639	5.639	(1.056)	59270	4.27629	526.2(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.013	5.997	(1.126)	30061	1.04404 Y	128.5(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.312	6.317	(0.853)	146071	5.38484	662.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	1002038	20.0000	
	28 Naphthalene	128	7.423	7.423	(1.004)	112860	1.85272	228.0
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.534	8.540	(1.154)	34679	1.05258	129.5
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.213	9.213	(0.905)	215845	4.67223	574.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.180	10.180	(1.000)	618713	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.004)	404523	10.1818	1253
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.484	10.484	(1.030)	102865	1.88179	231.5
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.018	11.018	(1.082)	188928	4.26063	524.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	42403	7.12724	877.0
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.461	12.455	(1.000)	1017365	20.0000	
	60 Phenanthrene	178	12.498	12.487	(1.003)	2970137	43.8545	5396
	61 Anthracene	178	12.557	12.557	(1.008)	519035	7.63375	939.3
	62 Carbazole	167	12.899	12.893	(1.035)	339703	6.20648	763.7(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.379	14.352	(1.154)	7203804	107.884 E	13270
65 Pyrene	202	14.704	14.672	(0.883)	7104935	55.4890	6828
$ 66 Terphenyl-d14	244	15.110	15.094	(0.907)	259534	3.22410	396.7
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.638	16.601	(0.999)	6104037	53.1774	6543
* 69 Chrysene-d12	240	16.654	16.622	(1.000)	1520075	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.697	16.660	(1.003)	6736774	59.0599	7267
72 bis(2-Ethylhexyl)phthalate	149	17.103	17.092	(0.948)	54248	1.27228 B	156.5(M)
* 134 Di-n-octylphthalate-d4	153	18.033	18.011	(1.000)	1688708	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.273	18.203	(0.974)	9167162	90.0777 E	11080(M)
75 Benzo(k)fluoranthene	252	18.273	18.236	(0.974)	6477757	61.5546	7574(M)
76 Benzo(a)pyrene	252	18.690	18.615	(0.997)	8944713	91.3175 E	11240
* 77 Perylene-d12	264	18.754	18.695	(1.000)	1550127	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.089	20.009	(1.071)	6223511	52.2265	6426
79 Dibenzo(a,h)anthracene	278	20.111	20.057	(1.072)	2489166	21.2651	2617
80 Benzo(g,h,i)perylene	276	20.367	20.292	(1.086)	5082389	40.7308	5012
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35jdl.d
Lab Smp Id: JQ35J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12965

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-05-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	283610	-11.09
27 Naphthalene-d8	1113586	556793	2227172	1002038	-10.02
42 Acenaphthene-d10	652908	326454	1305816	618713	-5.24
59 Phenanthrene-d10	1012561	506280	2025122	1017365	0.47
69 Chrysene-d12	948800	474400	1897600	1520075	60.21
134 Di-n-octylphthala	1381183	690592	2762366	1688708	22.27
77 Perylene-d12	760208	380104	1520416	1550127	103.91 <-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	0.00
27 Naphthalene-d8	7.40	6.90	7.90	7.40	0.00
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	0.00
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.04
69 Chrysene-d12	16.62	16.12	17.12	16.65	0.19
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.12
77 Perylene-d12	18.69	18.19	19.19	18.75	0.31

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.

Analytical Resources, Inc.

RECOVERY REPORT

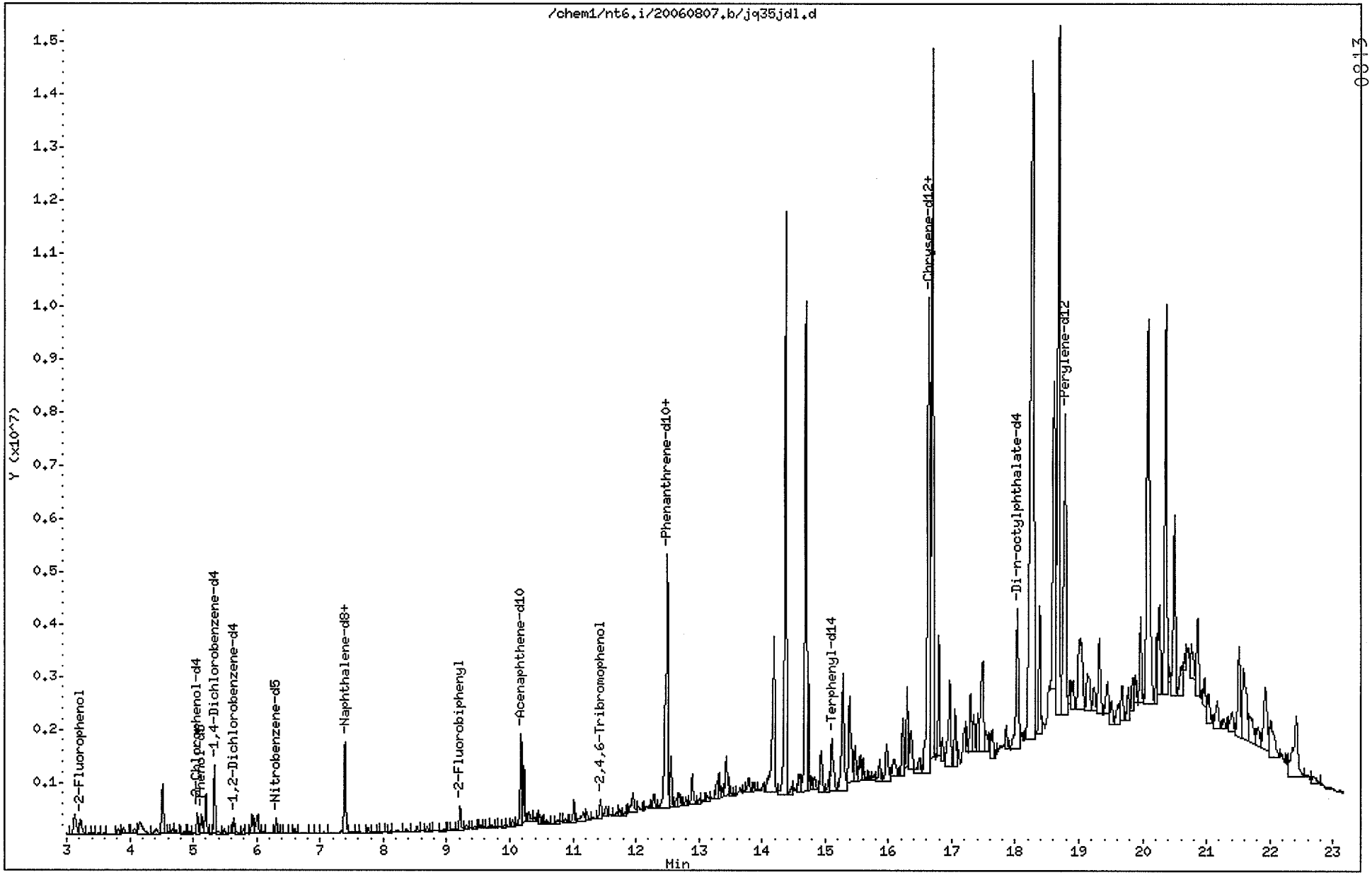
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35J
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12965

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-G
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1538	810.6	52.70	22-91
$ 2 Phenol-d5	1538	926.9	60.27	26-99
$ 5 2-Chlorophenol-d4	1538	868.3	56.45	29-96
$ 10 1,2-Dichlorobenzen	1025	526.2	51.32	24-87
$ 18 Nitrobenzene-d5	1025	662.6	64.62	27-101
$ 36 2-Fluorobiphenyl	1025	574.9	56.07	30-100
$ 55 2,4,6-Tribromophen	1538	877.0	57.02	20-114
$ 66 Terphenyl-d14	1025	396.7	38.69	12-120

Data File: /chem1/nt6.i/20060807.b/jq35jd1.d
Date : 07-AUG-2006 19:09
Client ID: T4-S3-05-G
Sample Info: JQ35J,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0813

Data File: /chem1/nt6.i/20060807.b/jq35jdl.d

Date : 07-AUG-2006 19:09

Client ID: T4-S3-05-G

Instrument: nt6.i

Sample Info: JQ35J,3

Volume Injected (uL): 1.0

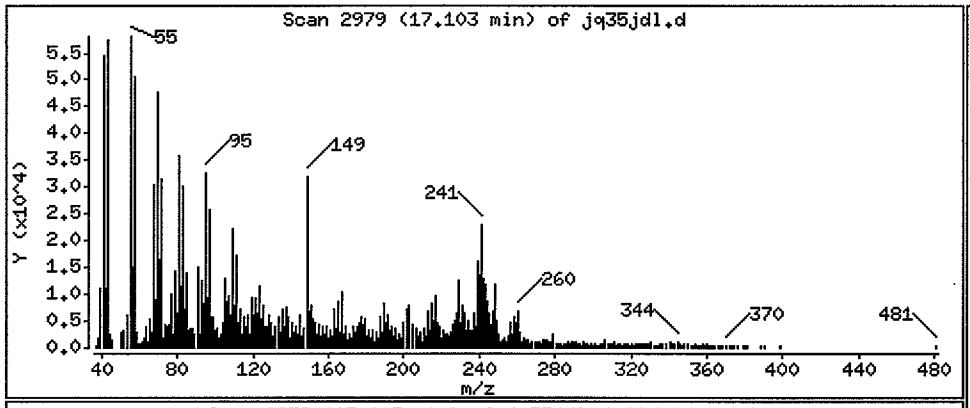
Operator: LJR

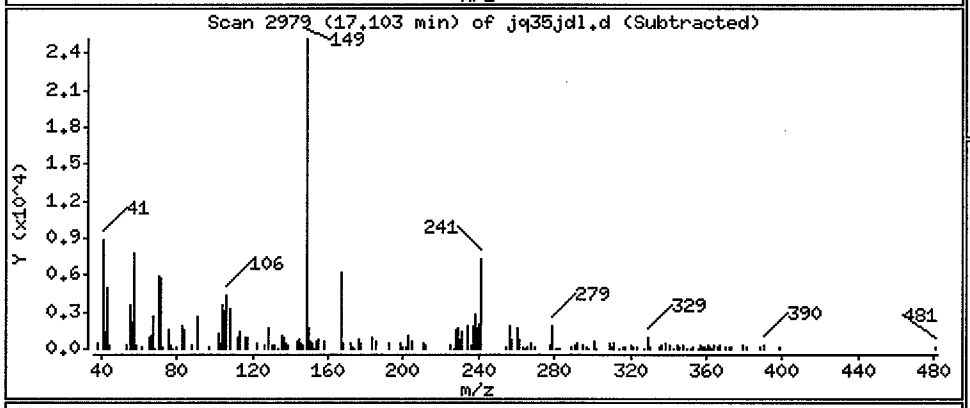
Column phase: ZB-5

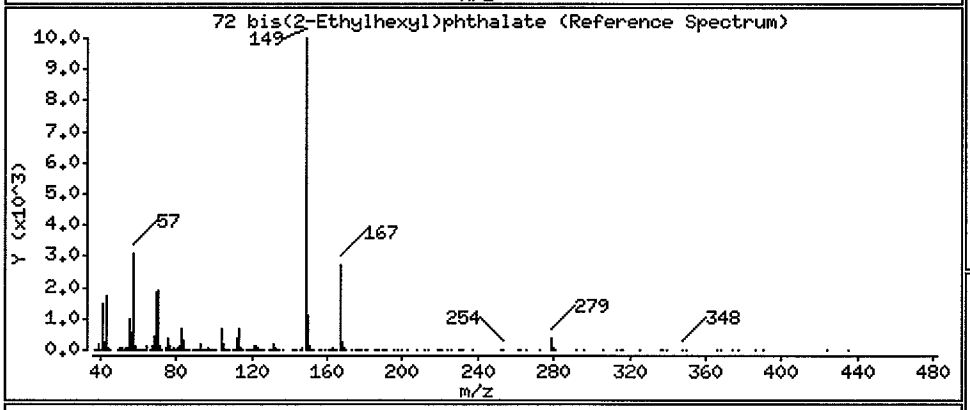
Column diameter: 0.32

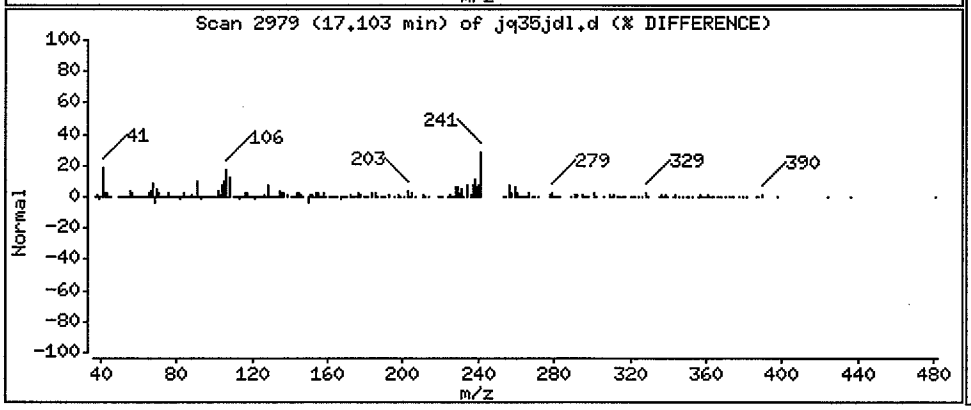
72 bis(2-Ethylhexyl)phthalate

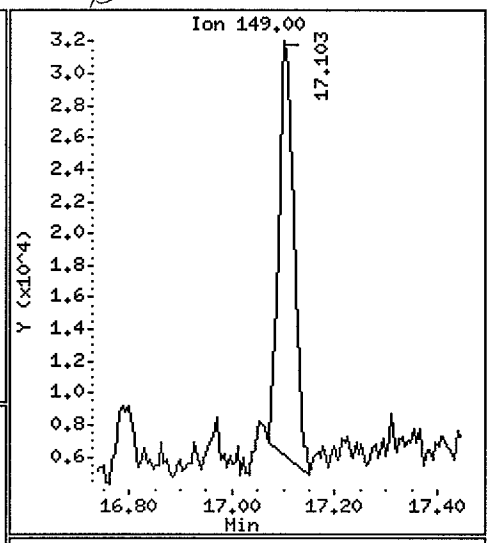
Concentration: 156.5 ug/kg B

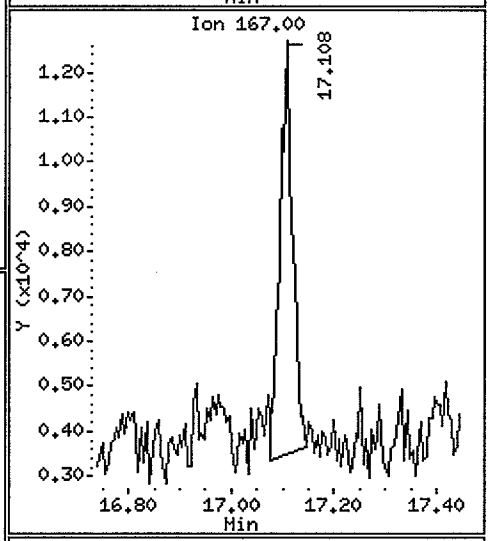


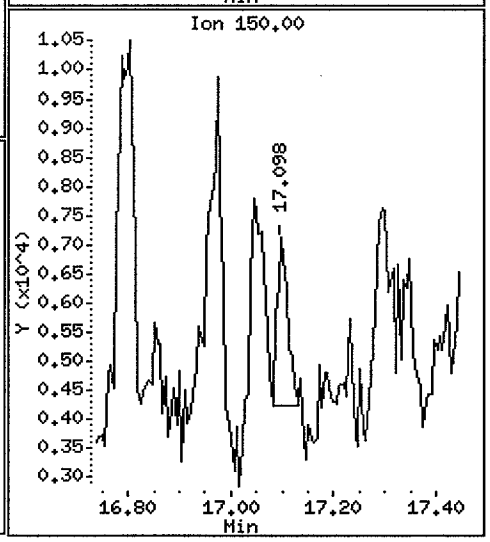




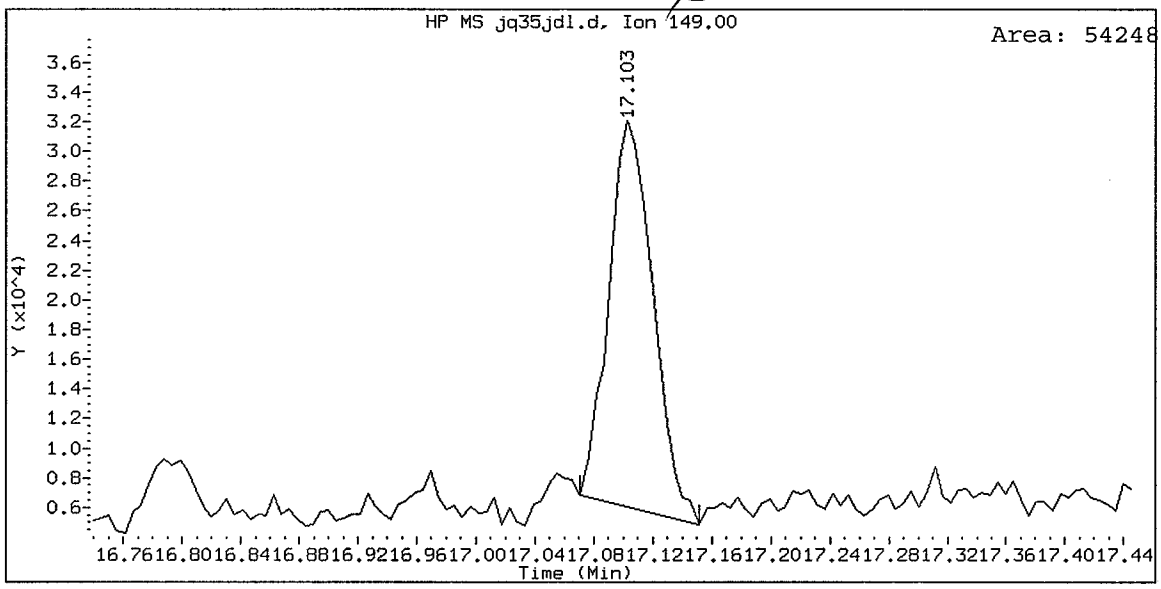


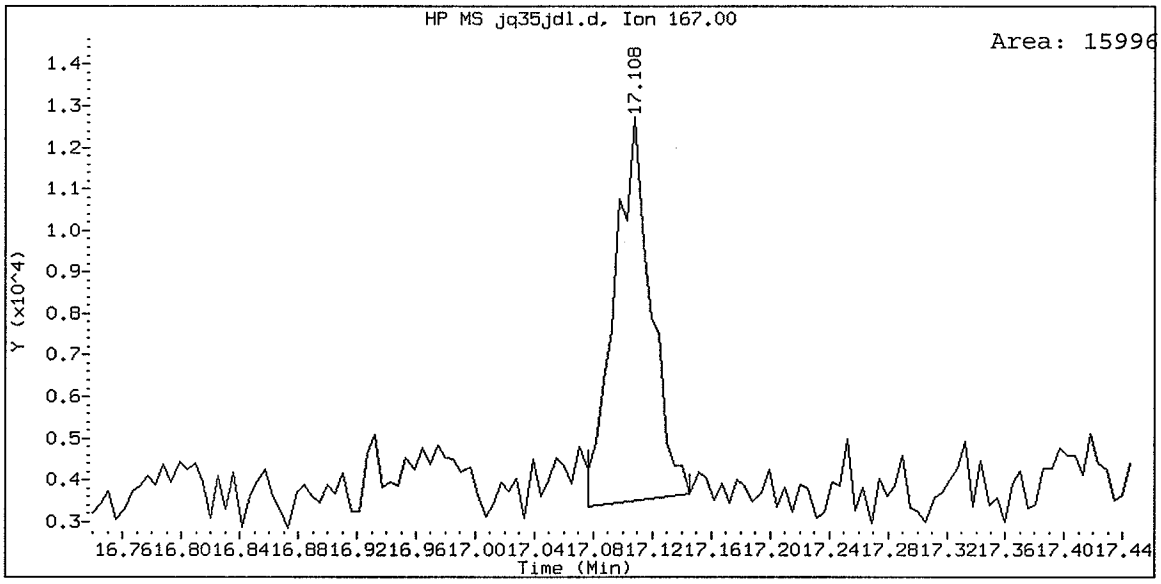


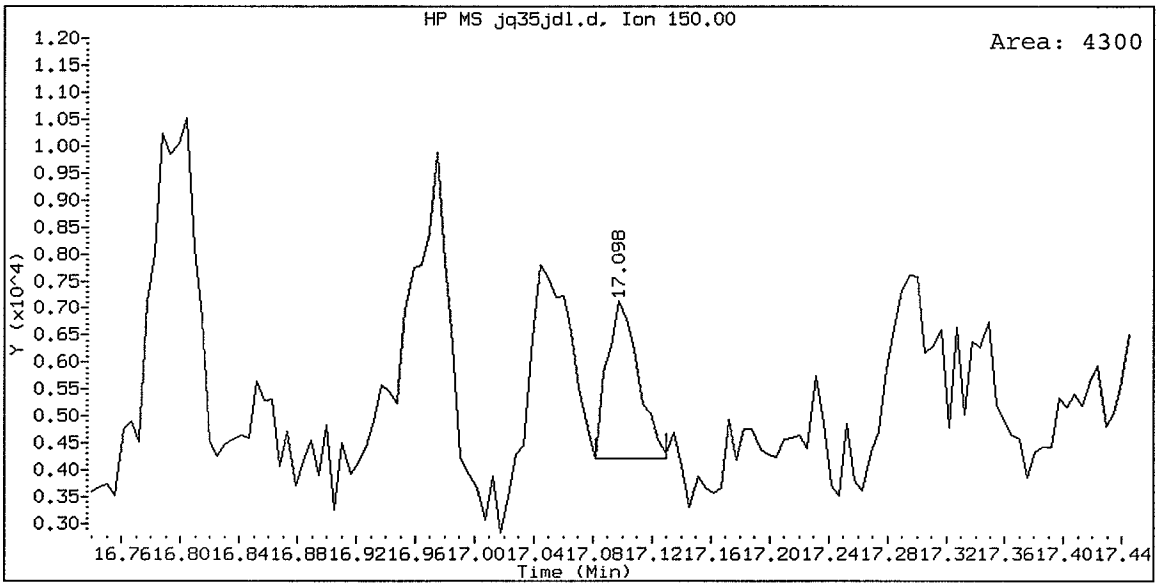




JQ35J, /chem1/nt6.i/20060807.b/jq35jdl.d
bis(2-Ethylhexyl)phthalate Amount: 1.27







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-G
DILUTION

Lab Sample ID: JQ35J
LIMS ID: 06-12965
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/09/06 13:57
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 24.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 42.9%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	820	< 820 U
84-66-2	Diethylphthalate	820	< 820 U
84-74-2	Di-n-Butylphthalate	820	< 820 U
85-68-7	Butylbenzylphthalate	820	< 820 U
117-81-7	bis(2-Ethylhexyl)phthalate	820	< 820 U
117-84-0	Di-n-Octyl phthalate	820	< 820 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	68.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060809.b/jq35jdl2.d
Lab Smp Id: JQ35J Client Smp ID: T4-S3-05-G
Inj Date : 09-AUG-2006 13:57
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35J,20
Misc Info : 06-12965
Comment : 1ul Injection
Method : /chem1/nt6.i/20060809.b/SW846.m
Meth Date : 10-Aug-2006 08:35 jeff Quant Type: ISTD LJR
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d 8/18/06
Als bottle: 9
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	42.70000	Weight of sample extracted (g)
M	42.90000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	2.834	2.823	(0.556)	24716	1.14528	939.5(M)
$	2 Phenol-d5	99	4.891	4.890	(0.960)	33709	1.28912	1057(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	4.816	4.810	(0.945)	25957	1.17071	960.3(M)
	4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
	6 2-Chlorophenol	128	Compound Not Detected.					
	7 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	8 1,4-Dichlorobenzene-d4	152	5.094	5.099	(1.000)	292461	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.398	5.398	(1.060)	9612	0.67251	551.7(M)
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.082	6.092	(0.848)	23298	0.85103	698.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.172	7.177	(1.000)	1011267	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	8.993	8.999	(0.904)	37871	0.83864	687.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	9.950	9.955	(1.000)	604786	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	9.992	9.998	(1.004)	66176	1.70399	1398
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.788	10.788	(1.084)	31768	0.73292	601.2
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.210	11.210	(1.127)	7268	1.24976	1025
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.209	12.220	(1.000)	922058	20.0000	
	60 Phenanthrene	178	12.241	12.252	(1.003)	401401	6.53935	5364
	61 Anthracene	178	12.316	12.321	(1.009)	86932	1.41072	1157
	62 Carbazole	167	12.658	12.663	(1.037)	56904	1.14712	941.0
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.101	14.100	(1.155)	916002	15.1359	12420
65 Pyrene	202	14.416	14.421	(0.881)	834992	12.4218	10190
$ 66 Terphenyl-d14	244	14.854	14.859	(0.908)	36514	0.86403	708.8
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.339	16.344	(0.999)	605046	10.0405	8236
* 69 Chrysene-d12	240	16.360	16.360	(1.000)	798013	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.392	16.397	(1.002)	642342	10.7266	8799
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	17.776	17.776	(1.000)	1170038	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	17.942	17.936	(0.974)	710799	11.9270	9784(M)
75 Benzo(k)fluoranthene	252	17.942	17.963	(0.974)	695585	11.2873	9259(M)
76 Benzo(a)pyrene	252	18.342	18.342	(0.995)	800476	13.9553	11450
* 77 Perylene-d12	264	18.428	18.422	(1.000)	907745	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	19.736	19.736	(1.071)	658816	9.44111	7744
79 Dibenzo(a,h)anthracene	278	19.785	19.784	(1.074)	70490	1.02836	843.5(M)
80 Benzo(g,h,i)perylene	276	20.009	20.014	(1.086)	602122	8.24030	6759
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35jdl2.d
Lab Smp Id: JQ35J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060809.b/SW846.m
Misc Info: 06-12965

Calibration Date: 09-AUG-2006
Calibration Time: 09:22
Client Smp ID: T4-S3-05-G
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	324892	162446	649784	292461	-9.98
27 Naphthalene-d8	1118078	559039	2236156	1011267	-9.55
42 Acenaphthene-d10	626364	313182	1252728	604786	-3.44
59 Phenanthrene-d10	965932	482966	1931864	922058	-4.54
69 Chrysene-d12	826790	413395	1653580	798013	-3.48
134 Di-n-octylphthala	1180779	590390	2361558	1170038	-0.91
77 Perylene-d12	721459	360730	1442918	907745	25.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.10	4.60	5.60	5.09	-0.10
27 Naphthalene-d8	7.18	6.68	7.68	7.17	-0.07
42 Acenaphthene-d10	9.95	9.45	10.45	9.95	-0.05
59 Phenanthrene-d10	12.22	11.72	12.72	12.21	-0.09
69 Chrysene-d12	16.36	15.86	16.86	16.36	0.00
134 Di-n-octylphthala	17.78	17.28	18.28	17.78	0.00
77 Perylene-d12	18.42	17.92	18.92	18.43	0.03

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35J
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060809.b/SW846.m
Misc Info: 06-12965

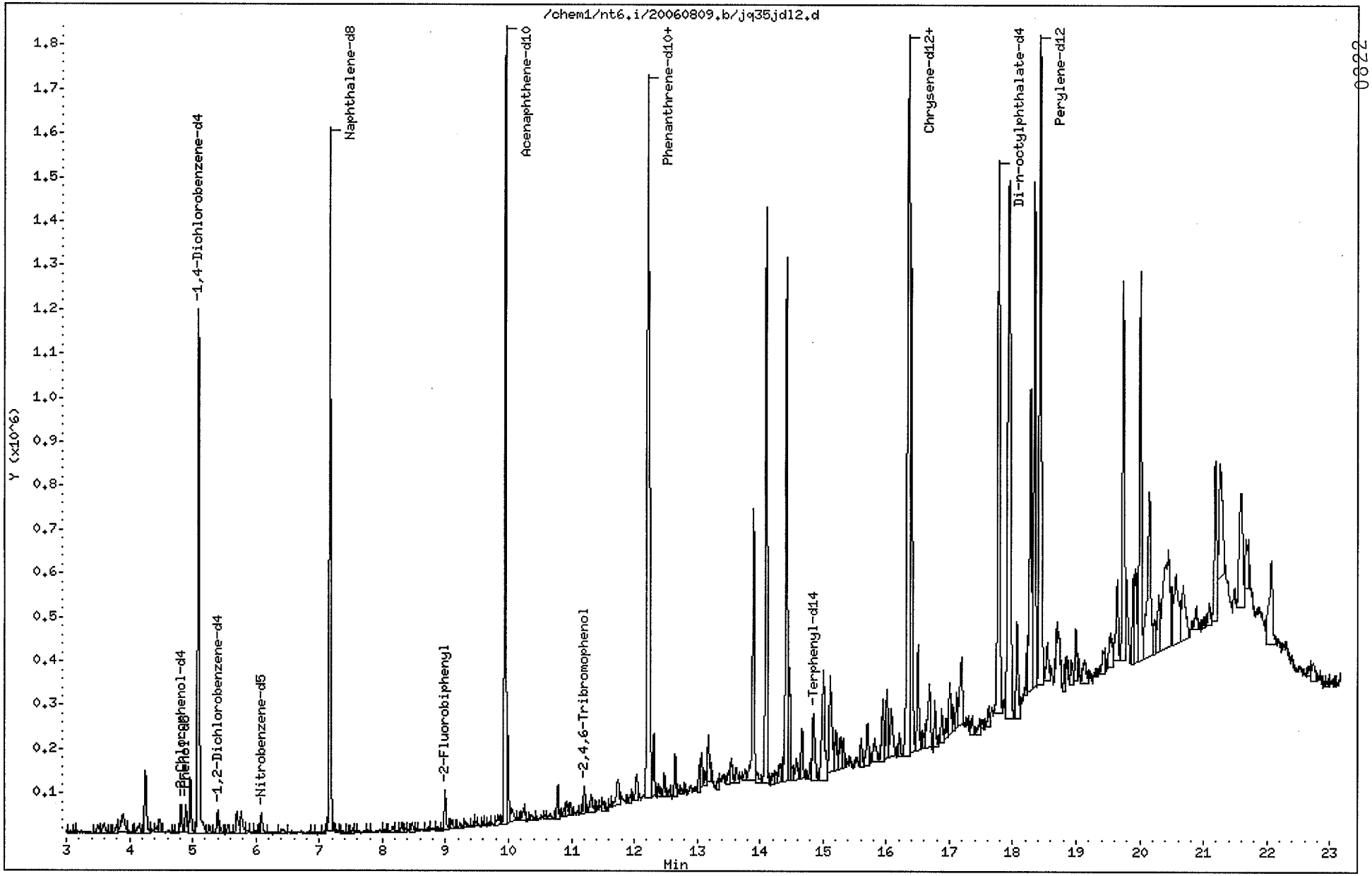
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-G
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1538	939.5	61.08	22-91
$ 2 Phenol-d5	1538	1057	68.75	26-99
$ 5 2-Chlorophenol-d4	1538	960.3	62.44	29-96
$ 10 1,2-Dichlorobenzen	1025	551.7	53.80	24-87
$ 18 Nitrobenzene-d5	1025	698.1	68.08	27-101
$ 36 2-Fluorobiphenyl	1025	687.9	67.09	30-100
$ 55 2,4,6-Tribromophen	1538	1025	66.65	20-114
$ 66 Terphenyl-d14	1025	708.8	69.12	12-120

Data File: /chem1/nt6.i/20060809.b/jq35jd12.d
Date : 09-AUG-2006 13:57
Client ID: T4-S3-05-G
Sample Info: JQ35J,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0022

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-H
SAMPLE

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 19:40
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	110	< 110 U
84-66-2	Diethylphthalate	110	< 110 U
84-74-2	Di-n-Butylphthalate	110	< 110 U
85-68-7	Butylbenzylphthalate	110	< 110 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**110**	**150 B**
117-84-0	Di-n-Octyl phthalate	110	< 110 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	31.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35kdl.d
Lab Smp Id: JQ35K Client Smp ID: T4-S3-05-H
Inj Date : 07-AUG-2006 19:40
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35K,3
Misc Info : 06-12966
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 17
Dil Factor: 3.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	47.60000	Weight of sample extracted (g)
M	42.50000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.216	3.192	(0.603)	111191	5.54463	607.7(M)
$ 2 Phenol-d5	99	5.128	5.115	(0.961)	154505	6.35859	697.0(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.064	5.056	(0.949)	125132	6.07340	665.7(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.337	5.340	(1.000)	271768	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.636	5.639	(1.056)	46944	3.53456	387.4
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.004	5.997	(1.125)	22616	0.81970 Y	89.85(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.309	6.317	(0.853)	119145	4.55110	498.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.393	7.396	(1.000)	967057	20.0000	
	28 Naphthalene	128	7.420	7.423	(1.004)	139456	2.37213	260.0
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.537	8.540	(1.155)	37769	1.18783	130.2
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.210	9.213	(0.904)	173612	3.98988	437.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.182	10.180	(1.000)	582763	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.225	10.222	(1.004)	453340	12.1144	1328
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.481	10.484	(1.029)	115606	2.24533	246.1
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.021	11.018	(1.082)	215830	5.16757	566.4
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.443	11.440	(1.124)	35005	6.24672	684.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.463	12.455	(1.000)	969912	20.0000	
	60 Phenanthrene	178	12.500	12.487	(1.003)	3348226	51.8557	5684
	61 Anthracene	178	12.559	12.557	(1.008)	589088	9.08795	996.1
	62 Carbazole	167	12.896	12.893	(1.035)	393059	7.53266	825.6
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.381	14.352	(1.154)	8019420	125.974 E	13810
65 Pyrene	202	14.707	14.672	(0.883)	7939504	59.9167	6567
$ 66 Terphenyl-d14	244	15.113	15.094	(0.907)	215036	2.58127	282.9
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.641	16.601	(0.999)	7321236	61.6314	6755
* 69 Chrysene-d12	240	16.657	16.622	(1.000)	1573103	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.705	16.660	(1.003)	7877835	66.7352	7315
72 bis(2-Ethylhexyl)phthalate	149	17.105	17.092	(0.948)	59980	1.37233 B	150.5(M)
* 134 Di-n-octylphthalate-d4	153	18.035	18.011	(1.000)	1729755	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.275	18.203	(0.974)	10414395	96.7956 E	10610(M)
75 Benzo(k)fluoranthene	252	18.286	18.236	(0.975)	7803386	70.1388	7688(M)
76 Benzo(a)pyrene	252	18.703	18.615	(0.997)	10855737	104.830 E	11490
* 77 Perylene-d12	264	18.761	18.695	(1.000)	1638808	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.102	20.009	(1.071)	7482816	59.3964	6510
79 Dibenzo(a,h)anthracene	278	20.124	20.057	(1.073)	3077132	24.8656	2725
80 Benzo(g,h,i)perylene	276	20.380	20.292	(1.086)	5847650	44.3278	4859
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	8.691	8.694	(1.176)	18755	0.56425 LOL	61.85
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35kdl.d
Lab Smp Id: JQ35K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12966

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-05-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	271768	-14.81
27 Naphthalene-d8	1113586	556793	2227172	967057	-13.16
42 Acenaphthene-d10	652908	326454	1305816	582763	-10.74
59 Phenanthrene-d10	1012561	506280	2025122	969912	-4.21
69 Chrysene-d12	948800	474400	1897600	1573103	65.80
134 Di-n-octylphthala	1381183	690592	2762366	1729755	25.24
77 Perylene-d12	760208	380104	1520416	1638808	115.57 <-

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.06
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.04
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	0.02
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.06
69 Chrysene-d12	16.62	16.12	17.12	16.66	0.21
134 Di-n-octylphthala	18.01	17.51	18.51	18.03	0.13
77 Perylene-d12	18.69	18.19	19.19	18.76	0.36

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35K
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12966

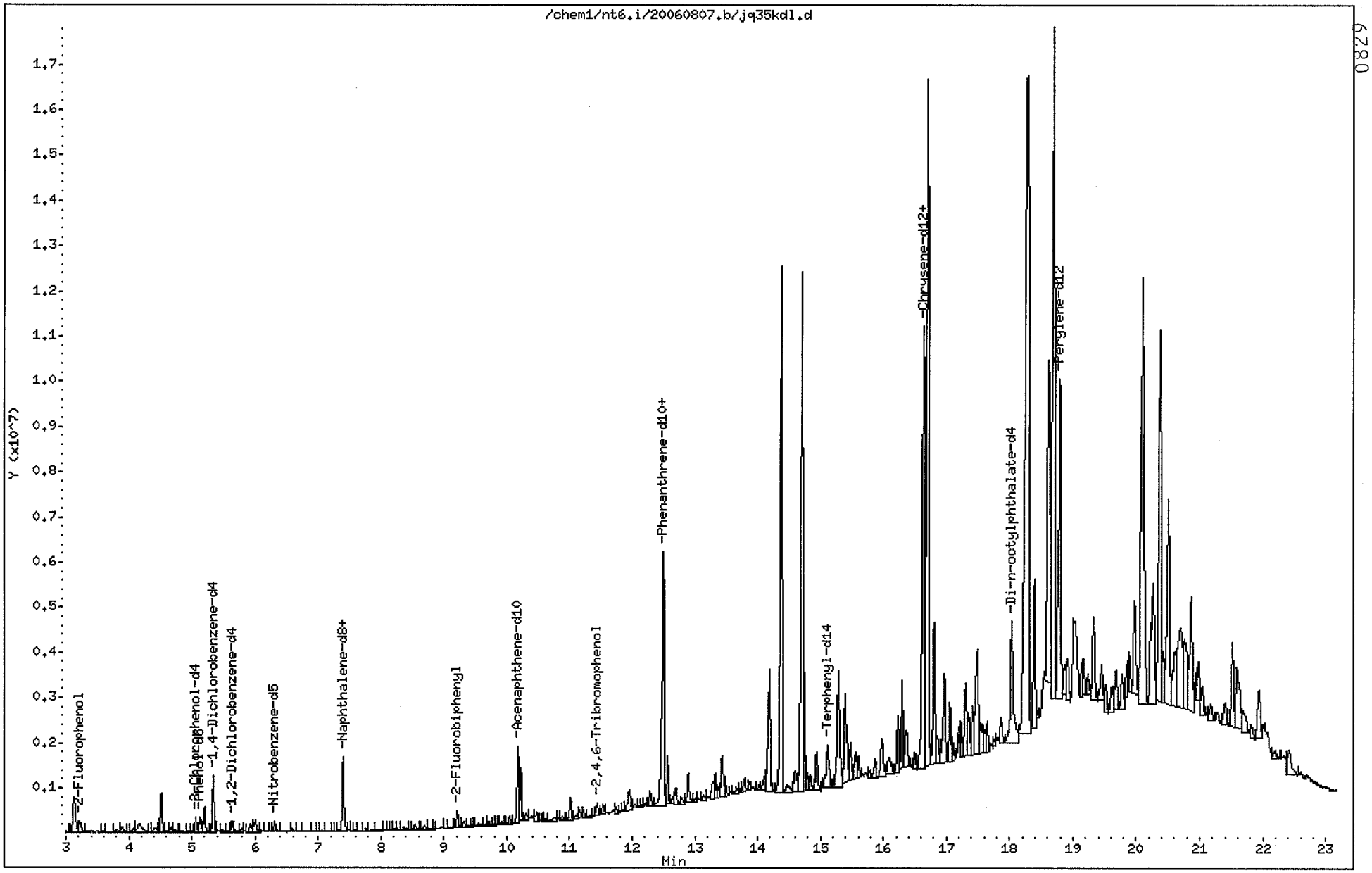
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-H
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1370	607.7	44.36	22-91
$ 2 Phenol-d5	1370	697.0	50.87	26-99
$ 5 2-Chlorophenol-d4	1370	665.7	48.59	29-96
$ 10 1,2-Dichlorobenzen	913.4	387.4	42.41	24-87
$ 18 Nitrobenzene-d5	913.4	498.8	54.61	27-101
$ 36 2-Fluorobiphenyl	913.4	437.3	47.88	30-100
$ 55 2,4,6-Tribromophen	1370	684.7	49.97	20-114
$ 66 Terphenyl-d14	913.4	282.9	30.98	12-120

Data File: /chem1/nt6.i/20060807.b/jq35kdl.d
Date : 07-AUG-2006 19:40
Client ID: T4-S3-05-H
Sample Info: JQ35K,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



6780

Data File: /chem1/nt6.i/20060807.b/jq35kdl.d

Date : 07-AUG-2006 19:40

Client ID: T4-S3-05-H

Instrument: nt6.i

Sample Info: JQ35K,3

Volume Injected (uL): 1.0

Operator: LJR

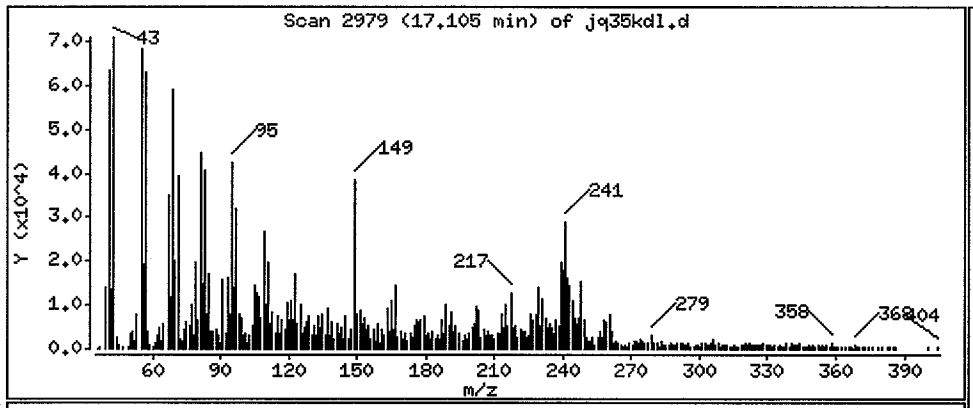
Column phase: ZB-5

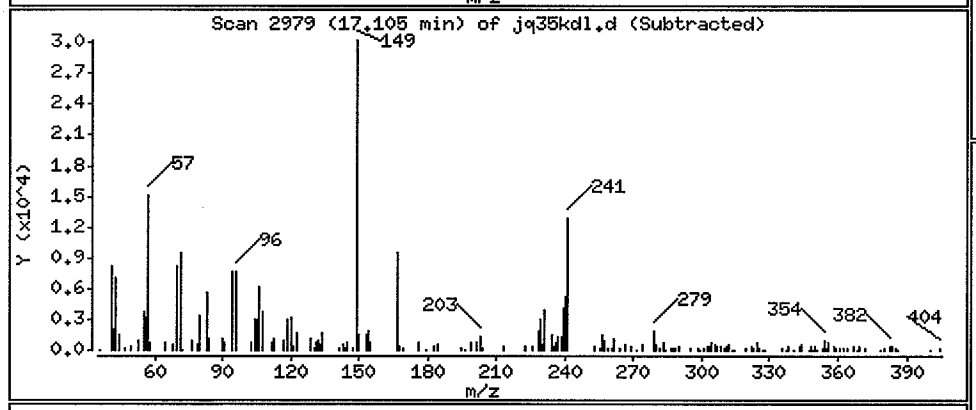
Column diameter: 0.32

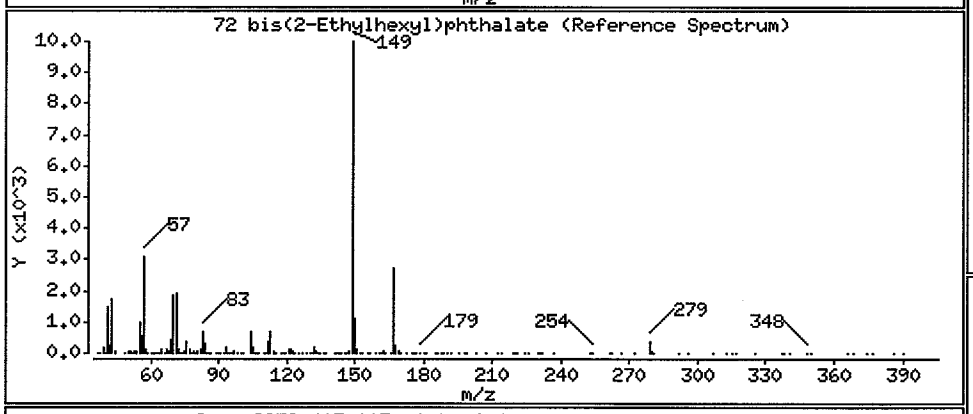
72 bis(2-Ethylhexyl)phthalate

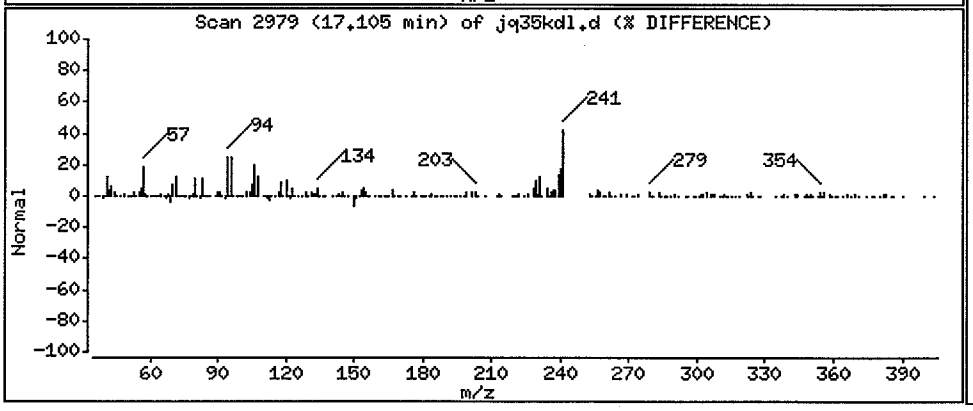
Concentration: 150.5 ug/kg

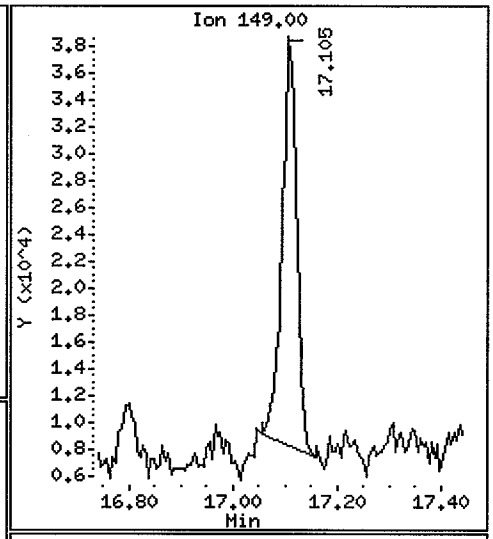
B

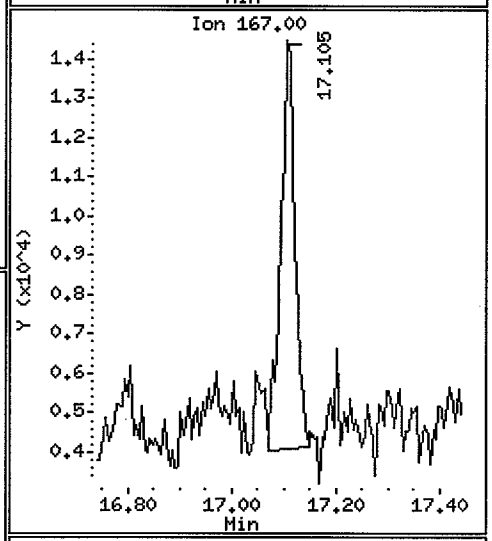


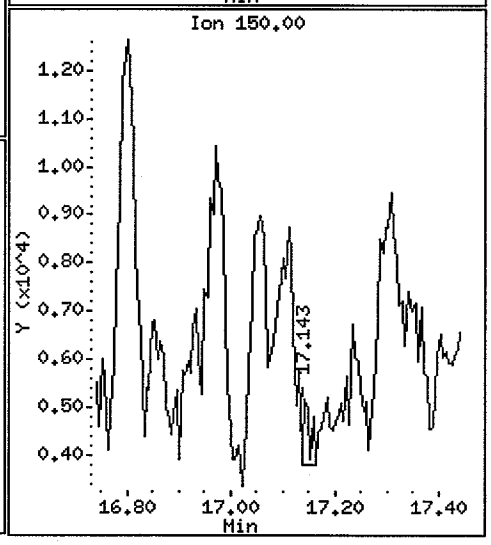




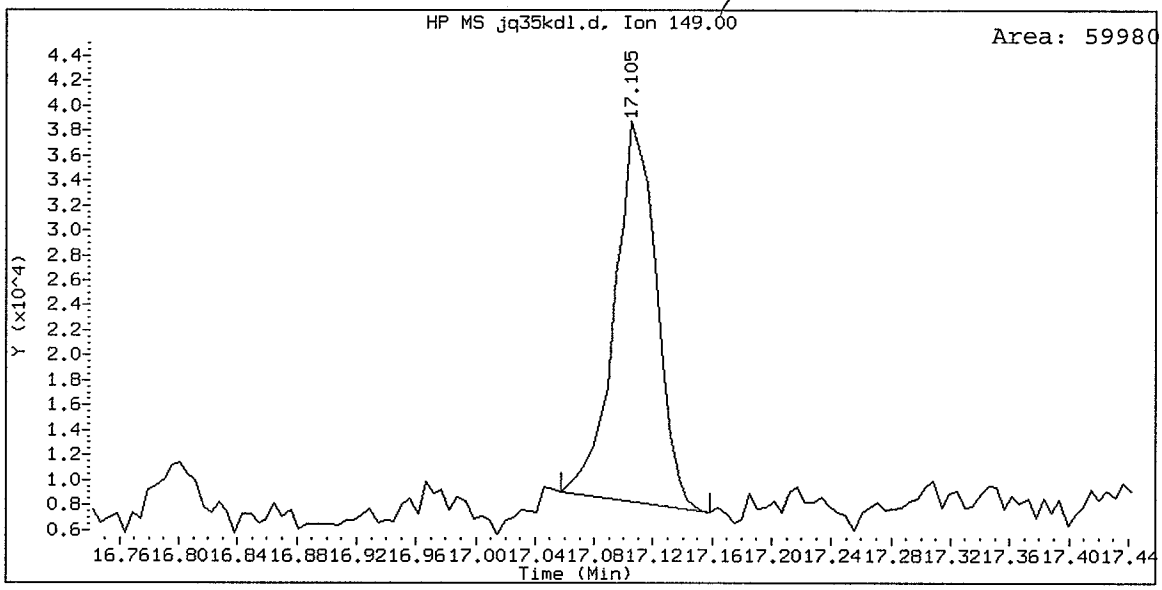


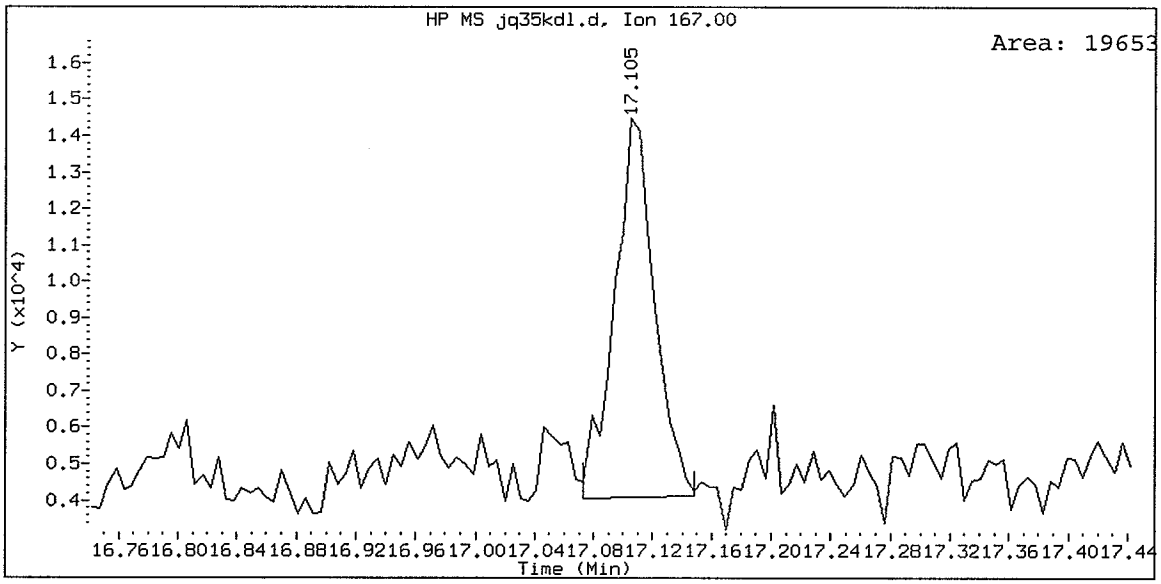


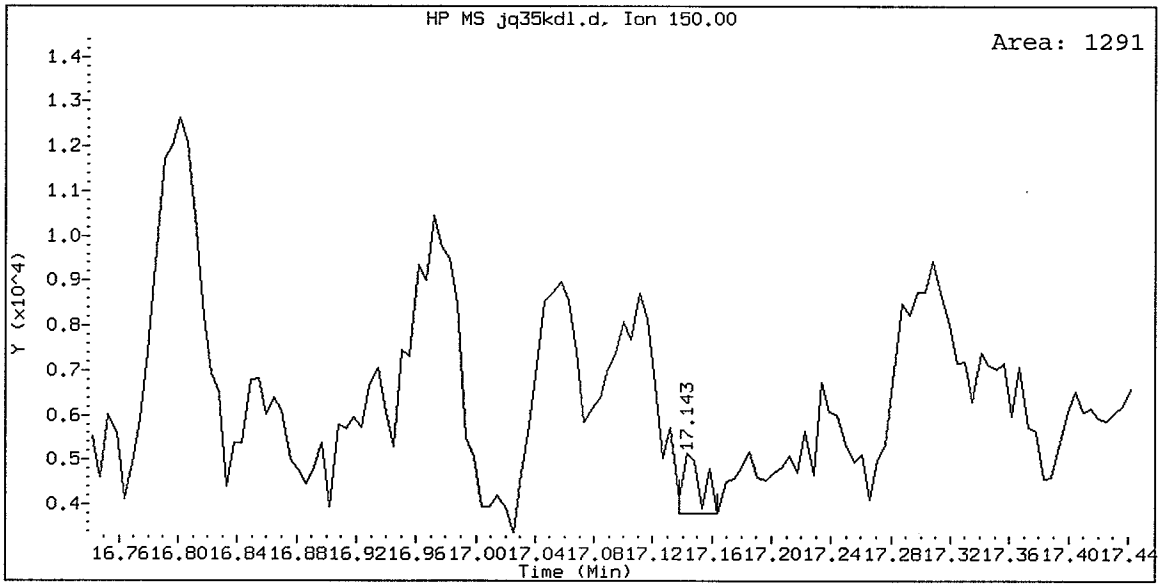




JQ35K, /chem1/nt6.i/20060807.b/jq35kdl.d
bis(2-Ethylhexyl)phthalate Amount: 1.37







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-H
DILUTION

Lab Sample ID: JQ35K
LIMS ID: 06-12966
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/09/06 14:27
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 27.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 20.0
Percent Moisture: 42.5%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	730	< 730 U
84-66-2	Diethylphthalate	730	< 730 U
84-74-2	Di-n-Butylphthalate	730	< 730 U
85-68-7	Butylbenzylphthalate	730	< 730 U
117-81-7	bis(2-Ethylhexyl)phthalate	730	< 730 U
117-84-0	Di-n-Octyl phthalate	730	< 730 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	55.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060809.b/jq35kdl2.d
Lab Smp Id: JQ35K Client Smp ID: T4-S3-05-H
Inj Date : 09-AUG-2006 14:27
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35K,20
Misc Info : 06-12966
Comment : 1ul Injection
Method : /chem1/nt6.i/20060809.b/SW846.m
Meth Date : 10-Aug-2006 08:35 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 10
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	20.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	47.60000	Weight of sample extracted (g)
M	42.50000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	2.843	2.823	(0.558)	20250	0.86855	634.7
$ 2 Phenol-d5	99	4.884	4.890	(0.959)	27430	0.97098	709.5(M)
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	4.815	4.810	(0.945)	19795	0.82639	603.9
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.092	5.099	(1.000)	315959	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.402	5.398	(1.061)	9004	0.58312	426.1(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.086	6.092	(0.849)	20369	0.68947	503.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.170	7.177	(1.000)	1091310	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	8.998	8.999	(0.904)	31353	0.64457	471.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	9.948	9.955	(1.000)	651453	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	9.991	9.998	(1.004)	74058	1.77035	1294
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	10.787	10.788	(1.084)	36477	0.78127	570.9
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.209	11.210	(1.127)	6100	0.97378	711.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.213	12.220	(1.000)	991469	20.0000	
	60 Phenanthrene	178	12.246	12.252	(1.003)	455701	6.90423	5045
	61 Anthracene	178	12.315	12.321	(1.008)	96499	1.45634	1064
	62 Carbazole	167	12.652	12.663	(1.036)	62938	1.17993	862.2(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.099	14.100	(1.154)	1048761	16.1164	11780
65 Pyrene	202	14.420	14.421	(0.881)	968967	13.7017	10010
$ 66 Terphenyl-d14	244	14.852	14.859	(0.908)	30709	0.69071	504.7
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.338	16.344	(0.999)	715794	11.2906	8250
* 69 Chrysene-d12	240	16.359	16.360	(1.000)	839550	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.396	16.397	(1.002)	720759	11.4406	8360
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	17.775	17.776	(1.000)	1219579	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	17.946	17.936	(0.974)	916029	14.2274	10400(M)
75 Benzo(k)fluoranthene	252	17.946	17.963	(0.974)	766082	11.5065	8408(M)
76 Benzo(a)pyrene	252	18.346	18.342	(0.995)	958656	15.4697	11300
* 77 Perylene-d12	264	18.432	18.422	(1.000)	980696	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	19.741	19.736	(1.071)	754250	10.0047	7311
79 Dibenzo(a,h)anthracene	278	19.783	19.784	(1.073)	75477	1.01920	744.8(M)
80 Benzo(g,h,i)perylene	276	20.008	20.014	(1.085)	726668	9.20501	6726
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35kdl2.d
Lab Smp Id: JQ35K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060809.b/SW846.m
Misc Info: 06-12966

Calibration Date: 09-AUG-2006
Calibration Time: 09:22
Client Smp ID: T4-S3-05-H
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	324892	162446	649784	315959	-2.75
27 Naphthalene-d8	1118078	559039	2236156	1091310	-2.39
42 Acenaphthene-d10	626364	313182	1252728	651453	4.01
59 Phenanthrene-d10	965932	482966	1931864	991469	2.64
69 Chrysene-d12	826790	413395	1653580	839550	1.54
134 Di-n-octylphthala	1180779	590390	2361558	1219579	3.29
77 Perylene-d12	721459	360730	1442918	980696	35.93

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.10	4.60	5.60	5.09	-0.13
27 Naphthalene-d8	7.18	6.68	7.68	7.17	-0.09
42 Acenaphthene-d10	9.95	9.45	10.45	9.95	-0.06
59 Phenanthrene-d10	12.22	11.72	12.72	12.21	-0.05
69 Chrysene-d12	16.36	15.86	16.86	16.36	-0.01
134 Di-n-octylphthala	17.78	17.28	18.28	17.77	-0.01
77 Perylene-d12	18.42	17.92	18.92	18.43	0.05

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35K
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060809.b/SW846.m
Misc Info: 06-12966

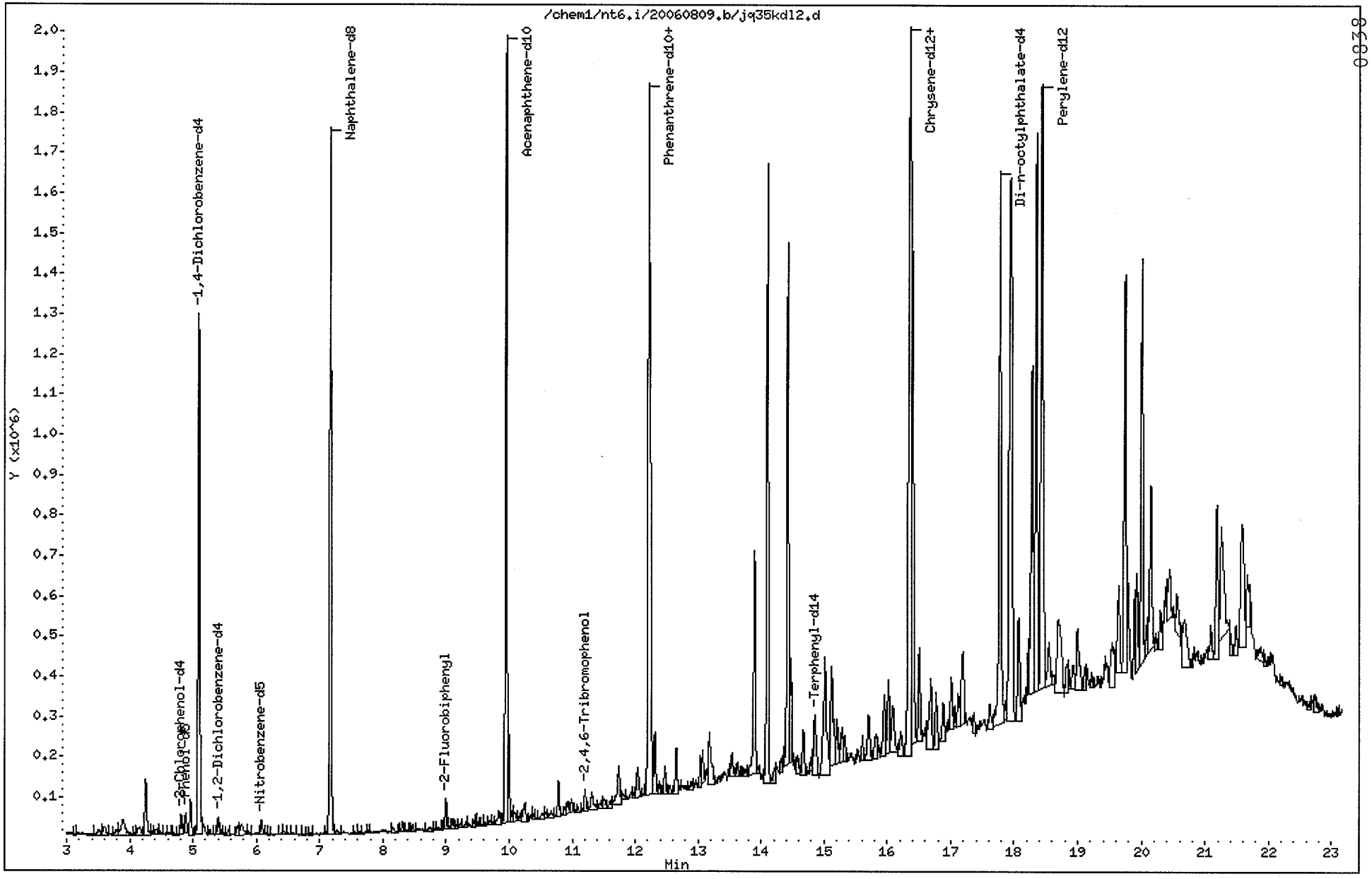
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-H
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1370	634.7	46.32	22-91
$ 2 Phenol-d5	1370	709.5	51.79	26-99
$ 5 2-Chlorophenol-d4	1370	603.9	44.07	29-96
$ 10 1,2-Dichlorobenzen	913.4	426.1	46.65	24-87
$ 18 Nitrobenzene-d5	913.4	503.8	55.16	27-101
$ 36 2-Fluorobiphenyl	913.4	471.0	51.57	30-100
$ 55 2,4,6-Tribromophen	1370	711.6	51.93	20-114
$ 66 Terphenyl-d14	913.4	504.7	55.26	12-120

Data File: /chem1/nt6.i/20060809.b/jq35kd12.d
Date : 09-AUG-2006 14:27
Client ID: T4-S3-05-H
Sample Info: JQ35K,20
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0039

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-05-J
SAMPLE

Lab Sample ID: JQ35L
LIMS ID: 06-12967
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 20:11
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 20.2%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	63.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35l.d
Lab Smp Id: JQ35L
Client Smp ID: T4-S3-05-J
Inj Date : 07-AUG-2006 20:11
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35L
Misc Info : 06-12967
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	63.90000	Weight of sample extracted (g)
M	20.20000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.240	3.192	(0.607)	458232	22.2728	436.8(M)
$ 2 Phenol-d5	99	5.163	5.115	(0.967)	584050	23.4290	459.5
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.067	5.056	(0.949)	447600	21.1758	415.3(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.339	5.340	(1.000)	278813	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.638	5.639	(1.056)	178419	13.0943	256.8
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.853)	423923	16.2545	318.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	963400	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	646595	14.4954	284.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.179	10.180	(1.000)	597410	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.004)	36844	0.96042 LOC	18.83
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	131987	22.9759	450.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	962828	20.0000	
	60 Phenanthrene	178	12.487	12.487	(1.003)	298230	4.65283	91.25
	61 Anthracene	178	12.556	12.557	(1.008)	58458	0.90848 LOC	17.82
	62 Carbazole	167	12.893	12.893	(1.035)	28478	0.54977	10.78(M)
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.351	14.352	(1.152)	664146	10.5096	206.1
65 Pyrene	202	14.677	14.672	(0.883)	674717	9.37186	183.8(M)
$ 66 Terphenyl-d14	244	15.099	15.094	(0.908)	717680	15.8563	311.0
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.606	16.601	(0.999)	421172	6.52569	128.0
* 69 Chrysene-d12	240	16.622	16.622	(1.000)	854688	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.659	16.660	(1.002)	437487	6.82123	133.8
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	18.011	18.011	(1.000)	1260069	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.208	18.203	(0.973)	351831	6.06715	119.0(M)
75 Benzo(k)fluoranthene	252	18.208	18.236	(0.973)	532470	8.87972	174.1(M)
76 Benzo(a)pyrene	252	18.620	18.615	(0.995)	475682	8.52261	167.1
* 77 Perylene-d12	264	18.705	18.695	(1.000)	883281	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.014	20.009	(1.070)	361683	5.32663	104.5
79 Dibenzo(a,h)anthracene	278	20.062	20.057	(1.073)	38427	0.57613	11.30(M)
80 Benzo(g,h,i)perylene	276	20.292	20.292	(1.085)	325421	4.57688	89.76
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35l.d
Lab Smp Id: JQ35L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12967

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-05-J
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	278813	-12.60
27 Naphthalene-d8	1113586	556793	2227172	963400	-13.49
42 Acenaphthene-d10	652908	326454	1305816	597410	-8.50
59 Phenanthrene-d10	1012561	506280	2025122	962828	-4.91
69 Chrysene-d12	948800	474400	1897600	854688	-9.92
134 Di-n-octylphthala	1381183	690592	2762366	1260069	-8.77
77 Perylene-d12	760208	380104	1520416	883281	16.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	-0.01
27 Naphthalene-d8	7.40	6.90	7.90	7.40	-0.01
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	-0.01
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	-0.01
69 Chrysene-d12	16.62	16.12	17.12	16.62	0.00
134 Di-n-octylphthala	18.01	17.51	18.51	18.01	0.00
77 Perylene-d12	18.69	18.19	19.19	18.71	0.05

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.

Analytical Resources, Inc.

RECOVERY REPORT

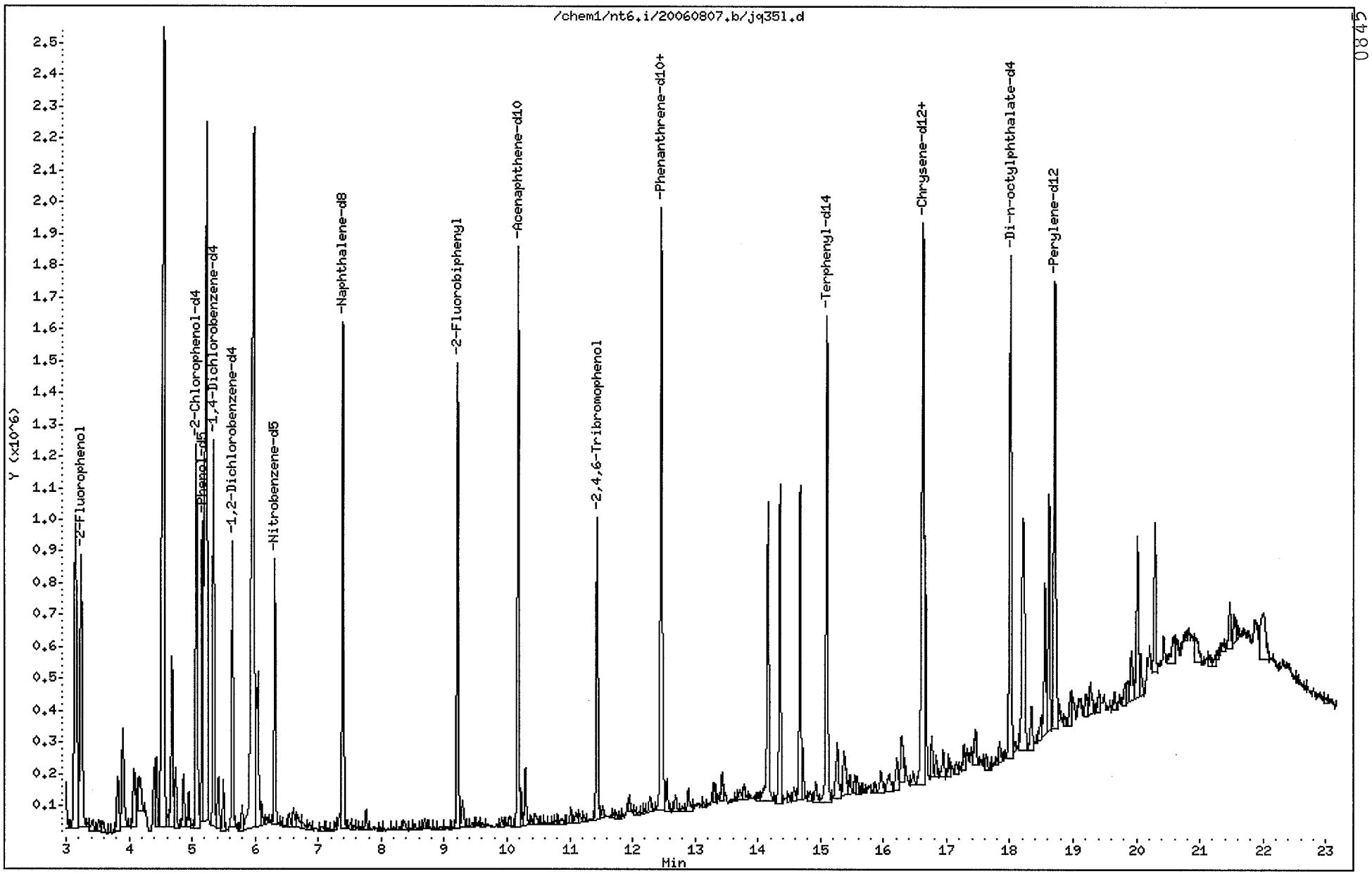
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35L
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12967

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-05-J
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	735.4	436.8	59.39	22-91
$ 2 Phenol-d5	735.4	459.5	62.48	26-99
$ 5 2-Chlorophenol-d4	735.4	415.3	56.47	29-96
$ 10 1,2-Dichlorobenzen	490.3	256.8	52.38	24-87
$ 18 Nitrobenzene-d5	490.3	318.8	65.02	27-101
$ 36 2-Fluorobiphenyl	490.3	284.3	57.98	30-100
$ 55 2,4,6-Tribromophen	735.4	450.6	61.27	20-114
$ 66 Terphenyl-d14	490.3	311.0	63.43	12-120

Data File: /chem1/nt6.i/20060807.b/jq351.d
Date : 07-AUG-2006 20:11
Client ID: T4-S3-05-J
Sample Info: JQ35L
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-06-A
SAMPLE

Lab Sample ID: JQ35M
LIMS ID: 06-12968
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 20:42
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 48.0%
pH: 7.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**46 B**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	53.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35m.d
Lab Smp Id: JQ35M — Client Smp ID: T4-S3-06-A
Inj Date : 07-AUG-2006 20:42
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ35M
Misc Info : 06-12968
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff — Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 — Cal File: 0100719d.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	97.20000	Weight of sample extracted (g)
M	48.00000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.250	3.192	(0.608)	456149	22.4680	444.5
$ 2 Phenol-d5	99	5.168	5.115	(0.967)	639155	25.9824	514.1
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.072	5.056	(0.949)	490387	23.5102	465.1(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.345	5.340	(1.000)	275134	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.644	5.639	(1.056)	187674	13.9577	276.1(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.317	6.317	(0.854)	461139	17.7074	350.3
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	7.375	7.476	(0.997)	40283	3.47860 LOL	68.82
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	961990	20.0000	
	28 Naphthalene	128	7.423	7.423	(1.004)	62984	1.07699	21.31
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	8.539	8.540	(1.155)	19147	0.60534 LOL	11.98
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	696110	15.7263	311.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.174	10.180	(1.000)	592819	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.005)	168209	4.41872	87.42
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.484	10.484	(1.030)	53551	1.02244	20.23(M)
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.018	11.018	(1.083)	96907	2.28087	45.13
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	158545	27.8128	550.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	973775	20.0000	
	60 Phenanthrene	178	12.492	12.487	(1.003)	1357398	20.9393	414.3
	61 Anthracene	178	12.556	12.557	(1.008)	245749	3.77617	74.71
	62 Carbazole	167	12.893	12.893	(1.035)	177146	3.38139	66.90
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.367	14.352	(1.154)	3447556	53.9416	1067
65 Pyrene	202	14.688	14.672	(0.883)	3205892	33.1038	655.0(M)
$ 66 Terphenyl-d14	244	15.105	15.094	(0.908)	809765	13.3001	263.1
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.622	16.601	(0.999)	2561908	29.5091	583.8
* 69 Chrysene-d12	240	16.643	16.622	(1.000)	1149694	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.681	16.660	(1.002)	2639211	30.5913	605.2
72 bis(2-Ethylhexyl)phthalate	149	17.103	17.092	(0.949)	80984	2.32222 B	45.94(M)
* 134 Di-n-octylphthalate-d4	153	18.021	18.011	(1.000)	1381176	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.241	18.203	(0.974)	4005508	51.2753	1014
75 Benzo(k)fluoranthene	252	18.257	18.236	(0.975)	2134215	26.4206	522.7(M)
76 Benzo(a)pyrene	252	18.652	18.615	(0.996)	3191617	42.4489	839.8
* 77 Perylene-d12	264	18.727	18.695	(1.000)	1189870	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.051	20.009	(1.071)	2077693	22.7146	449.4
79 Dibenzo(a,h)anthracene	278	20.089	20.057	(1.073)	780741	8.68937	171.9
80 Benzo(g,h,i)perylene	276	20.329	20.292	(1.086)	1753133	18.3037	362.1
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35m.d
Lab Smp Id: JQ35M
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12968

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-06-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	275134	-13.75
27 Naphthalene-d8	1113586	556793	2227172	961990	-13.61
42 Acenaphthene-d10	652908	326454	1305816	592819	-9.20
59 Phenanthrene-d10	1012561	506280	2025122	973775	-3.83
69 Chrysene-d12	948800	474400	1897600	1149694	21.17
134 Di-n-octylphthala	1381183	690592	2762366	1381176	0.00
77 Perylene-d12	760208	380104	1520416	1189870	56.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	0.09
27 Naphthalene-d8	7.40	6.90	7.90	7.40	-0.01
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.06
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	0.00
69 Chrysene-d12	16.62	16.12	17.12	16.64	0.13
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.06
77 Perylene-d12	18.69	18.19	19.19	18.73	0.17

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.

Analytical Resources, Inc.

RECOVERY REPORT

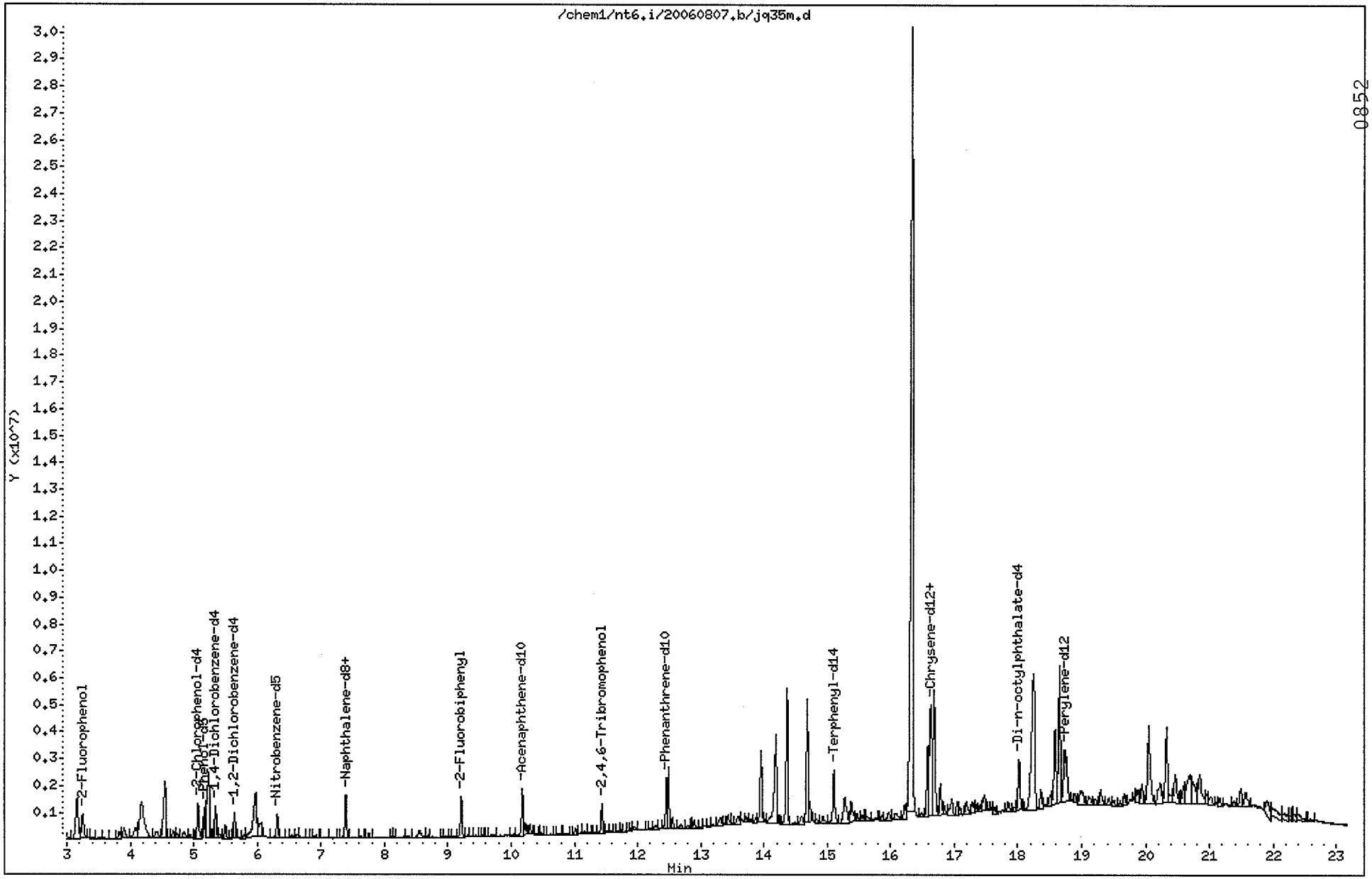
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35M
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12968

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-06-A
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.9	444.5	59.91	22-91
$ 2 Phenol-d5	741.9	514.1	69.29	26-99
$ 5 2-Chlorophenol-d4	741.9	465.1	62.69	29-96
$ 10 1,2-Dichlorobenzen	494.6	276.1	55.83	24-87
$ 18 Nitrobenzene-d5	494.6	350.3	70.83	27-101
$ 36 2-Fluorobiphenyl	494.6	311.1	62.91	30-100
$ 55 2,4,6-Tribromophen	741.9	550.3	74.17	20-114
$ 66 Terphenyl-d14	494.6	263.1	53.20	12-120

Data File: /chem1/nt6.i/20060807.b/jq35m.d
Date : 07-AUG-2006 20:42
Client ID: T4-S3-06-A
Sample Info: JQ35M
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0852

Data File: /chem1/nt6.i/20060807.b/jq35m.d

Date : 07-AUG-2006 20:42

Client ID: T4-S3-06-A

Instrument: nt6.i

Sample Info: JQ35M

Volume Injected (uL): 1.0

Operator: LJR

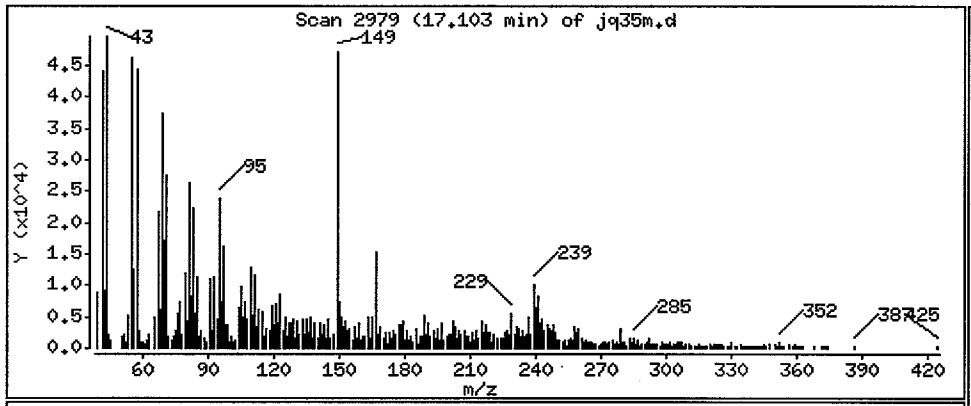
Column phase: ZB-5

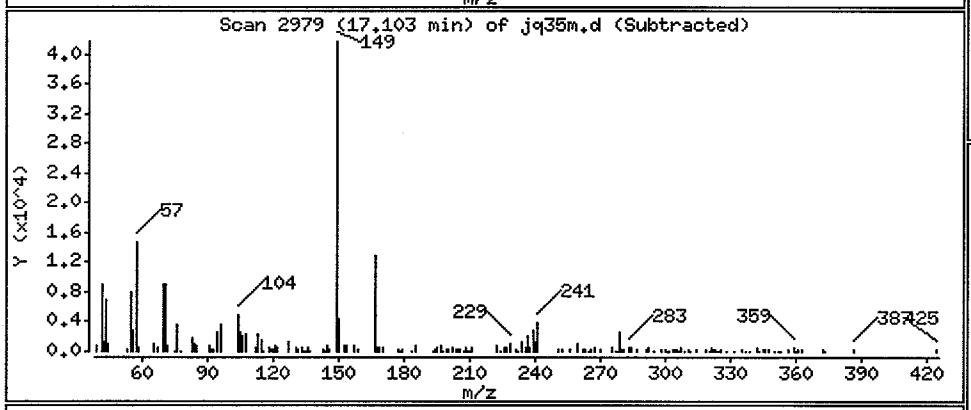
Column diameter: 0.32

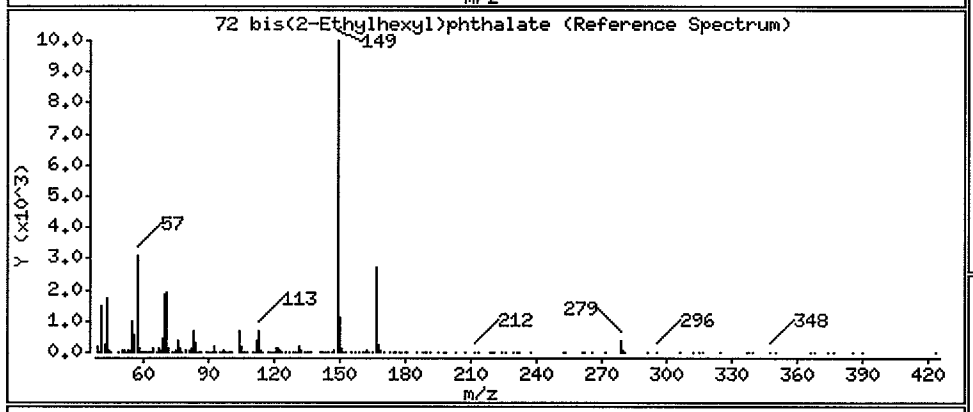
72 bis(2-Ethylhexyl)phthalate

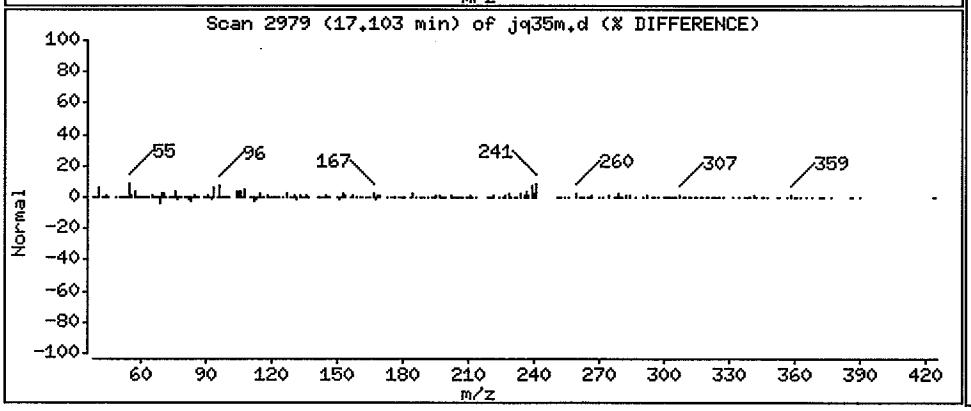
Concentration: 45.94 ug/kg

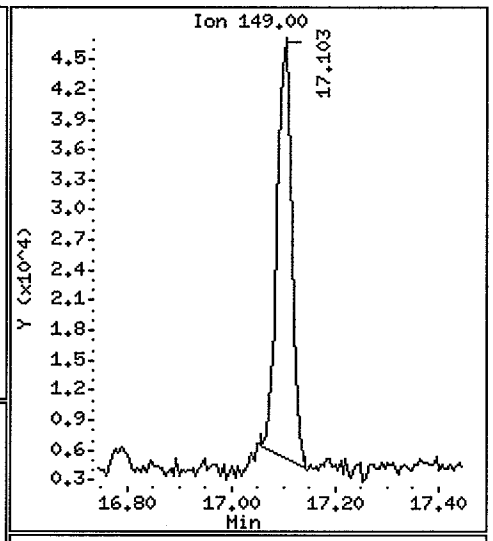
B

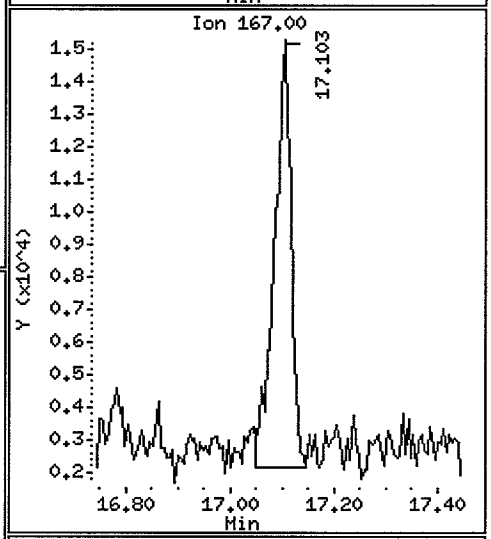


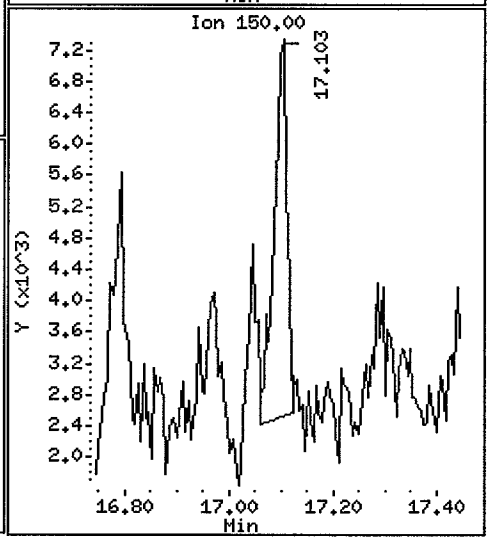




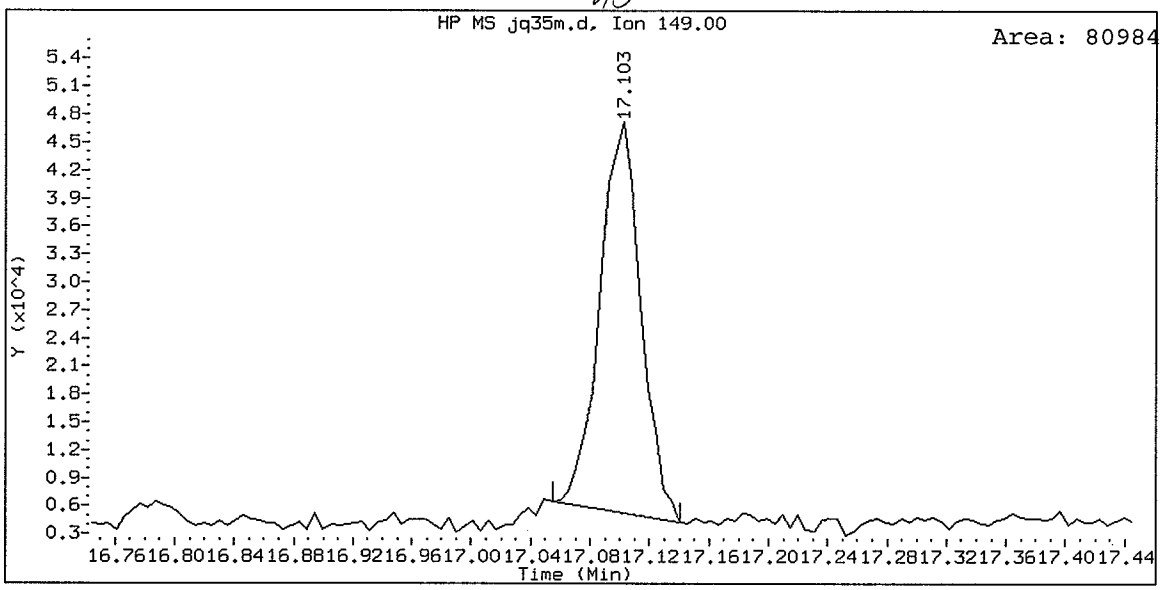


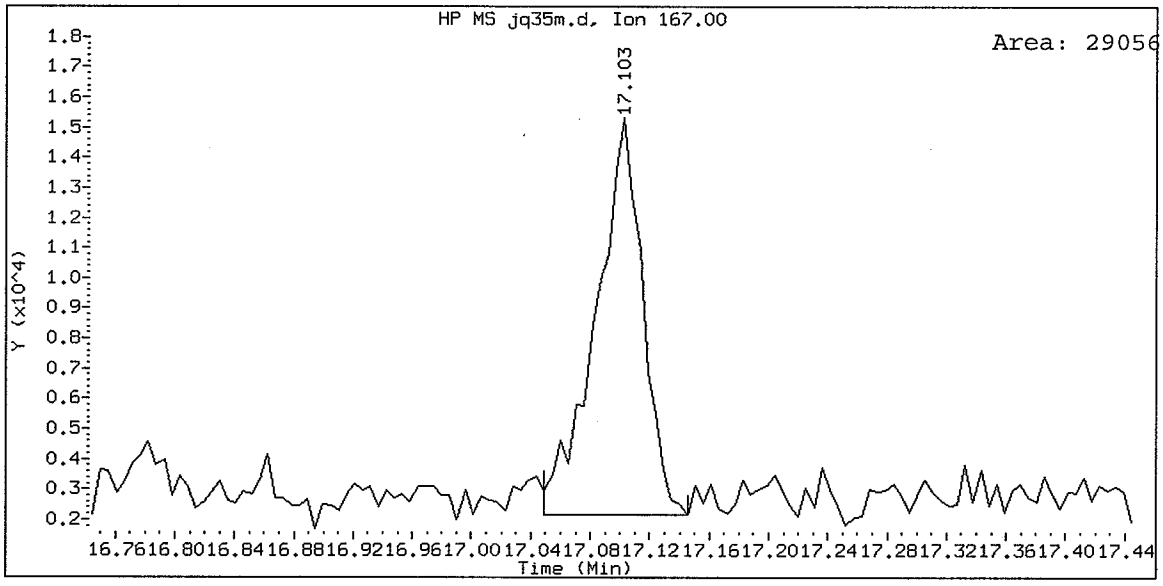


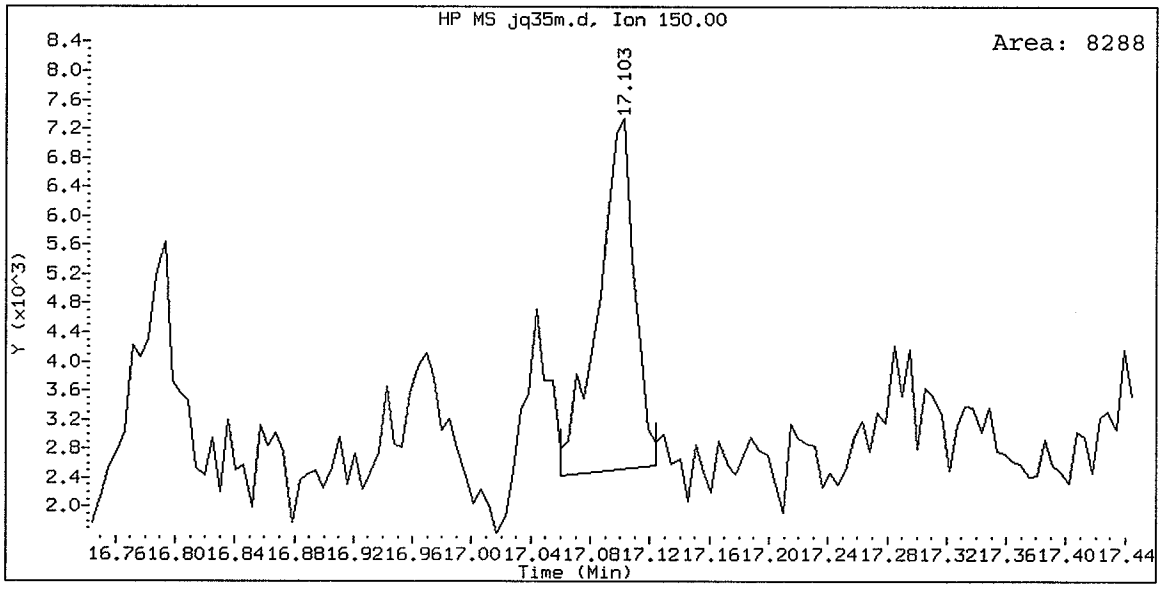




JQ35M, /chem1/nt6.i/20060807.b/jq35m.d
bis(2-Ethylhexyl)phthalate Amount: 2.32







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-06-B
SAMPLE

Lab Sample ID: JQ35N
LIMS ID: 06-12969
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 21:12
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 23.2%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	61.2%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35n.d
Lab Smp Id: JQ35N — Client Smp ID: T4-S3-06-B
Inj Date : 07-AUG-2006 21:12
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ35N
Misc Info : 06-12969
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 09-Aug-2006 11:13 jeff — Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 — Cal File: 0100719d.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/9/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	66.90000	Weight of sample extracted (g)
M	23.20000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.224	3.192	(0.604)	373777	19.2144	374.0
$ 2 Phenol-d5	99	5.142	5.115	(0.963)	510098	21.6413	421.2
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.062	5.056	(0.948)	399149	19.9715	388.7(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.339	5.340	(1.000)	263625	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.639	5.639	(1.056)	158577	12.3086	239.6
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.312	6.317	(0.854)	378784	15.2157	296.1
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.391	7.396	(1.000)	919585	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.212	9.213	(0.905)	552145	13.4022	260.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.174	10.180	(1.000)	551757	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	114925	21.6611	421.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.450	12.455	(1.000)	858875	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	Compound Not Detected.					
64 Fluoranthene	202	14.346	14.352	(1.152)	70675	1.25374	24.40
65 Pyrene	202	14.672	14.672	(0.883)	65520	0.96845LDL	18.85
$ 66 Terphenyl-d14	244	15.094	15.094	(0.908)	652272	15.3355	298.5
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.601	16.601	(0.999)	48468	0.79914LDL	15.55
* 69 Chrysene-d12	240	16.617	16.622	(1.000)	803173	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.654	16.660	(1.002)	48992	0.81287LDL	15.82
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	18.006	18.011	(1.000)	1184095	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.193	18.203	(0.973)	38378	0.68620LDL	13.36(M)
75 Benzo(k)fluoranthene	252	18.203	18.236	(0.973)	63358	1.09552	21.32(M)
76 Benzo(a)pyrene	252	18.609	18.615	(0.995)	48449	0.90003LDL	17.52
* 77 Perylene-d12	264	18.700	18.695	(1.000)	851889	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.009	20.009	(1.070)	38710	0.59110LDL	11.50
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	20.281	20.292	(1.085)	34617	0.50481	9.825(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35n.d
Lab Smp Id: JQ35N
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12969

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-06-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	263625	-17.36
27 Naphthalene-d8	1113586	556793	2227172	919585	-17.42
42 Acenaphthene-d10	652908	326454	1305816	551757	-15.49
59 Phenanthrene-d10	1012561	506280	2025122	858875	-15.18
69 Chrysene-d12	948800	474400	1897600	803173	-15.35
134 Di-n-octylphthala	1381183	690592	2762366	1184095	-14.27
77 Perylene-d12	760208	380104	1520416	851889	12.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	0.00
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.07
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.05
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	-0.04
69 Chrysene-d12	16.62	16.12	17.12	16.62	-0.03
134 Di-n-octylphthala	18.01	17.51	18.51	18.01	-0.03
77 Perylene-d12	18.69	18.19	19.19	18.70	0.03

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35N
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12969

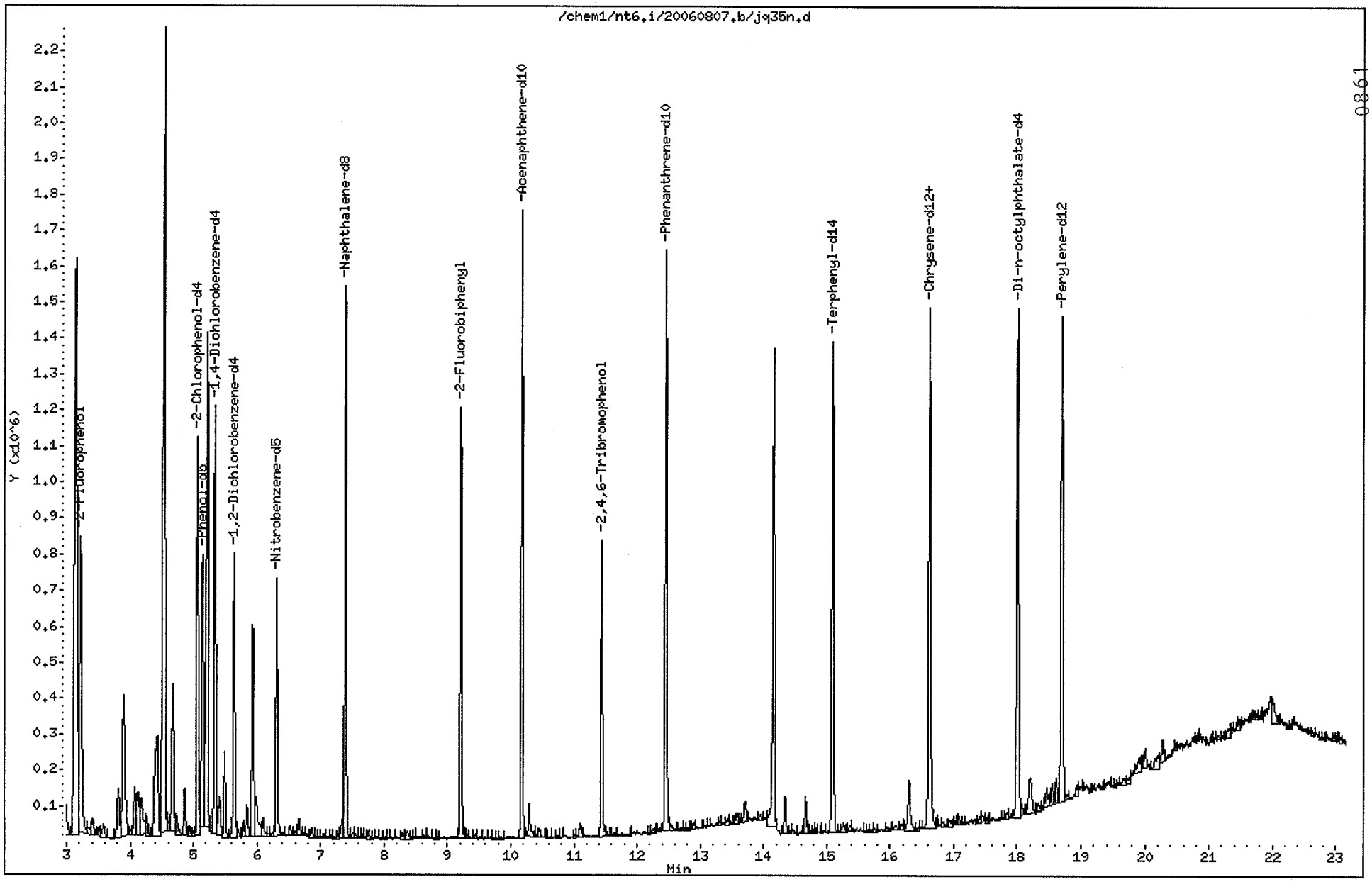
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-06-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	729.9	374.0	51.24	22-91
$ 2 Phenol-d5	729.9	421.2	57.71	26-99
$ 5 2-Chlorophenol-d4	729.9	388.7	53.26	29-96
$ 10 1,2-Dichlorobenzen	486.6	239.6	49.23	24-87
$ 18 Nitrobenzene-d5	486.6	296.1	60.86	27-101
$ 36 2-Fluorobiphenyl	486.6	260.8	53.61	30-100
$ 55 2,4,6-Tribromophen	729.9	421.6	57.76	20-114
$ 66 Terphenyl-d14	486.6	298.5	61.34	12-120

Data File: /chem1/nt6.i/20060807.b/jq35n.d
Date : 07-AUG-2006 21:12
Client ID: T4-S3-06-B
Sample Info: JQ35N
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0861

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-B
SAMPLE

Lab Sample ID: JQ35O
LIMS ID: 06-12970
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 21:43
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.5 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 29.9%
pH: 6.9

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	59	< 59 U
84-66-2	Diethylphthalate	59	< 59 U
84-74-2	Di-n-Butylphthalate	59	< 59 U
85-68-7	Butylbenzylphthalate	59	< 59 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**200 B**
117-84-0	Di-n-Octyl phthalate	59	< 59 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	39.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35odl.d
Lab Smp Id: JQ35O
Client Smp ID: T4-S3-08-B
Inj Date : 07-AUG-2006 21:43
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35O,3
Misc Info : 06-12970
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
LJR 8/9/06
Meth Date : 09-Aug-2006 11:13 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 21
Dil Factor: 3.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	72.00000	Weight of sample extracted (g)
M	29.90000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	3.223	3.192	(0.604)	124511	5.84357	347.3
$ 2 Phenol-d5	99	5.125	5.115	(0.961)	168258	6.51721	387.4
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	5.061	5.056	(0.949)	133616	6.10365	362.8(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.334	5.340	(1.000)	288756	20.0000	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.633	5.639	(1.056)	52770	3.73947	222.3
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	6.007	5.997	(1.126)	20971	0.71536 LDL	42.52(M)
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.311	6.317	(0.854)	126382	4.77753	284.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.390	7.396	(1.000)	977180	20.0000	
	28 Naphthalene	128	7.417	7.423	(1.004)	52932	0.89104 LOL	52.96
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.207	9.213	(0.905)	184596	4.17563	248.2
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.174	10.180	(1.000)	592069	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	10.222	10.222	(1.005)	187069	4.92038	292.5
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	10.478	10.484	(1.030)	47307	0.90437 LOL	53.75(M)
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	11.012	11.018	(1.082)	83849	1.97602	117.5
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	33763	5.93038	352.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	956344	20.0000	
	60 Phenanthrene	178	12.487	12.487	(1.003)	1283571	20.1614	1198
	61 Anthracene	178	12.556	12.557	(1.008)	239316	3.74434	222.6
	62 Carbazole	167	12.893	12.893	(1.035)	165289	3.21257	191.0
	63 Di-n-butylphthalate	149	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
64 Fluoranthene	202	14.362	14.352	(1.153)	3395782	54.1000	3216
65 Pyrene	202	14.688	14.672	(0.883)	3252295	33.4677	1989(M)
$ 66 Terphenyl-d14	244	15.094	15.094	(0.907)	202954	3.32201	197.5
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.616	16.601	(0.999)	2673029	30.6833	1824
* 69 Chrysene-d12	240	16.632	16.622	(1.000)	1153655	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.680	16.660	(1.003)	2992454	34.5666	2055
72 bis(2-Ethylhexyl)phthalate	149	17.092	17.092	(0.949)	116184	3.27778 B	194.8(M)
* 134 Di-n-octylphthalate-d4	153	18.016	18.011	(1.000)	1403845	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.240	18.203	(0.974)	4149348	51.1143	3038(M)
75 Benzo(k)fluoranthene	252	18.251	18.236	(0.975)	3211883	38.2627	2274(M)
76 Benzo(a)pyrene	252	18.657	18.615	(0.996)	3882437	49.6904	2954
* 77 Perylene-d12	264	18.726	18.695	(1.000)	1236480	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.051	20.009	(1.071)	2635357	27.7252	1648
79 Dibenzo(a,h)anthracene	278	20.083	20.057	(1.072)	998488	10.6939	635.6
80 Benzo(g,h,i)perylene	276	20.334	20.292	(1.086)	2217087	22.2750	1324
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35odl.d
Lab Smp Id: JQ35O
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12970

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: T4-S3-08-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	288756	-9.48
27 Naphthalene-d8	1113586	556793	2227172	977180	-12.25
42 Acenaphthene-d10	652908	326454	1305816	592069	-9.32
59 Phenanthrene-d10	1012561	506280	2025122	956344	-5.55
69 Chrysene-d12	948800	474400	1897600	1153655	21.59
134 Di-n-octylphthala	1381183	690592	2762366	1403845	1.64
77 Perylene-d12	760208	380104	1520416	1236480	62.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.33	-0.11
27 Naphthalene-d8	7.40	6.90	7.90	7.39	-0.08
42 Acenaphthene-d10	10.18	9.68	10.68	10.17	-0.06
59 Phenanthrene-d10	12.46	11.96	12.96	12.45	-0.01
69 Chrysene-d12	16.62	16.12	17.12	16.63	0.06
134 Di-n-octylphthala	18.01	17.51	18.51	18.02	0.03
77 Perylene-d12	18.69	18.19	19.19	18.73	0.17

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.

Analytical Resources, Inc.

RECOVERY REPORT

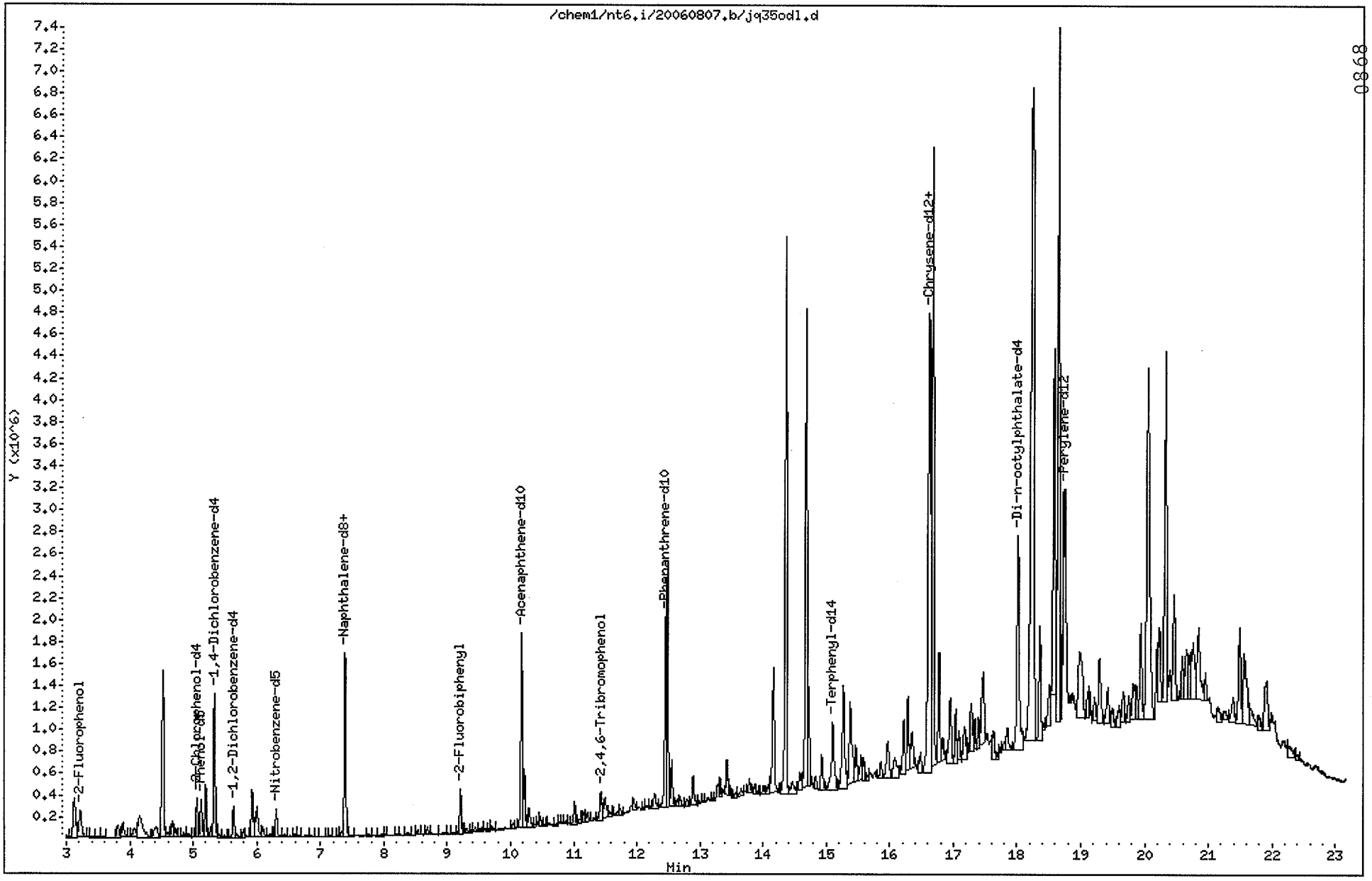
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35O
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12970

Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.0	347.3	46.75	22-91
$ 2 Phenol-d5	743.0	387.4	52.14	26-99
$ 5 2-Chlorophenol-d4	743.0	362.8	48.83	29-96
$ 10 1,2-Dichlorobenzen	495.3	222.3	44.87	24-87
$ 18 Nitrobenzene-d5	495.3	284.0	57.33	27-101
$ 36 2-Fluorobiphenyl	495.3	248.2	50.11	30-100
$ 55 2,4,6-Tribromophen	743.0	352.5	47.44	20-114
$ 66 Terphenyl-d14	495.3	197.5	39.86	12-120

Data File: /chem1/nt6.i/20060807.b/jq35odl.d
Date : 07-AUG-2006 21:43
Client ID: T4-S3-08-B
Sample Info: JQ350,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i
Operator: LJR
Column diameter: 0.32



0868

Data File: /chem1/nt6.i/20060807.b/jq35odl.d

Date : 07-AUG-2006 21:43

Client ID: T4-S3-08-B

Instrument: nt6.i

Sample Info: JQ350,3

Volume Injected (uL): 1.0

Operator: LJR

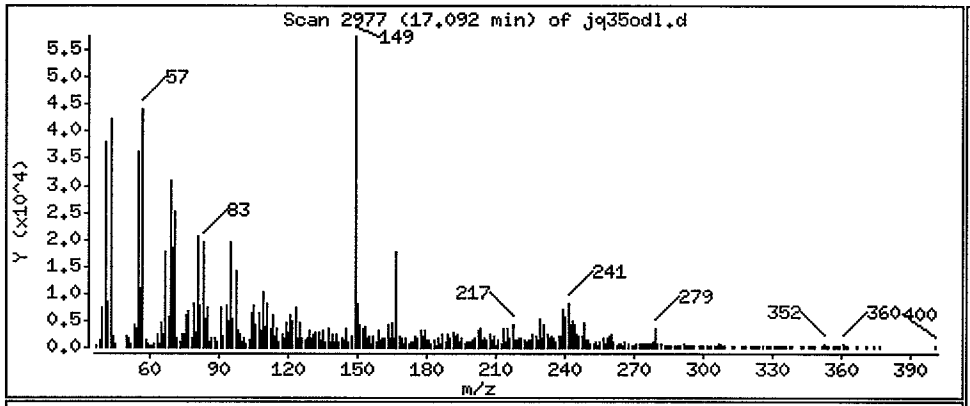
Column phase: ZB-5

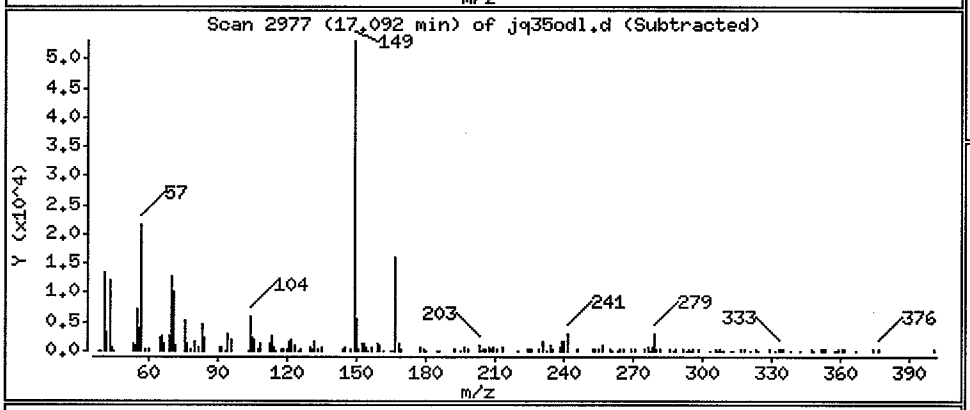
Column diameter: 0.32

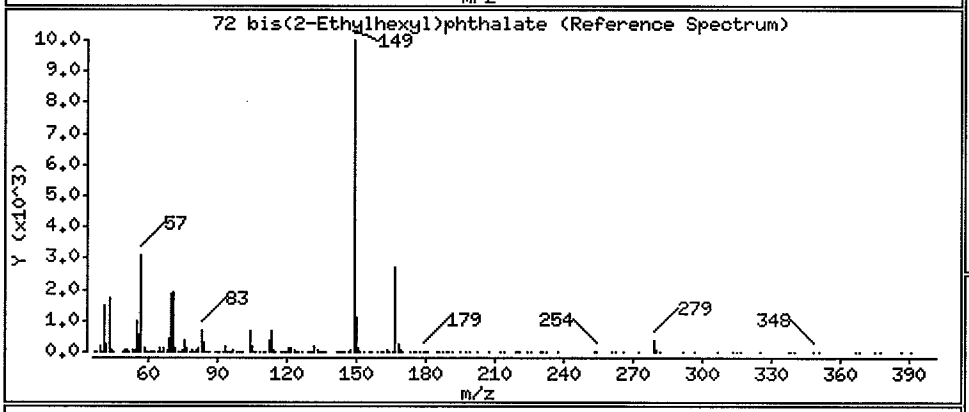
B

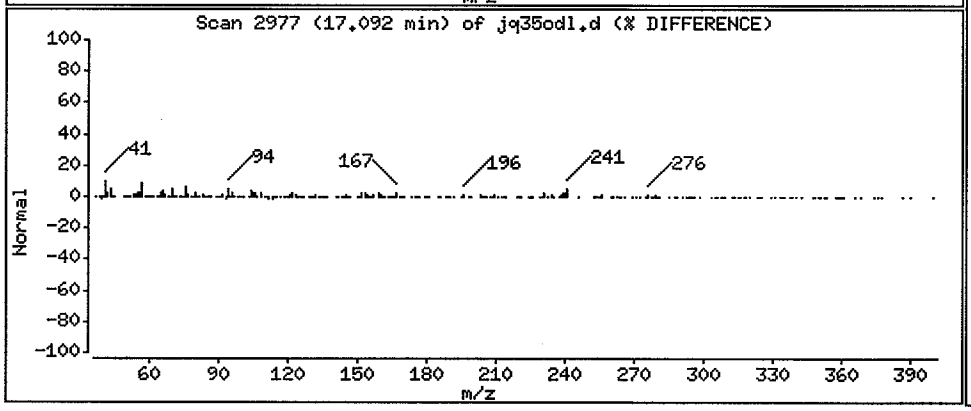
72 bis(2-Ethylhexyl)phthalate

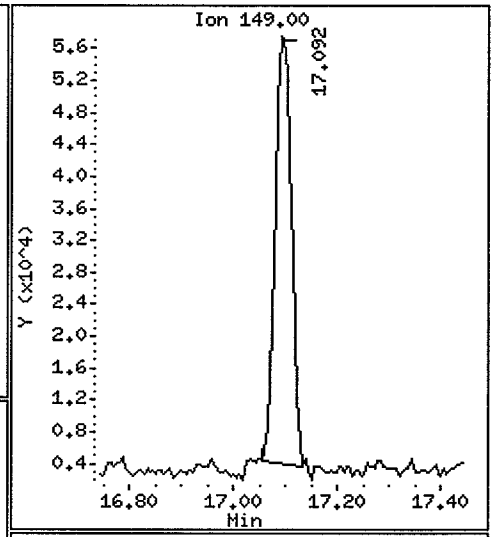
Concentration: 194.8 ug/kg

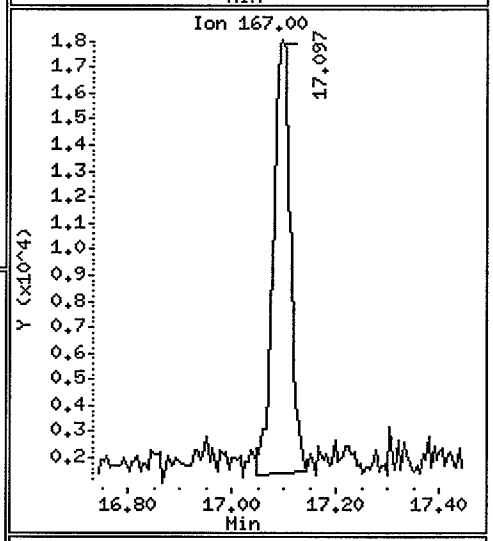


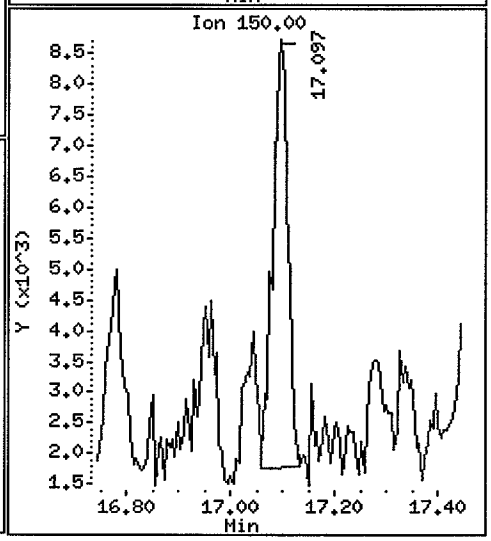






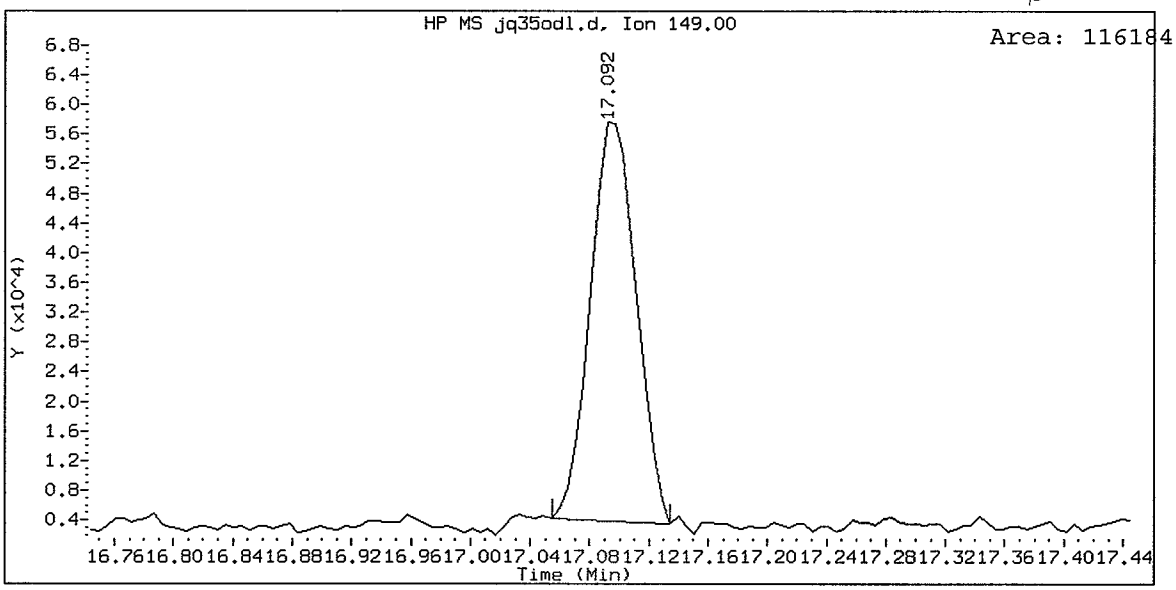


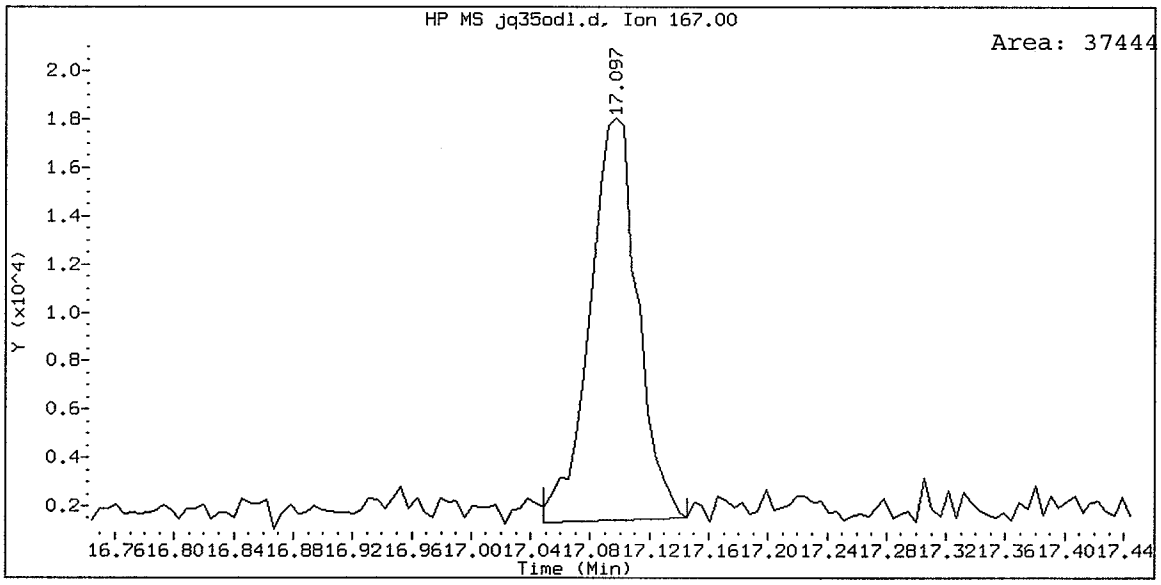


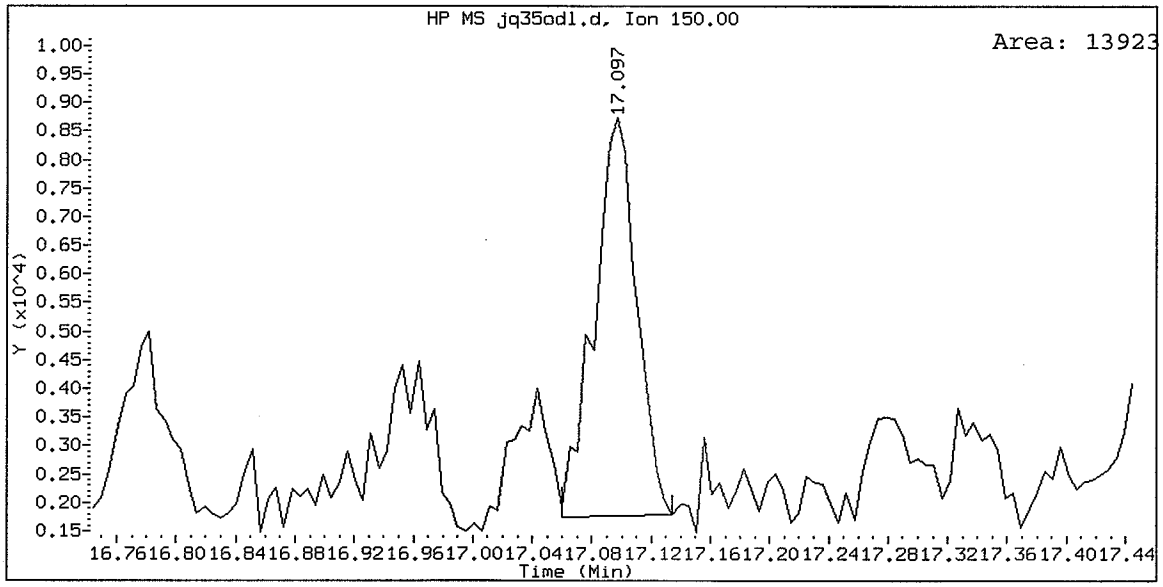


JQ35O, /chem1/nt6.i/20060807.b/jq35odl.d
bis(2-Ethylhexyl)phthalate Amount: 3.28

8







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-08-C
SAMPLE

Lab Sample ID: JQ35P
LIMS ID: 06-12971
Matrix: Sediment
Data Release Authorized:
Reported: 08/11/06

QC Report No: JQ35-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Date Extracted: 07/31/06
Date Analyzed: 08/08/06 19:50
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 16.7%
pH: 6.0

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	58	< 58 U
84-66-2	Diethylphthalate	58	< 58 U
84-74-2	Di-n-Butylphthalate	58	< 58 U
85-68-7	Butylbenzylphthalate	58	< 58 U
117-81-7	bis(2-Ethylhexyl)phthalate	58	< 58 U
117-84-0	Di-n-Octyl phthalate	58	< 58 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	59.3%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/jq35pdl.d
Lab Smp Id: JQ35P
Client Smp ID: T4-S3-08-C
Inj Date : 08-AUG-2006 19:50
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ35P,3
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 13:41 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 13
Dil Factor: 3.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/10/06

Concentration Formula: Amt * DF * Vt/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	~~1000.00000~~	Volume of final extract (uL)
Ws	61.60000	Weight of sample extracted (g)
M	16.70000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	2.967	2.956	(0.573)	129850	6.73~~824~~	394.0
$ 2 Phenol-d5	99	4.981	4.965	(0.962)	179627	7.69~~293~~	449.8
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	4.896	4.896	(0.945)	145135	7.33~~056~~	428.6(M)
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	5.179	5.179	(1.000)	261154	20.~~0000~~	(M)
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.058)	60170	4.71~~451~~	275.6(M)
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	6.162	6.167	(0.851)	139390	5.81805	340.2
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	7.241	7.246	(1.000)	885007	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	29 4-Chloroaniline	127	Compound Not Detected.					
	30 Hexachlorobutadiene	225	Compound Not Detected.					
	31 4-Chloro-3-methylphenol	107	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	9.063	9.068	(0.904)	198179	5.26916	308.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	10.024	10.024	(1.000)	503719	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	Compound Not Detected.					
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	11.280	11.290	(1.125)	40109	8.28071	484.1
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	12.289	12.294	(1.000)	788702	20.0000	
	60 Phenanthrene	178	12.321	12.327	(1.003)	88221	1.68025	98.24
	61 Anthracene	178	Compound Not Detected.					
	62 Carbazole	167	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	Compound Not Detected.					
64 Fluoranthene	202	14.175	14.180	(1.153)	236141	4.56173	266.7
65 Pyrene	202	14.495	14.501	(0.882)	223810	3.03535	177.5
$ 66 Terphenyl-d14	244	14.923	14.934	(0.908)	229086	4.94192	288.9
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	16.419	16.424	(0.999)	182318	2.75818	161.3
* 69 Chrysene-d12	240	16.440	16.445	(1.000)	875351	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	16.472	16.483	(1.002)	194194	2.95637	172.8
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	17.840	17.850	(1.000)	1346798	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	18.016	18.021	(0.973)	202094	3.11831	182.3(M)
75 Benzo(k)fluoranthene	252	18.016	18.048	(0.973)	227743	3.39832	198.7(M)
76 Benzo(a)pyrene	252	18.422	18.427	(0.995)	218131	3.49694	204.4
* 77 Perylene-d12	264	18.507	18.507	(1.000)	987151	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	19.811	19.827	(1.070)	162510	2.14151	125.2
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	20.083	20.099	(1.085)	154968	1.95021	114.0
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq35pdl.d
Lab Smp Id: JQ35P
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12971

Calibration Date: 08-AUG-2006
Calibration Time: 13:13
Client Smp ID: T4-S3-08-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	261154	-8.24
27 Naphthalene-d8	977404	488702	1954808	885007	-9.45
42 Acenaphthene-d10	544393	272196	1088786	503719	-7.47
59 Phenanthrene-d10	824403	412202	1648806	788702	-4.33
69 Chrysene-d12	813838	406919	1627676	875351	7.56
134 Di-n-octylphthala	1238353	619176	2476706	1346798	8.76
77 Perylene-d12	837816	418908	1675632	987151	17.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	0.00
27 Naphthalene-d8	7.25	6.75	7.75	7.24	-0.07
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	0.00
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	-0.04
69 Chrysene-d12	16.45	15.95	16.95	16.44	-0.03
134 Di-n-octylphthala	17.85	17.35	18.35	17.84	-0.06
77 Perylene-d12	18.51	18.01	19.01	18.51	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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ35P
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info: 06-12971

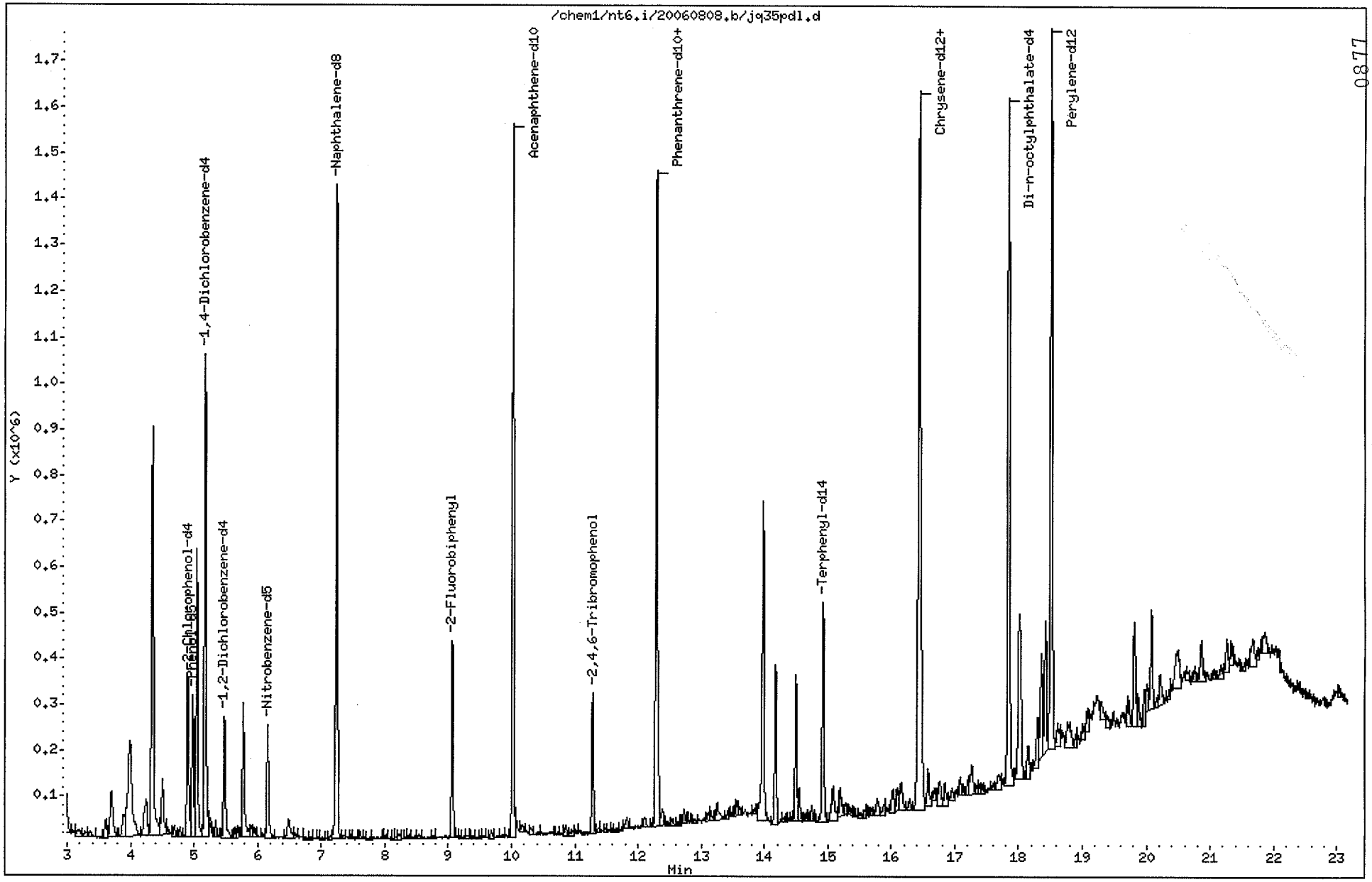
Client SDG: JQ35
Fraction: SV
Client Smp ID: T4-S3-08-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	730.8	394.0	53.91	22-91
$ 2 Phenol-d5	730.8	449.8	61.54	26-99
$ 5 2-Chlorophenol-d4	730.8	428.6	58.64	29-96
$ 10 1,2-Dichlorobenzen	487.2	275.6	56.57	24-87
$ 18 Nitrobenzene-d5	487.2	340.2	69.82	27-101
$ 36 2-Fluorobiphenyl	487.2	308.1	63.23	30-100
$ 55 2,4,6-Tribromophen	730.8	484.1	66.25	20-114
$ 66 Terphenyl-d14	487.2	288.9	59.30	12-120

Data File: /chem1/nt6.i/20060808.b/jq35pd1.d
Date : 08-AUG-2006 19:50
Client ID: T4-S3-08-C
Sample Info: JQ35P,3
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



Semivolatile Organics
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ35

prepared
by

Analytical Resources, Inc.

6B

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
Phenol	2.255	2.277	2.271	2.120	2.173	2.273	2.228	3.0	*
Bis(2-Chloroethyl)ether	1.530	1.673	1.711	1.623	1.660	1.748	1.658	4.6	
2-Chlorophenol	1.509	1.585	1.522	1.467	1.522	1.594	1.533	3.1	
1,3-Dichlorobenzene	1.689	1.660	1.723	1.606	1.619	1.703	1.667	2.8	
1,4-Dichlorobenzene	1.726	1.748	1.763	1.641	1.663	1.734	1.712	2.9	*
1,2-Dichlorobenzene	1.557	1.648	1.717	1.605	1.626	1.725	1.646	4.0	
Benzyl alcohol	0.970	1.050	1.122	1.045	1.067	1.115	1.062	5.2	
2,2'-oxybis(1-Chloropropane)	1.966	2.065	2.128	1.997	1.965	2.062	2.030	3.2	
2-Methylphenol	1.374	1.505	1.485	1.434	1.475	1.524	1.466	3.7	
Hexachloroethane	0.643	0.736	0.775	0.725	0.726	0.744	0.725	6.1	
N-Nitroso-di-n-propylamine	1.358	1.439	1.536	1.359	1.359	1.368	1.403	5.1	~
4-Methylphenol	1.527	1.535	1.499	1.447	1.501	1.564	1.512	2.7	
Nitrobenzene	0.581	0.625	0.639	0.581	0.576	0.565	0.594	5.0	
Isophorone	0.923	0.980	0.990	0.915	0.897	0.888	0.932	4.6	
2-Nitrophenol		0.215	0.217	0.213	0.221	0.227	0.219	2.6	*
2,4-Dimethylphenol	0.454	0.477	0.474	0.436	0.451	0.444	0.456	3.6	
Bis(2-Chloroethoxy)methane	0.525	0.520	0.540	0.509	0.508	0.514	0.519	2.3	
2,4-Dichlorophenol		0.335	0.335	0.320	0.333	0.342	0.333	2.4	*
1,2,4-Trichlorobenzene	0.397	0.384	0.394	0.370	0.368	0.392	0.384	3.2	
Naphthalene	1.250	1.233	1.249	1.185	1.193	1.184	1.216	2.6	
Benzoic acid		0.157	0.222	0.245	0.270	0.309	0.241	23.6	
4-Chloroaniline		0.494	0.498	0.479	0.483	0.498	0.490	1.8	
Hexachlorobutadiene	0.234	0.244	0.252	0.235	0.237	0.245	0.241	3.0	*
4-Chloro-3-methylphenol		0.378	0.384	0.369	0.376	0.374	0.376	1.4	*
2-Methylnaphthalene	0.675	0.665	0.680	0.631	0.640	0.654	0.658	3.0	
Hexachlorocyclopentadiene		0.161	0.220	0.281	0.301	0.371	0.267	29.9	~
2,4,6-Trichlorophenol		0.437	0.436	0.426	0.447	0.482	0.446	4.8	*
2,4,5-Trichlorophenol		0.431	0.442	0.461	0.484	0.497	0.463	6.0	
2-Chloronaphthalene	1.306	1.332	1.350	1.268	1.275	1.340	1.312	2.6	
2-Nitroaniline		0.571	0.560	0.506	0.522	0.517	0.535	5.4	
Acenaphthylene	1.942	2.038	2.104	1.999	2.034	2.053	2.028	2.7	
Dimethylphthalate	1.363	1.419	1.448	1.355	1.373	1.396	1.392	2.6	
2,6-Dinitrotoluene		0.316	0.321	0.313	0.308	0.328	0.317	2.5	
Acenaphthene	1.233	1.316	1.328	1.253	1.258	1.317	1.284	3.2	*
3-Nitroaniline		0.334	0.348	0.334	0.329	0.351	0.339	2.8	
2,4-Dinitrophenol		0.010	0.038	0.048	0.084	0.127	0.061	73.4	~
Dibenzofuran	1.809	1.813	1.806	1.707	1.704	1.762	1.767	2.9	

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-1

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
4-Nitrophenol		0.220	0.227	0.213	0.221	0.223	0.221	2.2	~
2,4-Dinitrotoluene		0.396	0.404	0.399	0.393	0.422	0.403	2.9	
Fluorene	1.387	1.451	1.461	1.413	1.416	1.472	1.433	2.3	
4-Chlorophenyl-phenylether	0.740	0.746	0.774	0.722	0.740	0.797	0.753	3.6	
Diethylphthalate	1.353	1.384	1.381	1.288	1.317	1.345	1.345	2.8	
4-Nitroaniline		0.302	0.297	0.293	0.292	0.304	0.298	1.8	
4,6-Dinitro-2-methylphenol		0.057	0.108	0.112	0.140	0.165	0.116	34.6	
N-Nitrosodiphenylamine (1)	0.665	0.693	0.714	0.672	0.670	0.708	0.687	3.0	
4-Bromophenyl-phenylether	0.276	0.280	0.285	0.278	0.276	0.290	0.281	2.1	
Hexachlorobenzene	0.300	0.292	0.297	0.288	0.288	0.300	0.294	1.8	
Pentachlorophenol		0.126	0.147	0.169	0.171	0.188	0.160	15.1	*
Phenanthrene	1.319	1.379	1.374	1.311	1.296	1.309	1.331	2.7	
Anthracene	1.328	1.340	1.380	1.326	1.311	1.335	1.337	1.8	
Carbazole	1.084	1.100	1.127	1.051	1.036	1.057	1.076	3.2	
Di-n-butylphthalate	1.175	1.328	1.347	1.297	1.291	1.295	1.289	4.7	
Fluoranthene	1.258	1.326	1.334	1.321	1.295	1.341	1.312	2.4	*
Pyrene	1.761	1.761	1.780	1.611	1.624	1.570	1.684	5.5	
Butylbenzylphthalate	0.578	0.659	0.668	0.623	0.618	0.605	0.625	5.4	
Benzo(a)anthracene	1.545	1.559	1.576	1.469	1.450	1.463	1.510	3.7	
3,3'-Dichlorobenzidine		0.561	0.562	0.540	0.522	0.538	0.545	3.1	
Chrysene	1.541	1.512	1.542	1.460	1.477	1.473	1.501	2.4	
bis(2-Ethylhexyl)phthalate	0.436	0.502	0.539	0.517	0.514	0.522	0.505	7.1	
Di-n-octylphthalate	1.005	1.002	0.998	0.934	0.902	0.890	0.955	5.5	*
Benzo(b)fluoranthene	1.189	1.274	1.317	1.342	1.306	1.450	1.313	6.5	
Benzo(k)fluoranthene	1.286	1.392	1.448	1.340	1.417	1.262	1.358	5.5	
Benzo(a)pyrene	1.192	1.265	1.269	1.262	1.292	1.302	1.264	3.0	*
Indeno(1,2,3-cd)pyrene	1.555	1.398	1.532	1.522	1.639	1.580	1.538	5.2	
Dibenzo(a,h)anthracene	1.343	1.433	1.568	1.538	1.614	1.566	1.510	6.8	
Benzo(g,h,i)perylene	1.480	1.554	1.700	1.622	1.703	1.600	1.610	5.3	
N-Nitrosodimethylamine		1.096	1.142	1.068	1.028	1.060	1.079	4.0	
Aniline		2.775	2.644	2.590	2.536	2.607	2.630	3.4	
Benzidine		0.857	0.470	0.590	0.501	0.478	0.579	28.0	
Pyridine		2.244	2.301	2.154	2.126	2.227	2.210	3.2	
1-methylnaphthalene	0.676	0.692	0.711	0.677	0.676	0.691	0.687	2.0	
Azobenzene (1,2-DP-Hydrazine	1.800	2.077	2.050	1.938	1.965	1.912	1.957	5.1	
2-Fluorophenol		1.481	1.485	1.450	1.458	1.506	1.476	1.5	

(1) Cannot be seperated from Diphenylamine
* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-2

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Calibration Date: 07/05/06

LAB FILE ID: RRF1 =0010705 RRF5 =0050705 RRF10 =0100705
RRF25 =0250705 RRF40 =0400705 RRF80 =0800705

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2
Phenol-d5		1.795	1.842	1.723	1.759	1.821	1.788	2.7
2-Chlorophenol-d4		1.502	1.494	1.456	1.508	1.622	1.516	4.1
1,2-Dichlorobenzene-d4		0.997	0.990	0.929	0.953	1.018	0.977	3.6
Nitrobenzene-d5		0.562	0.573	0.516	0.532	0.524	0.541	4.6
2-Fluorobiphenyl		1.508	1.530	1.413	1.493	1.521	1.493	3.1
2,4,6-Tribromophenol		0.186	0.185	0.190	0.193	0.208	0.192	4.8
Terphenyl-d14		1.106	1.114	1.015	1.038	1.022	1.059	4.5

* Compounds with maximum %RSD = 30%
~ Compounds with minimum average RRF = .05
<- Outside QC limits

FORM VI SV-3

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20060705.b/0010705.d
Level 2: /chem1/nt6.i/20060705.b/0050705.d
Level 3: /chem1/nt6.i/20060705.b/0100705.d
Level 4: /chem1/nt6.i/20060705.b/0250705.d
Level 5: /chem1/nt6.i/20060705.b/0400705.d
Level 6: /chem1/nt6.i/20060705.b/0800705.d

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
133 Butylatedhydroxytoluene	1.16633	1.20526	1.02174	1.11736	1.12487	1.15714	1.13212	5.530	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
144 alpha-Terpineol	0.36532	0.38065	0.37463	0.35370	0.36305	0.35783	0.36586	2.777	
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
143 1,4-Dioxane	0.74741	0.73752	0.74671	0.74954	0.74141	0.78792	0.75175	2.429	
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
118 Triphenyl Phosphate	0.24682	0.25114	0.24027	0.22986	0.22666	0.23704	0.23863	3.971	
117 Butyl Diphenyl Phosphate	0.27496	0.29049	0.31577	0.27863	0.28837	0.27868	0.28782	5.205	
116 Dibutyl Phenyl Phosphate	0.67735	0.78317	0.81427	0.78007	0.80424	0.82974	0.78147	6.955	
115 Tributyl Phosphate	0.89945	1.02971	1.07968	0.99454	1.00995	1.01361	1.00449	5.896	
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.79952	2.07689	2.05033	1.93763	1.96508	1.91169	1.95685	5.129	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
105 1-methylnaphthalene	0.67657	0.69191	0.71130	0.67740	0.67592	0.69141	0.68742	2.012	
3 Phenol	2.25530	2.27726	2.27082	2.11981	2.17335	2.27271	2.22821	2.956	
4 Bis(2-Chloroethyl)ether	1.53058	1.67293	1.71143	1.62346	1.66054	1.74847	1.65790	4.570	
6 2-Chlorophenol	1.50896	1.58481	1.52204	1.46702	1.52205	1.59411	1.53316	3.140	
7 1,3-Dichlorobenzene	1.68891	1.66046	1.72301	1.60566	1.61871	1.70287	1.66660	2.819	
9 1,4-Dichlorobenzene	1.72648	1.74775	1.76293	1.64083	1.66312	1.73456	1.71261	2.866	
11 Benzyl alcohol	0.97050	1.05059	1.12196	1.04466	1.06713	1.11469	1.06159	5.194	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD
12 1,2-Dichlorobenzene	1.55681	1.64839	1.71742	1.60531	1.62642	1.72475	1.64652	3.964
13 2-Methylphenol	1.37375	1.50484	1.48513	1.43398	1.47462	1.52422	1.46609	3.720
14 2,2'-oxybis(1-Chloropropane)	1.96563	2.06493	2.12824	1.99677	1.96511	2.06206	2.03046	3.219
15 4-Methylphenol	1.52662	1.53482	1.49867	1.44664	1.50077	1.56449	1.51200	2.656
16 N-Nitroso-di-n-propylamine	1.35780	1.43944	1.53558	1.35913	1.35937	1.36775	1.40318	5.141
17 Hexachloroethane	0.64326	0.73563	0.77492	0.72506	0.72658	0.74450	0.72499	6.066
19 Nitrobenzene	0.58089	0.62470	0.63869	0.58104	0.57576	0.56550	0.59443	5.004
20 Isophorone	0.92284	0.98024	0.99025	0.91531	0.89727	0.88794	0.93231	4.608
21 2-Nitrophenol	+++++	0.21505	0.21725	0.21297	0.22080	0.22732	0.21868	2.577
22 2,4-Dimethylphenol	0.45375	0.47734	0.47429	0.43646	0.45110	0.44395	0.45615	3.597
23 Bis(2-Chloroethoxy)methane	0.52502	0.52050	0.53992	0.50927	0.50792	0.51374	0.51940	2.311
24 Benzoic acid	+++++	0.15695	0.22217	0.24538	0.27010	0.30918	0.24076	23.619
25 2,4-Dichlorophenol	+++++	0.33496	0.33543	0.32021	0.33310	0.34171	0.33308	2.370
26 1,2,4-Trichlorobenzene	0.39669	0.38433	0.39350	0.37044	0.36770	0.39229	0.38416	3.229
28 Naphthalene	1.25015	1.23334	1.24943	1.18525	1.19316	1.18372	1.21584	2.625
29 4-Chloroaniline	+++++	0.49377	0.49803	0.47891	0.48347	0.49763	0.49036	1.771
30 Hexachlorobutadiene	0.23368	0.24451	0.25213	0.23530	0.23702	0.24550	0.24135	2.974
31 4-Chloro-3-methylphenol	+++++	0.37793	0.38416	0.36921	0.37576	0.37439	0.37629	1.447
32 2-Methylnaphthalene	0.67502	0.66502	0.68021	0.63117	0.63990	0.65426	0.65760	2.959
33 Hexachlorocyclopentadiene	+++++	0.16125	0.22054	0.28109	0.30107	0.37094	0.26698	29.908
34 2,4,6-Trichlorophenol	+++++	0.43662	0.43554	0.42654	0.44685	0.48175	0.44546	4.833
35 2,4,5-Trichlorophenol	+++++	0.43097	0.44198	0.46083	0.48389	0.49706	0.46295	5.984
37 2-Chloronaphthalene	1.30570	1.33178	1.35045	1.26801	1.27507	1.34032	1.31189	2.643
38 2-Nitroaniline	+++++	0.57131	0.56002	0.50571	0.52256	0.51673	0.53527	5.359
39 Dimethylphthalate	1.36278	1.41881	1.44777	1.35476	1.37275	1.39632	1.39220	2.582
40 Acenaphthylene	1.94201	2.03849	2.10399	1.99917	2.03423	2.05285	2.02846	2.679
41 2,6-Dinitrotoluene	+++++	0.31591	0.32150	0.31301	0.30813	0.32836	0.31738	2.463
43 3-Nitroaniline	+++++	0.33449	0.34765	0.33423	0.32898	0.35074	0.33922	2.781
44 Acenaphthene	1.23341	1.31583	1.32773	1.25303	1.25830	1.31740	1.28428	3.157

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD
45 2,4-Dinitrophenol	+++++	0.01037	0.03824	0.04791	0.08435	0.12713	0.06160	73.364 <-
46 Dibenzofuran	1.80919	1.81339	1.80643	1.70690	1.70361	1.76251	1.76701	2.901
47 4-Nitrophenol	+++++	0.21998	0.22667	0.21342	0.22101	0.22265	0.22075	2.185
48 2,4-Dinitrotoluene	+++++	0.39572	0.40352	0.39864	0.39334	0.42213	0.40267	2.861
49 Fluorene	1.38670	1.45091	1.46097	1.41335	1.41600	1.47238	1.43339	2.308
50 Diethylphthalate	1.35277	1.38412	1.38141	1.28793	1.31688	1.34497	1.34468	2.775
51 4-Chlorophenyl-phenylether	0.73959	0.74560	0.77400	0.72186	0.74014	0.79668	0.75298	3.622
52 4-Nitroaniline	+++++	0.30249	0.29684	0.29282	0.29252	0.30414	0.29776	1.806
53 4,6-Dinitro-2-methylphenol	+++++	0.05725	0.10820	0.11162	0.14003	0.16468	0.11636	34.586
54 N-Nitrosodiphenylamine	0.66522	0.69311	0.71373	0.67160	0.67020	0.70764	0.68692	3.034
56 4-Bromophenyl-phenylether	0.27552	0.27952	0.28500	0.27832	0.27578	0.29027	0.28074	2.065
57 Hexachlorobenzene	0.29956	0.29231	0.29736	0.28808	0.28822	0.29979	0.29422	1.841
58 Pentachlorophenol	+++++	0.12553	0.14743	0.16906	0.17128	0.18793	0.16025	15.078
60 Phenanthrene	1.31938	1.37941	1.37371	1.31103	1.29590	1.30910	1.33142	2.690
61 Anthracene	1.32801	1.33977	1.38051	1.32561	1.31114	1.33475	1.33663	1.766
62 Carbazole	1.08376	1.10045	1.12734	1.05123	1.03588	1.05726	1.07599	3.184
63 Di-n-butylphthalate	1.17502	1.32792	1.34747	1.29713	1.29064	1.29488	1.28884	4.659
64 Fluoranthene	1.25845	1.32641	1.33412	1.32139	1.29477	1.34093	1.31268	2.357
65 Pyrene	1.76121	1.76140	1.78002	1.61136	1.62434	1.56976	1.68468	5.508
67 Butylbenzylphthalate	0.57812	0.65870	0.66806	0.62279	0.61798	0.60505	0.62512	5.373
68 Benzo(a)anthracene	1.54475	1.55908	1.57590	1.46893	1.44966	1.46332	1.51027	3.683
70 3,3'-Dichlorobenzidine	+++++	0.56132	0.56182	0.54004	0.52164	0.53843	0.54465	3.129
71 Chrysene	1.54130	1.51191	1.54166	1.45973	1.47693	1.47332	1.50081	2.392
72 bis(2-Ethylhexyl)phthalate	0.43602	0.50254	0.53885	0.51674	0.51424	0.52150	0.50498	7.088
73 Di-n-octylphthalate	1.00491	1.00188	0.99837	0.93457	0.90207	0.88982	0.95527	5.547
74 Benzo(b)fluoranthene	1.18894	1.27429	1.31729	1.34217	1.30593	1.44966	1.31305	6.505
75 Benzo(k)fluoranthene	1.28646	1.39242	1.44808	1.34014	1.41730	1.26224	1.35777	5.454
76 Benzo(a)pyrene	1.19231	1.26536	1.26935	1.26184	1.29157	1.30231	1.26379	3.045
78 Indeno(1,2,3-cd)pyrene	1.55462	1.39752	1.53205	1.52154	1.63883	1.58026	1.53747	5.225

BB 7/5/06

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
End Cal Date : 05-JUL-2006 12:49
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	RRF	% RSD	
79 Dibenzo(a,h)anthracene	1.34297	1.43280	1.56768	1.53758	1.61458	1.56591	1.51025	6.753	
80 Benzo(g,h,i)perylene	1.48010	1.55420	1.70000	1.62187	1.70337	1.60005	1.60993	5.347	
90 N-Nitrosodimethylamine	+++++	1.09652	1.14171	1.06853	1.02760	1.06053	1.07898	3.968	
91 Aniline	+++++	2.77542	2.64442	2.59048	2.53612	2.60727	2.63074	3.413	
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93 Benzidine	+++++	0.85703	0.46998	0.59003	0.50121	0.47815	0.57928	28.040	
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98 Retene	0.73683	0.75526	0.77150	0.70007	0.71262	0.70080	0.72951	4.092	
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Pyridine	+++++	2.24351	2.30132	2.15422	2.12573	2.22704	2.21036	3.196	
$ 1 2-Fluorophenol	+++++	1.48075	1.48462	1.45005	1.45801	1.50559	1.47580	1.503	
$ 137 d8-1,4-Dioxane	+++++	0.70062	0.71819	0.71555	0.70284	0.76299	0.72004	3.501	
$ 2 Phenol-d5	+++++	1.79546	1.84208	1.72334	1.75887	1.82119	1.78819	2.669	
$ 5 2-Chlorophenol-d4	+++++	1.50160	1.49365	1.45583	1.50840	1.62172	1.51624	4.114	
$ 10 1,2-Dichlorobenzene-d4	+++++	0.99673	0.98999	0.92921	0.95327	1.01784	0.97741	3.643	
$ 18 Nitrobenzene-d5	+++++	0.56202	0.57291	0.51647	0.53168	0.52403	0.54142	4.558	
$ 36 2-Fluorobiphenyl	+++++	1.50859	1.53041	1.41349	1.49344	1.52076	1.49334	3.129	
$ 55 2,4,6-Tribromophenol	+++++	0.18567	0.18521	0.19020	0.19282	0.20768	0.19232	4.762	
$ 66 Terphenyl-d14	+++++	1.10604	1.11388	1.01488	1.03847	1.02240	1.05913	4.462	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-JUL-2006 10:16
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060705.b/SW846.m
Cal Date : 05-Jul-2006 13:24 jeff
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	80.000 Level 6	___ RRF	% RSD	
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0010705.d
Lab Smp Id: ABN 1
Inj Date : 05-JUL-2006 11:17
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 1
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LTK 7/5/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	4.548	4.548	(0.703)	13368	1.00000	0.9697
$ 2 Phenol-d5	99	6.130	6.134	(0.947)	15266	1.00000	0.9139
3 Phenol	94	6.146	6.150	(0.950)	21068	1.00000	1.012(M)
$ 5 2-Chlorophenol-d4	132	6.188	6.188	(0.956)	13050	1.00000	0.9213(M)
4 Bis(2-Chloroethyl)ether	93	6.183	6.188	(0.955)	14298	1.00000	0.9232
6 2-Chlorophenol	128	6.204	6.209	(0.959)	14096	1.00000	0.9842
7 1,3-Dichlorobenzene	146	6.407	6.407	(0.990)	15777	1.00000	1.013
* 8 1,4-Dichlorobenzene-d4	152	6.472	6.476	(1.000)	186831	20.0000	
9 1,4-Dichlorobenzene	146	6.498	6.497	(1.004)	16128	1.00000	1.008
$ 10 1,2-Dichlorobenzene-d4	152	6.765	6.765	(1.045)	8481	1.00000	0.9289(M)
12 1,2-Dichlorobenzene	146	6.787	6.786	(1.049)	14543	1.00000	0.9455
11 Benzyl alcohol	108	6.787	6.791	(1.049)	9066	1.00000	0.9142
14 2,2'-oxybis(1-Chloropropane)	45	7.054	7.058	(1.090)	18362	1.00000	0.9681
13 2-Methylphenol	108	7.059	7.064	(1.091)	12833	1.00000	0.9370
17 Hexachloroethane	117	7.262	7.267	(1.122)	6009	1.00000	0.8873
16 N-Nitroso-di-n-propylamine	70	7.262	7.267	(1.122)	12684	1.00000	0.9677
15 4-Methylphenol	108	7.300	7.299	(1.128)	14261	1.00000	1.010
$ 18 Nitrobenzene-d5	82	7.396	7.400	(0.871)	16854	1.00000	0.9804
19 Nitrobenzene	77	7.428	7.427	(0.875)	18445	1.00000	0.9772
20 Isophorone	82	7.818	7.817	(0.921)	29303	1.00000	0.9898
21 2-Nitrophenol	139	7.946	7.945	(0.936)	6071	1.00000	0.8743
22 2,4-Dimethylphenol	107	8.117	8.116	(0.956)	14408	1.00000	0.9947
23 Bis(2-Chloroethoxy)methane	93	8.245	8.250	(0.971)	16671	1.00000	1.011
24 Benzoic acid	105	8.304	8.340	(0.978)	2173	5.00000	0.2842(M)
25 2,4-Dichlorophenol	162	8.341	8.340	(0.982)	9619	1.00000	0.9095
26 1,2,4-Trichlorobenzene	180	8.448	8.447	(0.995)	12596	1.00000	1.033
* 27 Naphthalene-d8	136	8.491	8.490	(1.000)	635059	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	8.518	8.522	(1.003)	39696	1.00000	1.028
29 4-Chloroaniline	127	8.694	8.698	(1.024)	14992	1.00000	0.9629
30 Hexachlorobutadiene	225	8.865	8.869	(1.044)	7420	1.00000	0.9682
31 4-Chloro-3-methylphenol	107	9.554	9.553	(1.125)	11546	1.00000	0.9663
32 2-Methylnaphthalene	141	9.634	9.639	(1.135)	21434	1.00000	1.027
33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.887)	873	1.00000	0.1850
34 2,4,6-Trichlorophenol	196	10.174	10.167	(0.899)	6486	1.00000	0.8236
35 2,4,5-Trichlorophenol	196	10.232	10.226	(0.905)	7894	1.00000	0.9645
$ 36 2-Fluorobiphenyl	172	10.297	10.296	(0.910)	26043	1.00000	0.9865
37 2-Chloronaphthalene	162	10.398	10.397	(0.919)	23083	1.00000	0.9953
38 2-Nitroaniline	65	10.649	10.654	(0.941)	8673	1.00000	0.9165
39 Dimethylphthalate	163	11.055	11.060	(0.977)	24092	1.00000	0.9789
40 Acenaphthylene	152	11.055	11.060	(0.977)	34332	1.00000	0.9574
41 2,6-Dinitrotoluene	165	11.130	11.134	(0.984)	4812	1.00000	0.8576
* 42 Acenaphthene-d10	164	11.312	11.316	(1.000)	353572	20.0000	
43 3-Nitroaniline	138	11.322	11.327	(1.001)	5426	1.00000	0.9048
44 Acenaphthene	153	11.360	11.364	(1.004)	21805	1.00000	0.9604
45 2,4-Dinitrophenol	184	Compound Not Detected.					
46 Dibenzofuran	168	11.621	11.626	(1.027)	31984	1.00000	1.024
47 4-Nitrophenol	109	11.723	11.701	(1.036)	1623	1.00000	0.4159
48 2,4-Dinitrotoluene	165	11.744	11.743	(1.038)	5895	1.00000	0.8281
50 Diethylphthalate	149	12.204	12.208	(1.079)	23915	1.00000	1.006
49 Fluorene	166	12.166	12.171	(1.076)	24515	1.00000	0.9674
51 4-Chlorophenyl-phenylether	204	12.236	12.230	(1.082)	13075	1.00000	0.9822
52 4-Nitroaniline	138	12.305	12.304	(1.088)	4509	1.00000	0.8566
53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
54 N-Nitrosodiphenylamine	169	12.439	12.443	(0.912)	17270	1.00000	0.9684
$ 55 2,4,6-Tribromophenol	330	12.594	12.593	(1.113)	2547	1.00000	0.7491
56 4-Bromophenyl-phenylether	248	12.994	12.993	(0.952)	7153	1.00000	0.9814
57 Hexachlorobenzene	284	13.187	13.180	(0.966)	7777	1.00000	1.018
58 Pentachlorophenol	266	13.539	13.496	(0.992)	155	1.00000	0.03726 ~~(M)~~
* 59 Phenanthrene-d10	188	13.646	13.645	(1.000)	519227	20.0000	
60 Phenanthrene	178	13.678	13.683	(1.002)	34253	1.00000	0.9910
61 Anthracene	178	13.748	13.752	(1.007)	34477	1.00000	0.9936
62 Carbazole	167	14.057	14.057	(1.030)	28136	1.00000	1.007
63 Di-n-butylphthalate	149	14.843	14.842	(1.088)	30505	1.00000	0.9117
64 Fluoranthene	202	15.585	15.584	(1.142)	32671	1.00000	0.9587
65 Pyrene	202	15.922	15.926	(0.890)	37240	1.00000	1.045
$ 66 Terphenyl-d14	244	16.296	16.300	(0.910)	23077	1.00000	1.030
67 Butylbenzylphthalate	149	17.220	17.219	(0.962)	12224	1.00000	0.9248
68 Benzo(a)anthracene	228	17.872	17.876	(0.998)	32663	1.00000	1.023
* 69 Chrysene-d12	240	17.898	17.898	(1.000)	422891	20.0000	
70 3,3'-Dichlorobenzidine	252	17.925	17.930	(1.001)	11491	1.00000	0.9978
71 Chrysene	228	17.930	17.935	(1.002)	32590	1.00000	1.027
72 bis(2-Ethylhexyl)phthalate	149	18.246	18.245	(0.952)	16430	1.00000	0.8634
* 134 Di-n-octylphthalate-d4	153	19.170	19.174	(1.000)	753636	20.0000	
73 Di-n-octylphthalate	149	19.181	19.180	(1.001)	37867	1.00000	1.052

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	19.501	19.506	(0.974)	33199	1.00000	0.9055
75 Benzo(k)fluoranthene	252	19.538	19.538	(0.976)	35922	1.00000	0.9475
76 Benzo(a)pyrene	252	19.939	19.938	(0.996)	33293	1.00000	0.9434
* 77 Perylene-d12	264	20.019	20.024	(1.000)	558463	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.355	21.359	(1.067)	43410	1.00000	1.011 (M)
79 Dibenzo(a,h)anthracene	278	21.387	21.391	(1.068)	37500	1.00000	0.8892 (M)
80 Benzo(g,h,i)perylene	276	21.638	21.648	(1.081)	41329	1.00000	0.9194 (M)
90 N-Nitrosodimethylamine	74	2.027	2.026	(0.313)	9807	1.00000	0.9730 (M)
103 Pyridine	79	2.027	2.010	(0.313)	18204	1.00000	0.8816 (M)
91 Aniline	93	6.044	6.049	(0.934)	24443	1.00000	0.9946
105 1-methylnaphthalene	141	9.800	9.799	(1.154)	21483	1.00000	0.9842
93 Benzidine	184	15.884	15.878	(0.887)	16576	1.00000	1.353
98 Retene	219	16.525	16.525	(0.923)	15580	1.00000	1.010
111 Azobenzene (1,2-DP-Hydrazine)	77	12.471	12.475	(1.102)	31813	1.00000	0.9196
144 alpha-Terpineol	59	8.587	8.592	(1.011)	11600	1.00000	0.9985
143 1,4-Dioxane	88	1.626	1.625	(0.251)	6982	1.00000	0.9942
$ 137 d8-1,4-Dioxane	96	1.600	1.593	(0.247)	6522	1.00000	0.9696
133 Butylatedhydroxytoluene	205	11.557	11.556	(1.022)	20619	1.00000	1.030
115 Tributyl Phosphate	99	12.599	12.603	(0.923)	23351	1.00000	0.8954
116 Dibutyl Phenyl Phosphate	175	14.292	14.297	(1.047)	17585	1.00000	0.8668
117 Butyl Diphenyl Phosphate	94	15.943	15.942	(0.891)	5814	1.00000	0.9553
118 Triphenyl Phosphate	326	17.508	17.513	(0.978)	5219	1.00000	1.034

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0010705.d
Lab Smp Id: ABN 1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	186831	-6.91
27 Naphthalene-d8	684917	342458	1369834	635059	-7.28
42 Acenaphthene-d10	379750	189875	759500	353572	-6.89
59 Phenanthrene-d10	559641	279820	1119282	519227	-7.22
69 Chrysene-d12	488455	244228	976910	422891	-13.42
134 Di-n-octylphthala	797584	398792	1595168	753636	-5.51
77 Perylene-d12	578815	289408	1157630	558463	-3.52

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	-0.02
27 Naphthalene-d8	8.49	7.99	8.99	8.49	-0.01
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.06
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	-0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.04
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.03
77 Perylene-d12	20.02	19.52	20.52	20.02	-0.01

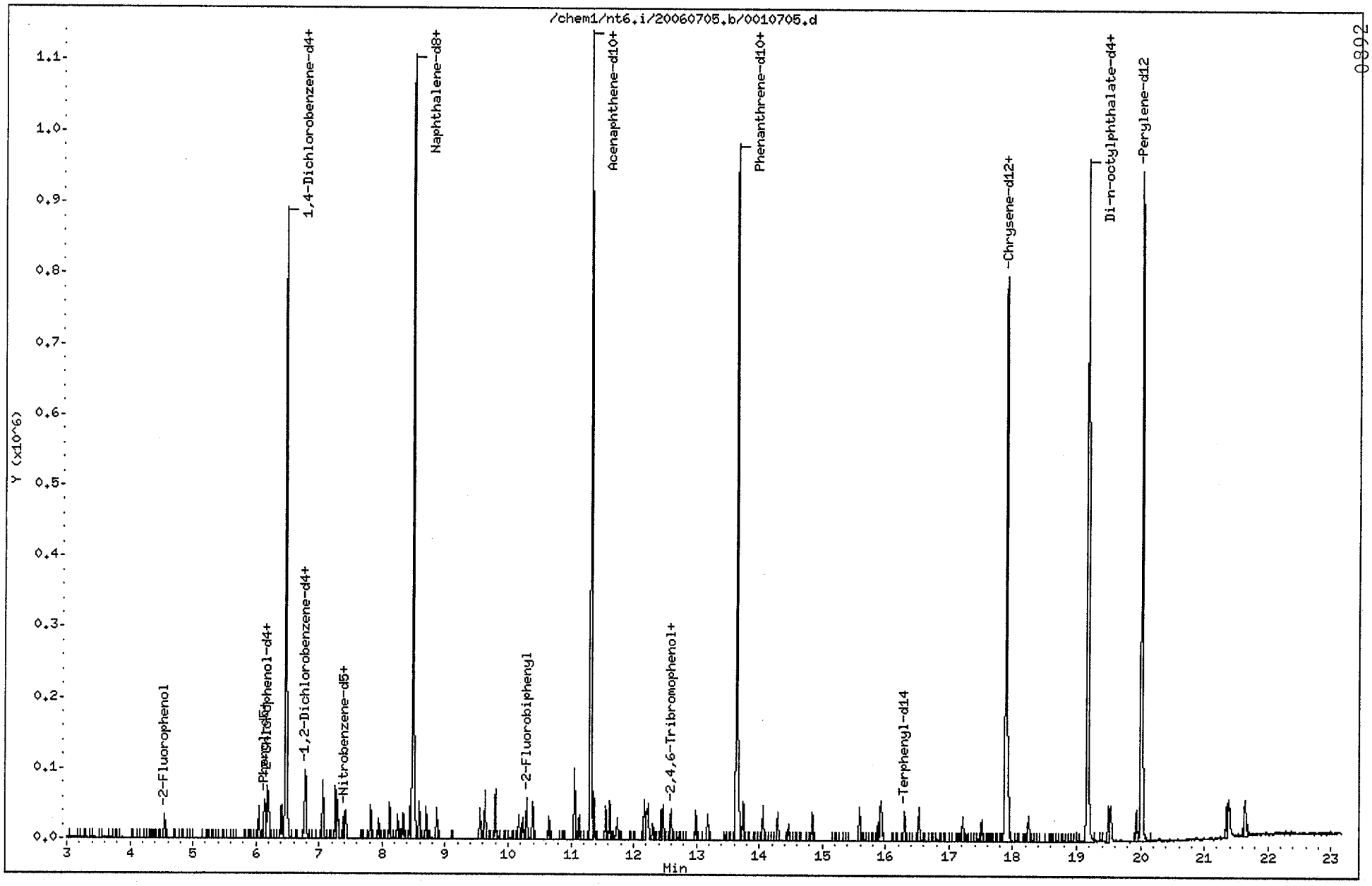
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0010705.d
Date : 05-JUL-2006 11:17
Client ID:
Sample Info: ABN 1

Column phase: ZB-5

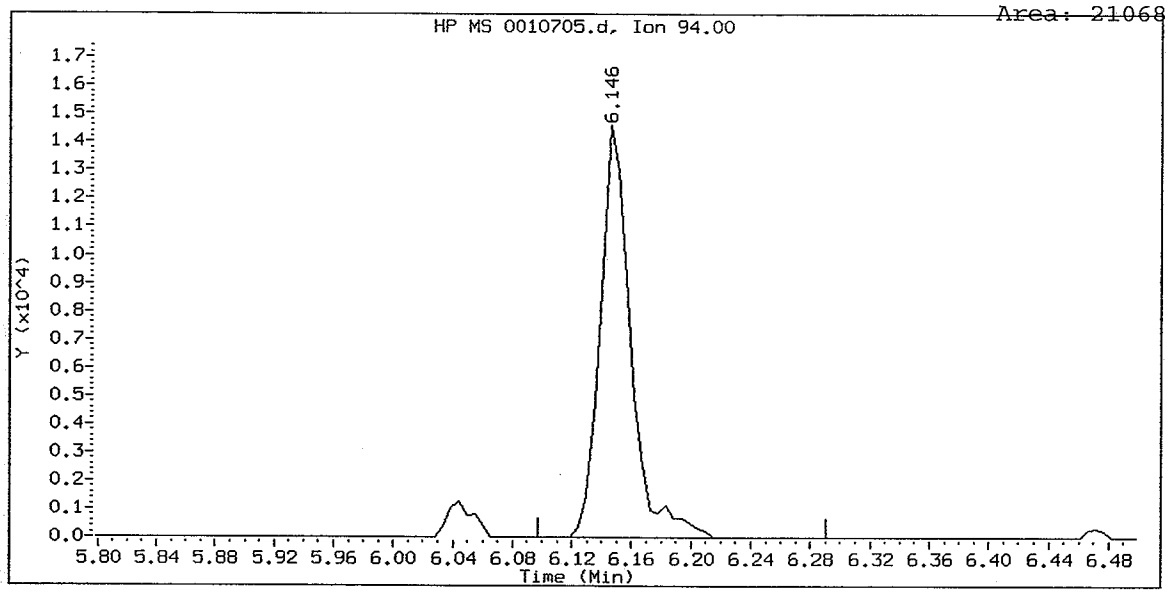
Instrument: nt6.i

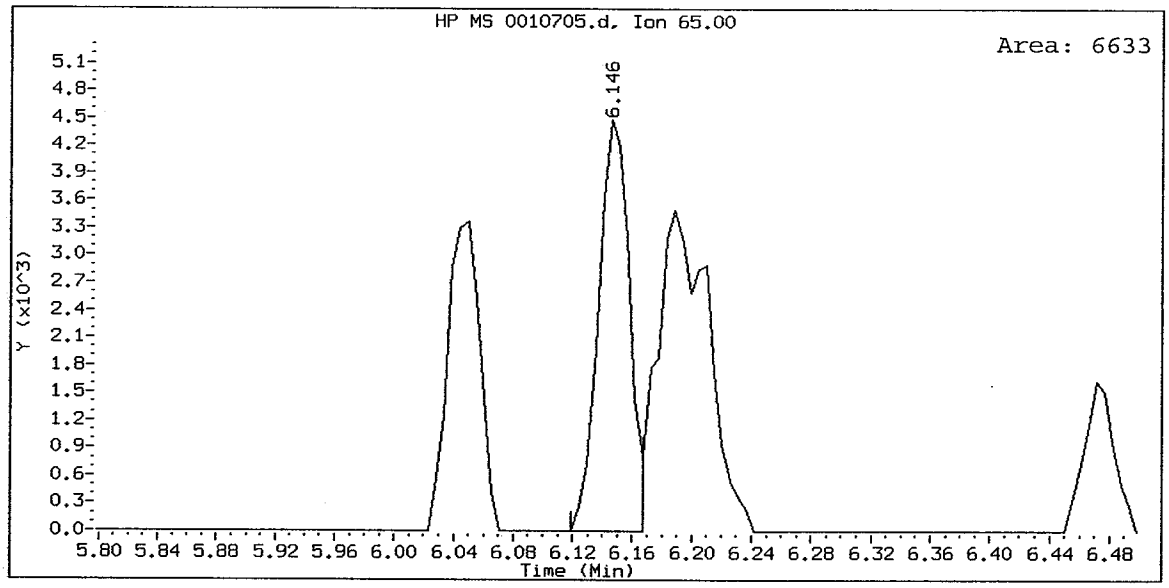
Operator: LJR
Column diameter: 0.32

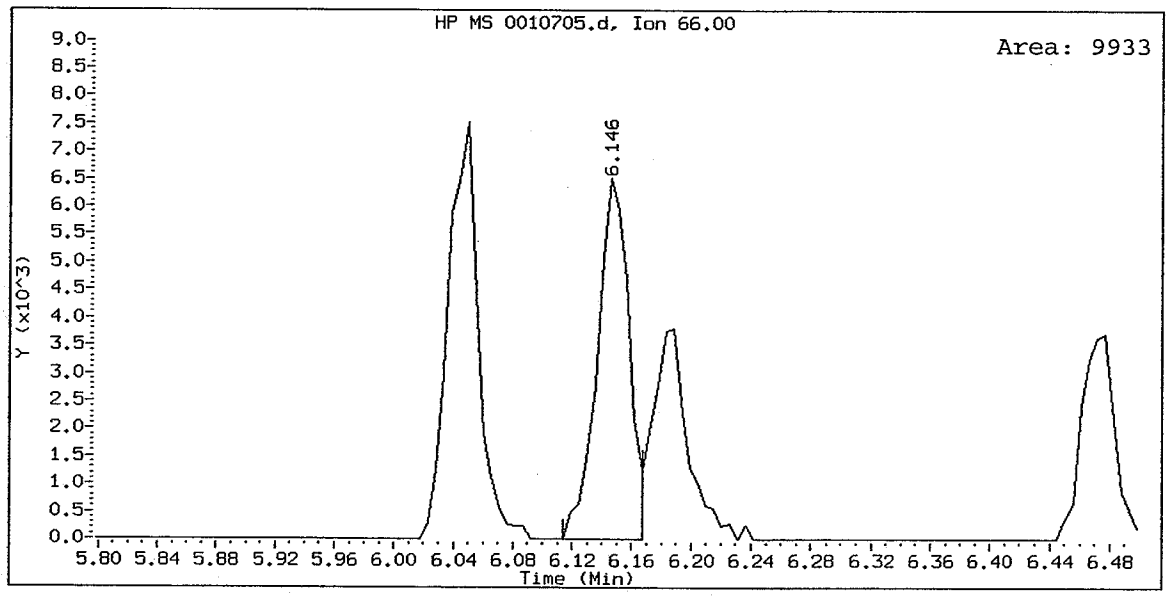


0302

ABN 1, /chem1/nt6.i/20060705.b/0010705.d
Phenol Amount: 1.01







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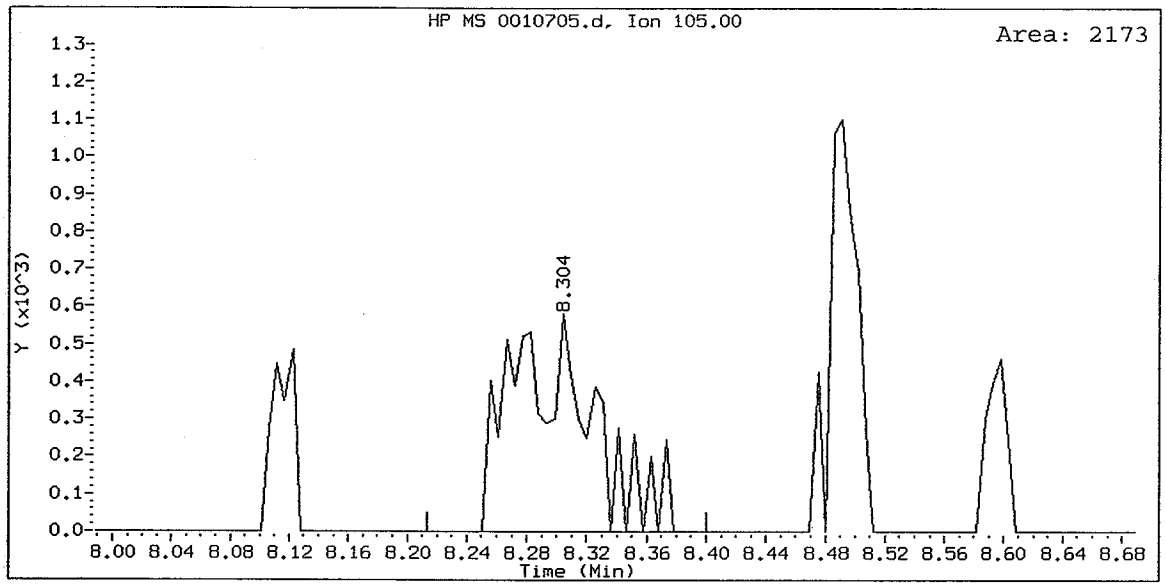
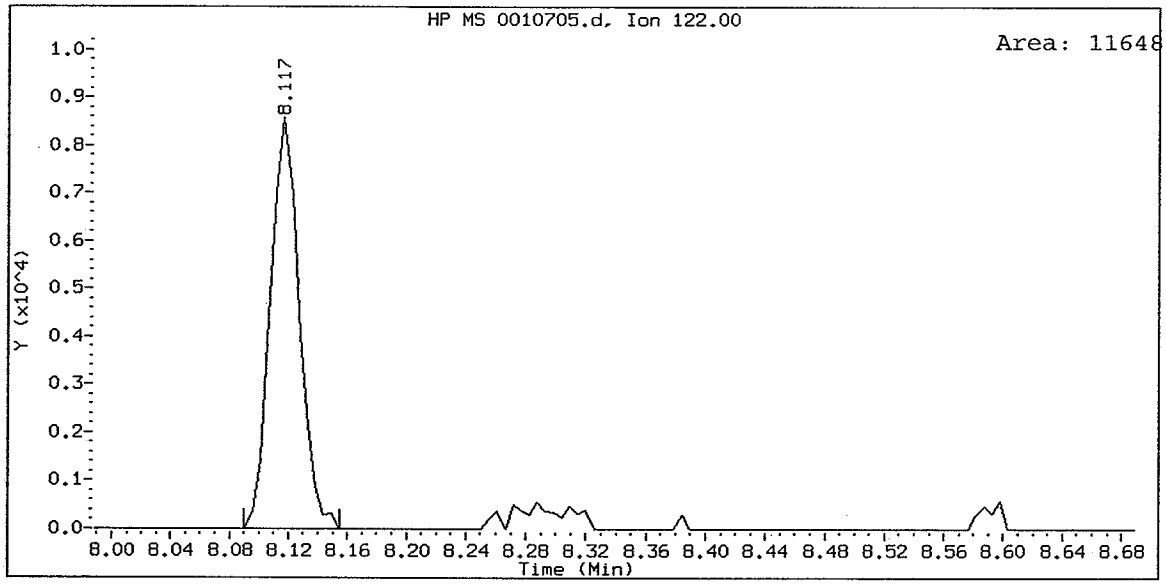
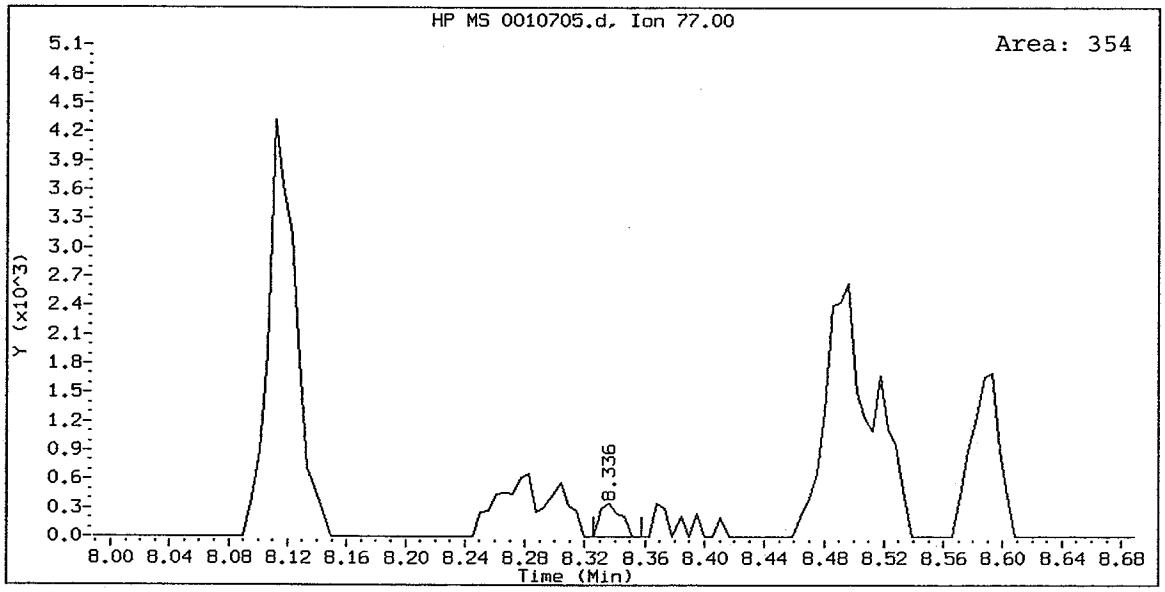
Benzoic acid Amount: 0.28







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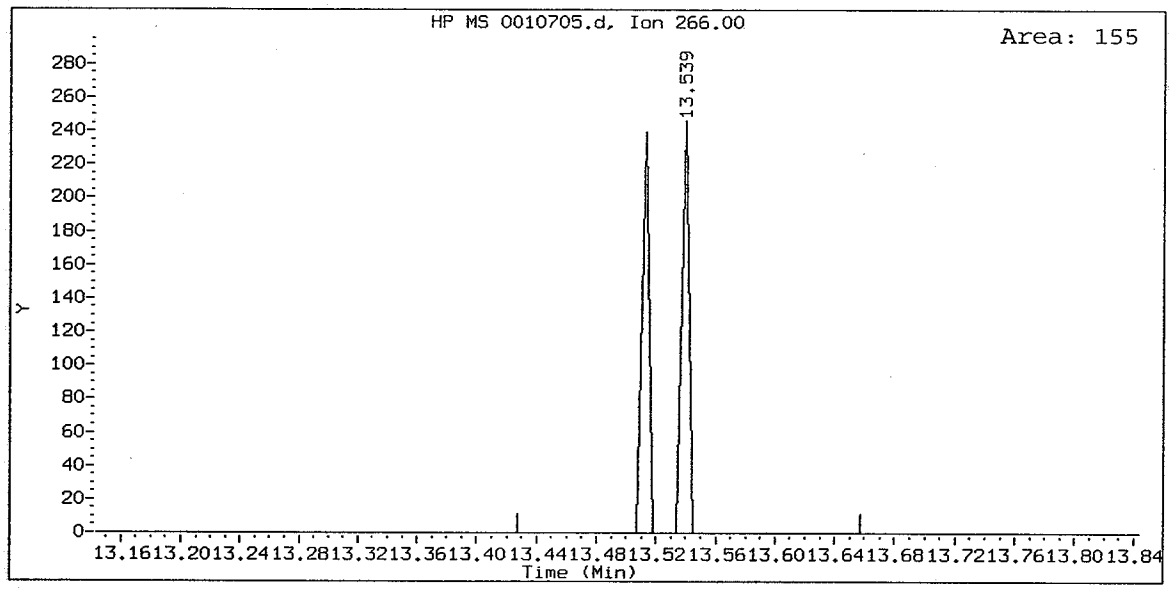
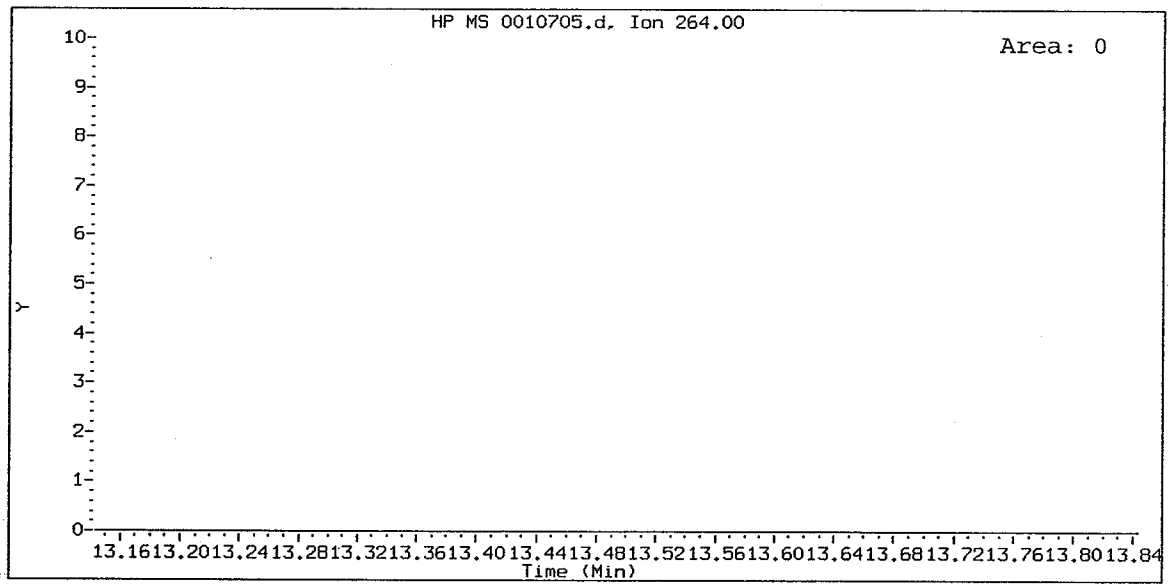
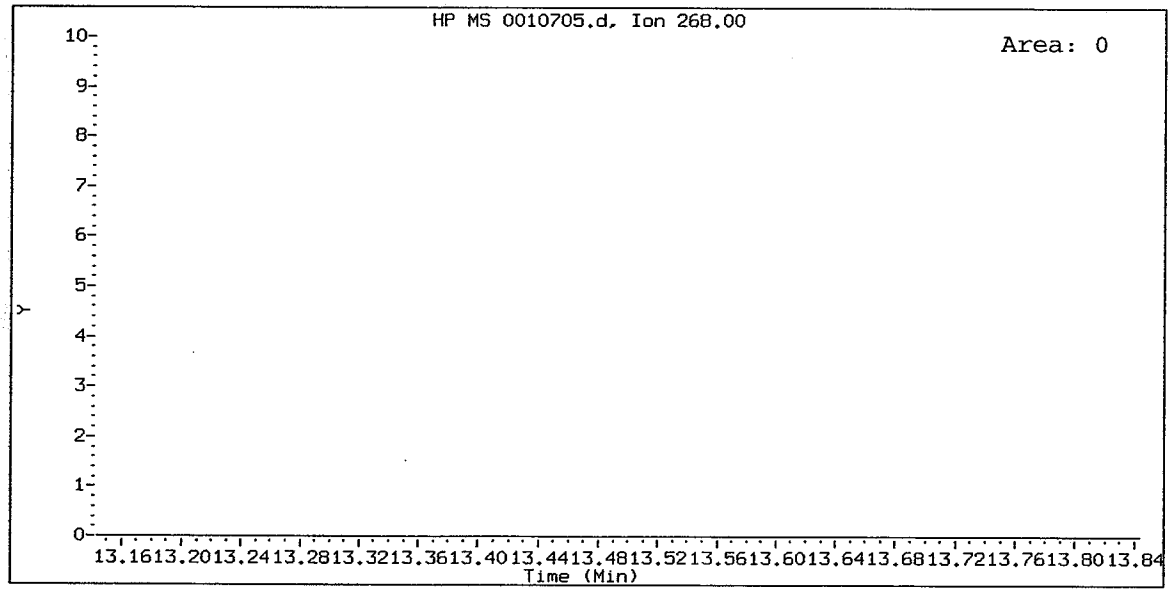
Pentachlorophenol Amount: 0.04







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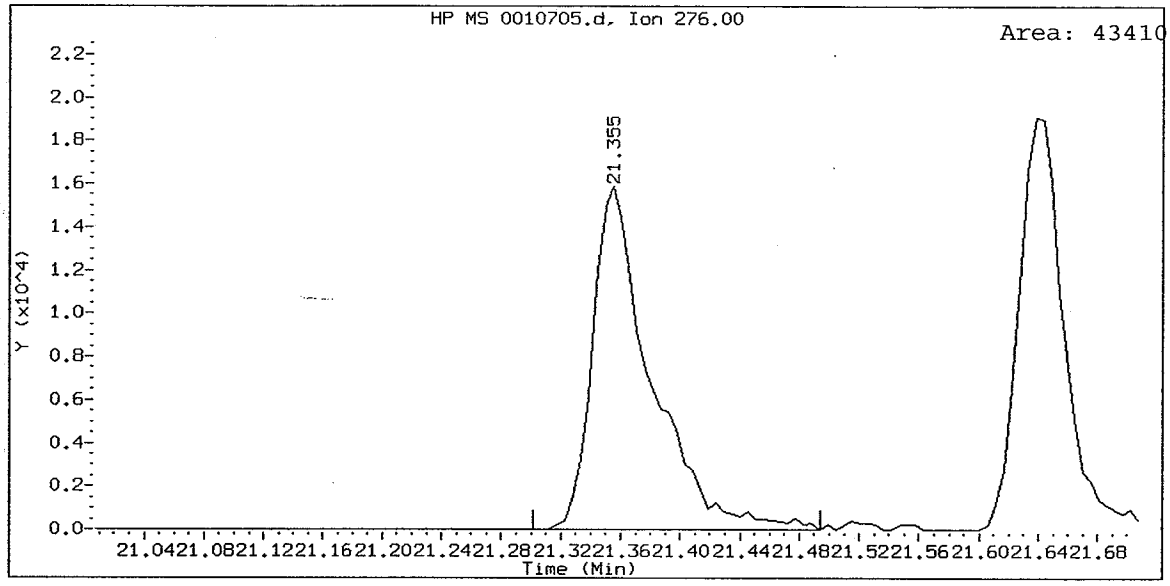
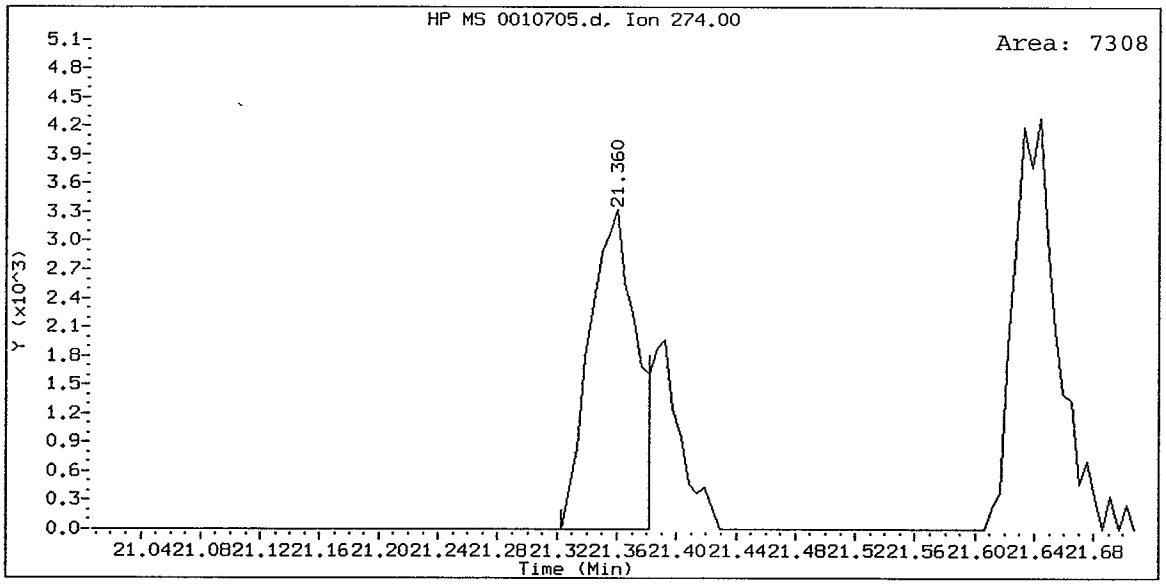
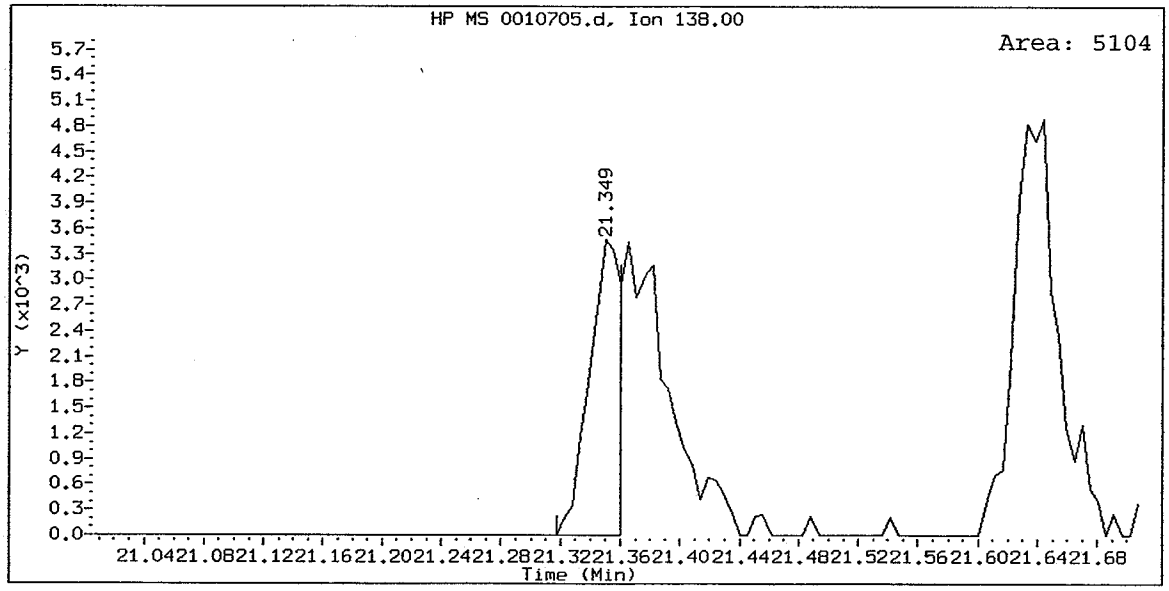
Indeno(1,2,3-cd)pyrene Amount: 1.01







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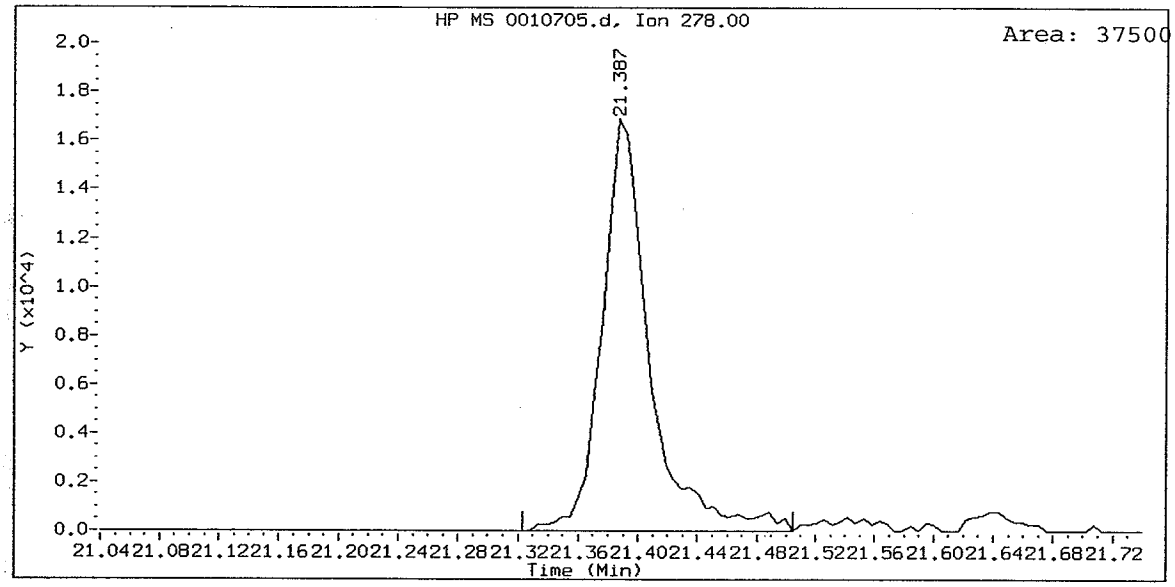
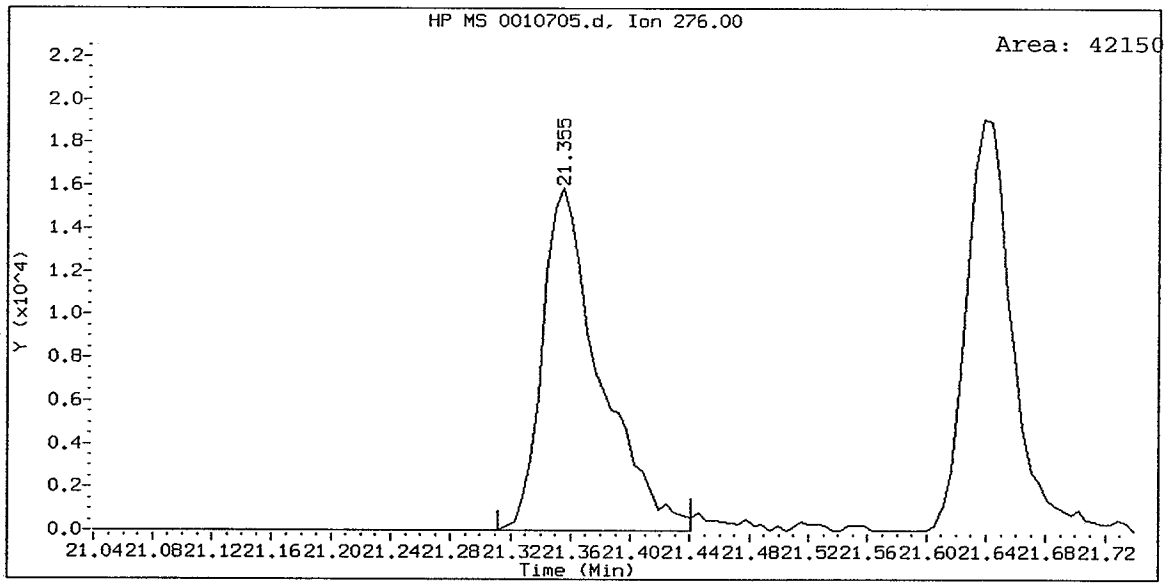
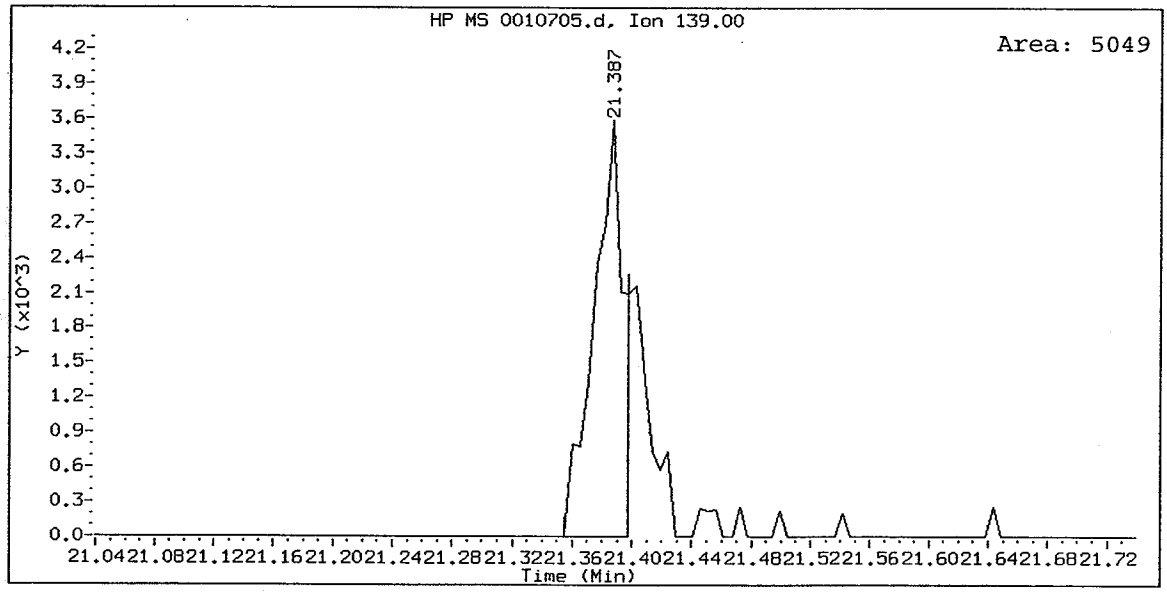
Dibenzo(a,h)anthracene Amount: 0.89







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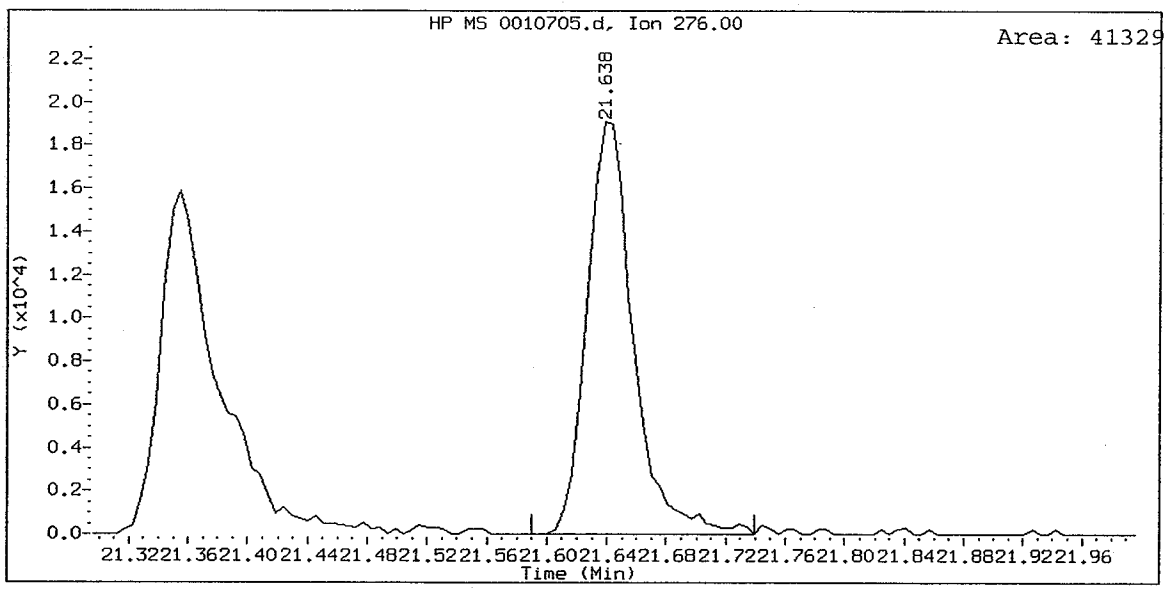
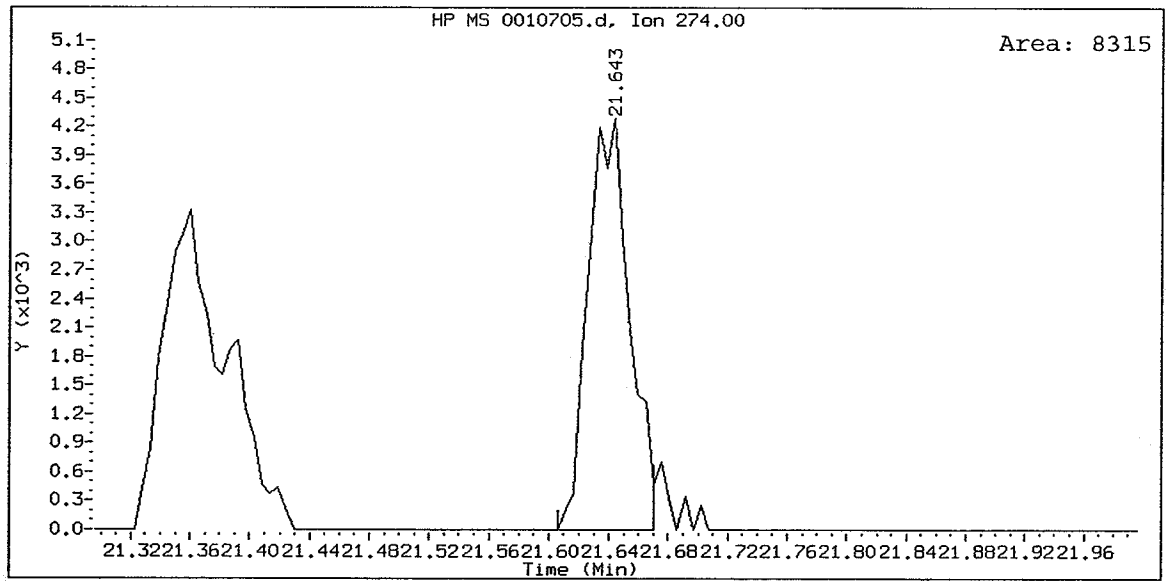
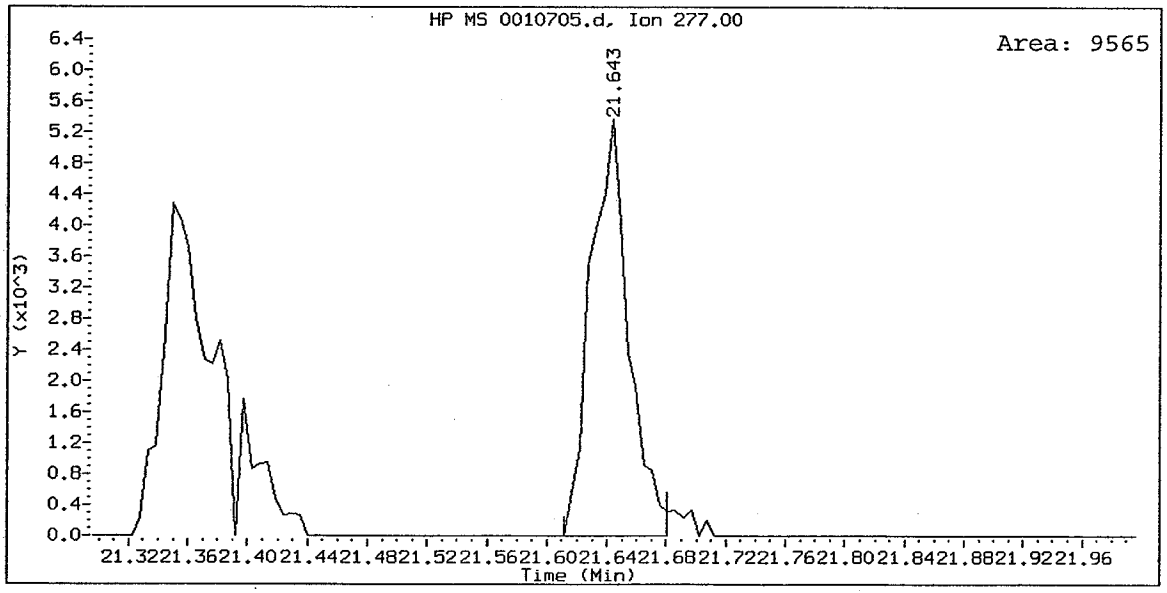
Benzo(g,h,i)perylene Amount: 0.92







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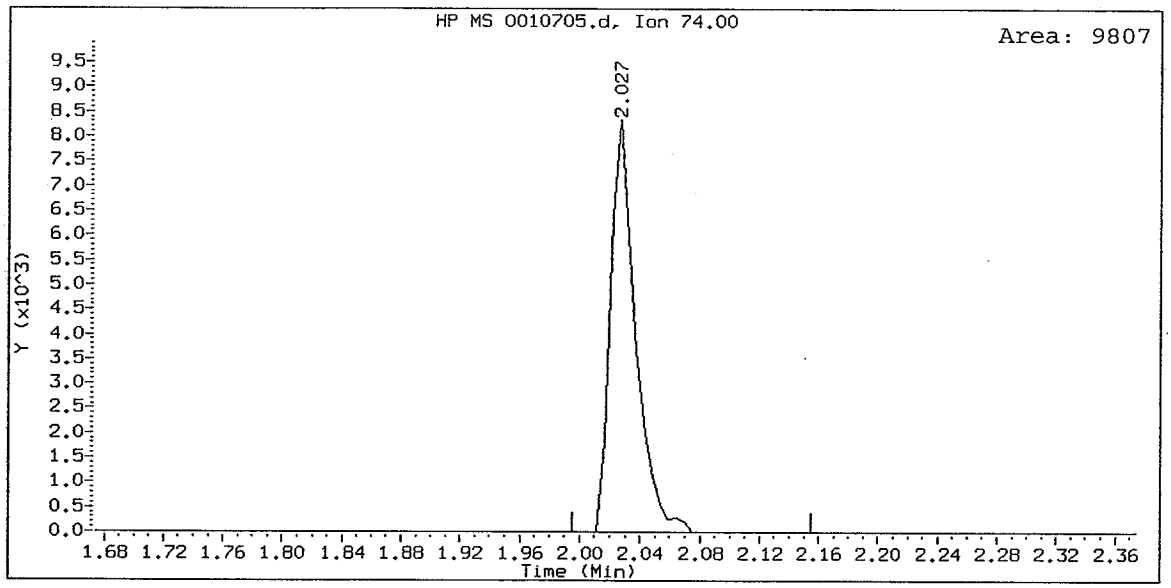
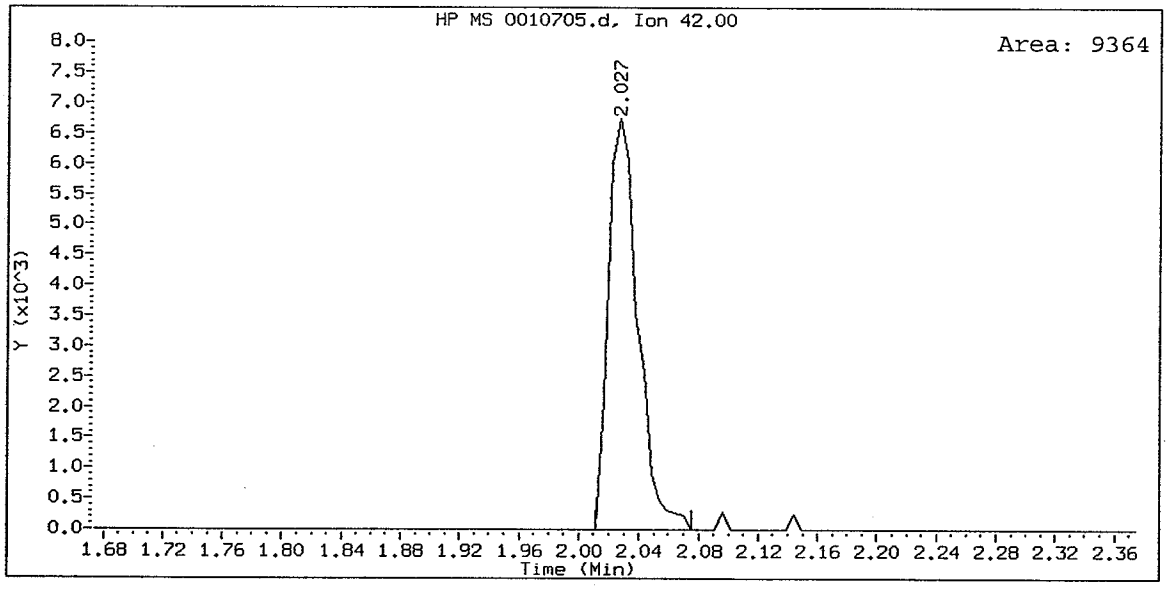
N-Nitrosodimethylamine Amount: 0.97





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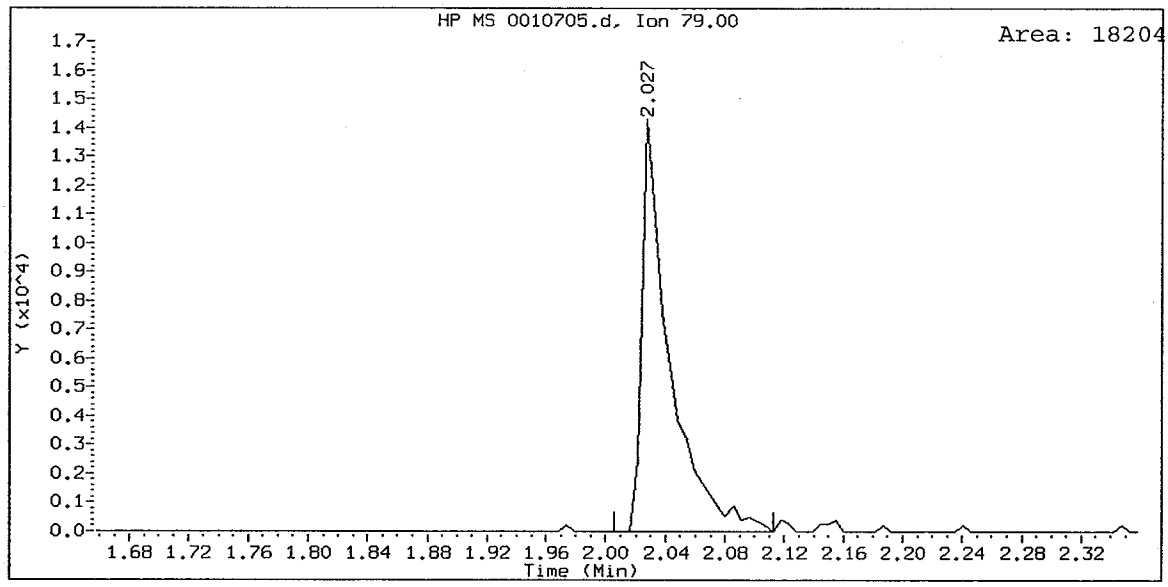
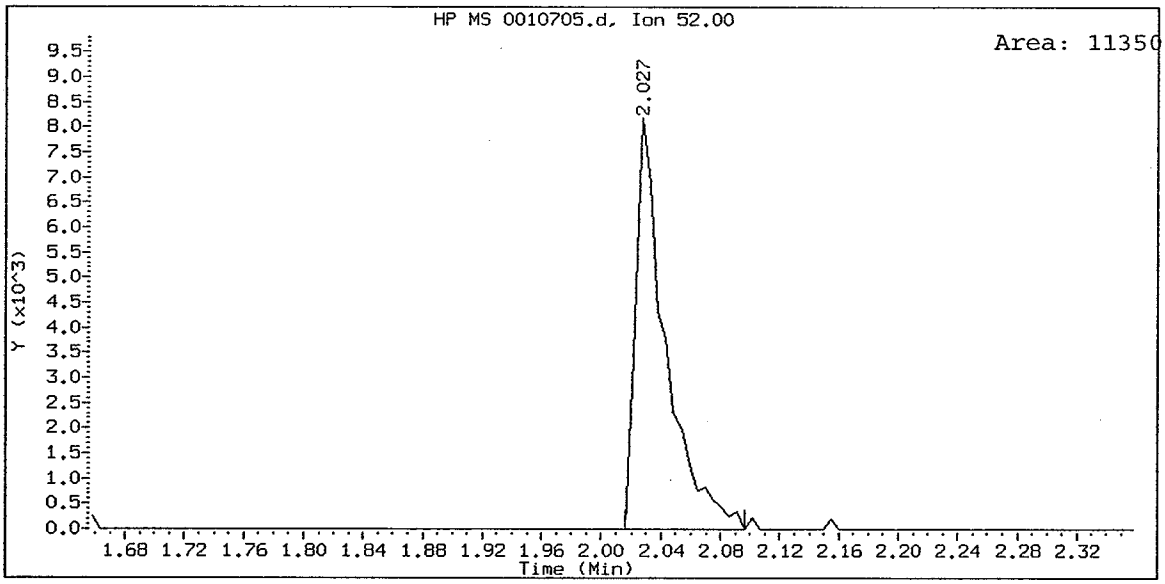
Pyridine Amount: 0.88





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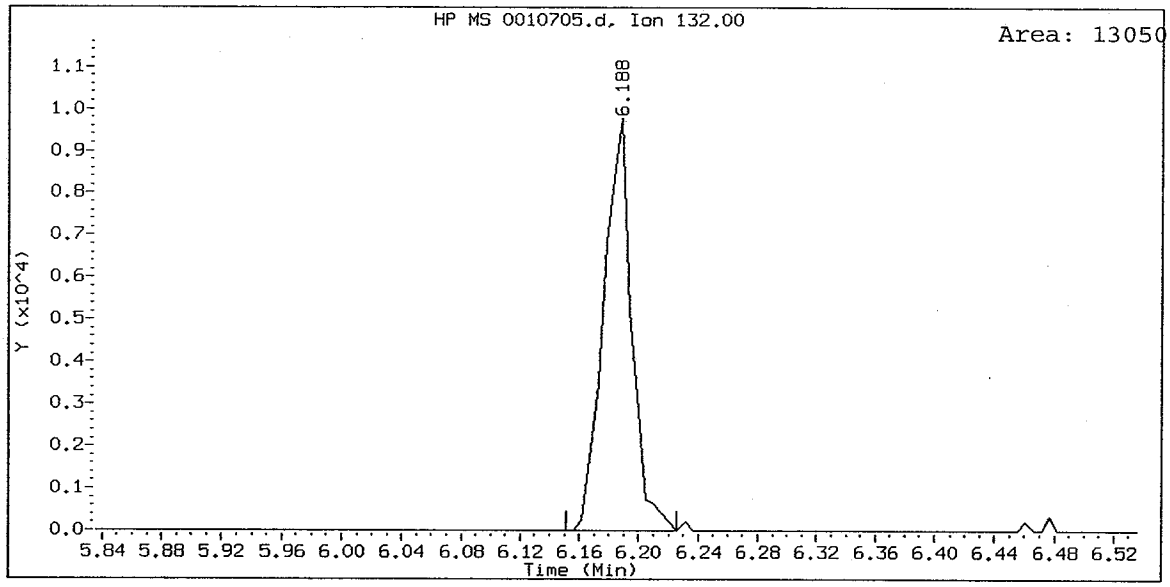
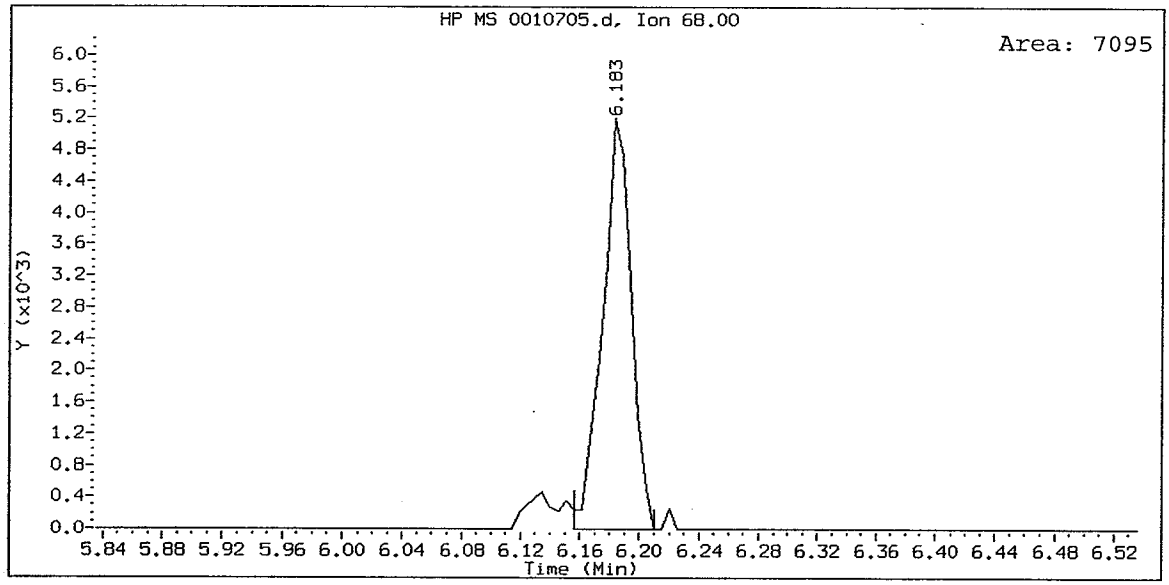
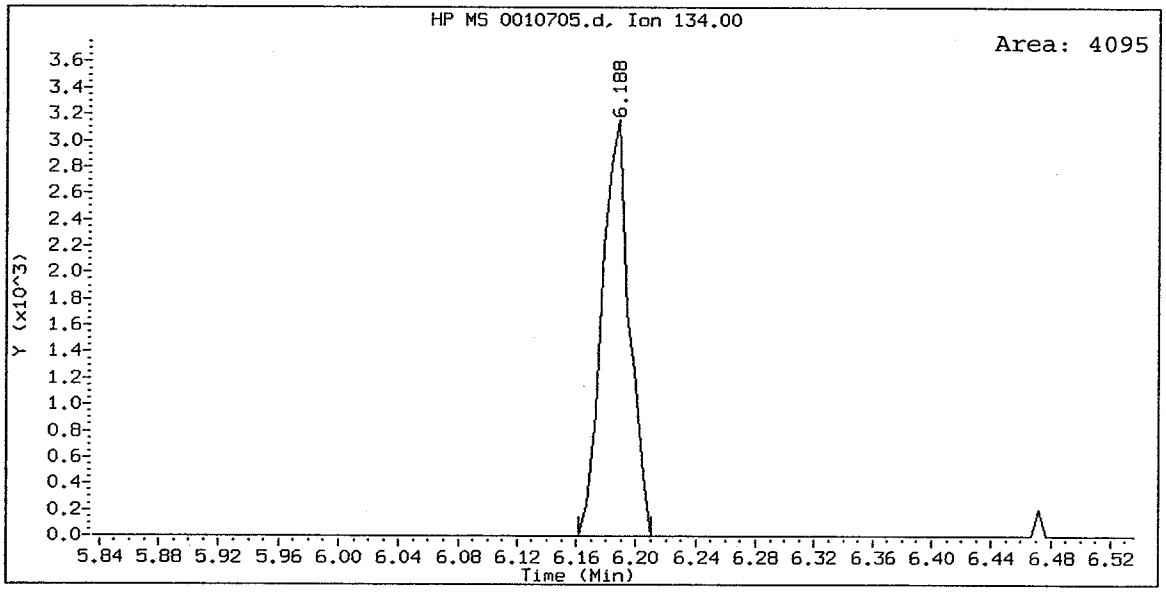
2-Chlorophenol-d4 Amount: 0.92







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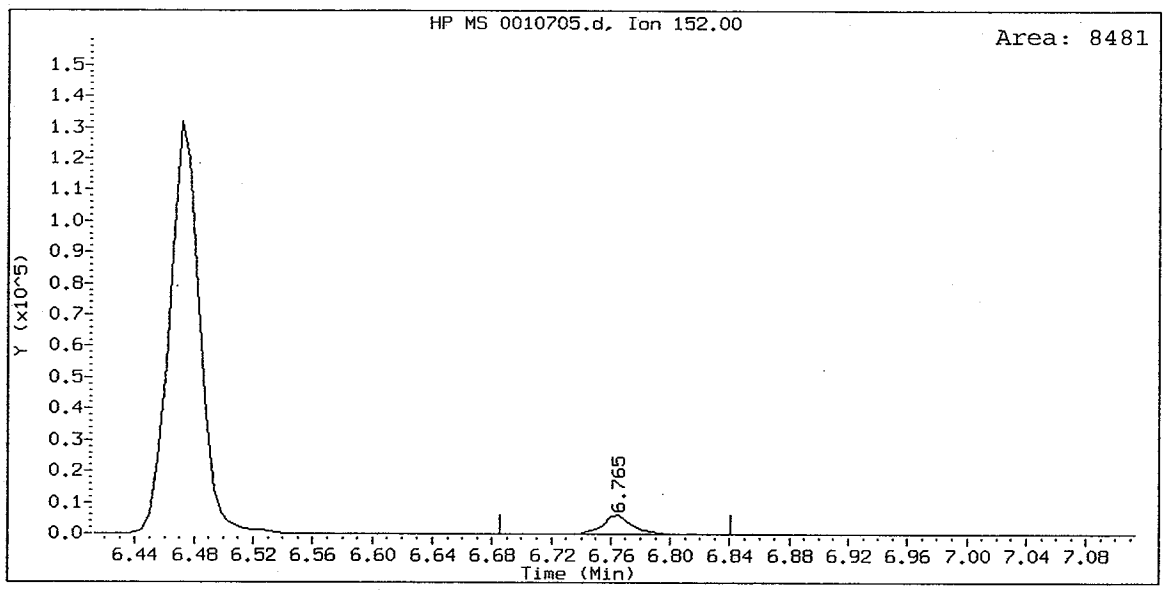
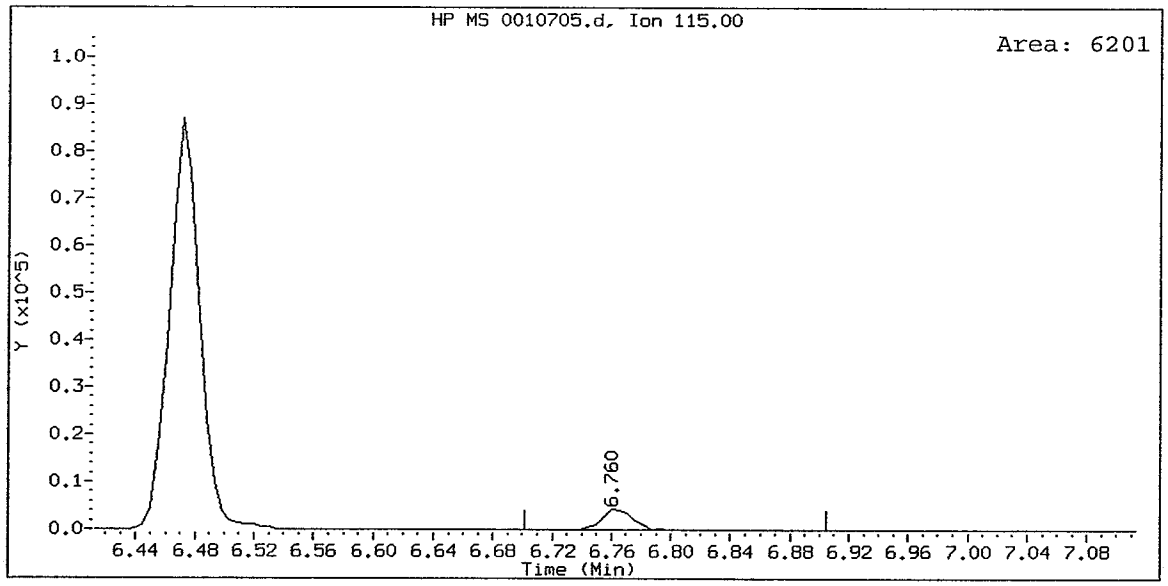
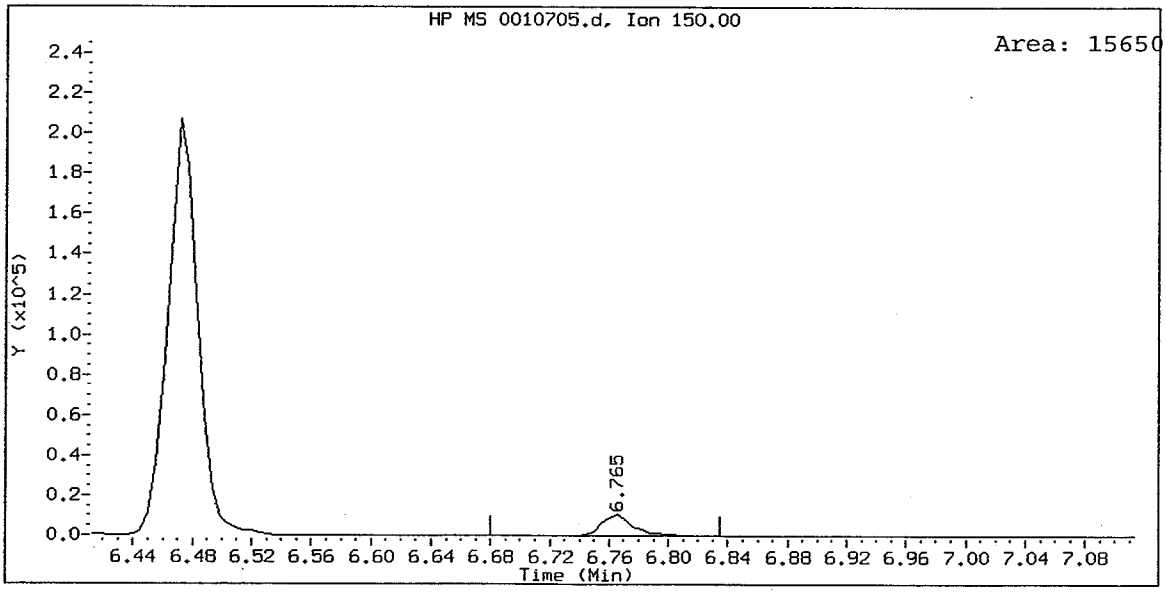
1,2-Dichlorobenzene-d4 Amount: 0.93







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0050705.d
Lab Smp Id: ABN 5
Inj Date : 05-JUL-2006 12:18
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 5
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff
Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49
Cal File: 0100705.d
Als bottle: 5
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR
7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.544	4.548	(0.702)	69584	5.00000	5.017
$	2 Phenol-d5	99	6.131	6.134	(0.947)	84373	5.00000	5.020
	3 Phenol	94	6.147	6.150	(0.950)	107014	5.00000	5.110 (M)
$	5 2-Chlorophenol-d4	132	6.184	6.188	(0.955)	70564	5.00000	4.952
	4 Bis(2-Chloroethyl)ether	93	6.190	6.188	(0.956)	78615	5.00000	5.045
	6 2-Chlorophenol	128	6.206	6.209	(0.959)	74474	5.00000	5.168
	7 1,3-Dichlorobenzene	146	6.409	6.407	(0.990)	78029	5.00000	4.982
*	8 1,4-Dichlorobenzene-d4	152	6.473	6.476	(1.000)	187970	20.0000	
	9 1,4-Dichlorobenzene	146	6.500	6.497	(1.004)	82131	5.00000	5.103
$	10 1,2-Dichlorobenzene-d4	152	6.767	6.765	(1.045)	46839	5.00000	5.099
	12 1,2-Dichlorobenzene	146	6.783	6.786	(1.048)	77462	5.00000	5.006
	11 Benzyl alcohol	108	6.793	6.791	(1.050)	49370	5.00000	4.948
	14 2,2'-oxybis(1-Chloropropane)	45	7.055	7.058	(1.090)	97036	5.00000	5.085
	13 2-Methylphenol	108	7.061	7.064	(1.091)	70716	5.00000	5.132
	17 Hexachloroethane	117	7.264	7.267	(1.122)	34569	5.00000	5.073
	16 N-Nitroso-di-n-propylamine	70	7.264	7.267	(1.122)	67643	5.00000	5.129
	15 4-Methylphenol	108	7.301	7.299	(1.128)	72125	5.00000	5.075
$	18 Nitrobenzene-d5	82	7.397	7.400	(0.871)	91305	5.00000	5.190
	19 Nitrobenzene	77	7.429	7.427	(0.875)	101488	5.00000	5.255
	20 Isophorone	82	7.814	7.817	(0.920)	159247	5.00000	5.257
	21 2-Nitrophenol	139	7.942	7.945	(0.935)	34936	5.00000	4.917
	22 2,4-Dimethylphenol	107	8.118	8.116	(0.956)	77547	5.00000	5.232
	23 Bis(2-Chloroethoxy)methane	93	8.247	8.250	(0.971)	84559	5.00000	5.011
	24 Benzoic acid	105	8.300	8.340	(0.977)	50995	10.0000	6.519 (MH)
	25 2,4-Dichlorophenol	162	8.337	8.340	(0.982)	54417	5.00000	5.028
	26 1,2,4-Trichlorobenzene	180	8.450	8.447	(0.995)	62437	5.00000	5.002
*	27 Naphthalene-d8	136	8.492	8.490	(1.000)	649831	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	8.519	8.522	(1.003)	200366	5.00000	5.072
	29 4-Chloroaniline	127	8.695	8.698	(1.024)	80216	5.00000	5.035
	30 Hexachlorobutadiene	225	8.866	8.869	(1.044)	39722	5.00000	5.065
	31 4-Chloro-3-methylphenol	107	9.550	9.553	(1.125)	61398	5.00000	5.022
	32 2-Methylnaphthalene	141	9.636	9.639	(1.135)	108037	5.00000	5.056
	33 Hexachlorocyclopentadiene	237	10.025	10.029	(0.886)	14312	5.00000	3.020
	34 2,4,6-Trichlorophenol	196	10.170	10.167	(0.899)	38752	5.00000	4.901
	35 2,4,5-Trichlorophenol	196	10.228	10.226	(0.904)	38250	5.00000	4.655
$	36 2-Fluorobiphenyl	172	10.298	10.296	(0.910)	133893	5.00000	5.051
	37 2-Chloronaphthalene	162	10.394	10.397	(0.919)	118201	5.00000	5.076
	38 2-Nitroaniline	65	10.651	10.654	(0.941)	50706	5.00000	5.337
	39 Dimethylphthalate	163	11.057	11.060	(0.977)	125925	5.00000	5.096
	40 Acenaphthylene	152	11.057	11.060	(0.977)	180924	5.00000	5.025
	41 2,6-Dinitrotoluene	165	11.131	11.134	(0.984)	28038	5.00000	4.977
*	42 Acenaphthene-d10	164	11.313	11.316	(1.000)	355016	20.0000	
	43 3-Nitroaniline	138	11.324	11.327	(1.001)	29687	5.00000	4.930
	44 Acenaphthene	153	11.361	11.364	(1.004)	116785	5.00000	5.123
	45 2,4-Dinitrophenol	184	11.500	11.492	(1.017)	1841	10.0000	1.684
	46 Dibenzofuran	168	11.623	11.626	(1.027)	160946	5.00000	5.131
	47 4-Nitrophenol	109	11.703	11.701	(1.034)	19524	5.00000	4.983 (M)
	48 2,4-Dinitrotoluene	165	11.746	11.743	(1.038)	35122	5.00000	4.914
	50 Diethylphthalate	149	12.205	12.208	(1.079)	122846	5.00000	5.147
	49 Fluorene	166	12.168	12.171	(1.076)	128774	5.00000	5.061
	51 4-Chlorophenyl-phenylether	204	12.232	12.230	(1.081)	66175	5.00000	4.951
	52 4-Nitroaniline	138	12.301	12.304	(1.087)	26847	5.00000	5.079
	53 4,6-Dinitro-2-methylphenol	198	12.376	12.384	(0.907)	15069	10.0000	4.920
	54 N-Nitrosodiphenylamine	169	12.440	12.443	(0.912)	91215	5.00000	5.045
$	55 2,4,6-Tribromophenol	330	12.590	12.593	(1.113)	16479	5.00000	4.827
	56 4-Bromophenyl-phenylether	248	12.996	12.993	(0.952)	36786	5.00000	4.978
	57 Hexachlorobenzene	284	13.183	13.180	(0.966)	38469	5.00000	4.968
	58 Pentachlorophenol	266	13.493	13.496	(0.989)	16520	5.00000	3.917
*	59 Phenanthrene-d10	188	13.647	13.645	(1.000)	526410	20.0000	
	60 Phenanthrene	178	13.680	13.683	(1.002)	181534	5.00000	5.180
	61 Anthracene	178	13.749	13.752	(1.007)	176317	5.00000	5.012
	62 Carbazole	167	14.059	14.057	(1.030)	144822	5.00000	5.114
	63 Di-n-butylphthalate	149	14.844	14.842	(1.088)	174758	5.00000	5.152
	64 Fluoranthene	202	15.587	15.584	(1.142)	174559	5.00000	5.052
	65 Pyrene	202	15.923	15.926	(0.890)	188753	5.00000	5.228
$	66 Terphenyl-d14	244	16.297	16.300	(0.911)	118524	5.00000	5.221
	67 Butylbenzylphthalate	149	17.216	17.219	(0.962)	70587	5.00000	5.269
	68 Benzo(a)anthracene	228	17.878	17.876	(0.999)	167072	5.00000	5.162
*	69 Chrysene-d12	240	17.894	17.898	(1.000)	428642	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.927	17.930	(1.002)	60151	5.00000	5.153
	71 Chrysene	228	17.932	17.935	(1.002)	162017	5.00000	5.037
	72 bis(2-Ethylhexyl)phthalate	149	18.247	18.245	(0.952)	91506	5.00000	4.976
*	134 Di-n-octylphthalate-d4	153	19.171	19.174	(1.000)	728345	20.0000	
	73 Di-n-octylphthalate	149	19.182	19.180	(1.001)	182428	5.00000	5.244

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	19.497	19.506	(0.974)	171316	5.00000	4.852 (H)
75 Benzo(k)fluoranthene	252	19.534	19.538	(0.976)	187197	5.00000	5.128
76 Benzo(a)pyrene	252	19.935	19.938	(0.996)	170115	5.00000	5.006 (M)
* 77 Perylene-d12	264	20.021	20.024	(1.000)	537760	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.356	21.359	(1.067)	187883	5.00000	4.545 (M)
79 Dibenzo(a,h)anthracene	278	21.394	21.391	(1.069)	192625	5.00000	4.744
80 Benzo(g,h,i)perylene	276	21.645	21.648	(1.081)	208947	5.00000	4.827
90 N-Nitrosodimethylamine	74	2.023	2.026	(0.313)	51528	5.00000	5.081
103 Pyridine	79	2.012	2.010	(0.311)	105428	5.00000	5.075
91 Aniline	93	6.046	6.049	(0.934)	130424	5.00000	5.275
105 1-methylnaphthalene	141	9.801	9.799	(1.154)	112406	5.00000	5.033
93 Benzidine	184	15.880	15.878	(0.887)	91840	5.00000	7.397
98 Retene	219	16.527	16.525	(0.924)	80934	5.00000	5.176
111 Azobenzene (1,2-DP-Hydrazine)	77	12.472	12.475	(1.102)	184332	5.00000	5.307
144 alpha-Terpineol	59	8.588	8.592	(1.011)	61839	5.00000	5.202
143 1,4-Dioxane	88	1.622	1.625	(0.251)	34658	5.00000	4.905
$ 137 d8-1,4-Dioxane	96	1.596	1.593	(0.246)	32924	5.00000	4.865
133 Butylatedhydroxytoluene	205	11.553	11.556	(1.021)	106972	5.00000	5.323
115 Tributyl Phosphate	99	12.600	12.603	(0.923)	135513	5.00000	5.126
116 Dibutyl Phenyl Phosphate	175	14.294	14.297	(1.047)	103067	5.00000	5.011
117 Butyl Diphenyl Phosphate	94	15.939	15.942	(0.891)	31129	5.00000	5.046
118 Triphenyl Phosphate	326	17.510	17.513	(0.978)	26912	5.00000	5.262

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0050705.d
Lab Smp Id: ABN 5
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	187970	-6.34
27 Naphthalene-d8	684917	342458	1369834	649831	-5.12
42 Acenaphthene-d10	379750	189875	759500	355016	-6.51
59 Phenanthrene-d10	559641	279820	1119282	526410	-5.94
69 Chrysene-d12	488455	244228	976910	428642	-12.25
134 Di-n-octylphthala	797584	398792	1595168	728345	-8.68
77 Perylene-d12	578815	289408	1157630	537760	-7.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.00
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.00
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.05
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.00
69 Chrysene-d12	17.90	17.40	18.40	17.89	-0.06
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.03
77 Perylene-d12	20.02	19.52	20.52	20.02	0.00

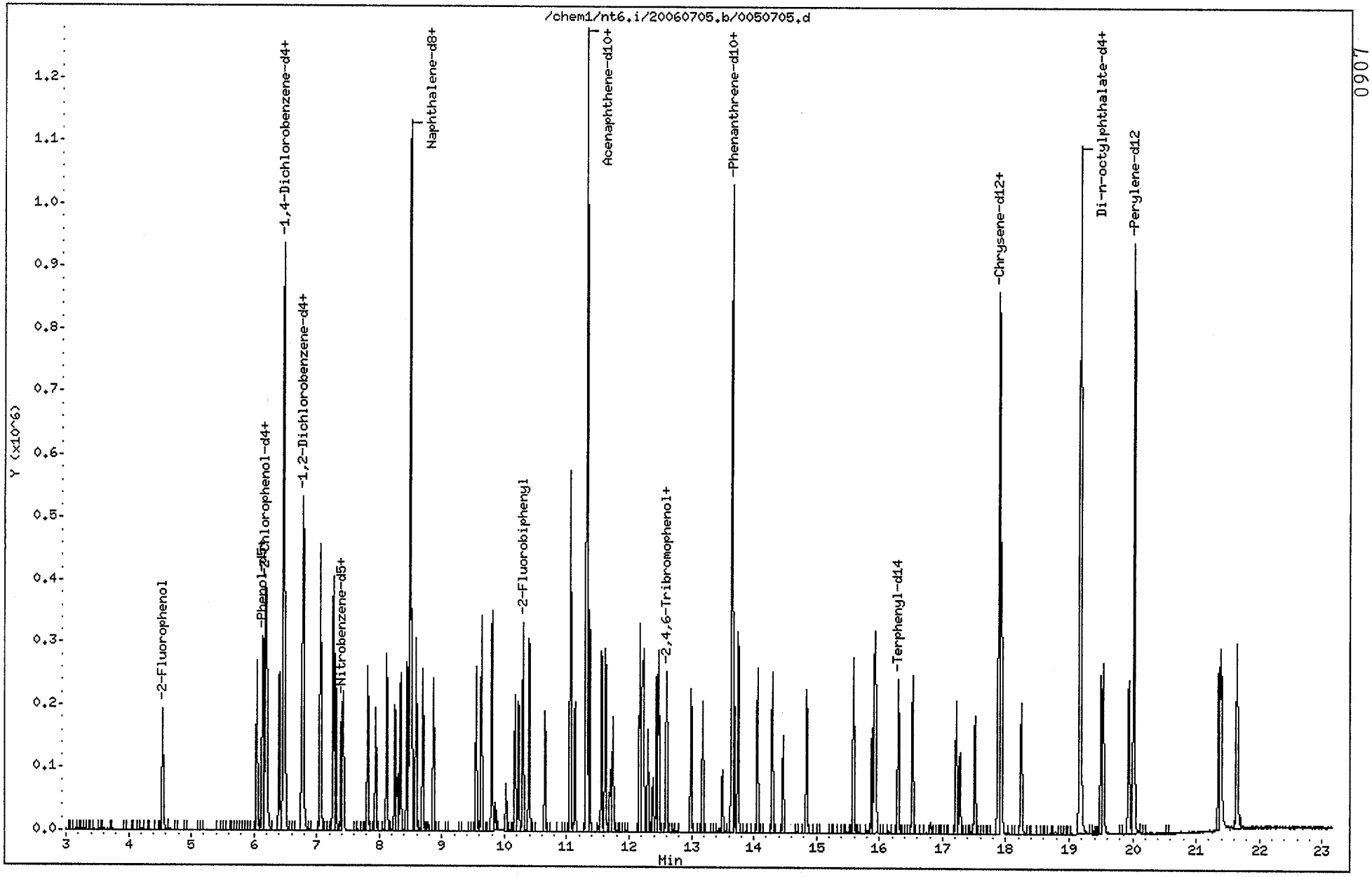
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0050705.d
Date : 05-JUL-2006 12:18
Client ID:
Sample Info: ABN 5

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



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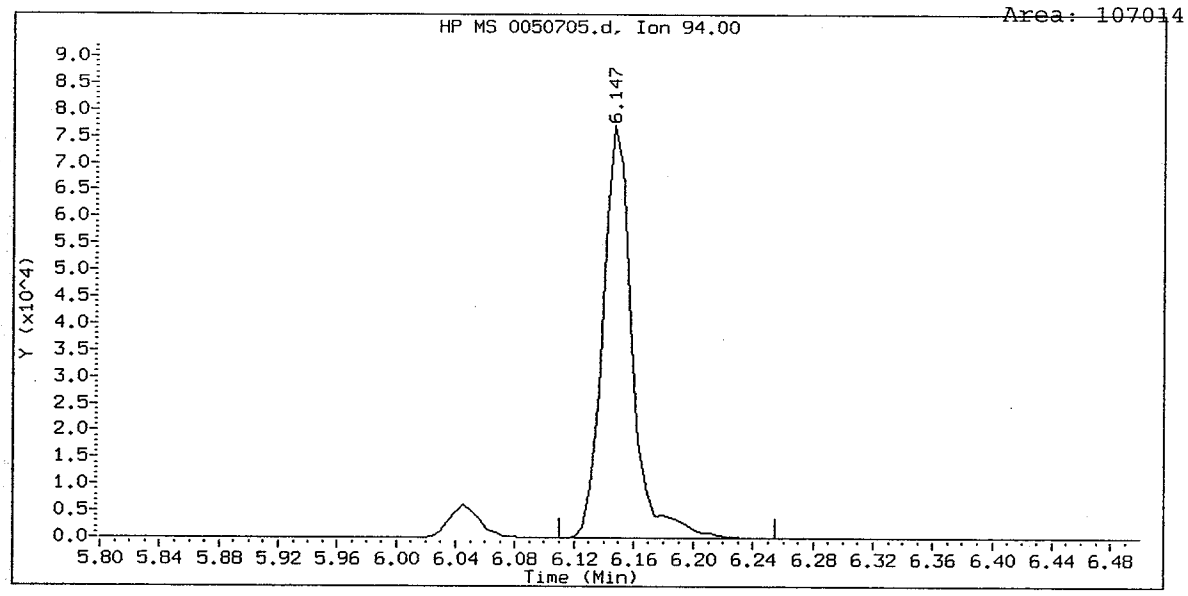
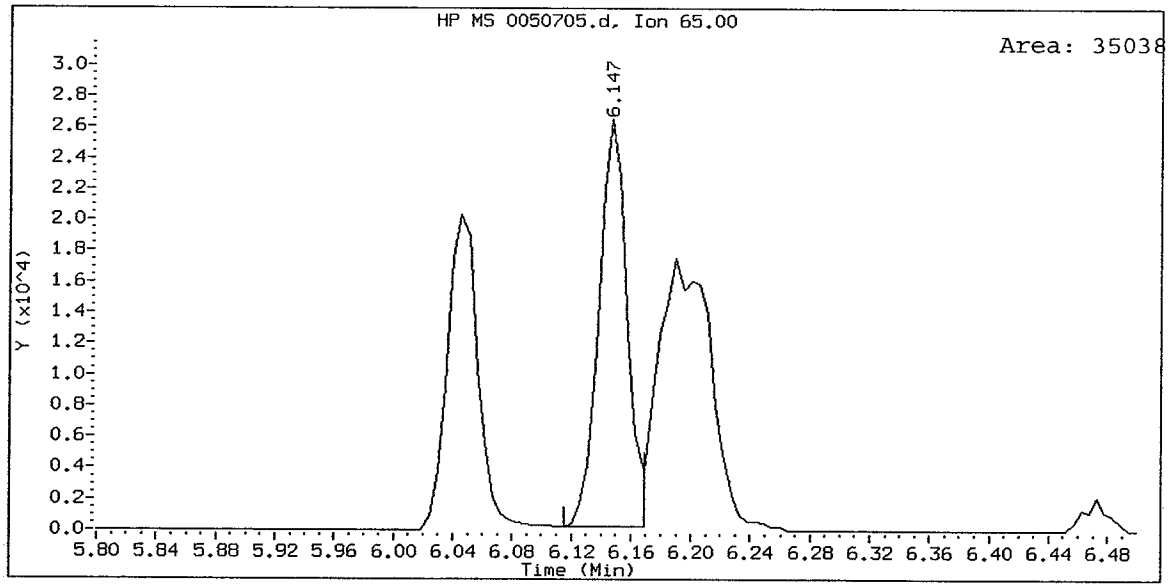
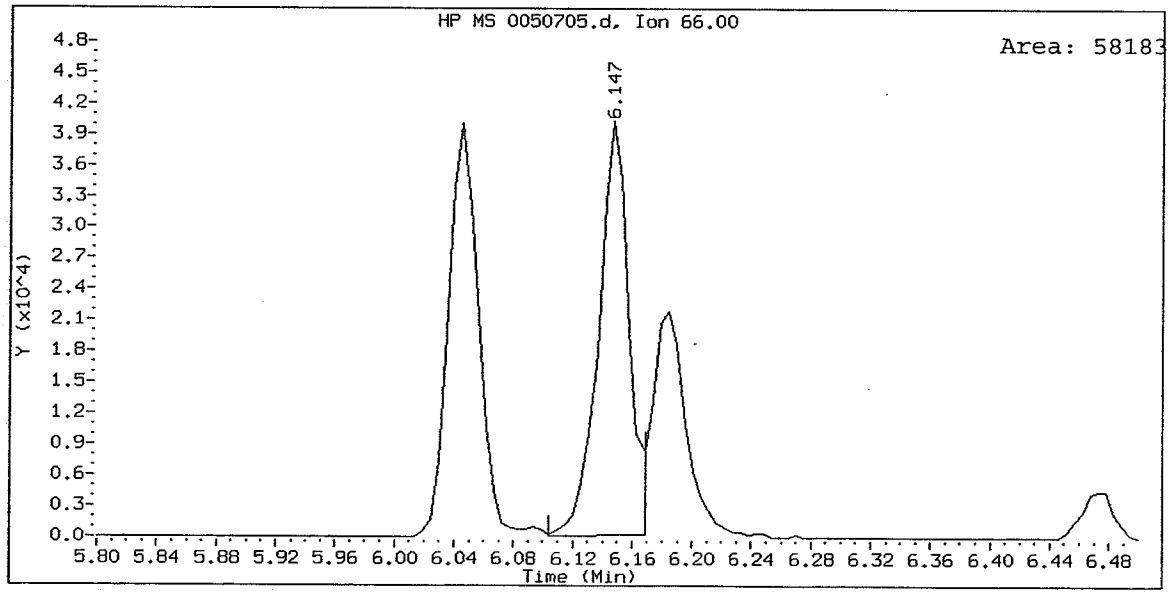
Phenol Amount: 5.11







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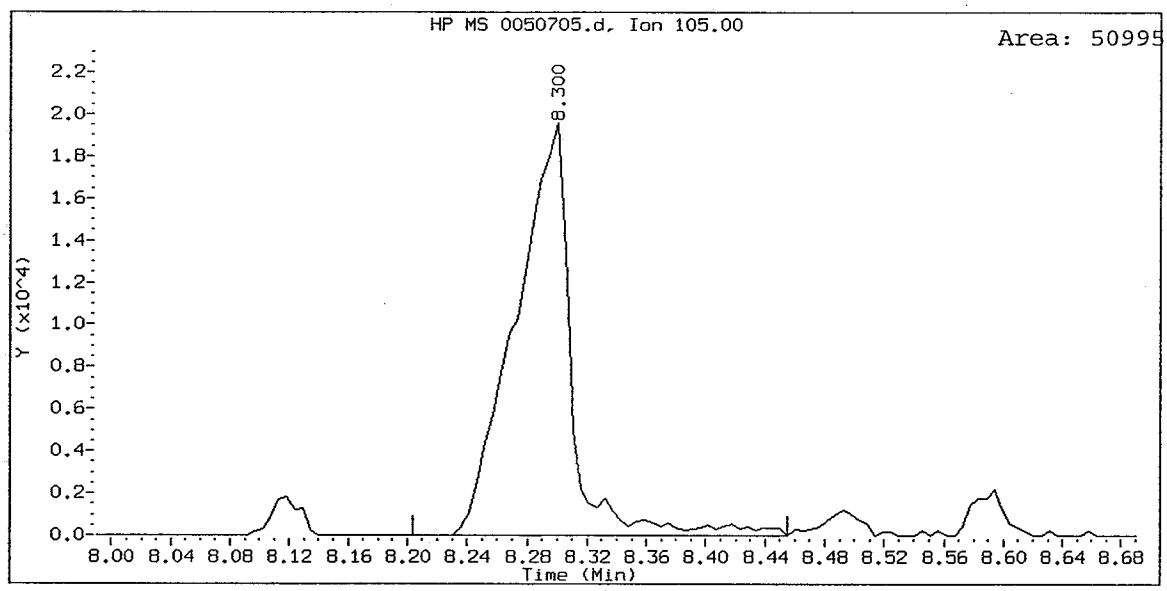
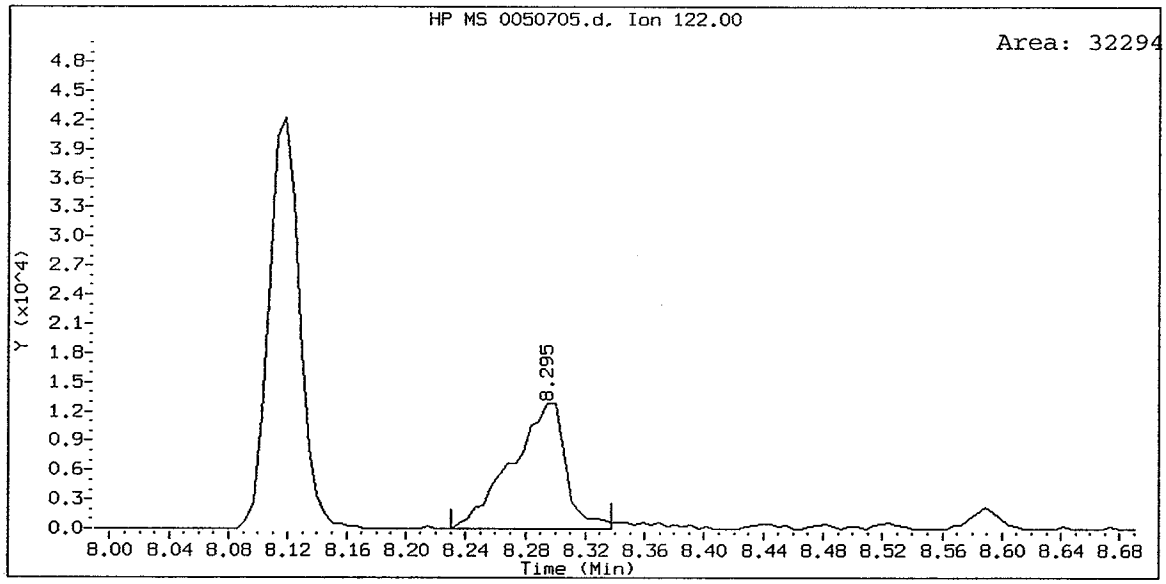
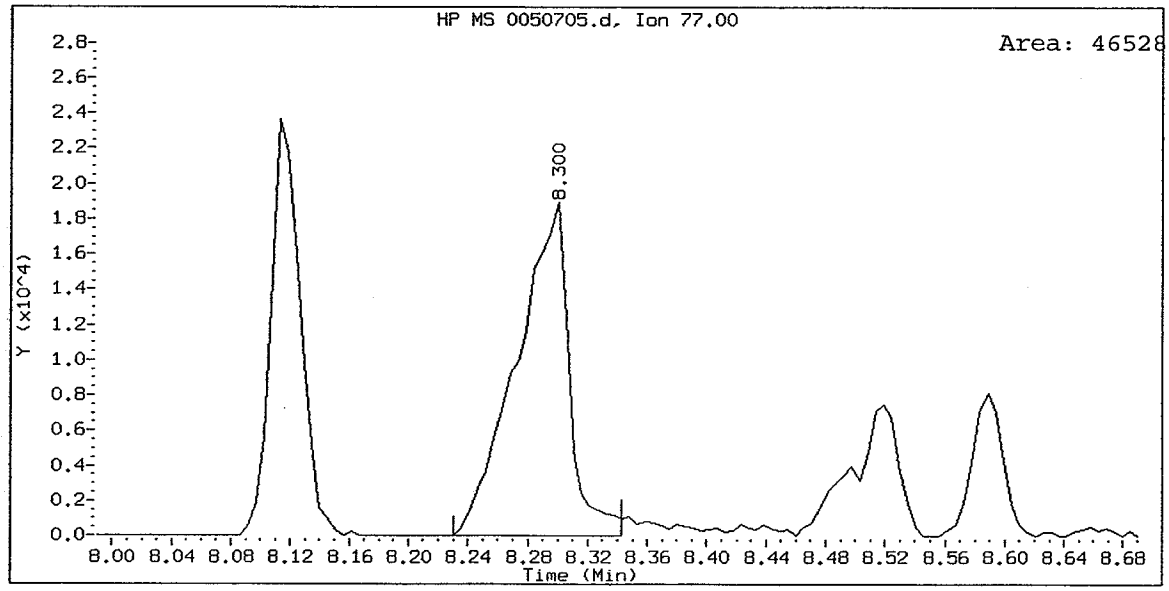
Benzoic acid Amount: 6.52







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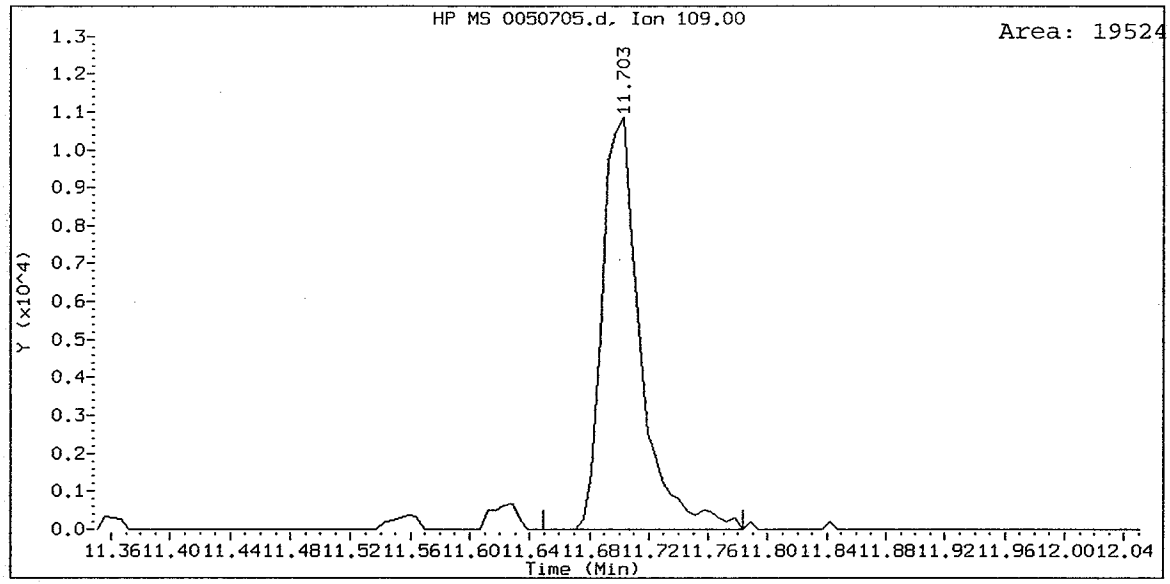
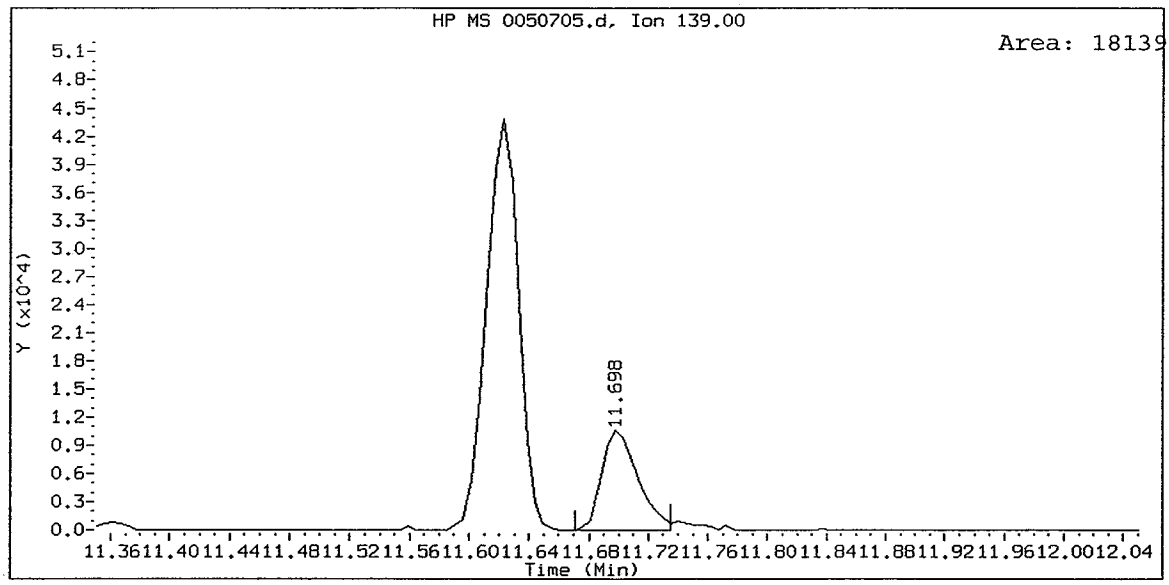
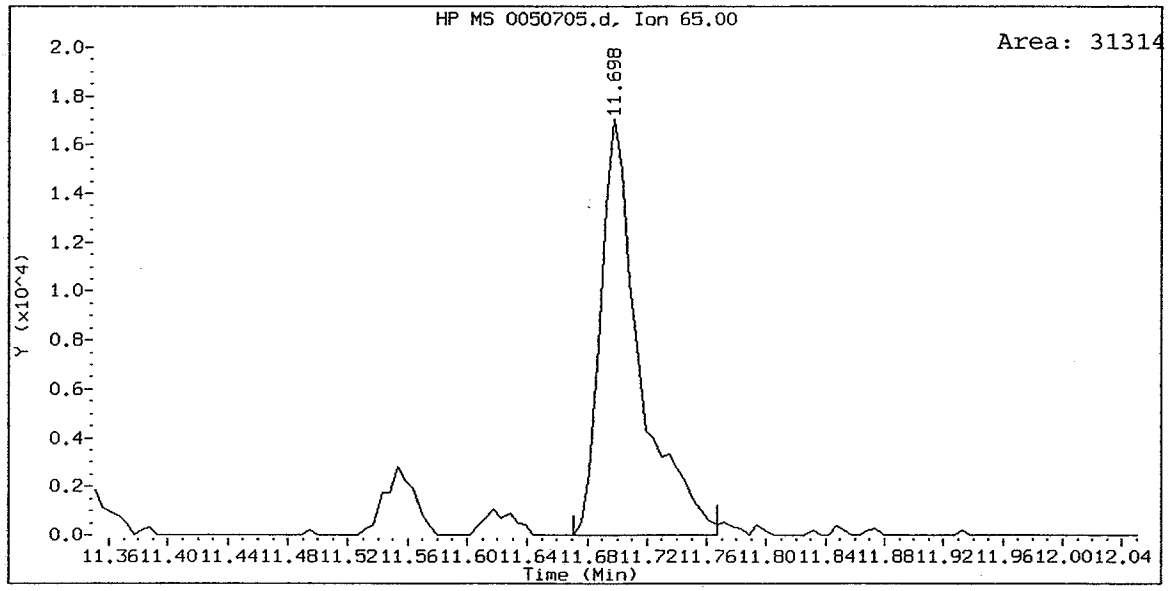
4-Nitrophenol Amount: 4.98







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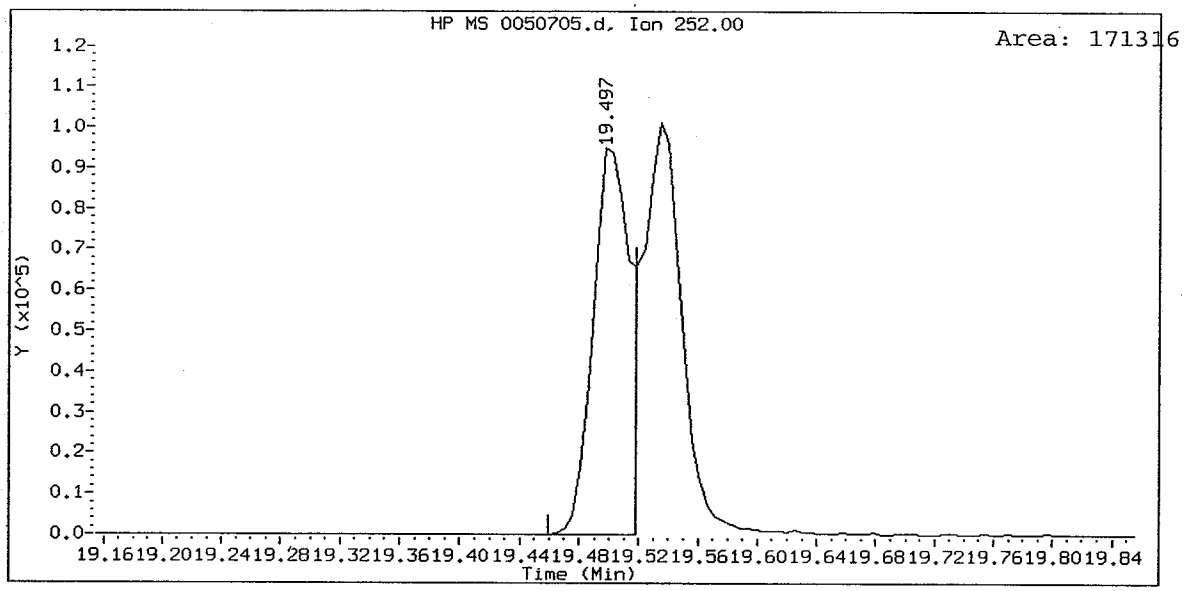
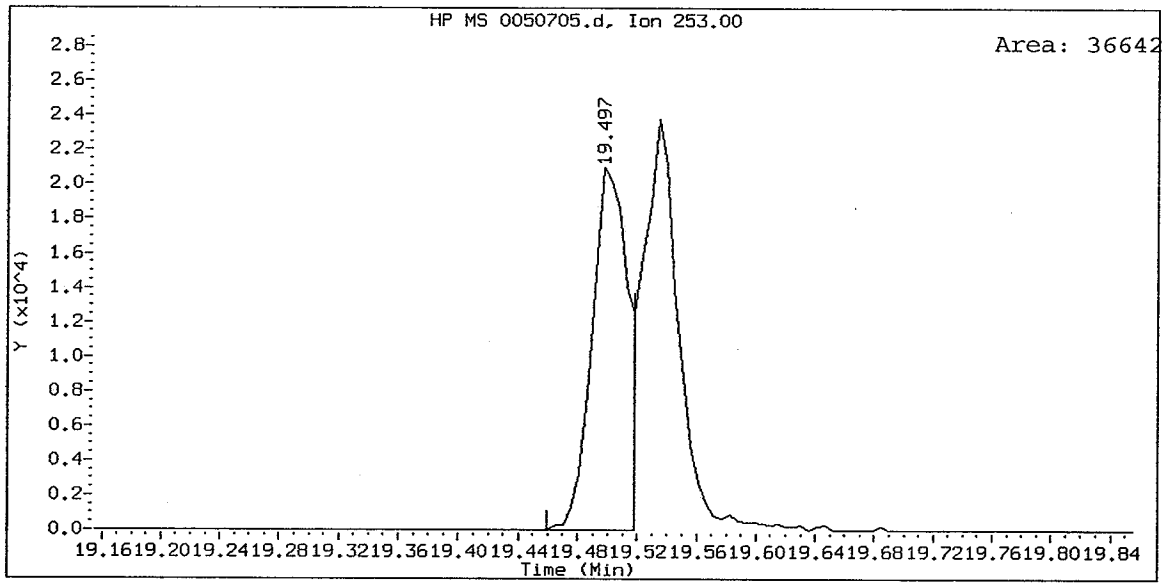
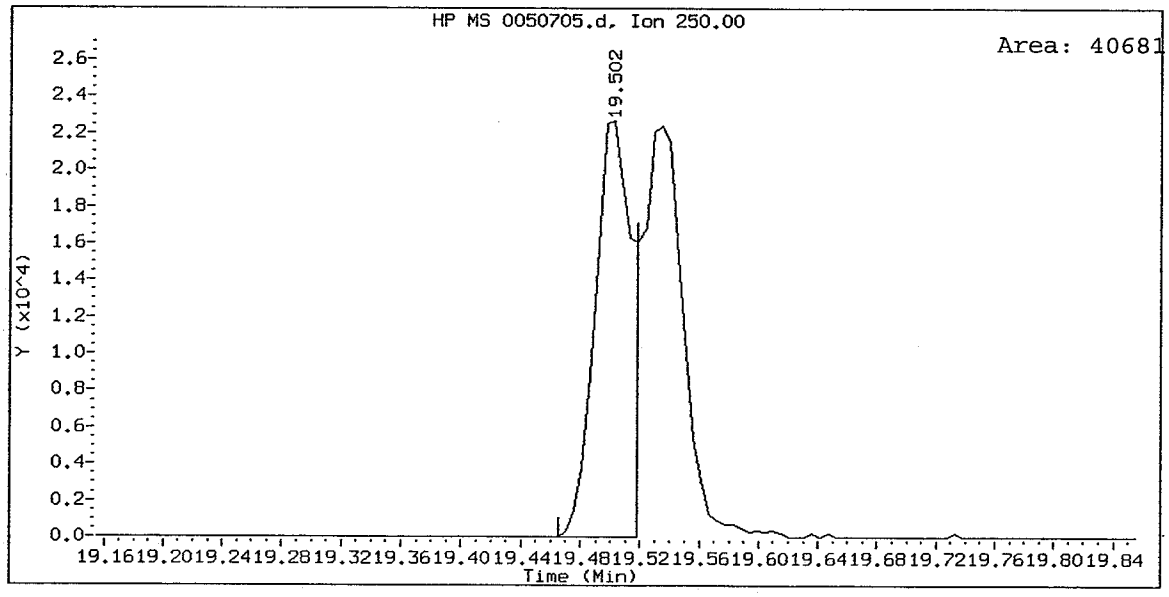
Benzo(b)fluoranthene Amount: 4.85







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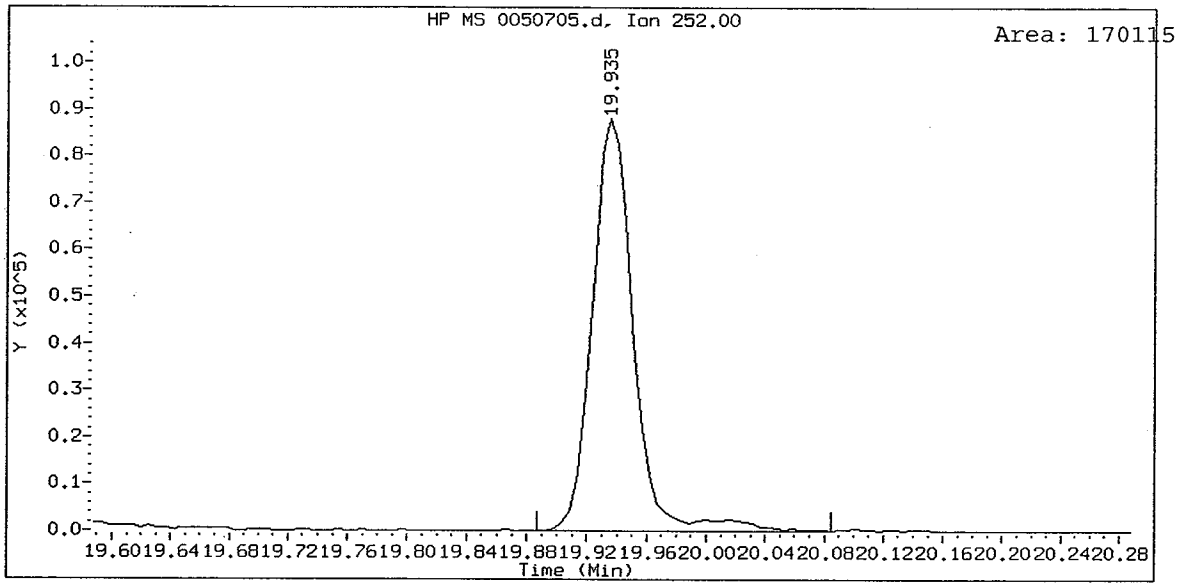
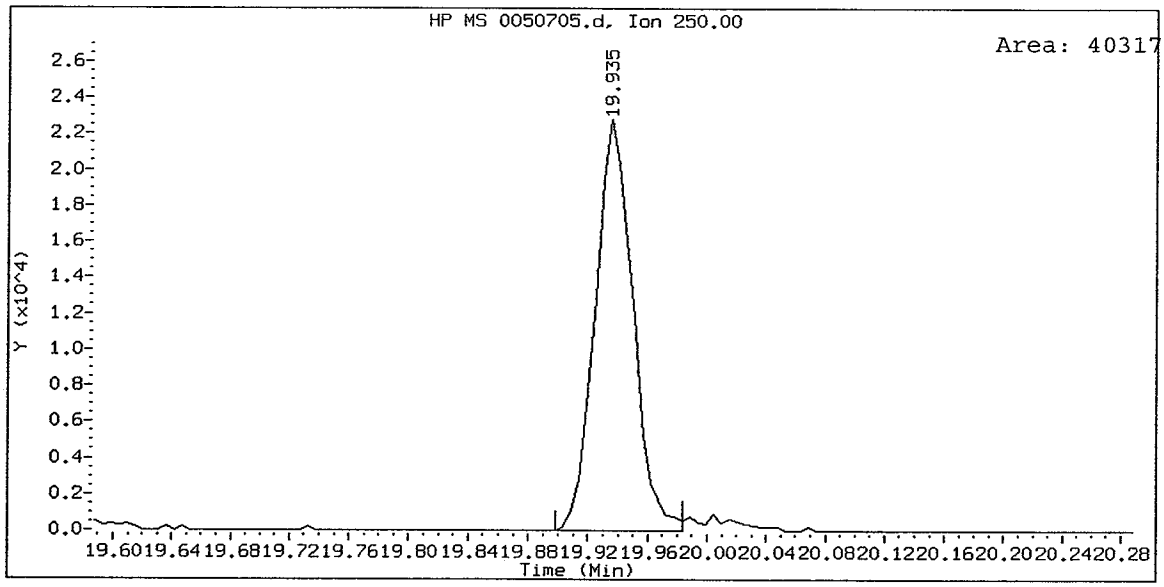
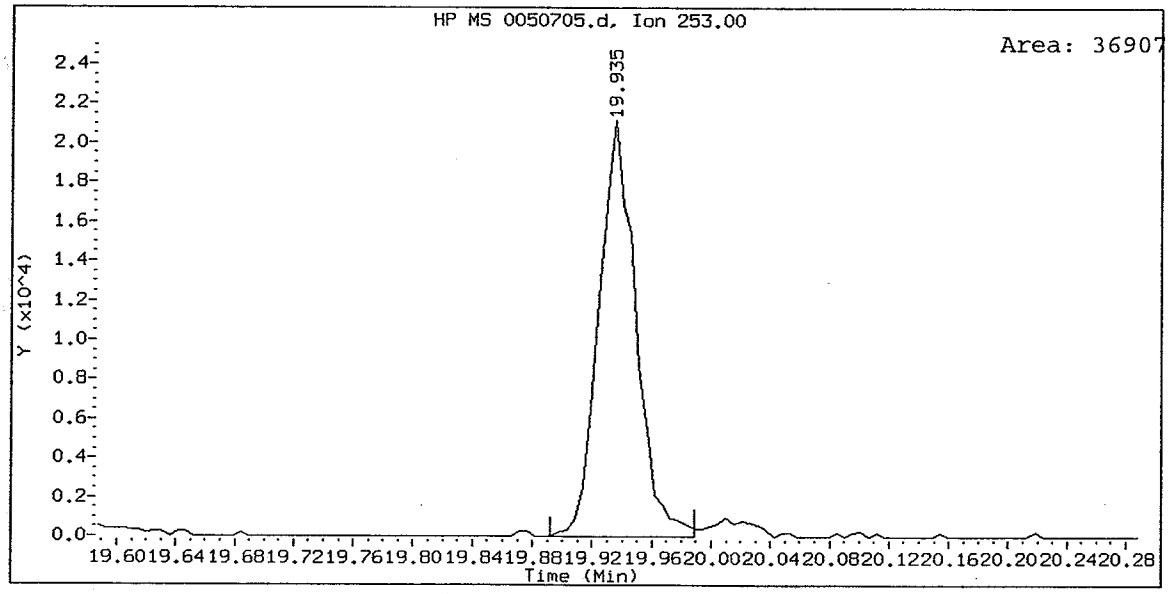
Benzo(a)pyrene Amount: 5.01







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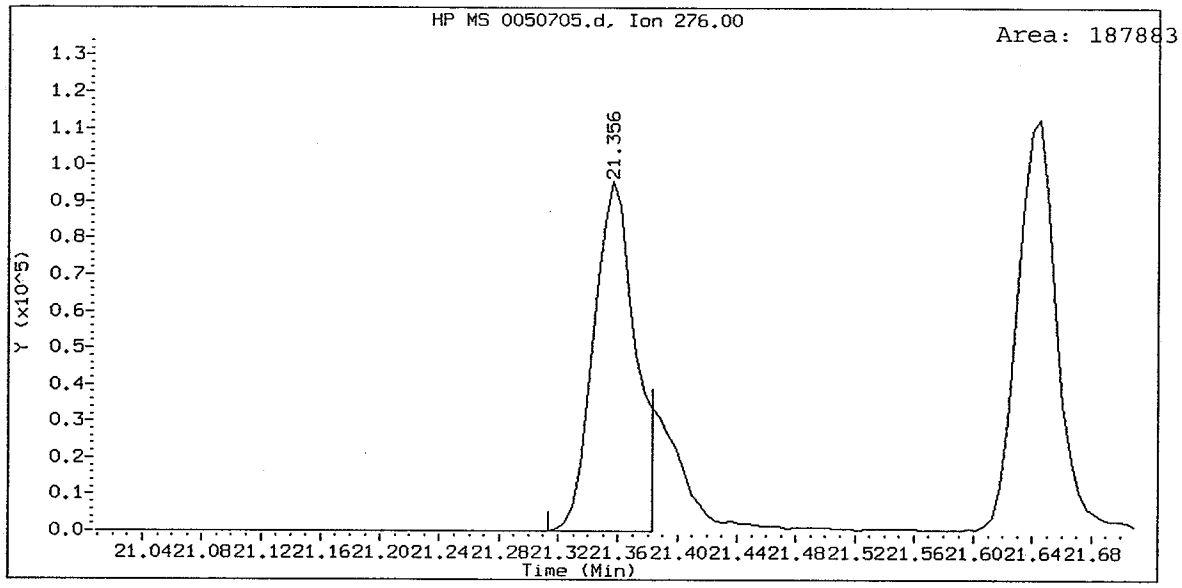
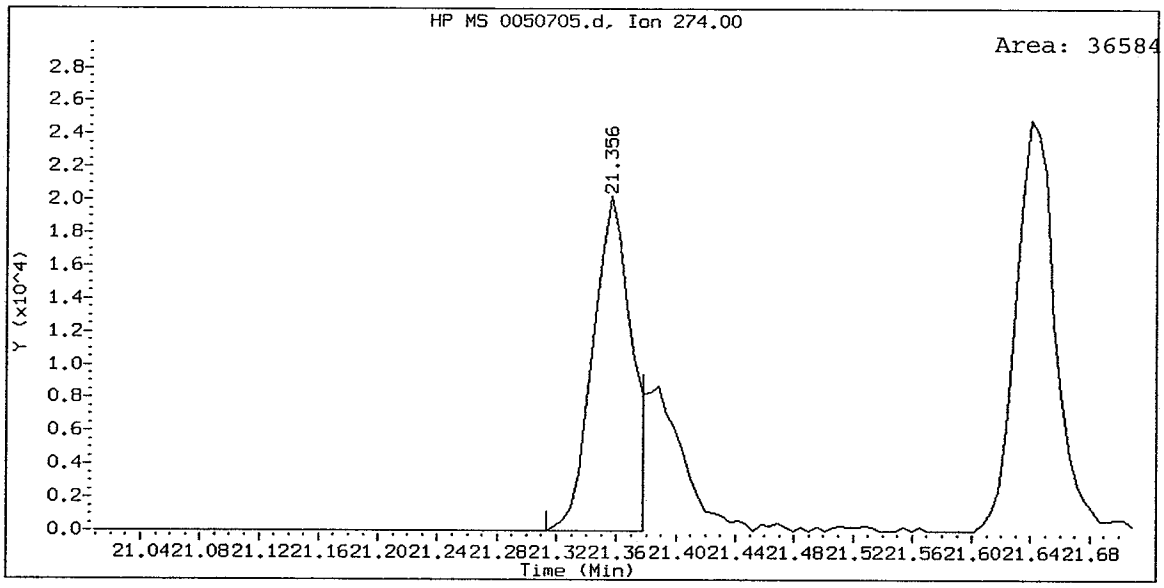
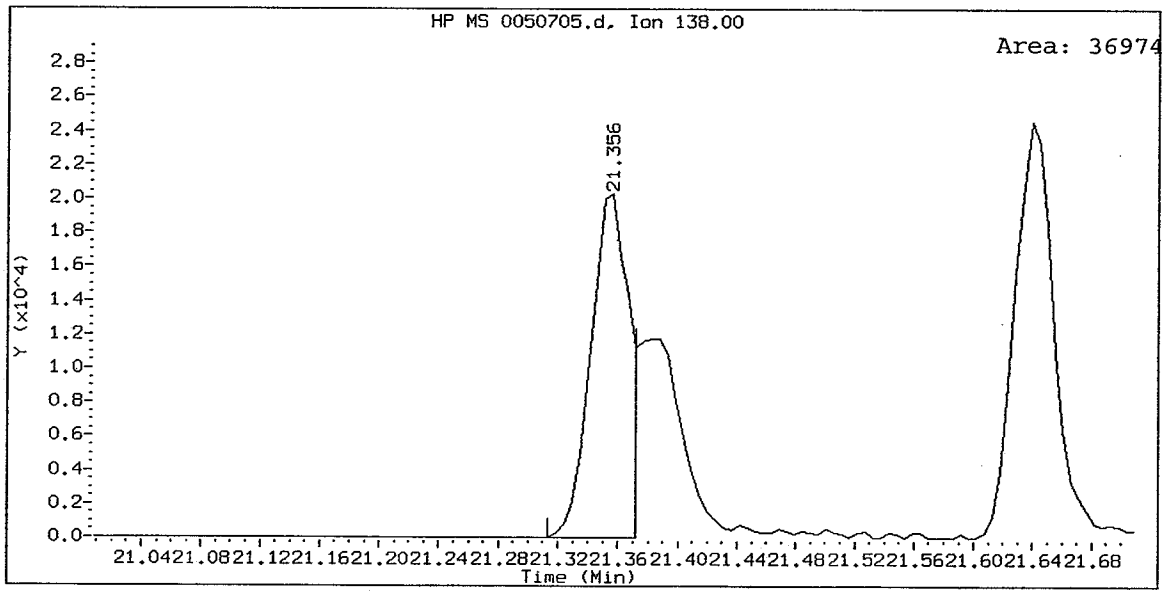
Indeno(1,2,3-cd)pyrene Amount: 4.54







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0100705.d
Lab Smp Id: ABN 10
Inj Date : 05-JUL-2006 12:49
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 10
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff
Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49
Cal File: 0100705.d
Als bottle: 6
Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	4.548	4.548	(0.702)	137288	10.0000	10.06
$ 2 Phenol-d5	99	6.134	6.134	(0.947)	170344	10.0000	10.30
3 Phenol	94	6.150	6.150	(0.950)	209991	10.0000	10.19(M)
$ 5 2-Chlorophenol-d4	132	6.188	6.188	(0.955)	138123	10.0000	9.851
4 Bis(2-Chloroethyl)ether	93	6.188	6.188	(0.955)	158262	10.0000	10.32
6 2-Chlorophenol	128	6.209	6.209	(0.959)	140748	10.0000	9.927
7 1,3-Dichlorobenzene	146	6.407	6.407	(0.989)	159333	10.0000	10.34
* 8 1,4-Dichlorobenzene-d4	152	6.476	6.476	(1.000)	184947	20.0000	
9 1,4-Dichlorobenzene	146	6.497	6.497	(1.003)	163024	10.0000	10.29
$ 10 1,2-Dichlorobenzene-d4	152	6.765	6.765	(1.045)	91548	10.0000	10.13
12 1,2-Dichlorobenzene	146	6.786	6.786	(1.048)	158816	10.0000	10.43
11 Benzyl alcohol	108	6.791	6.791	(1.049)	103752	10.0000	10.57
14 2,2'-oxybis(1-Chloropropane)	45	7.058	7.058	(1.090)	196806	10.0000	10.48
13 2-Methylphenol	108	7.064	7.064	(1.091)	137335	10.0000	10.13
17 Hexachloroethane	117	7.267	7.267	(1.122)	71660	10.0000	10.69
16 N-Nitroso-di-n-propylamine	70	7.267	7.267	(1.122)	142000	10.0000	10.94
15 4-Methylphenol	108	7.299	7.299	(1.127)	138587	10.0000	9.912
$ 18 Nitrobenzene-d5	82	7.400	7.400	(0.872)	182964	10.0000	10.58
19 Nitrobenzene	77	7.427	7.427	(0.875)	203970	10.0000	10.74
20 Isophorone	82	7.817	7.817	(0.921)	316243	10.0000	10.62
21 2-Nitrophenol	139	7.945	7.945	(0.936)	69381	10.0000	9.935
22 2,4-Dimethylphenol	107	8.116	8.116	(0.956)	151469	10.0000	10.40
23 Bis(2-Chloroethoxy)methane	93	8.250	8.250	(0.972)	172428	10.0000	10.40
24 Benzoic acid	105	8.340	8.340	(0.982)	141900	20.0000	18.46(MH)
25 2,4-Dichlorophenol	162	8.340	8.340	(0.982)	107121	10.0000	10.07
26 1,2,4-Trichlorobenzene	180	8.447	8.447	(0.995)	125667	10.0000	10.24
* 27 Naphthalene-d8	136	8.490	8.490	(1.000)	638713	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	8.522	8.522	(1.004)	399014	10.0000	10.28
	29 4-Chloroaniline	127	8.698	8.698	(1.025)	159048	10.0000	10.16
	30 Hexachlorobutadiene	225	8.869	8.869	(1.045)	80519	10.0000	10.45
	31 4-Chloro-3-methylphenol	107	9.553	9.553	(1.125)	122685	10.0000	10.21
	32 2-Methylnaphthalene	141	9.639	9.639	(1.135)	217228	10.0000	10.34
	33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.886)	38728	10.0000	8.261
	34 2,4,6-Trichlorophenol	196	10.167	10.167	(0.898)	76482	10.0000	9.777
	35 2,4,5-Trichlorophenol	196	10.226	10.226	(0.904)	77613	10.0000	9.547
$	36 2-Fluorobiphenyl	172	10.296	10.296	(0.910)	268743	10.0000	10.25
	37 2-Chloronaphthalene	162	10.397	10.397	(0.919)	237141	10.0000	10.29
	38 2-Nitroaniline	65	10.654	10.654	(0.941)	98341	10.0000	10.46
	39 Dimethylphthalate	163	11.060	11.060	(0.977)	254232	10.0000	10.40
	40 Acenaphthylene	152	11.060	11.060	(0.977)	369465	10.0000	10.37
	41 2,6-Dinitrotoluene	165	11.134	11.134	(0.984)	56456	10.0000	10.13
*	42 Acenaphthene-d10	164	11.316	11.316	(1.000)	351204	20.0000	
	43 3-Nitroaniline	138	11.327	11.327	(1.001)	61048	10.0000	10.25
	44 Acenaphthene	153	11.364	11.364	(1.004)	233152	10.0000	10.34
	45 2,4-Dinitrophenol	184	11.492	11.492	(1.016)	13429	20.0000	12.41 (M)
	46 Dibenzofuran	168	11.626	11.626	(1.027)	317213	10.0000	10.22
	47 4-Nitrophenol	109	11.701	11.701	(1.034)	39803	10.0000	10.27 (M)
	48 2,4-Dinitrotoluene	165	11.743	11.743	(1.038)	70859	10.0000	10.02
	50 Diethylphthalate	149	12.208	12.208	(1.079)	242579	10.0000	10.27
	49 Fluorene	166	12.171	12.171	(1.076)	256550	10.0000	10.19
	51 4-Chlorophenyl-phenylether	204	12.230	12.230	(1.081)	135916	10.0000	10.28
	52 4-Nitroaniline	138	12.304	12.304	(1.087)	52126	10.0000	9.969
	53 4,6-Dinitro-2-methylphenol	198	12.384	12.384	(0.908)	55412	20.0000	18.60
	54 N-Nitrosodiphenylamine	169	12.443	12.443	(0.912)	182757	10.0000	10.39
$	55 2,4,6-Tribromophenol	330	12.593	12.593	(1.113)	32523	10.0000	9.630
	56 4-Bromophenyl-phenylether	248	12.993	12.993	(0.952)	72977	10.0000	10.15
	57 Hexachlorobenzene	284	13.180	13.180	(0.966)	76141	10.0000	10.11
	58 Pentachlorophenol	266	13.496	13.496	(0.989)	37752	10.0000	9.200
*	59 Phenanthrene-d10	188	13.645	13.645	(1.000)	512120	20.0000	
	60 Phenanthrene	178	13.683	13.683	(1.003)	351751	10.0000	10.32
	61 Anthracene	178	13.752	13.752	(1.008)	353494	10.0000	10.33
	62 Carbazole	167	14.057	14.057	(1.030)	288667	10.0000	10.48
	63 Di-n-butylphthalate	149	14.842	14.842	(1.088)	345034	10.0000	10.45
	64 Fluoranthene	202	15.584	15.584	(1.142)	341616	10.0000	10.16
	65 Pyrene	202	15.926	15.926	(0.890)	369931	10.0000	10.57
$	66 Terphenyl-d14	244	16.300	16.300	(0.911)	231491	10.0000	10.52
	67 Butylbenzylphthalate	149	17.219	17.219	(0.962)	138839	10.0000	10.69
	68 Benzo(a)anthracene	228	17.876	17.876	(0.999)	327511	10.0000	10.43
*	69 Chrysene-d12	240	17.898	17.898	(1.000)	415649	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.930	17.930	(1.002)	116759	10.0000	10.32
	71 Chrysene	228	17.935	17.935	(1.002)	320394	10.0000	10.27
	72 bis(2-Ethylhexyl)phthalate	149	18.245	18.245	(0.952)	185862	10.0000	10.67
*	134 Di-n-octylphthalate-d4	153	19.174	19.174	(1.000)	689842	20.0000	
	73 Di-n-octylphthalate	149	19.180	19.180	(1.000)	344359	10.0000	10.45

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	19.506	19.506	(0.974)	325410	10.0000	10.03(H)
75 Benzo(k)fluoranthene	252	19.538	19.538	(0.976)	357719	10.0000	10.67
76 Benzo(a)pyrene	252	19.938	19.938	(0.996)	313567	10.0000	10.04
* 77 Perylene-d12	264	20.024	20.024	(1.000)	494060	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.359	21.359	(1.067)	378463	10.0000	9.965
79 Dibenzo(a,h)anthracene	278	21.391	21.391	(1.068)	387263	10.0000	10.38
80 Benzo(g,h,i)perylene	276	21.648	21.648	(1.081)	419952	10.0000	10.56
90 N-Nitrosodimethylamine	74	2.026	2.026	(0.313)	105578	10.0000	10.58
103 Pyridine	79	2.010	2.010	(0.310)	212811	10.0000	10.41
91 Aniline	93	6.049	6.049	(0.934)	244539	10.0000	10.05
105 1-methylnaphthalene	141	9.799	9.799	(1.154)	227157	10.0000	10.35
93 Benzidine	184	15.878	15.878	(0.887)	97674	10.0000	8.113
98 Retene	219	16.525	16.525	(0.923)	160336	10.0000	10.58
111 Azobenzene (1,2-DP-Hydrazine)	77	12.475	12.475	(1.102)	360042	10.0000	10.48
144 alpha-Terpineol	59	8.592	8.592	(1.012)	119640	10.0000	10.24
143 1,4-Dioxane	88	1.625	1.625	(0.251)	69051	10.0000	9.933
$ 137 d8-1,4-Dioxane	96	1.593	1.593	(0.246)	66414	10.0000	9.974
133 Butylatedhydroxytoluene	205	11.556	11.556	(1.021)	179420	10.0000	9.025
115 Tributyl Phosphate	99	12.603	12.603	(0.924)	276464	10.0000	10.75
116 Dibutyl Phenyl Phosphate	175	14.297	14.297	(1.048)	208501	10.0000	10.42
117 Butyl Diphenyl Phosphate	94	15.942	15.942	(0.891)	65625	10.0000	10.97
118 Triphenyl Phosphate	326	17.513	17.513	(0.978)	49934	10.0000	10.07

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0100705.d
Lab Smp Id: ABN 10
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	184947	-7.85
27 Naphthalene-d8	684917	342458	1369834	638713	-6.75
42 Acenaphthene-d10	379750	189875	759500	351204	-7.52
59 Phenanthrene-d10	559641	279820	1119282	512120	-8.49
69 Chrysene-d12	488455	244228	976910	415649	-14.91
134 Di-n-octylphthala	797584	398792	1595168	689842	-13.51
77 Perylene-d12	578815	289408	1157630	494060	-14.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.48	0.05
27 Naphthalene-d8	8.49	7.99	8.99	8.49	-0.02
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	-0.02
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	-0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.04
134 Di-n-octylphthala	19.18	18.68	19.68	19.17	-0.01
77 Perylene-d12	20.02	19.52	20.52	20.02	0.02

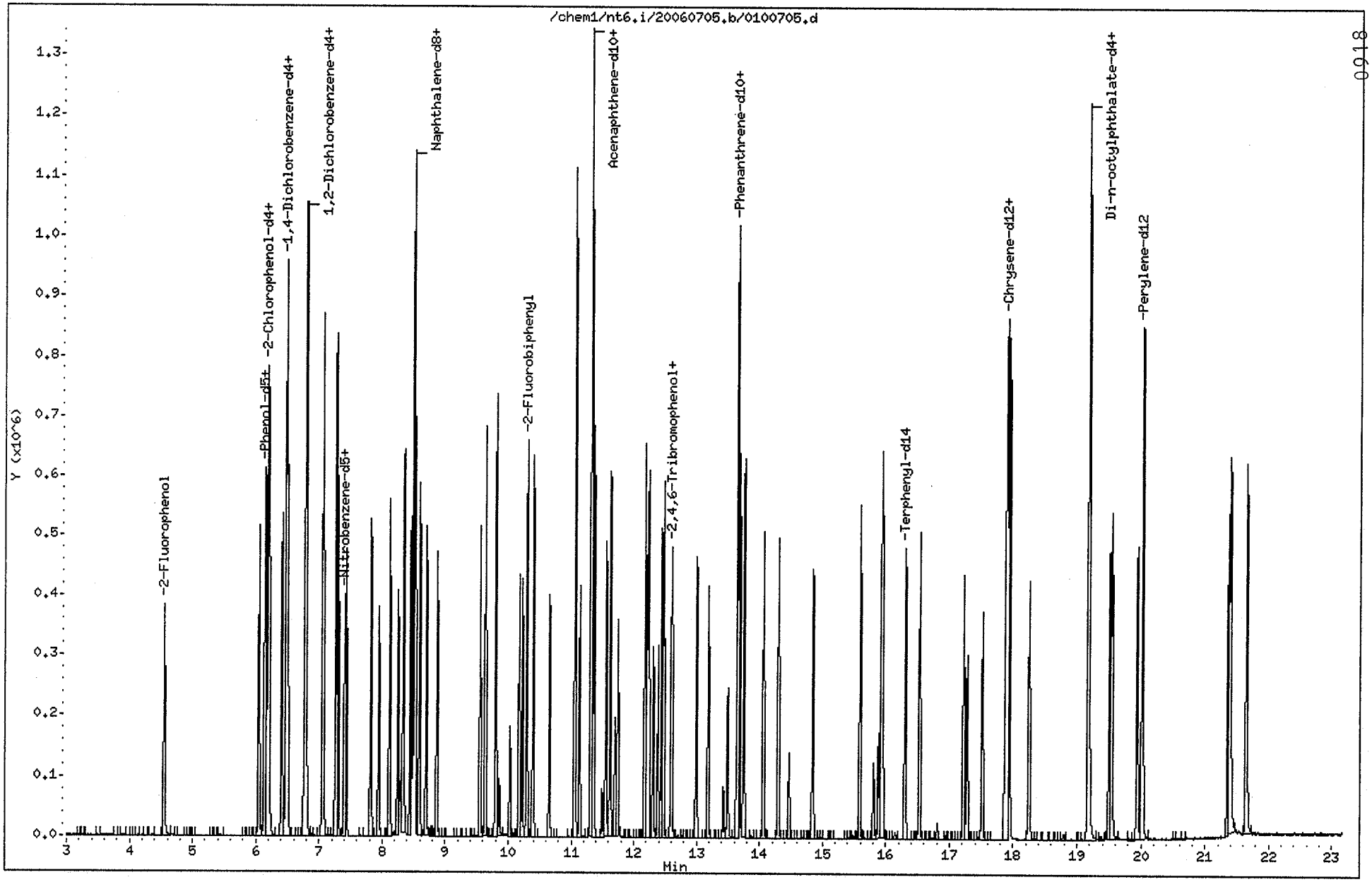
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0100705.d
Date : 05-JUL-2006 12:49
Client ID:
Sample Info: ABN 10

Column phase: ZB-5

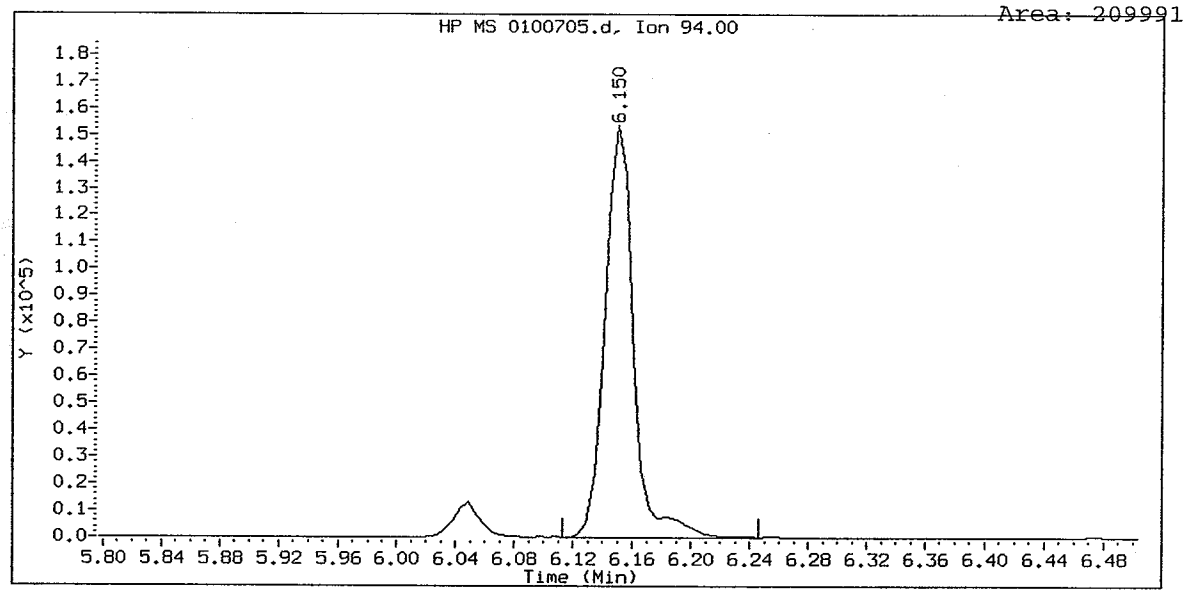
Instrument: nt6.i

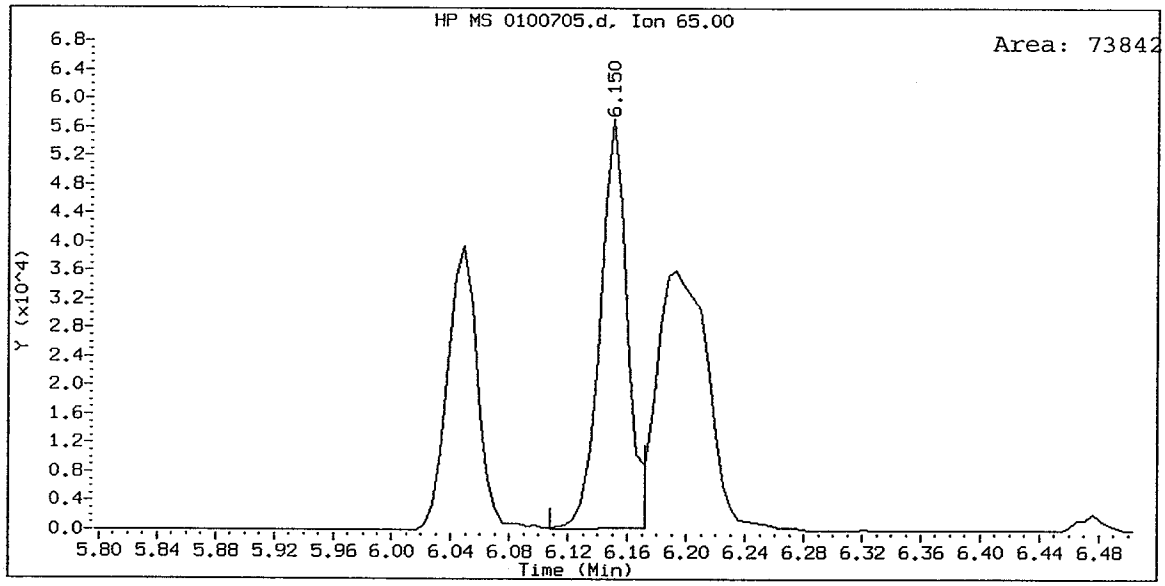
Operator: LJR
Column diameter: 0.32

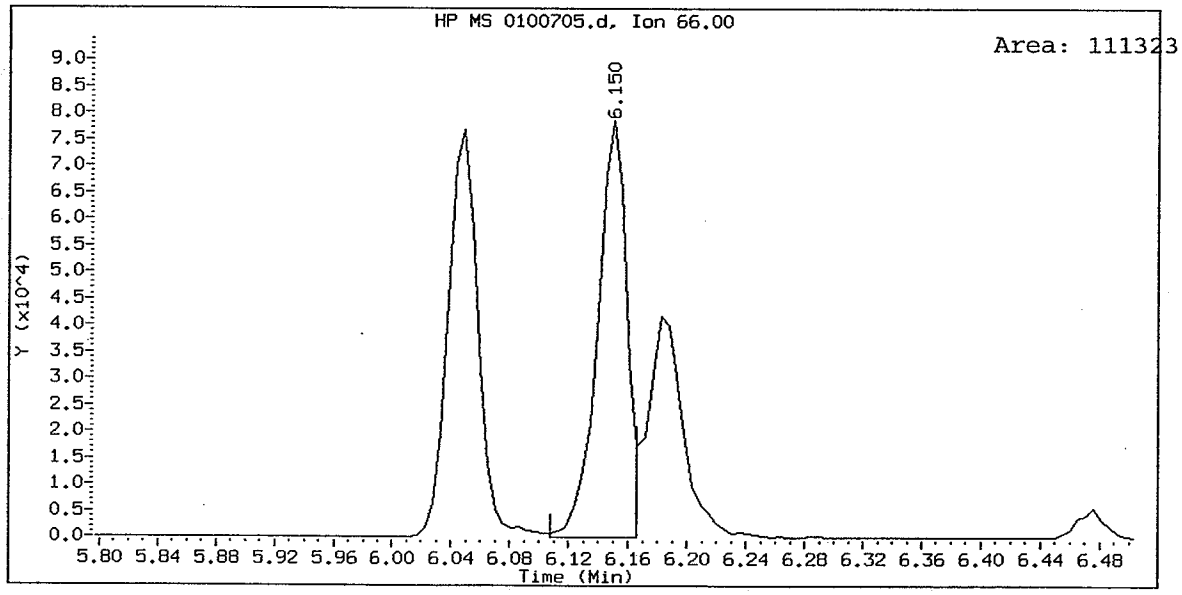


0018

ABN 10, /chem1/nt6.i/20060705.b/0100705.d
Phenol Amount: 10.19







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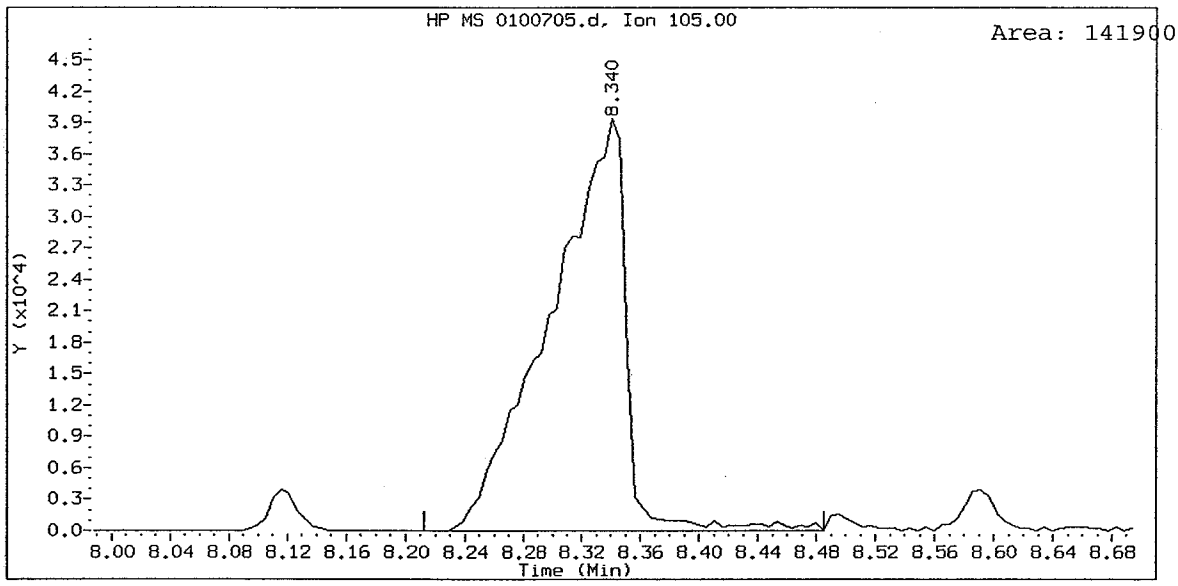
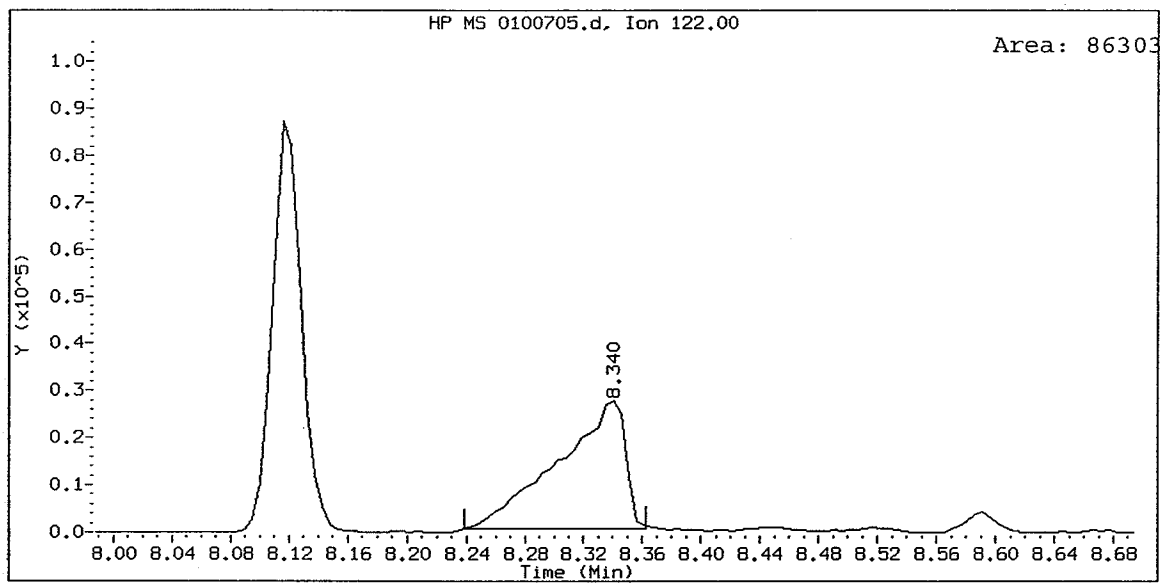
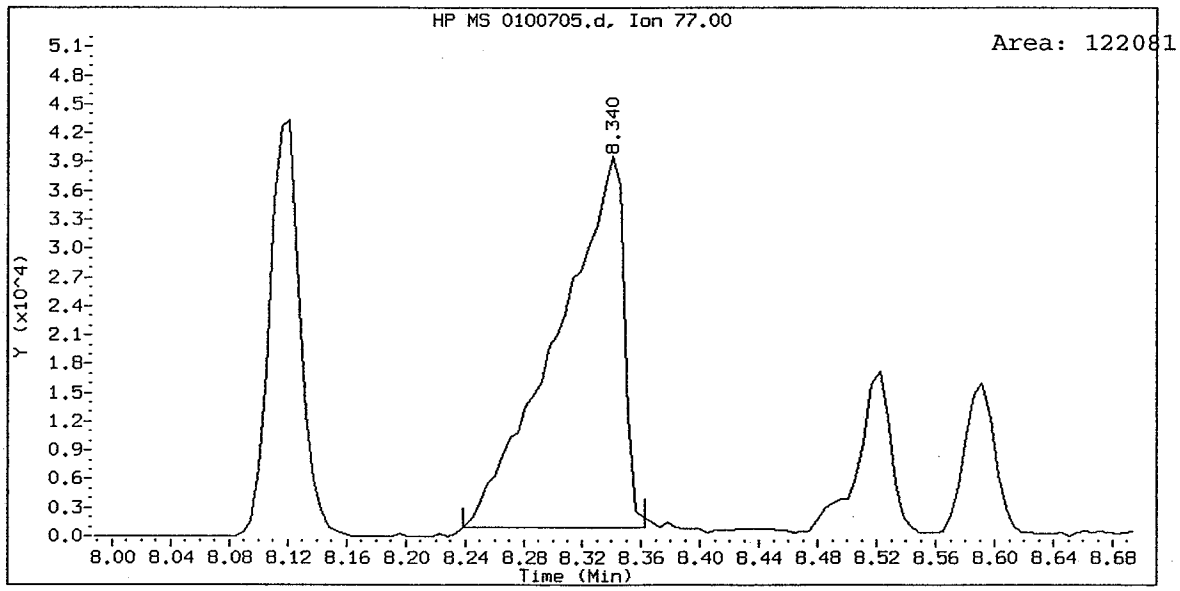
Benzoic acid Amount: 18.46







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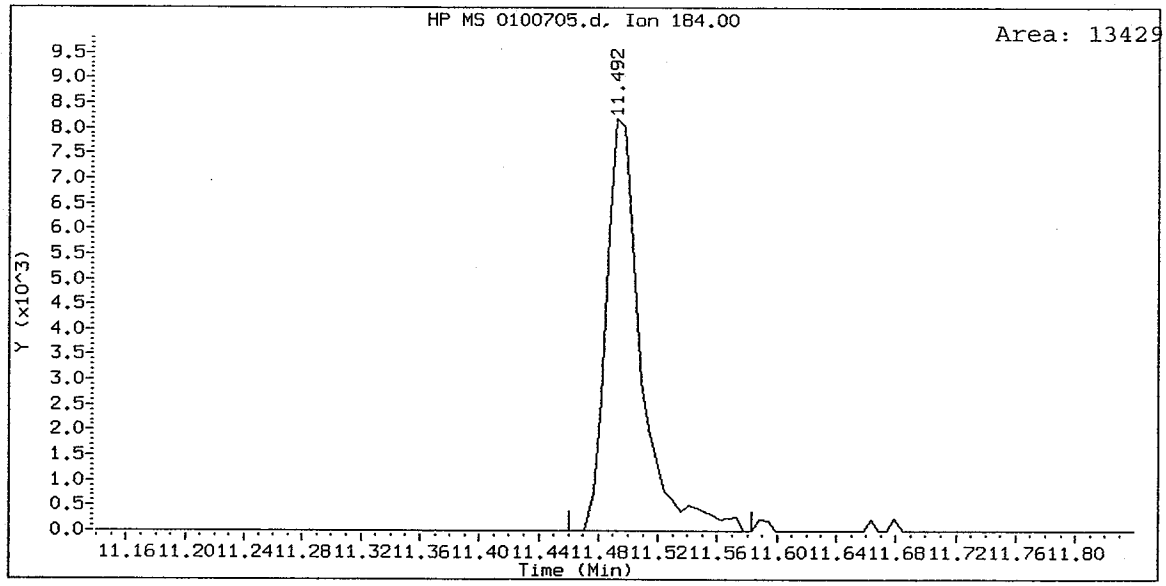
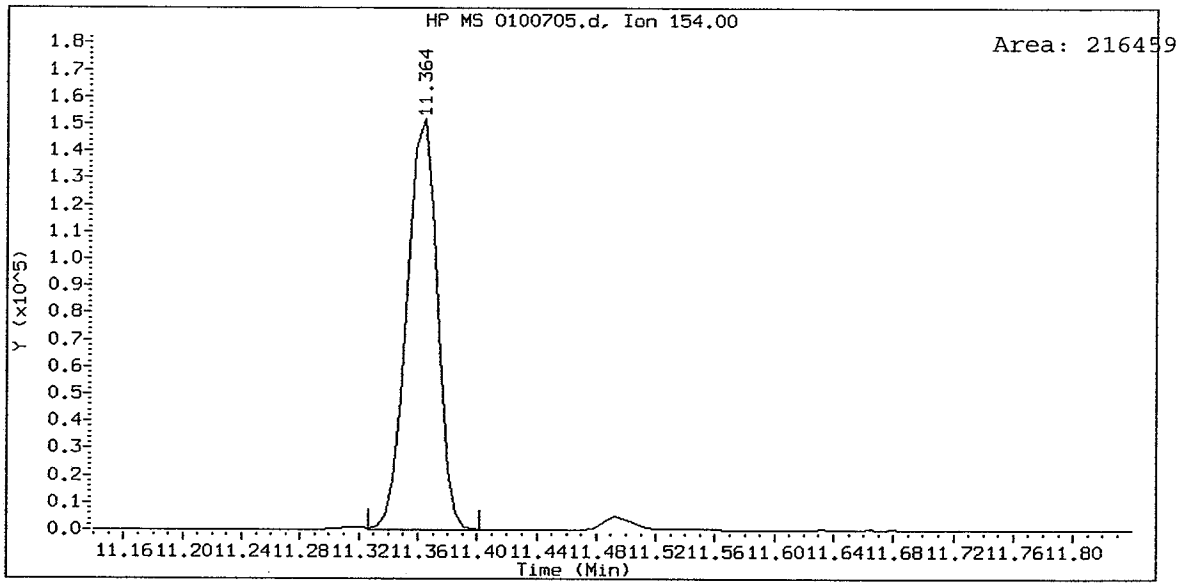
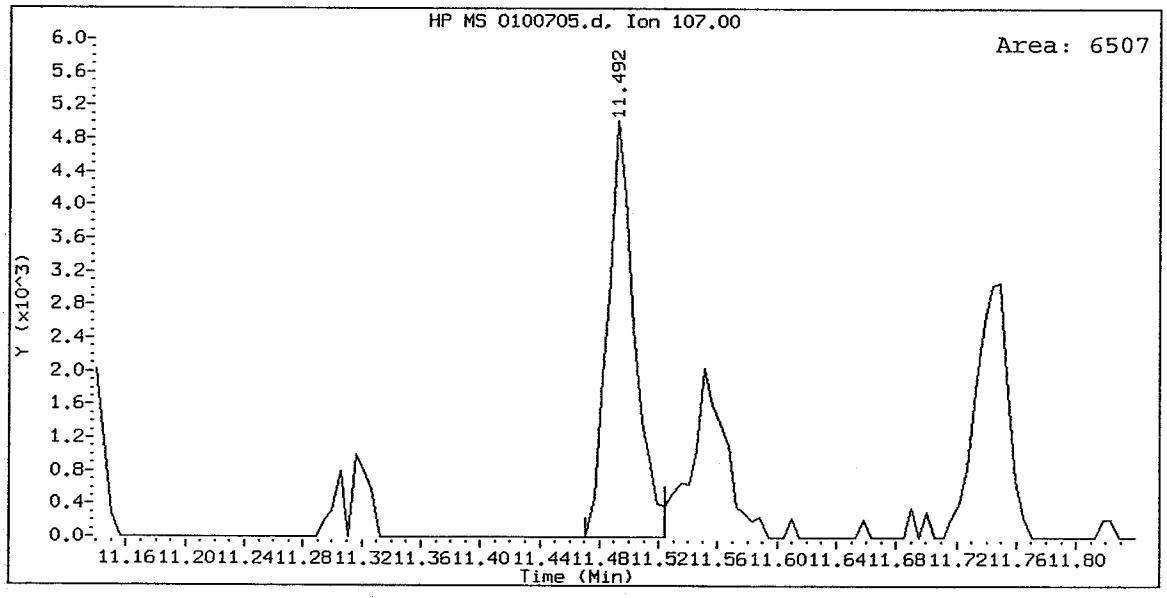
2,4-Dinitrophenol Amount: 12.41







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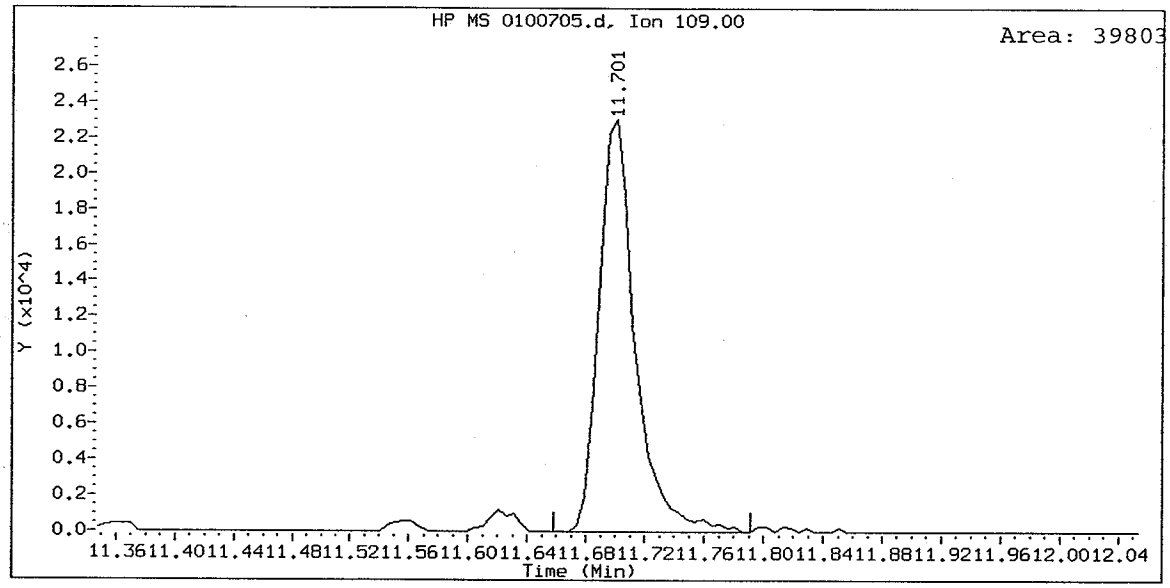
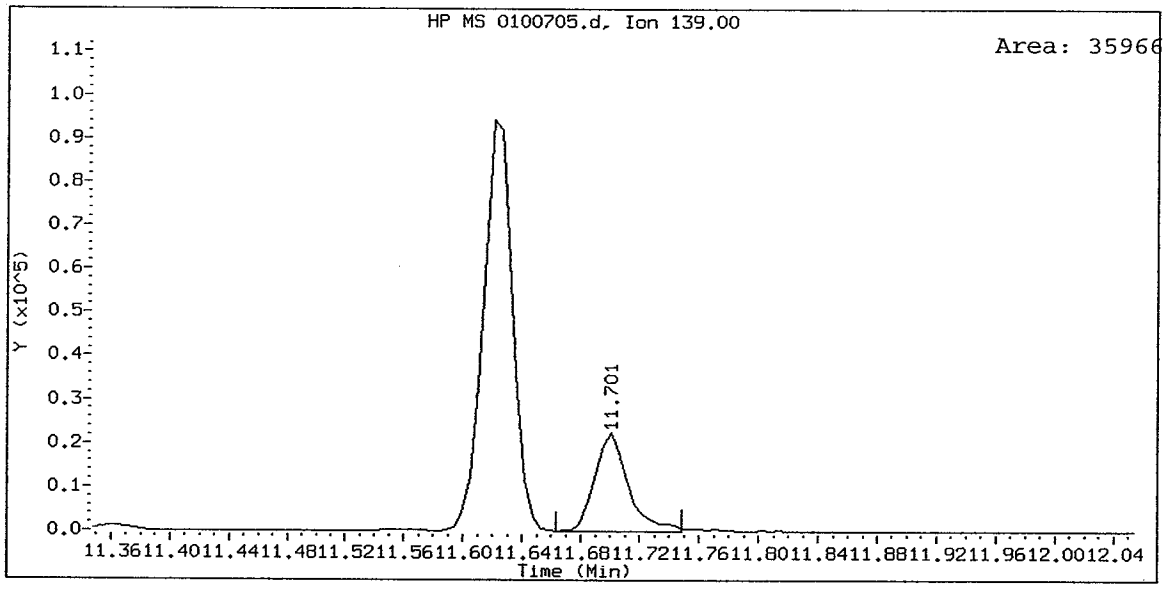
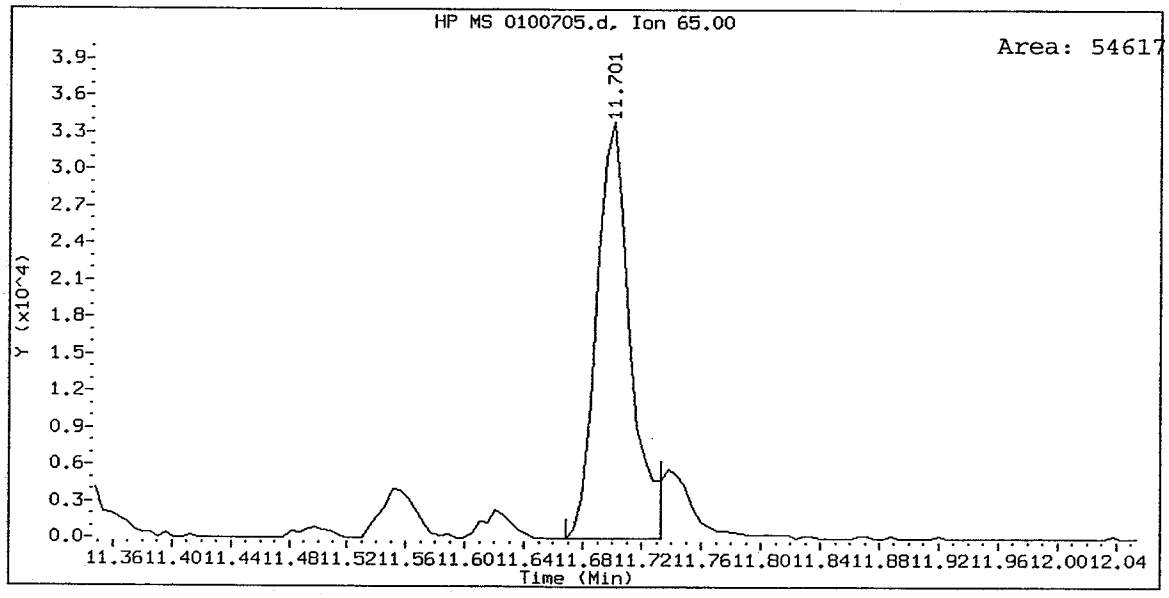
4-Nitrophenol Amount: 10.27







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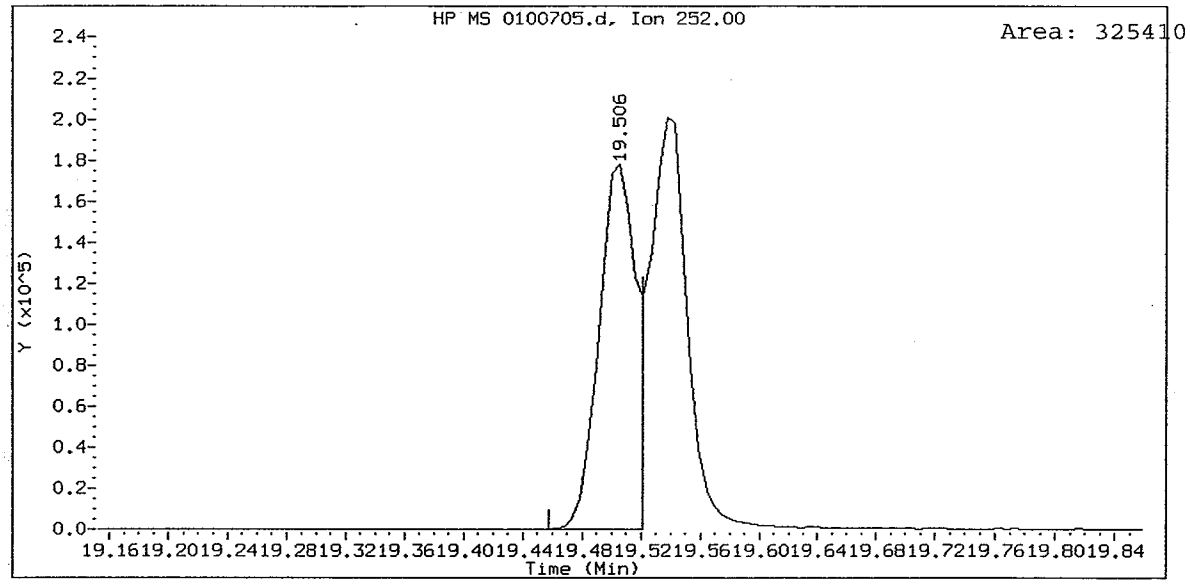
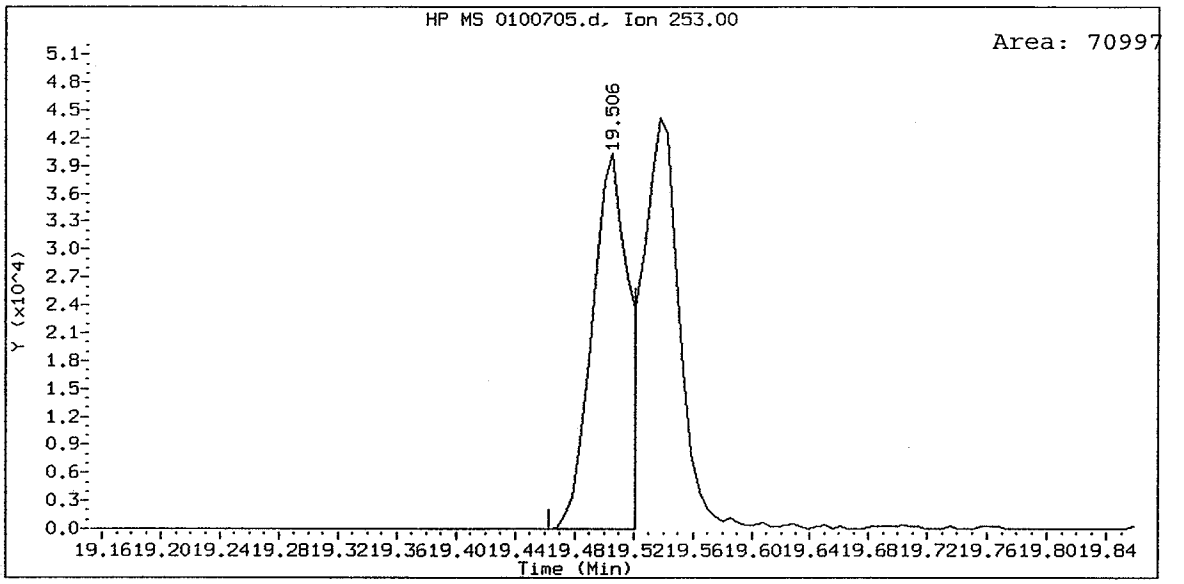
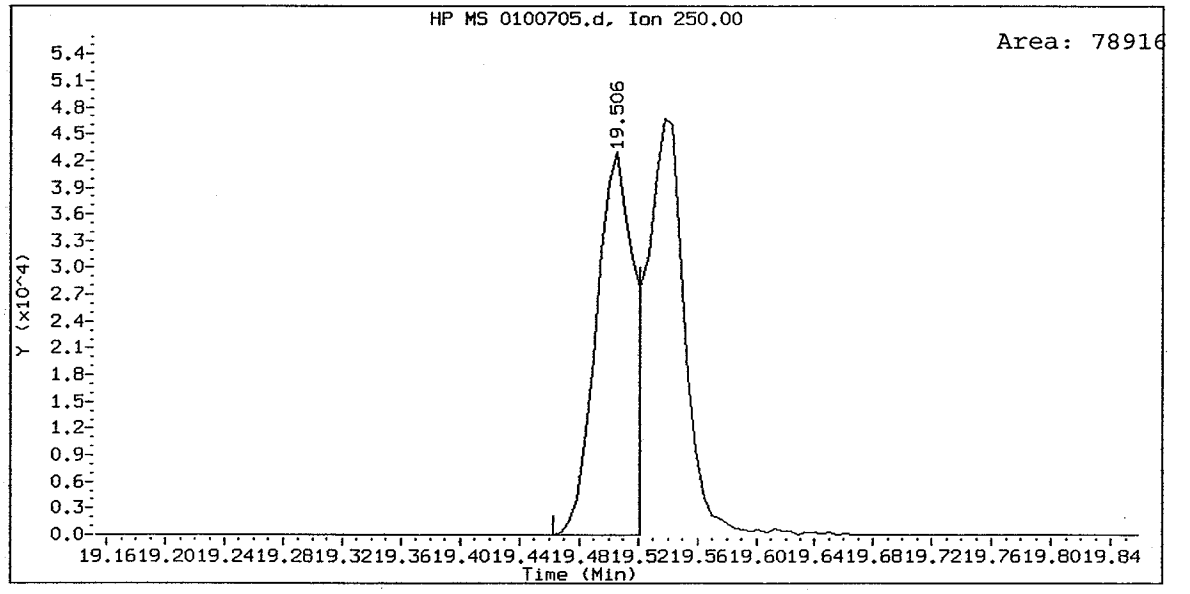
Benzo(b)fluoranthene Amount: 10.03







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0250705.d
Lab Smp Id: ABN 25
Inj Date : 05-JUL-2006 10:16
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff
Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49
Cal File: 0100705.d
Als bottle: 1
Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 7/5/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	4.544	4.548	(0.702)	363774	25.0000	24.56 (M)
$ 2 Phenol-d5	99	6.136	6.134	(0.948)	432334	25.0000	24.09
3 Phenol	94	6.158	6.150	(0.951)	531797	25.0000	23.78 (M)
$ 5 2-Chlorophenol-d4	132	6.184	6.188	(0.955)	365223	25.0000	24.00
4 Bis(2-Chloroethyl)ether	93	6.190	6.188	(0.956)	407278	25.0000	24.48
6 2-Chlorophenol	128	6.211	6.209	(0.960)	368031	25.0000	23.92
7 1,3-Dichlorobenzene	146	6.409	6.407	(0.990)	402813	25.0000	24.09
* 8 1,4-Dichlorobenzene-d4	152	6.473	6.476	(1.000)	200696	20.0000	
9 1,4-Dichlorobenzene	146	6.499	6.497	(1.004)	411634	25.0000	23.95
$ 10 1,2-Dichlorobenzene-d4	152	6.767	6.765	(1.045)	233111	25.0000	23.77
12 1,2-Dichlorobenzene	146	6.788	6.786	(1.049)	402723	25.0000	24.37
11 Benzyl alcohol	108	6.793	6.791	(1.050)	262073	25.0000	24.60
14 2,2'-oxybis(1-Chloropropane)	45	7.055	7.058	(1.090)	500929	25.0000	24.59
13 2-Methylphenol	108	7.066	7.064	(1.092)	359742	25.0000	24.45
17 Hexachloroethane	117	7.263	7.267	(1.122)	181895	25.0000	25.00
16 N-Nitroso-di-n-propylamine	70	7.274	7.267	(1.124)	340966	25.0000	24.22
15 4-Methylphenol	108	7.306	7.299	(1.129)	362919	25.0000	23.92
$ 18 Nitrobenzene-d5	82	7.402	7.400	(0.872)	442175	25.0000	23.85
19 Nitrobenzene	77	7.429	7.427	(0.875)	497457	25.0000	24.44
20 Isophorone	82	7.819	7.817	(0.921)	783643	25.0000	24.54
21 2-Nitrophenol	139	7.947	7.945	(0.936)	182333	25.0000	24.35
22 2,4-Dimethylphenol	107	8.123	8.116	(0.957)	373677	25.0000	23.92
23 Bis(2-Chloroethoxy)methane	93	8.252	8.250	(0.972)	436013	25.0000	24.51
24 Benzoic acid	105	8.364	8.340	(0.985)	210081	25.0000	25.48 (M)
25 2,4-Dichlorophenol	162	8.342	8.340	(0.982)	274146	25.0000	24.03
26 1,2,4-Trichlorobenzene	180	8.449	8.447	(0.995)	317155	25.0000	24.11
* 27 Naphthalene-d8	136	8.492	8.490	(1.000)	684917	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	8.524	8.522	(1.004)	1014748	25.0000	24.37
29 4-Chloroaniline	127	8.700	8.698	(1.025)	410016	25.0000	24.42
30 Hexachlorobutadiene	225	8.866	8.869	(1.044)	201447	25.0000	24.37
31 4-Chloro-3-methylphenol	107	9.555	9.553	(1.125)	316100	25.0000	24.53
32 2-Methylnaphthalene	141	9.641	9.639	(1.135)	540371	25.0000	24.00
33 Hexachlorocyclopentadiene	237	10.025	10.029	(0.886)	133428	25.0000	26.32
34 2,4,6-Trichlorophenol	196	10.169	10.167	(0.899)	202472	25.0000	23.94
35 2,4,5-Trichlorophenol	196	10.228	10.226	(0.904)	218750	25.0000	24.89
$ 36 2-Fluorobiphenyl	172	10.303	10.296	(0.910)	670966	25.0000	23.66
37 2-Chloronaphthalene	162	10.399	10.397	(0.919)	601907	25.0000	24.16
38 2-Nitroaniline	65	10.661	10.654	(0.942)	240054	25.0000	23.62
39 Dimethylphthalate	163	11.062	11.060	(0.977)	643086	25.0000	24.33
40 Acenaphthylene	152	11.062	11.060	(0.977)	948979	25.0000	24.64
41 2,6-Dinitrotoluene	165	11.136	11.134	(0.984)	148582	25.0000	24.66
* 42 Acenaphthene-d10	164	11.318	11.316	(1.000)	379750	20.0000	
43 3-Nitroaniline	138	11.334	11.327	(1.001)	158654	25.0000	24.63
44 Acenaphthene	153	11.366	11.364	(1.004)	594797	25.0000	24.39
45 2,4-Dinitrophenol	184	11.494	11.492	(1.016)	22742	25.0000	19.44 (M)
46 Dibenzofuran	168	11.628	11.626	(1.027)	810245	25.0000	24.15
47 4-Nitrophenol	109	11.703	11.701	(1.034)	101307	25.0000	24.17
48 2,4-Dinitrotoluene	165	11.745	11.743	(1.038)	189231	25.0000	24.75
50 Diethylphthalate	149	12.216	12.208	(1.079)	611365	25.0000	23.94
49 Fluorene	166	12.173	12.171	(1.076)	670900	25.0000	24.65
51 4-Chlorophenyl-phenylether	204	12.232	12.230	(1.081)	342659	25.0000	23.97
52 4-Nitroaniline	138	12.312	12.304	(1.088)	139000	25.0000	24.59 (M)
53 4,6-Dinitro-2-methylphenol	198	12.386	12.384	(0.908)	78086	25.0000	23.98
54 N-Nitrosodiphenylamine	169	12.445	12.443	(0.912)	469822	25.0000	24.44
$ 55 2,4,6-Tribromophenol	330	12.595	12.593	(1.113)	90285	25.0000	24.72
56 4-Bromophenyl-phenylether	248	12.995	12.993	(0.952)	194700	25.0000	24.78
57 Hexachlorobenzene	284	13.182	13.180	(0.966)	201529	25.0000	24.48
58 Pentachlorophenol	266	13.498	13.496	(0.989)	118263	25.0000	26.37
* 59 Phenanthrene-d10	188	13.647	13.645	(1.000)	559641	20.0000	
60 Phenanthrene	178	13.685	13.683	(1.003)	917135	25.0000	24.62
61 Anthracene	178	13.754	13.752	(1.008)	927330	25.0000	24.79
62 Carbazole	167	14.064	14.057	(1.031)	735387	25.0000	24.42
63 Di-n-butylphthalate	149	14.844	14.842	(1.088)	907406	25.0000	25.16
64 Fluoranthene	202	15.592	15.584	(1.142)	924380	25.0000	25.17
65 Pyrene	202	15.928	15.926	(0.890)	983849	25.0000	23.91
$ 66 Terphenyl-d14	244	16.302	16.300	(0.910)	619651	25.0000	23.96
67 Butylbenzylphthalate	149	17.221	17.219	(0.962)	380254	25.0000	24.91
68 Benzo(a)anthracene	228	17.878	17.876	(0.998)	896880	25.0000	24.32
* 69 Chrysene-d12	240	17.905	17.898	(1.000)	488455	20.0000	
70 3,3'-Dichlorobenzidine	252	17.932	17.930	(1.001)	329732	25.0000	24.79
71 Chrysene	228	17.942	17.935	(1.002)	891264	25.0000	24.32
72 bis(2-Ethylhexyl)phthalate	149	18.247	18.245	(0.952)	515180	25.0000	25.58
* 134 Di-n-octylphthalate-d4	153	19.176	19.174	(1.000)	797584	20.0000	
73 Di-n-octylphthalate	149	19.182	19.180	(1.000)	931747	25.0000	24.46

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	19.513	19.506	(0.975)	971082	25.0000	25.55
75 Benzo(k)fluoranthene	252	19.545	19.538	(0.976)	969613	25.0000	24.68
76 Benzo(a)pyrene	252	19.946	19.938	(0.996)	912968	25.0000	24.96
* 77 Perylene-d12	264	20.020	20.024	(1.000)	578815	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.367	21.359	(1.067)	1100865	25.0000	24.74
79 Dibenzo(a,h)anthracene	278	21.404	21.391	(1.069)	1112466	25.0000	25.45
80 Benzo(g,h,i)perylene	276	21.660	21.648	(1.082)	1173451	25.0000	25.19
90 N-Nitrosodimethylamine	74	2.028	2.026	(0.313)	268061	25.0000	24.76
103 Pyridine	79	2.007	2.010	(0.310)	540429	25.0000	24.36
91 Aniline	93	6.051	6.049	(0.935)	649874	25.0000	24.62
105 1-methylnaphthalene	141	9.801	9.799	(1.154)	579953	25.0000	24.64
93 Benzidine	184	15.886	15.878	(0.887)	360254	25.0000	25.46
98 Retene	219	16.527	16.525	(0.923)	427440	25.0000	23.99
111 Azobenzene (1,2-DP-Hydrazine)	77	12.477	12.475	(1.102)	919768	25.0000	24.75
144 alpha-Terpineol	59	8.594	8.592	(1.012)	302823	25.0000	24.17
143 1,4-Dioxane	88	1.617	1.625	(0.250)	188036	25.0000	24.93
$ 137 d8-1,4-Dioxane	96	1.590	1.593	(0.246)	179510	25.0000	24.84
133 Butylatedhydroxytoluene	205	11.558	11.556	(1.021)	530398	25.0000	24.67
115 Tributyl Phosphate	99	12.611	12.603	(0.924)	695732	25.0000	24.75
116 Dibutyl Phenyl Phosphate	175	14.299	14.297	(1.048)	545696	25.0000	24.95
117 Butyl Diphenyl Phosphate	94	15.944	15.942	(0.890)	170121	25.0000	24.20
118 Triphenyl Phosphate	326	17.515	17.513	(0.978)	140344	25.0000	24.08

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0250705.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	200696	0.00
27 Naphthalene-d8	684917	342458	1369834	684917	0.00
42 Acenaphthene-d10	379750	189875	759500	379750	0.00
59 Phenanthrene-d10	559641	279820	1119282	559641	0.00
69 Chrysene-d12	488455	244228	976910	488455	0.00
134 Di-n-octylphthala	797584	398792	1595168	797584	0.00
77 Perylene-d12	578815	289408	1157630	578815	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.00
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.00
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	0.00
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.00
69 Chrysene-d12	17.90	17.40	18.40	17.90	0.00
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.00
77 Perylene-d12	20.02	19.52	20.52	20.02	0.00

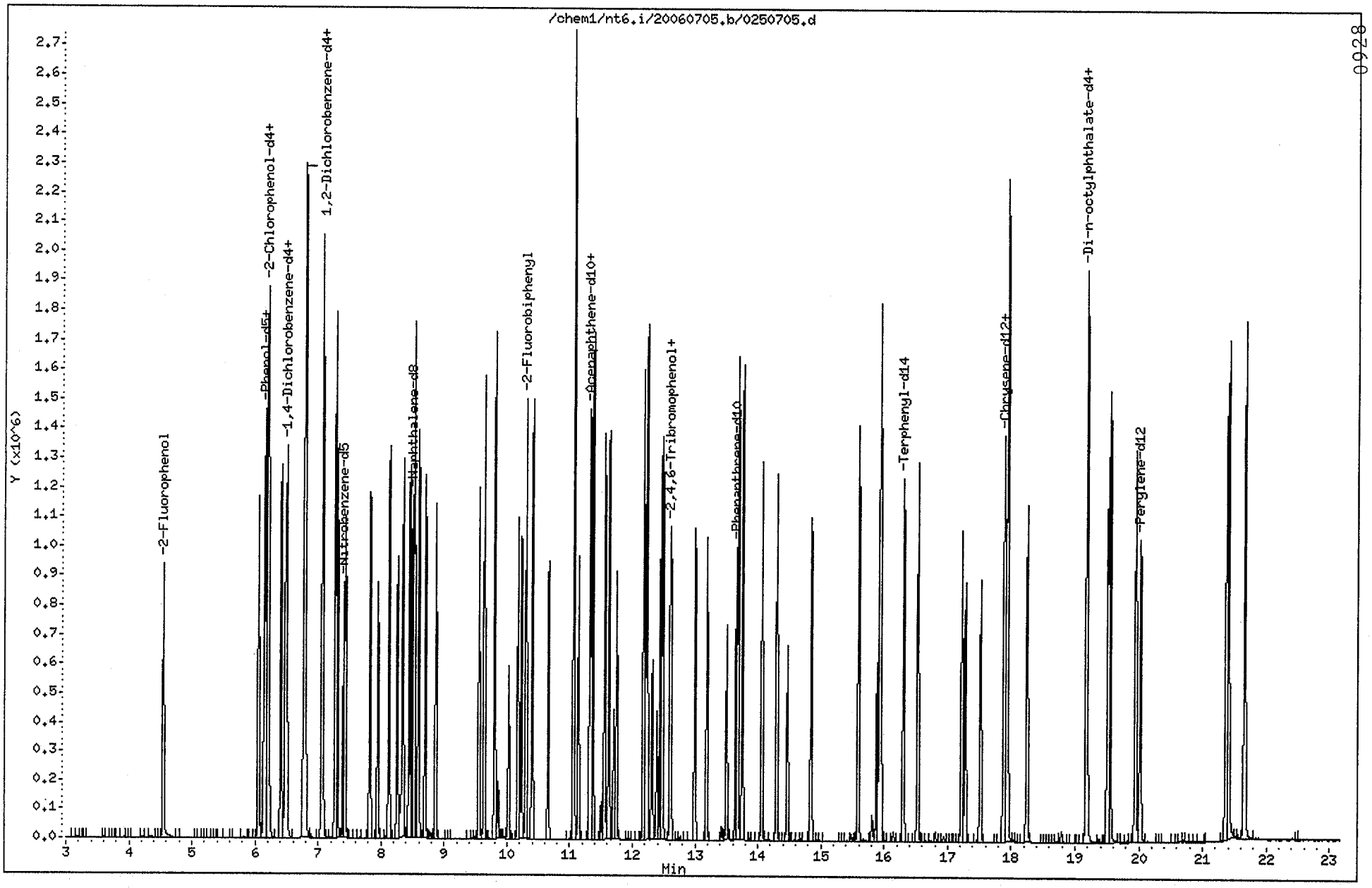
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0250705.d
Date : 05-JUL-2006 10:16
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

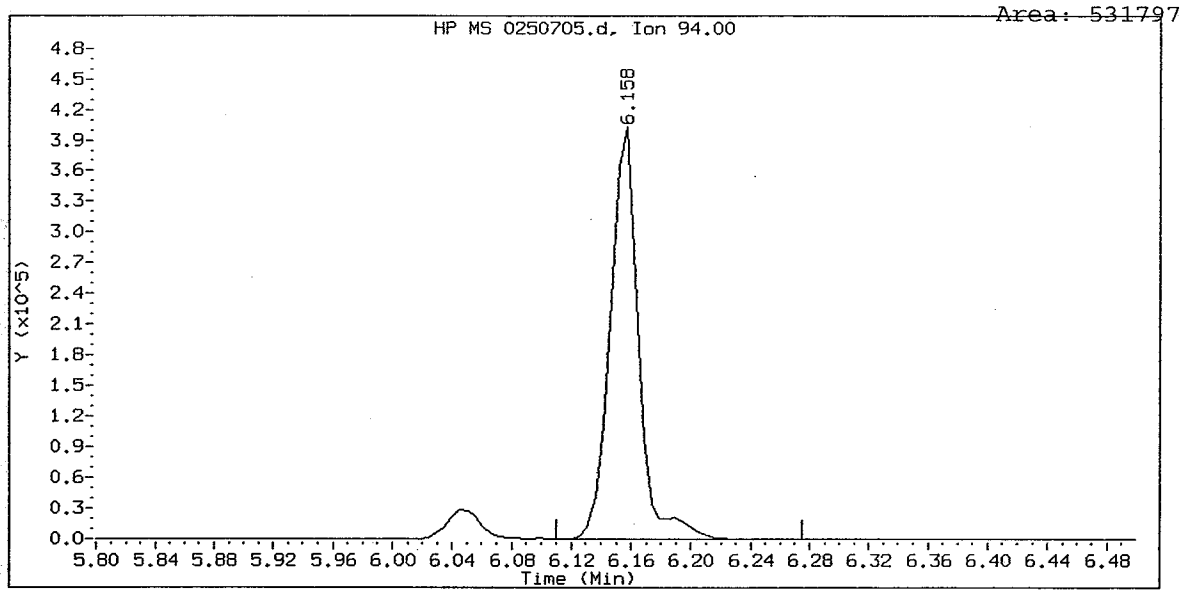
Instrument: nt6.i

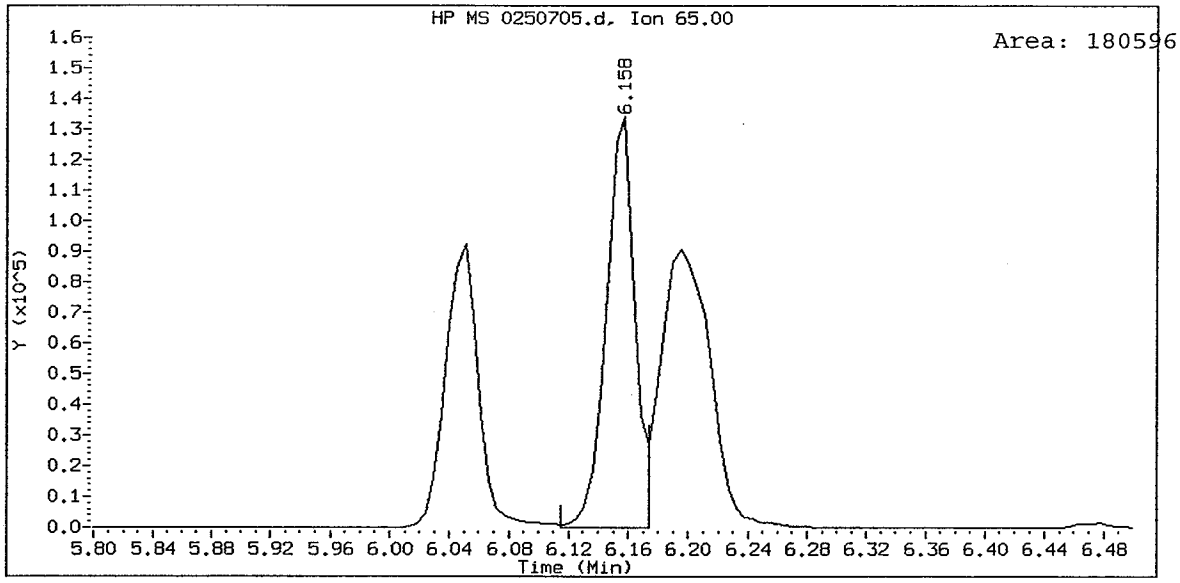
Operator: LJR
Column diameter: 0.32

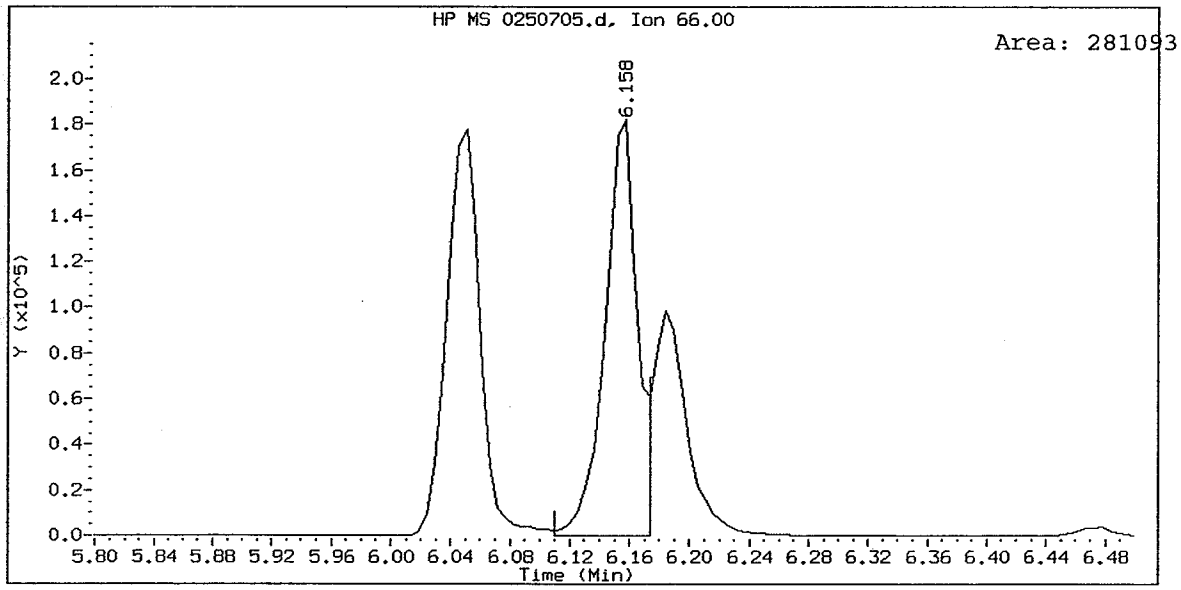


0928

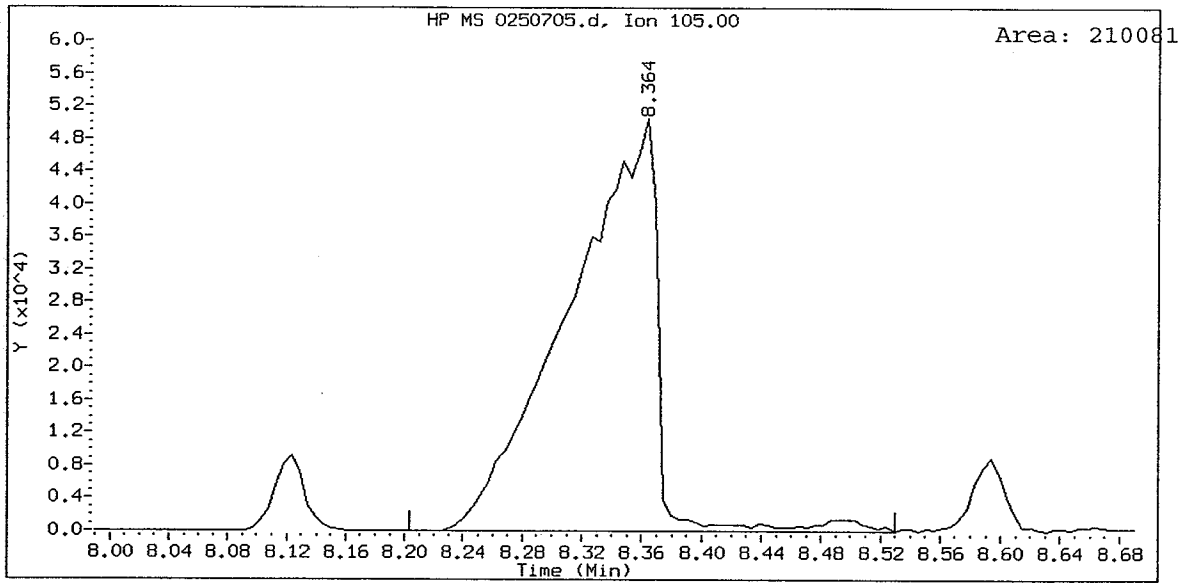
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
Phenol Amount: 23.78

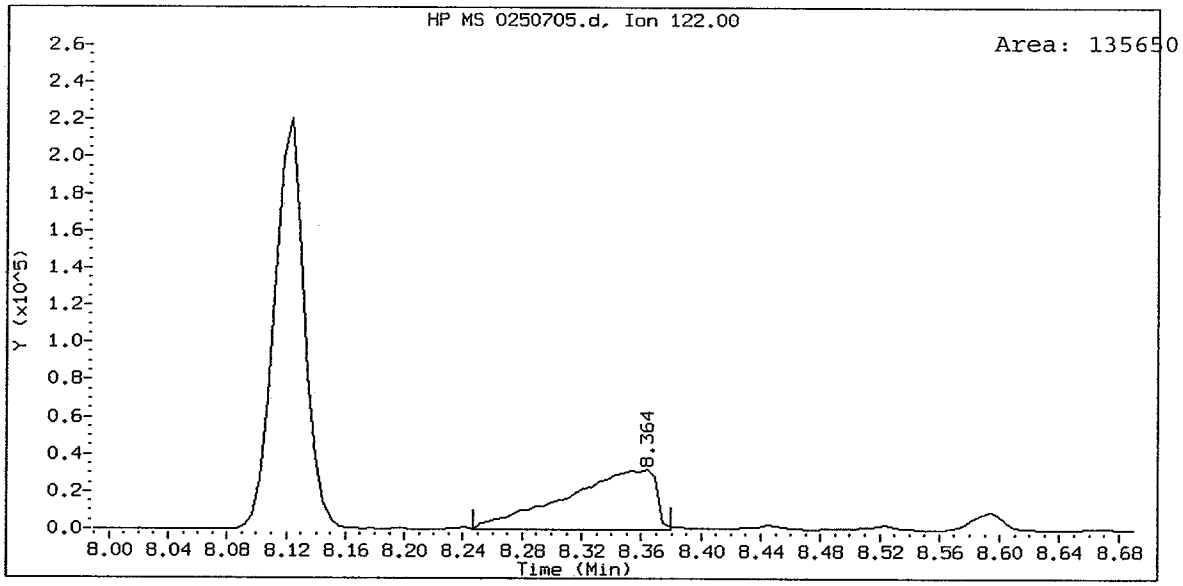


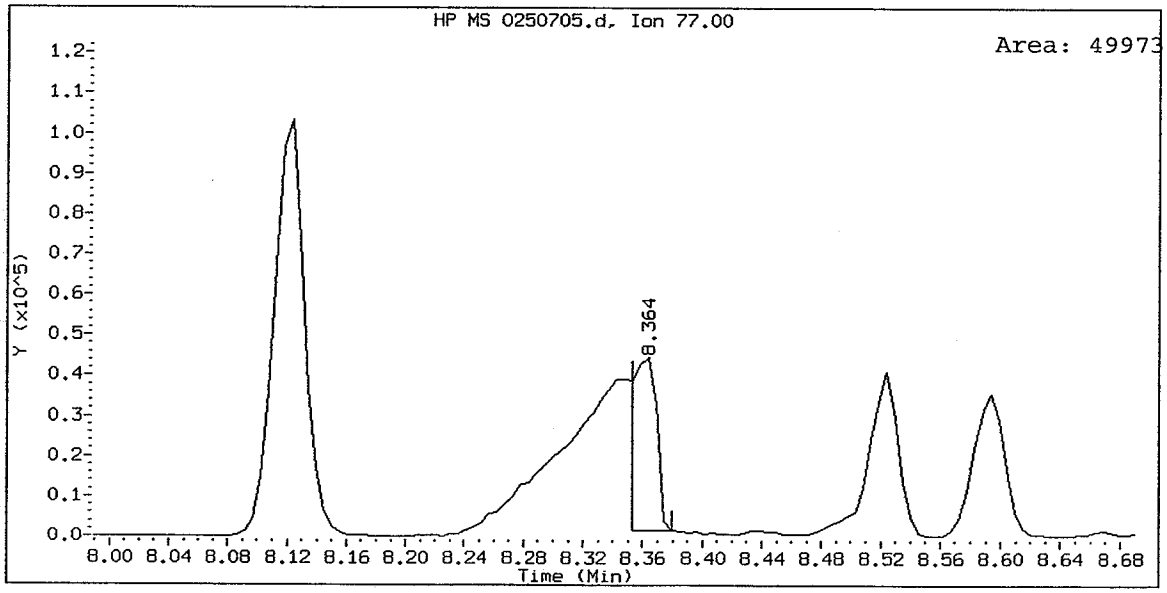




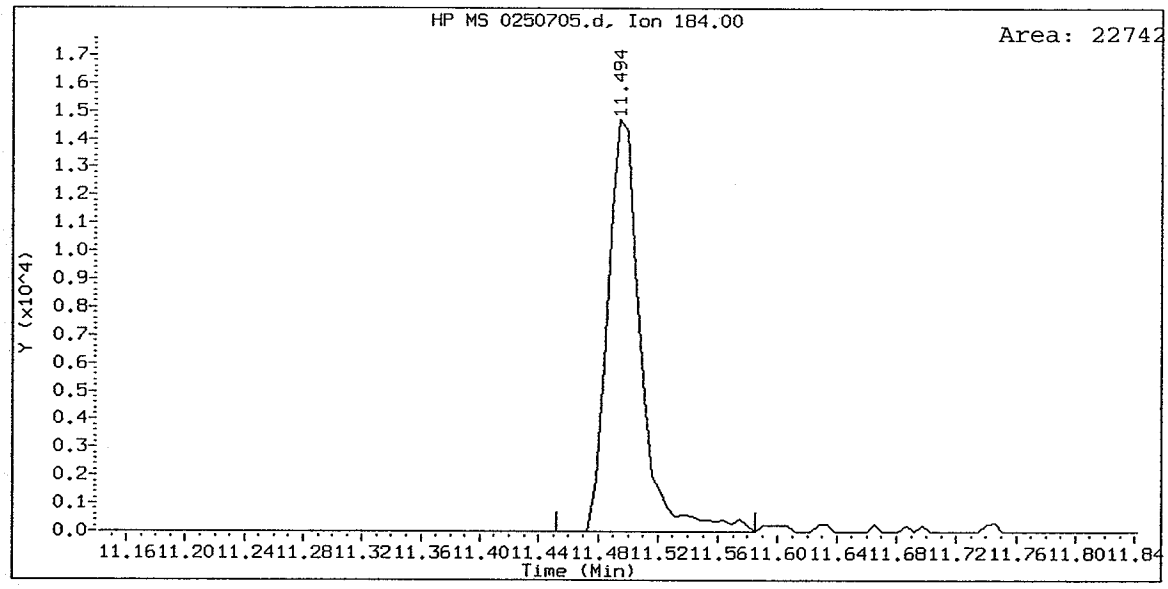
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
Benzoic acid Amount: 25.48

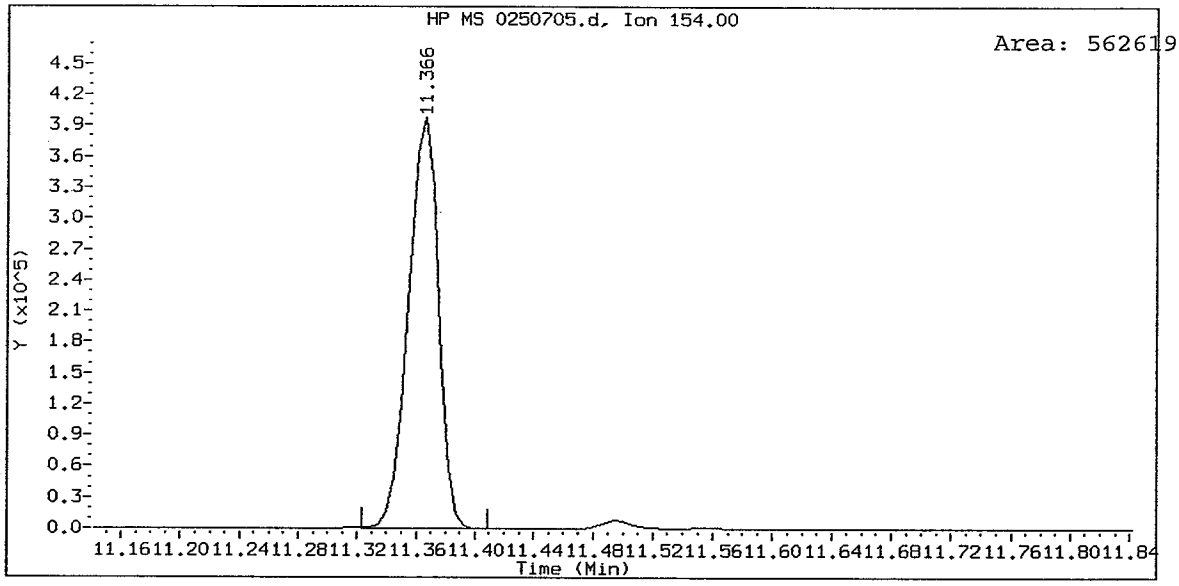


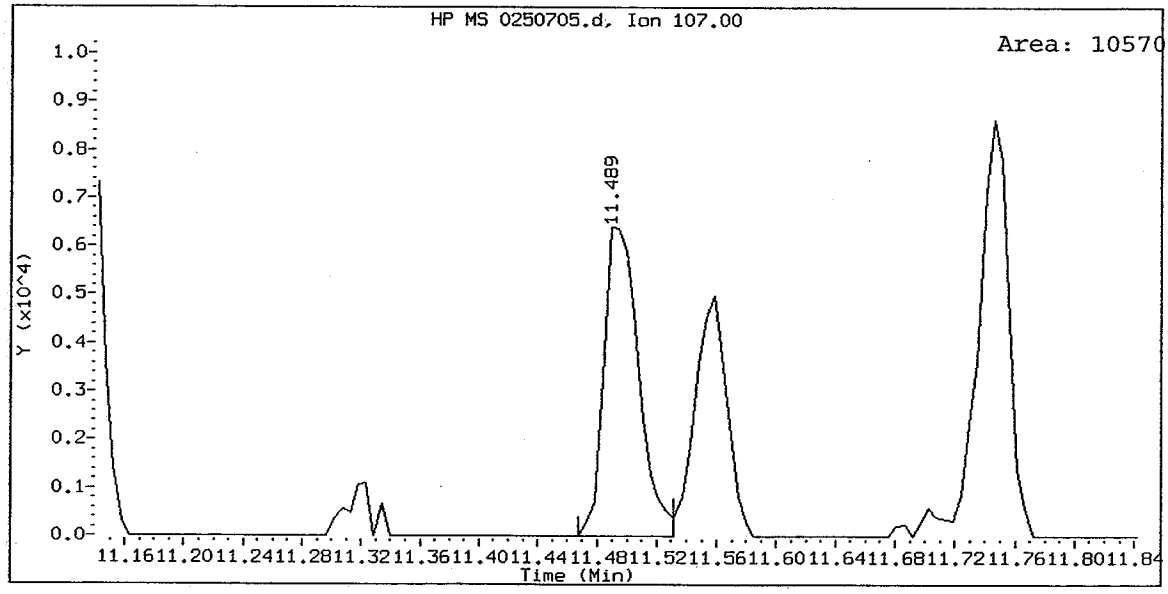




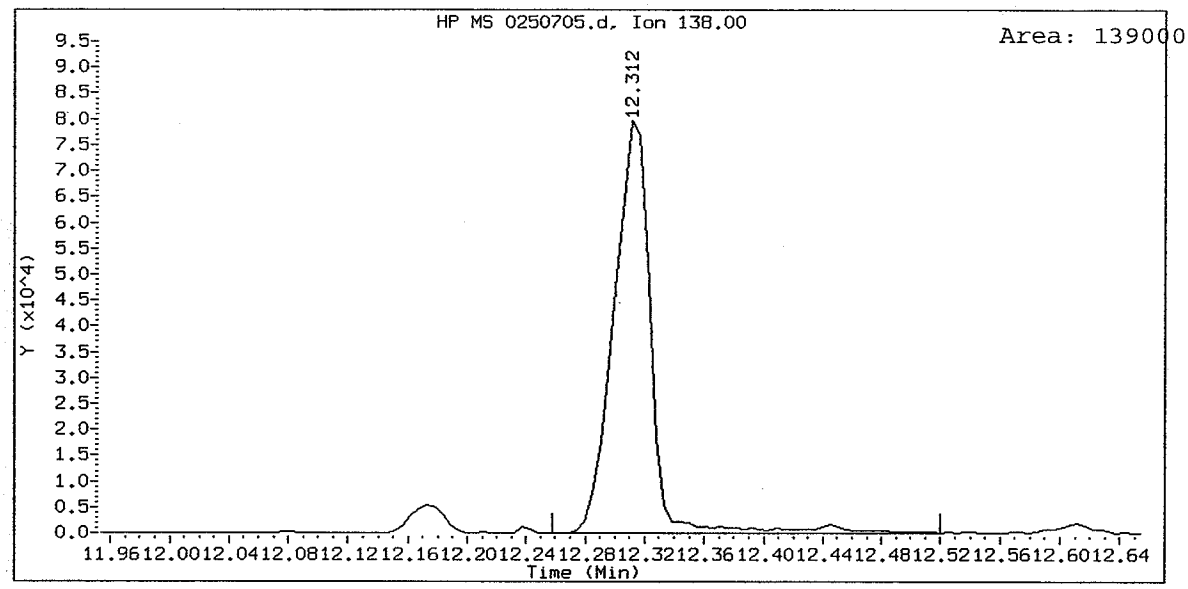
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2,4-Dinitrophenol Amount: 19.44

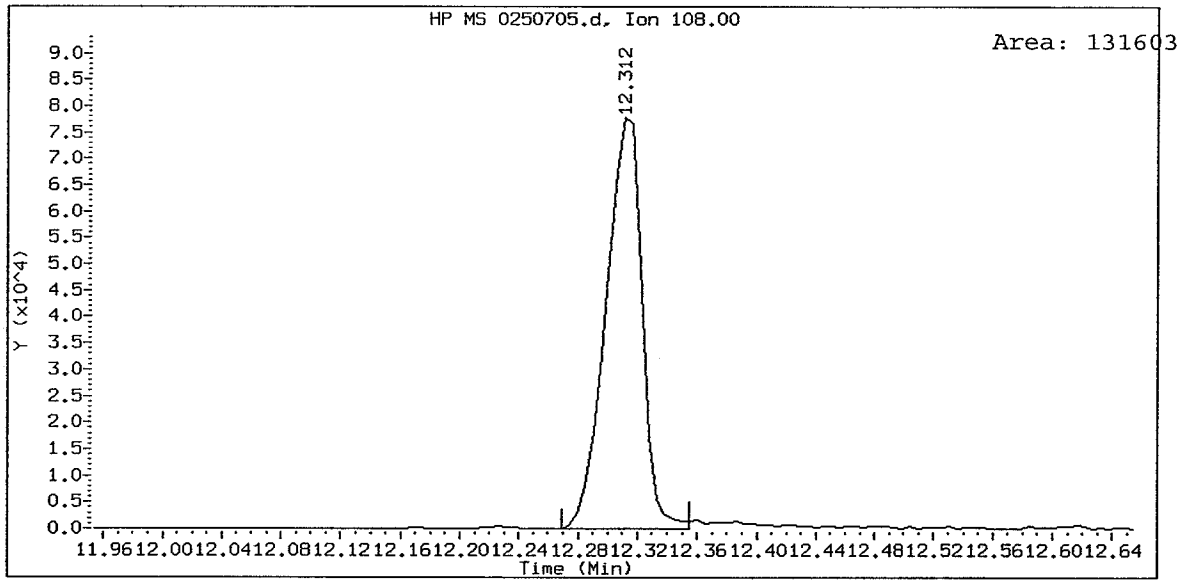


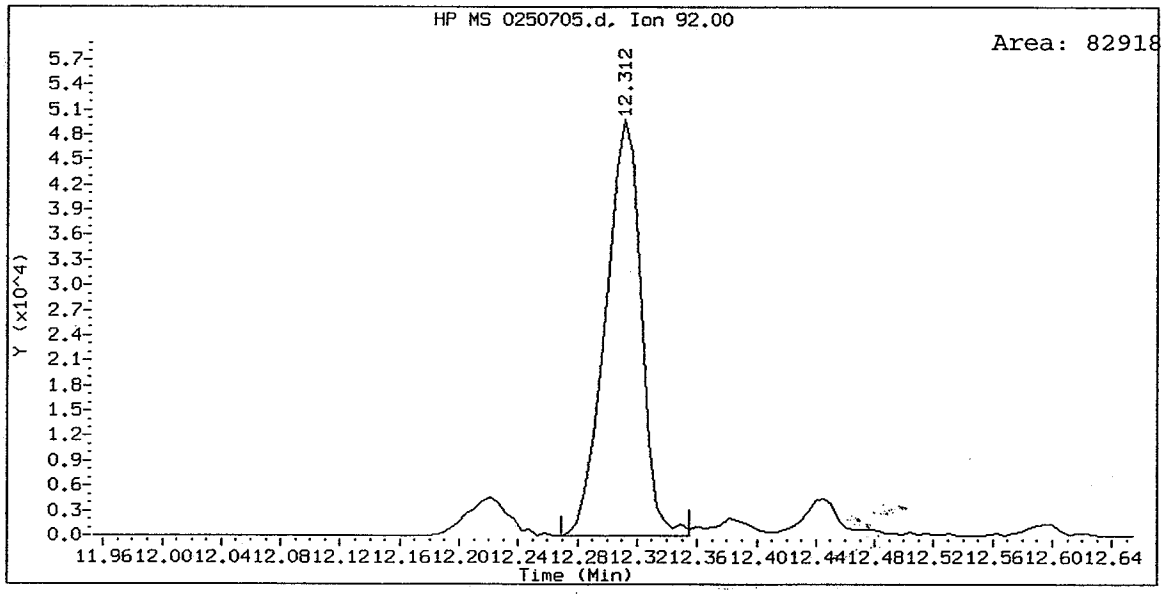




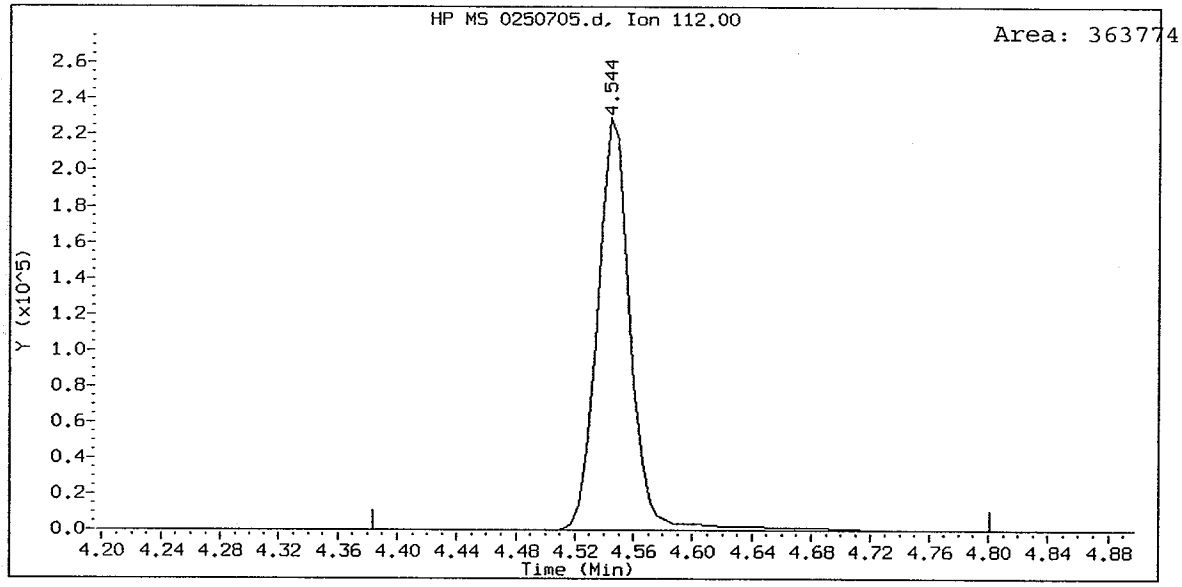
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
4-Nitroaniline Amount: 24.59

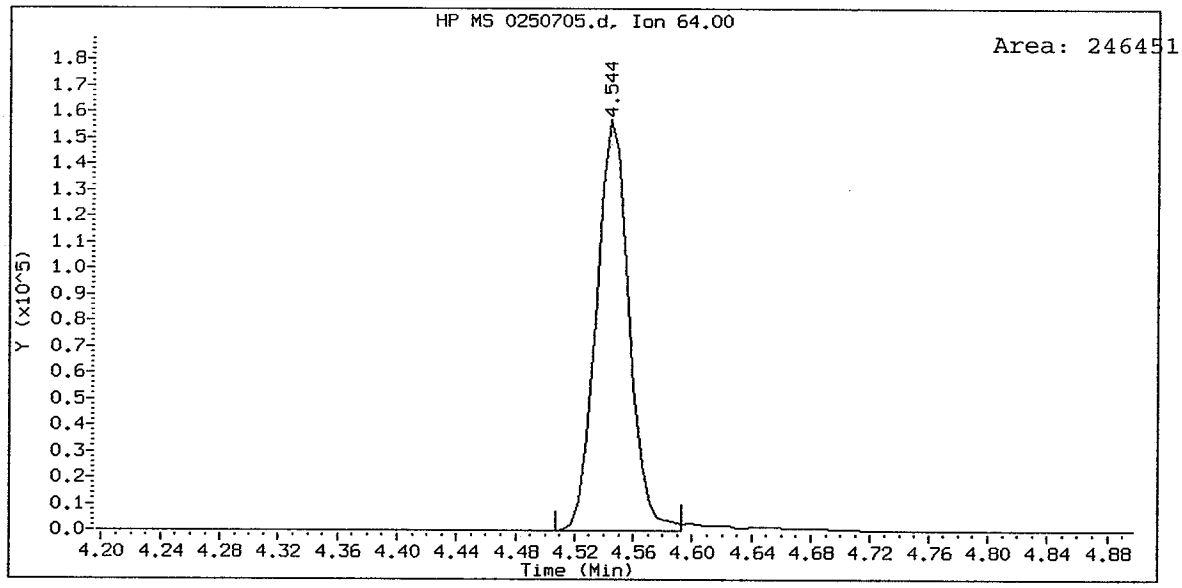






ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2-Fluorophenol Amount: 24.56





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

Data file: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Method: /chem1/nt6.i/20060705.b/ddt.b/sw846ddt.m
Analysis Date: 05-JUL-2006 10:16

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	13.498	118263
Benzidine	15.886	360254
4,4'-DDE	----	----
4,4'-DDD	16.810	10841
4,4'-DDT	17.280	269133

LTR
7/5/06

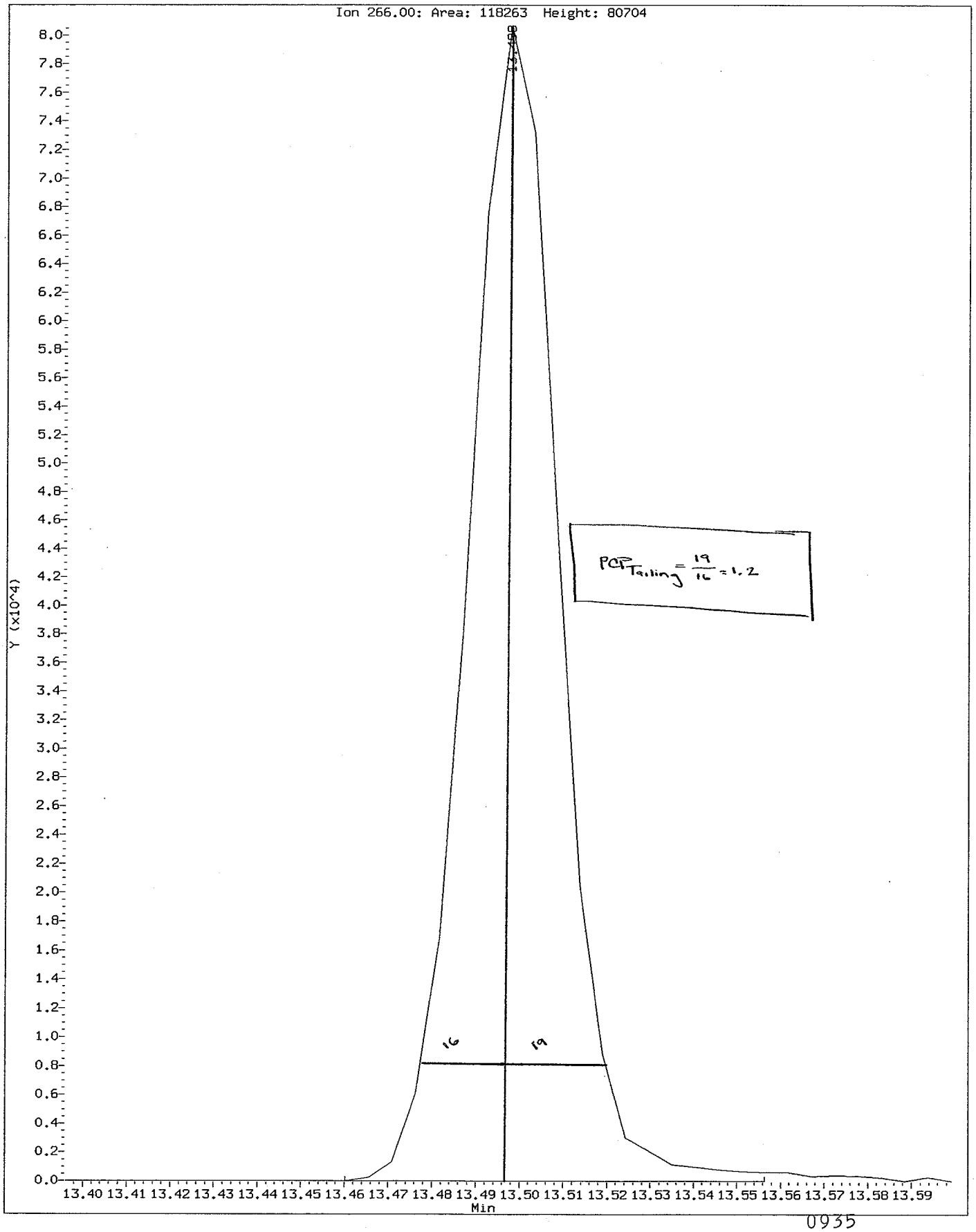
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 10841) * 100}{(0 + 10841 + 269133)}$$

DDT Percent Breakdown = 3.9 %

Data File: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Injection Date: 05-JUL-2006 10:16
Instrument: nt6.i
Client Sample ID:

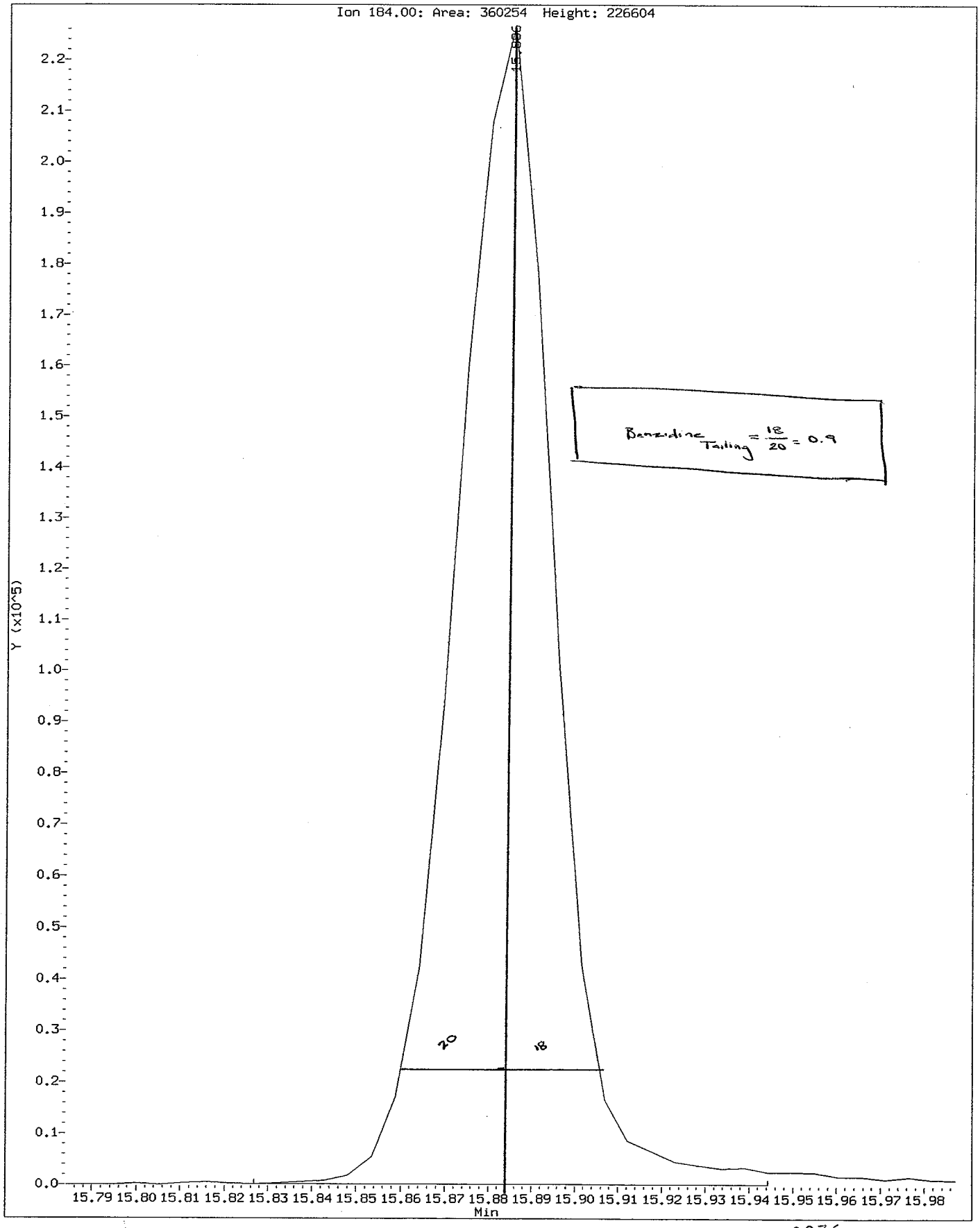
Compound: Pentachlorophenol
CAS Number: 87-86-5



0935

Data File: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Injection Date: 05-JUL-2006 10:16
Instrument: nt6.i
Client Sample ID:

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0400705.d
Lab Smp Id: ABN 40
Inj Date : 05-JUL-2006 11:47
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff
Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49
Cal File: 0100705.d
Als bottle: 4
Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 7/5/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	4.554	4.548	(0.703)	549921	40.0000	39.52(M)
$ 2 Phenol-d5	99	6.146	6.134	(0.949)	663395	40.0000	39.34
3 Phenol	94	6.167	6.150	(0.952)	819727	40.0000	39.02(M)
$ 5 2-Chlorophenol-d4	132	6.194	6.188	(0.956)	568927	40.0000	39.79
4 Bis(2-Chloroethyl)ether	93	6.199	6.188	(0.957)	626309	40.0000	40.06
6 2-Chlorophenol	128	6.215	6.209	(0.960)	574073	40.0000	39.71
7 1,3-Dichlorobenzene	146	6.413	6.407	(0.990)	610533	40.0000	38.85
* 8 1,4-Dichlorobenzene-d4	152	6.477	6.476	(1.000)	188586	20.0000	
9 1,4-Dichlorobenzene	146	6.504	6.497	(1.004)	627283	40.0000	38.84
$ 10 1,2-Dichlorobenzene-d4	152	6.771	6.765	(1.045)	359548	40.0000	39.01
12 1,2-Dichlorobenzene	146	6.792	6.786	(1.049)	613439	40.0000	39.51
11 Benzyl alcohol	108	6.803	6.791	(1.050)	402492	40.0000	40.21
14 2,2'-oxybis(1-Chloropropane)	45	7.059	7.058	(1.090)	741186	40.0000	38.71
13 2-Methylphenol	108	7.070	7.064	(1.092)	556184	40.0000	40.23
17 Hexachloroethane	117	7.267	7.267	(1.122)	274045	40.0000	40.09
16 N-Nitroso-di-n-propylamine	70	7.284	7.267	(1.125)	512717	40.0000	38.75
15 4-Methylphenol	108	7.310	7.299	(1.129)	566048	40.0000	39.70
$ 18 Nitrobenzene-d5	82	7.412	7.400	(0.872)	684339	40.0000	39.28
19 Nitrobenzene	77	7.438	7.427	(0.876)	741076	40.0000	38.74
20 Isophorone	82	7.828	7.817	(0.921)	1154903	40.0000	38.50
21 2-Nitrophenol	139	7.951	7.945	(0.936)	284197	40.0000	40.39
22 2,4-Dimethylphenol	107	8.128	8.116	(0.957)	580618	40.0000	39.56
23 Bis(2-Chloroethoxy)methane	93	8.261	8.250	(0.972)	653759	40.0000	39.12
24 Benzoic acid	105	8.405	8.340	(0.989)	347656	40.0000	44.88(M)
25 2,4-Dichlorophenol	162	8.347	8.340	(0.982)	428737	40.0000	40.00
26 1,2,4-Trichlorobenzene	180	8.453	8.447	(0.995)	473273	40.0000	38.29
* 27 Naphthalene-d8	136	8.496	8.490	(1.000)	643563	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	8.528	8.522	(1.004)	1535743	40.0000	39.25
29 4-Chloroaniline	127	8.705	8.698	(1.025)	622287	40.0000	39.44
30 Hexachlorobutadiene	225	8.870	8.869	(1.044)	305069	40.0000	39.28
31 4-Chloro-3-methylphenol	107	9.559	9.553	(1.125)	483647	40.0000	39.94
32 2-Methylnaphthalene	141	9.645	9.639	(1.135)	823633	40.0000	38.92
33 Hexachlorocyclopentadiene	237	10.029	10.029	(0.886)	212891	40.0000	45.11
34 2,4,6-Trichlorophenol	196	10.174	10.167	(0.899)	315976	40.0000	40.12
35 2,4,5-Trichlorophenol	196	10.232	10.226	(0.904)	342172	40.0000	41.81
$ 36 2-Fluorobiphenyl	172	10.302	10.296	(0.910)	1056047	40.0000	40.00
37 2-Chloronaphthalene	162	10.403	10.397	(0.919)	901629	40.0000	38.88
38 2-Nitroaniline	65	10.665	10.654	(0.942)	369514	40.0000	39.05
39 Dimethylphthalate	163	11.066	11.060	(0.978)	970700	40.0000	39.44
40 Acenaphthylene	152	11.066	11.060	(0.978)	1438450	40.0000	40.11
41 2,6-Dinitrotoluene	165	11.146	11.134	(0.985)	217884	40.0000	38.83
* 42 Acenaphthene-d10	164	11.317	11.316	(1.000)	353561	20.0000	
43 3-Nitroaniline	138	11.338	11.327	(1.002)	232630	40.0000	38.79
44 Acenaphthene	153	11.370	11.364	(1.005)	889774	40.0000	39.19
45 2,4-Dinitrophenol	184	11.498	11.492	(1.016)	59649	40.0000	54.78 (M)
46 Dibenzofuran	168	11.632	11.626	(1.028)	1204659	40.0000	38.56
47 4-Nitrophenol	109	11.707	11.701	(1.034)	156282	40.0000	40.05
48 2,4-Dinitrotoluene	165	11.755	11.743	(1.039)	278138	40.0000	39.07
50 Diethylphthalate	149	12.220	12.208	(1.080)	931194	40.0000	39.17
49 Fluorene	166	12.177	12.171	(1.076)	1001286	40.0000	39.51
51 4-Chlorophenyl-phenylether	204	12.236	12.230	(1.081)	523367	40.0000	39.32
52 4-Nitroaniline	138	12.326	12.304	(1.089)	206849	40.0000	39.30 (M)
53 4,6-Dinitro-2-methylphenol	198	12.396	12.384	(0.908)	146143	40.0000	48.14
54 N-Nitrosodiphenylamine	169	12.449	12.443	(0.912)	699467	40.0000	39.03
$ 55 2,4,6-Tribromophenol	330	12.599	12.593	(1.113)	136350	40.0000	40.11
56 4-Bromophenyl-phenylether	248	13.000	12.993	(0.952)	287824	40.0000	39.29
57 Hexachlorobenzene	284	13.187	13.180	(0.966)	300806	40.0000	39.18
58 Pentachlorophenol	266	13.502	13.496	(0.989)	178756	40.0000	42.75
* 59 Phenanthrene-d10	188	13.651	13.645	(1.000)	521831	20.0000	
60 Phenanthrene	178	13.689	13.683	(1.003)	1352479	40.0000	38.93
61 Anthracene	178	13.758	13.752	(1.008)	1368387	40.0000	39.24
62 Carbazole	167	14.068	14.057	(1.031)	1081110	40.0000	38.51
63 Di-n-butylphthalate	149	14.848	14.842	(1.088)	1346987	40.0000	40.06
64 Fluoranthene	202	15.591	15.584	(1.142)	1351302	40.0000	39.45
65 Pyrene	202	15.932	15.926	(0.890)	1491315	40.0000	38.57
$ 66 Terphenyl-d14	244	16.306	16.300	(0.911)	953425	40.0000	39.22
67 Butylbenzylphthalate	149	17.220	17.219	(0.962)	567371	40.0000	39.54
68 Benzo(a)anthracene	228	17.882	17.876	(0.999)	1330937	40.0000	38.39
* 69 Chrysene-d12	240	17.904	17.898	(1.000)	459052	20.0000	
70 3,3'-Dichlorobenzidine	252	17.936	17.930	(1.002)	478923	40.0000	38.31
71 Chrysene	228	17.946	17.935	(1.002)	1355978	40.0000	39.36
72 bis(2-Ethylhexyl)phthalate	149	18.246	18.245	(0.951)	771998	40.0000	40.73
* 134 Di-n-octylphthalate-d4	153	19.180	19.174	(1.000)	750624	20.0000	
73 Di-n-octylphthalate	149	19.186	19.180	(1.000)	1354228	40.0000	37.77

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	19.517	19.506	(0.975)	1358467	40.0000	39.78
75 Benzo(k)fluoranthene	252	19.554	19.538	(0.977)	1474316	40.0000	41.75
76 Benzo(a)pyrene	252	19.950	19.938	(0.996)	1343531	40.0000	40.88
* 77 Perylene-d12	264	20.024	20.024	(1.000)	520114	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.376	21.359	(1.067)	1704755	40.0000	42.64 (M)
79 Dibenzo(a,h)anthracene	278	21.408	21.391	(1.069)	1679529	40.0000	42.76
80 Benzo(g,h,i)perylene	276	21.670	21.648	(1.082)	1771892	40.0000	42.32
90 N-Nitrosodimethylamine	74	2.038	2.026	(0.315)	387583	40.0000	38.10
103 Pyridine	79	2.011	2.010	(0.310)	801765	40.0000	38.47
91 Aniline	93	6.055	6.049	(0.935)	956553	40.0000	38.56
105 1-methylnaphthalene	141	9.805	9.799	(1.154)	869995	40.0000	39.33
93 Benzidine	184	15.890	15.878	(0.888)	460159	40.0000	34.61
98 Retene	219	16.531	16.525	(0.923)	654258	40.0000	39.07
111 Azobenzene (1,2-DP-Hydrazine)	77	12.481	12.475	(1.103)	1389548	40.0000	40.17
144 alpha-Terpineol	59	8.598	8.592	(1.012)	467291	40.0000	39.69
143 1,4-Dioxane	88	1.626	1.625	(0.251)	279639	40.0000	39.45
$ 137 d8-1,4-Dioxane	96	1.594	1.593	(0.246)	265091	40.0000	39.04
133 Butylatedhydroxytoluene	205	11.563	11.556	(1.022)	795420	40.0000	39.74
115 Tributyl Phosphate	99	12.620	12.603	(0.924)	1054049	40.0000	40.22
116 Dibutyl Phenyl Phosphate	175	14.298	14.297	(1.047)	839352	40.0000	41.17
117 Butyl Diphenyl Phosphate	94	15.948	15.942	(0.891)	264751	40.0000	40.08
118 Triphenyl Phosphate	326	17.519	17.513	(0.978)	208097	40.0000	37.99

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0400705.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	188586	-6.03
27 Naphthalene-d8	684917	342458	1369834	643563	-6.04
42 Acenaphthene-d10	379750	189875	759500	353561	-6.90
59 Phenanthrene-d10	559641	279820	1119282	521831	-6.76
69 Chrysene-d12	488455	244228	976910	459052	-6.02
134 Di-n-octylphthala	797584	398792	1595168	750624	-5.89
77 Perylene-d12	578815	289408	1157630	520114	-10.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.48	0.06
27 Naphthalene-d8	8.49	7.99	8.99	8.50	0.05
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	-0.01
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.03
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.01
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.02
77 Perylene-d12	20.02	19.52	20.52	20.02	0.02

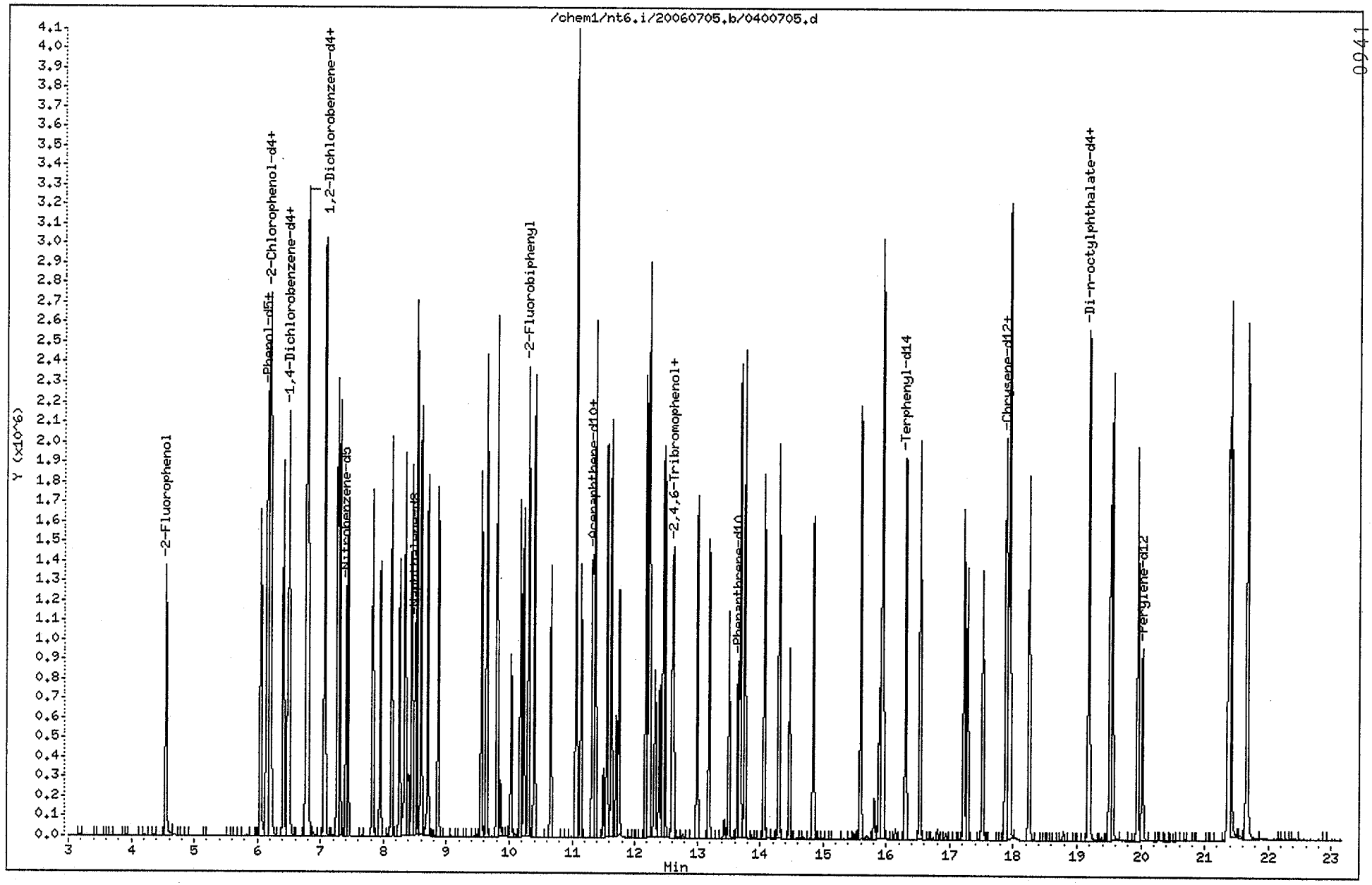
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0400705.d
Date : 05-JUL-2006 11:47
Client ID:
Sample Info: ABN 40

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



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ABN 40, /chem1/nt6.i/20060705.b/0400705.d
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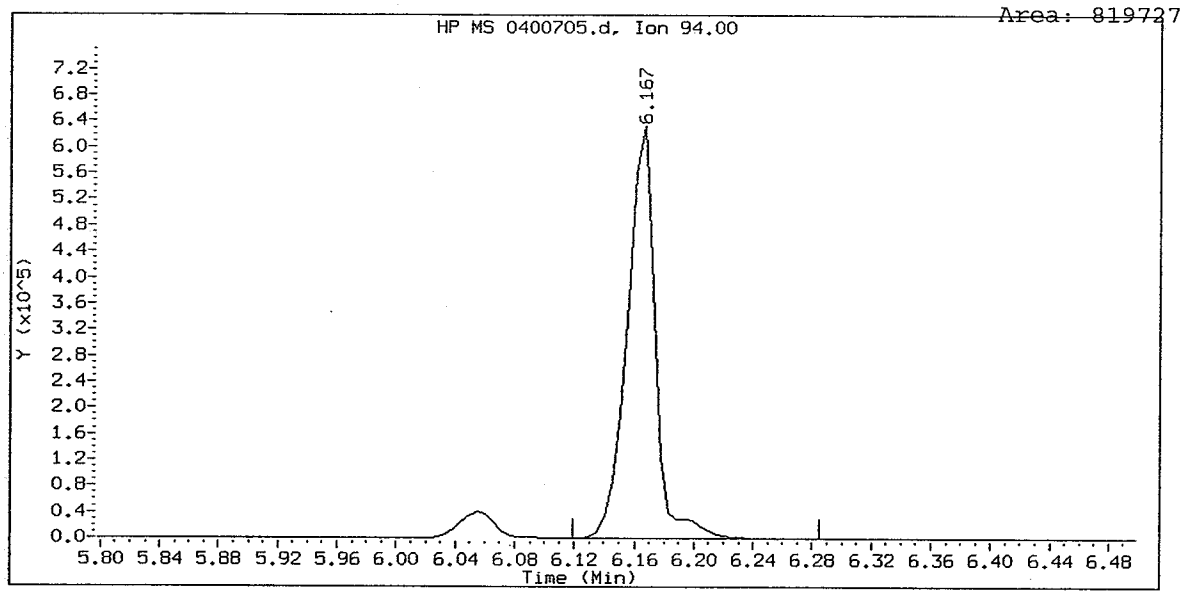

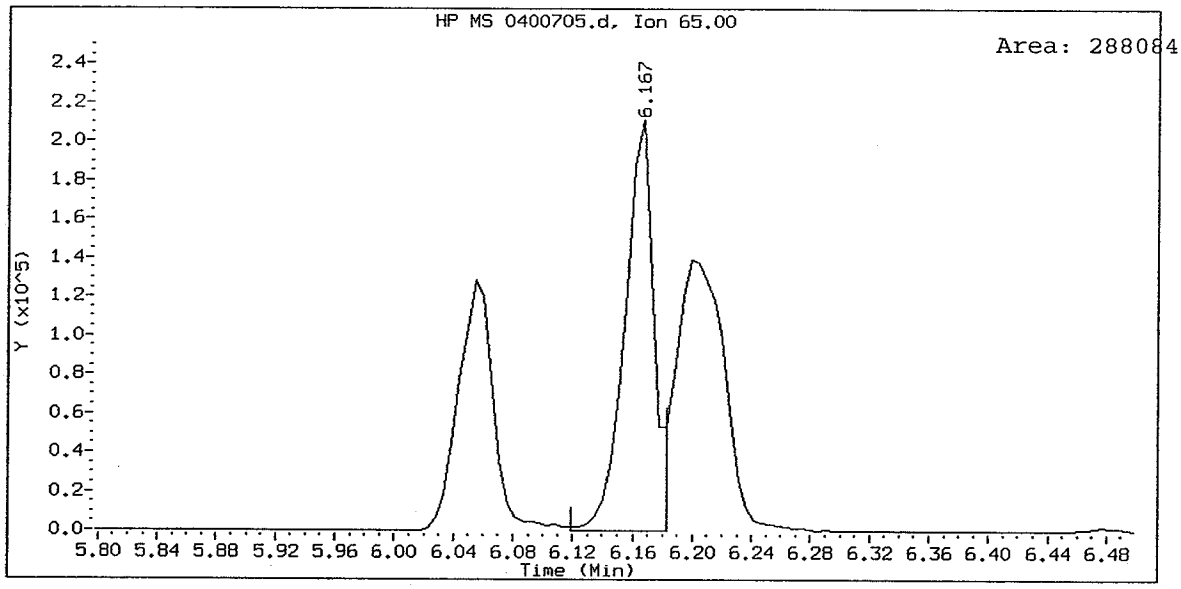

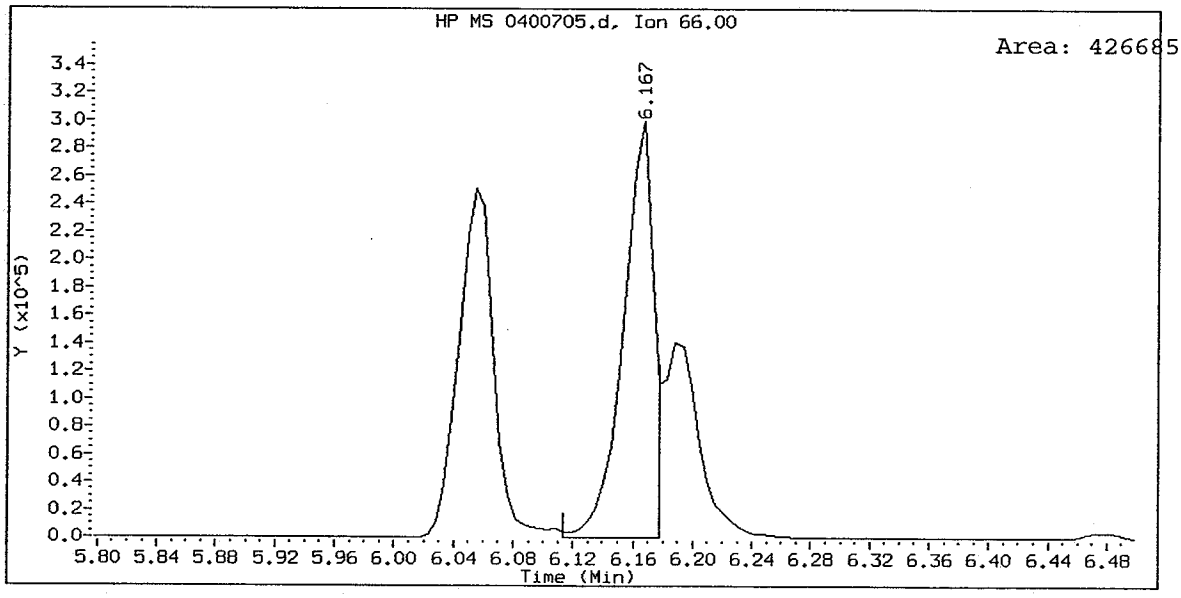

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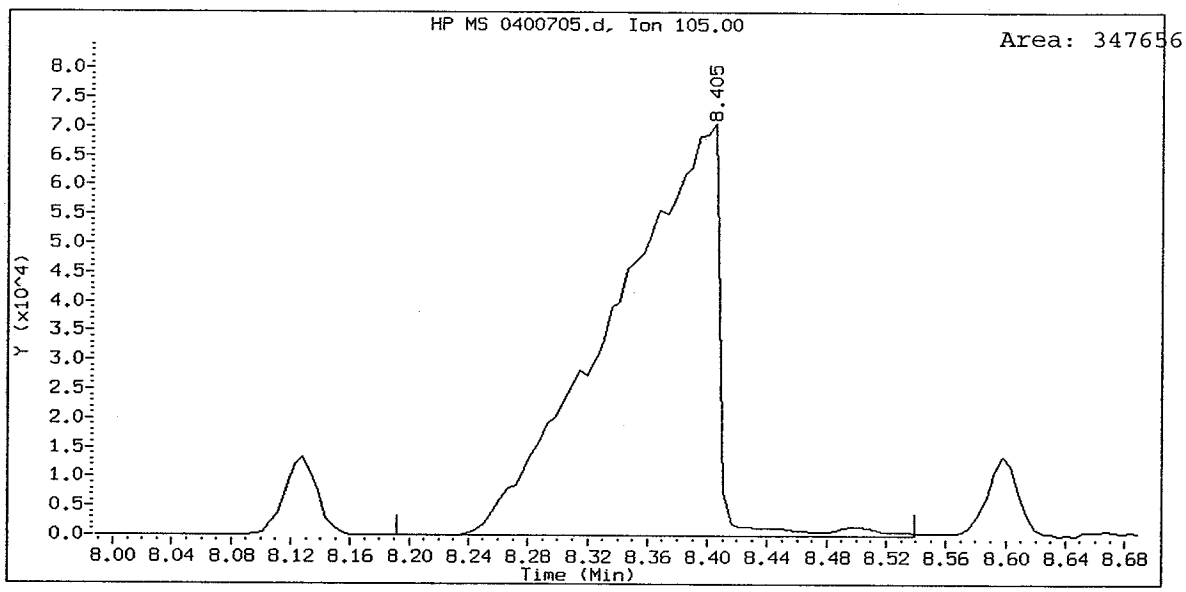
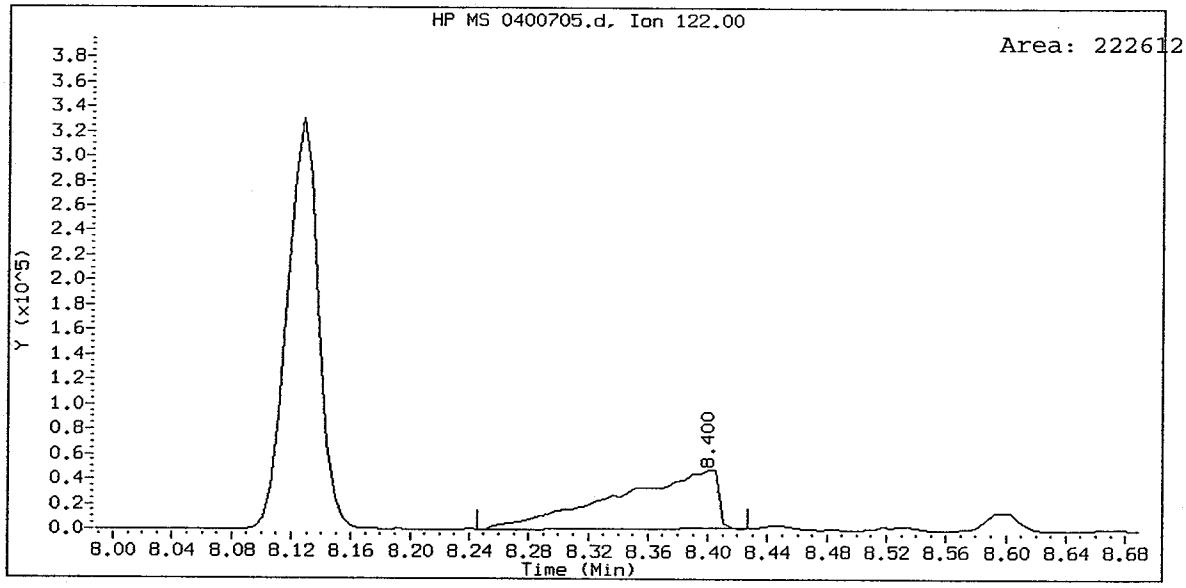
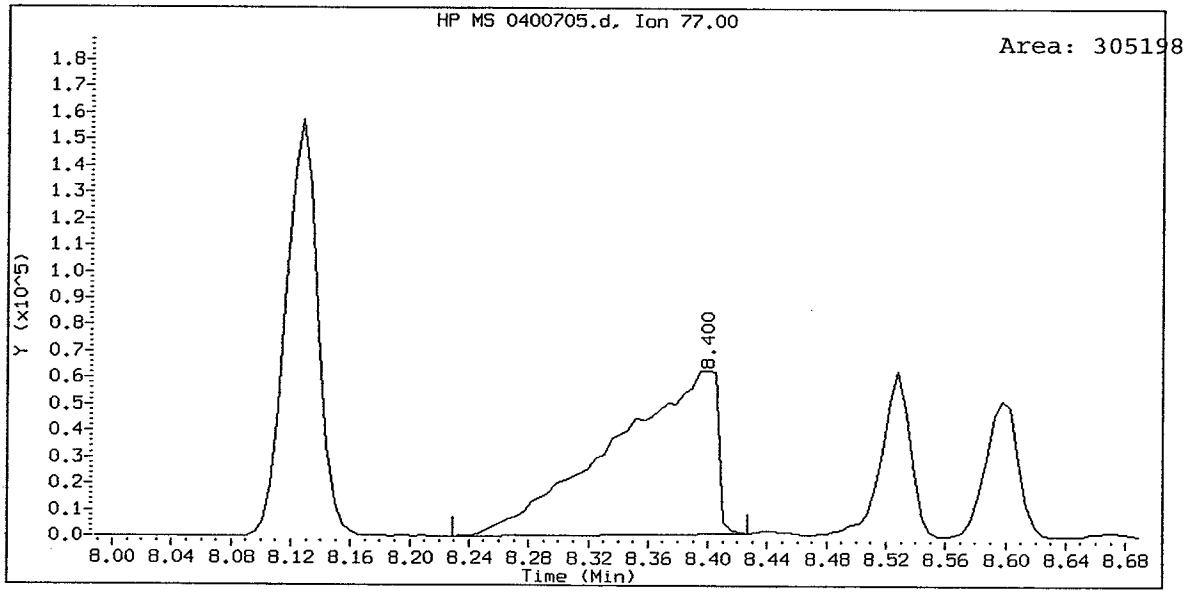
Benzoic acid Amount: 44.88







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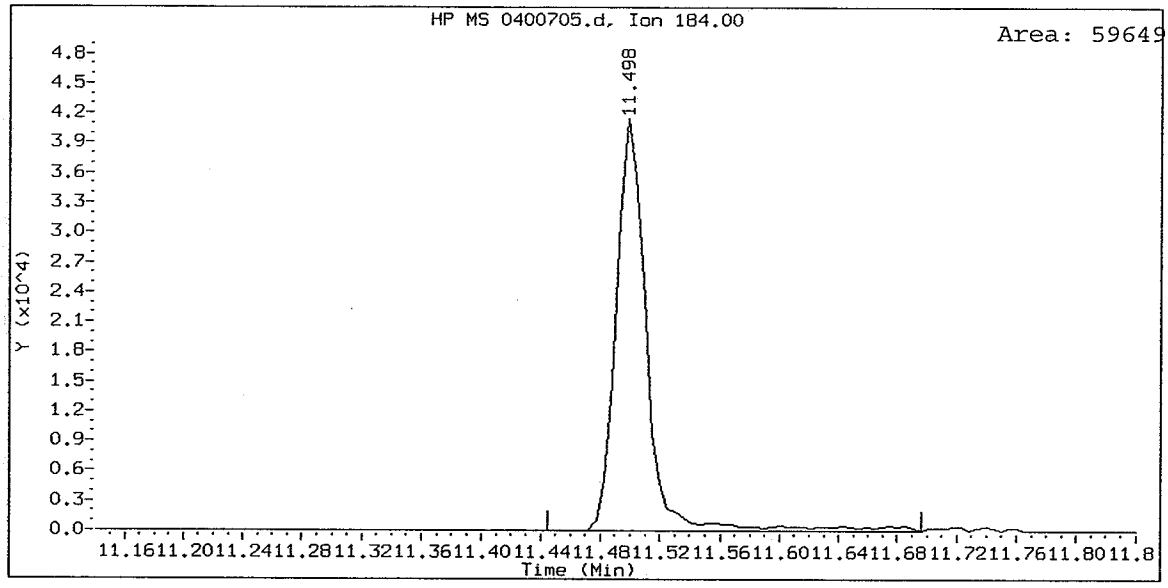
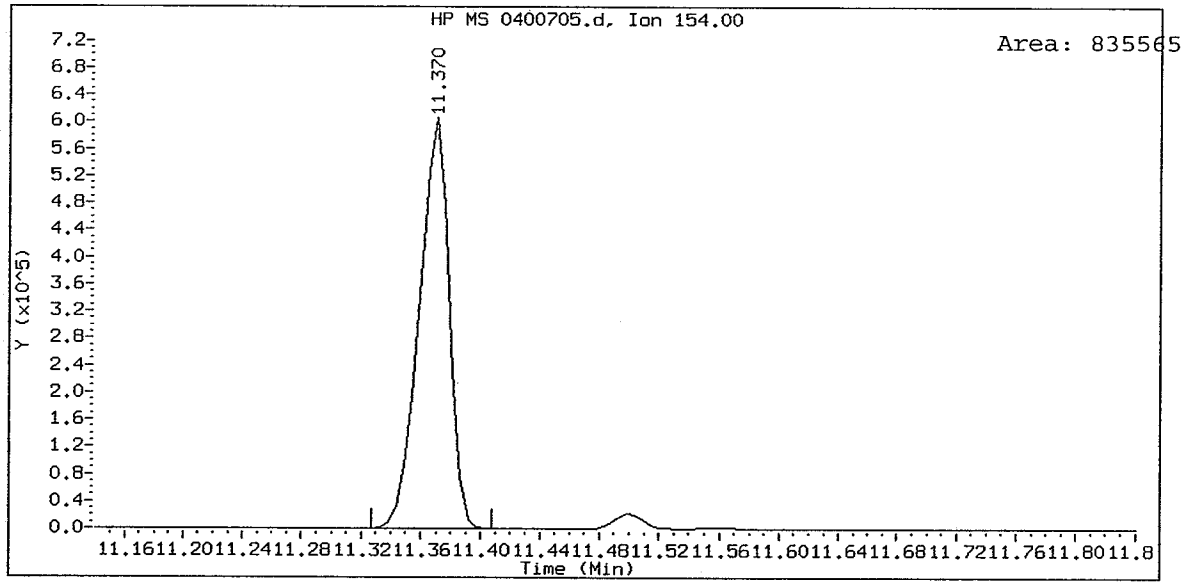
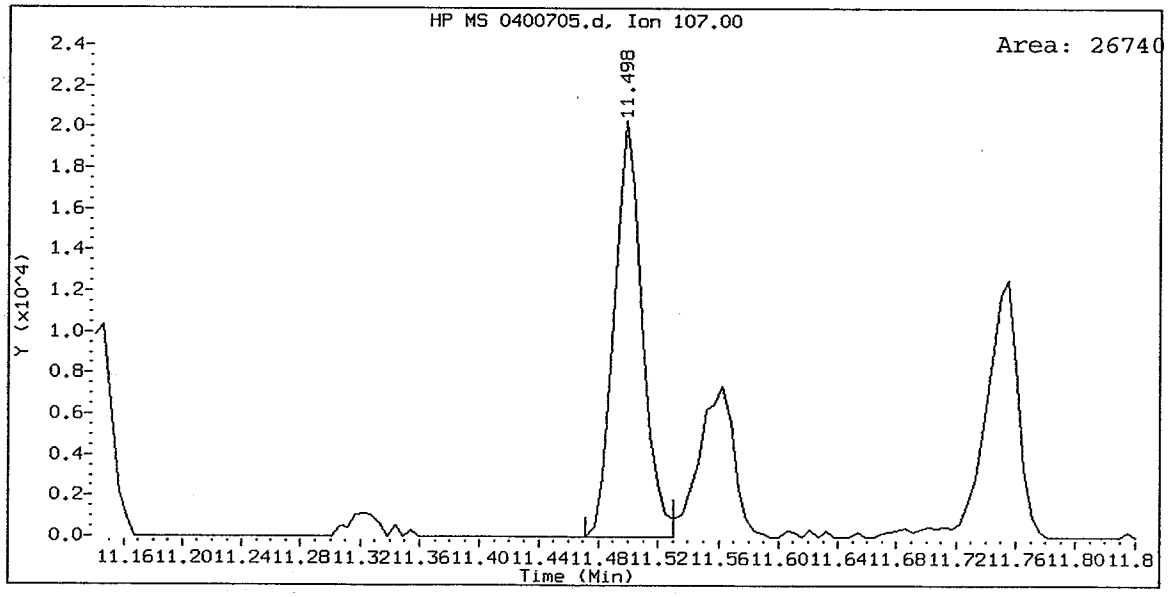
2,4-Dinitrophenol Amount: 54.78







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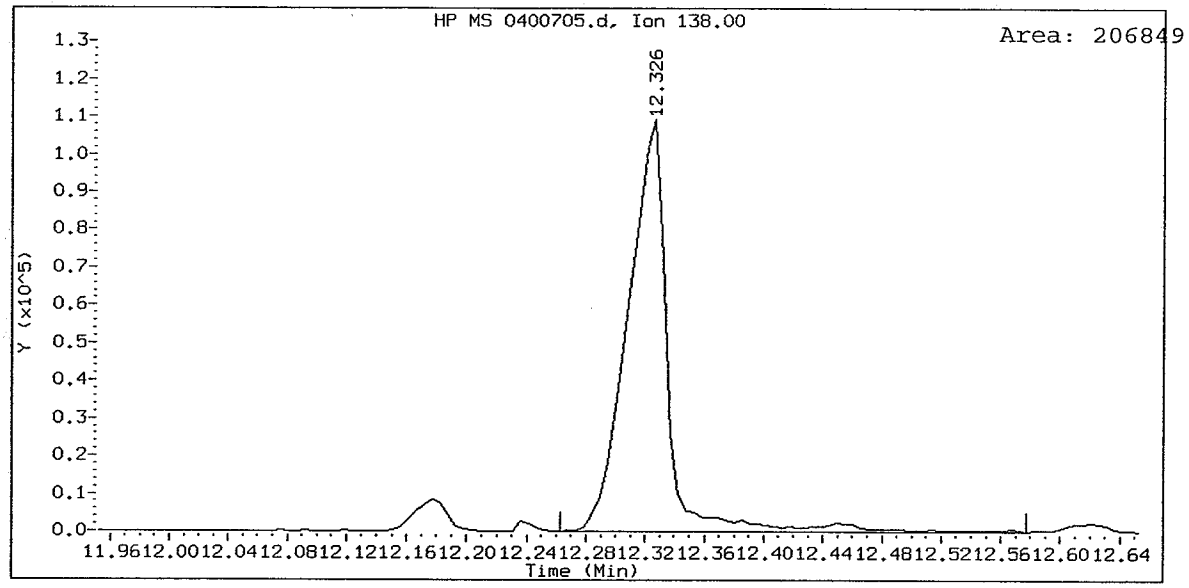
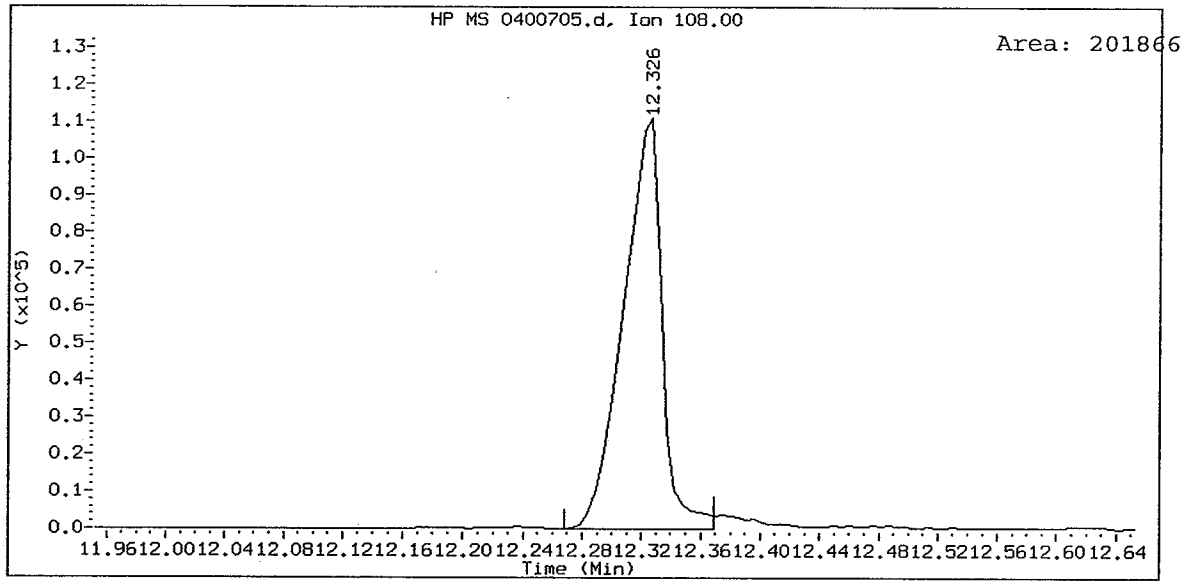
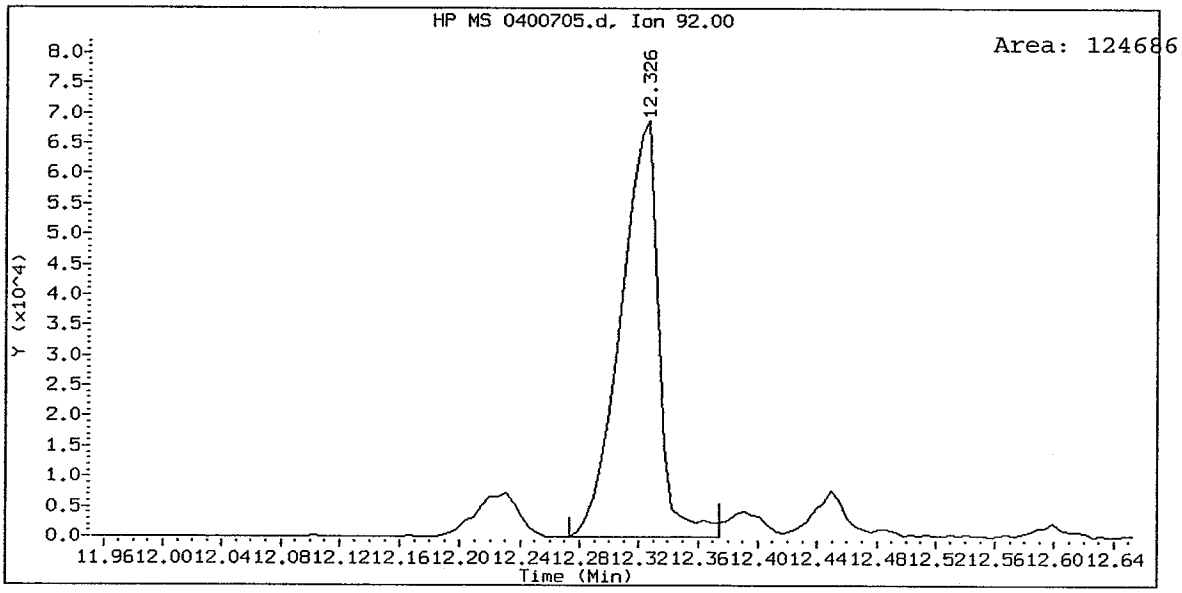
4-Nitroaniline Amount: 39.30







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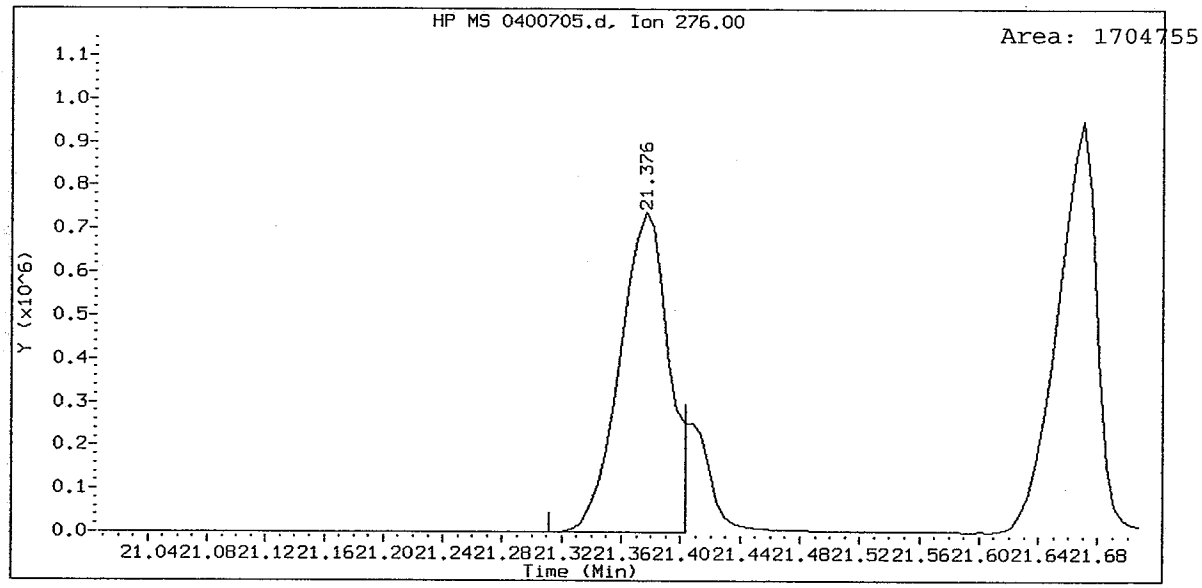
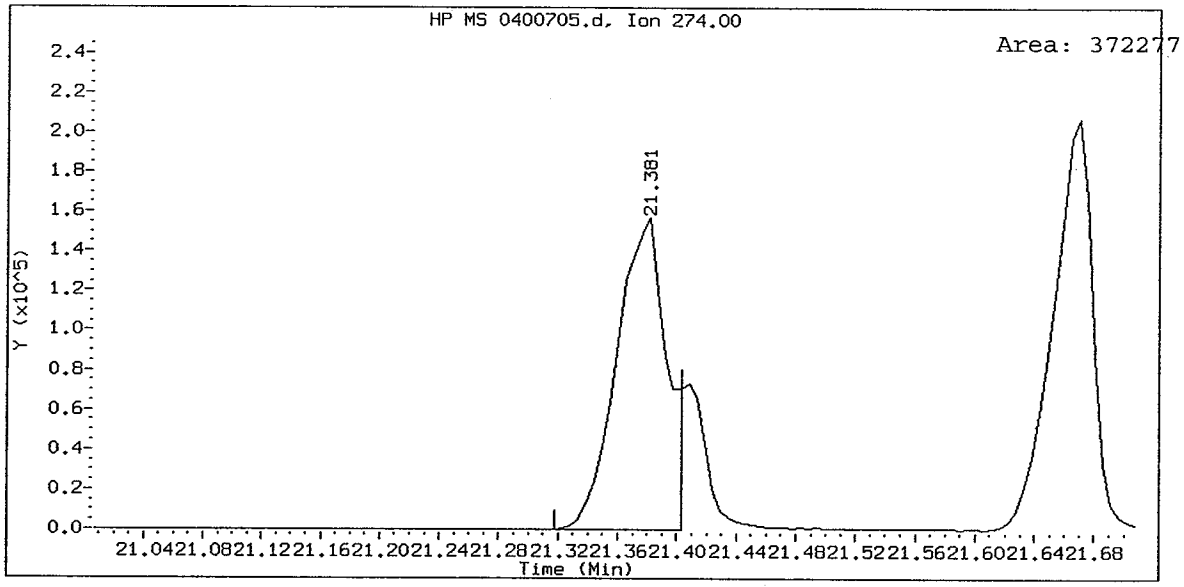
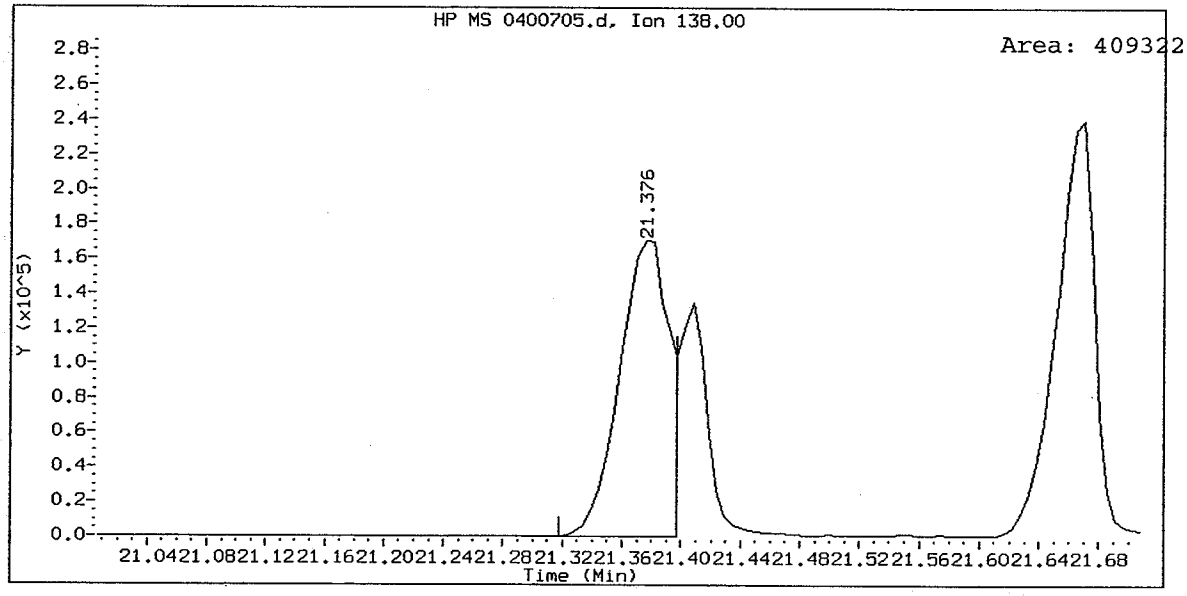
Indeno(1,2,3-cd)pyrene Amount: 42.64







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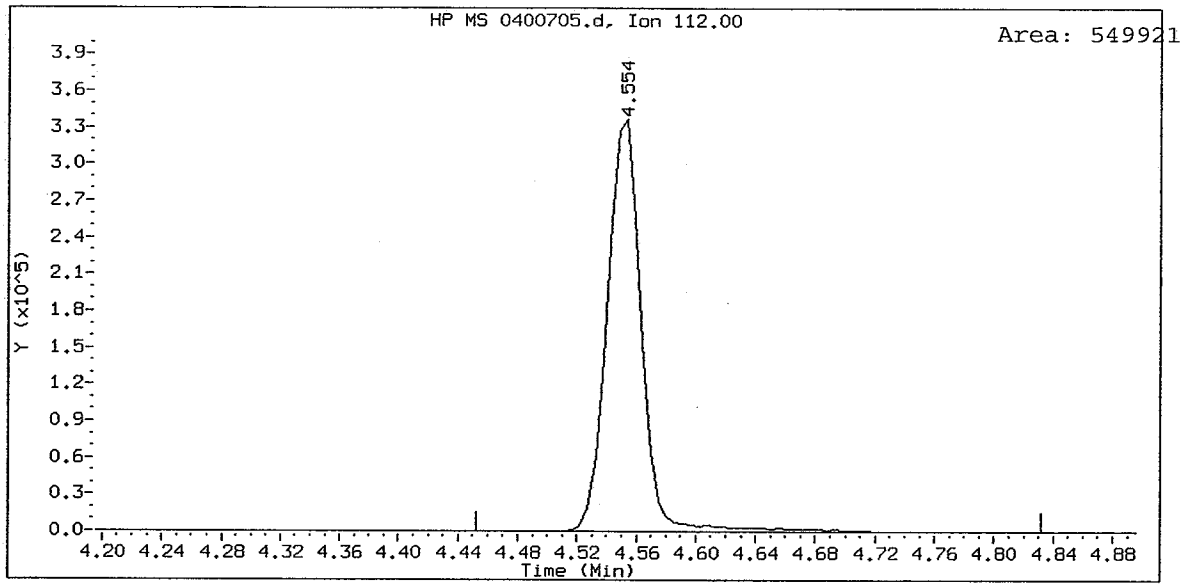
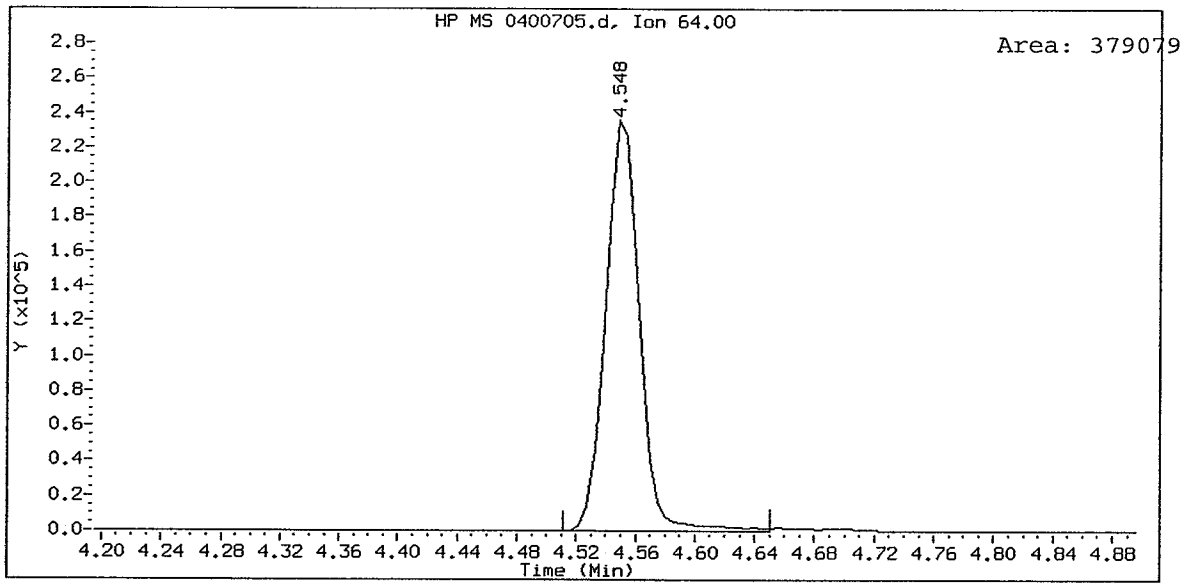
2-Fluorophenol Amount: 39.52





Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0800705.d
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Inj Date : 05-JUL-2006 10:46
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 13:42 jeff
Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49
Cal File: 0100705.d
Als bottle: 2
Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJK
7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.558	4.548	(0.703)	1172998	80.0000	81.61(M)
$	2 Phenol-d5	99	6.166	6.134	(0.951)	1418883	80.0000	81.48
	3 Phenol	94	6.182	6.150	(0.953)	1770663	80.0000	81.60
$	5 2-Chlorophenol-d4	132	6.198	6.188	(0.956)	1263479	80.0000	85.57
	4 Bis(2-Chloroethyl)ether	93	6.208	6.188	(0.957)	1362226	80.0000	84.37
	6 2-Chlorophenol	128	6.224	6.209	(0.960)	1241963	80.0000	83.18
	7 1,3-Dichlorobenzene	146	6.422	6.407	(0.990)	1326696	80.0000	81.74
*	8 1,4-Dichlorobenzene-d4	152	6.486	6.476	(1.000)	194774	20.0000	
	9 1,4-Dichlorobenzene	146	6.508	6.497	(1.003)	1351386	80.0000	81.03
$	10 1,2-Dichlorobenzene-d4	152	6.775	6.765	(1.044)	792993	80.0000	83.31(M)
	12 1,2-Dichlorobenzene	146	6.796	6.786	(1.048)	1343749	80.0000	83.80
	11 Benzyl alcohol	108	6.817	6.791	(1.051)	868450	80.0000	84.00
	14 2,2'-oxybis(1-Chloropropane)	45	7.068	7.058	(1.090)	1606543	80.0000	81.25
	13 2-Methylphenol	108	7.079	7.064	(1.091)	1187514	80.0000	83.17
	17 Hexachloroethane	117	7.271	7.267	(1.121)	580034	80.0000	82.15
	16 N-Nitroso-di-n-propylamine	70	7.303	7.267	(1.126)	1065608	80.0000	77.98
	15 4-Methylphenol	108	7.325	7.299	(1.129)	1218888	80.0000	82.78
$	18 Nitrobenzene-d5	82	7.421	7.400	(0.872)	1407311	80.0000	77.43
	19 Nitrobenzene	77	7.453	7.427	(0.876)	1518677	80.0000	76.11
	20 Isophorone	82	7.848	7.817	(0.923)	2384626	80.0000	76.19
	21 2-Nitrophenol	139	7.961	7.945	(0.936)	610489	80.0000	83.16
	22 2,4-Dimethylphenol	107	8.142	8.116	(0.957)	1192241	80.0000	77.86
	23 Bis(2-Chloroethoxy)methane	93	8.270	8.250	(0.972)	1379668	80.0000	79.13
	24 Benzoic acid	105	8.473	8.340	(0.996)	830331	80.0000	102.7(M)
	25 2,4-Dichlorophenol	162	8.361	8.340	(0.983)	917691	80.0000	82.07
	26 1,2,4-Trichlorobenzene	180	8.457	8.447	(0.994)	1053525	80.0000	81.69
*	27 Naphthalene-d8	136	8.505	8.490	(1.000)	671389	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	8.537	8.522	(1.004)	3178935	80.0000	77.89
	29 4-Chloroaniline	127	8.714	8.698	(1.024)	1336415	80.0000	81.19
	30 Hexachlorobutadiene	225	8.874	8.869	(1.043)	659294	80.0000	81.37
	31 4-Chloro-3-methylphenol	107	9.563	9.553	(1.124)	1005447	80.0000	79.60
	32 2-Methylnaphthalene	141	9.649	9.639	(1.134)	1757055	80.0000	79.59
	33 Hexachlorocyclopentadiene	237	10.033	10.029	(0.886)	539965	80.0000	111.2
	34 2,4,6-Trichlorophenol	196	10.183	10.167	(0.899)	701266	80.0000	86.52
	35 2,4,5-Trichlorophenol	196	10.236	10.226	(0.904)	723549	80.0000	85.90
$	36 2-Fluorobiphenyl	172	10.311	10.296	(0.911)	2213700	80.0000	81.47
	37 2-Chloronaphthalene	162	10.413	10.397	(0.920)	1951044	80.0000	81.73
	38 2-Nitroaniline	65	10.674	10.654	(0.943)	752175	80.0000	77.23
	39 Dimethylphthalate	163	11.080	11.060	(0.979)	2032551	80.0000	80.24
	40 Acenaphthylene	152	11.070	11.060	(0.978)	2988229	80.0000	80.96
	41 2,6-Dinitrotoluene	165	11.155	11.134	(0.985)	477985	80.0000	82.77
*	42 Acenaphthene-d10	164	11.321	11.316	(1.000)	363913	20.0000	
	43 3-Nitroaniline	138	11.358	11.327	(1.003)	510554	80.0000	82.72
	44 Acenaphthene	153	11.380	11.364	(1.005)	1917676	80.0000	82.06
	45 2,4-Dinitrophenol	184	11.513	11.492	(1.017)	185054	80.0000	165.1 (M)
	46 Dibenzofuran	168	11.641	11.626	(1.028)	2565607	80.0000	79.80
	47 4-Nitrophenol	109	11.716	11.701	(1.035)	324099	80.0000	80.69 (M)
	48 2,4-Dinitrotoluene	165	11.764	11.743	(1.039)	614468	80.0000	83.87
	50 Diethylphthalate	149	12.234	12.208	(1.081)	1957815	80.0000	80.02
	49 Fluorene	166	12.186	12.171	(1.076)	2143273	80.0000	82.18
	51 4-Chlorophenyl-phenylether	204	12.240	12.230	(1.081)	1159694	80.0000	84.64
	52 4-Nitroaniline	138	12.346	12.304	(1.091)	442715	80.0000	81.71
	53 4,6-Dinitro-2-methylphenol	198	12.416	12.384	(0.909)	361657	80.0000	113.2
	54 N-Nitrosodiphenylamine	169	12.464	12.443	(0.913)	1554036	80.0000	82.41
$	55 2,4,6-Tribromophenol	330	12.608	12.593	(1.114)	302309	80.0000	86.39
	56 4-Bromophenyl-phenylether	248	13.009	12.993	(0.953)	637455	80.0000	82.72
	57 Hexachlorobenzene	284	13.196	13.180	(0.966)	658374	80.0000	81.52
	58 Pentachlorophenol	266	13.511	13.496	(0.989)	412720	80.0000	93.82
*	59 Phenanthrene-d10	188	13.655	13.645	(1.000)	549021	20.0000	
	60 Phenanthrene	178	13.698	13.683	(1.003)	2874886	80.0000	78.66
	61 Anthracene	178	13.773	13.752	(1.009)	2931233	80.0000	79.89
	62 Carbazole	167	14.077	14.057	(1.031)	2321830	80.0000	78.61
	63 Di-n-butylphthalate	149	14.852	14.842	(1.088)	2843660	80.0000	80.37
	64 Fluoranthene	202	15.605	15.584	(1.143)	2944804	80.0000	81.72
	65 Pyrene	202	15.947	15.926	(0.890)	3235404	80.0000	74.54
$	66 Terphenyl-d14	244	16.310	16.300	(0.911)	2107247	80.0000	77.23
	67 Butylbenzylphthalate	149	17.229	17.219	(0.962)	1247067	80.0000	77.43
	68 Benzo(a)anthracene	228	17.897	17.876	(0.999)	3016019	80.0000	77.51
*	69 Chrysene-d12	240	17.913	17.898	(1.000)	515271	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.945	17.930	(1.002)	1109754	80.0000	79.09
	71 Chrysene	228	17.961	17.935	(1.003)	3036626	80.0000	78.53
	72 bis(2-Ethylhexyl)phthalate	149	18.250	18.245	(0.951)	1723899	80.0000	82.62
*	134 Di-n-octylphthalate-d4	153	19.184	19.174	(1.000)	826407	20.0000	
	73 Di-n-octylphthalate	149	19.195	19.180	(1.001)	2941418	80.0000	74.52

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	19.537	19.506	(0.975)	3780567	80.0000	88.32
75 Benzo(k)fluoranthene	252	19.574	19.538	(0.977)	3291788	80.0000	74.37(H)
76 Benzo(a)pyrene	252	19.970	19.938	(0.997)	3396299	80.0000	82.44
* 77 Perylene-d12	264	20.034	20.024	(1.000)	651976	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	21.391	21.359	(1.068)	4121160	80.0000	82.23(M)
79 Dibenzo(a,h)anthracene	278	21.433	21.391	(1.070)	4083741	80.0000	82.95
80 Benzo(g,h,i)perylene	276	21.701	21.648	(1.083)	4172777	80.0000	79.51
90 N-Nitrosodimethylamine	74	2.052	2.026	(0.316)	826257	80.0000	78.63
103 Pyridine	79	2.015	2.010	(0.311)	1735078	80.0000	80.60(M)
91 Aniline	93	6.064	6.049	(0.935)	2031317	80.0000	79.29
105 1-methylnaphthalene	141	9.814	9.799	(1.154)	1856826	80.0000	80.46
93 Benzidine	184	15.899	15.878	(0.888)	985501	80.0000	66.03
98 Retene	219	16.540	16.525	(0.923)	1444403	80.0000	76.85
111 Azobenzene (1,2-DP-Hydrazine)	77	12.491	12.475	(1.103)	2782752	80.0000	78.15
144 alpha-Terpineol	59	8.612	8.592	(1.013)	960962	80.0000	78.24
143 1,4-Dioxane	88	1.630	1.625	(0.251)	613869	80.0000	83.85
$ 137 d8-1,4-Dioxane	96	1.598	1.593	(0.246)	594443	80.0000	84.77
133 Butylatedhydroxytoluene	205	11.566	11.556	(1.022)	1684394	80.0000	81.77
115 Tributyl Phosphate	99	12.635	12.603	(0.925)	2225978	80.0000	80.73
116 Dibutyl Phenyl Phosphate	175	14.307	14.297	(1.048)	1822188	80.0000	84.94
117 Butyl Diphenyl Phosphate	94	15.952	15.942	(0.891)	574393	80.0000	77.46
118 Triphenyl Phosphate	326	17.528	17.513	(0.979)	488569	80.0000	79.47

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 0800705.d
Lab Smp Id: ABN 80
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	194774	-2.95
27 Naphthalene-d8	684917	342458	1369834	671389	-1.98
42 Acenaphthene-d10	379750	189875	759500	363913	-4.17
59 Phenanthrene-d10	559641	279820	1119282	549021	-1.90
69 Chrysene-d12	488455	244228	976910	515271	5.49
134 Di-n-octylphthala	797584	398792	1595168	826407	3.61
77 Perylene-d12	578815	289408	1157630	651976	12.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.49	0.21
27 Naphthalene-d8	8.49	7.99	8.99	8.51	0.16
42 Acenaphthene-d10	11.32	10.82	11.82	11.32	0.02
59 Phenanthrene-d10	13.65	13.15	14.15	13.66	0.06
69 Chrysene-d12	17.90	17.40	18.40	17.91	0.05
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.04
77 Perylene-d12	20.02	19.52	20.52	20.03	0.07

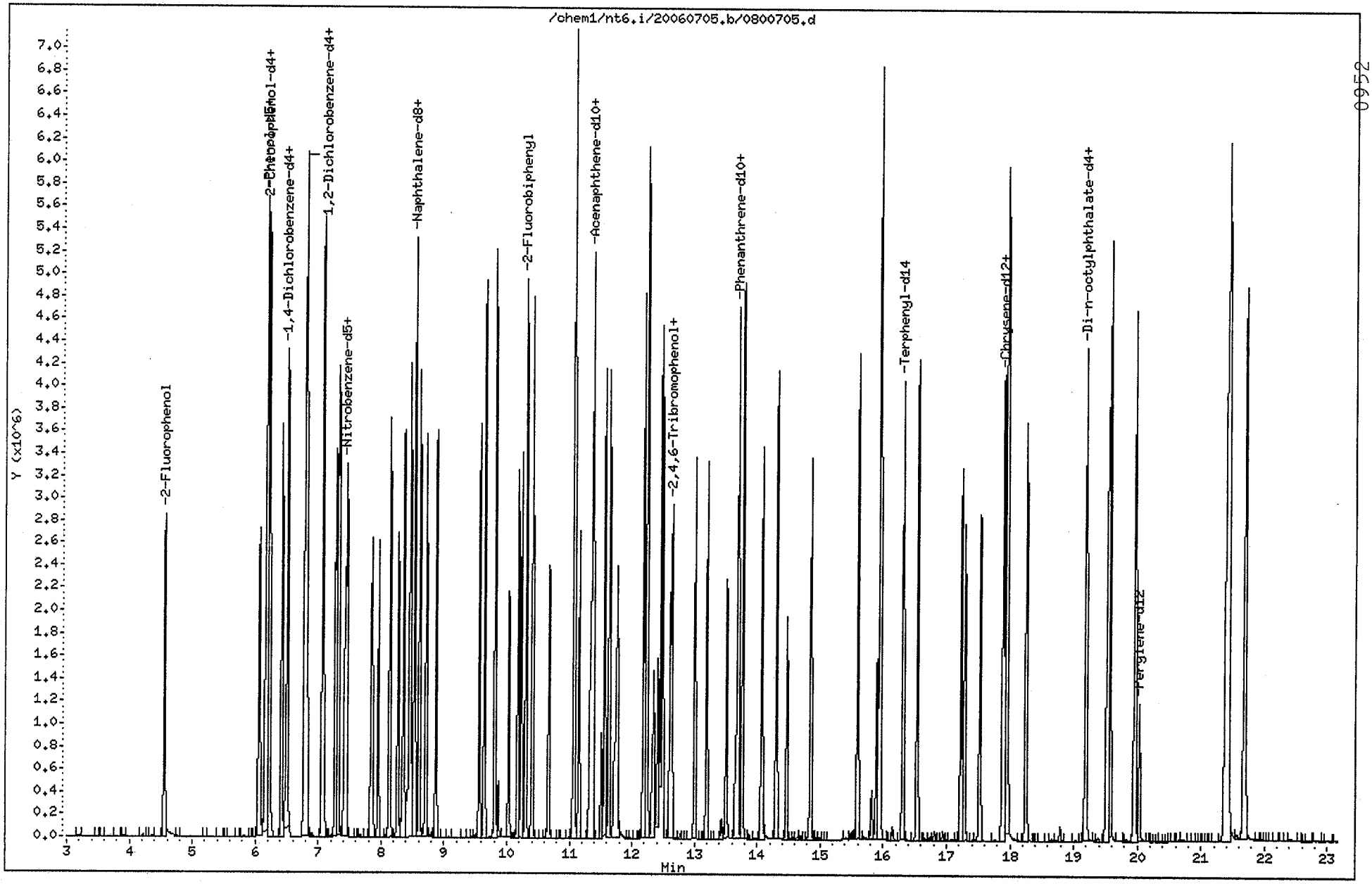
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0800705.d
Date : 05-JUL-2006 10:46
Client ID:
Sample Info: ABN 80

Column phase: ZB-5

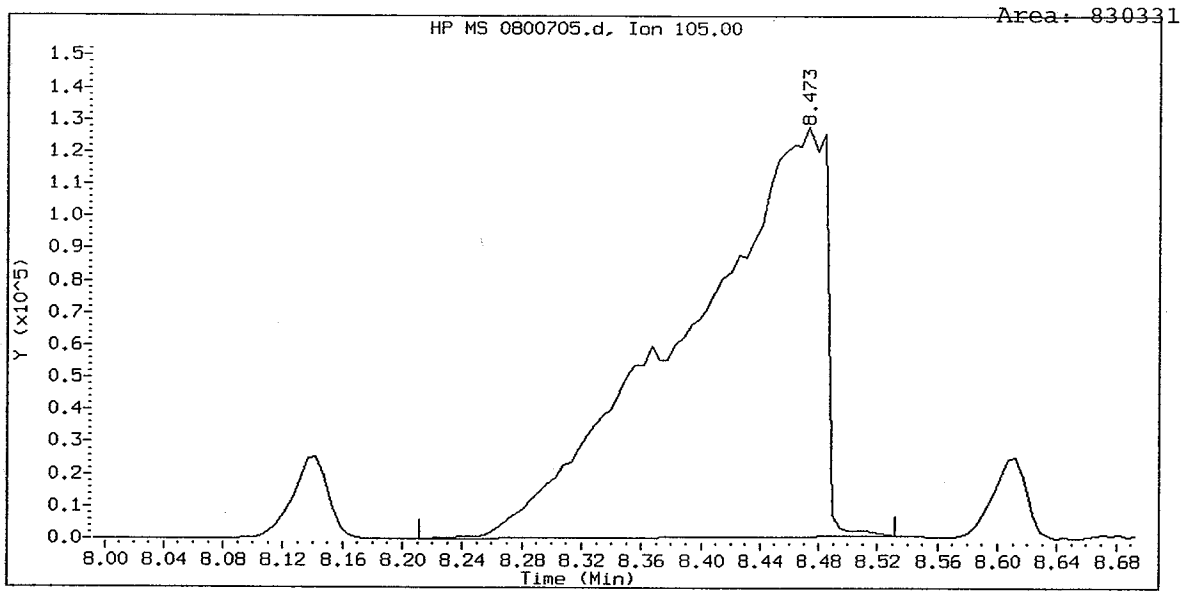
Instrument: nt6.i

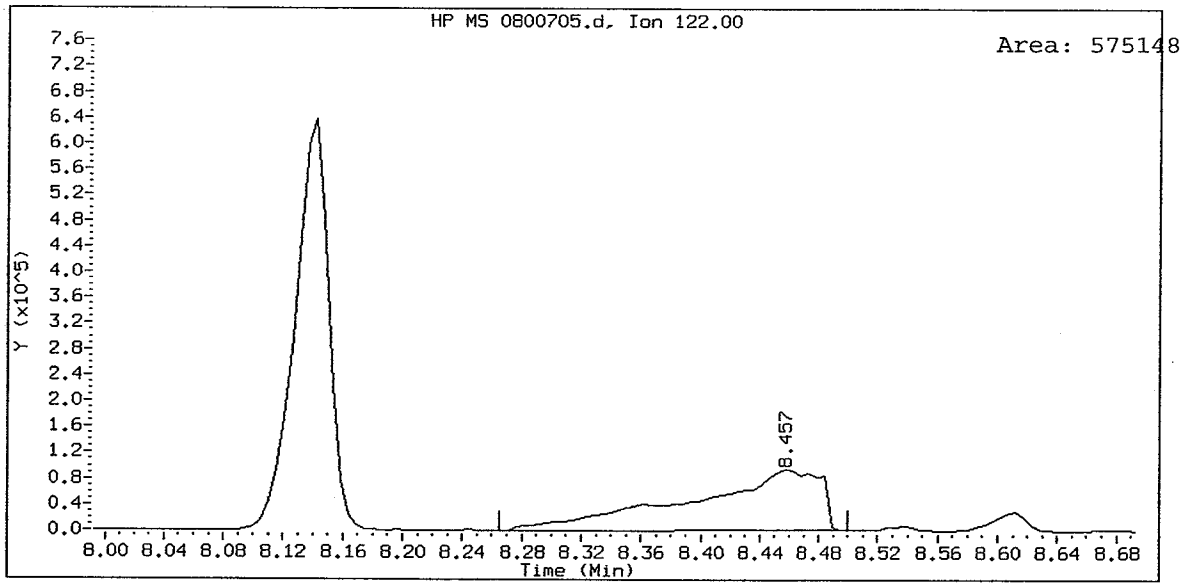
Operator: LJR
Column diameter: 0.32

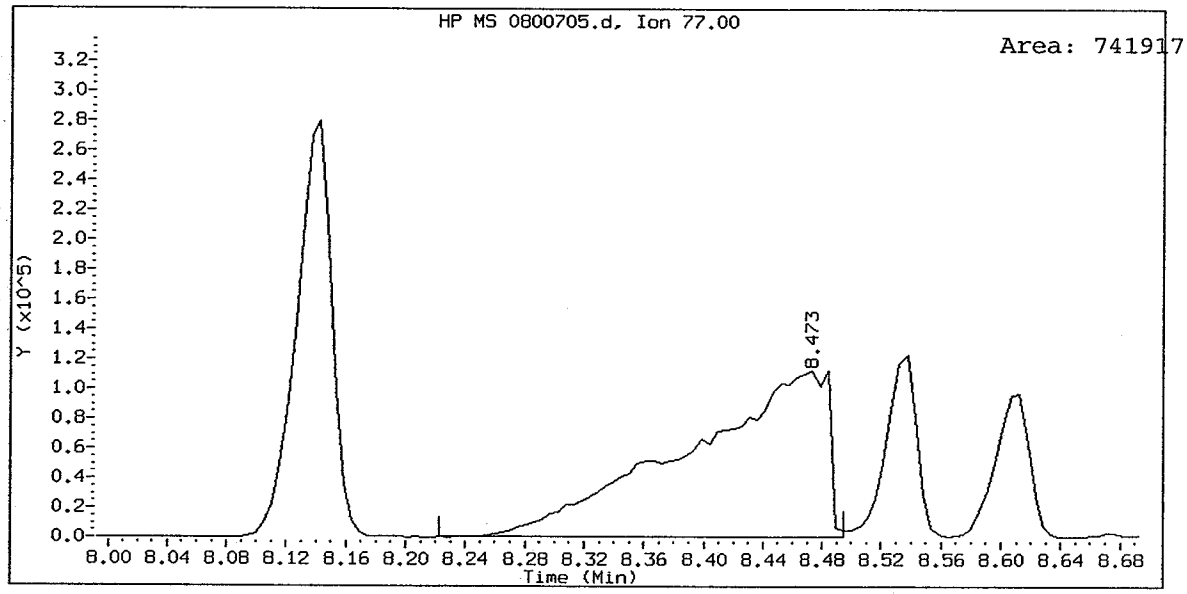


0952

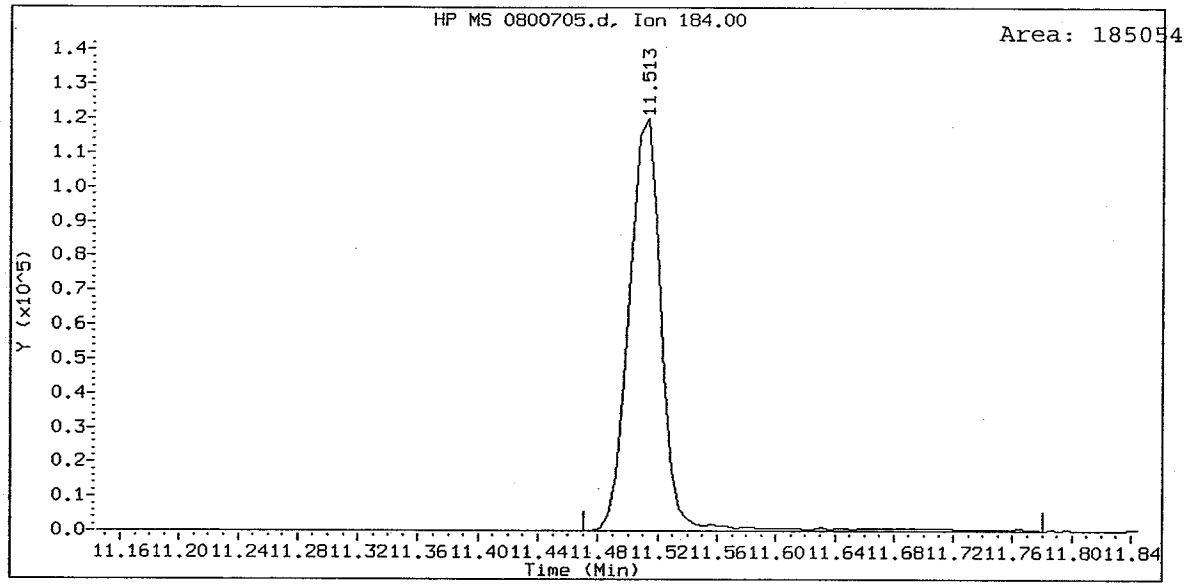
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Benzoic acid Amount: 102.74

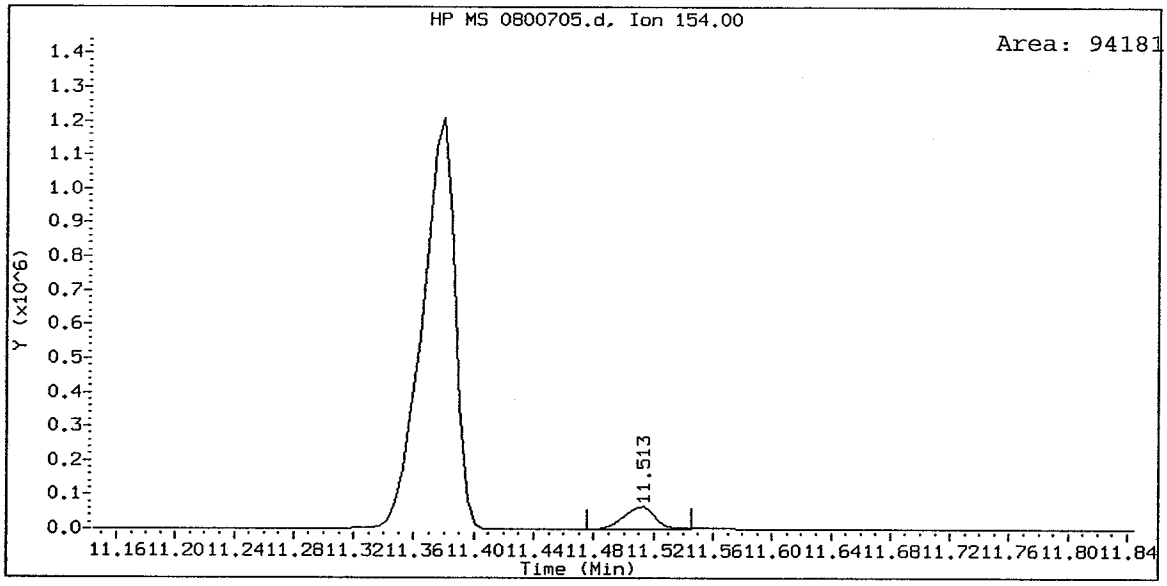


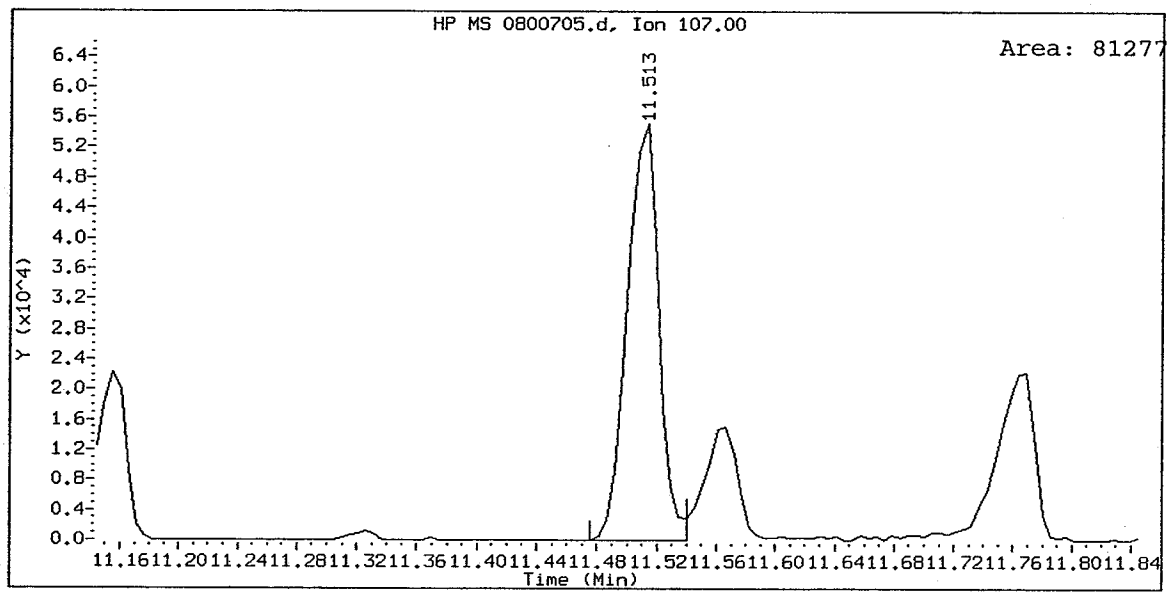




ABN 80, /chem1/nt6.i/20060705.b/0800705.d
2,4-Dinitrophenol Amount: 165.10







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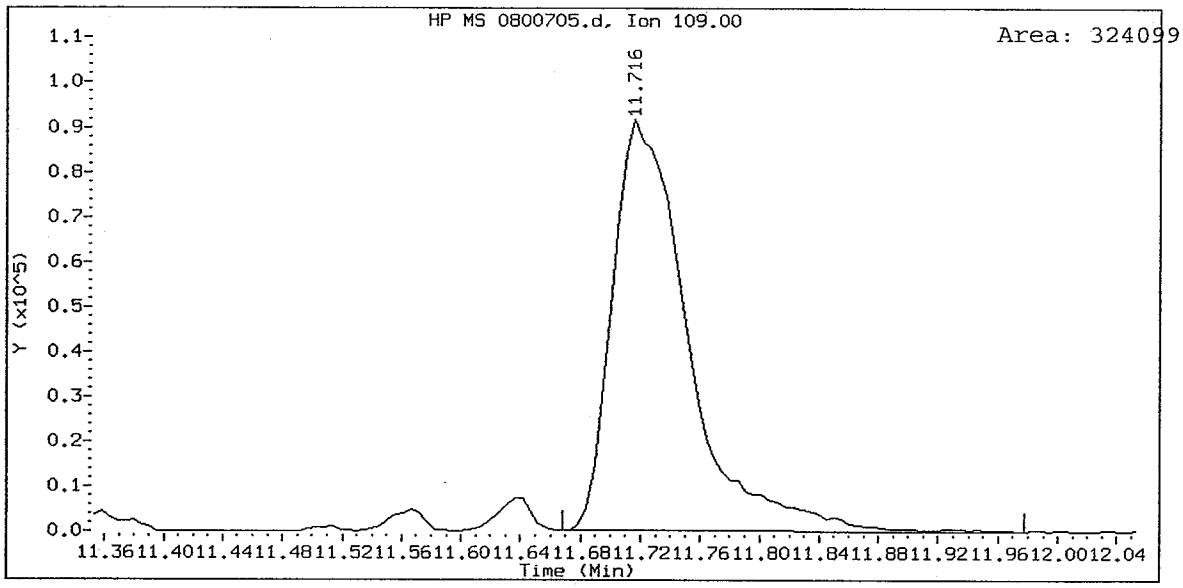
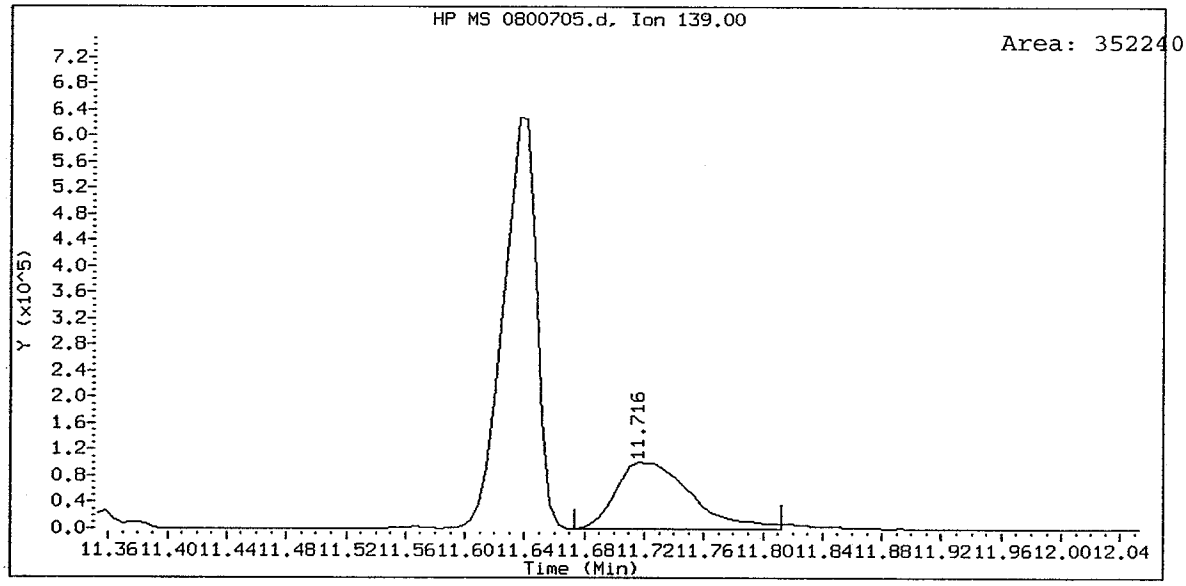
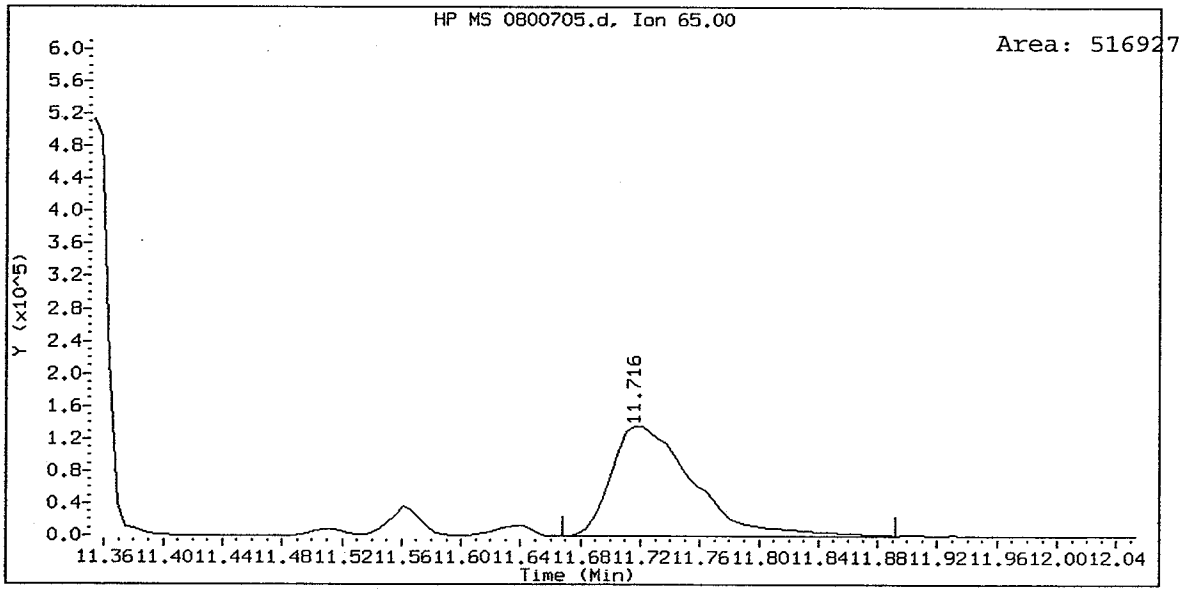
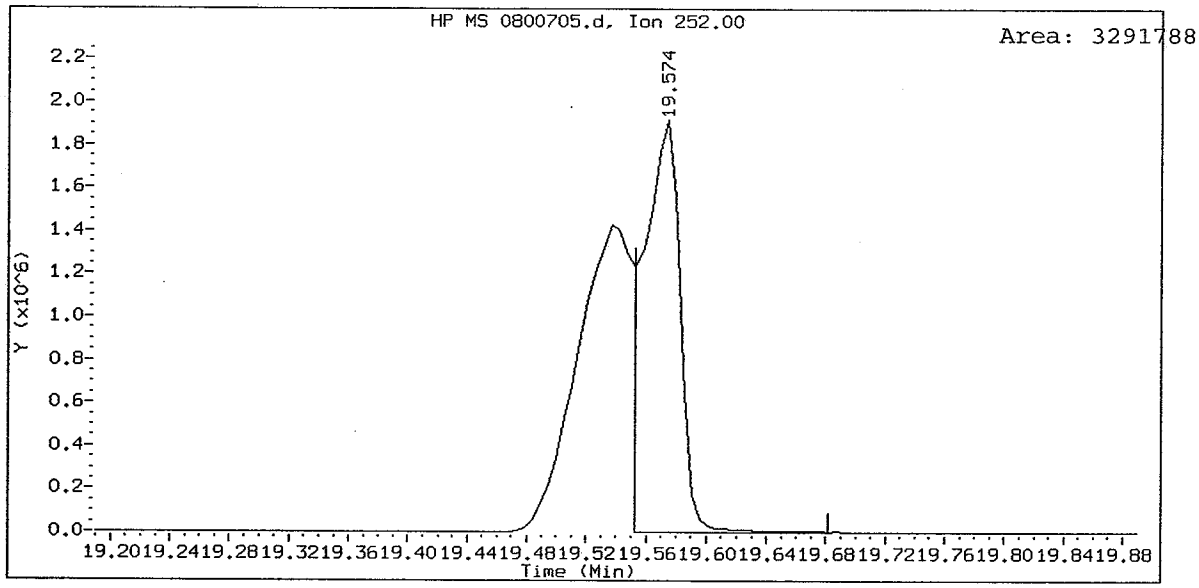
4-Nitrophenol Amount: 80.69

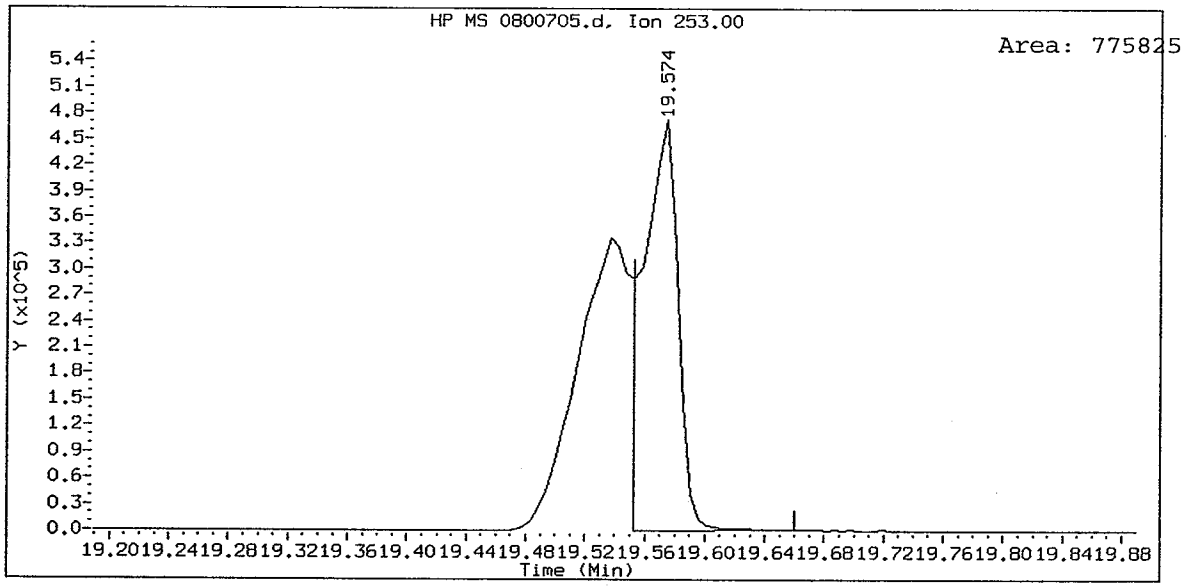


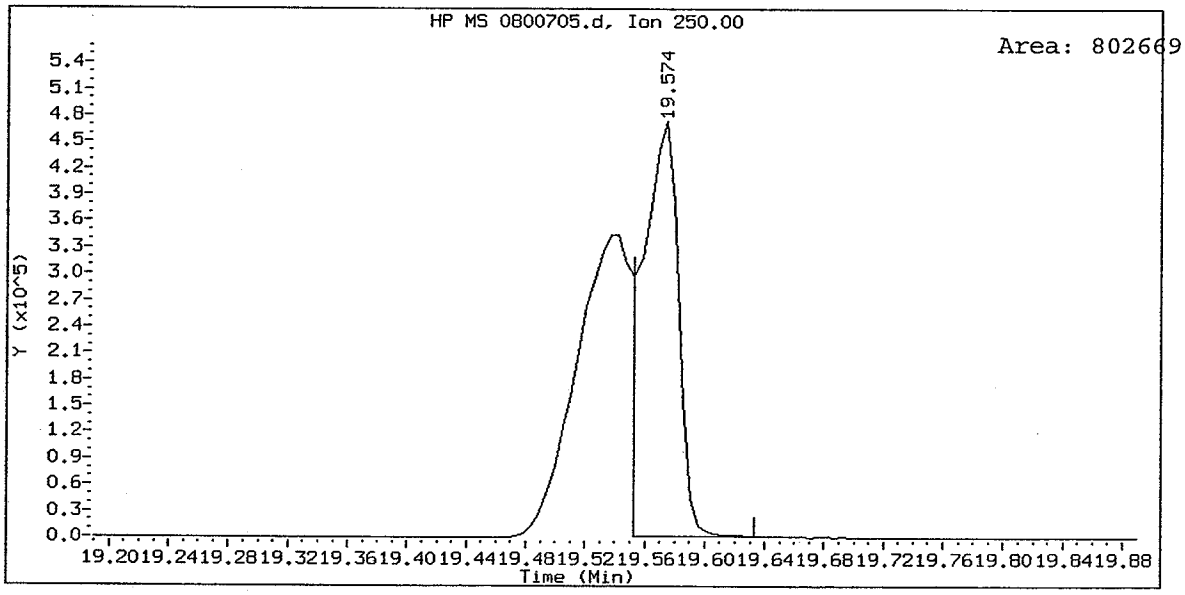




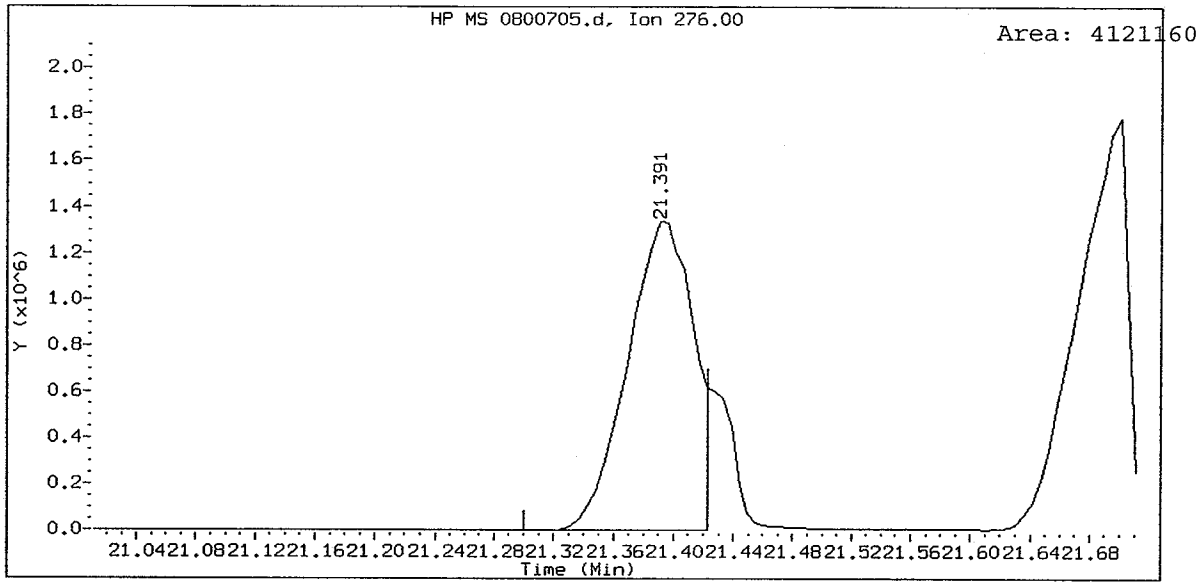
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Benzo(k)fluoranthene Amount: 74.37

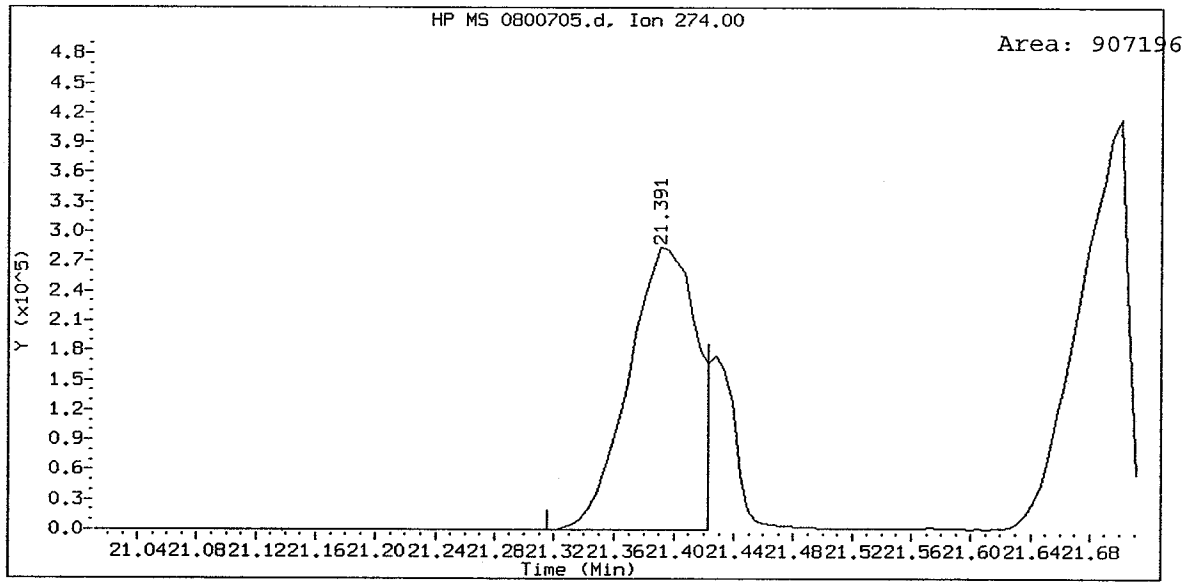


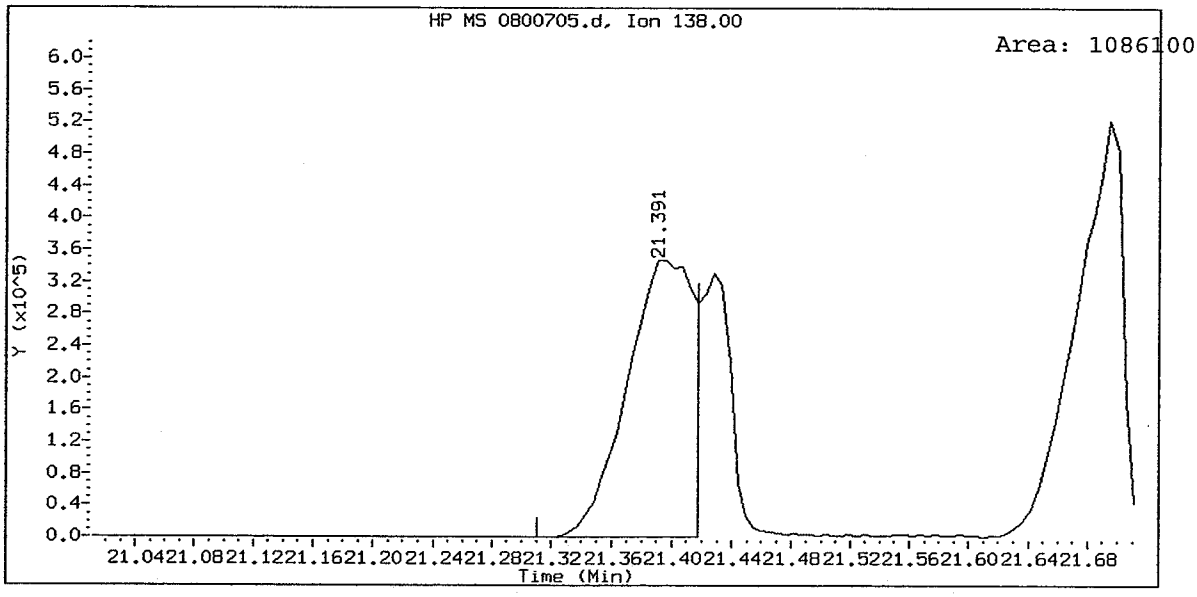




ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Indeno(1,2,3-cd)pyrene Amount: 82.23







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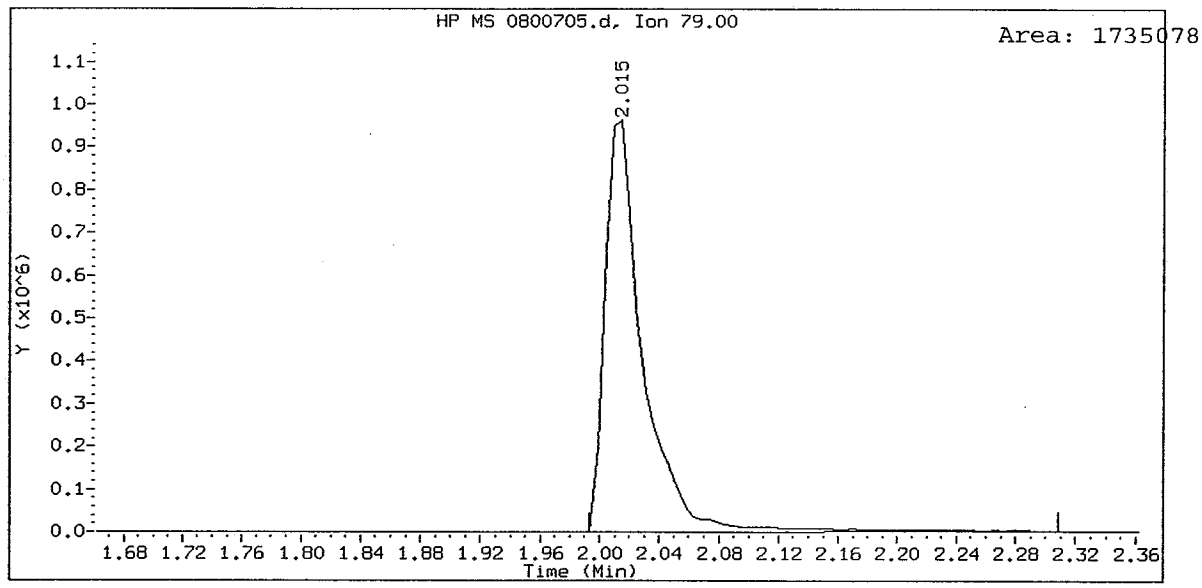
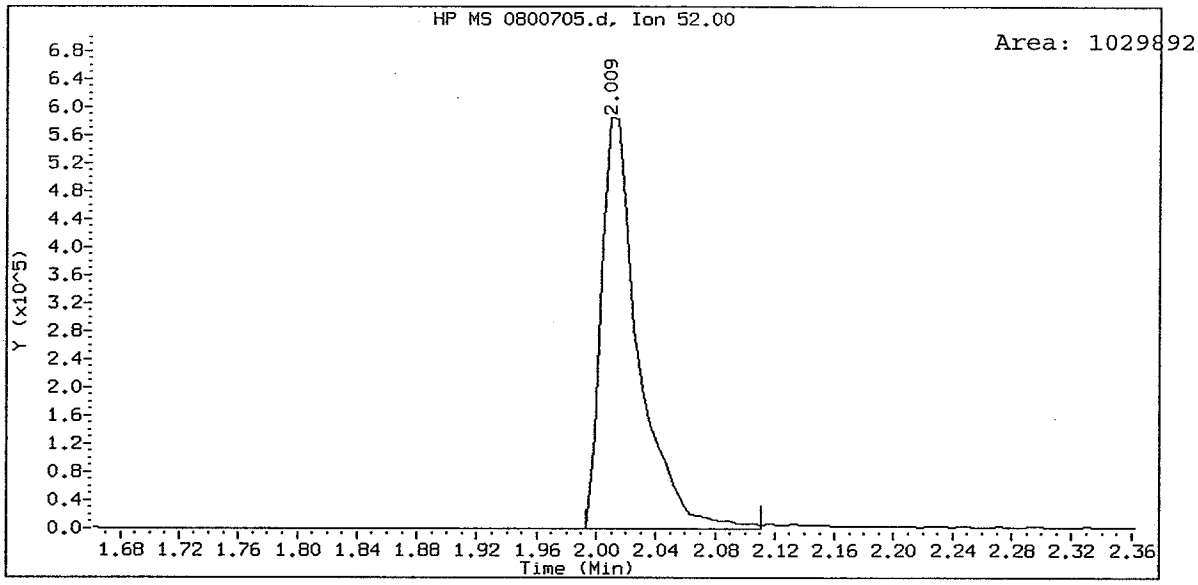
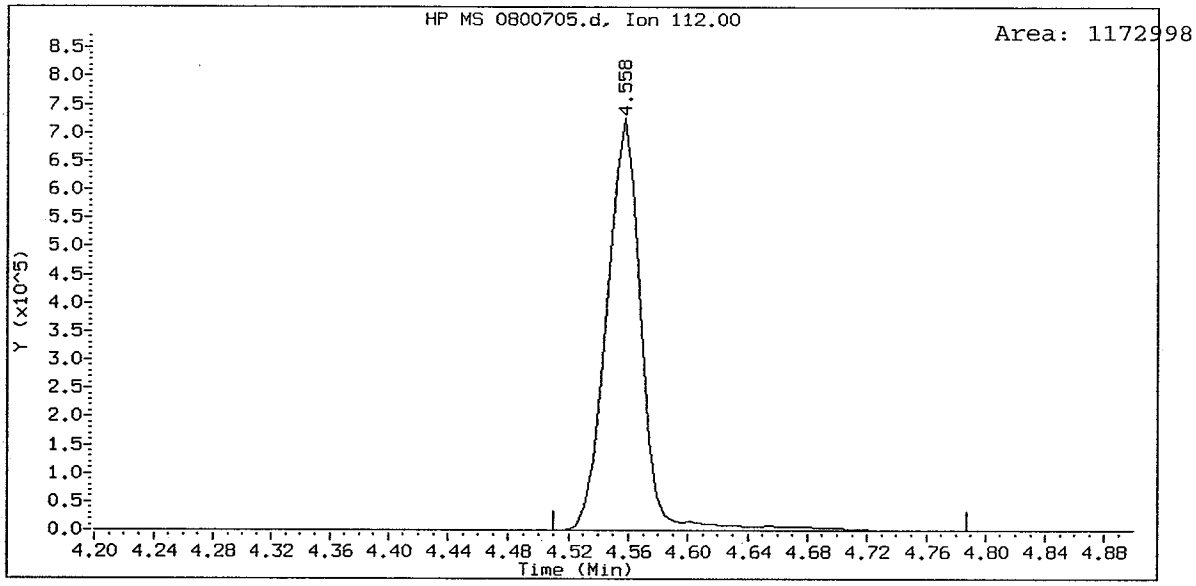
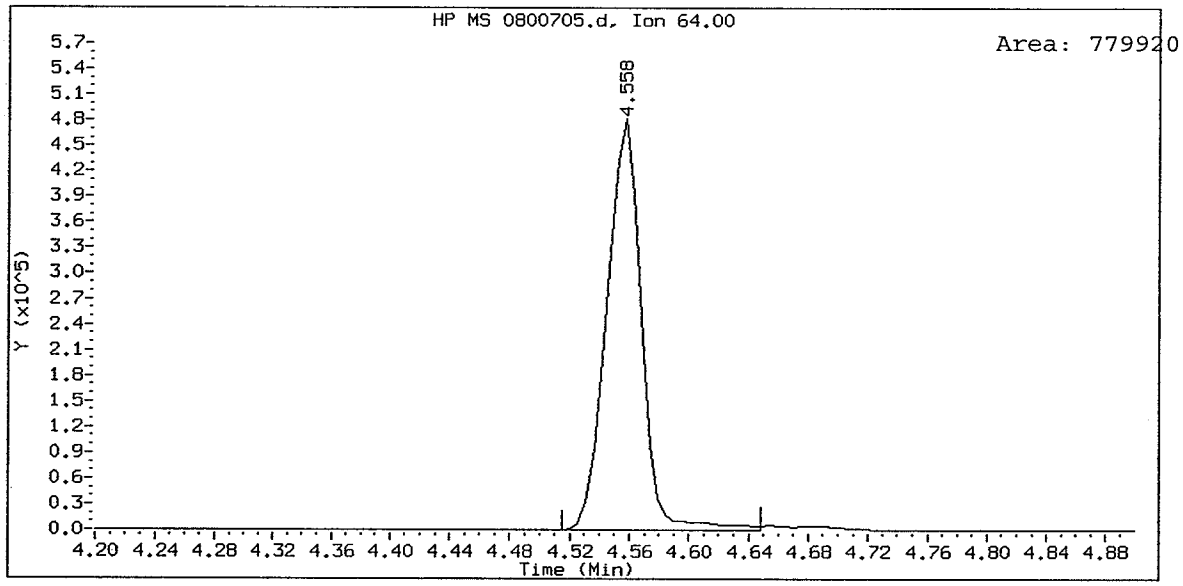
Pyridine Amount: 80.60





ABN 80, /chem1/nt6.i/20060705.b/0800705.d
2-Fluorophenol Amount: 81.61





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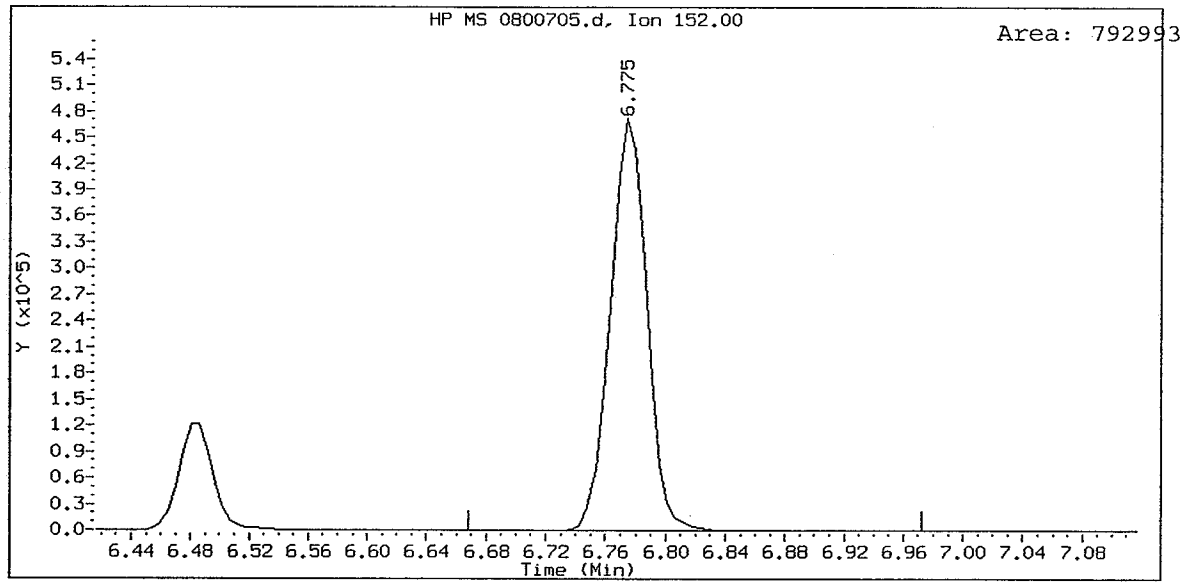
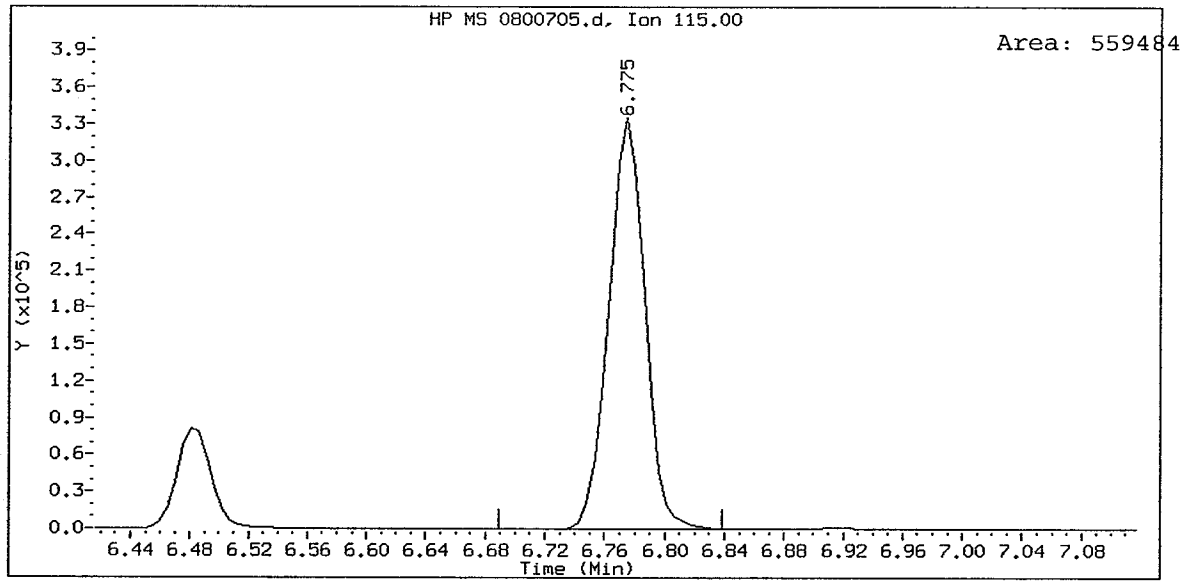
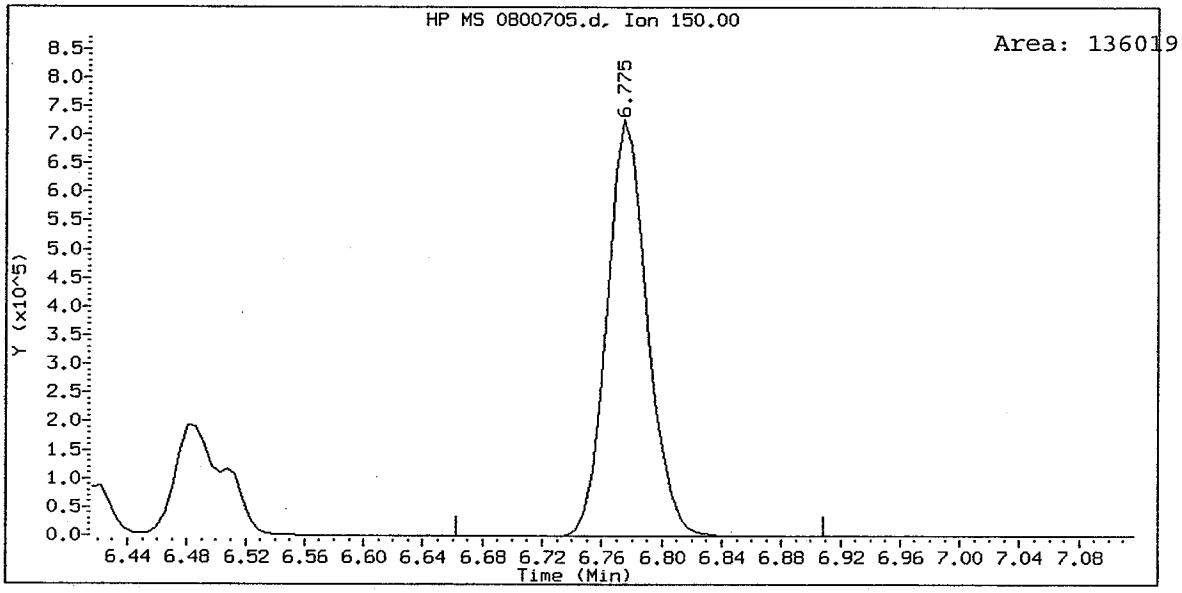
1,2-Dichlorobenzene-d4 Amount: 83.31







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/icv0705.d
Lab Smp Id: ABN ICV
Inj Date : 05-JUL-2006 13:20
Operator : LJR Inst ID: nt6.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060705.b/SW846.m
Meth Date : 05-Jul-2006 14:06 jeff Quant Type: ISTD
Cal Date : 05-JUL-2006 12:49 Cal File: 0100705.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50

LJR 7/5/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	3 Phenol	94	6.153	6.150	(0.950)	434125	20.4539	20.45
	4 Bis(2-Chloroethyl)ether	93	6.191	6.188	(0.956)	320659	20.3049	20.30
	6 2-Chlorophenol	128	6.212	6.209	(0.960)	300438	20.5723	20.57
	7 1,3-Dichlorobenzene	146	6.410	6.407	(0.990)	325211	20.4857	20.49
*	8 1,4-Dichlorobenzene-d4	152	6.474	6.476	(1.000)	190508	20.0000	
	9 1,4-Dichlorobenzene	146	6.501	6.497	(1.004)	336722	20.6410	20.64
	11 Benzyl alcohol	108	6.795	6.791	(1.050)	222926	22.0455	22.05
	12 1,2-Dichlorobenzene	146	6.789	6.786	(1.049)	318129	20.2840	20.28
	13 2-Methylphenol	108	7.067	7.064	(1.092)	299547	21.4497	21.45
	14 2,2'-oxybis(1-Chloropropane)	45	7.062	7.058	(1.091)	393927	20.3676	20.37
	15 4-Methylphenol	108	7.302	7.299	(1.128)	296193	20.5655	20.57
	16 N-Nitroso-di-n-propylamine	70	7.270	7.267	(1.123)	287319	21.4965	21.50
	17 Hexachloroethane	117	7.265	7.267	(1.122)	145961	21.1359	21.14
	19 Nitrobenzene	77	7.430	7.427	(0.875)	403573	20.8858	20.89
	20 Isophorone	82	7.820	7.817	(0.921)	618915	20.4222	20.42
	21 2-Nitrophenol	139	7.948	7.945	(0.936)	149315	21.0053	21.01
	22 2,4-Dimethylphenol	107	8.119	8.116	(0.956)	300379	20.2579	20.26
	23 Bis(2-Chloroethoxy)methane	93	8.253	8.250	(0.972)	359712	21.3053	21.31
	24 Benzoic acid	105	8.349	8.340	(0.983)	170513	21.7877	21.79 (M)
	25 2,4-Dichlorophenol	162	8.338	8.340	(0.982)	232081	21.4348	21.43
	26 1,2,4-Trichlorobenzene	180	8.451	8.447	(0.995)	251544	20.1435	20.14
*	27 Naphthalene-d8	136	8.493	8.490	(1.000)	650128	20.0000	
	28 Naphthalene	128	8.525	8.522	(1.004)	817092	20.6740	20.67
	29 4-Chloroaniline	127	8.702	8.698	(1.025)	321095	20.1442	20.14
	30 Hexachlorobutadiene	225	8.867	8.869	(1.044)	160410	20.4460	20.45
	31 4-Chloro-3-methylphenol	107	9.551	9.553	(1.125)	264886	21.6554	21.66
	32 2-Methylnaphthalene	141	9.637	9.639	(1.135)	427665	20.0067	20.01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	33 Hexachlorocyclopentadiene	237	10.027	10.029	(0.886)	87399	17.9495	17.95
	34 2,4,6-Trichlorophenol	196	10.171	10.167	(0.899)	167599	20.6293	20.63
	35 2,4,5-Trichlorophenol	196	10.224	10.226	(0.904)	174796	20.7025	20.70
	37 2-Chloronaphthalene	162	10.400	10.397	(0.919)	472074	19.7304	19.73
	38 2-Nitroaniline	65	10.657	10.654	(0.942)	207038	21.2082	21.21
	39 Dimethylphthalate	163	11.063	11.060	(0.978)	530704	20.9014	20.90
	40 Acenaphthylene	152	11.063	11.060	(0.978)	731078	19.7616	19.76
	41 2,6-Dinitrotoluene	165	11.138	11.134	(0.984)	113890	19.6755	19.68
*	42 Acenaphthene-d10	164	11.314	11.316	(1.000)	364760	20.0000	
	43 3-Nitroaniline	138	11.330	11.327	(1.001)	124779	20.1691	20.17
	44 Acenaphthene	153	11.367	11.364	(1.005)	474800	20.2709	20.27
	45 2,4-Dinitrophenol	184	11.496	11.492	(1.016)	19891	17.7056	17.71(M)
	46 Dibenzofuran	168	11.624	11.626	(1.027)	625032	19.3949	19.39
	47 4-Nitrophenol	109	11.693	11.701	(1.034)	89647	22.2673	22.27
	48 2,4-Dinitrotoluene	165	11.747	11.743	(1.038)	143852	19.5880	19.59
	49 Fluorene	166	12.174	12.171	(1.076)	522742	19.9962	20.00
	50 Diethylphthalate	149	12.217	12.208	(1.080)	508897	20.7507	20.75
	51 4-Chlorophenyl-phenylether	204	12.233	12.230	(1.081)	280199	20.4036	20.40
	52 4-Nitroaniline	138	12.313	12.304	(1.088)	103938	19.1394	19.14
	53 4,6-Dinitro-2-methylphenol	198	12.388	12.384	(0.908)	72411	23.1962	23.20
	54 N-Nitrosodiphenylamine	169	12.441	12.443	(0.912)	283335	15.3746	15.37(R)
	56 4-Bromophenyl-phenylether	248	12.997	12.993	(0.952)	153833	20.4248	20.42
	57 Hexachlorobenzene	284	13.184	13.180	(0.966)	155439	19.6922	19.69
	58 Pentachlorophenol	266	13.494	13.496	(0.989)	89136	20.7335	20.73
*	59 Phenanthrene-d10	188	13.648	13.645	(1.000)	536565	20.0000	
	60 Phenanthrene	178	13.686	13.683	(1.003)	711590	19.9215	19.92
	61 Anthracene	178	13.755	13.752	(1.008)	696857	19.4330	19.43
	62 Carbazole	167	14.060	14.057	(1.030)	556593	19.2814	19.28
	63 Di-n-butylphthalate	149	14.845	14.842	(1.088)	706011	20.4183	20.42
	64 Fluoranthene	202	15.588	15.584	(1.142)	736752	20.9204	20.92
	65 Pyrene	202	15.930	15.926	(0.890)	750136	20.0449	20.04
	67 Butylbenzylphthalate	149	17.222	17.219	(0.962)	298551	21.5001	21.50
	68 Benzo(a)anthracene	228	17.879	17.876	(0.999)	687878	20.5040	20.50
*	69 Chrysene-d12	240	17.901	17.898	(1.000)	444271	20.0000	
	70 3,3'-Dichlorobenzidine	252	17.933	17.930	(1.002)	248659	20.5527	20.55
	71 Chrysene	228	17.938	17.935	(1.002)	691197	20.7329	20.73
	72 bis(2-Ethylhexyl)phthalate	149	18.248	18.245	(0.952)	386911	21.0808	21.08
*	134 Di-n-octylphthalate-d4	153	19.178	19.174	(1.000)	726904	20.0000	
	73 Di-n-octylphthalate	149	19.183	19.180	(1.000)	723545	20.8397	20.84
	74 Benzo(b)fluoranthene	252	19.509	19.506	(0.974)	650279	20.0679	20.07
	75 Benzo(k)fluoranthene	252	19.541	19.538	(0.976)	738789	22.0484	22.05
	76 Benzo(a)pyrene	252	19.942	19.938	(0.996)	613879	19.6830	19.68
*	77 Perylene-d12	264	20.022	20.024	(1.000)	493568	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.368	21.359	(1.067)	790396	20.8315	20.83(M)
	79 Dibenzo(a,h)anthracene	278	21.400	21.391	(1.069)	783072	21.0105	21.01
	80 Benzo(g,h,i)perylene	276	21.656	21.648	(1.082)	849899	21.3916	21.39
	103 Pyridine	79	2.013	2.010	(0.311)	422787	20.0805	20.08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
90 N-Nitrosodimethylamine	74	2.029	2.026	(0.313)	213344	20.7580	20.76
91 Aniline	93	6.047	6.049	(0.934)	471774	18.8266	18.83
105 1-methylnaphthalene	141	9.802	9.799	(1.154)	441584	19.7617	19.76
111 Azobenzene (1,2-DP-Hydrazine)	77	12.473	12.475	(1.102)	732433	20.5226	20.52
93 Benzidine	184	15.881	15.878	(0.887)	149439	11.6134	11.61 (RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: icv0705.d
Lab Smp Id: ABN ICV
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Calibration Date: 05-JUL-2006
Calibration Time: 10:16

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	200696	100348	401392	190508	-5.08
27 Naphthalene-d8	684917	342458	1369834	650128	-5.08
42 Acenaphthene-d10	379750	189875	759500	364760	-3.95
59 Phenanthrene-d10	559641	279820	1119282	536565	-4.12
69 Chrysene-d12	488455	244228	976910	444271	-9.05
134 Di-n-octylphthala	797584	398792	1595168	726904	-8.86
77 Perylene-d12	578815	289408	1157630	493568	-14.73

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.47	5.97	6.97	6.47	0.02
27 Naphthalene-d8	8.49	7.99	8.99	8.49	0.01
42 Acenaphthene-d10	11.32	10.82	11.82	11.31	-0.04
59 Phenanthrene-d10	13.65	13.15	14.15	13.65	0.01
69 Chrysene-d12	17.90	17.40	18.40	17.90	-0.02
134 Di-n-octylphthala	19.18	18.68	19.68	19.18	0.01
77 Perylene-d12	20.02	19.52	20.52	20.02	0.01

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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ABN ICV
Level:
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

Client SDG: 20060705
Fraction: SV

Operator: LJR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	25.00	20.45	81.82	
4 Bis(2-Chloroethyl)	25.00	20.30	81.22	
6 2-Chlorophenol	25.00	20.57	82.29	
7 1,3-Dichlorobenzen	25.00	20.49	81.94	
9 1,4-Dichlorobenzen	25.00	20.64	82.56	
11 Benzyl alcohol	25.00	22.05	88.18	
12 1,2-Dichlorobenzen	25.00	20.28	81.14	
13 2-Methylphenol	25.00	21.45	85.80	
14 2,2'-oxybis(1-Chlo	25.00	20.37	81.47	
15 4-Methylphenol	25.00	20.57	82.26	
16 N-Nitroso-di-n-pro	25.00	21.50	85.99	
19 Nitrobenzene	25.00	20.89	83.54	
20 Isophorone	25.00	20.42	81.69	
21 2-Nitrophenol	25.00	21.01	84.02	
22 2,4-Dimethylphenol	25.00	20.26	81.03	
23 Bis(2-Chloroethoxy	25.00	21.31	85.22	
24 Benzoic acid	25.00	21.79	87.15	
25 2,4-Dichlorophenol	25.00	21.43	85.74	
26 1,2,4-Trichloroben	25.00	20.14	80.57	
28 Naphthalene	25.00	20.67	82.70	
29 4-Chloroaniline	25.00	20.14	80.58	
30 Hexachlorobutadien	25.00	20.45	81.78	
31 4-Chloro-3-methylp	25.00	21.66	86.62	
32 2-Methylnaphthalen	25.00	20.01	80.03	
33 Hexachlorocyclopen	25.00	17.95	71.80	
34 2,4,6-Trichlorophe	25.00	20.63	82.52	
35 2,4,5-Trichlorophe	25.00	20.70	82.81	
37 2-Chloronaphthalen	25.00	19.73	78.92	
39 Dimethylphthalate	25.00	20.90	83.61	
40 Acenaphthylene	25.00	19.76	79.05	
43 3-Nitroaniline	25.00	20.17	80.68	
44 Acenaphthene	25.00	20.27	81.08	
46 Dibenzofuran	25.00	19.39	77.58	

OK

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
48	2,4-Dinitrotoluene	25.00	19.59	78.35	
49	Fluorene	25.00	20.00	79.98	
50	Diethylphthalate	25.00	20.75	83.00	
51	4-Chlorophenyl-phe	25.00	20.40	81.61	
52	4-Nitroaniline	25.00	19.14	76.56	
53	4,6-Dinitro-2-meth	25.00	23.20	92.78	
54	N-Nitrosodiphenyla	25.00	15.37	61.50*	
56	4-Bromophenyl-phen	25.00	20.42	81.70	
57	Hexachlorobenzene	25.00	19.69	78.77	
58	Pentachlorophenol	25.00	20.73	82.93	
60	Phenanthrene	25.00	19.92	79.69	
61	Anthracene	25.00	19.43	77.73	
62	Carbazole	25.00	19.28	77.13	
63	Di-n-butylphthalat	25.00	20.42	81.67	
64	Fluoranthene	25.00	20.92	83.68	
65	Pyrene	25.00	20.04	80.18	
67	Butylbenzylphthala	25.00	21.50	86.00	
68	Benzo(a)anthracene	25.00	20.50	82.02	
70	3,3'-Dichlorobenzi	25.00	20.55	82.21	
71	Chrysene	25.00	20.73	82.93	
72	bis(2-Ethylhexyl)p	25.00	21.08	84.32	
73	Di-n-octylphthalat	25.00	20.84	83.36	
74	Benzo(b)fluoranthe	25.00	20.07	80.27	
75	Benzo(k)fluoranthe	25.00	22.05	88.19	
76	Benzo(a)pyrene	25.00	19.68	78.73	
78	Indeno(1,2,3-cd)py	25.00	20.83	83.33	
79	Dibenzo(a,h)anthra	25.00	21.01	84.04	
80	Benzo(g,h,i)peryle	25.00	21.39	85.57	
103	Pyridine	25.00	20.08	80.32	
90	N-Nitrosodimethyla	25.00	20.76	83.03	
91	Aniline	25.00	18.83	75.31	
105	1-methylnaphthalen	25.00	19.76	79.05	
111	Azobenzene (1,2-DP	25.00	20.52	82.09	
93	Benzidine	25.00	11.61	46.45*	

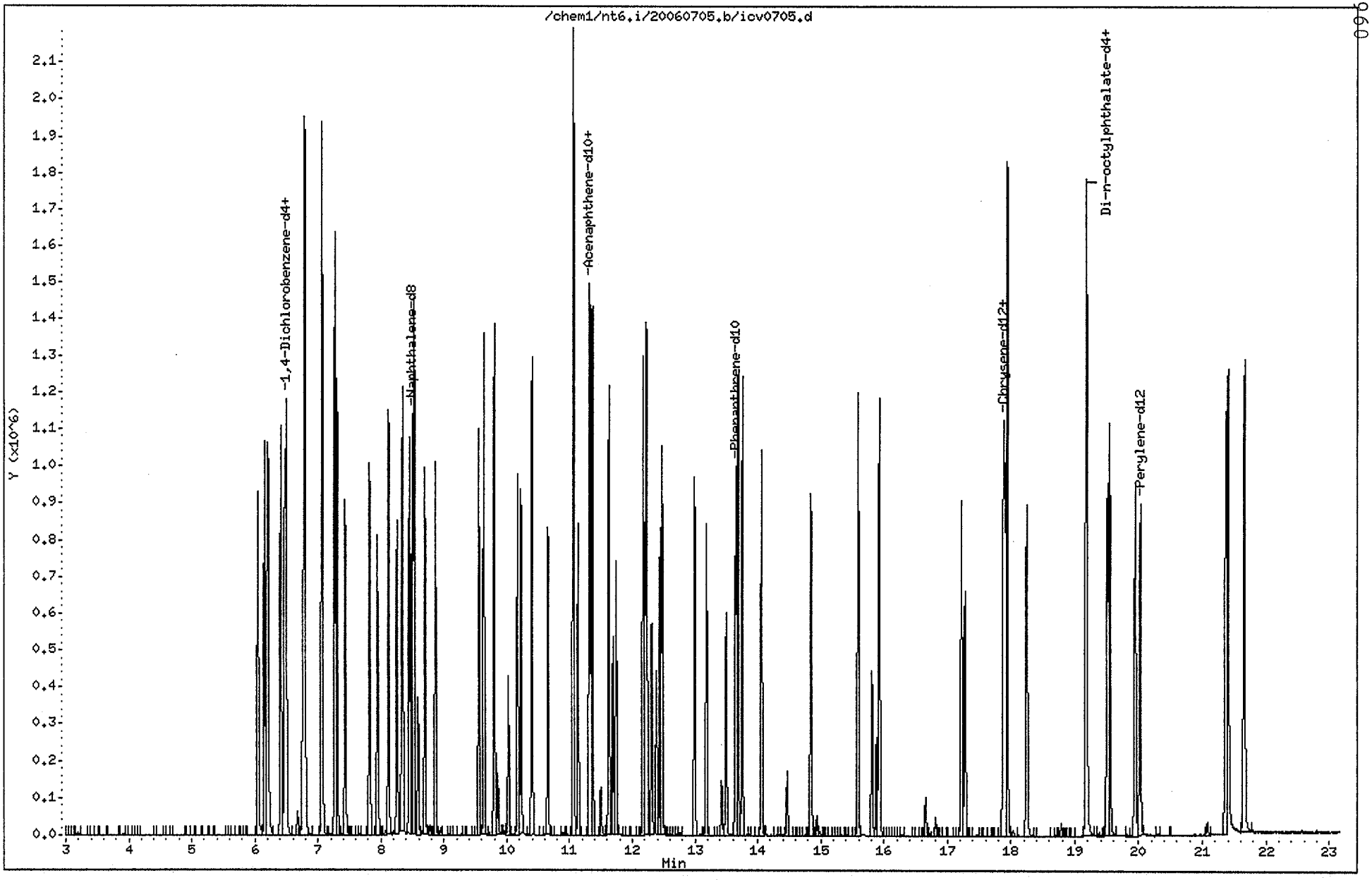
OK

Data File: /chem1/nt6.i/20060705.b/icv0705.d
Date : 05-JUL-2006 13:20
Client ID:
Sample Info: ABN ICV

Column phase: ZB-5

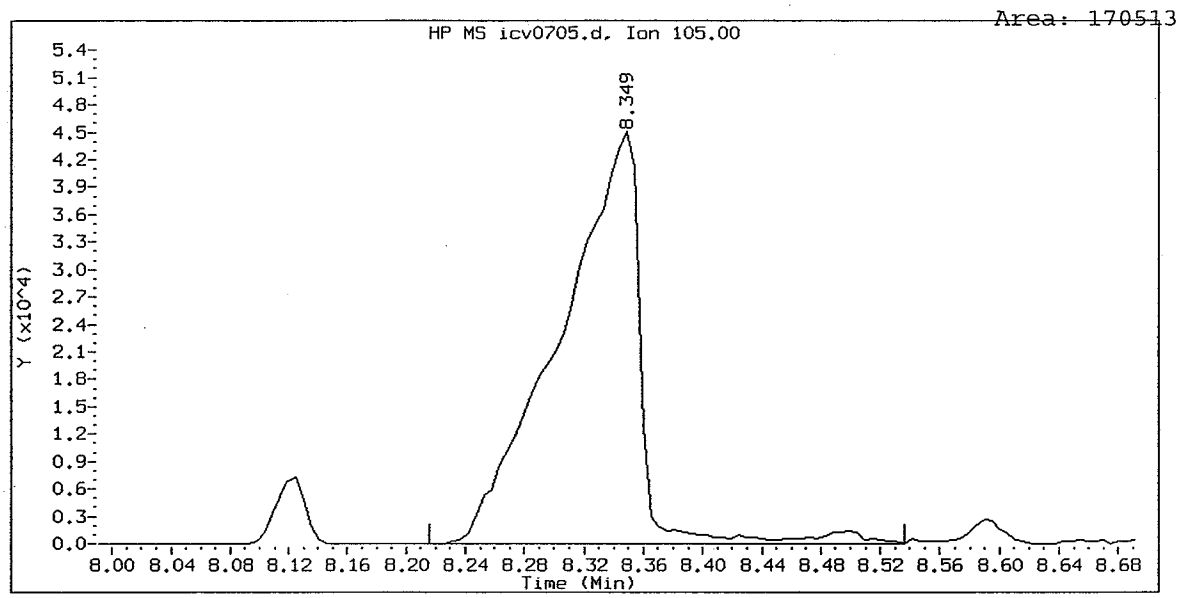
Instrument: nt6.i

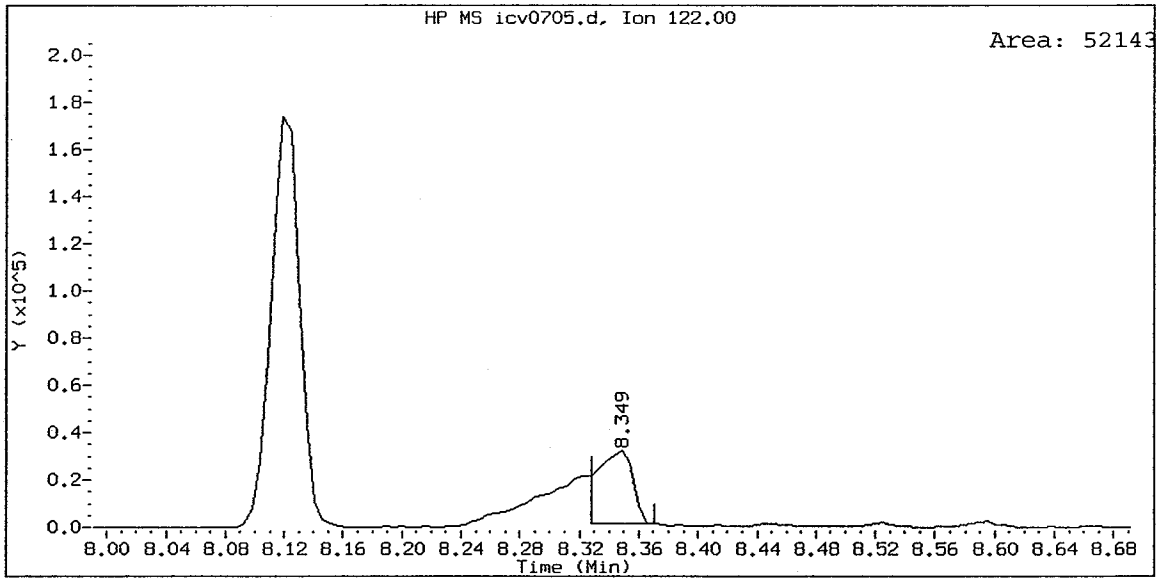
Operator: LJR
Column diameter: 0.32

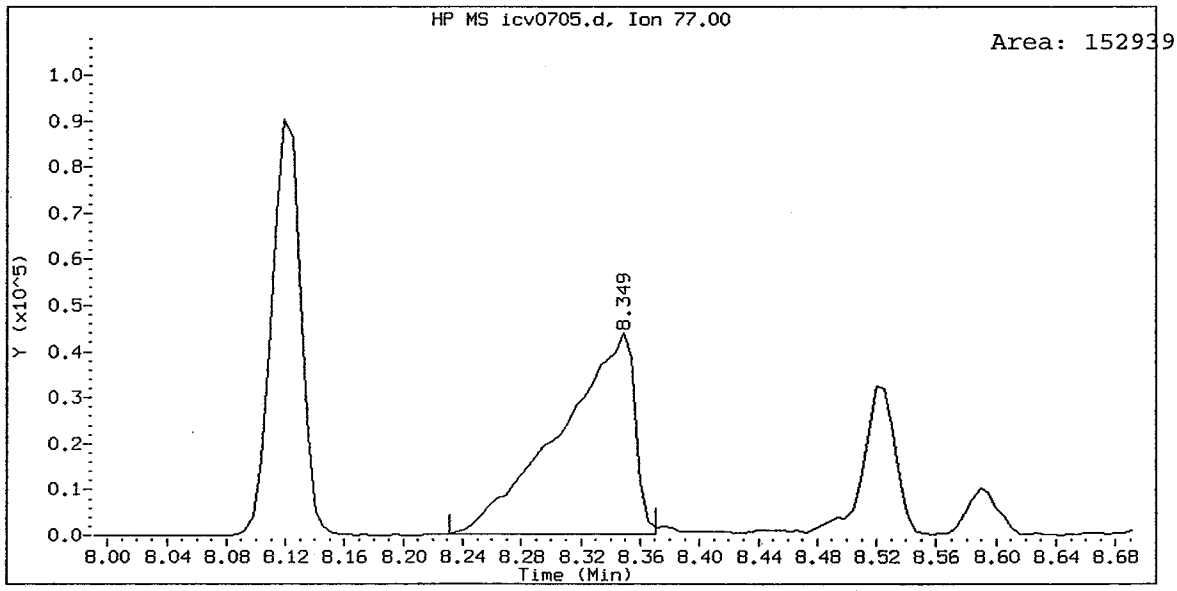


0067

ABN ICV, /chem1/nt6.i/20060705.b/icv0705.d
Benzoic acid Amount: 21.79







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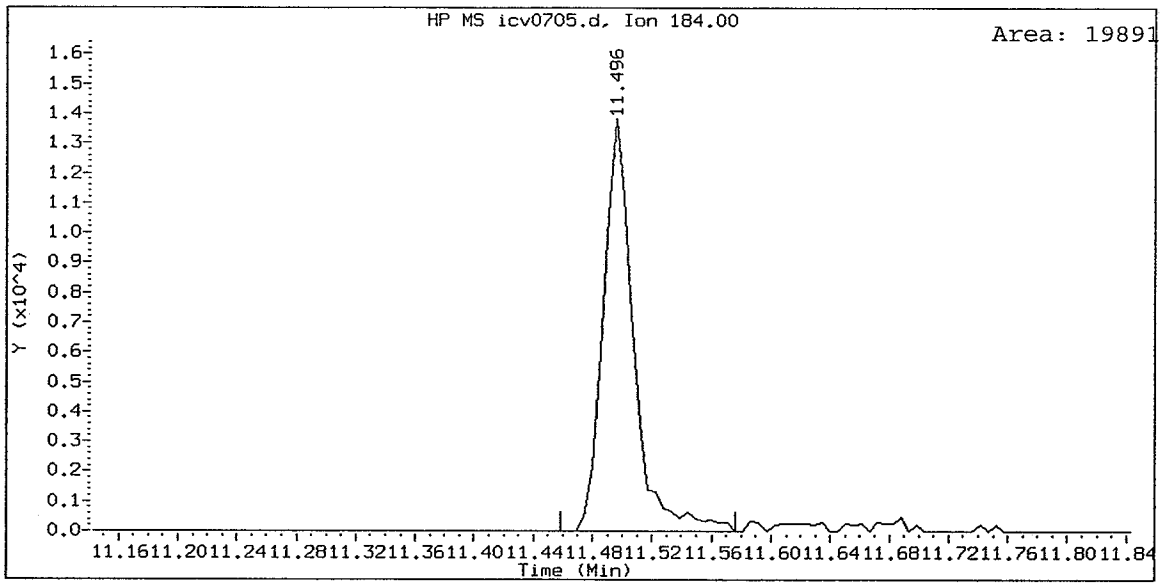
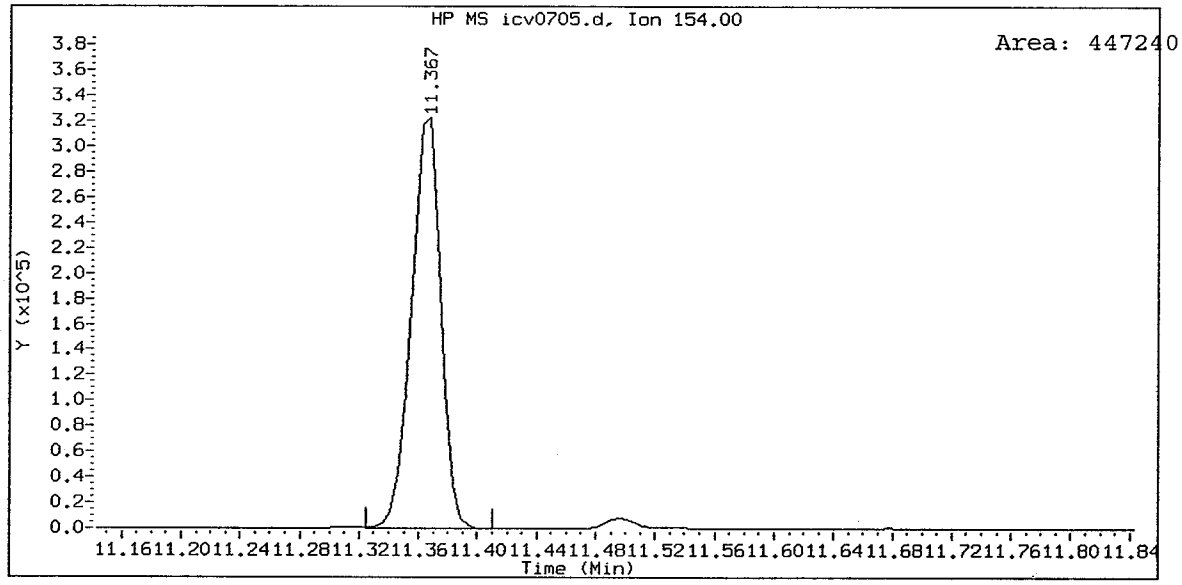
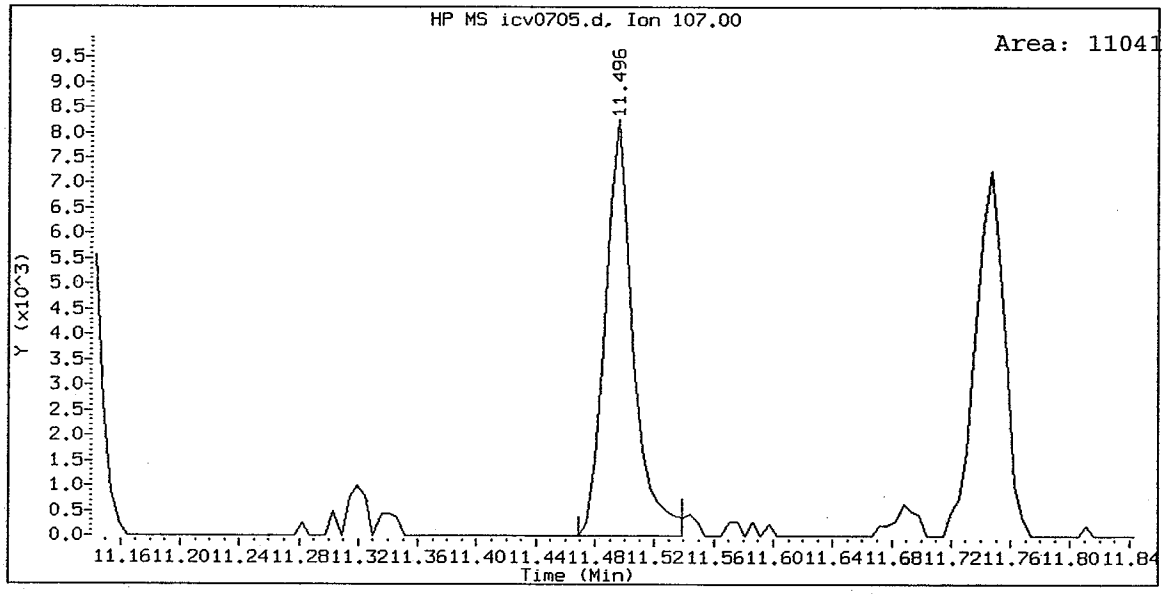
2,4-Dinitrophenol Amount: 17.71







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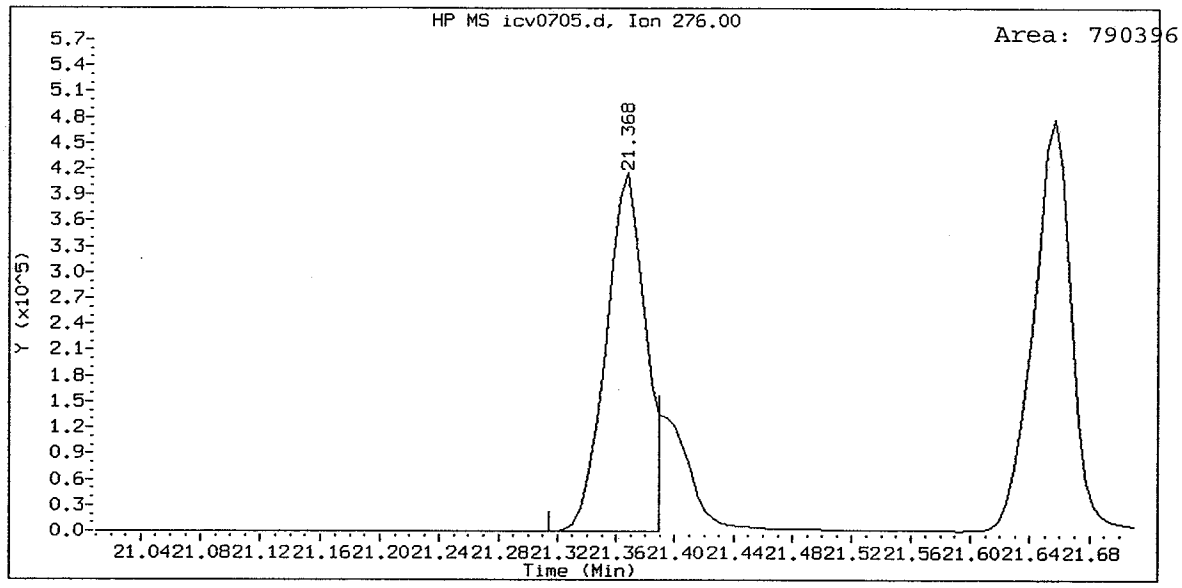
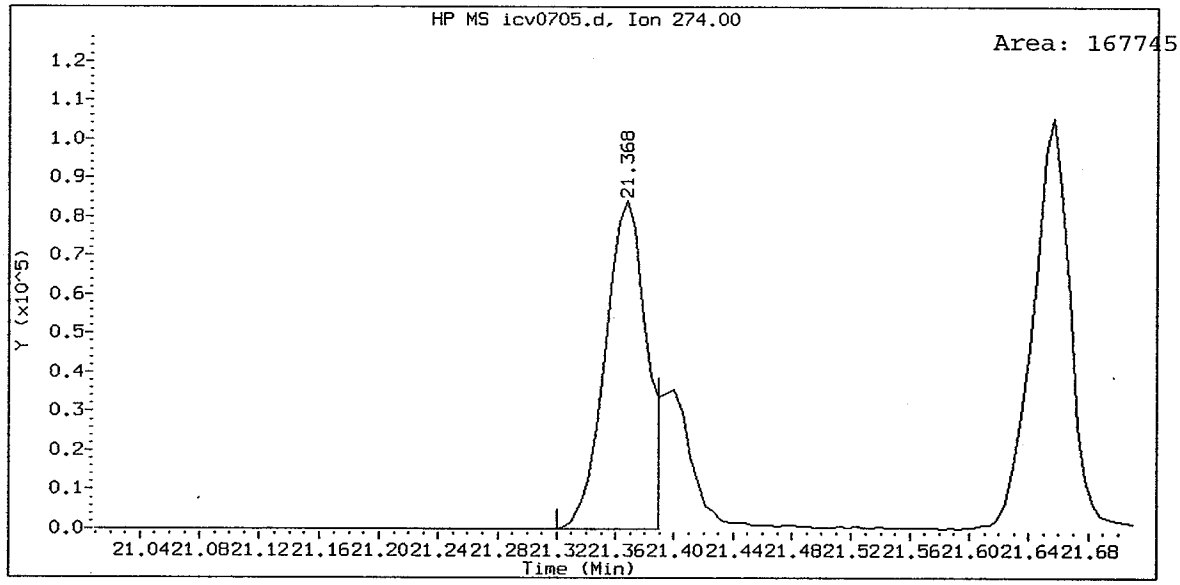
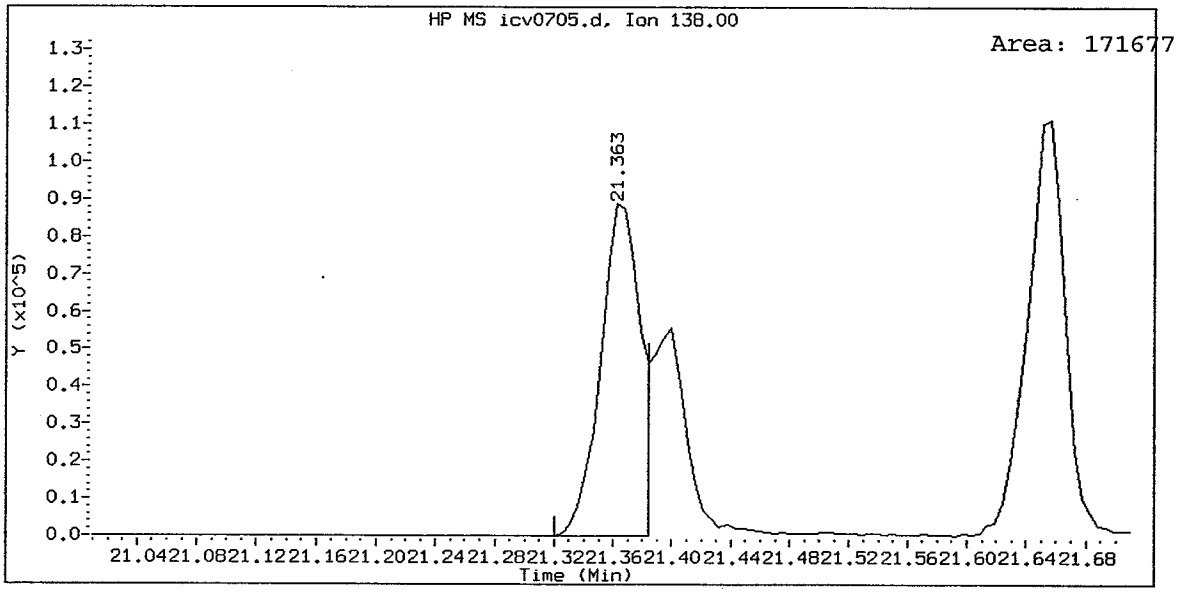
Indeno(1,2,3-cd)pyrene Amount: 20.83







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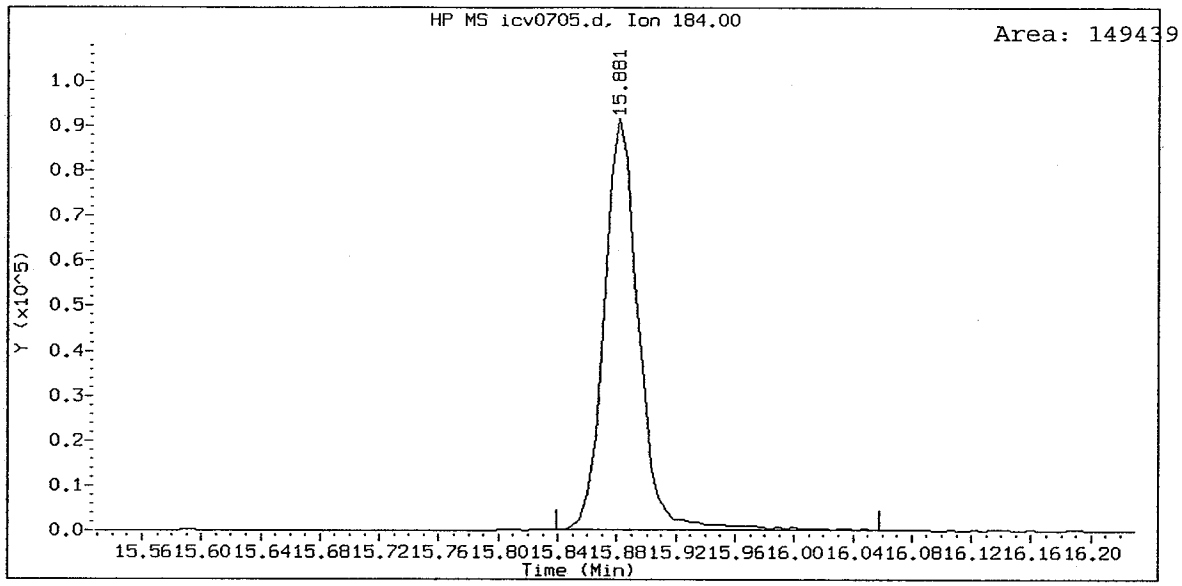
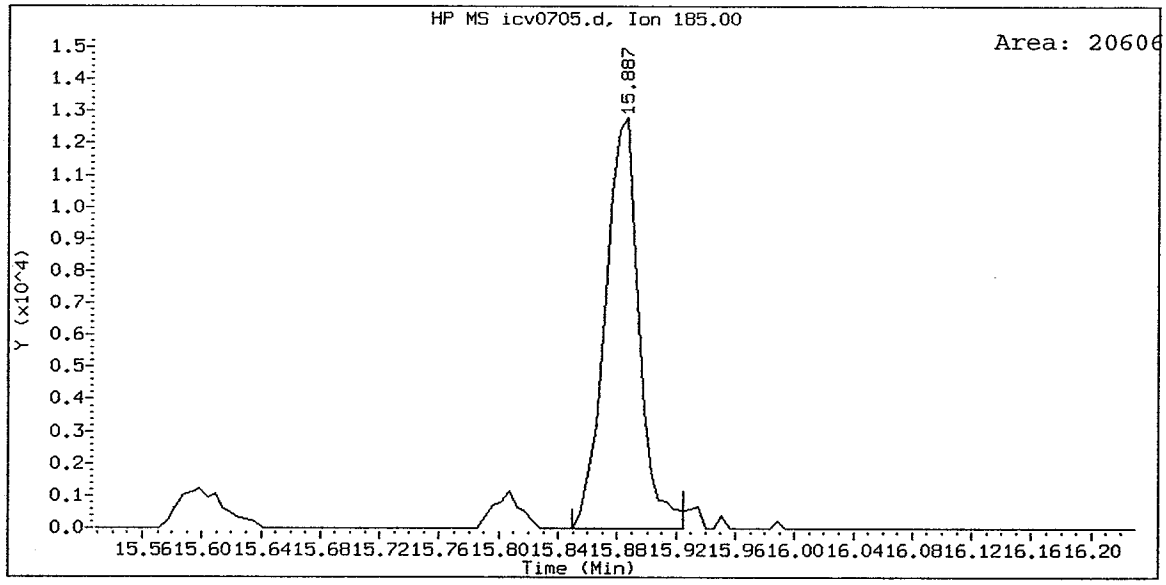
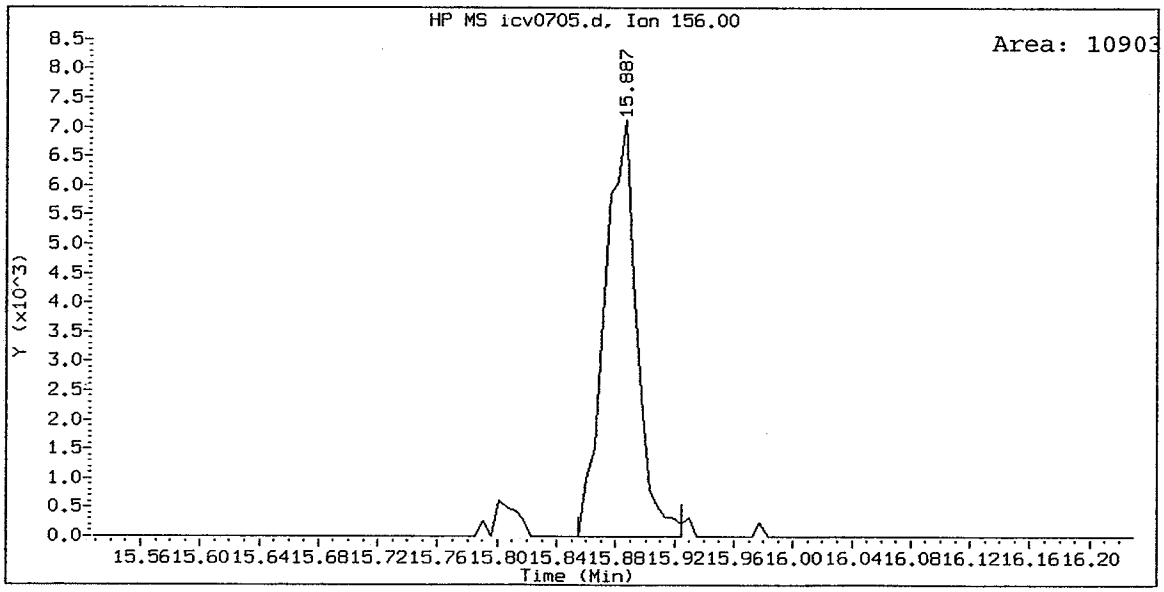
Benzidine Amount: 11.61







7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/07/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0954

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.228	2.203	0.100	1.1	20.0
Bis(2-Chloroethyl)ether	1.658	1.574	0.100	5.1	
2-Chlorophenol	1.533	1.536	0.100	-0.2	
1,3-Dichlorobenzene	1.667	1.576	0.100	5.4	
1,4-Dichlorobenzene	1.712	1.643	0.100	4.0	20.0
1,2-Dichlorobenzene	1.646	1.609	0.100	2.2	
Benzyl alcohol	1.062	0.967	0.100	8.9	
2,2'-oxybis(1-Chloropropane)	2.030	1.657	0.100	18.4	
2-Methylphenol	1.466	1.442	0.100	1.6	
Hexachloroethane	0.725	0.762	0.100	-5.1	
N-Nitroso-di-n-propylamine	1.403	1.387	0.050	1.1	
4-Methylphenol	1.512	1.666	0.100	-10.2	
Nitrobenzene	0.594	0.811	0.100	-36.5	
Isophorone	0.932	0.944	0.100	-1.3	
2-Nitrophenol	0.219	0.204	0.100	6.8	20.0
2,4-Dimethylphenol	0.456	0.458	0.100	-0.4	
Bis(2-Chloroethoxy)methane	0.519	0.494	0.100	4.8	
2,4-Dichlorophenol	0.333	0.339	0.100	-1.8	20.0
1,2,4-Trichlorobenzene	0.384	0.398	0.100	-3.6	
Naphthalene	1.216	1.199	0.100	1.4	
Benzoic acid	0.241	0.325	0.100	-34.8	
4-Chloroaniline	0.490	0.462	0.100	5.7	
Hexachlorobutadiene	0.241	0.266	0.100	-10.4	20.0
4-Chloro-3-methylphenol	0.376	0.411	0.100	-9.3	20.0
2-Methylnaphthalene	0.658	0.691	0.100	-5.0	
Hexachlorocyclopentadiene	0.267	0.348	0.050	-30.3	
2,4,6-Trichlorophenol	0.446	0.459	0.100	-2.9	20.0
2,4,5-Trichlorophenol	0.463	0.486	0.100	-5.0	
2-Chloronaphthalene	1.312	1.278	0.100	2.6	
2-Nitroaniline	0.535	0.533	0.100	0.4	
Acenaphthylene	2.028	1.896	0.100	6.5	
Dimethylphthalate	1.392	1.325	0.100	4.8	
2,6-Dinitrotoluene	0.317	0.292	0.100	7.9	
Acenaphthene	1.284	1.313	0.100	-2.2	20.0
3-Nitroaniline	0.339	0.319	0.100	5.9	
2,4-Dinitrophenol	0.061	0.120	0.050	-96.7	
Dibenzofuran	1.767	1.898	0.100	-7.4	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/07/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0954

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.253	0.050	-14.5	
2,4-Dinitrotoluene	0.403	0.388	0.100	3.7	
Fluorene	1.433	1.453	0.100	-1.4	
4-Chlorophenyl-phenylether	0.753	0.798	0.100	-6.0	
Diethylphthalate	1.345	1.356	0.100	-0.8	
4-Nitroaniline	0.298	0.270	0.100	9.4	
4,6-Dinitro-2-methylphenol	0.116	0.143	0.100	-23.3	
N-Nitrosodiphenylamine(1)	0.687	0.741	0.100	-7.9	
4-Bromophenyl-phenylether	0.281	0.290	0.100	-3.2	
Hexachlorobenzene	0.294	0.295	0.100	-0.3	
Pentachlorophenol	0.160	0.160	0.100	0.0	20.0
Phenanthrene	1.331	1.369	0.100	-2.8	
Anthracene	1.337	1.305	0.100	2.4	
Carbazole	1.076	1.016	0.100	5.6	
Di-n-butylphthalate	1.289	1.320	0.100	-2.4	
Fluoranthene	1.312	1.366	0.100	-4.1	20.0
Pyrene	1.684	1.599	0.100	5.0	
Butylbenzylphthalate	0.625	0.636	0.100	-1.8	
Benzo(a)anthracene	1.510	1.518	0.100	-0.5	
3,3'-Dichlorobenzidine	0.545	0.452	0.100	17.1	
Chrysene	1.501	1.411	0.100	6.0	
bis(2-Ethylhexyl)phthalate	0.505	0.546	0.100	-8.1	
Di-n-octylphthalate	0.955	0.921	0.100	3.6	20.0
Benzo(b)fluoranthene	1.313	1.587	0.100	-20.9	
Benzo(k)fluoranthene	1.358	1.779	0.100	-31.0	
Benzo(a)pyrene	1.264	1.378	0.100	-9.0	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.304	0.100	15.2	
Dibenzo(a,h)anthracene	1.510	1.365	0.100	9.6	
Benzo(g,h,i)perylene	1.610	1.418	0.100	11.9	
N-Nitrosodimethylamine	1.079	0.002	0.100	99.8	
Aniline	2.630	2.430	0.100	7.6	
Benzidine	0.579	0.302	0.100	47.8	
Pyridine	2.210	0.002	0.100	99.9	
1-methylnaphthalene	0.687	0.688	0.100	-0.1	
Azobenzene (1,2-DP-Hydrazine	1.957	2.243	0.100	-14.6	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/07/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0954

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.349	0.100	8.6	
Phenol-d5	1.788	1.914	0.100	-7.0	
2-Chlorophenol-d4	1.516	1.428	0.100	5.8	
1,2-Dichlorobenzene-d4	0.977	0.938	0.100	4.0	
Nitrobenzene-d5	0.541	0.575	0.100	-6.3	
2-Fluorobiphenyl	1.493	1.424	0.100	4.6	
2,4,6-Tribromophenol	0.192	0.183	0.100	4.7	
Terphenyl-d14	1.059	1.020	0.100	3.7	

<- Outside QC limits

FORM VII SV-3

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0807.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060807.b/SW846.m

Injection Date: 07-AUG-2006 09:54
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.34933	1.34933	0.010	8.56972	100	Averaged
$ 2 Phenol-d5	1.78819	1.91411	1.91411	0.010	-7.04208	100	Averaged
3 Phenol	2.22821	2.20286	2.20286	0.010	1.13749	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.42851	1.42851	0.010	5.78593	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.57418	1.57418	0.010	5.04992	100	Averaged
6 2-Chlorophenol	1.53316	1.53571	1.53571	0.010	-0.16641	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.57551	1.57551	0.010	5.46590	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.64273	1.64273	0.010	4.08036	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.93837	0.93837	0.010	3.99450	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.60879	1.60879	0.010	2.29112	100	Averaged
11 Benzyl alcohol	1.06159	0.96662	0.96662	0.010	8.94619	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	1.65673	1.65673	0.010	18.40599	100	Averaged
13 2-Methylphenol	1.46609	1.44254	1.44254	0.010	1.60652	100	Averaged
17 Hexachloroethane	0.72499	0.76257	0.76257	0.010	-5.18389	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.38728	1.38728	0.050	1.13310	100	Averaged
15 4-Methylphenol	1.51200	1.66616	1.66616	0.010	-10.19568	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.57514	0.57514	0.010	-6.22670	100	Averaged
19 Nitrobenzene	0.59443	0.81091	0.81091	0.010	-36.41863	100	Averaged
20 Isophorone	0.93231	0.94428	0.94428	0.010	-1.28384	100	Averaged
21 2-Nitrophenol	0.21868	0.20441	0.20441	0.010	6.52582	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.45757	0.45757	0.010	-0.31238	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.49459	0.49459	0.010	4.77518	100	Averaged
24 Benzoic acid	0.24076	0.32509	0.32509	0.010	-35.02712	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.33947	0.33947	0.010	-1.91705	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.39784	0.39784	0.010	-3.56228	100	Averaged
28 Naphthalene	1.21584	1.19924	1.19924	0.010	1.36543	100	Averaged
29 4-Chloroaniline	0.49036	0.46178	0.46178	0.010	5.82897	100	Averaged
30 Hexachlorobutadiene	0.24135	0.26567	0.26567	0.010	-10.07352	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.41079	0.41079	0.010	-9.16917	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.69091	0.69091	0.010	-5.06678	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.34817	0.34817	0.050	-30.40971	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.45941	0.45941	0.010	-3.13072	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.48655	0.48655	0.010	-5.09887	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.42384	1.42384	0.010	4.65361	100	Averaged
37 2-Chloronaphthalene	1.31189	1.27777	1.27777	0.010	2.60049	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0807.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060807.b/SW846.m

Injection Date: 07-AUG-2006 09:54
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.53527	0.53327	0.53327	0.010	0.37270	100	Averaged
39 Dimethylphthalate	1.39220	1.32534	1.32534	0.010	4.80194	100	Averaged
40 Acenaphthylene	2.02846	1.89572	1.89572	0.010	6.54381	100	Averaged
41 2,6-Dinitrotoluene	0.31738	0.29190	0.29190	0.010	8.02987	100	Averaged
43 3-Nitroaniline	0.33922	0.31901	0.31901	0.010	5.95667	100	Averaged
44 Acenaphthene	1.28428	1.31321	1.31321	0.010	-2.25237	20.00000	Averaged
45 2,4-Dinitrophenol	0.06160	0.12035	0.12035	0.050	-95.37944	100	Averaged
46 Dibenzofuran	1.76701	1.89754	1.89754	0.010	-7.38703	100	Averaged
47 4-Nitrophenol	0.22074	0.25300	0.25300	0.050	-14.61421	100	Averaged
48 2,4-Dinitrotoluene	0.40267	0.38793	0.38793	0.010	3.66127	100	Averaged
50 Diethylphthalate	1.34468	1.35651	1.35651	0.010	-0.87971	100	Averaged
49 Fluorene	1.43339	1.45301	1.45301	0.010	-1.36898	100	Averaged
51 4-Chlorophenyl-phenylether	0.75298	0.79833	0.79833	0.010	-6.02278	100	Averaged
52 4-Nitroaniline	0.29776	0.26992	0.26992	0.010	9.35180	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.11636	0.14271	0.14271	0.010	-22.64832	100	Averaged
54 N-Nitrosodiphenylamine	0.68692	0.74100	0.74100	0.010	-7.87324	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.19232	0.18268	0.18268	0.010	5.00842	100	Averaged
56 4-Bromophenyl-phenylether	0.28074	0.29021	0.29021	0.010	-3.37462	100	Averaged
57 Hexachlorobenzene	0.29422	0.29477	0.29477	0.010	-0.18760	100	Averaged
58 Pentachlorophenol	0.16025	0.15963	0.15963	0.010	0.38651	20.00000	Averaged
60 Phenanthrene	1.33142	1.36880	1.36880	0.010	-2.80713	100	Averaged
61 Anthracene	1.33663	1.30531	1.30531	0.010	2.34372	100	Averaged
62 Carbazole	1.07599	1.01564	1.01564	0.010	5.60846	100	Averaged
63 Di-n-butylphthalate	1.28884	1.32021	1.32021	0.010	-2.43368	100	Averaged
64 Fluoranthene	1.31268	1.36652	1.36652	0.010	-4.10138	20.00000	Averaged
65 Pyrene	1.68468	1.59911	1.59911	0.010	5.07933	100	Averaged
$ 66 Terphenyl-d14	1.05913	1.02022	1.02022	0.010	3.67361	100	Averaged
67 Butylbenzylphthalate	0.62512	0.63627	0.63627	0.010	-1.78350	100	Averaged
68 Benzo(a)anthracene	1.51027	1.51824	1.51824	0.010	-0.52766	100	Averaged
70 3,3'-Dichlorobenzidine	0.54465	0.45169	0.45169	0.010	17.06848	100	Averaged
71 Chrysene	1.50081	1.41104	1.41104	0.010	5.98139	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.50498	0.54569	0.54569	0.010	-8.06059	100	Averaged
73 Di-n-octylphthalate	0.95527	0.92090	0.92090	0.010	3.59773	20.00000	Averaged
74 Benzo(b)fluoranthene	1.31305	1.58668	1.58668	0.010	-20.83970	100	Averaged
75 Benzo(k)fluoranthene	1.35777	1.77892	1.77892	0.010	-31.01733	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0807.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060807.b/SW846.m

Injection Date: 07-AUG-2006 09:54
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 Benzo(a)pyrene	1.26379	1.37833	1.37833	0.010	-9.06351	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.53747	1.30362	1.30362	0.010	15.21006	100	Averaged
79 Dibenzo(a,h)anthracene	1.51025	1.36463	1.36463	0.010	9.64200	100	Averaged
80 Benzo(g,h,i)perylene	1.60993	1.41798	1.41798	0.010	11.92282	100	Averaged
90 N-Nitrosodimethylamine	1.07898	0.00155	0.00155	0.010	100	100	Averaged <-
103 Pyridine	2.21036	0.00244	0.00244	0.010	100	100	Averaged <-
91 Aniline	2.63074	2.43040	2.43040	0.010	7.61556	100	Averaged
105 1-methylnaphthalene	0.68742	0.68812	0.68812	0.010	-0.10179	100	Averaged
93 Benzidine	0.57928	0.30247	0.30247	0.010	47.78594	100	Averaged
98 Retene	0.72951	0.68569	0.68569	0.010	6.00712	100	Averaged
111 Azobenzene (1,2-DP-Hydrazin	1.95685	2.24319	2.24319	0.010	-14.63218	100	Averaged
144 alpha-Terpineol	0.36586	0.35661	0.35661	0.010	2.52839	100	Averaged
143 1,4-Dioxane	0.75175	0.00109	0.00109	0.010	100	100	Averaged <-
$ 137 d8-1,4-Dioxane	0.72004	0.00071	0.00071	0.010	100	100	Averaged <-
133 Butylatedhydroxytoluene	1.13212	1.22128	1.22128	0.010	-7.87548	100	Averaged
115 Tributyl Phosphate	1.00449	1.01193	1.01193	0.010	-0.74078	100	Averaged
116 Dibutyl Phenyl Phosphate	0.78147	0.83954	0.83954	0.010	-7.43022	100	Averaged
117 Butyl Diphenyl Phosphate	0.28782	0.27177	0.27177	0.010	5.57620	100	Averaged
118 Triphenyl Phosphate	0.23863	0.20706	0.20706	0.010	13.23202	100	Averaged

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Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/cc0807.d
Lab Smp Id: ABN 25
Inj Date : 07-AUG-2006 09:54
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 10-Aug-2006 10:42 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 1
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 8/10/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	3.192	3.192	(0.598)	538039	25.0000	22.86 (M)
$	2 Phenol-d5	99	5.115	5.115	(0.958)	763243	25.0000	26.76 (M)
	3 Phenol	94	5.131	5.131	(0.961)	878381	25.0000	24.72 (M)
$	5 2-Chlorophenol-d4	132	5.056	5.056	(0.947)	569612	25.0000	23.55 (M)
	4 Bis(2-Chloroethyl)ether	93	5.089	5.089	(0.953)	627696	25.0000	23.74
	6 2-Chlorophenol	128	5.083	5.083	(0.952)	612358	25.0000	25.04
	7 1,3-Dichlorobenzene	146	5.260	5.260	(0.985)	628226	25.0000	23.63
*	8 1,4-Dichlorobenzene-d4	152	5.340	5.340	(1.000)	318996	20.0000	
	9 1,4-Dichlorobenzene	146	5.366	5.366	(1.005)	655030	25.0000	23.98
$	10 1,2-Dichlorobenzene-d4	152	5.639	5.639	(1.056)	374169	25.0000	24.00
	12 1,2-Dichlorobenzene	146	5.660	5.660	(1.060)	641498	25.0000	24.43
	11 Benzyl alcohol	108	5.740	5.740	(1.075)	385434	25.0000	22.76 (M)
	14 2,2'-oxybis(1-Chloropropane)	45	5.997	5.997	(1.123)	660613	25.0000	20.40
	13 2-Methylphenol	108	6.066	6.066	(1.136)	575204	25.0000	24.60
	17 Hexachloroethane	117	6.146	6.146	(1.151)	304072	25.0000	26.30
	16 N-Nitroso-di-n-propylamine	70	6.226	6.226	(1.166)	553171	25.0000	24.72
	15 4-Methylphenol	108	6.317	6.317	(1.183)	664373	25.0000	27.55
$	18 Nitrobenzene-d5	82	6.317	6.317	(0.854)	800580	25.0000	26.56
	19 Nitrobenzene	77	6.344	6.344	(0.858)	1128779	25.0000	34.10
	20 Isophorone	82	6.755	6.755	(0.913)	1314421	25.0000	25.32
	21 2-Nitrophenol	139	6.867	6.867	(0.928)	284532	25.0000	23.37
	22 2,4-Dimethylphenol	107	7.124	7.124	(0.963)	636934	25.0000	25.08
	23 Bis(2-Chloroethoxy)methane	93	7.231	7.231	(0.978)	688466	25.0000	23.81
	24 Benzoic acid	105	7.476	7.476	(1.011)	452514	25.0000	33.76 (M)
	25 2,4-Dichlorophenol	162	7.295	7.295	(0.986)	472532	25.0000	25.48
	26 1,2,4-Trichlorobenzene	180	7.364	7.364	(0.996)	553791	25.0000	25.89
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	1113586	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	7.423	7.423	(1.004)	1669321	25.0000	24.66
	29 4-Chloroaniline	127	7.647	7.647	(1.034)	642786	25.0000	23.54
	30 Hexachlorobutadiene	225	7.792	7.792	(1.053)	369803	25.0000	27.52
	31 4-Chloro-3-methylphenol	107	8.556	8.556	(1.157)	571818	25.0000	27.29
	32 2-Methylnaphthalene	141	8.540	8.540	(1.155)	961741	25.0000	26.27
	33 Hexachlorocyclopentadiene	237	8.930	8.930	(0.877)	284151	25.0000	32.60
	34 2,4,6-Trichlorophenol	196	9.101	9.101	(0.894)	374938	25.0000	25.78
	35 2,4,5-Trichlorophenol	196	9.159	9.159	(0.900)	397092	25.0000	26.27
$	36 2-Fluorobiphenyl	172	9.213	9.213	(0.905)	1162049	25.0000	23.84
	37 2-Chloronaphthalene	162	9.282	9.282	(0.912)	1042835	25.0000	24.35
	38 2-Nitroaniline	65	9.576	9.576	(0.941)	435221	25.0000	24.91
	39 Dimethylphthalate	163	9.998	9.998	(0.982)	1081660	25.0000	23.80
	40 Acenaphthylene	152	9.923	9.923	(0.975)	1547161	25.0000	23.36
	41 2,6-Dinitrotoluene	165	10.057	10.057	(0.988)	238227	25.0000	22.99
*	42 Acenaphthene-d10	164	10.180	10.180	(1.000)	652908	20.0000	
	43 3-Nitroaniline	138	10.244	10.244	(1.006)	260356	25.0000	23.51
	44 Acenaphthene	153	10.222	10.222	(1.004)	1071757	25.0000	25.56
	45 2,4-Dinitrophenol	184	10.399	10.399	(1.022)	98225	25.0000	48.84
	46 Dibenzofuran	168	10.484	10.484	(1.030)	1548646	25.0000	26.85
	47 4-Nitrophenol	109	10.692	10.692	(1.050)	206486	25.0000	28.65
	48 2,4-Dinitrotoluene	165	10.650	10.650	(1.046)	316601	25.0000	24.08
	50 Diethylphthalate	149	11.141	11.141	(1.094)	1107095	25.0000	25.22
	49 Fluorene	166	11.018	11.018	(1.082)	1185852	25.0000	25.34
	51 4-Chlorophenyl-phenylether	204	11.109	11.109	(1.091)	651545	25.0000	26.51
	52 4-Nitroaniline	138	11.211	11.211	(1.101)	220288	25.0000	22.66 (M)
	53 4,6-Dinitro-2-methylphenol	198	11.275	11.275	(0.905)	180629	25.0000	30.66
	54 N-Nitrosodiphenylamine	169	11.334	11.334	(0.910)	937885	25.0000	26.97
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	149095	25.0000	23.75
	56 4-Bromophenyl-phenylether	248	11.852	11.852	(0.952)	367320	25.0000	25.84
	57 Hexachlorobenzene	284	12.007	12.007	(0.964)	373095	25.0000	25.05
	58 Pentachlorophenol	266	12.349	12.349	(0.991)	202040	25.0000	24.90
*	59 Phenanthrene-d10	188	12.455	12.455	(1.000)	1012561	20.0000	
	60 Phenanthrene	178	12.487	12.487	(1.003)	1732487	25.0000	25.70
	61 Anthracene	178	12.557	12.557	(1.008)	1652127	25.0000	24.41
	62 Carbazole	167	12.893	12.893	(1.035)	1285498	25.0000	23.60
	63 Di-n-butylphthalate	149	13.727	13.727	(1.102)	1670989	25.0000	25.61
	64 Fluoranthene	202	14.352	14.352	(1.152)	1729603	25.0000	26.03
	65 Pyrene	202	14.672	14.672	(0.883)	1896547	25.0000	23.73
$	66 Terphenyl-d14	244	15.094	15.094	(0.908)	1209986	25.0000	24.08
	67 Butylbenzylphthalate	149	16.045	16.045	(0.965)	754611	25.0000	25.45
	68 Benzo(a)anthracene	228	16.601	16.601	(0.999)	1800634	25.0000	25.13
*	69 Chrysene-d12	240	16.622	16.622	(1.000)	948800	20.0000	
	70 3,3'-Dichlorobenzidine	252	16.697	16.697	(1.004)	535700	25.0000	20.73
	71 Chrysene	228	16.660	16.660	(1.002)	1673490	25.0000	23.50
	72 bis(2-Ethylhexyl)phthalate	149	17.092	17.092	(0.949)	942118	25.0000	27.02
*	134 Di-n-octylphthalate-d4	153	18.011	18.011	(1.000)	1381183	20.0000	
	73 Di-n-octylphthalate	149	18.017	18.017	(1.000)	1589918	25.0000	24.10

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	18.203	18.203	(0.974)	1507760	25.0000	30.21
75 Benzo(k)fluoranthene	252	18.236	18.236	(0.975)	1690433	25.0000	32.75(M)
76 Benzo(a)pyrene	252	18.615	18.615	(0.996)	1309776	25.0000	27.27
* 77 Perylene-d12	264	18.695	18.695	(1.000)	760208	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	20.009	20.009	(1.070)	1238779	25.0000	21.20
79 Dibenzo(a,h)anthracene	278	20.057	20.057	(1.073)	1296756	25.0000	22.59
80 Benzo(g,h,i)perylene	276	20.292	20.292	(1.085)	1347452	25.0000	22.02
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
91 Aniline	93	4.918	4.918	(0.921)	969109	25.0000	23.10(H)
105 1-methylnaphthalene	141	8.694	8.694	(1.176)	957847	25.0000	25.03
93 Benzidine	184	14.694	14.694	(0.884)	358724	25.0000	13.05
98 Retene	219	15.297	15.297	(0.920)	813228	25.0000	23.50
111 Azobenzene (1,2-DP-Hydrazine)	77	11.344	11.344	(1.114)	1830742	25.0000	28.66
144 alpha-Terpineol	59	7.546	7.546	(1.020)	496398	25.0000	24.37
143 1,4-Dioxane	88	Compound Not Detected.					
$ 137 d8-1,4-Dioxane	96	Compound Not Detected.					
133 Butylatedhydroxytoluene	205	10.479	10.479	(1.029)	996727	25.0000	26.97
115 Tributyl Phosphate	99	11.569	11.569	(0.929)	1280806	25.0000	25.19
116 Dibutyl Phenyl Phosphate	175	13.193	13.193	(1.059)	1062604	25.0000	26.86
117 Butyl Diphenyl Phosphate	94	14.790	14.790	(0.890)	322317	25.0000	23.61
118 Triphenyl Phosphate	326	16.323	16.323	(0.982)	245569	25.0000	21.69

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0807.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info:

Calibration Date: 07-AUG-2006
Calibration Time: 09:54

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	318996	0.00
27 Naphthalene-d8	1113586	556793	2227172	1113586	0.00
42 Acenaphthene-d10	652908	326454	1305816	652908	0.00
59 Phenanthrene-d10	1012561	506280	2025122	1012561	0.00
69 Chrysene-d12	948800	474400	1897600	948800	0.00
134 Di-n-octylphthala	1381183	690592	2762366	1381183	0.00
77 Perylene-d12	760208	380104	1520416	760208	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.34	4.84	5.84	5.34	0.00
27 Naphthalene-d8	7.40	6.90	7.90	7.40	0.00
42 Acenaphthene-d10	10.18	9.68	10.68	10.18	0.00
59 Phenanthrene-d10	12.46	11.96	12.96	12.46	0.00
69 Chrysene-d12	16.62	16.12	17.12	16.62	0.00
134 Di-n-octylphthala	18.01	17.51	18.51	18.01	0.00
77 Perylene-d12	18.69	18.19	19.19	18.69	0.00

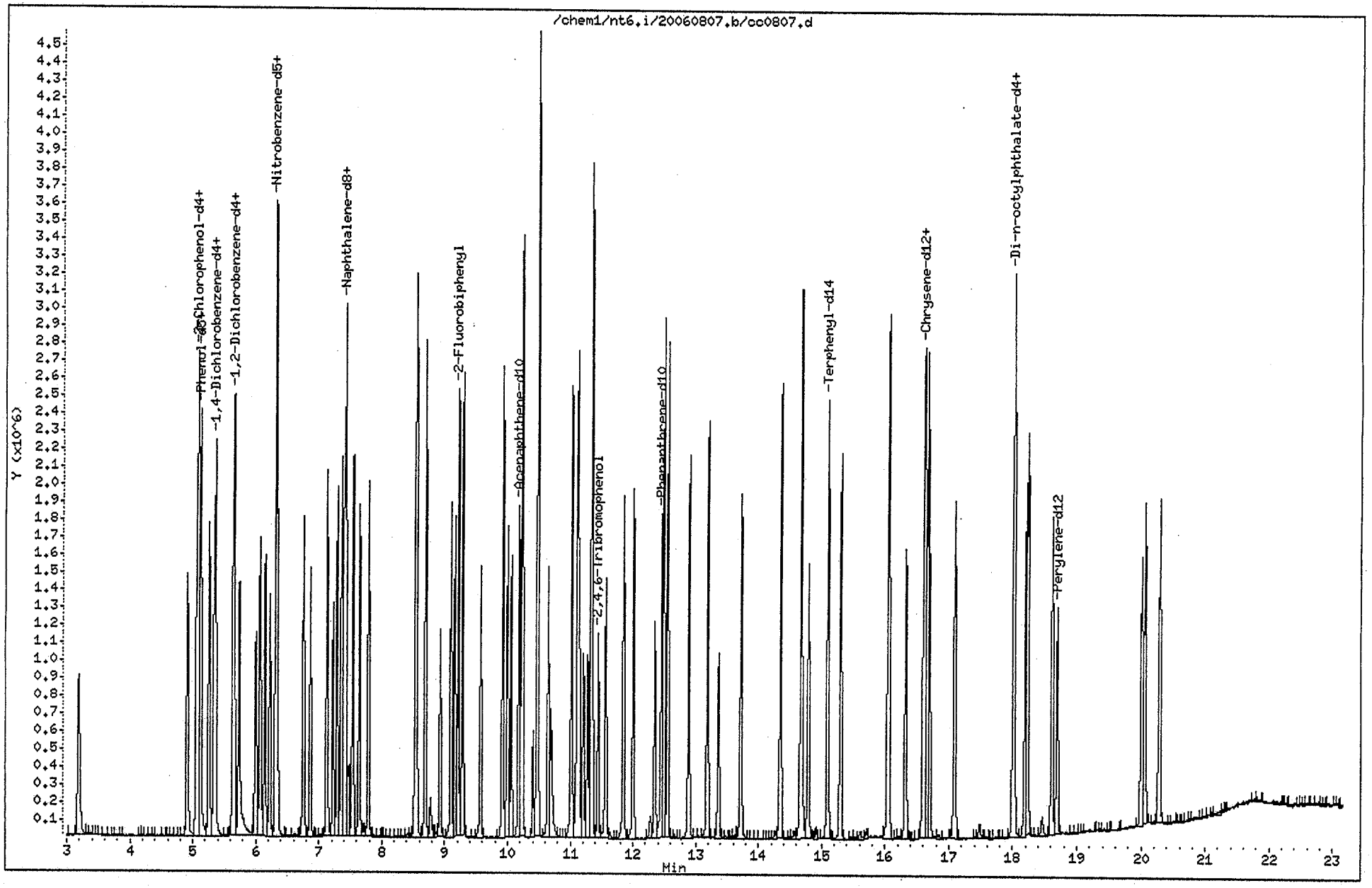
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060807.b/cc0807.d
Date : 07-AUG-2006 09:54
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

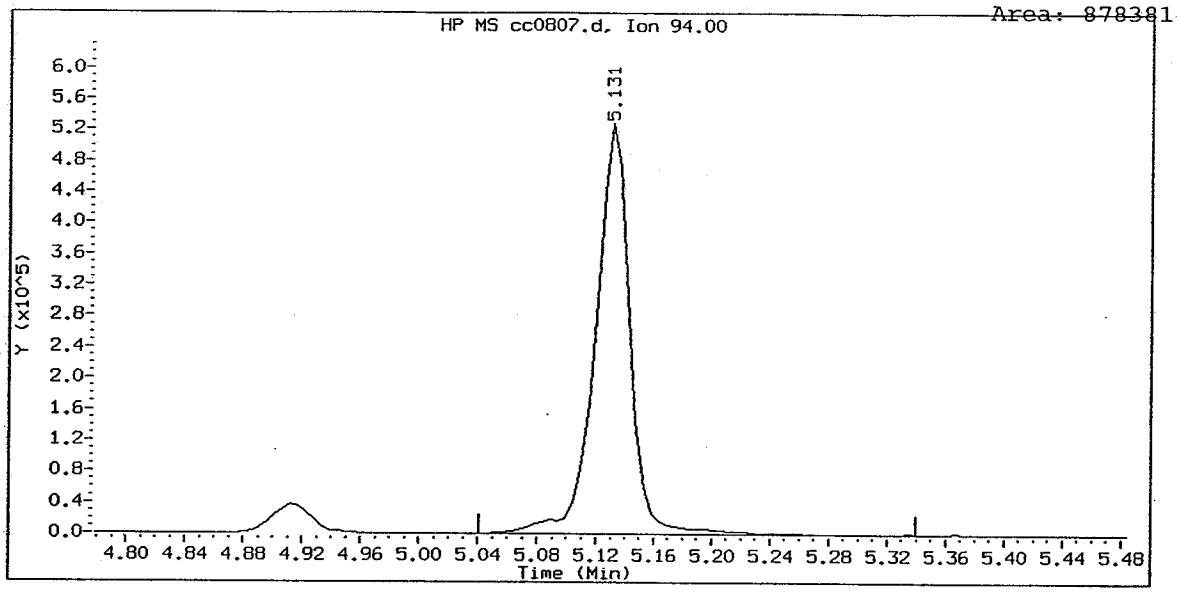
Instrument: nt6.i

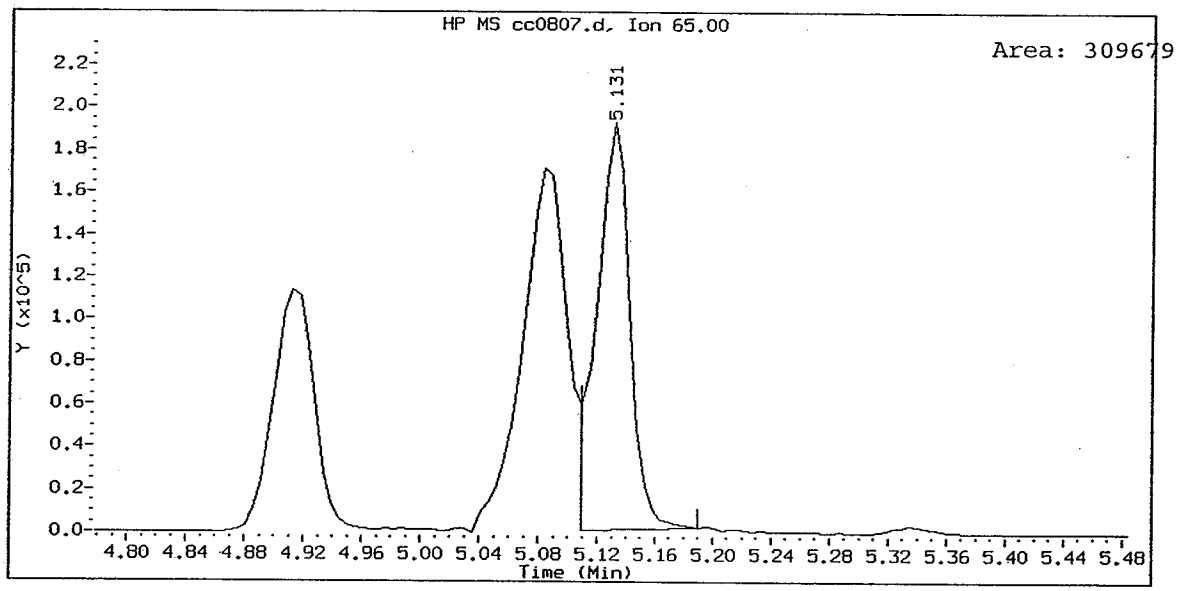
Operator: LJR
Column diameter: 0.32

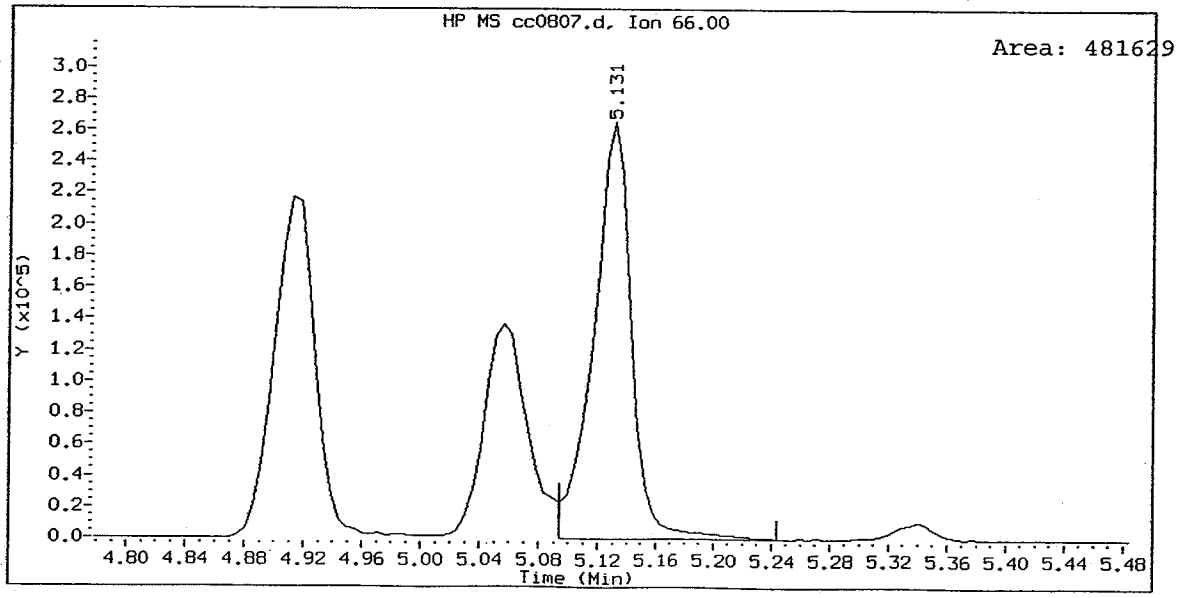


0982

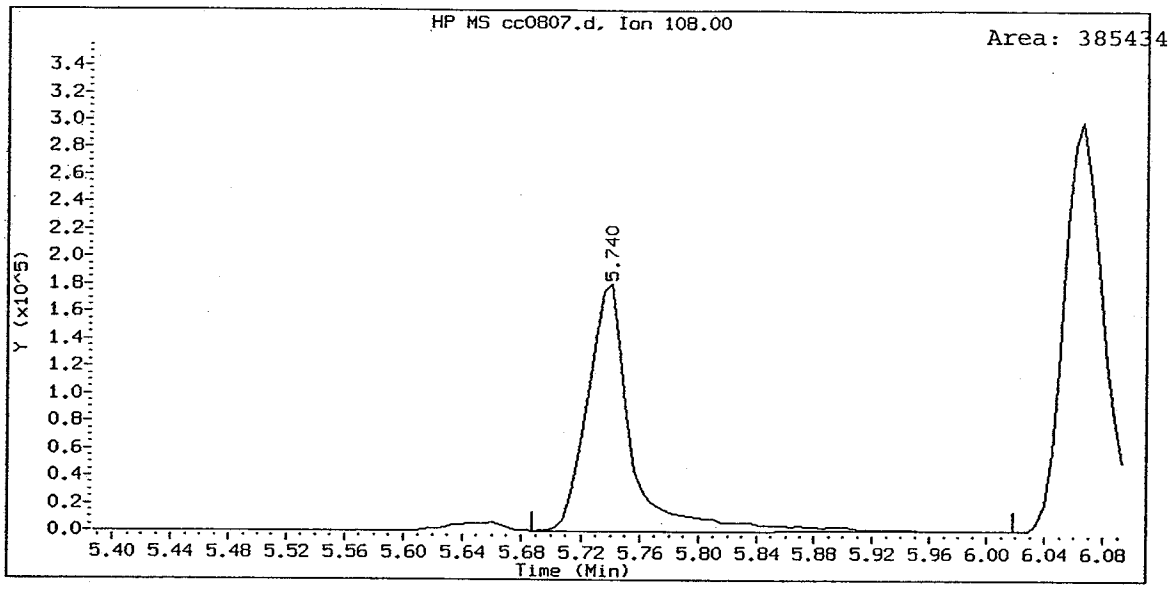
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Phenol Amount: 24.72

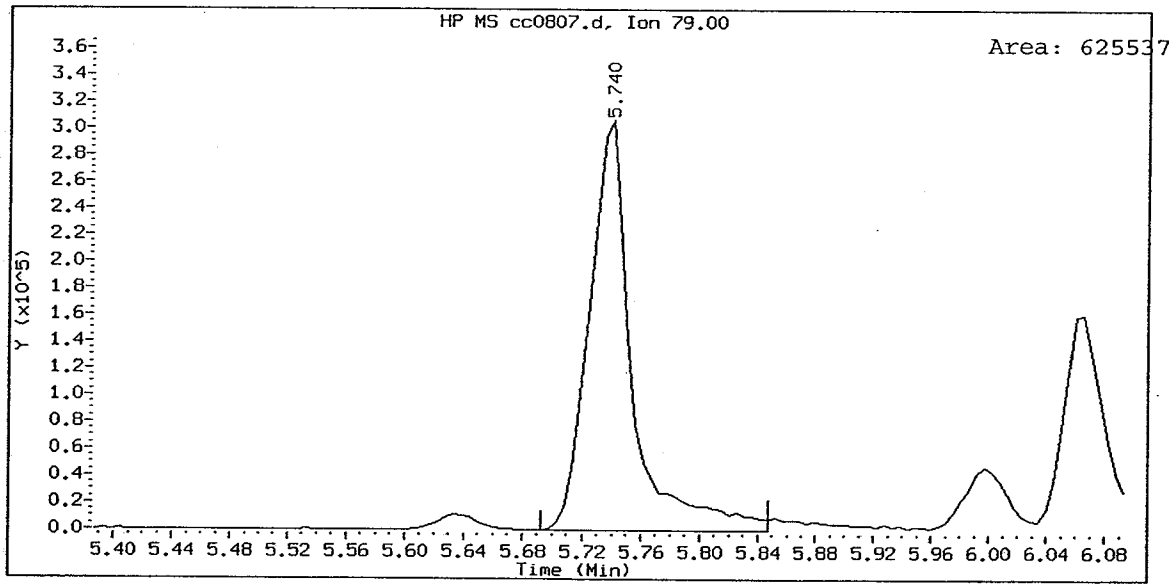


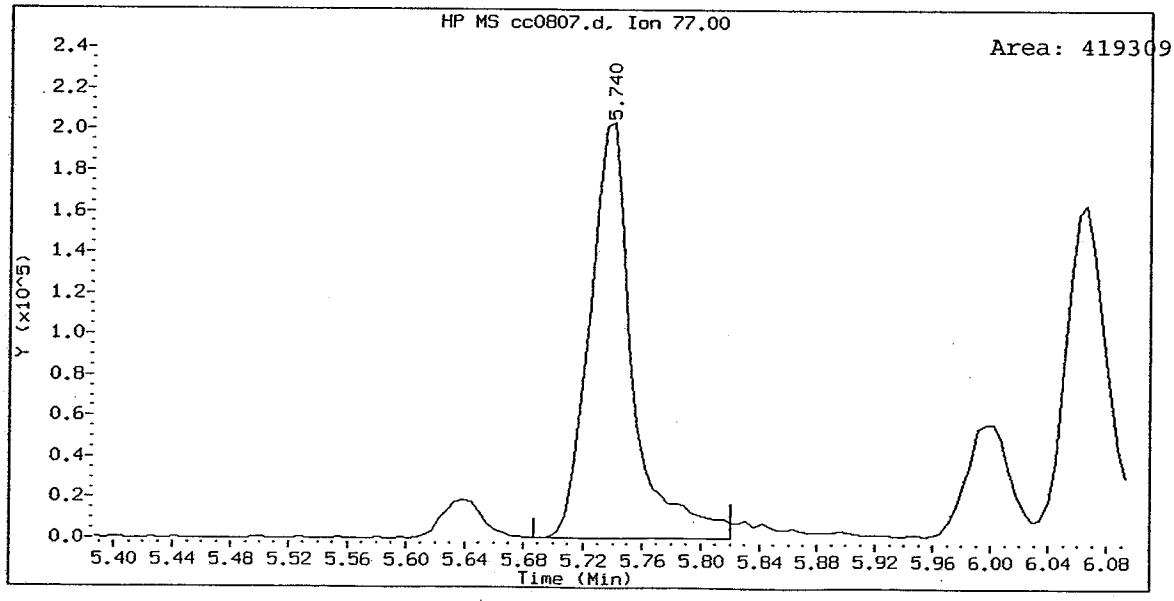




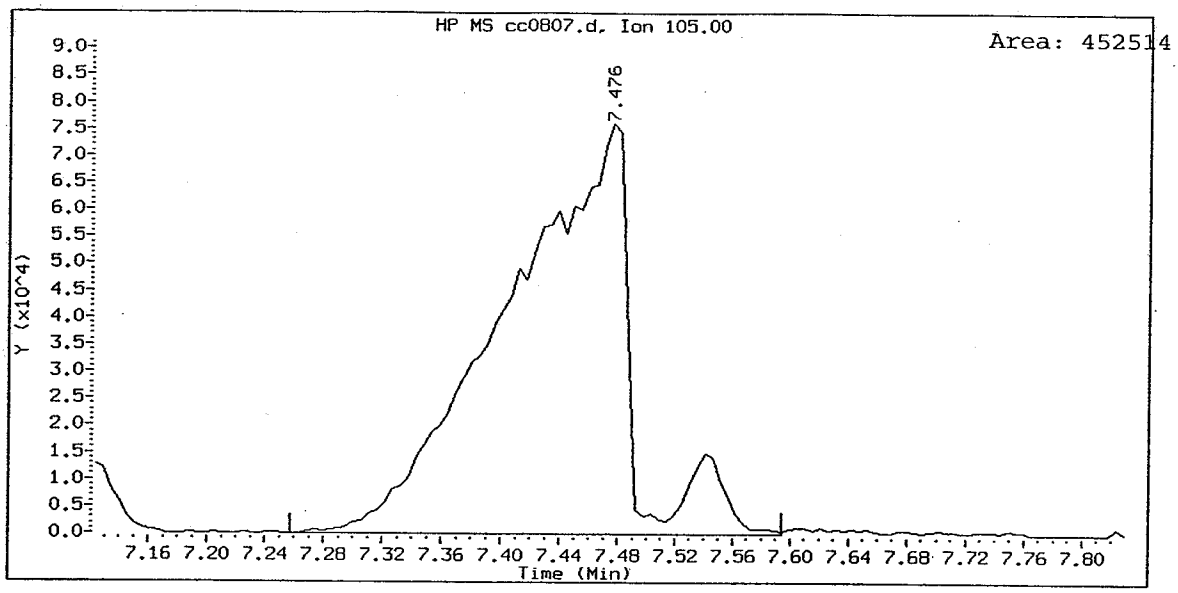
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzyl alcohol Amount: 22.76

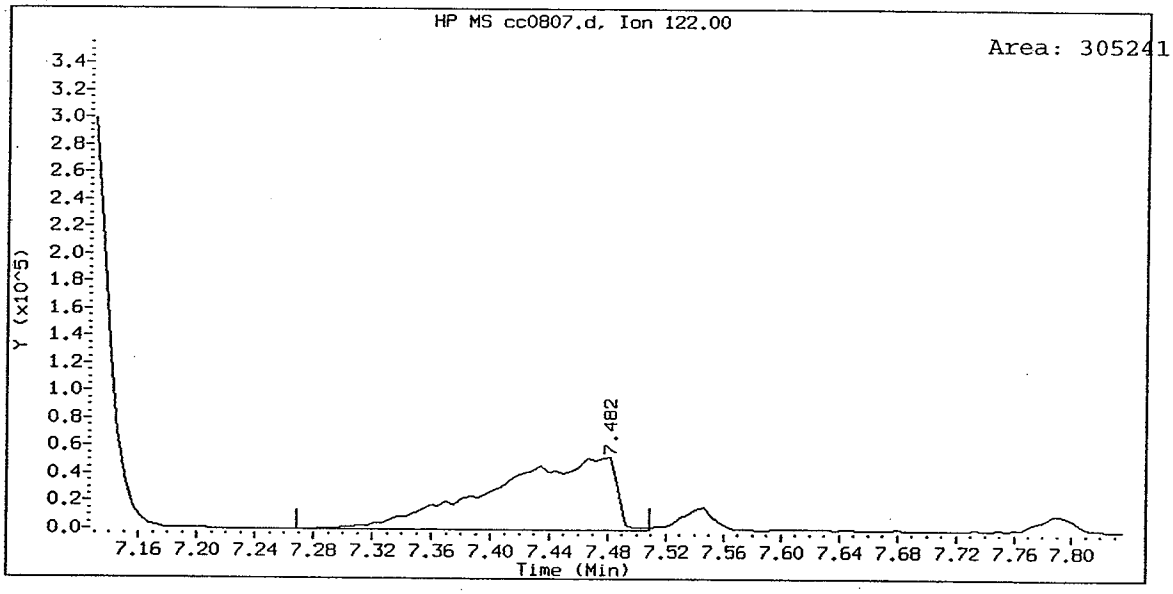


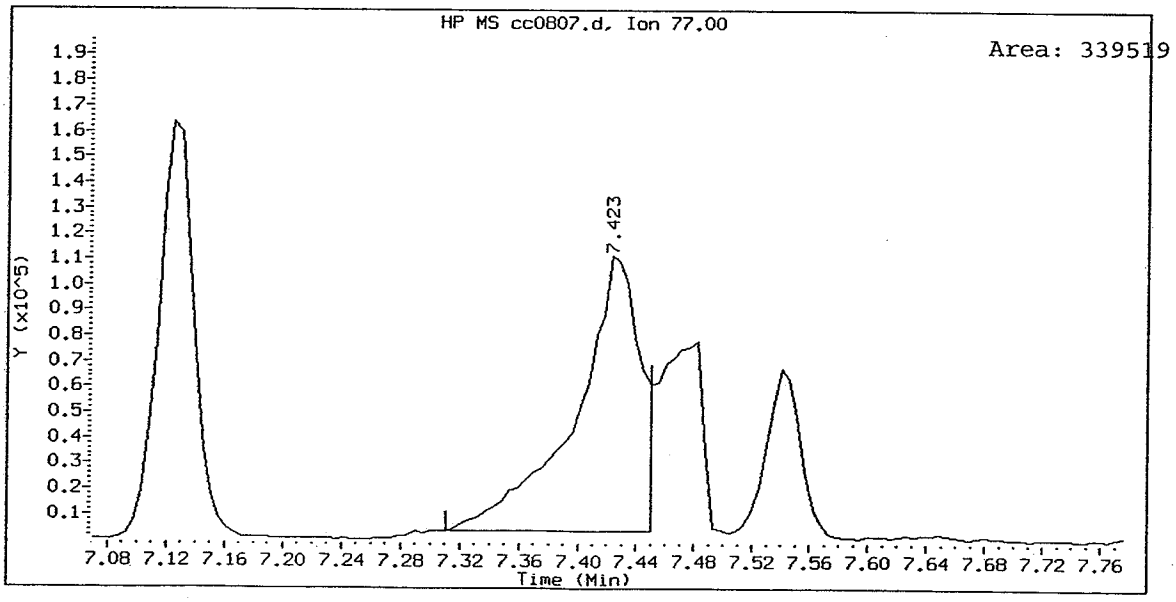




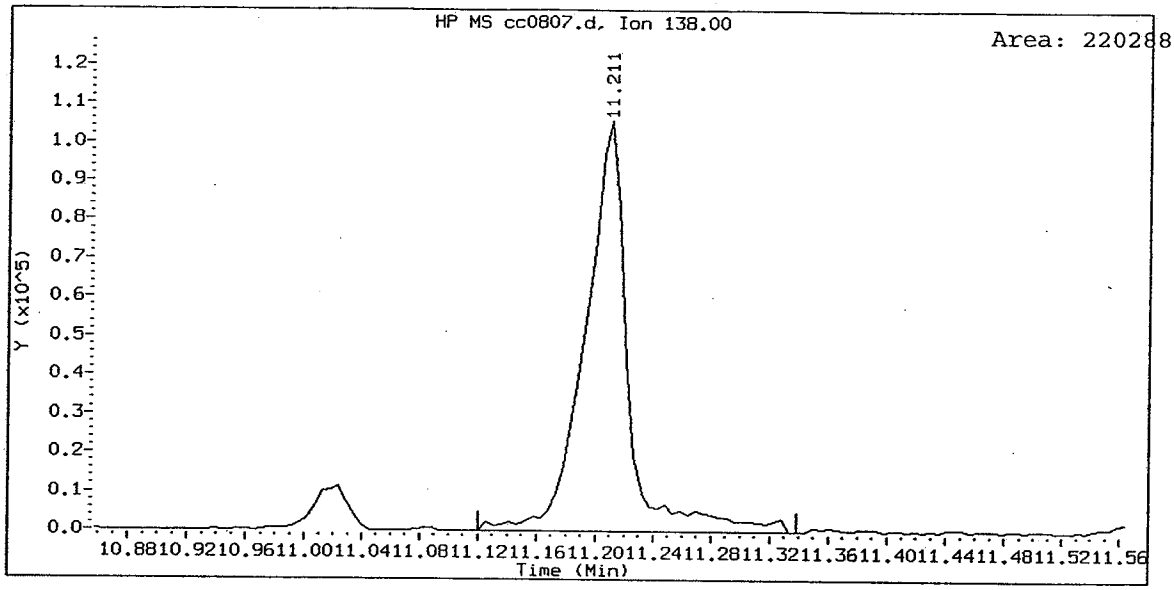
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzoic acid Amount: 33.76

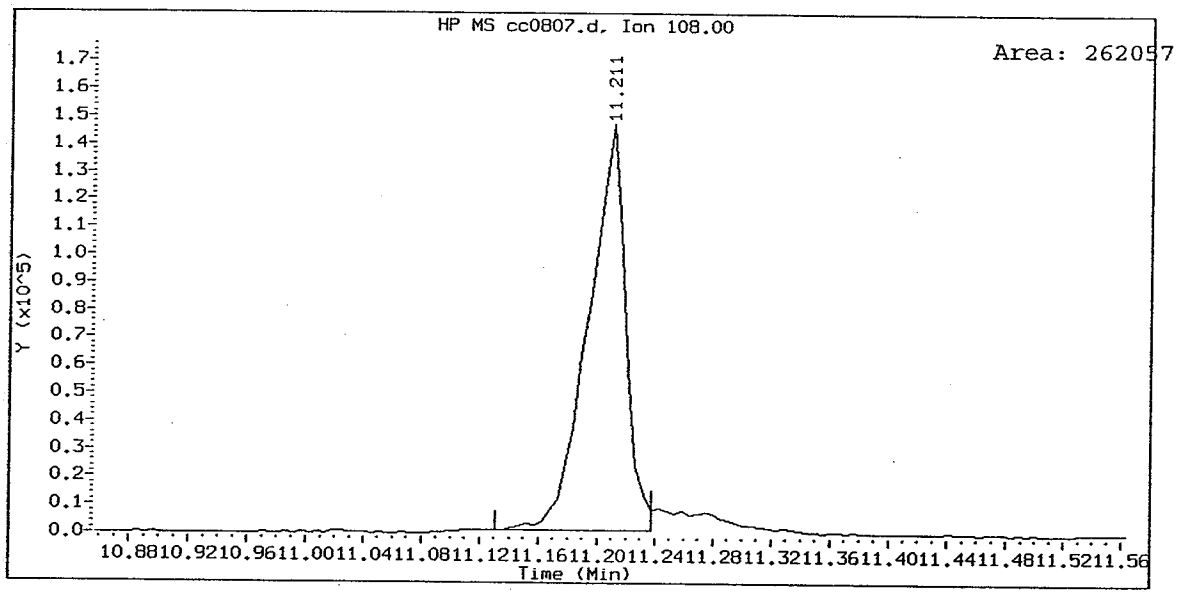


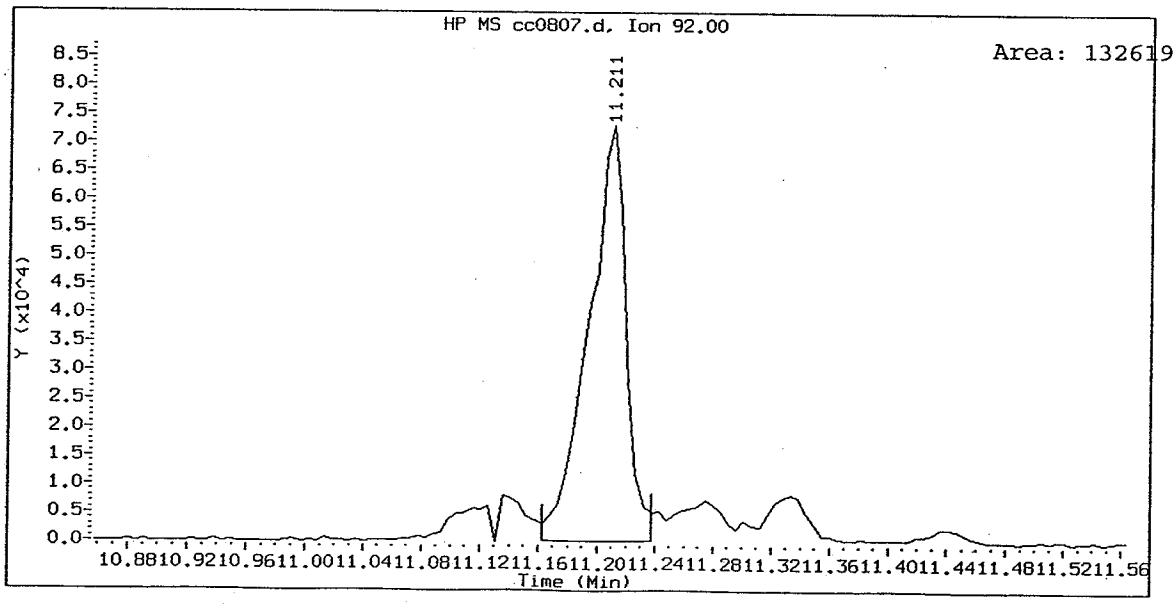




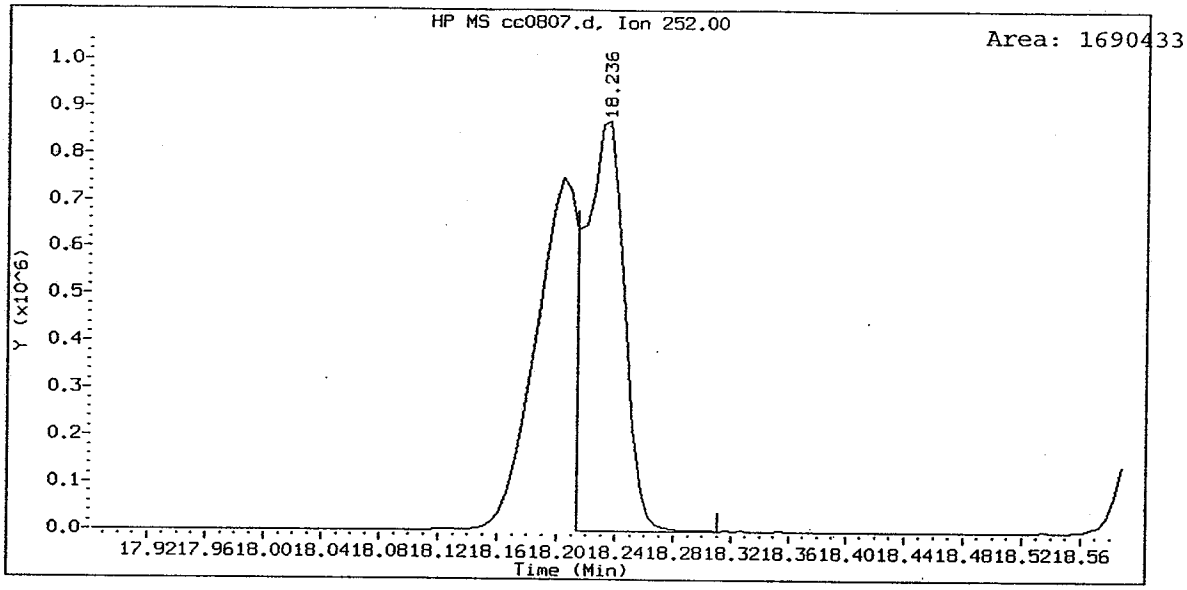
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
4-Nitroaniline Amount: 22.66

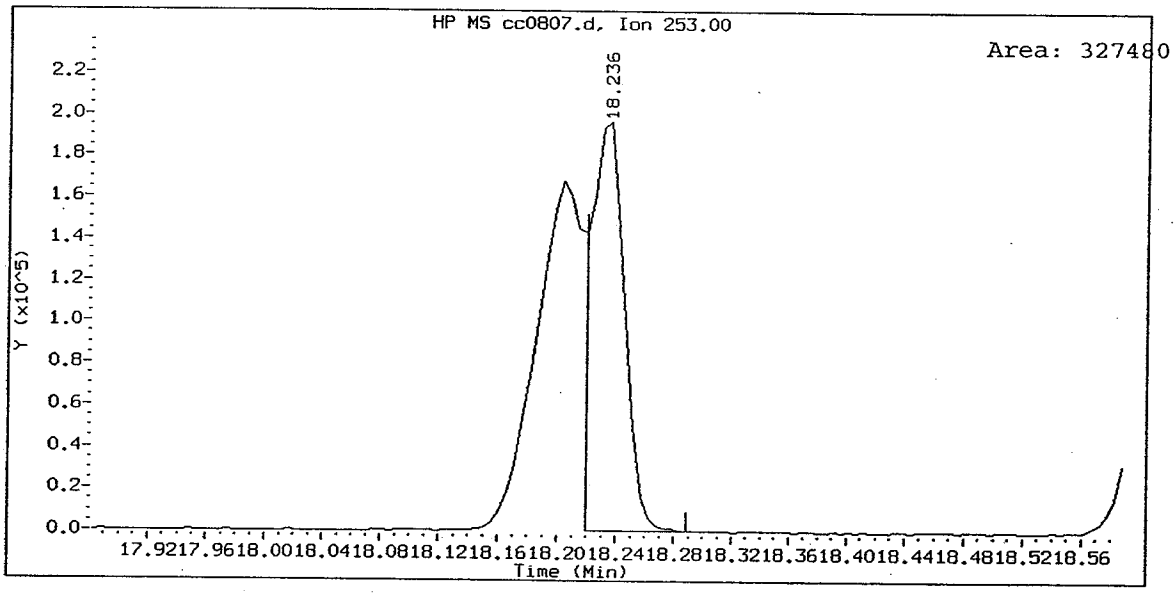


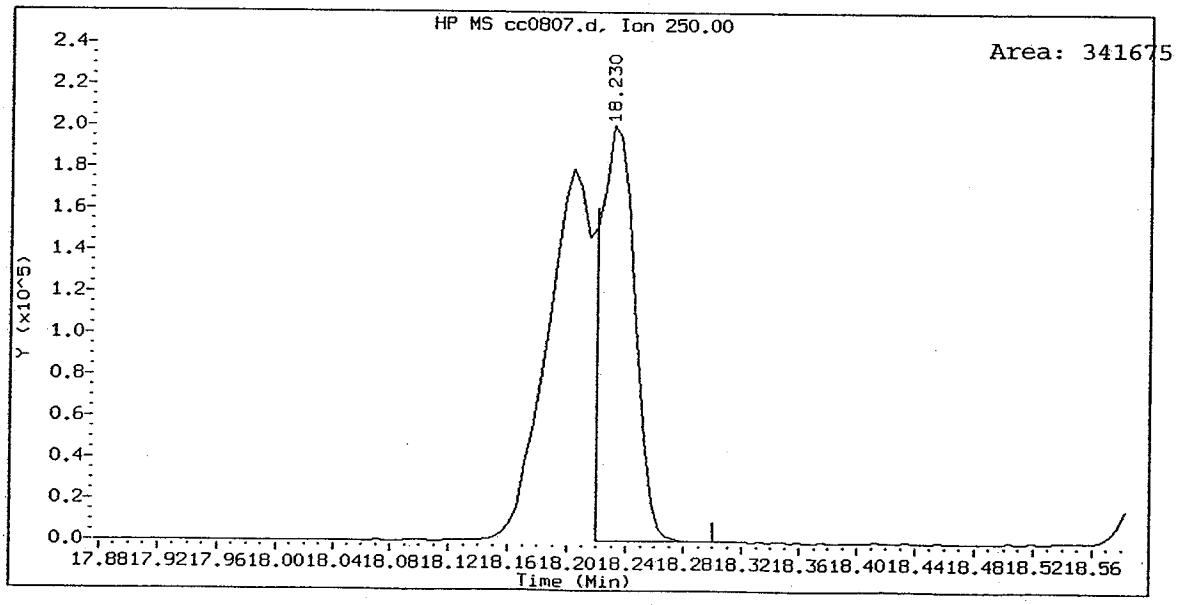




ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzo(k)fluoranthene Amount: 32.75







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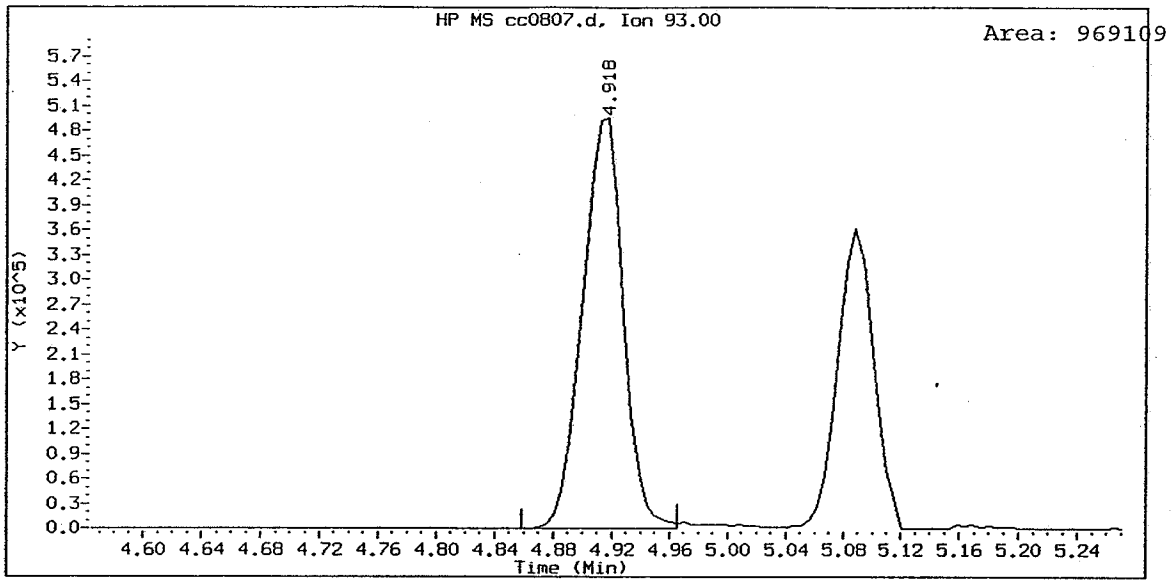
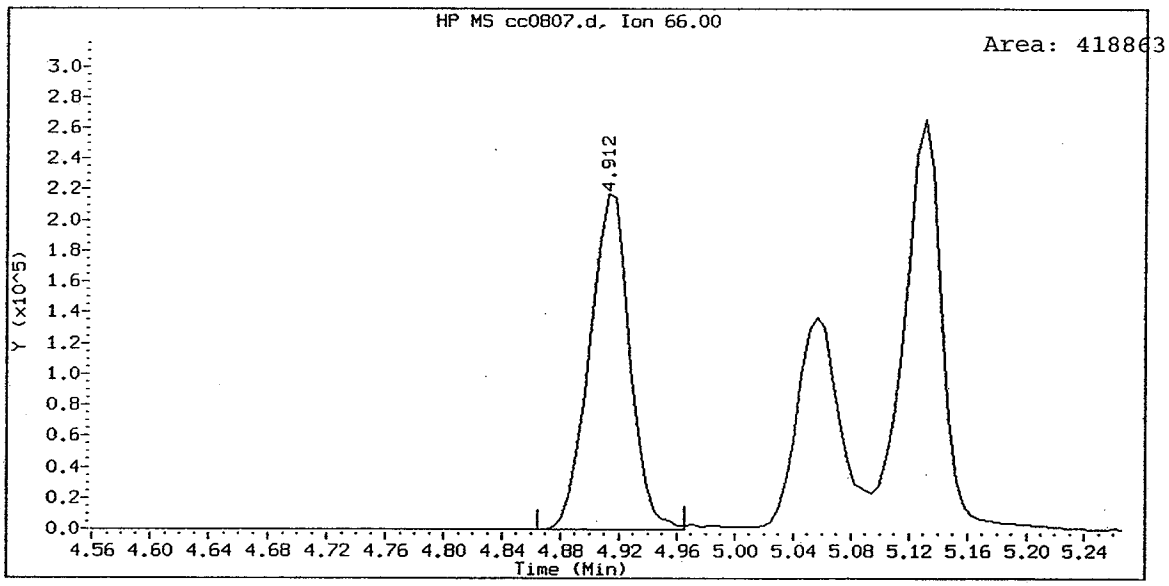
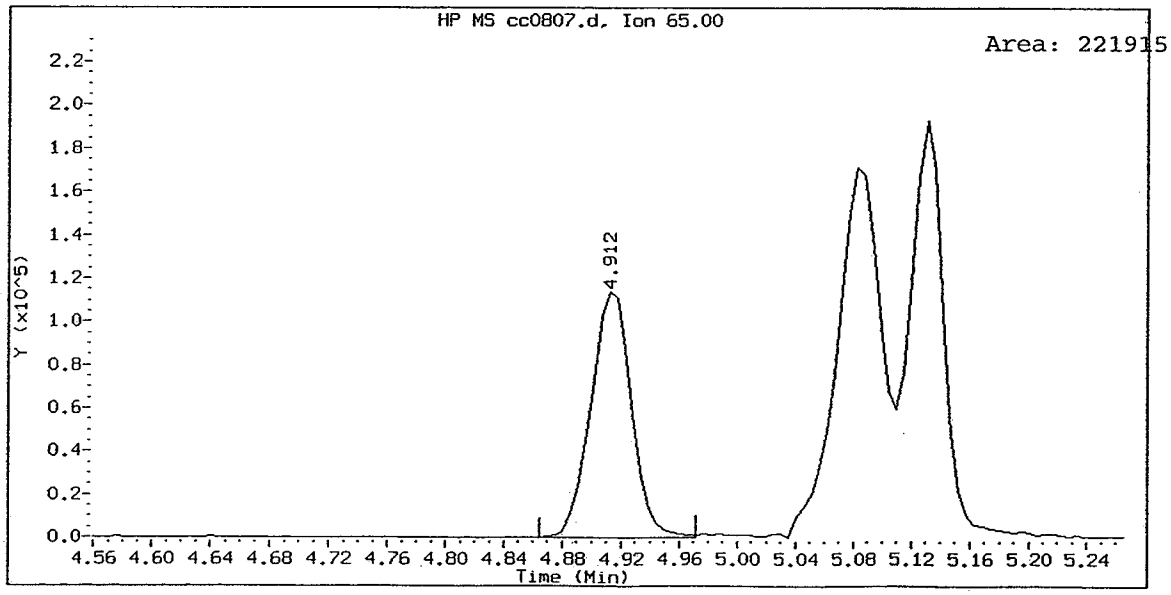
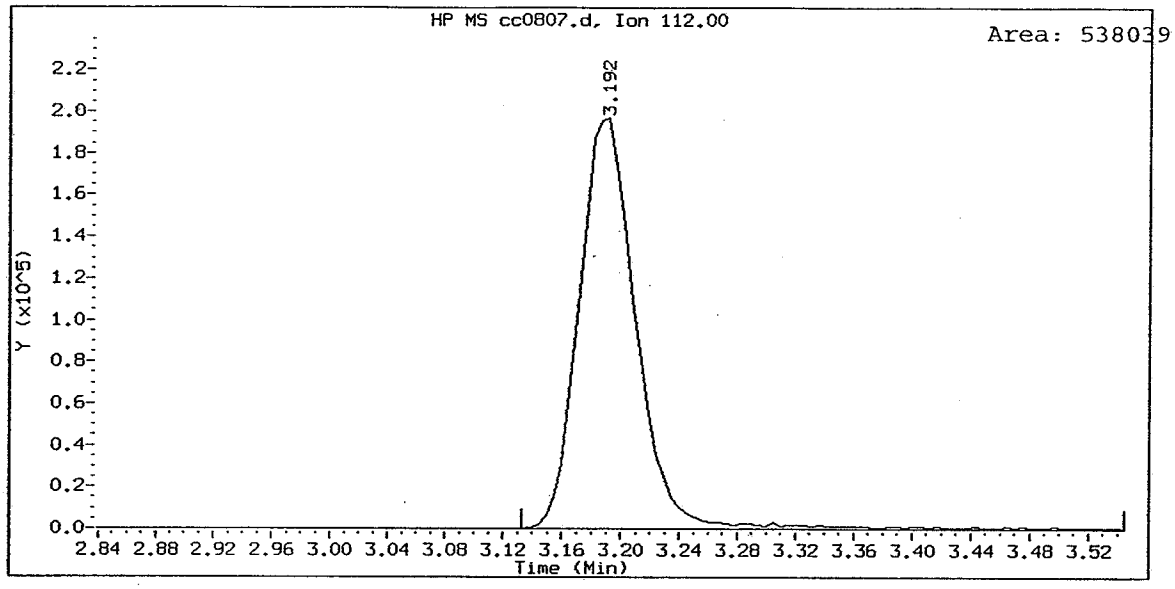
Aniline Amount: 23.10

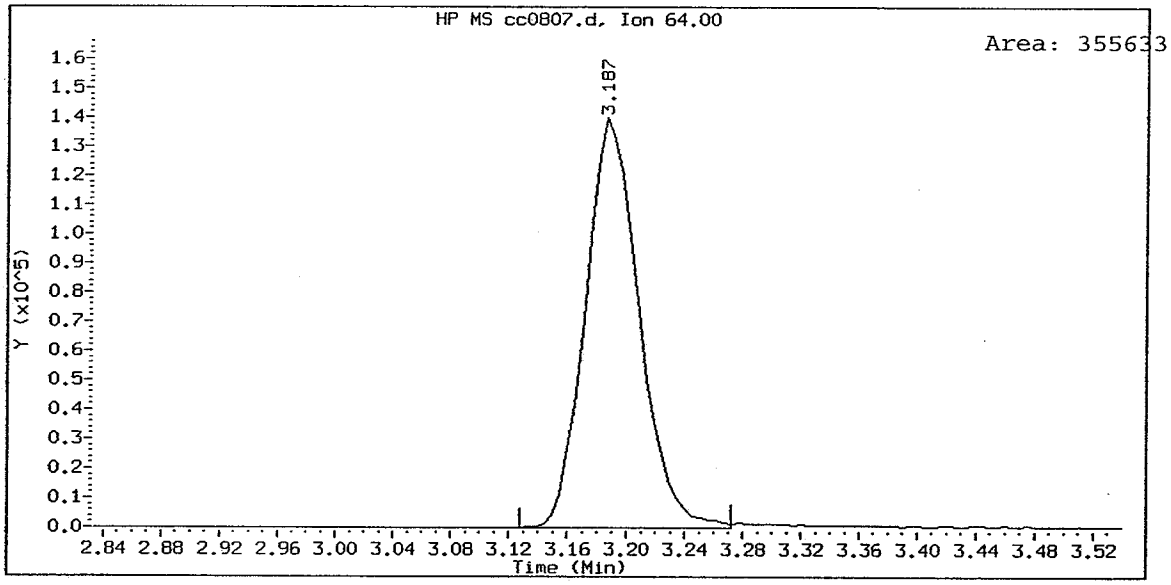




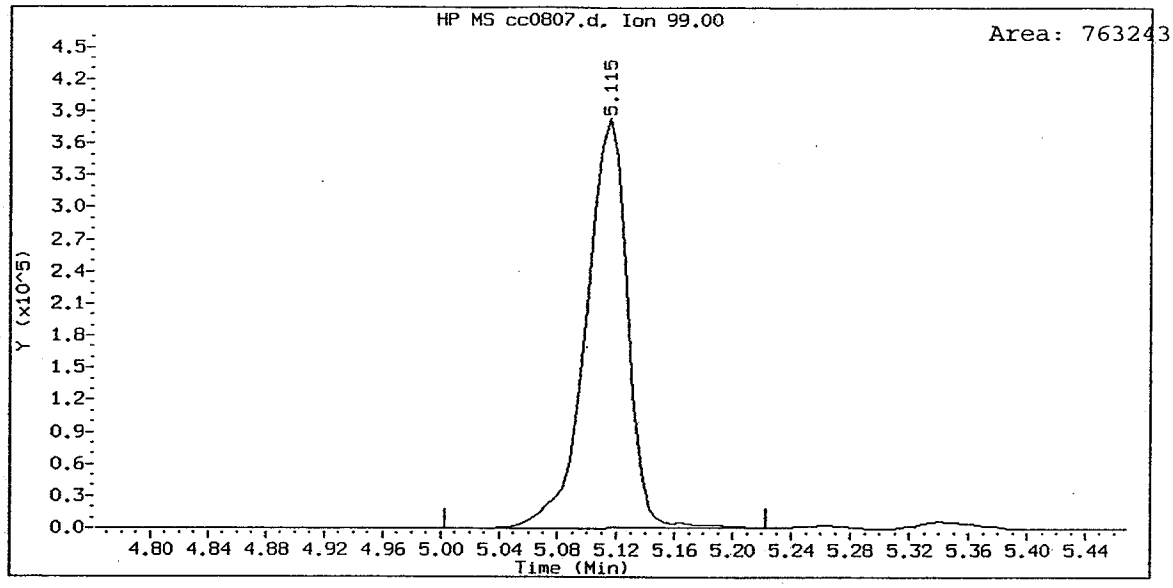


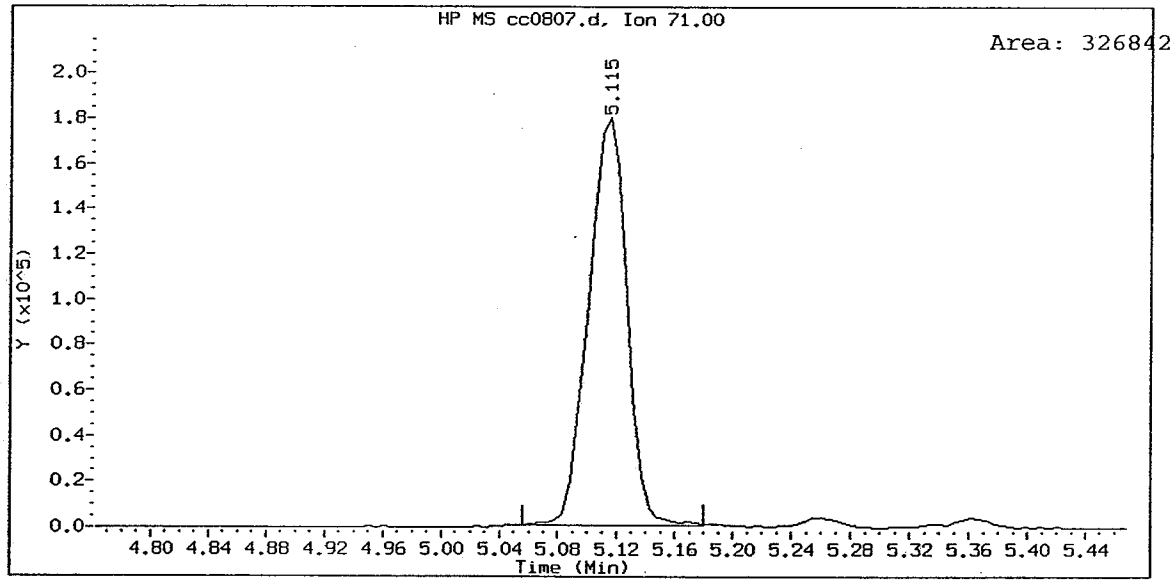
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
2-Fluorophenol Amount: 22.86

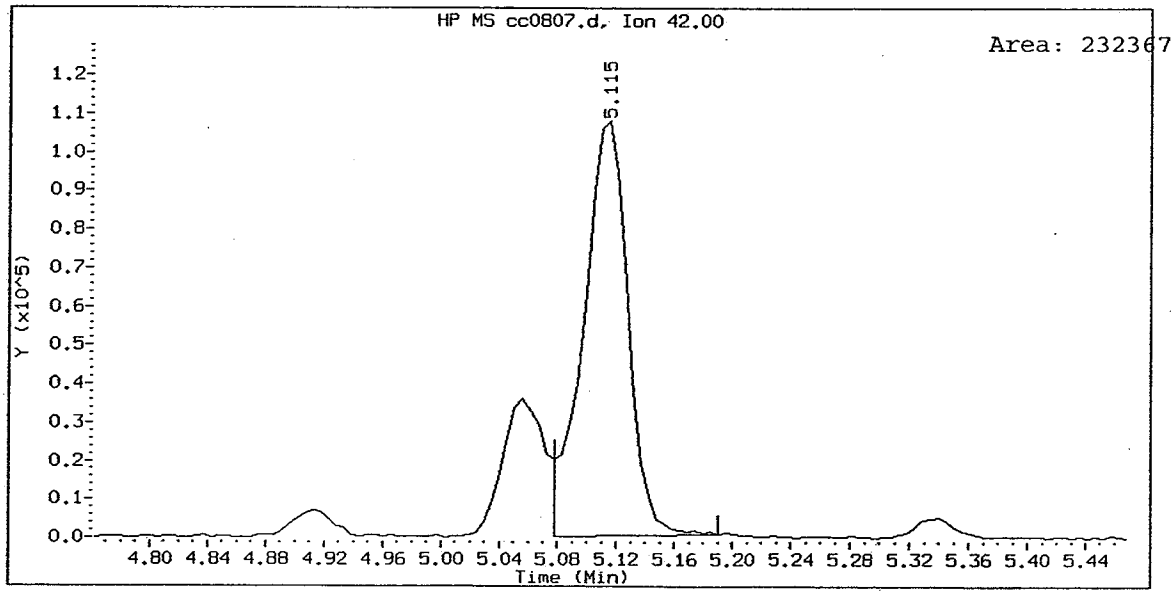




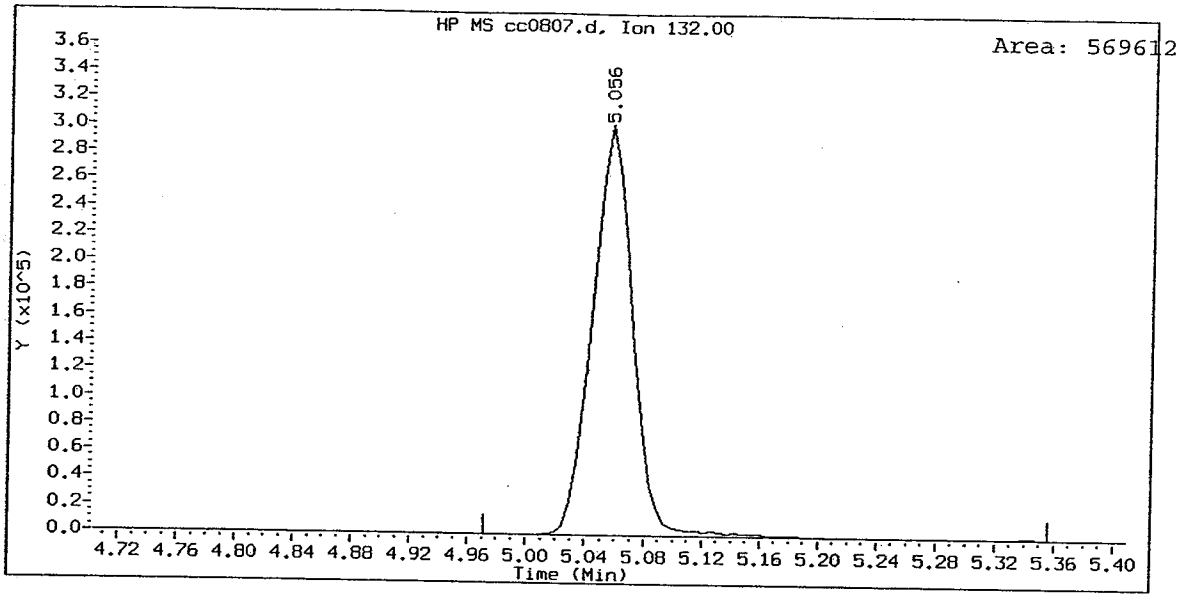
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Phenol-d5 Amount: 26.76

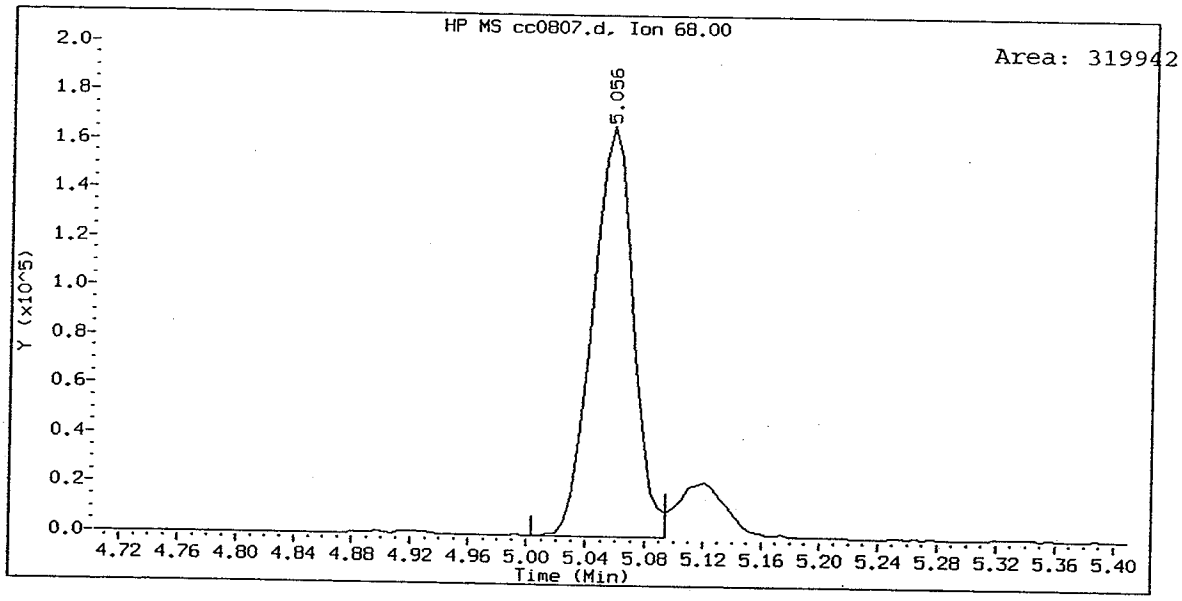


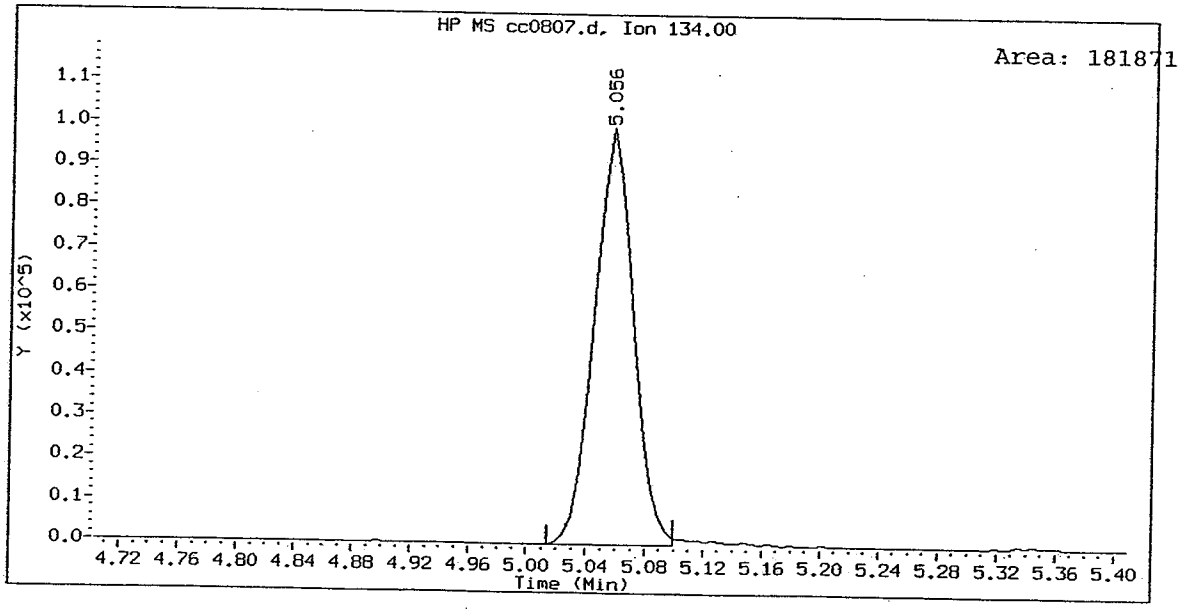




ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
2-Chlorophenol-d4 Amount: 23.55







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

Data file: /chem1/nt6.i/20060807.b/ddt.b/cc0807.d
Method: /chem1/nt6.i/20060807.b/ddt.b/sw846ddt.m
Analysis Date: 07-AUG-2006 09:54

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.349	202040
Benzidine	14.694	358724
4,4'-DDE	----	----
4,4'-DDD	15.613	30314
4,4'-DDT	16.061	466476

LJK
8/7/06

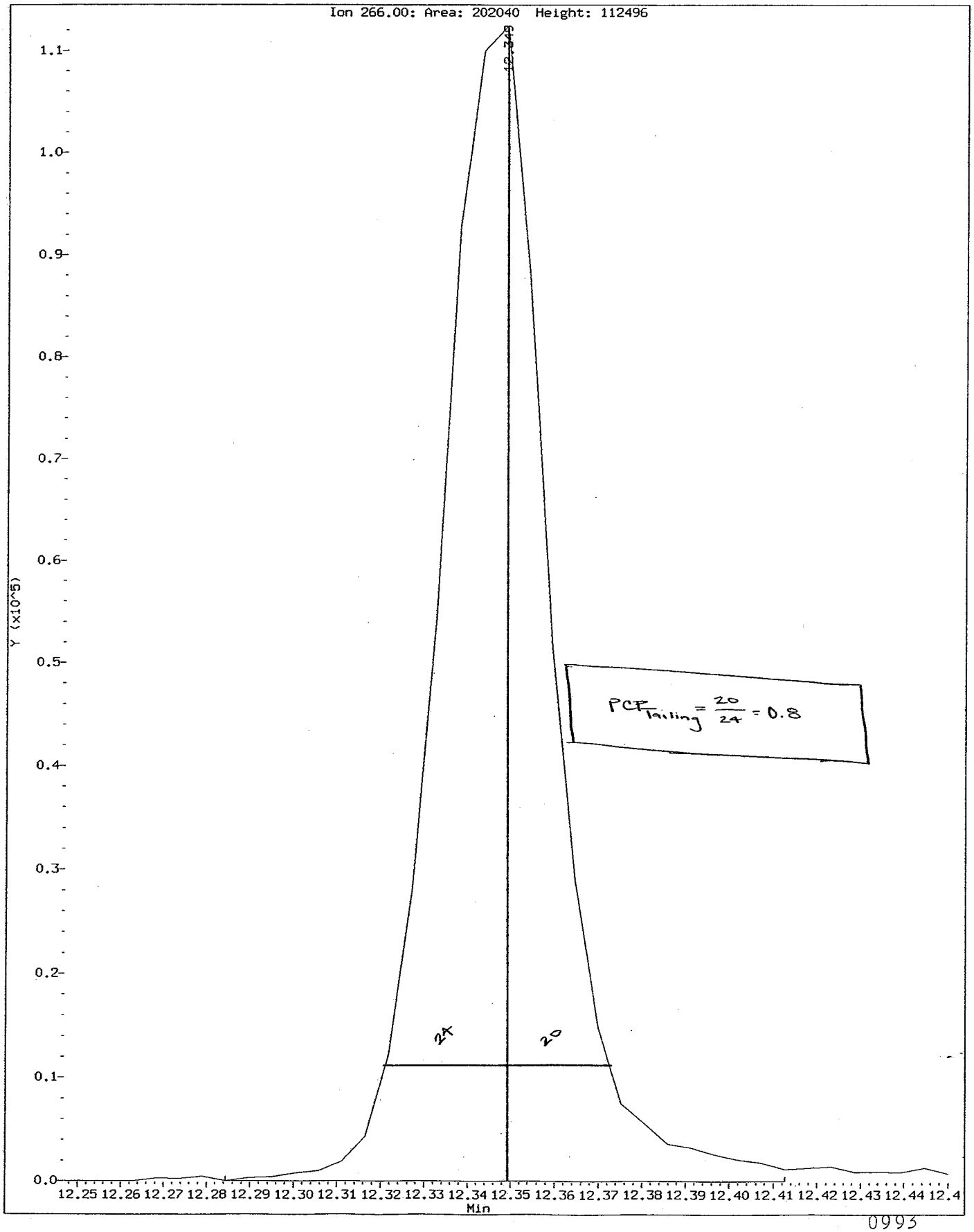
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 30314) * 100}{(0 + 30314 + 466476)}$$

DDT Percent Breakdown = 6.1 %

Data File: /chem1/nt6.i/20060807.b/ddt.b/cc0807.d
Injection Date: 07-AUG-2006 09:54
Instrument: nt6.i
Client Sample ID:

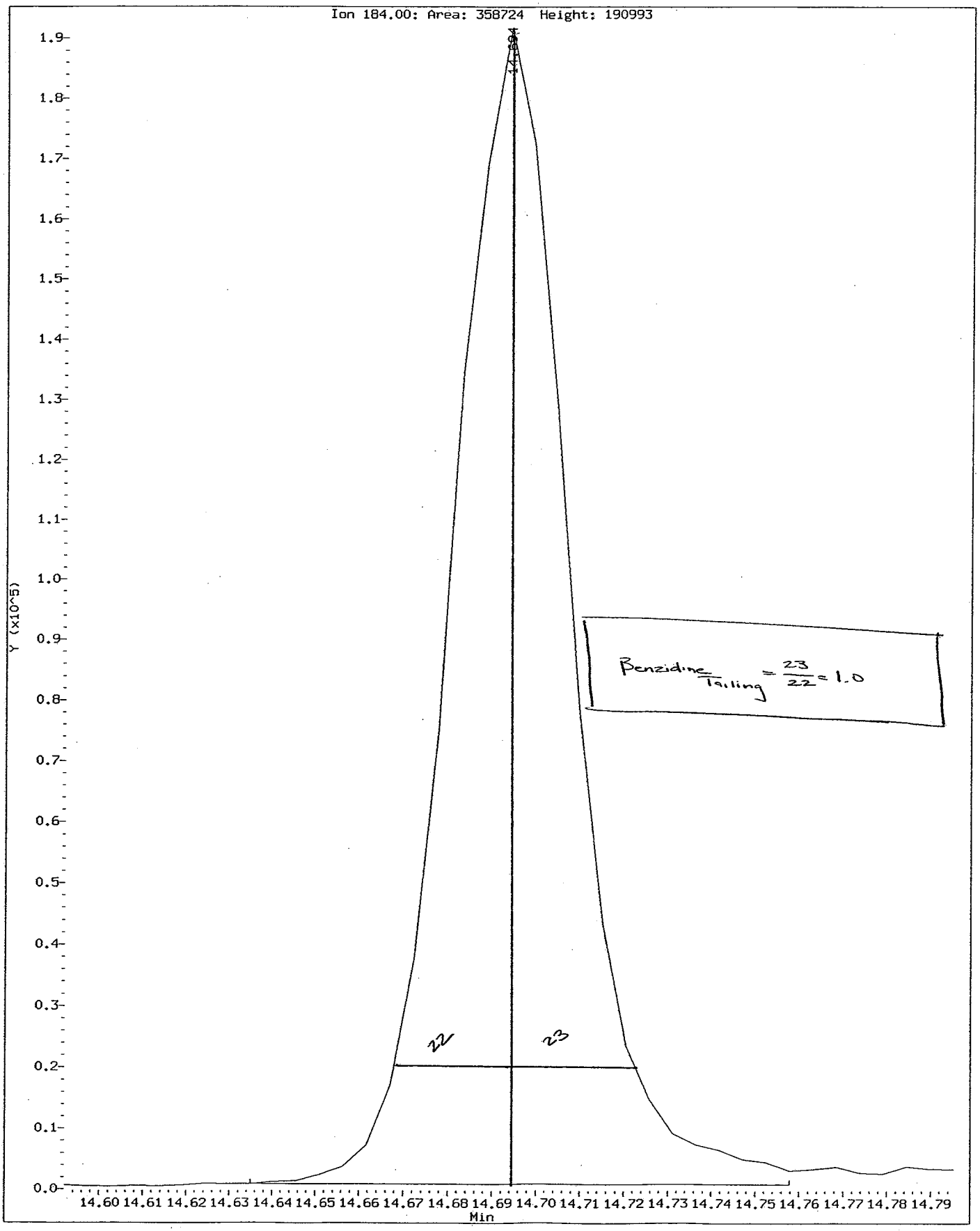
Compound: Pentachlorophenol
CAS Number: 87-86-5



0993

Data File: /chem1/nt6.i/20060807.b/ddt.b/cc0807.d
Injection Date: 07-AUG-2006 09:54
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: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D	
Phenol	2.228	2.190	0.100	1.7	20.0	
Bis(2-Chloroethyl)ether	1.658	1.477	0.100	10.9		
2-Chlorophenol	1.533	1.526	0.100	0.4		
1,3-Dichlorobenzene	1.667	1.488	0.100	10.7		
1,4-Dichlorobenzene	1.712	1.539	0.100	10.1	20.0	
1,2-Dichlorobenzene	1.646	1.577	0.100	4.2		
Benzyl alcohol	1.062	0.937	0.100	11.8		
2,2'-oxybis(1-Chloropropane)	2.030	1.652	0.100	18.6		
2-Methylphenol	1.466	1.431	0.100	2.4		
Hexachloroethane	0.725	0.735	0.100	-1.4		
N-Nitroso-di-n-propylamine	1.403	1.361	0.050	3.0		
4-Methylphenol	1.512	1.613	0.100	-6.7		
Nitrobenzene	0.594	0.815	0.100	-37.2		
Isophorone	0.932	0.931	0.100	0.1		
2-Nitrophenol	0.219	0.201	0.100	8.2	20.0	
2,4-Dimethylphenol	0.456	0.454	0.100	0.4		
Bis(2-Chloroethoxy)methane	0.519	0.487	0.100	6.2		
2,4-Dichlorophenol	0.333	0.330	0.100	0.9	20.0	
1,2,4-Trichlorobenzene	0.384	0.392	0.100	-2.1		
Naphthalene	1.216	1.163	0.100	4.4		
Benzoic acid	0.241	0.222	0.100	7.9		
4-Chloroaniline	0.490	0.459	0.100	6.3		
Hexachlorobutadiene	0.241	0.259	0.100	-7.5	20.0	
4-Chloro-3-methylphenol	0.376	0.375	0.100	0.3	20.0	
2-Methylnaphthalene	0.658	0.645	0.100	2.0		
Hexachlorocyclopentadiene	0.267	0.242	0.050	9.4		
2,4,6-Trichlorophenol	0.446	0.452	0.100	-1.3	20.0	
2,4,5-Trichlorophenol	0.463	0.480	0.100	-3.7		
2-Chloronaphthalene	1.312	1.294	0.100	1.4		
2-Nitroaniline	0.535	0.532	0.100	0.6		
Acenaphthylene	2.028	1.939	0.100	4.4		
Dimethylphthalate	1.392	1.340	0.100	3.7		
2,6-Dinitrotoluene	0.317	0.300	0.100	5.4		
Acenaphthene	1.284	1.285	0.100	-0.1	20.0	
3-Nitroaniline	0.339	0.316	0.100	6.8		
2,4-Dinitrophenol	0.061	0.040	0.050	34.4		<-
Dibenzofuran	1.767	1.855	0.100	-5.0		

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.264	0.050	-19.4	
2,4-Dinitrotoluene	0.403	0.380	0.100	5.7	
Fluorene	1.433	1.425	0.100	0.6	
4-Chlorophenyl-phenylether	0.753	0.775	0.100	-2.9	
Diethylphthalate	1.345	1.335	0.100	0.7	
4-Nitroaniline	0.298	0.274	0.100	8.0	
4,6-Dinitro-2-methylphenol	0.116	0.098	0.100	15.5	
N-Nitrosodiphenylamine(1)	0.687	0.727	0.100	-5.8	
4-Bromophenyl-phenylether	0.281	0.297	0.100	-5.7	
Hexachlorobenzene	0.294	0.295	0.100	-0.3	
Pentachlorophenol	0.160	0.174	0.100	-8.8	20.0
Phenanthrene	1.331	1.327	0.100	0.3	
Anthracene	1.337	1.325	0.100	0.9	
Carbazole	1.076	1.080	0.100	-0.4	
Di-n-butylphthalate	1.289	1.332	0.100	-3.3	
Fluoranthene	1.312	1.377	0.100	-5.0	20.0
Pyrene	1.684	1.510	0.100	10.3	
Butylbenzylphthalate	0.625	0.618	0.100	1.1	
Benzo(a)anthracene	1.510	1.483	0.100	1.8	
3,3'-Dichlorobenzidine	0.545	0.487	0.100	10.6	
Chrysene	1.501	1.452	0.100	3.3	
bis(2-Ethylhexyl)phthalate	0.505	0.516	0.100	-2.2	
Di-n-octylphthalate	0.955	0.939	0.100	1.7	20.0
Benzo(b)fluoranthene	1.313	1.426	0.100	-8.6	
Benzo(k)fluoranthene	1.358	1.676	0.100	-23.4	
Benzo(a)pyrene	1.264	1.357	0.100	-7.4	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.441	0.100	6.3	
Dibenzo(a,h)anthracene	1.510	1.539	0.100	-1.9	
Benzo(g,h,i)perylene	1.610	1.588	0.100	1.4	
N-Nitrosodimethylamine	1.079	0.001	0.100	99.9	
Aniline	2.630	2.380	0.100	9.5	
Benzidine	0.579	0.394	0.100	32.0	
Pyridine	2.210	0.001	0.100	100.0	
1-methylnaphthalene	0.687	0.662	0.100	3.6	
Azobenzene (1,2-DP-Hydrazine	1.957	2.218	0.100	-13.3	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/08/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 1313

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.390	0.100	5.8	
Phenol-d5	1.788	1.906	0.100	-6.6	
2-Chlorophenol-d4	1.516	1.404	0.100	7.4	
1,2-Dichlorobenzene-d4	0.977	0.933	0.100	4.5	
Nitrobenzene-d5	0.541	0.562	0.100	-3.9	
2-Fluorobiphenyl	1.493	1.464	0.100	1.9	
2,4,6-Tribromophenol	0.192	0.187	0.100	2.6	
Terphenyl-d14	1.059	0.972	0.100	8.2	

<- Outside QC limits

FORM VII SV-3

Data File: /chem1/nt6.i/20060808.b/cc0808.d
Report Date: 09-Aug-2006 08:47

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060808.b/SW846.m

Injection Date: 08-AUG-2006 13:13
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.39032	1.39032	0.010	5.79235	100	Averaged
$ 2 Phenol-d5	1.78819	1.90555	1.90555	0.010	-6.56313	100	Averaged
3 Phenol	2.22821	2.19057	2.19057	0.010	1.68911	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.40429	1.40429	0.010	7.38311	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.47739	1.47739	0.010	10.88814	100	Averaged
6 2-Chlorophenol	1.53316	1.52631	1.52631	0.010	0.44716	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.48789	1.48789	0.010	10.72312	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.53922	1.53922	0.010	10.12451	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.93295	0.93295	0.010	4.54886	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.57732	1.57732	0.010	4.20261	100	Averaged
11 Benzyl alcohol	1.06159	0.93688	0.93688	0.010	11.74712	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	1.65183	1.65183	0.010	18.64741	100	Averaged
13 2-Methylphenol	1.46609	1.43125	1.43125	0.010	2.37647	100	Averaged
17 Hexachloroethane	0.72499	0.73508	0.73508	0.010	-1.39160	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.36063	1.36063	0.050	3.03264	100	Averaged
15 4-Methylphenol	1.51200	1.61329	1.61329	0.010	-6.69876	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.56168	0.56168	0.010	-3.74170	100	Averaged
19 Nitrobenzene	0.59443	0.81513	0.81513	0.010	-37.12803	100	Averaged
20 Isophorone	0.93231	0.93126	0.93126	0.010	0.11272	100	Averaged
21 2-Nitrophenol	0.21868	0.20113	0.20113	0.010	8.02492	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.45411	0.45411	0.010	0.44725	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.48665	0.48665	0.010	6.30463	100	Averaged
24 Benzoic acid	0.24076	0.22216	0.22216	0.010	7.72338	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.32988	0.32988	0.010	0.95986	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.39250	0.39250	0.010	-2.17075	100	Averaged
28 Naphthalene	1.21584	1.16274	1.16274	0.010	4.36755	100	Averaged
29 4-Chloroaniline	0.49036	0.45893	0.45893	0.010	6.40930	100	Averaged
30 Hexachlorobutadiene	0.24135	0.25936	0.25936	0.010	-7.45910	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.37463	0.37463	0.010	0.44169	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.64485	0.64485	0.010	1.93794	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.24220	0.24220	0.050	9.27962	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.45256	0.45256	0.010	-1.59366	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.48012	0.48012	0.010	-3.70939	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.46380	1.46380	0.010	1.97781	100	Averaged
37 2-Chloronaphthalene	1.31189	1.29361	1.29361	0.010	1.39297	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060808.b/SW846.m

Injection Date: 08-AUG-2006 13:13
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.53527	0.53238	0.53238	0.010	0.53911	100	Averaged
39 Dimethylphthalate	1.39220	1.33994	1.33994	0.010	3.75329	100	Averaged
40 Acenaphthylene	2.02846	1.93909	1.93909	0.010	4.40571	100	Averaged
41 2,6-Dinitrotoluene	0.31738	0.30027	0.30027	0.010	5.39163	100	Averaged
43 3-Nitroaniline	0.33922	0.31610	0.31610	0.010	6.81363	100	Averaged
44 Acenaphthene	1.28428	1.28508	1.28508	0.010	-0.06181	20.00000	Averaged
45 2,4-Dinitrophenol	0.06160	0.03995	0.03995	0.050	35.15244	100	Averaged <-
46 Dibenzofuran	1.76701	1.85512	1.85512	0.010	-4.98681	100	Averaged
47 4-Nitrophenol	0.22074	0.26425	0.26425	0.050	-19.70859	100	Averaged
48 2,4-Dinitrotoluene	0.40267	0.37969	0.37969	0.010	5.70756	100	Averaged
50 Diethylphthalate	1.34468	1.33547	1.33547	0.010	0.68502	100	Averaged
49 Fluorene	1.43339	1.42535	1.42535	0.010	0.56081	100	Averaged
51 4-Chlorophenyl-phenylether	0.75298	0.77524	0.77524	0.010	-2.95669	100	Averaged
52 4-Nitroaniline	0.29776	0.27358	0.27358	0.010	8.12172	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.11636	0.09756	0.09756	0.010	16.15830	100	Averaged
54 N-Nitrosodiphenylamine	0.68692	0.72674	0.72674	0.010	-5.79735	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.19232	0.18663	0.18663	0.010	2.95907	100	Averaged
56 4-Bromophenyl-phenylether	0.28074	0.29697	0.29697	0.010	-5.78313	100	Averaged
57 Hexachlorobenzene	0.29422	0.29545	0.29545	0.010	-0.41912	100	Averaged
58 Pentachlorophenol	0.16025	0.17396	0.17396	0.010	-8.55703	20.00000	Averaged
60 Phenanthrene	1.33142	1.32706	1.32706	0.010	0.32738	100	Averaged
61 Anthracene	1.33663	1.32470	1.32470	0.010	0.89269	100	Averaged
62 Carbazole	1.07599	1.08056	1.08056	0.010	-0.42479	100	Averaged
63 Di-n-butylphthalate	1.28884	1.33203	1.33203	0.010	-3.35109	100	Averaged
64 Fluoranthene	1.31268	1.37729	1.37729	0.010	-4.92199	20.00000	Averaged
65 Pyrene	1.68468	1.51040	1.51040	0.010	10.34526	100	Averaged
$ 66 Terphenyl-d14	1.05913	0.97151	0.97151	0.010	8.27303	100	Averaged
67 Butylbenzylphthalate	0.62512	0.61776	0.61776	0.010	1.17648	100	Averaged
68 Benzo(a)anthracene	1.51027	1.48271	1.48271	0.010	1.82466	100	Averaged
70 3,3'-Dichlorobenzidine	0.54465	0.48715	0.48715	0.010	10.55801	100	Averaged
71 Chrysene	1.50081	1.45252	1.45252	0.010	3.21761	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.50498	0.51600	0.51600	0.010	-2.18248	100	Averaged
73 Di-n-octylphthalate	0.95527	0.93920	0.93920	0.010	1.68209	20.00000	Averaged
74 Benzo(b)fluoranthene	1.31305	1.42633	1.42633	0.010	-8.62748	100	Averaged
75 Benzo(k)fluoranthene	1.35777	1.67614	1.67614	0.010	-23.44763	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0808.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060808.b/SW846.m

Injection Date: 08-AUG-2006 13:13
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.26379	1.35712	1.35712	0.010	-7.38465	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.53747	1.44150	1.44150	0.010	6.24221	100	Averaged	
79 Dibenzo(a,h)anthracene	1.51025	1.53935	1.53935	0.010	-1.92687	100	Averaged	
80 Benzo(g,h,i)perylene	1.60993	1.58831	1.58831	0.010	1.34322	100	Averaged	
90 N-Nitrosodimethylamine	1.07898	0.00085	0.00085	0.010	100	100	Averaged	<-
103 Pyridine	2.21036	0.00146	0.00146	0.010	100	100	Averaged	<-
91 Aniline	2.63074	2.37991	2.37991	0.010	9.53455	100	Averaged	
105 1-methylnaphthalene	0.68742	0.66179	0.66179	0.010	3.72822	100	Averaged	
93 Benzidine	0.57928	0.39460	0.39460	0.010	31.88135	100	Averaged	
98 Retene	0.72951	0.64331	0.64331	0.010	11.81707	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.95685	2.21827	2.21827	0.010	-13.35885	100	Averaged	
144 alpha-Terpineol	0.36586	0.35439	0.35439	0.010	3.13462	100	Averaged	
143 1,4-Dioxane	0.75175	0.00024	0.00024	0.010	100	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.72004	0.00027	0.00027	0.010	100	100	Averaged	<-
133 Butylatedhydroxytoluene	1.13212	1.19484	1.19484	0.010	-5.54001	100	Averaged	
115 Tributyl Phosphate	1.00449	0.99496	0.99496	0.010	0.94921	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.78147	0.80627	0.80627	0.010	-3.17276	100	Averaged	
117 Butyl Diphenyl Phosphate	0.28782	0.25125	0.25125	0.010	12.70575	100	Averaged	
118 Triphenyl Phosphate	0.23863	0.20100	0.20100	0.010	15.76911	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060808.b/cc0808.d
Lab Smp Id: ABN 25
Inj Date : 08-AUG-2006 13:13
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060808.b/SW846.m
Meth Date : 09-Aug-2006 08:47 jeff
Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54
Cal File: 0100719d.d
Als bottle: 1
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 8/9/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	2.956	2.956	(0.540)	494634	25.0000	23.55 (M)
$	2 Phenol-d5	99	4.965	4.965	(0.906)	677937	25.0000	26.64 (M)
	3 Phenol	94	4.981	4.981	(0.909)	779340	25.0000	24.58 (M)
$	5 2-Chlorophenol-d4	132	4.896	4.896	(0.894)	499606	25.0000	23.15 (M)
	4 Bis(2-Chloroethyl)ether	93	4.933	4.933	(0.901)	525610	25.0000	22.28
	6 2-Chlorophenol	128	4.922	4.922	(0.899)	543014	25.0000	24.89 (M)
	7 1,3-Dichlorobenzene	146	5.099	5.099	(0.931)	529347	25.0000	22.32 (H)
*	8 1,4-Dichlorobenzene-d4	152	5.179	5.179	(1.000)	284616	20.0000	(MH)
	9 1,4-Dichlorobenzene	146	5.205	5.205	(0.950)	547607	25.0000	22.47 (H)
$	10 1,2-Dichlorobenzene-d4	152	5.478	5.478	(1.058)	331915	25.0000	23.86 (M)
	12 1,2-Dichlorobenzene	146	5.499	5.499	(1.004)	561163	25.0000	23.95
	11 Benzyl alcohol	108	5.585	5.585	(1.078)	333315	25.0000	22.06 (MH)
	14 2,2'-oxybis(1-Chloropropane)	45	5.852	5.852	(1.068)	587671	25.0000	20.34
	13 2-Methylphenol	108	5.927	5.927	(1.082)	509195	25.0000	24.41 (H)
	17 Hexachloroethane	117	5.991	5.991	(1.157)	261519	25.0000	25.35 (M)
	16 N-Nitroso-di-n-propylamine	70	6.076	6.076	(1.109)	484070	25.0000	24.24
	15 4-Methylphenol	108	6.183	6.183	(1.129)	573959	25.0000	26.67
$	18 Nitrobenzene-d5	82	6.167	6.167	(0.834)	686238	25.0000	25.94
	19 Nitrobenzene	77	6.194	6.194	(0.837)	995891	25.0000	34.28
	20 Isophorone	82	6.610	6.610	(0.894)	1137771	25.0000	24.97
	21 2-Nitrophenol	139	6.717	6.717	(0.908)	245731	25.0000	22.99
	22 2,4-Dimethylphenol	107	6.990	6.990	(0.945)	554809	25.0000	24.89
	23 Bis(2-Chloroethoxy)methane	93	7.086	7.086	(0.958)	594567	25.0000	23.42
	24 Benzoic acid	105	7.332	7.332	(0.991)	271427	25.0000	23.07 (M)
	25 2,4-Dichlorophenol	162	7.150	7.150	(0.967)	403038	25.0000	24.76
	26 1,2,4-Trichlorobenzene	180	7.214	7.214	(0.975)	479536	25.0000	25.54
*	27 Naphthalene-d8	136	7.246	7.246	(1.000)	977404	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	7.278	7.278	(0.984)	1420582	25.0000	23.91
29 4-Chloroaniline	127	7.503	7.503	(1.014)	560702	25.0000	23.40
30 Hexachlorobutadiene	225	7.647	7.647	(1.034)	316870	25.0000	26.86
31 4-Chloro-3-methylphenol	107	8.421	8.421	(1.139)	457705	25.0000	24.89
32 2-Methylnaphthalene	141	8.389	8.389	(1.134)	787851	25.0000	24.52 ~~(H)~~
33 Hexachlorocyclopentadiene	237	8.785	8.785	(0.876)	164818	25.0000	22.68
34 2,4,6-Trichlorophenol	196	8.956	8.956	(0.893)	307963	25.0000	25.40
35 2,4,5-Trichlorophenol	196	9.020	9.020	(0.900)	326717	25.0000	25.93
$ 36 2-Fluorobiphenyl	172	9.068	9.068	(0.905)	996105	25.0000	24.51
37 2-Chloronaphthalene	162	9.132	9.132	(0.911)	880293	25.0000	24.65
38 2-Nitroaniline	65	9.426	9.426	(0.940)	362280	25.0000	24.87
39 Dimethylphthalate	163	9.853	9.853	(0.983)	911820	25.0000	24.06
40 Acenaphthylene	152	9.768	9.768	(0.974)	1319532	25.0000	23.90
41 2,6-Dinitrotoluene	165	9.912	9.912	(0.989)	204331	25.0000	23.65
* 42 Acenaphthene-d10	164	10.024	10.024	(1.000)	544393	20.0000	
43 3-Nitroaniline	138	10.094	10.094	(1.007)	215106	25.0000	23.30
44 Acenaphthene	153	10.072	10.072	(1.005)	874484	25.0000	25.02
45 2,4-Dinitrophenol	184	10.259	10.259	(1.023)	27183	25.0000	16.21 (M)
46 Dibenzofuran	168	10.329	10.329	(1.030)	1262396	25.0000	26.25
47 4-Nitrophenol	109	10.558	10.558	(1.053)	179820	25.0000	29.93
48 2,4-Dinitrotoluene	165	10.500	10.500	(1.047)	258374	25.0000	23.57
50 Diethylphthalate	149	10.991	10.991	(1.096)	908775	25.0000	24.83
49 Fluorene	166	10.863	10.863	(1.084)	969937	25.0000	24.86
51 4-Chlorophenyl-phenylether	204	10.959	10.959	(1.093)	527546	25.0000	25.74
52 4-Nitroaniline	138	11.060	11.060	(1.103)	186168	25.0000	22.97
53 4,6-Dinitro-2-methylphenol	198	11.130	11.130	(0.905)	100532	25.0000	20.96
54 N-Nitrosodiphenylamine	169	11.183	11.183	(0.910)	748909	25.0000	26.45
$ 55 2,4,6-Tribromophenol	330	11.290	11.290	(1.126)	126997	25.0000	24.26
56 4-Bromophenyl-phenylether	248	11.696	11.696	(0.951)	306031	25.0000	26.45
57 Hexachlorobenzene	284	11.851	11.851	(0.964)	304467	25.0000	25.10
58 Pentachlorophenol	266	12.193	12.193	(0.992)	179265	25.0000	27.14
* 59 Phenanthrene-d10	188	12.294	12.294	(1.000)	824403	20.0000	
60 Phenanthrene	178	12.327	12.327	(1.003)	1367543	25.0000	24.92
61 Anthracene	178	12.396	12.396	(1.008)	1365109	25.0000	24.78
62 Carbazole	167	12.733	12.733	(1.036)	1113519	25.0000	25.11
63 Di-n-butylphthalate	149	13.577	13.577	(1.104)	1372664	25.0000	25.84
64 Fluoranthene	202	14.180	14.180	(1.153)	1419302	25.0000	26.23
65 Pyrene	202	14.501	14.501	(0.882)	1536524	25.0000	22.41
$ 66 Terphenyl-d14	244	14.934	14.934	(0.908)	988315	25.0000	22.93
67 Butylbenzylphthalate	149	15.884	15.884	(0.966)	628448	25.0000	24.71
68 Benzo(a)anthracene	228	16.424	16.424	(0.999)	1508362	25.0000	24.54
* 69 Chrysene-d12	240	16.445	16.445	(1.000)	813838	20.0000	
70 3,3'-Dichlorobenzidine	252	16.525	16.525	(1.005)	495572	25.0000	22.36
71 Chrysene	228	16.483	16.483	(1.002)	1477641	25.0000	24.20
72 bis(2-Ethylhexyl)phthalate	149	16.931	16.931	(0.949)	798744	25.0000	25.55
* 134 Di-n-octylphthalate-d4	153	17.850	17.850	(1.000)	1238353	20.0000	
73 Di-n-octylphthalate	149	17.856	17.856	(1.000)	1453829	25.0000	24.58

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	18.021	18.021	(0.974)	1493752	25.0000	27.16
75 Benzo(k)fluoranthene	252	18.048	18.048	(0.975)	1755368	25.0000	30.86 (M)
76 Benzo(a)pyrene	252	18.427	18.427	(0.996)	1421268	25.0000	26.85
* 77 Perylene-d12	264	18.507	18.507	(1.000)	837816	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	19.827	19.827	(1.071)	1509639	25.0000	23.44
79 Dibenzo(a,h)anthracene	278	19.875	19.875	(1.074)	1612117	25.0000	25.48
80 Benzo(g,h,i)perylene	276	20.099	20.099	(1.086)	1663386	25.0000	24.66
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
91 Aniline	93	4.751	4.751	(0.867)	846702	25.0000	22.62
105 1-methylnaphthalene	141	8.550	8.550	(1.156)	808544	25.0000	24.07
93 Benzidine	184	14.527	14.527	(0.883)	401423	25.0000	17.03
98 Retene	219	15.131	15.131	(0.920)	654433	25.0000	22.05
111 Azobenzene (1,2-DP-Hydrazine)	77	11.194	11.194	(1.117)	1509512	25.0000	28.34
144 alpha-Terpineol	59	7.396	7.396	(1.000)	432983	25.0000	24.22
143 1,4-Dioxane	88	Compound Not Detected.					
$ 137 d8-1,4-Dioxane	96	Compound Not Detected.					
133 Butylatedhydroxytoluene	205	10.334	10.334	(1.031)	813076	25.0000	26.39
115 Tributyl Phosphate	99	11.424	11.424	(0.929)	1025308	25.0000	24.76
116 Dibutyl Phenyl Phosphate	175	13.042	13.042	(1.061)	830861	25.0000	25.79
117 Butyl Diphenyl Phosphate	94	14.634	14.634	(0.890)	255594	25.0000	21.82
118 Triphenyl Phosphate	326	16.162	16.162	(0.983)	204479	25.0000	21.06

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0808.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060808.b/SW846.m
Misc Info:

Calibration Date: 08-AUG-2006
Calibration Time: 13:13

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	284616	142308	569232	284616	0.00
27 Naphthalene-d8	977404	488702	1954808	977404	0.00
42 Acenaphthene-d10	544393	272196	1088786	544393	0.00
59 Phenanthrene-d10	824403	412202	1648806	824403	0.00
69 Chrysene-d12	813838	406919	1627676	813838	0.00
134 Di-n-octylphthala	1238353	619176	2476706	1238353	0.00
77 Perylene-d12	837816	418908	1675632	837816	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.18	4.68	5.68	5.18	0.00
27 Naphthalene-d8	7.25	6.75	7.75	7.25	0.00
42 Acenaphthene-d10	10.02	9.52	10.52	10.02	0.00
59 Phenanthrene-d10	12.29	11.79	12.79	12.29	0.00
69 Chrysene-d12	16.45	15.95	16.95	16.45	0.00
134 Di-n-octylphthala	17.85	17.35	18.35	17.85	0.00
77 Perylene-d12	18.51	18.01	19.01	18.51	0.00

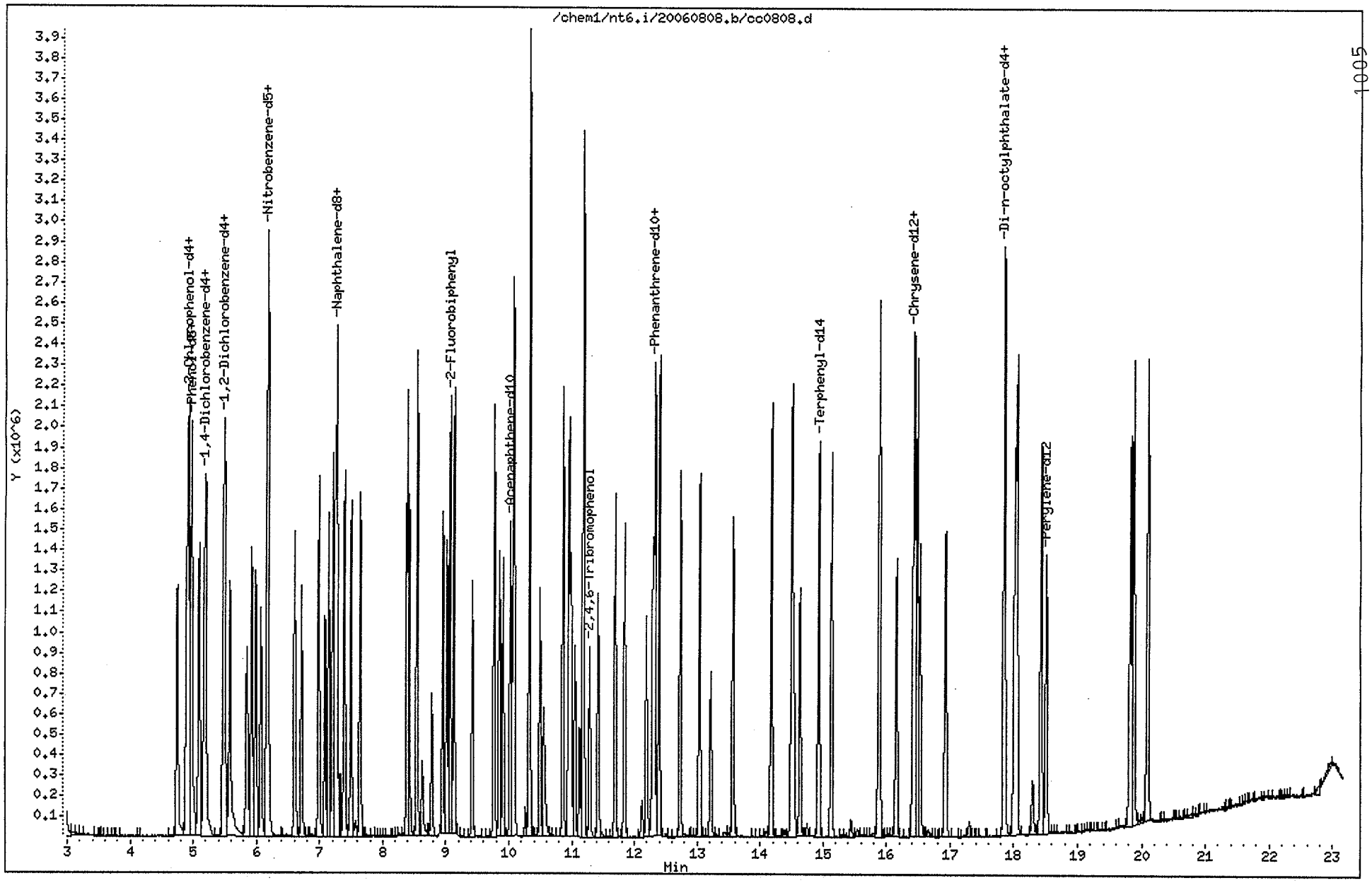
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060808.b/cc0808.d
Date : 08-AUG-2006 13:13
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

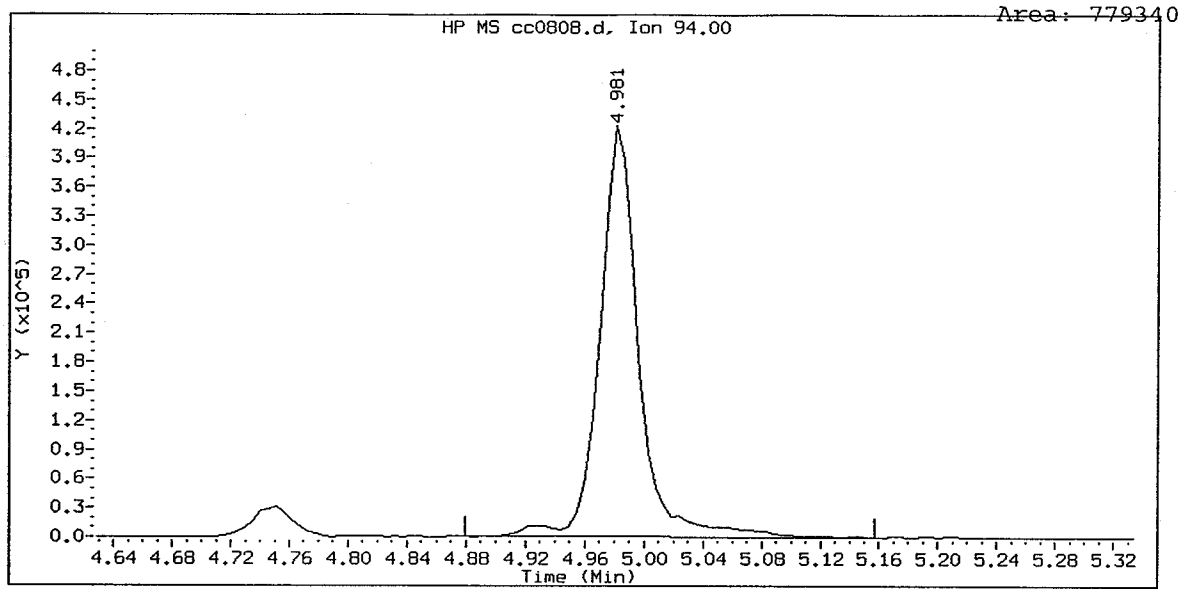
Instrument: nt6.i

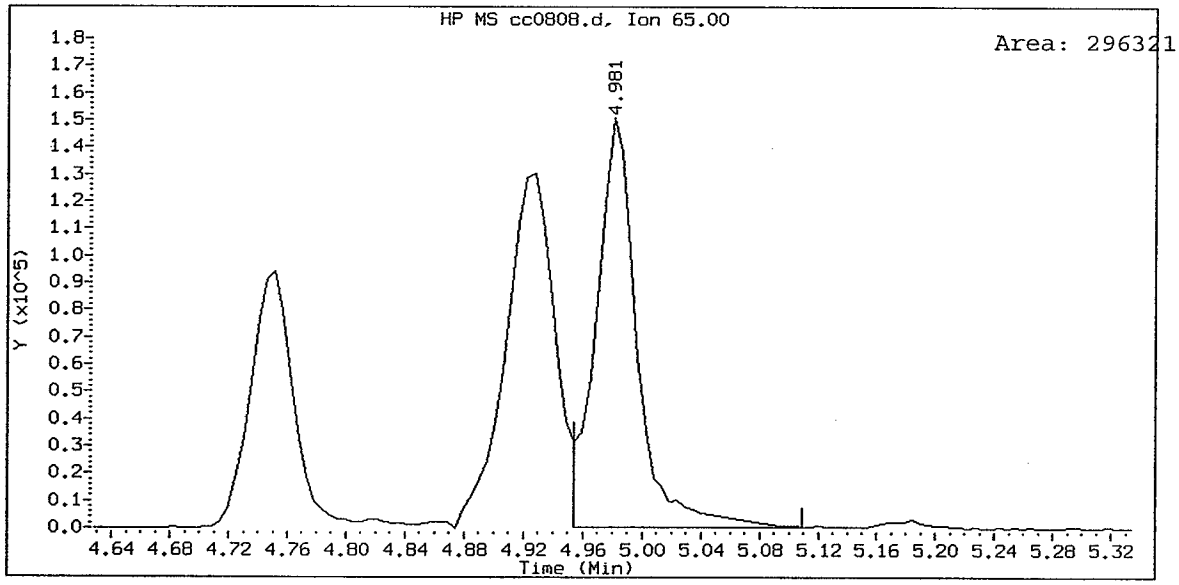
Operator: LJR
Column diameter: 0.32

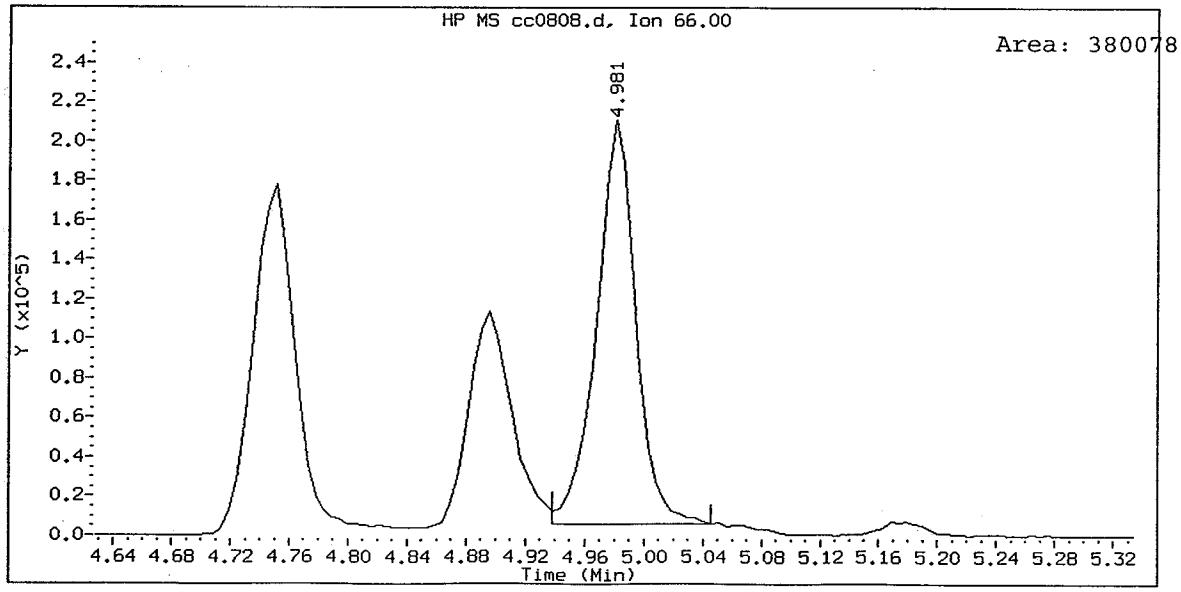


1005

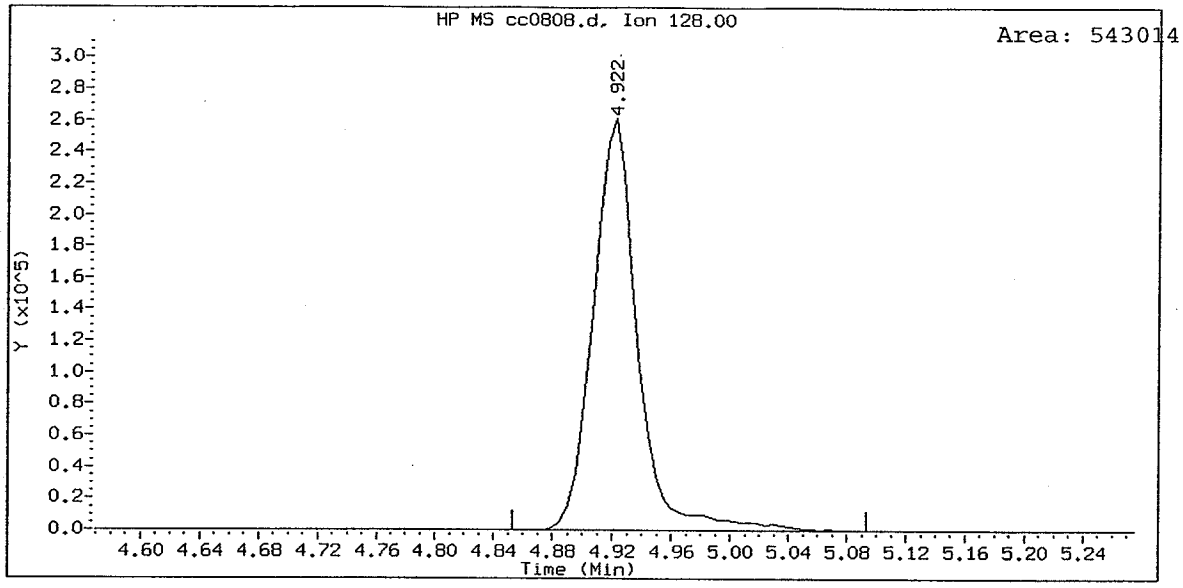
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Phenol Amount: 24.58

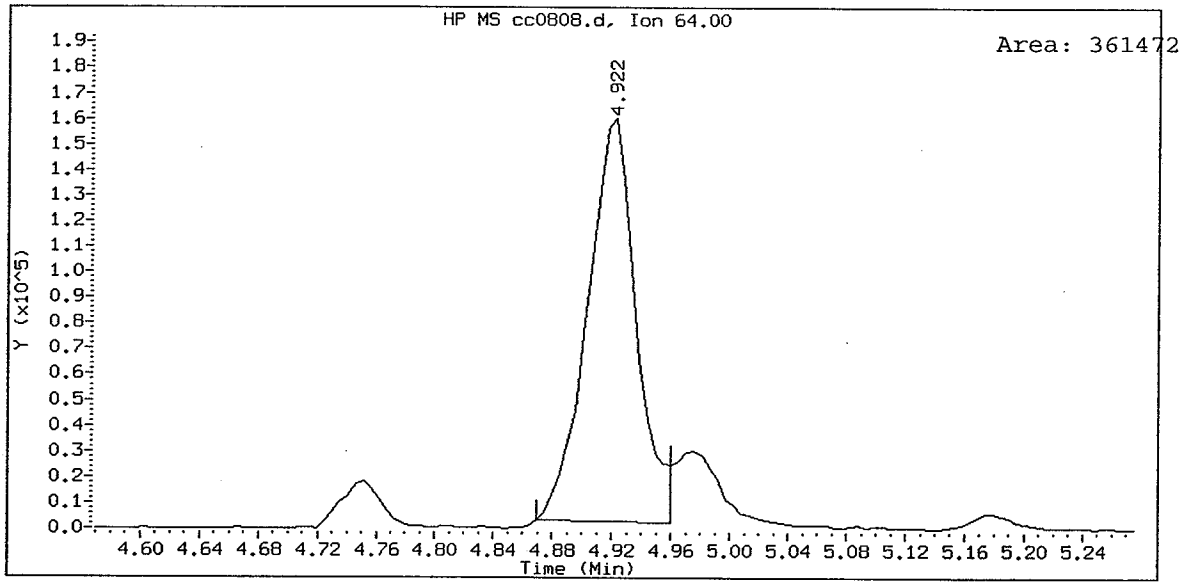


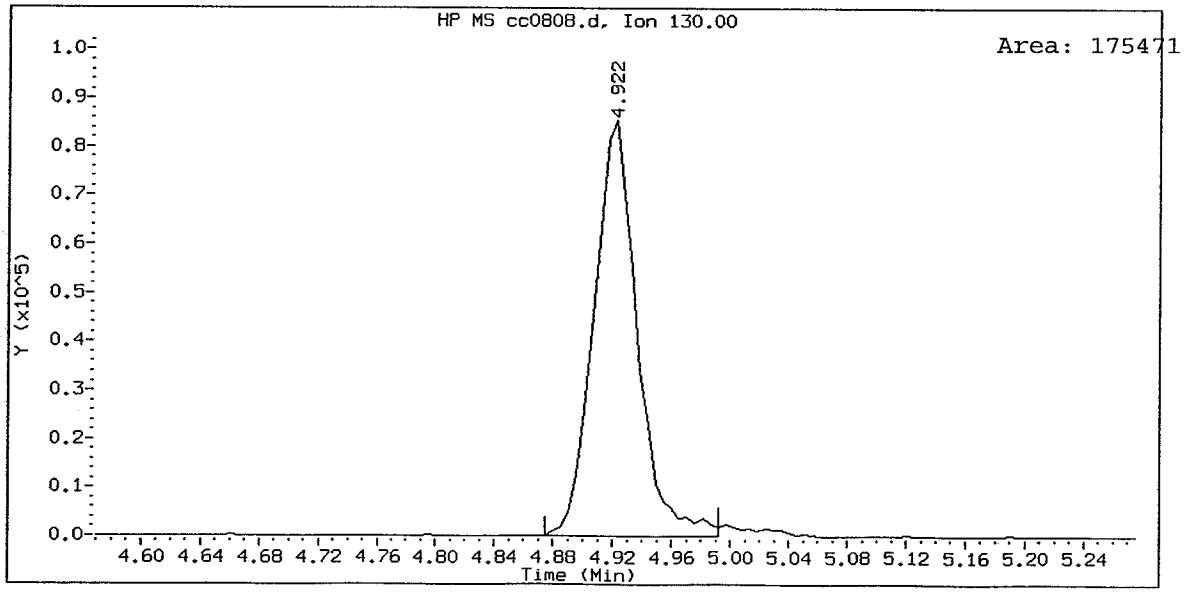




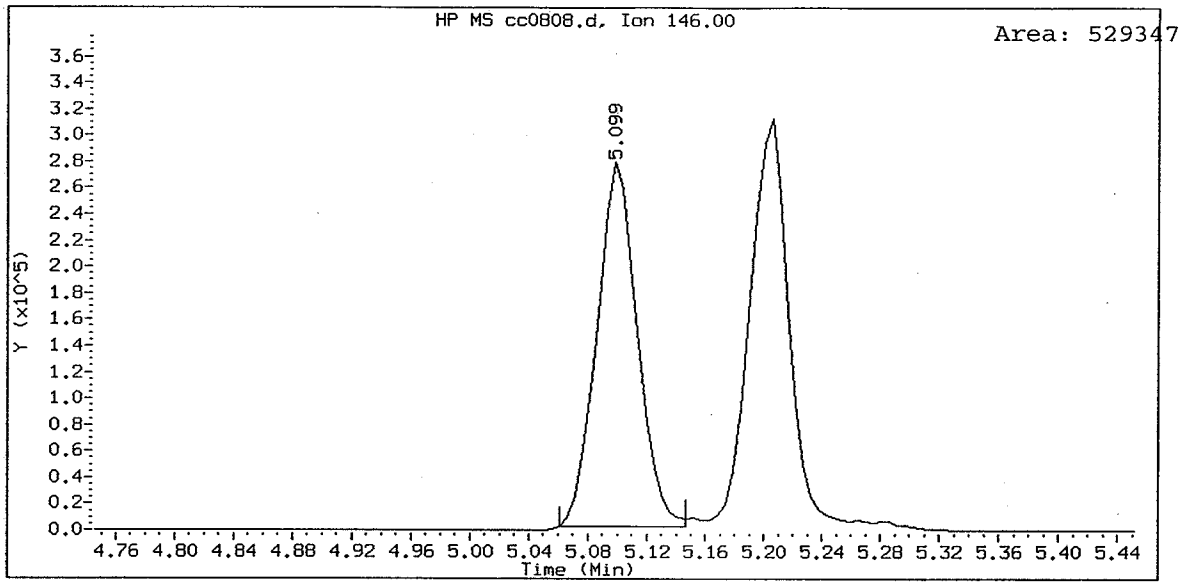
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
2-Chlorophenol Amount: 24.89

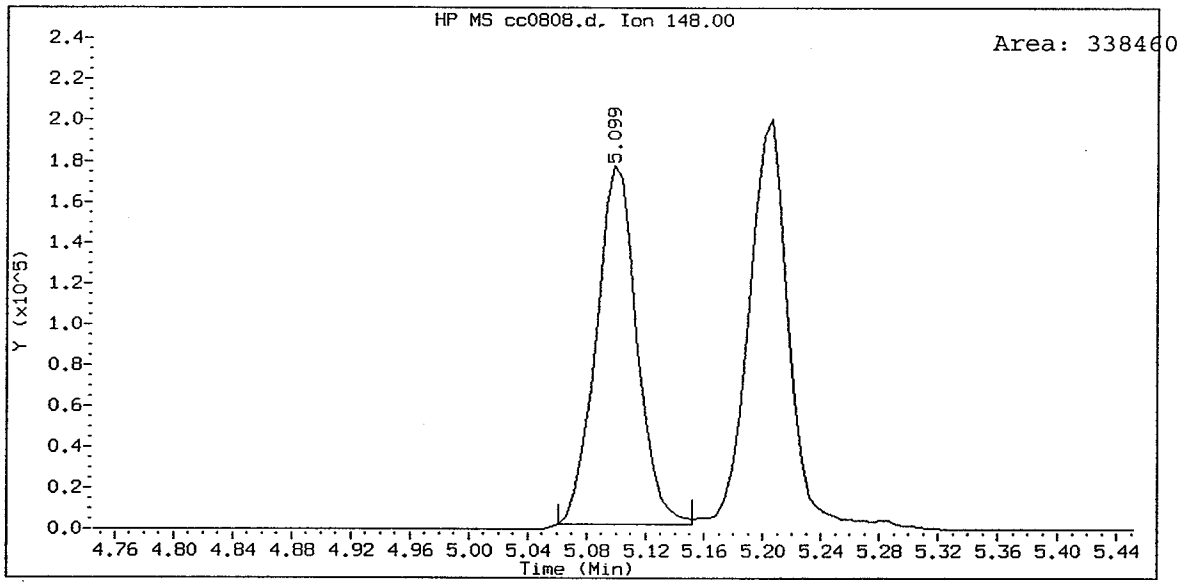


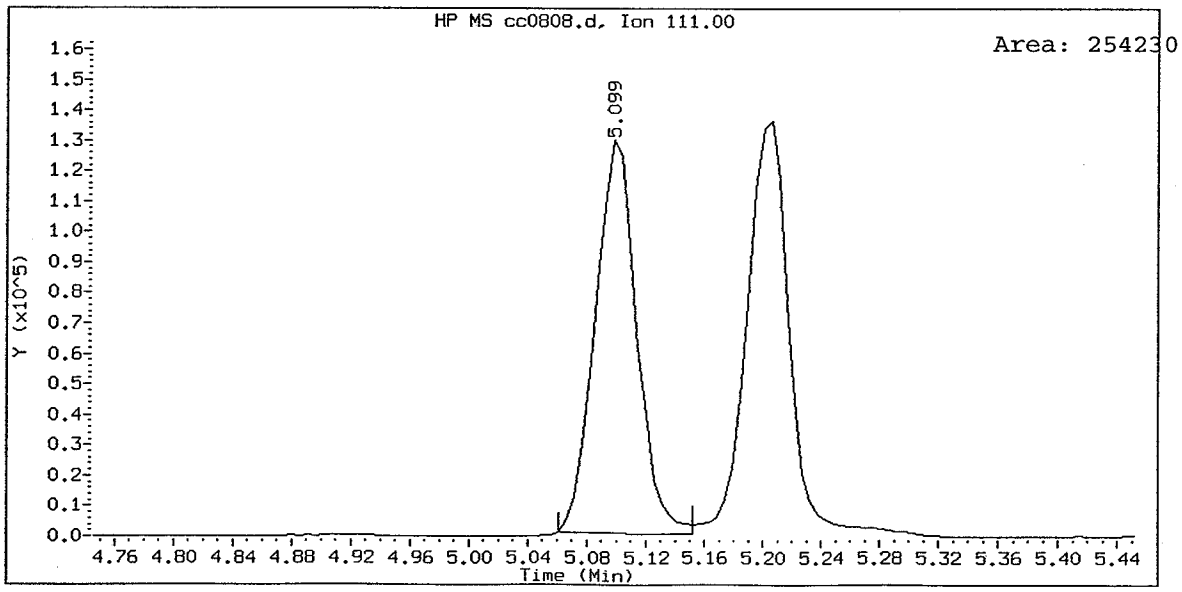




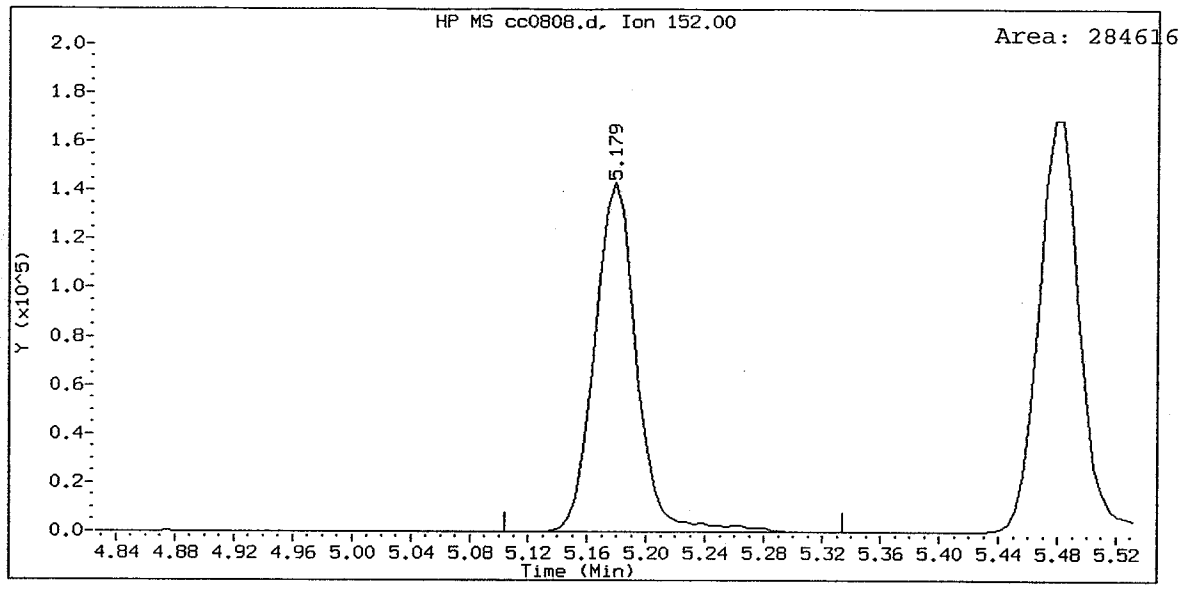
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,3-Dichlorobenzene Amount: 22.32

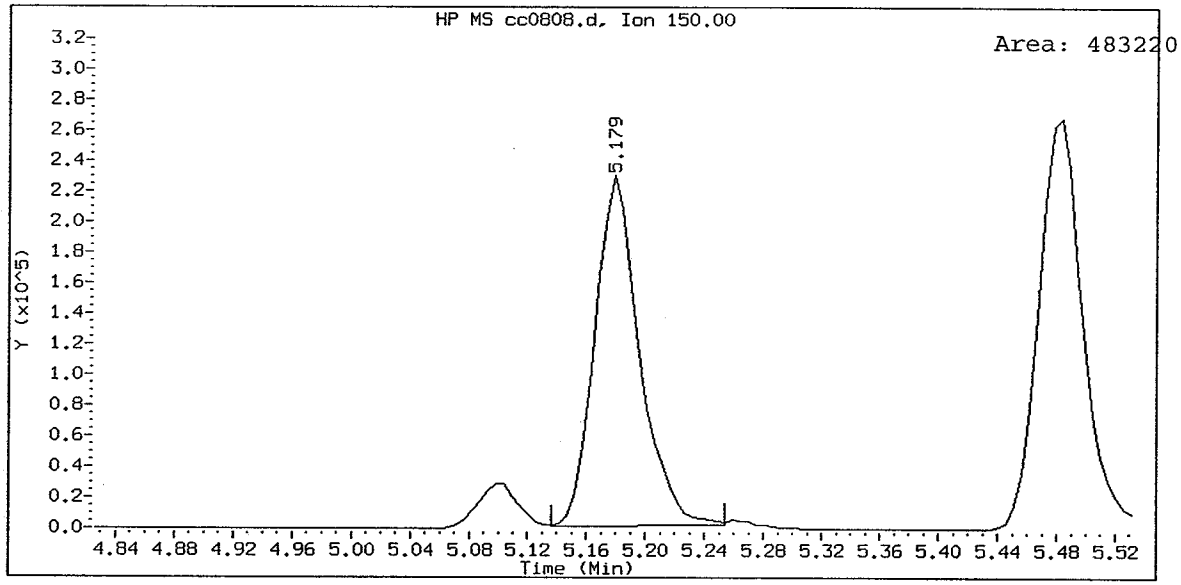


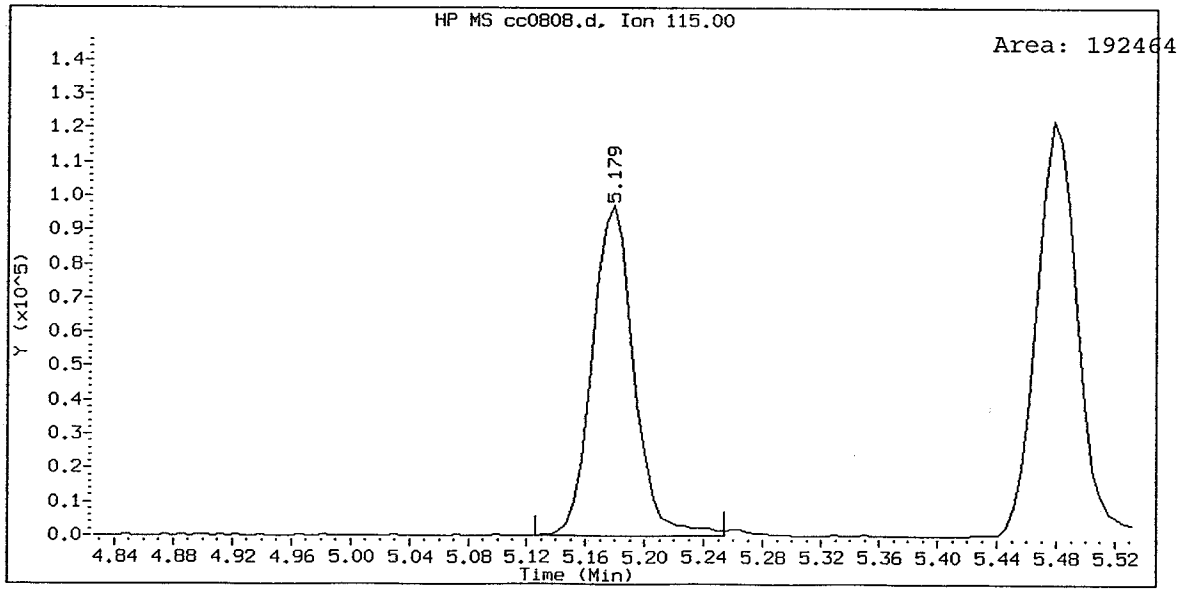




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,4-Dichlorobenzene-d4 Amount: 20.00







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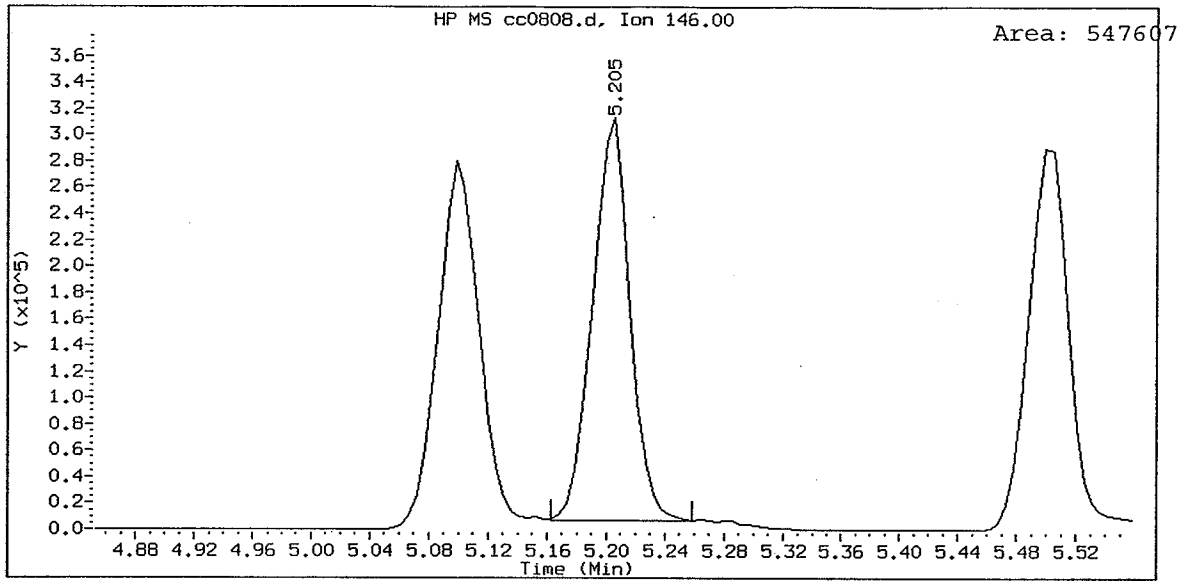
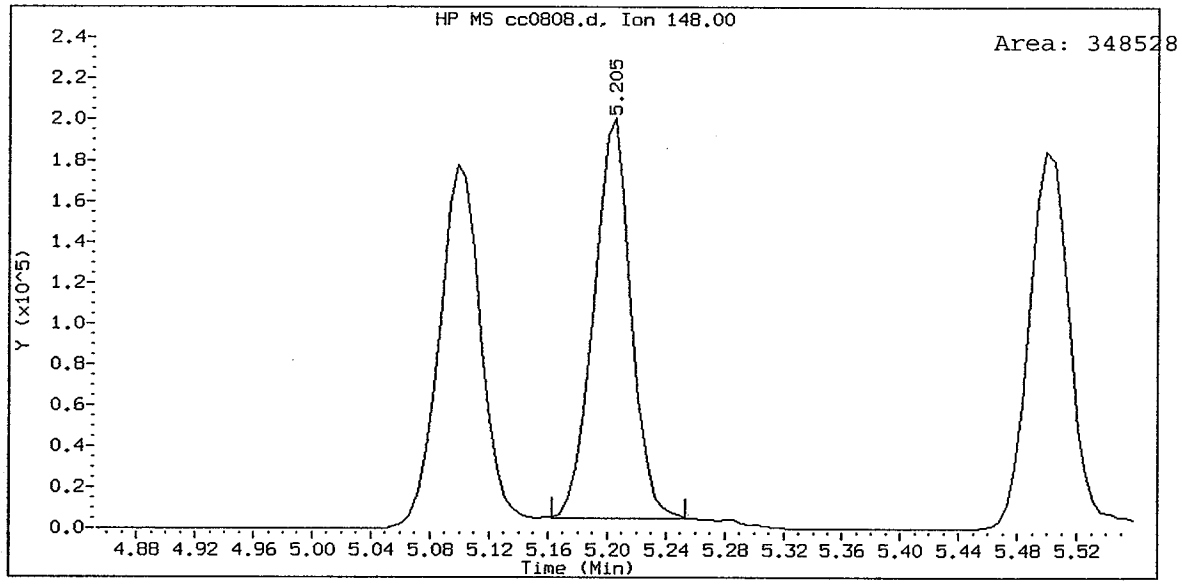
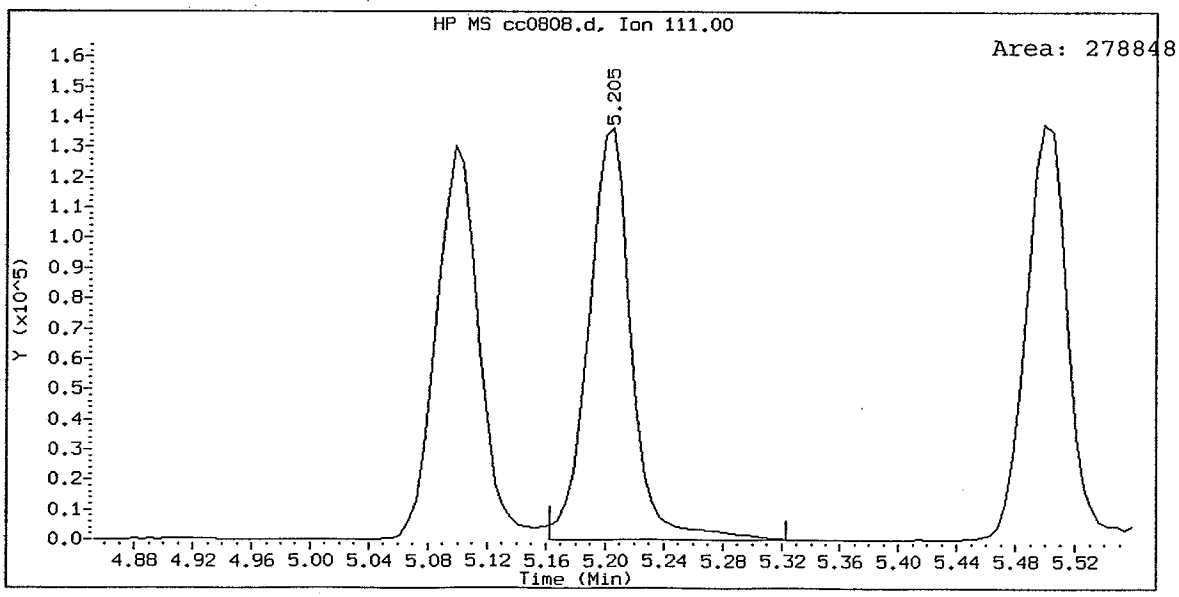
1,4-Dichlorobenzene Amount: 22.47







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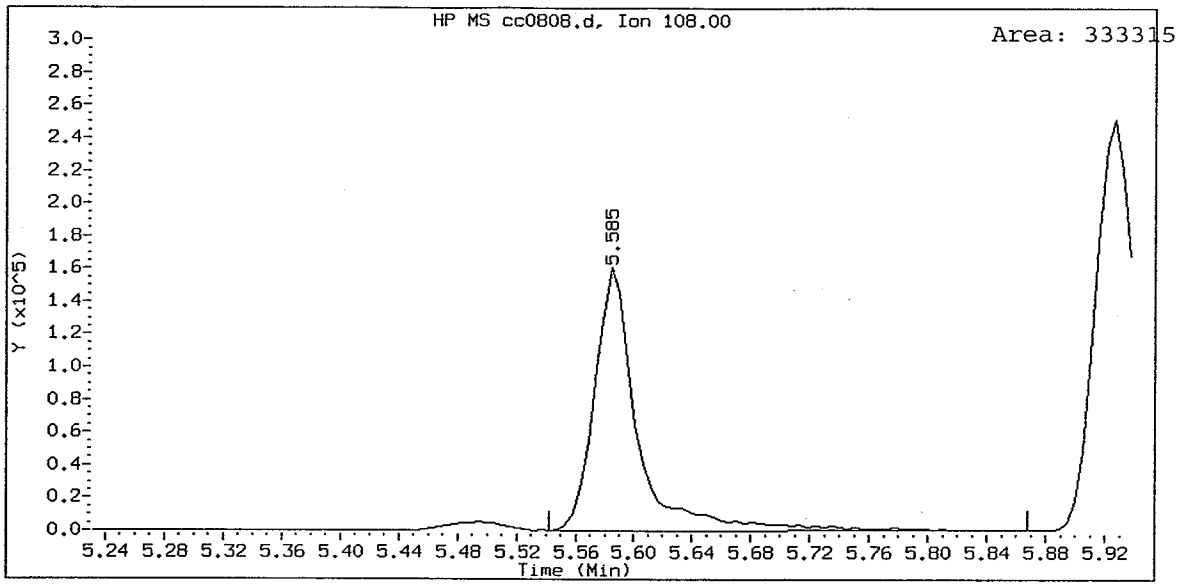
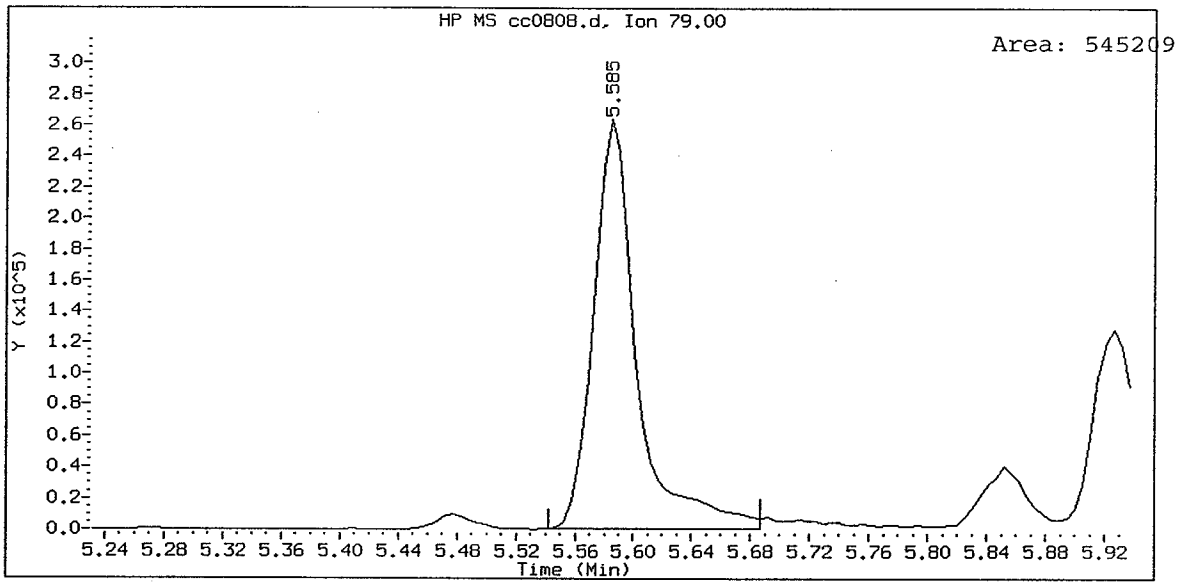
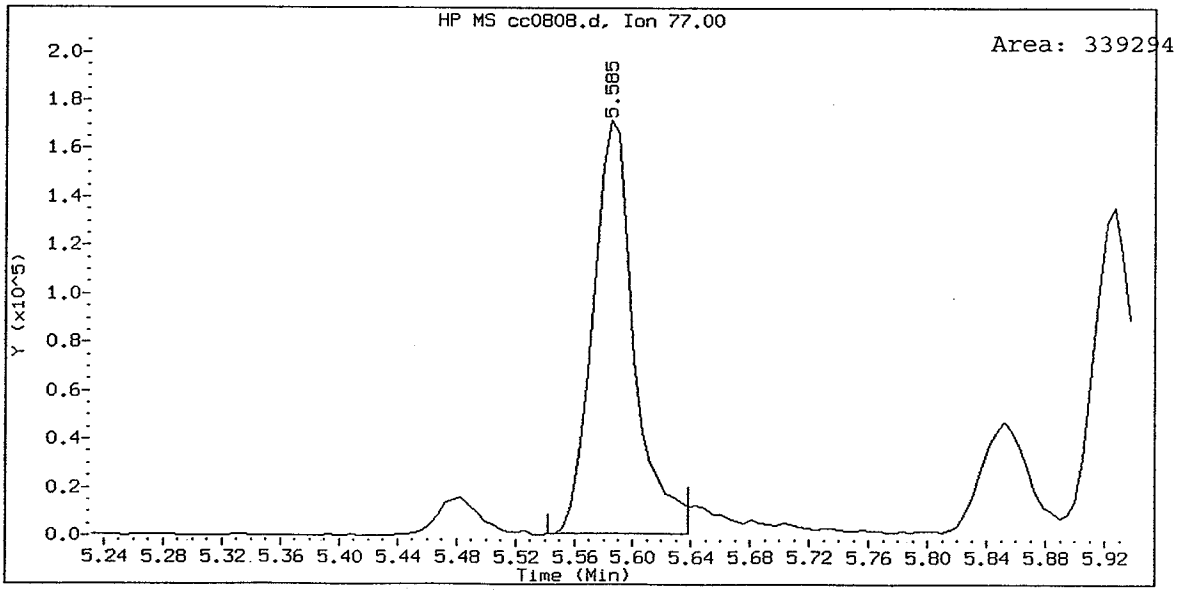
Benzyl alcohol Amount: 22.06







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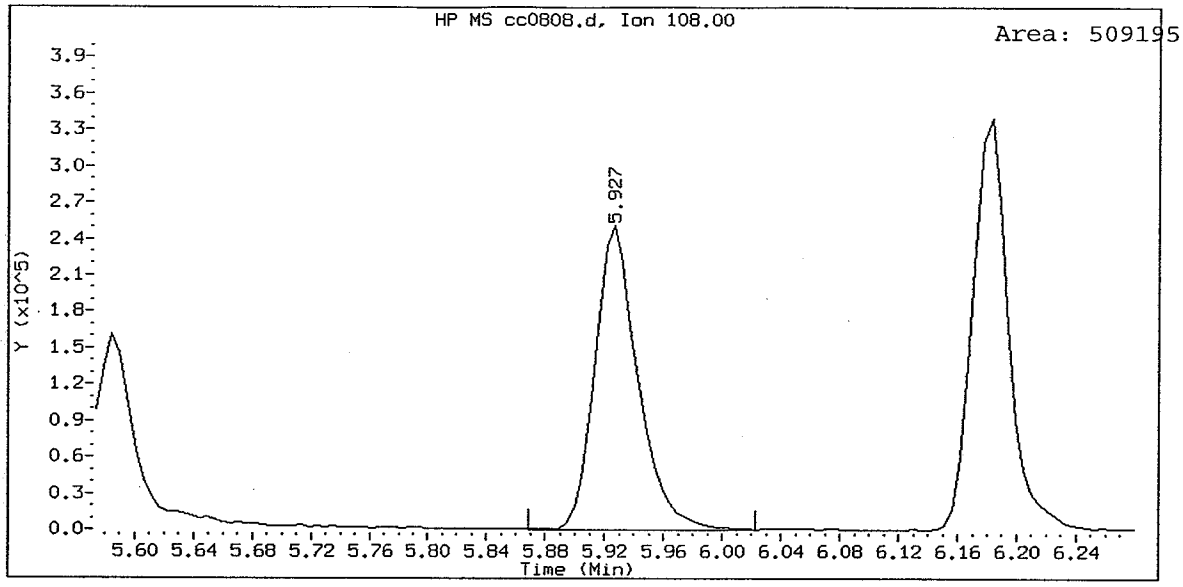
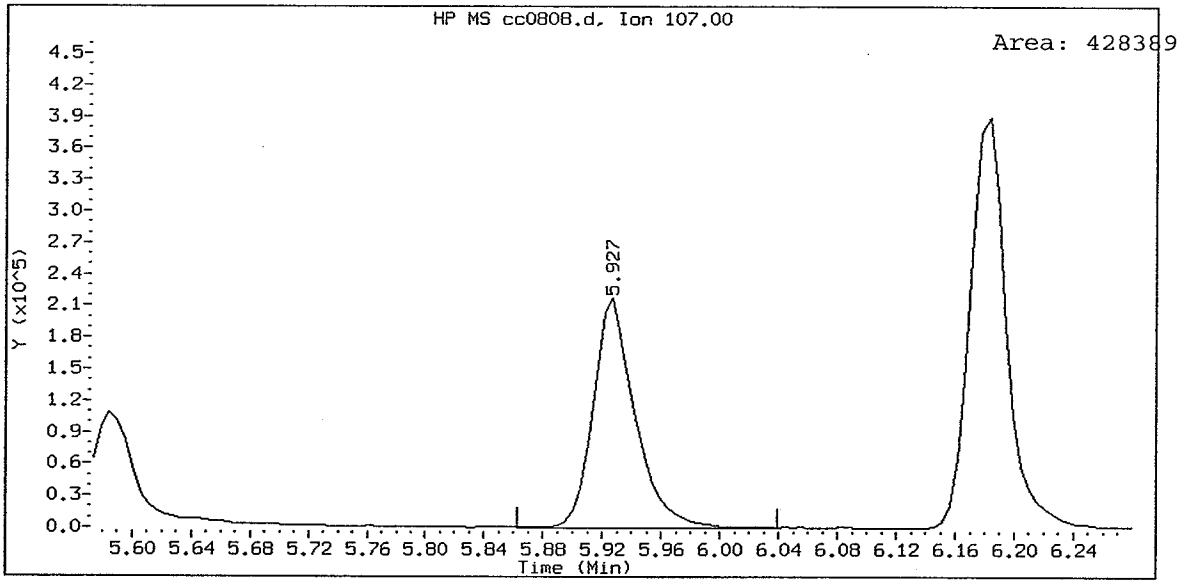
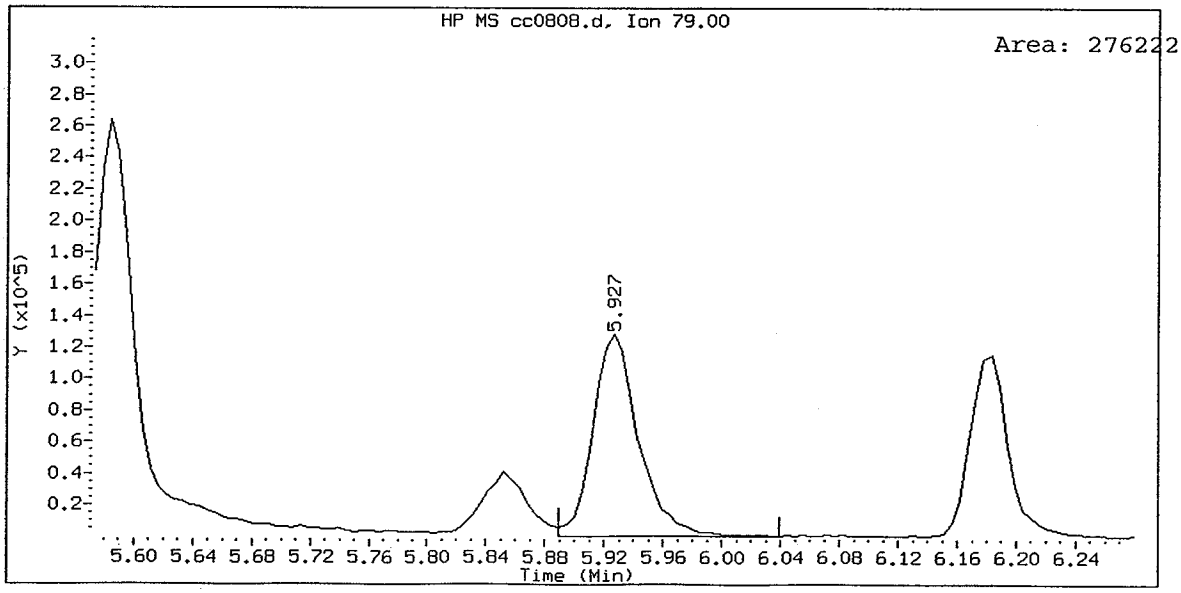
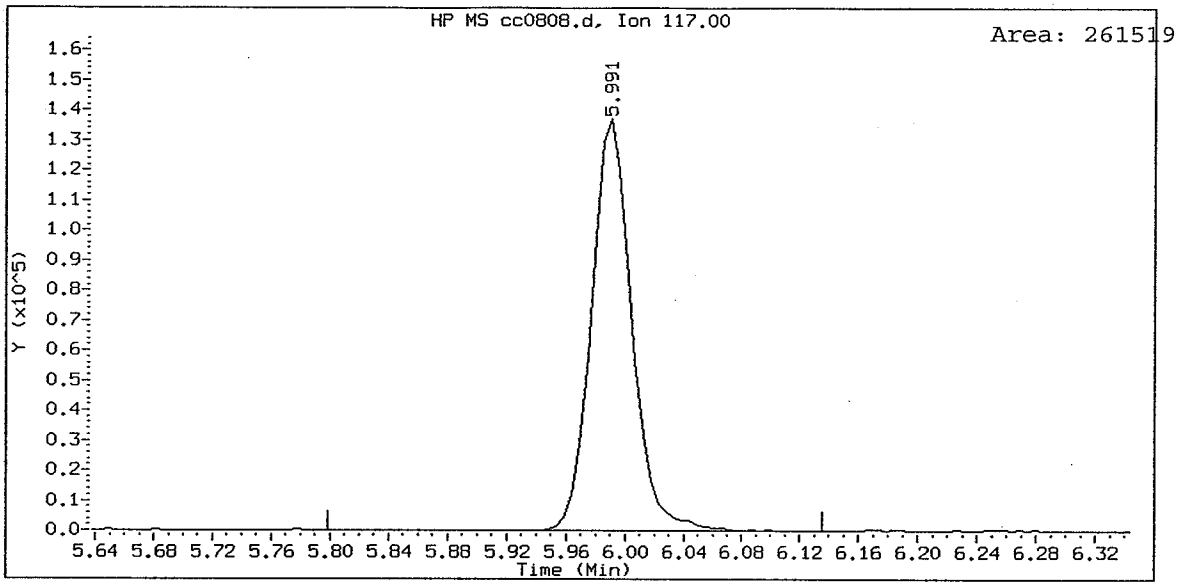
2-Methylphenol Amount: 24.41

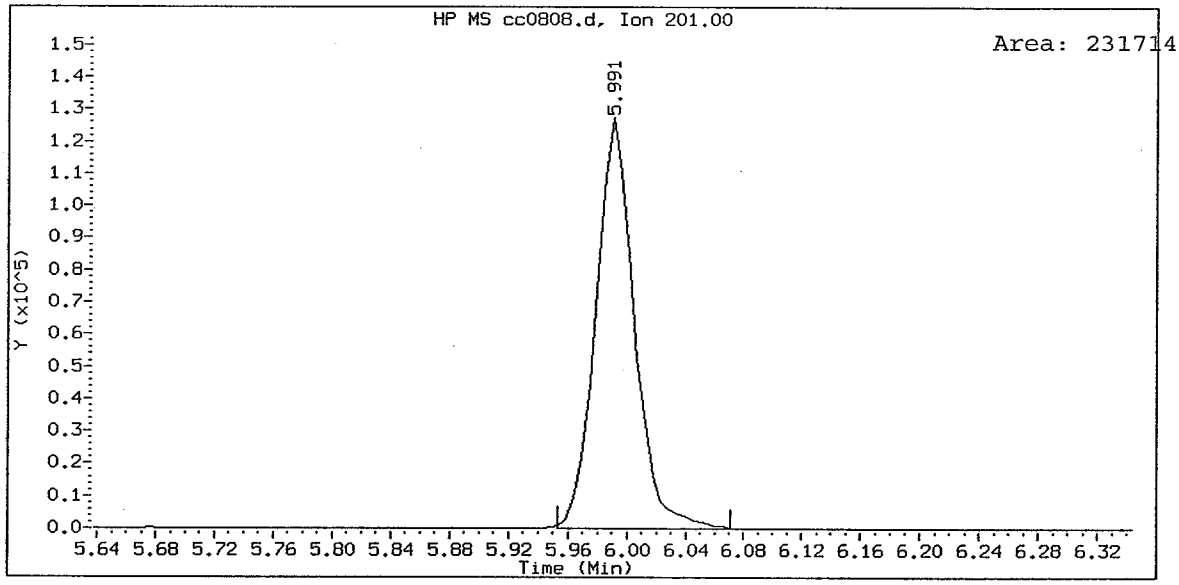


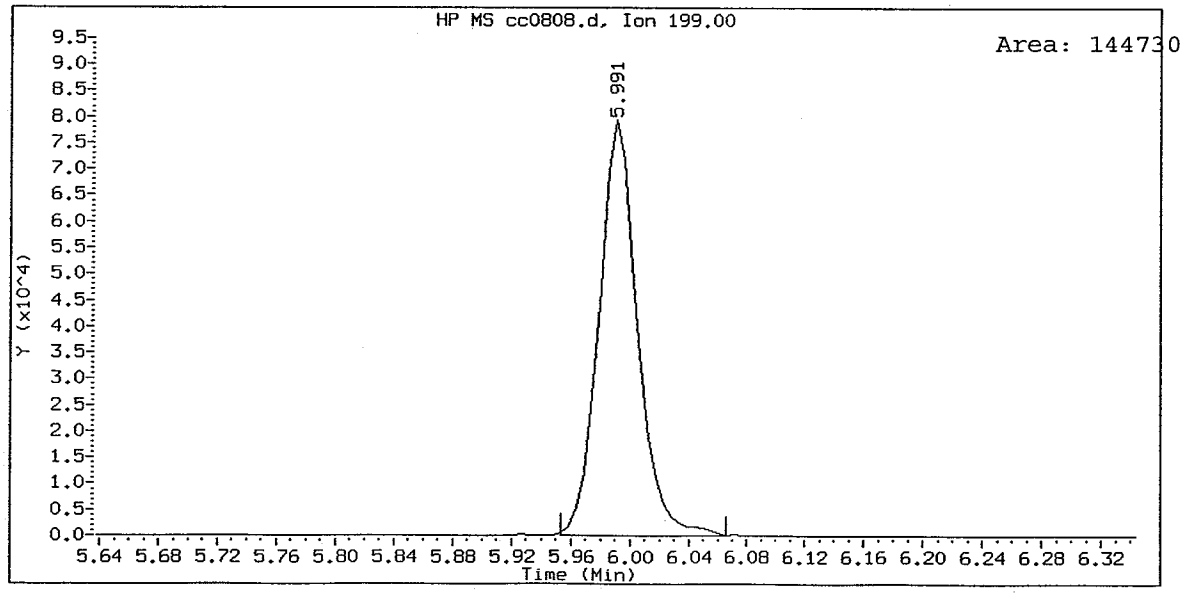




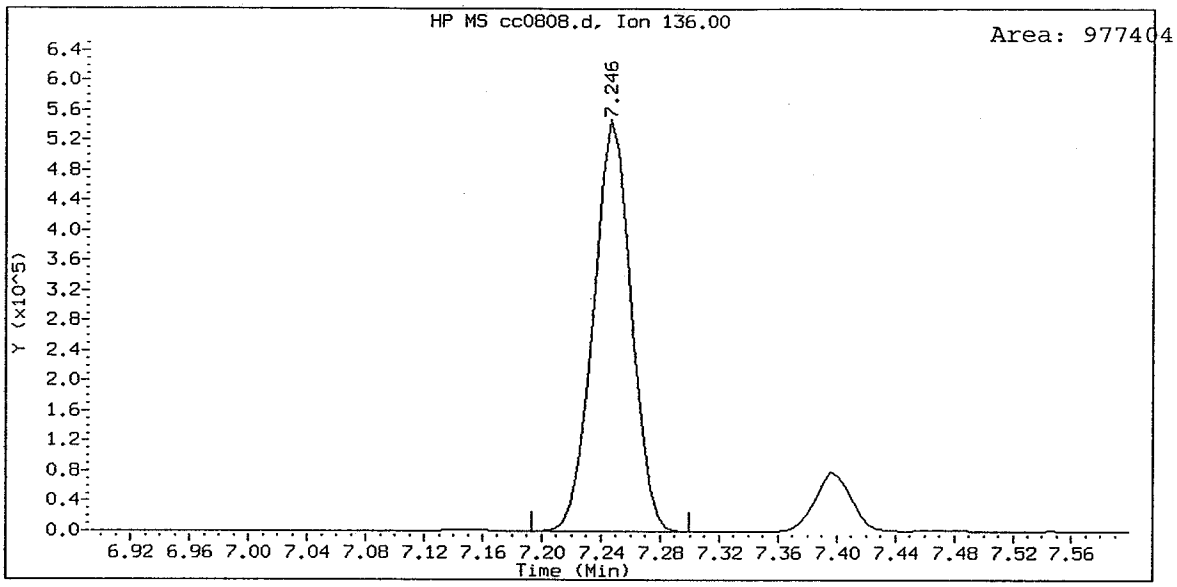
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Hexachloroethane Amount: 25.35

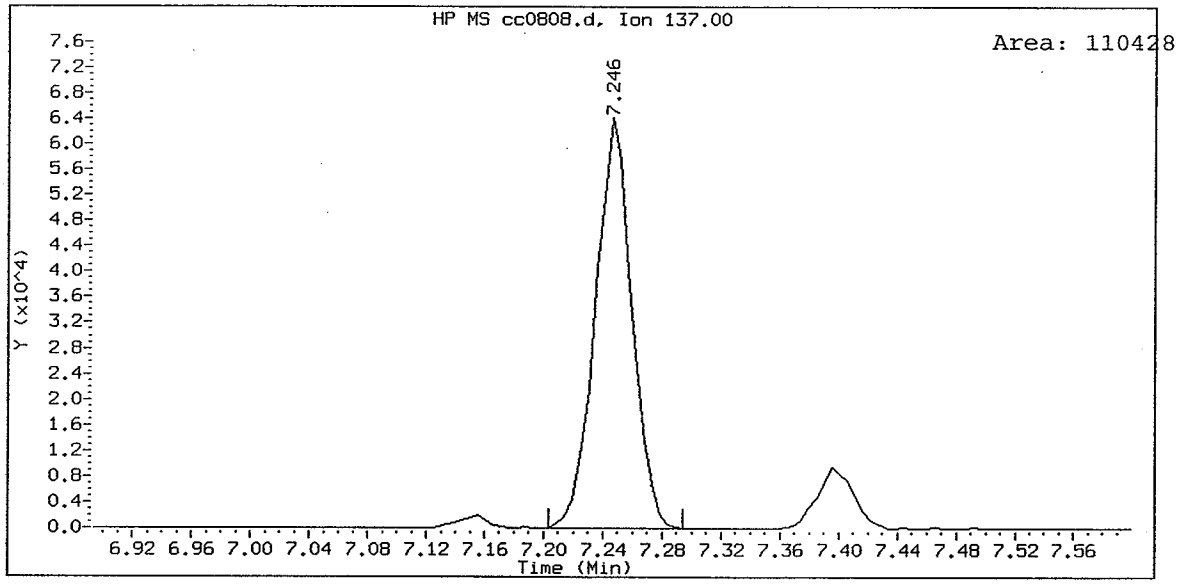


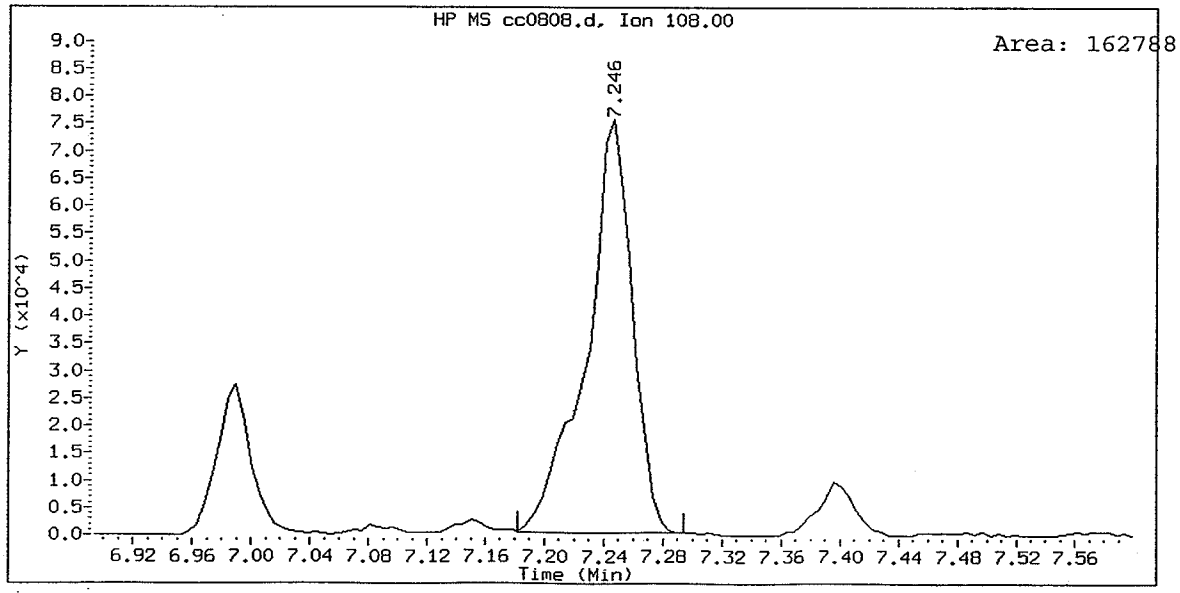




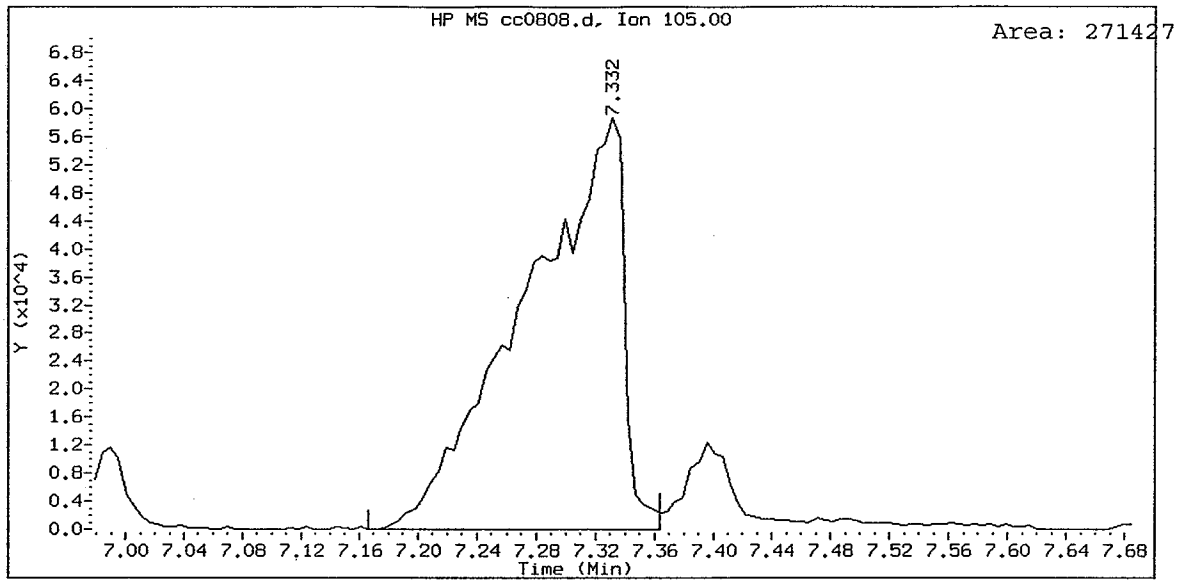
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Naphthalene-d8 Amount: 20.00

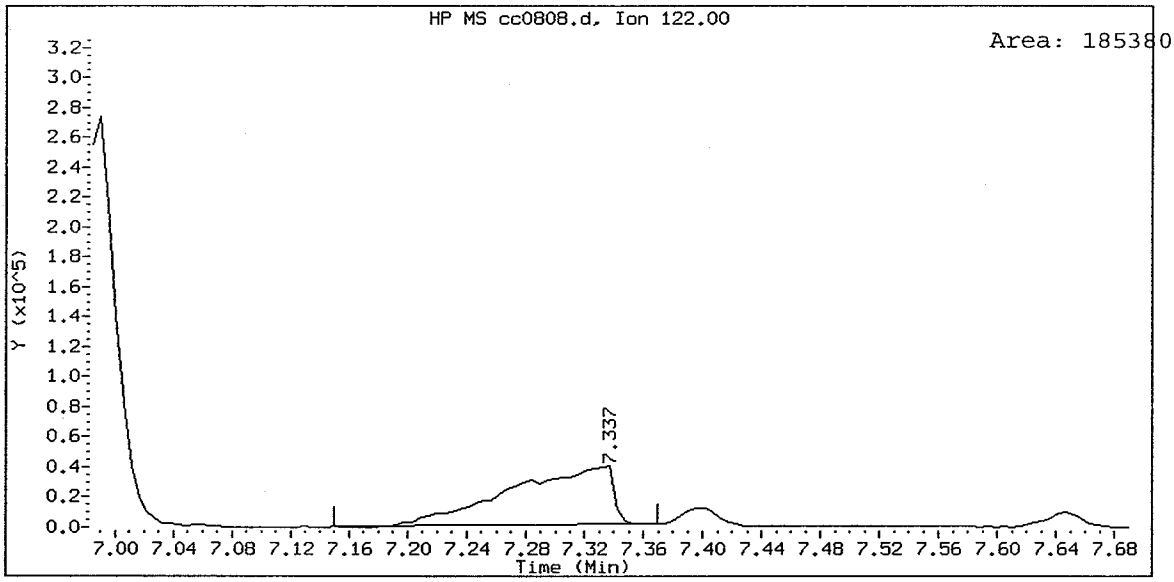


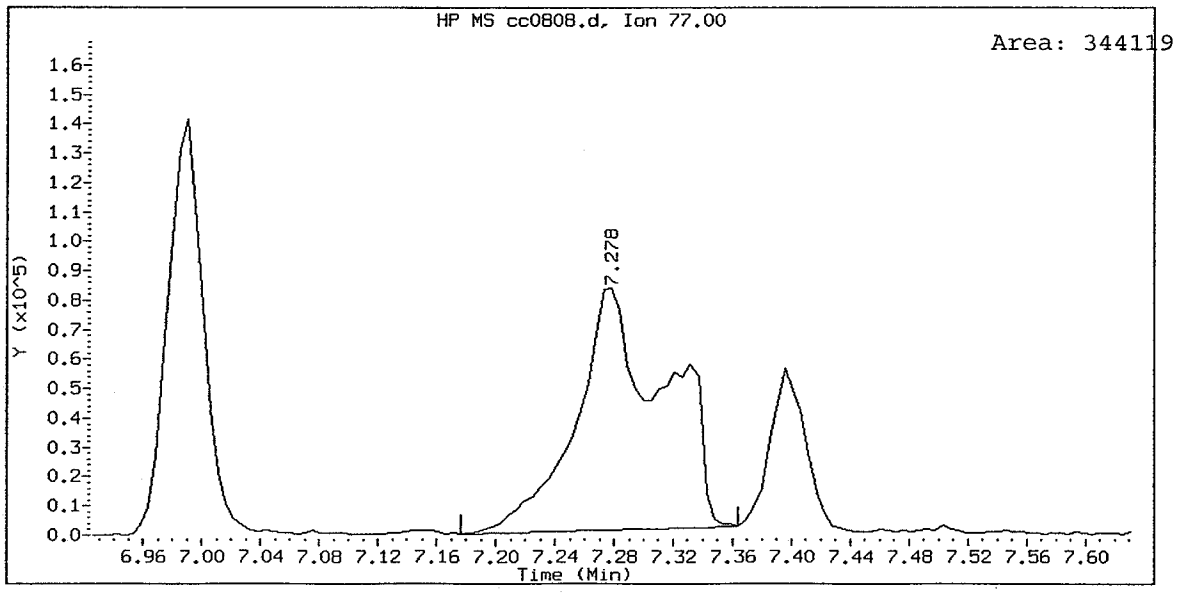




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzoic acid Amount: 23.07







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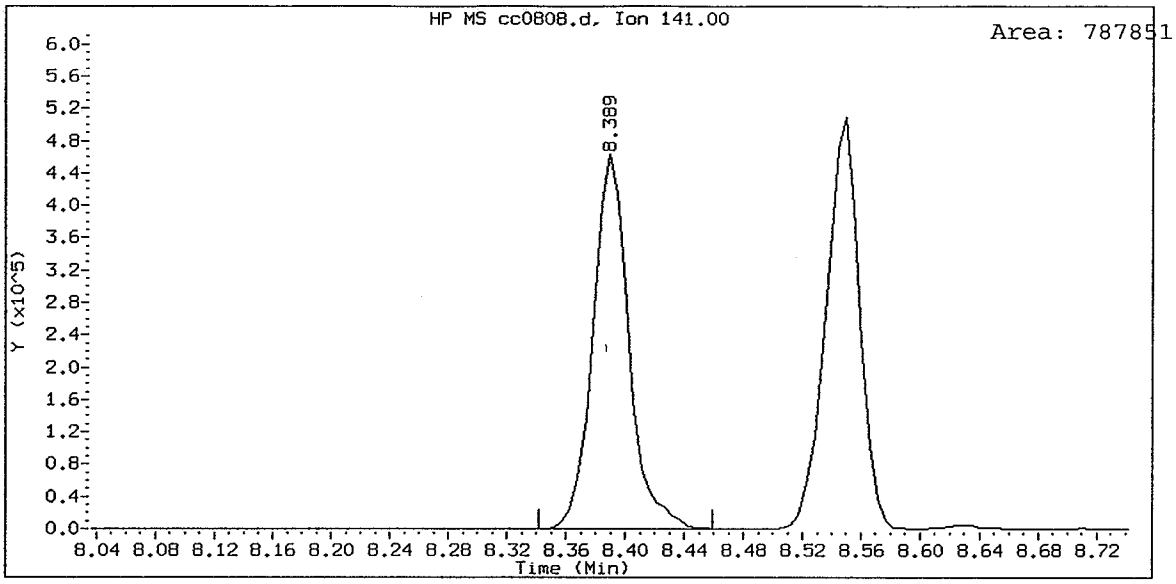
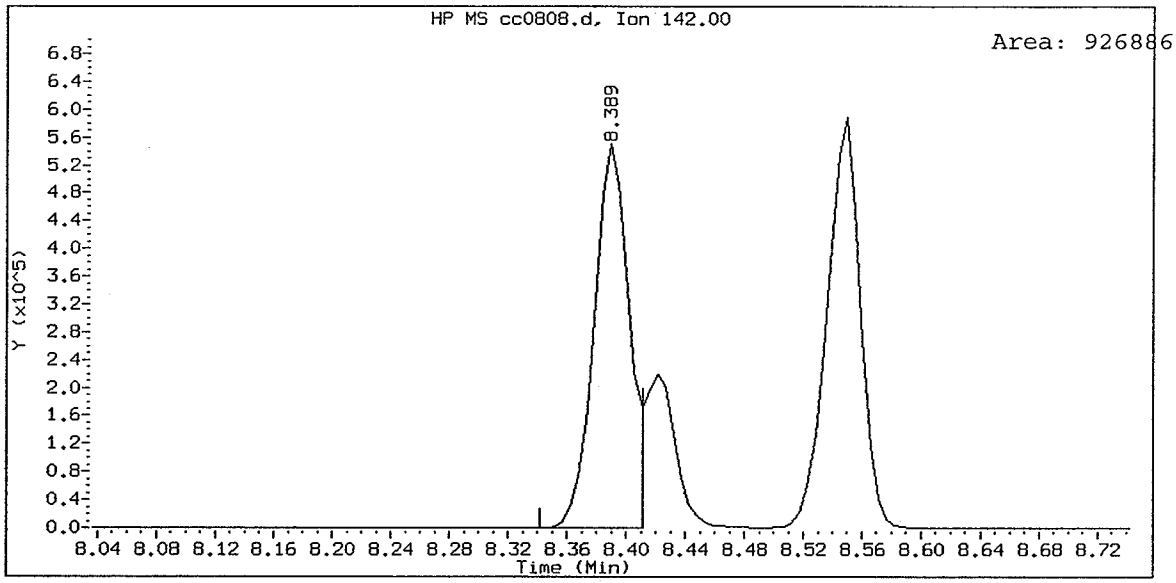
2-Methylnaphthalene Amount: 24.52





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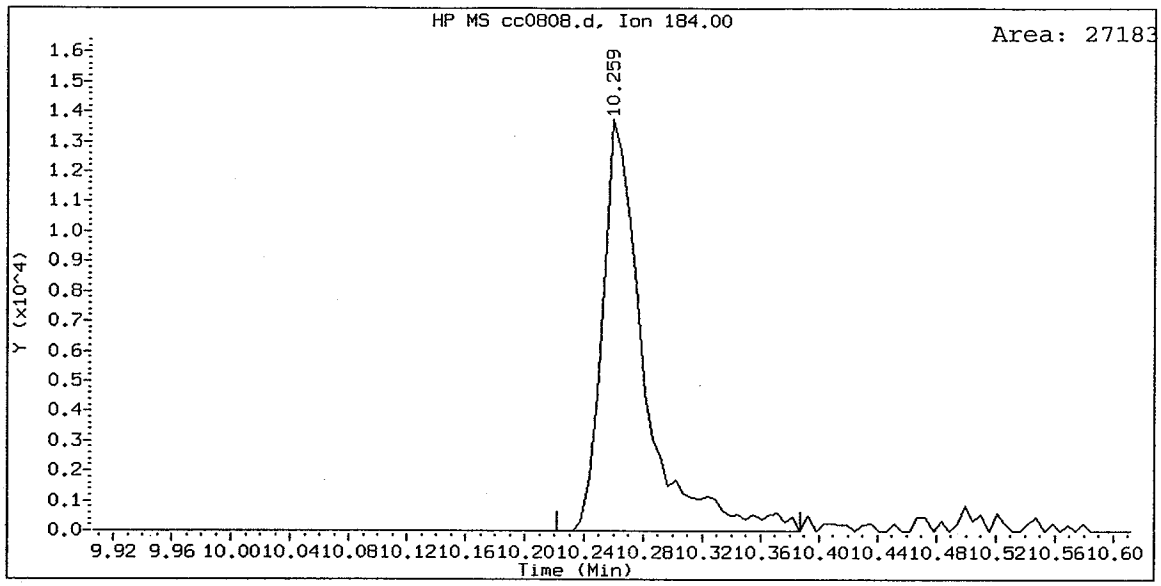
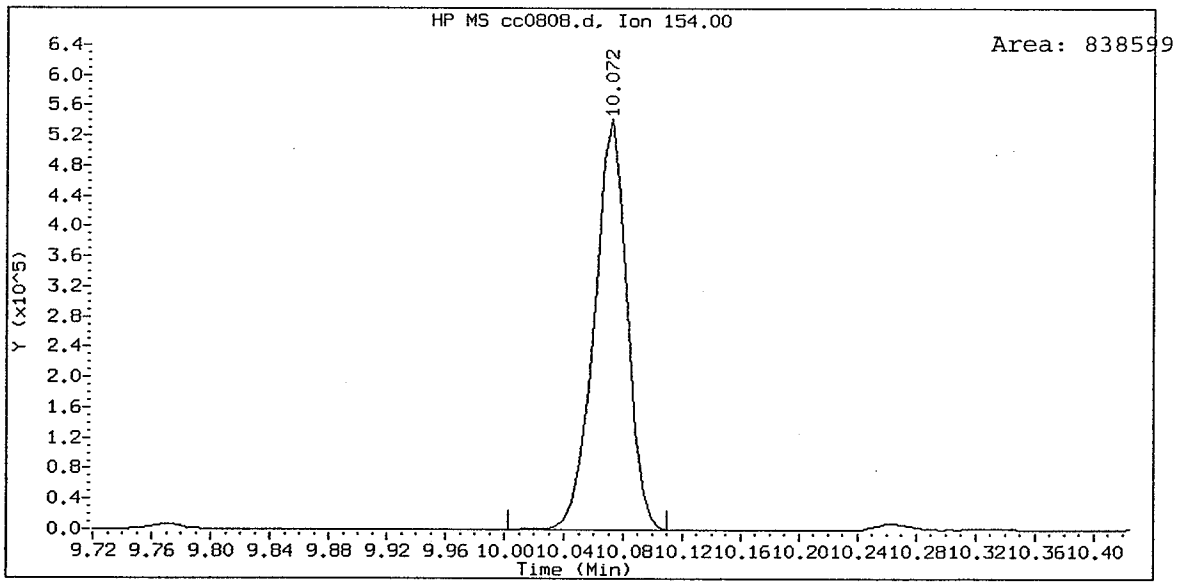
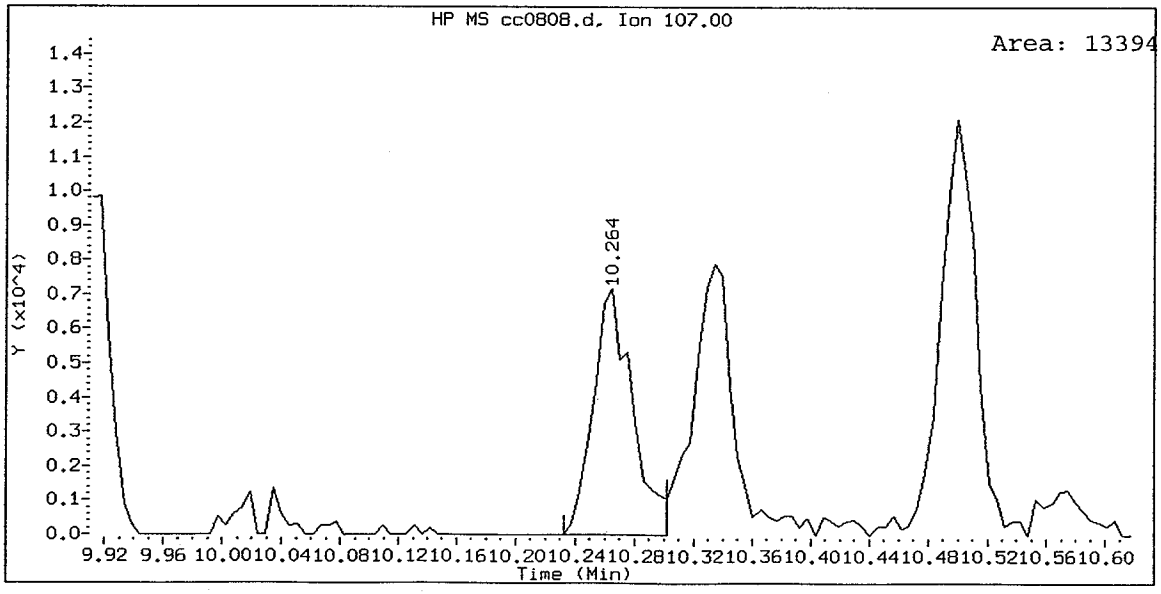
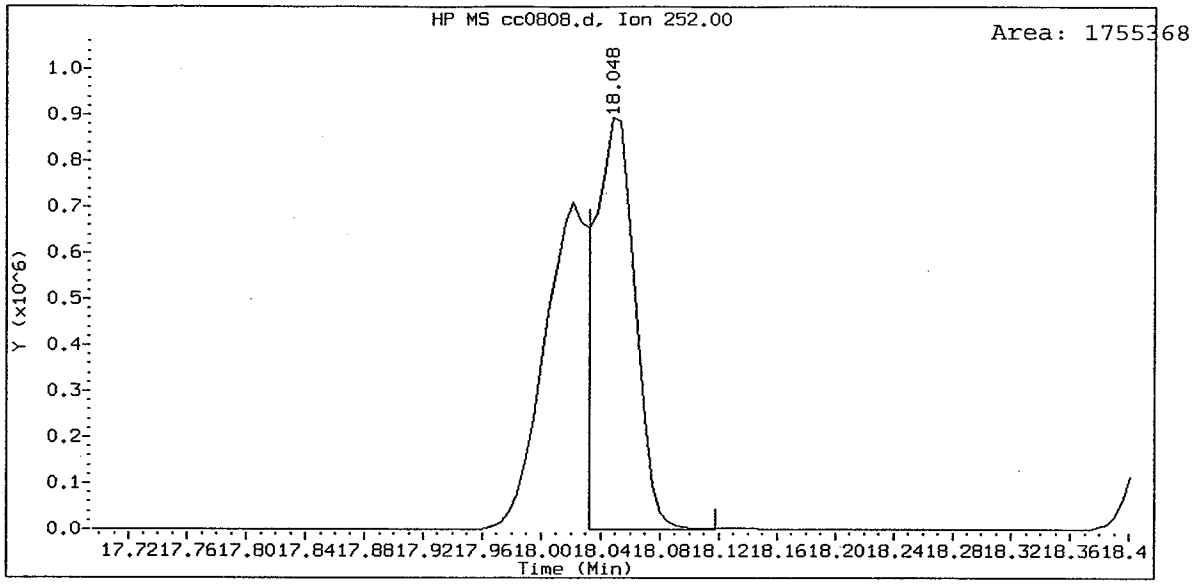
2,4-Dinitrophenol Amount: 16.21

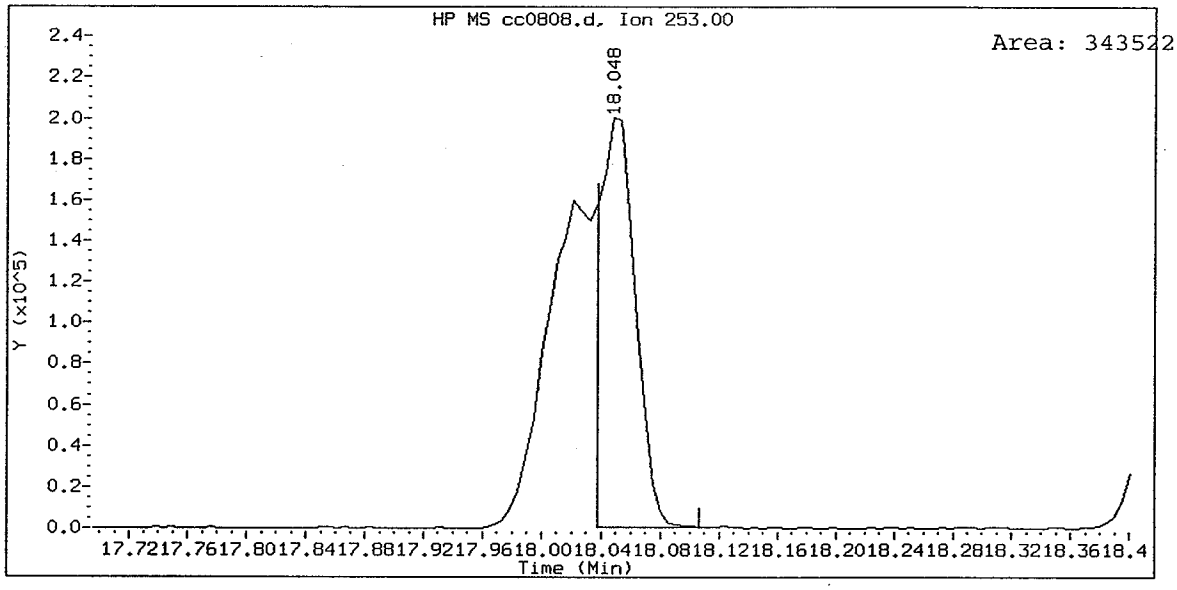


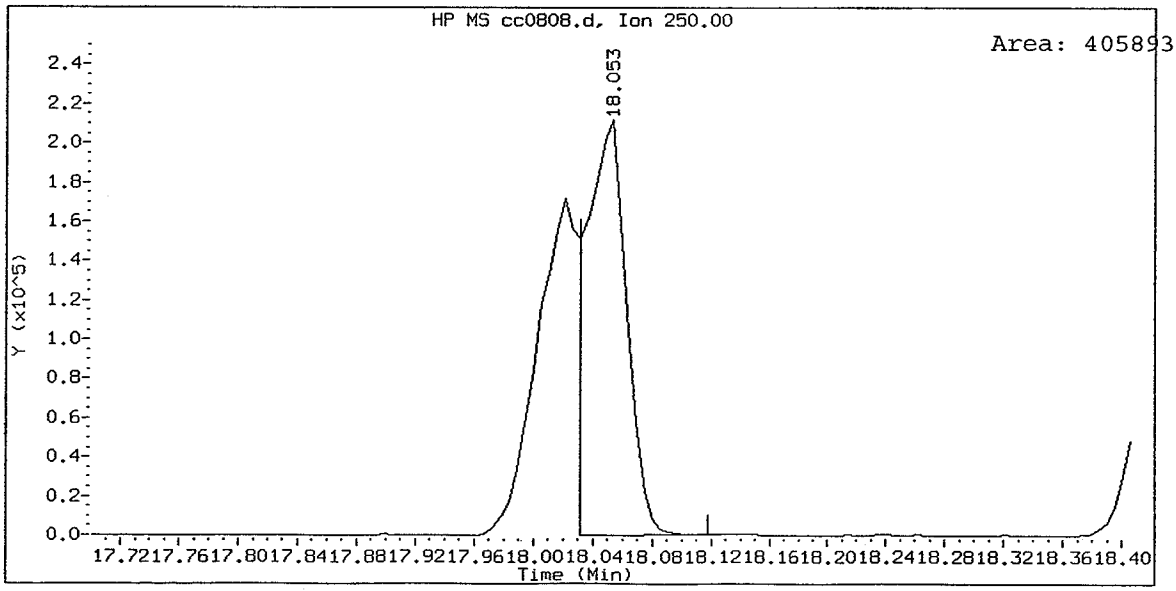




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzo(k)fluoranthene Amount: 30.86







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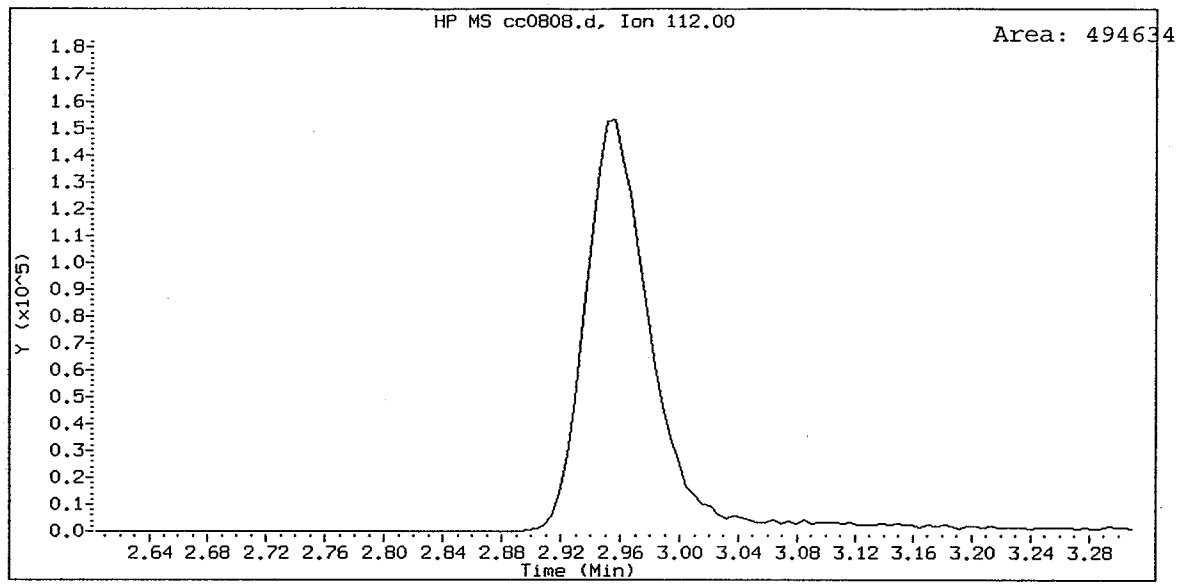
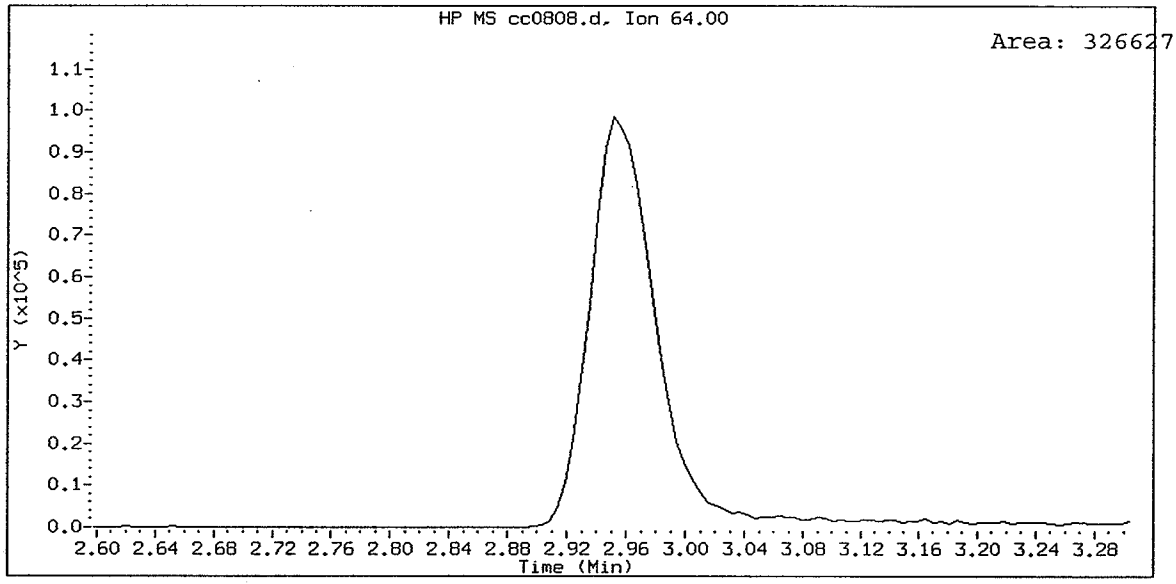
2-Fluorophenol Amount: 23.55





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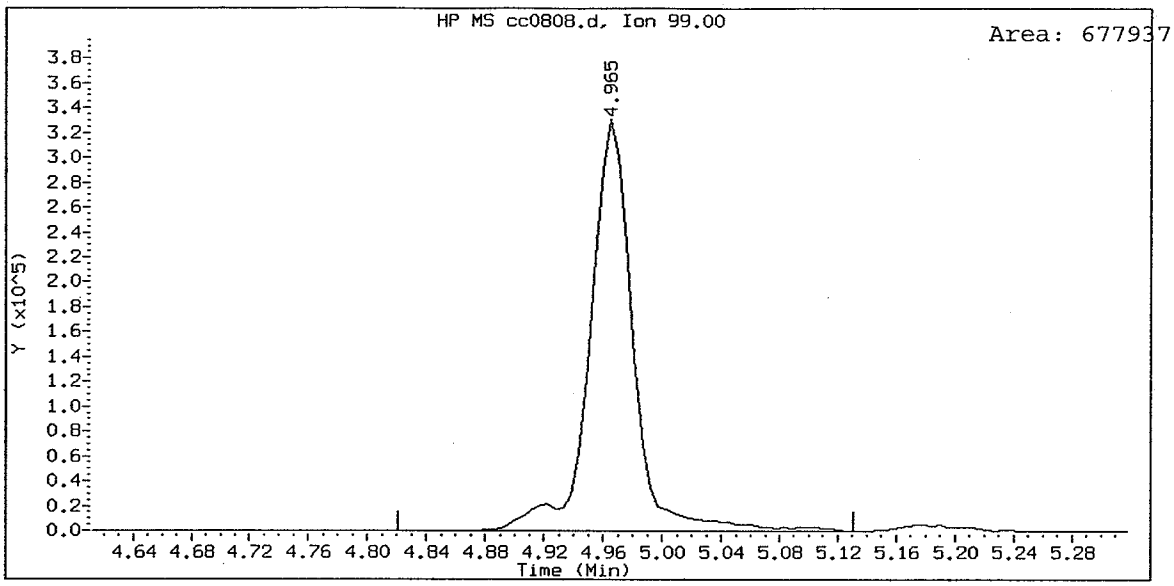
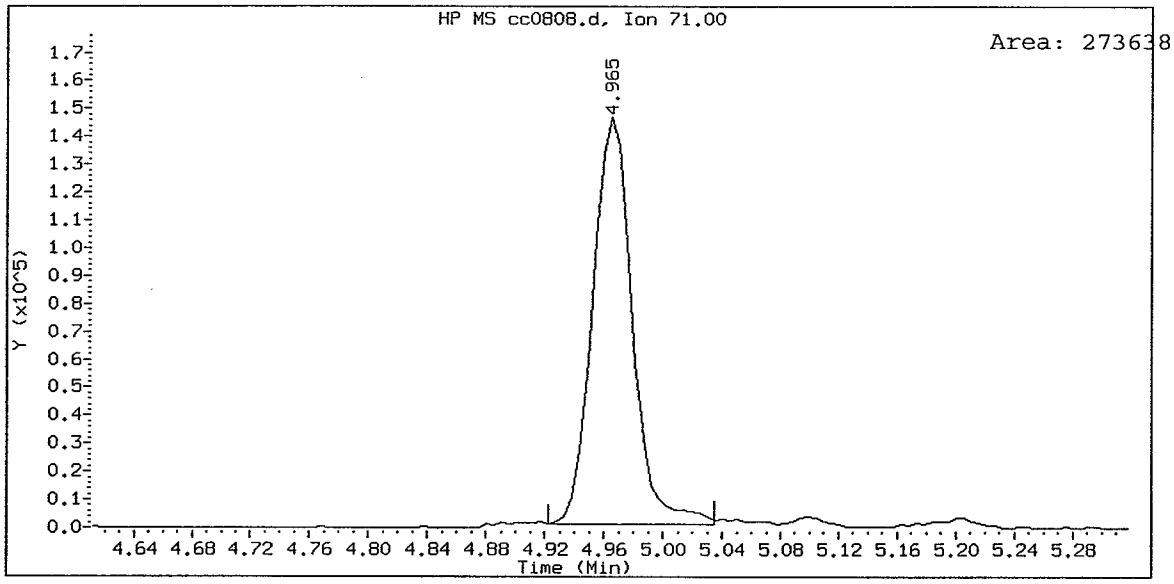
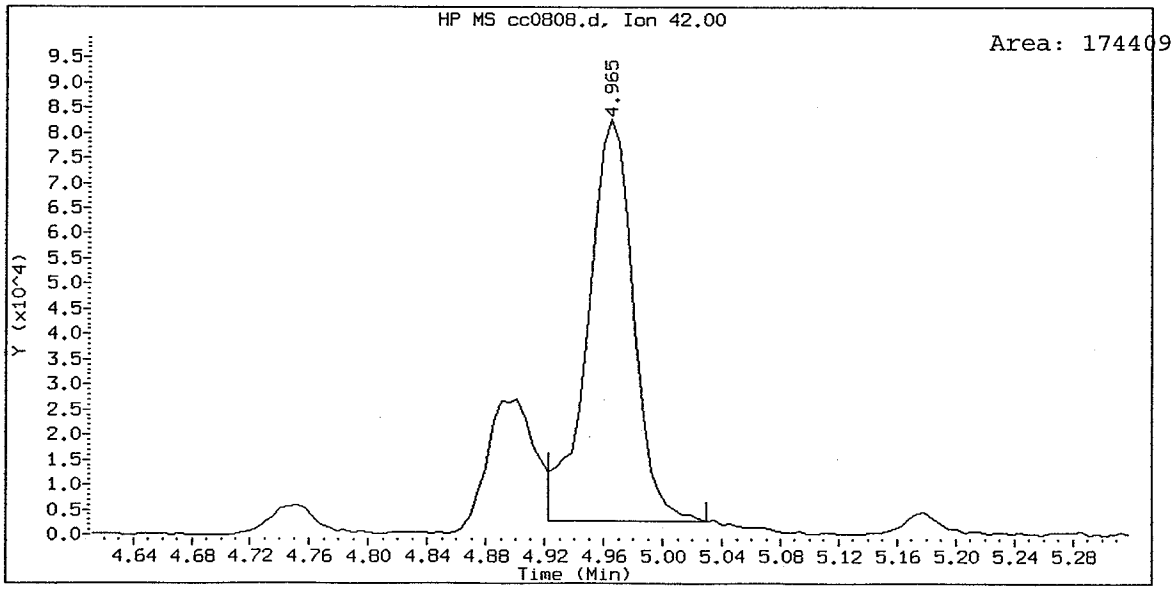
Phenol-d5 Amount: 26.64







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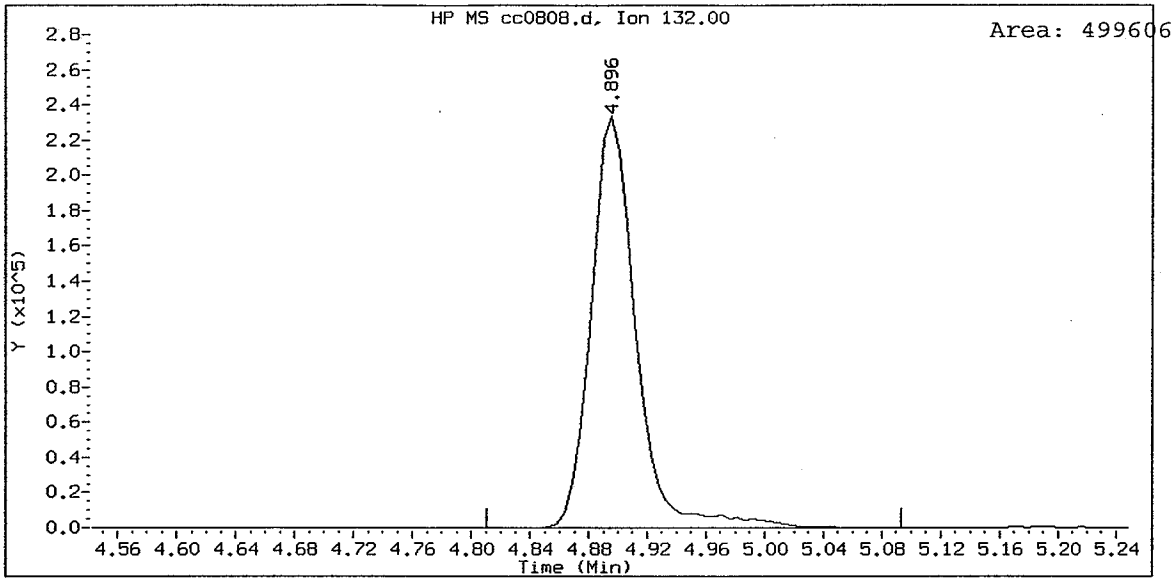
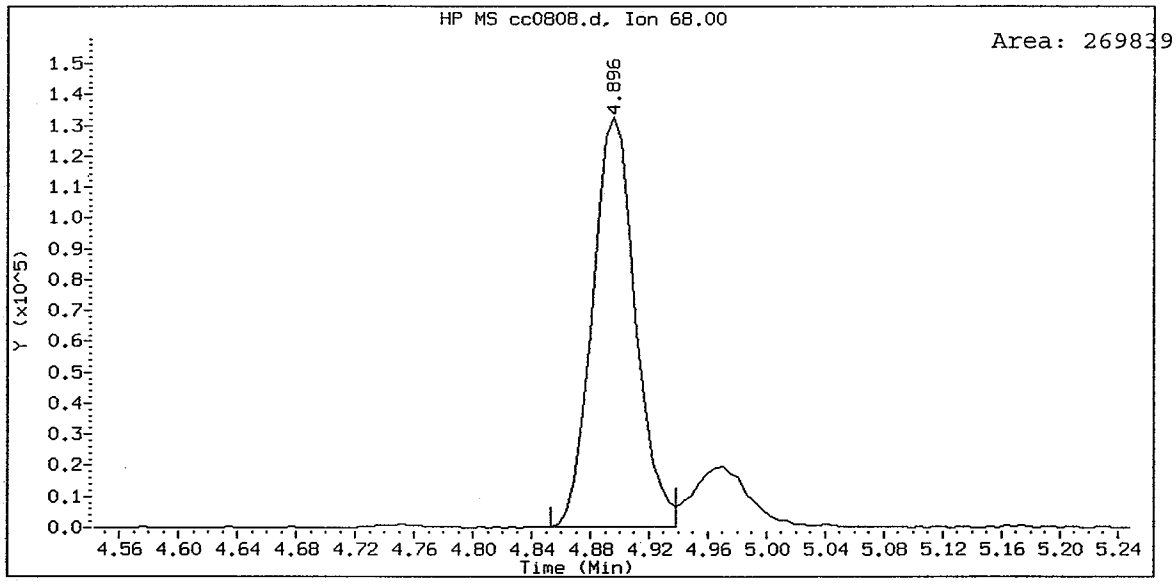
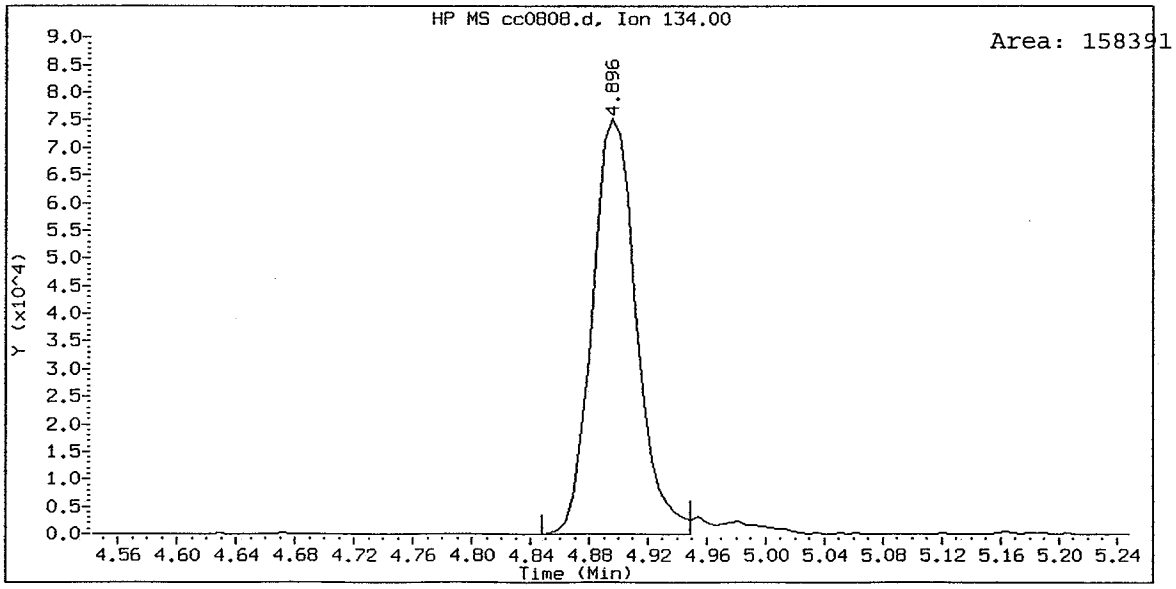
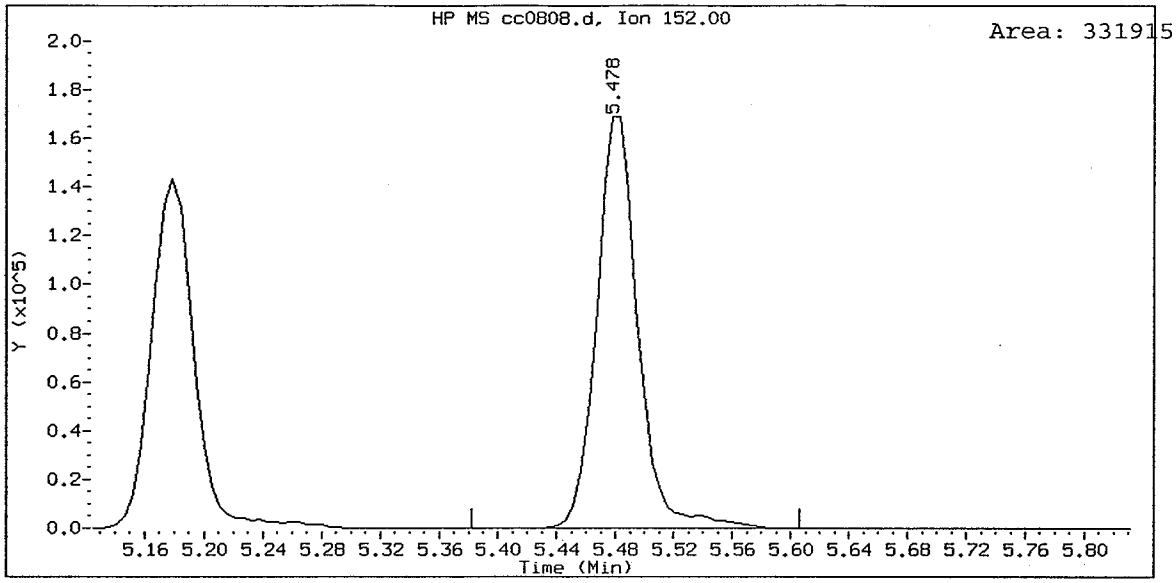
2-Chlorophenol-d4 Amount: 23.15

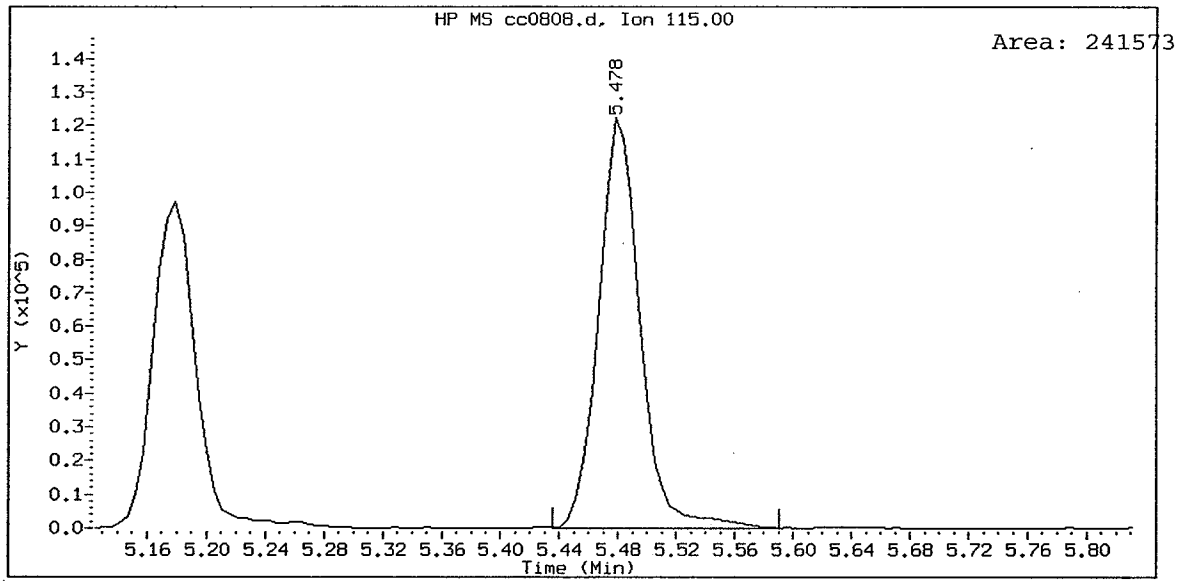


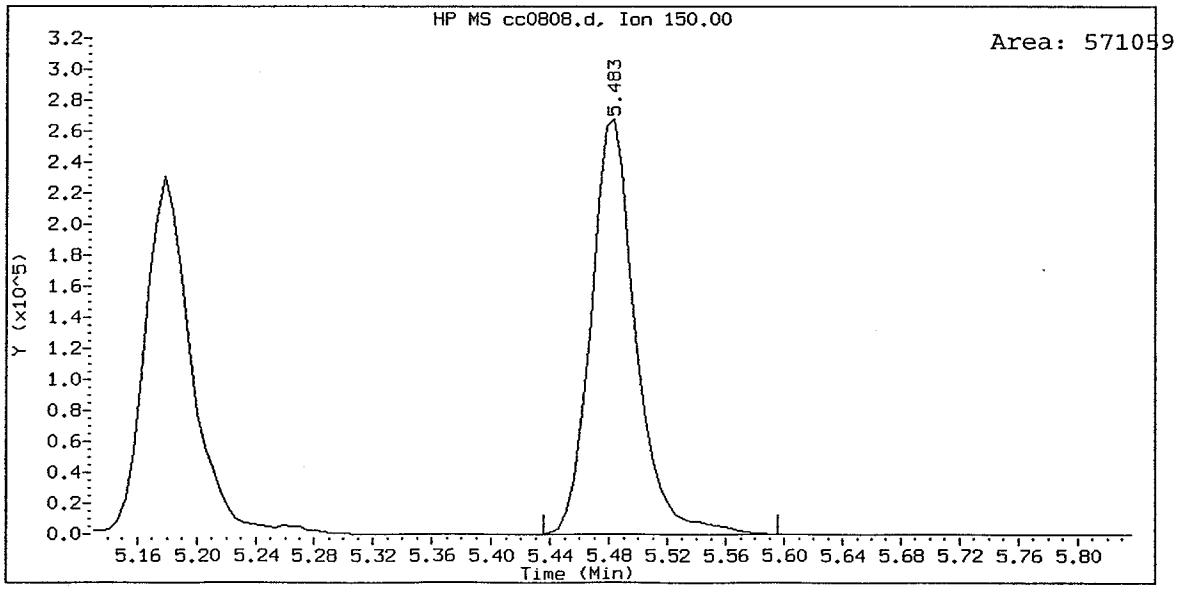




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,2-Dichlorobenzene-d4 Amount: 23.86







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

Data file: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d
Method: /chem1/nt6.i/20060808.b/ddt.b/sw846ddt.m
Analysis Date: 08-AUG-2006 13:13

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.193	179265
Benzidine	14.527	401423
4,4'-DDE	----	----
4,4'-DDD	15.441	39840
4,4'-DDT	15.895	339709

LJK 8/9/06

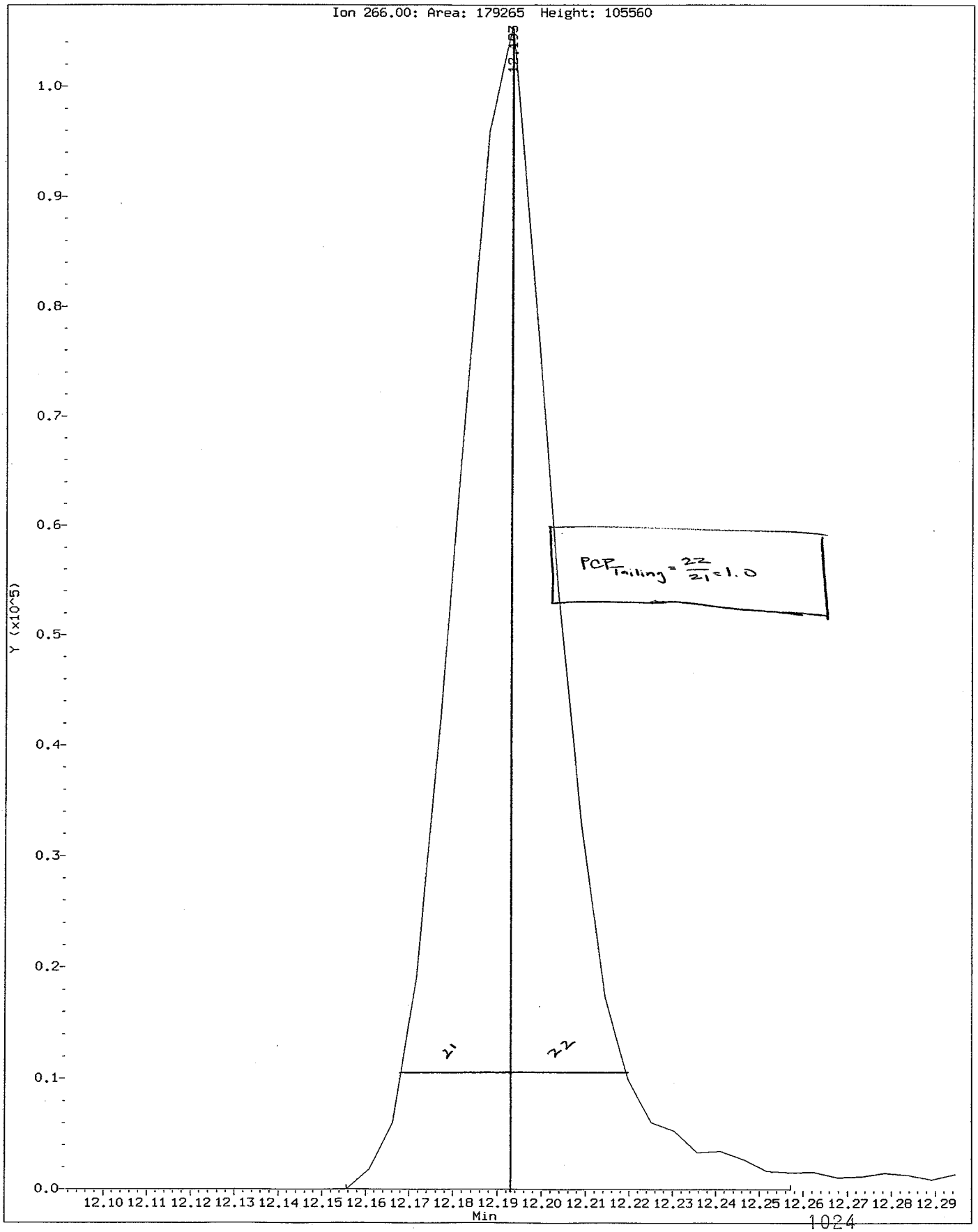
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 39840) * 100}{(0 + 39840 + 339709)}$$

DDT Percent Breakdown = 10.5 %

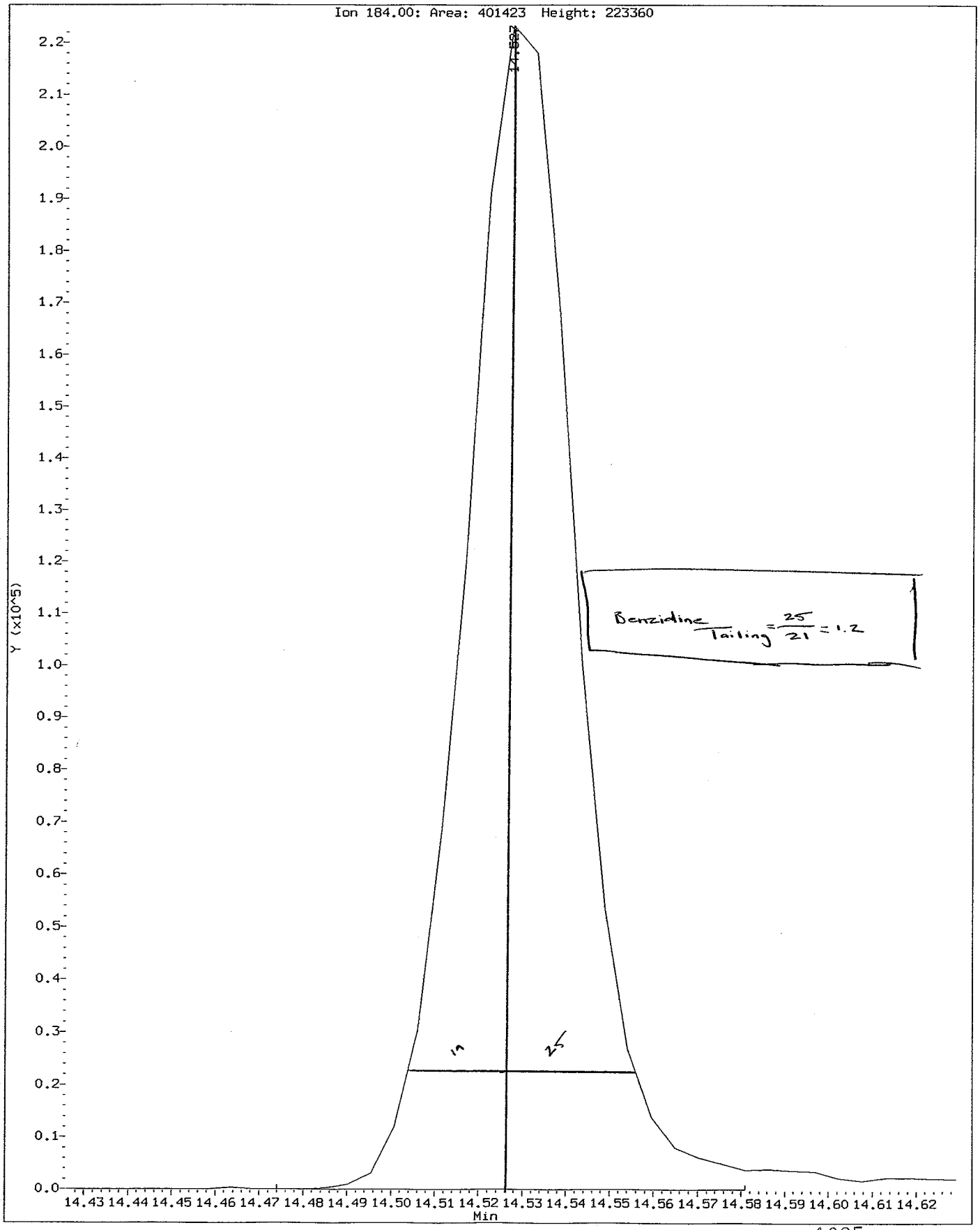
Data File: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d
Injection Date: 08-AUG-2006 13:13
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d
Injection Date: 08-AUG-2006 13:13
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: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/09/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0922

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
Phenol	2.228	2.207	0.100	0.9	20.0
Bis(2-Chloroethyl)ether	1.658	1.501	0.100	9.5	
2-Chlorophenol	1.533	1.512	0.100	1.4	
1,3-Dichlorobenzene	1.667	1.557	0.100	6.6	
1,4-Dichlorobenzene	1.712	1.631	0.100	4.7	20.0
1,2-Dichlorobenzene	1.646	1.589	0.100	3.5	
Benzyl alcohol	1.062	0.991	0.100	6.7	
2,2'-oxybis(1-Chloropropane)	2.030	1.692	0.100	16.6	
2-Methylphenol	1.466	1.471	0.100	-0.3	
Hexachloroethane	0.725	0.748	0.100	-3.2	
N-Nitroso-di-n-propylamine	1.403	1.367	0.050	2.6	
4-Methylphenol	1.512	1.661	0.100	-9.8	
Nitrobenzene	0.594	0.815	0.100	-37.2	
Isophorone	0.932	0.947	0.100	-1.6	
2-Nitrophenol	0.219	0.210	0.100	4.1	20.0
2,4-Dimethylphenol	0.456	0.459	0.100	-0.6	
Bis(2-Chloroethoxy)methane	0.519	0.504	0.100	2.9	
2,4-Dichlorophenol	0.333	0.346	0.100	-3.9	20.0
1,2,4-Trichlorobenzene	0.384	0.403	0.100	-4.9	
Naphthalene	1.216	1.186	0.100	2.5	
Benzoic acid	0.241	0.292	0.100	-21.2	
4-Chloroaniline	0.490	0.470	0.100	4.1	
Hexachlorobutadiene	0.241	0.256	0.100	-6.2	20.0
4-Chloro-3-methylphenol	0.376	0.385	0.100	-2.4	20.0
2-Methylnaphthalene	0.658	0.632	0.100	4.0	
Hexachlorocyclopentadiene	0.267	0.358	0.050	-34.1	
2,4,6-Trichlorophenol	0.446	0.479	0.100	-7.4	20.0
2,4,5-Trichlorophenol	0.463	0.514	0.100	-11.0	
2-Chloronaphthalene	1.312	1.324	0.100	-0.9	
2-Nitroaniline	0.535	0.537	0.100	-0.4	
Acenaphthylene	2.028	1.939	0.100	4.4	
Dimethylphthalate	1.392	1.362	0.100	2.2	
2,6-Dinitrotoluene	0.317	0.307	0.100	3.2	
Acenaphthene	1.284	1.285	0.100	-0.1	20.0
3-Nitroaniline	0.339	0.328	0.100	3.2	
2,4-Dinitrophenol	0.061	0.121	0.050	-98.4	
Dibenzofuran	1.767	1.908	0.100	-8.0	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/09/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0922

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
4-Nitrophenol	0.221	0.267	0.050	-20.8	
2,4-Dinitrotoluene	0.403	0.385	0.100	4.5	
Fluorene	1.433	1.462	0.100	-2.0	
4-Chlorophenyl-phenylether	0.753	0.776	0.100	-3.0	
Diethylphthalate	1.345	1.320	0.100	1.8	
4-Nitroaniline	0.298	0.280	0.100	6.0	
4,6-Dinitro-2-methylphenol	0.116	0.149	0.100	-28.4	
N-Nitrosodiphenylamine(1)	0.687	0.729	0.100	-6.1	
4-Bromophenyl-phenylether	0.281	0.298	0.100	-6.0	
Hexachlorobenzene	0.294	0.291	0.100	1.0	
Pentachlorophenol	0.160	0.168	0.100	-5.0	20.0
Phenanthrene	1.331	1.329	0.100	0.2	
Anthracene	1.337	1.317	0.100	1.5	
Carbazole	1.076	1.060	0.100	1.5	
Di-n-butylphthalate	1.289	1.291	0.100	-0.2	
Fluoranthene	1.312	1.308	0.100	0.3	20.0
Pyrene	1.684	1.634	0.100	3.0	
Butylbenzylphthalate	0.625	0.642	0.100	-2.7	
Benzo(a)anthracene	1.510	1.507	0.100	0.2	
3,3'-Dichlorobenzidine	0.545	0.455	0.100	16.5	
Chrysene	1.501	1.420	0.100	5.4	
bis(2-Ethylhexyl)phthalate	0.505	0.557	0.100	-10.3	
Di-n-octylphthalate	0.955	0.923	0.100	3.4	20.0
Benzo(b)fluoranthene	1.313	1.284	0.100	2.2	
Benzo(k)fluoranthene	1.358	1.890	0.100	-39.2	
Benzo(a)pyrene	1.264	1.360	0.100	-7.6	20.0
Indeno(1,2,3-cd)pyrene	1.538	1.498	0.100	2.6	
Dibenzo(a,h)anthracene	1.510	1.550	0.100	-2.6	
Benzo(g,h,i)perylene	1.610	1.692	0.100	-5.1	
N-Nitrosodimethylamine	1.079	0.002	0.100	99.8	
Aniline	2.630	2.451	0.100	6.8	
Benzidine	0.579	0.315	0.100	45.6	
Pyridine	2.210	0.003	0.100	99.9	
1-methylnaphthalene	0.687	0.679	0.100	1.2	
Azobenzene (1,2-DP-Hydrazine	1.957	2.233	0.100	-14.1	

(1) Cannot be separated from Diphenylamine

<- Outside QC limits

FORM VII SV-2

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ35 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/09/06

Init. Calib. Date: 07/05/06 — Cont. Calib. Time: 0922

COMPOUND	$\overline{RRF}$	RRF25	MIN RRF	%D	MAX %D
2-Fluorophenol	1.476	1.373	0.100	7.0	
Phenol-d5	1.788	1.922	0.100	-7.5	
2-Chlorophenol-d4	1.516	1.414	0.100	6.7	
1,2-Dichlorobenzene-d4	0.977	0.935	0.100	4.3	
Nitrobenzene-d5	0.541	0.557	0.100	-3.0	
2-Fluorobiphenyl	1.493	1.462	0.100	2.1	
2,4,6-Tribromophenol	0.192	0.194	0.100	-1.0	
Terphenyl-d14	1.059	1.060	0.100	-0.1	

<- Outside QC limits

FORM VII SV-3

Data File: /chem1/nt6.i/20060809.b/cc0809.d
Report Date: 09-Aug-2006 16:38

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0809.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060809.b/SW846.m

Injection Date: 09-AUG-2006 09:22
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.47580	1.37299	1.37299	0.010	6.96690	100	Averaged
$ 2 Phenol-d5	1.78819	1.92167	1.92167	0.010	-7.46468	100	Averaged
3 Phenol	2.22821	2.20728	2.20728	0.010	0.93947	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.51624	1.41443	1.41443	0.010	6.71455	100	Averaged
4 Bis(2-Chloroethyl)ether	1.65790	1.50147	1.50147	0.010	9.43560	100	Averaged
6 2-Chlorophenol	1.53316	1.51221	1.51221	0.010	1.36645	100	Averaged
7 1,3-Dichlorobenzene	1.66660	1.55722	1.55722	0.010	6.56299	100	Averaged
9 1,4-Dichlorobenzene	1.71261	1.63125	1.63125	0.010	4.75064	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97741	0.93504	0.93504	0.010	4.33454	100	Averaged
12 1,2-Dichlorobenzene	1.64652	1.58938	1.58938	0.010	3.46984	100	Averaged
11 Benzyl alcohol	1.06159	0.99109	0.99109	0.010	6.64130	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.03046	1.69220	1.69220	0.010	16.65933	100	Averaged
13 2-Methylphenol	1.46609	1.47088	1.47088	0.010	-0.32672	100	Averaged
17 Hexachloroethane	0.72499	0.74840	0.74840	0.010	-3.22921	100	Averaged
16 N-Nitroso-di-n-propylamine	1.40318	1.36721	1.36721	0.050	2.56352	100	Averaged
15 4-Methylphenol	1.51200	1.66108	1.66108	0.010	-9.85994	100	Averaged
$ 18 Nitrobenzene-d5	0.54142	0.55681	0.55681	0.010	-2.84205	100	Averaged
19 Nitrobenzene	0.59443	0.81497	0.81497	0.010	-37.10025	100	Averaged
20 Isophorone	0.93231	0.94696	0.94696	0.010	-1.57125	100	Averaged
21 2-Nitrophenol	0.21868	0.20989	0.20989	0.010	4.02103	20.00000	Averaged
22 2,4-Dimethylphenol	0.45615	0.45881	0.45881	0.010	-0.58355	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.51940	0.50421	0.50421	0.010	2.92427	100	Averaged
24 Benzoic acid	0.24076	0.29175	0.29175	0.010	-21.17894	100	Averaged
25 2,4-Dichlorophenol	0.33308	0.34558	0.34558	0.010	-3.75177	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.38416	0.40321	0.40321	0.010	-4.96052	100	Averaged
28 Naphthalene	1.21584	1.18639	1.18639	0.010	2.42229	100	Averaged
29 4-Chloroaniline	0.49036	0.47000	0.47000	0.010	4.15121	100	Averaged
30 Hexachlorobutadiene	0.24135	0.25586	0.25586	0.010	-6.01035	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.37629	0.38482	0.38482	0.010	-2.26741	20.00000	Averaged
32 2-Methylnaphthalene	0.65760	0.63252	0.63252	0.010	3.81371	100	Averaged
33 Hexachlorocyclopentadiene	0.26698	0.35767	0.35767	0.050	-33.97096	100	Averaged
34 2,4,6-Trichlorophenol	0.44546	0.47932	0.47932	0.010	-7.60096	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.46295	0.51448	0.51448	0.010	-11.13247	100	Averaged
$ 36 2-Fluorobiphenyl	1.49334	1.46255	1.46255	0.010	2.06203	100	Averaged
37 2-Chloronaphthalene	1.31189	1.32362	1.32362	0.010	-0.89398	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0809.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060809.b/SW846.m

Injection Date: 09-AUG-2006 09:22
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.53527	0.53746	0.53746	0.010	-0.40946	100	Averaged
39 Dimethylphthalate	1.39220	1.36217	1.36217	0.010	2.15688	100	Averaged
40 Acenaphthylene	2.02846	1.93894	1.93894	0.010	4.41315	100	Averaged
41 2,6-Dinitrotoluene	0.31738	0.30725	0.30725	0.010	3.19110	100	Averaged
43 3-Nitroaniline	0.33922	0.32783	0.32783	0.010	3.35577	100	Averaged
44 Acenaphthene	1.28428	1.28542	1.28542	0.010	-0.08848	20.00000	Averaged
45 2,4-Dinitrophenol	0.06160	0.12107	0.12107	0.050	-96.53710	100	Averaged
46 Dibenzofuran	1.76701	1.90842	1.90842	0.010	-8.00317	100	Averaged
47 4-Nitrophenol	0.22074	0.26716	0.26716	0.050	-21.02600	100	Averaged
48 2,4-Dinitrotoluene	0.40267	0.38511	0.38511	0.010	4.36022	100	Averaged
50 Diethylphthalate	1.34468	1.31972	1.31972	0.010	1.85588	100	Averaged
49 Fluorene	1.43339	1.46253	1.46253	0.010	-2.03306	100	Averaged
51 4-Chlorophenyl-phenylether	0.75298	0.77630	0.77630	0.010	-3.09759	100	Averaged
52 4-Nitroaniline	0.29776	0.28057	0.28057	0.010	5.77283	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.11636	0.14940	0.14940	0.010	-28.40101	100	Averaged
54 N-Nitrosodiphenylamine	0.68692	0.72871	0.72871	0.010	-6.08472	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.19232	0.19386	0.19386	0.010	-0.80029	100	Averaged
56 4-Bromophenyl-phenylether	0.28074	0.29855	0.29855	0.010	-6.34580	100	Averaged
57 Hexachlorobenzene	0.29422	0.29089	0.29089	0.010	1.13169	100	Averaged
58 Pentachlorophenol	0.16025	0.16778	0.16778	0.010	-4.69974	20.00000	Averaged
60 Phenanthrene	1.33142	1.32913	1.32913	0.010	0.17201	100	Averaged
61 Anthracene	1.33663	1.31729	1.31729	0.010	1.44704	100	Averaged
62 Carbazole	1.07599	1.06055	1.06055	0.010	1.43494	100	Averaged
63 Di-n-butylphthalate	1.28884	1.29116	1.29116	0.010	-0.17987	100	Averaged
64 Fluoranthene	1.31268	1.30859	1.30859	0.010	0.31168	20.00000	Averaged
65 Pyrene	1.68468	1.63459	1.63459	0.010	2.97333	100	Averaged
$ 66 Terphenyl-d14	1.05913	1.05953	1.05953	0.010	-0.03760	100	Averaged
67 Butylbenzylphthalate	0.62512	0.64167	0.64167	0.010	-2.64805	100	Averaged
68 Benzo(a)anthracene	1.51027	1.50677	1.50677	0.010	0.23162	100	Averaged
70 3,3'-Dichlorobenzidine	0.54465	0.45472	0.45472	0.010	16.51103	100	Averaged
71 Chrysene	1.50081	1.42032	1.42032	0.010	5.36312	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.50498	0.55679	0.55679	0.010	-10.25858	100	Averaged
73 Di-n-octylphthalate	0.95527	0.92350	0.92350	0.010	3.32605	20.00000	Averaged
74 Benzo(b)fluoranthene	1.31305	1.28406	1.28406	0.010	2.20765	100	Averaged
75 Benzo(k)fluoranthene	1.35777	1.89001	1.89001	0.010	-39.19916	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0809.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060809.b/SW846.m

Injection Date: 09-AUG-2006 09:22
Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Init. Cal. Times: 10:16 17:54
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
76 Benzo(a)pyrene	1.26379	1.36022	1.36022	0.010	-7.62985	20.00000	Averaged	
78 Indeno(1,2,3-cd)pyrene	1.53747	1.49839	1.49839	0.010	2.54220	100	Averaged	
79 Dibenzo(a,h)anthracene	1.51025	1.55057	1.55057	0.010	-2.66954	100	Averaged	
80 Benzo(g,h,i)perylene	1.60993	1.69260	1.69260	0.010	-5.13483	100	Averaged	
90 N-Nitrosodimethylamine	1.07898	0.00167	0.00167	0.010	100	100	Averaged	<-
103 Pyridine	2.21036	0.00315	0.00315	0.010	100	100	Averaged	<-
91 Aniline	2.63074	2.45108	2.45108	0.010	6.82923	100	Averaged	
105 1-methylnaphthalene	0.68742	0.67926	0.67926	0.010	1.18731	100	Averaged	
93 Benzidine	0.57928	0.31524	0.31524	0.010	45.58045	100	Averaged	
98 Retene	0.72951	0.69741	0.69741	0.010	4.40020	100	Averaged	
111 Azobenzene (1,2-DP-Hydrazin	1.95685	2.23261	2.23261	0.010	-14.09195	100	Averaged	
144 alpha-Terpineol	0.36586	0.35445	0.35445	0.010	3.11830	100	Averaged	
143 1,4-Dioxane	0.75175	0.00026	0.00026	0.010	100	100	Averaged	<-
$ 137 d8-1,4-Dioxane	0.72004	0.00082	0.00082	0.010	100	100	Averaged	<-
133 Butylatedhydroxytoluene	1.13212	1.18850	1.18850	0.010	-4.98028	100	Averaged	
115 Tributyl Phosphate	1.00449	0.97757	0.97757	0.010	2.68070	100	Averaged	
116 Dibutyl Phenyl Phosphate	0.78147	0.79314	0.79314	0.010	-1.49299	100	Averaged	
117 Butyl Diphenyl Phosphate	0.28782	0.27644	0.27644	0.010	3.95342	100	Averaged	
118 Triphenyl Phosphate	0.23863	0.19481	0.19481	0.010	18.36222	100	Averaged	

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060809.b/cc0809.d
Lab Smp Id: ABN 25
Inj Date : 09-AUG-2006 09:22
Operator : LJR
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060809.b/SW846.m
Meth Date : 09-Aug-2006 16:38 jeff
Cal Date : 19-JUL-2006 17:54
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Inst ID: nt6.i

LJR 8/9/06

Quant Type: ISTD
Cal File: 0100719d.d
Continuing Calibration Sample

Compound Sublist: ICAL.sub

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	2.823	2.823	(0.554)	557590	25.0000	23.26(M)
$	2 Phenol-d5	99	4.890	4.890	(0.959)	780419	25.0000	26.87(M)
	3 Phenol	94	4.907	4.907	(0.962)	896408	25.0000	24.77(M)
$	5 2-Chlorophenol-d4	132	4.810	4.810	(0.943)	574422	25.0000	23.32(M)
	4 Bis(2-Chloroethyl)ether	93	4.848	4.848	(0.951)	609769	25.0000	22.64
	6 2-Chlorophenol	128	4.837	4.837	(0.949)	614132	25.0000	24.66(M)
	7 1,3-Dichlorobenzene	146	5.019	5.019	(0.984)	632412	25.0000	23.36
*	8 1,4-Dichlorobenzene-d4	152	5.099	5.099	(1.000)	324892	20.0000	(M)
	9 1,4-Dichlorobenzene	146	5.120	5.120	(1.004)	662475	25.0000	23.81
$	10 1,2-Dichlorobenzene-d4	152	5.398	5.398	(1.059)	379735	25.0000	23.92(M)
	12 1,2-Dichlorobenzene	146	5.419	5.419	(1.063)	645473	25.0000	24.13(M)
	11 Benzyl alcohol	108	5.510	5.510	(1.081)	402495	25.0000	23.34
	14 2,2'-oxybis(1-Chloropropane)	45	5.777	5.777	(1.133)	687226	25.0000	20.84
	13 2-Methylphenol	108	5.852	5.852	(1.148)	597346	25.0000	25.08
	17 Hexachloroethane	117	5.916	5.916	(1.160)	303937	25.0000	25.81
	16 N-Nitroso-di-n-propylamine	70	6.007	6.007	(1.178)	555244	25.0000	24.36
	15 4-Methylphenol	108	6.114	6.114	(1.199)	674591	25.0000	27.46
$	18 Nitrobenzene-d5	82	6.092	6.092	(0.849)	778198	25.0000	25.71
	19 Nitrobenzene	77	6.119	6.119	(0.853)	1138995	25.0000	34.28
	20 Isophorone	82	6.536	6.536	(0.911)	1323468	25.0000	25.39
	21 2-Nitrophenol	139	6.648	6.648	(0.926)	293335	25.0000	23.99
	22 2,4-Dimethylphenol	107	6.920	6.920	(0.964)	641232	25.0000	25.15
	23 Bis(2-Chloroethoxy)methane	93	7.022	7.022	(0.978)	704679	25.0000	24.27
	24 Benzoic acid	105	7.284	7.284	(1.015)	407743	25.0000	30.29(M)
	25 2,4-Dichlorophenol	162	7.081	7.081	(0.987)	482979	25.0000	25.94
	26 1,2,4-Trichlorobenzene	180	7.145	7.145	(0.996)	563532	25.0000	26.24
*	27 Naphthalene-d8	136	7.177	7.177	(1.000)	1118078	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	7.204	7.204	(1.004)	1658096	25.0000	24.39
	29 4-Chloroaniline	127	7.433	7.433	(1.036)	656877	25.0000	23.96
	30 Hexachlorobutadiene	225	7.572	7.572	(1.055)	357589	25.0000	26.50
	31 4-Chloro-3-methylphenol	107	8.352	8.352	(1.164)	537828	25.0000	25.57
	32 2-Methylnaphthalene	141	8.315	8.315	(1.159)	884004	25.0000	24.05
	33 Hexachlorocyclopentadiene	237	8.710	8.710	(0.875)	280043	25.0000	33.49
	34 2,4,6-Trichlorophenol	196	8.886	8.886	(0.893)	375286	25.0000	26.90
	35 2,4,5-Trichlorophenol	196	8.945	8.945	(0.899)	402818	25.0000	27.78
$	36 2-Fluorobiphenyl	172	8.999	8.999	(0.904)	1145107	25.0000	24.48
	37 2-Chloronaphthalene	162	9.057	9.057	(0.910)	1036332	25.0000	25.22
	38 2-Nitroaniline	65	9.357	9.357	(0.940)	420805	25.0000	25.10
	39 Dimethylphthalate	163	9.789	9.789	(0.983)	1066517	25.0000	24.46
	40 Acenaphthylene	152	9.698	9.698	(0.974)	1518100	25.0000	23.90
	41 2,6-Dinitrotoluene	165	9.843	9.843	(0.989)	240566	25.0000	24.20
*	42 Acenaphthene-d10	164	9.955	9.955	(1.000)	626364	20.0000	
	43 3-Nitroaniline	138	10.024	10.024	(1.007)	256679	25.0000	24.16
	44 Acenaphthene	153	9.998	9.998	(1.004)	1006426	25.0000	25.02
	45 2,4-Dinitrophenol	184	10.190	10.190	(1.024)	94790	25.0000	49.13
	46 Dibenzofuran	168	10.259	10.259	(1.031)	1494210	25.0000	27.00
	47 4-Nitrophenol	109	10.484	10.484	(1.053)	209173	25.0000	30.26
	48 2,4-Dinitrotoluene	165	10.430	10.430	(1.048)	301526	25.0000	23.91
	50 Diethylphthalate	149	10.927	10.927	(1.098)	1033285	25.0000	24.54
	49 Fluorene	166	10.788	10.788	(1.084)	1145094	25.0000	25.51
	51 4-Chlorophenyl-phenylether	204	10.890	10.890	(1.094)	607811	25.0000	25.77
	52 4-Nitroaniline	138	10.986	10.986	(1.104)	219676	25.0000	23.56
	53 4,6-Dinitro-2-methylphenol	198	11.055	11.055	(0.905)	180393	25.0000	32.10
	54 N-Nitrosodiphenylamine	169	11.114	11.114	(0.910)	879861	25.0000	26.52
$	55 2,4,6-Tribromophenol	330	11.210	11.210	(1.126)	151780	25.0000	25.20
	56 4-Bromophenyl-phenylether	248	11.627	11.627	(0.951)	360476	25.0000	26.59
	57 Hexachlorobenzene	284	11.776	11.776	(0.964)	351227	25.0000	24.72
	58 Pentachlorophenol	266	12.113	12.113	(0.991)	202577	25.0000	26.17
*	59 Phenanthrene-d10	188	12.220	12.220	(1.000)	965932	20.0000	
	60 Phenanthrene	178	12.252	12.252	(1.003)	1604813	25.0000	24.96
	61 Anthracene	178	12.321	12.321	(1.008)	1590517	25.0000	24.64
	62 Carbazole	167	12.663	12.663	(1.036)	1280521	25.0000	24.64
	63 Di-n-butylphthalate	149	13.507	13.507	(1.105)	1558966	25.0000	25.04
	64 Fluoranthene	202	14.100	14.100	(1.154)	1580009	25.0000	24.92
	65 Pyrene	202	14.421	14.421	(0.881)	1689330	25.0000	24.26
$	66 Terphenyl-d14	244	14.859	14.859	(0.908)	1095012	25.0000	25.01
	67 Butylbenzylphthalate	149	15.804	15.804	(0.966)	663158	25.0000	25.66
	68 Benzo(a)anthracene	228	16.344	16.344	(0.999)	1557232	25.0000	24.94
*	69 Chrysene-d12	240	16.360	16.360	(1.000)	826790	20.0000	
	70 3,3'-Dichlorobenzidine	252	16.445	16.445	(1.005)	469950	25.0000	20.87
	71 Chrysene	228	16.397	16.397	(1.002)	1467879	25.0000	23.66
	72 bis(2-Ethylhexyl)phthalate	149	16.862	16.862	(0.949)	821803	25.0000	27.56
*	134 Di-n-octylphthalate-d4	153	17.776	17.776	(1.000)	1180779	20.0000	
	73 Di-n-octylphthalate	149	17.781	17.781	(1.000)	1363058	25.0000	24.17

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	17.936	17.936	(0.974)	1157995	25.0000	24.45
75 Benzo(k)fluoranthene	252	17.963	17.963	(0.975)	1704453	25.0000	34.80(M)
76 Benzo(a)pyrene	252	18.342	18.342	(0.996)	1226675	25.0000	26.91
* 77 Perylene-d12	264	18.422	18.422	(1.000)	721459	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	19.736	19.736	(1.071)	1351280	25.0000	24.36
79 Dibenzo(a,h)anthracene	278	19.784	19.784	(1.074)	1398339	25.0000	25.67
80 Benzo(g,h,i)perylene	276	20.014	20.014	(1.086)	1526426	25.0000	26.28
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
91 Aniline	93	4.666	4.666	(0.915)	995422	25.0000	23.29
105 1-methylnaphthalene	141	8.475	8.475	(1.181)	949326	25.0000	24.70
93 Benzidine	184	14.453	14.453	(0.883)	325798	25.0000	13.60
98 Retene	219	15.057	15.057	(0.920)	720767	25.0000	23.90
111 Azobenzene (1,2-DP-Hydrazine)	77	11.119	11.119	(1.117)	1748036	25.0000	28.52
144 alpha-Terpineol	59	7.326	7.326	(1.021)	495384	25.0000	24.22
143 1,4-Dioxane	88	Compound Not Detected.					
$ 137 d8-1,4-Dioxane	96	Compound Not Detected.					
133 Butylatedhydroxytoluene	205	10.265	10.265	(1.031)	930542	25.0000	26.25
115 Tributyl Phosphate	99	11.360	11.360	(0.930)	1180327	25.0000	24.33
116 Dibutyl Phenyl Phosphate	175	12.973	12.973	(1.062)	957649	25.0000	25.37
117 Butyl Diphenyl Phosphate	94	14.565	14.565	(0.890)	285696	25.0000	24.01
118 Triphenyl Phosphate	326	16.082	16.082	(0.983)	201338	25.0000	20.41

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0809.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060809.b/SW846.m
Misc Info:

Calibration Date: 09-AUG-2006
Calibration Time: 09:22

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	324892	162446	649784	324892	0.00
27 Naphthalene-d8	1118078	559039	2236156	1118078	0.00
42 Acenaphthene-d10	626364	313182	1252728	626364	0.00
59 Phenanthrene-d10	965932	482966	1931864	965932	0.00
69 Chrysene-d12	826790	413395	1653580	826790	0.00
134 Di-n-octylphthala	1180779	590390	2361558	1180779	0.00
77 Perylene-d12	721459	360730	1442918	721459	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	5.10	4.60	5.60	5.10	0.00
27 Naphthalene-d8	7.18	6.68	7.68	7.18	0.00
42 Acenaphthene-d10	9.95	9.45	10.45	9.95	0.00
59 Phenanthrene-d10	12.22	11.72	12.72	12.22	0.00
69 Chrysene-d12	16.36	15.86	16.86	16.36	0.00
134 Di-n-octylphthala	17.78	17.28	18.28	17.78	0.00
77 Perylene-d12	18.42	17.92	18.92	18.42	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.

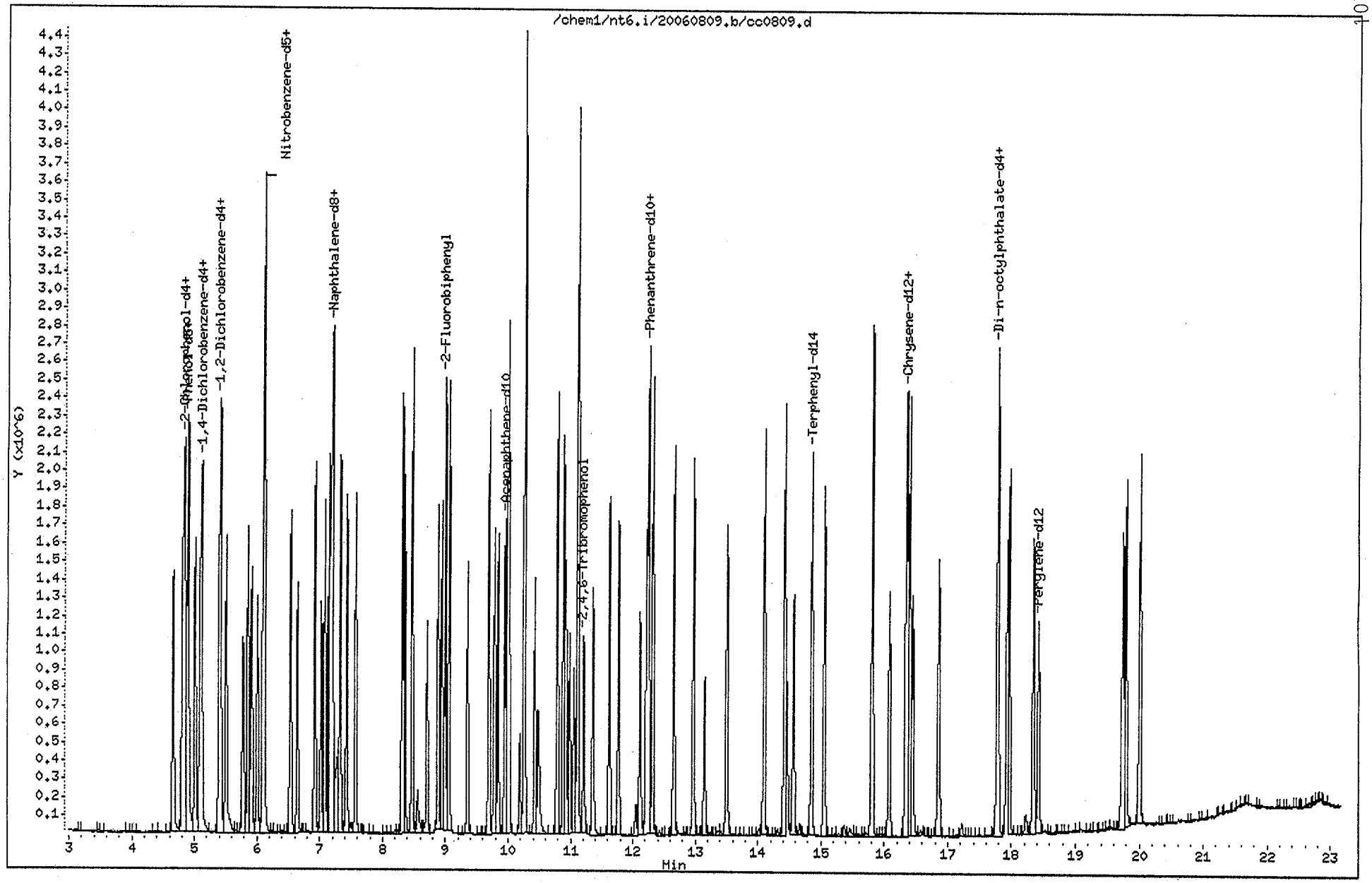
Data File: /chem1/nt6.i/20060809.b/cc0809.d
Date : 09-AUG-2006 09:22
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

1036



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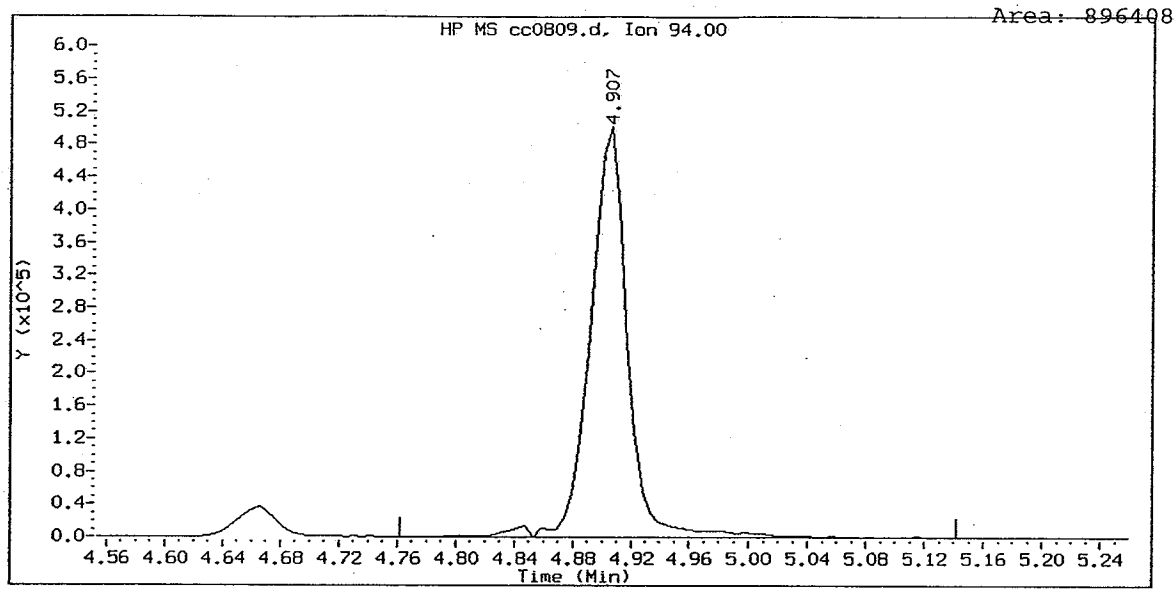
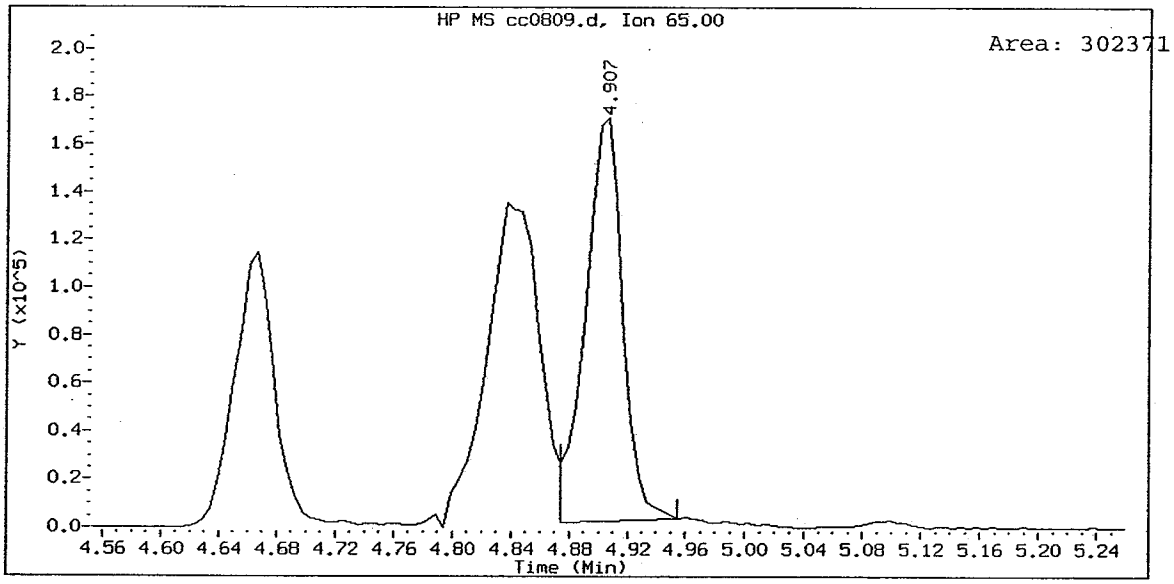
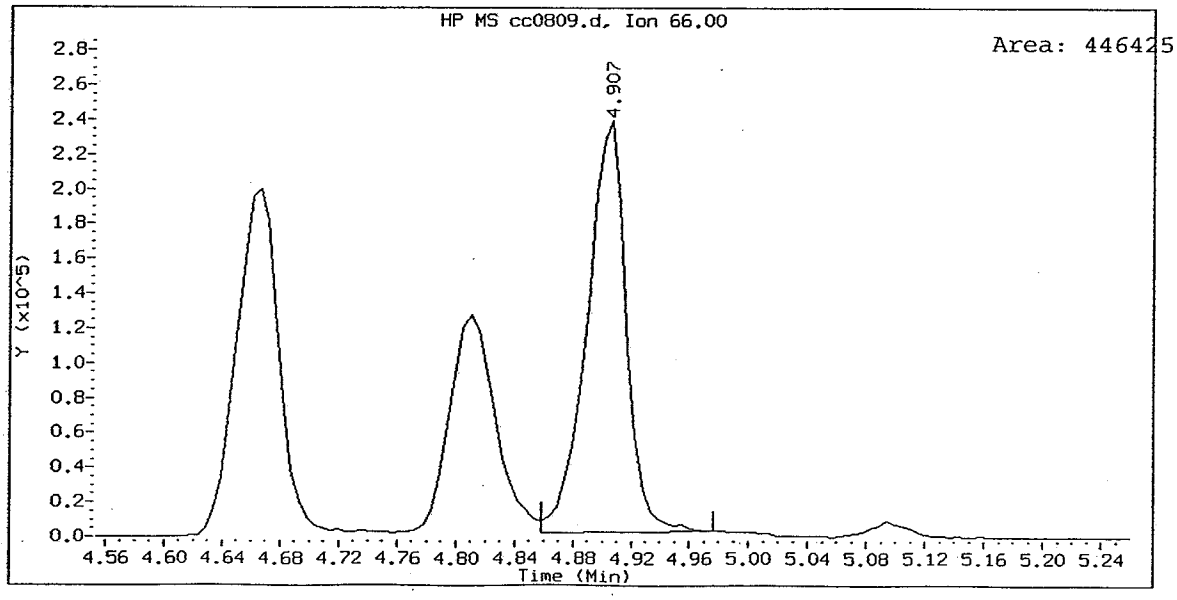
Phenol Amount: 24.77







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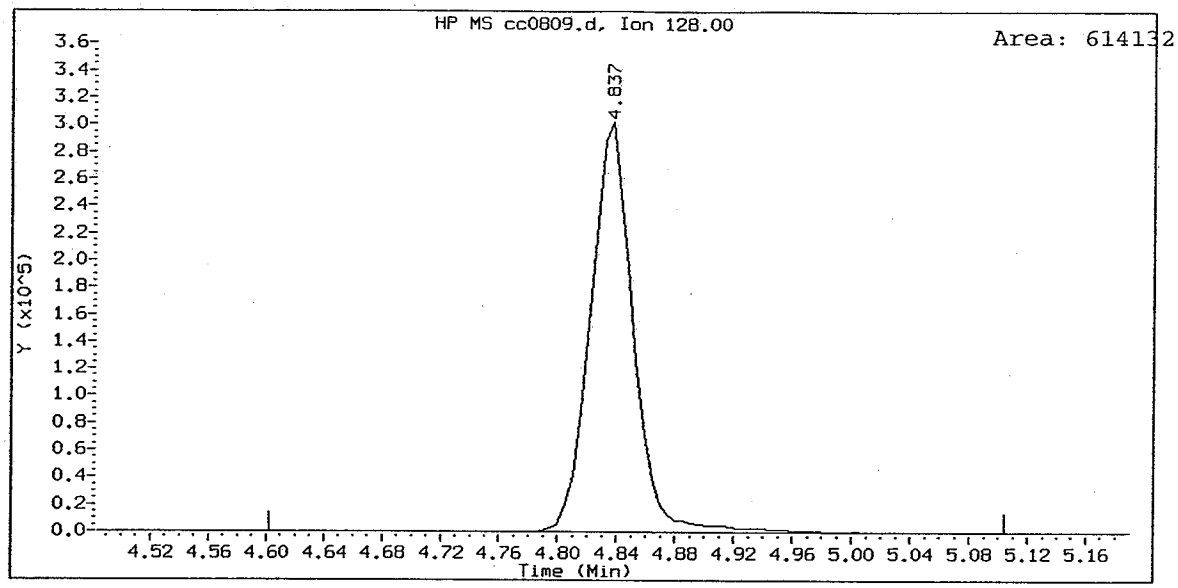
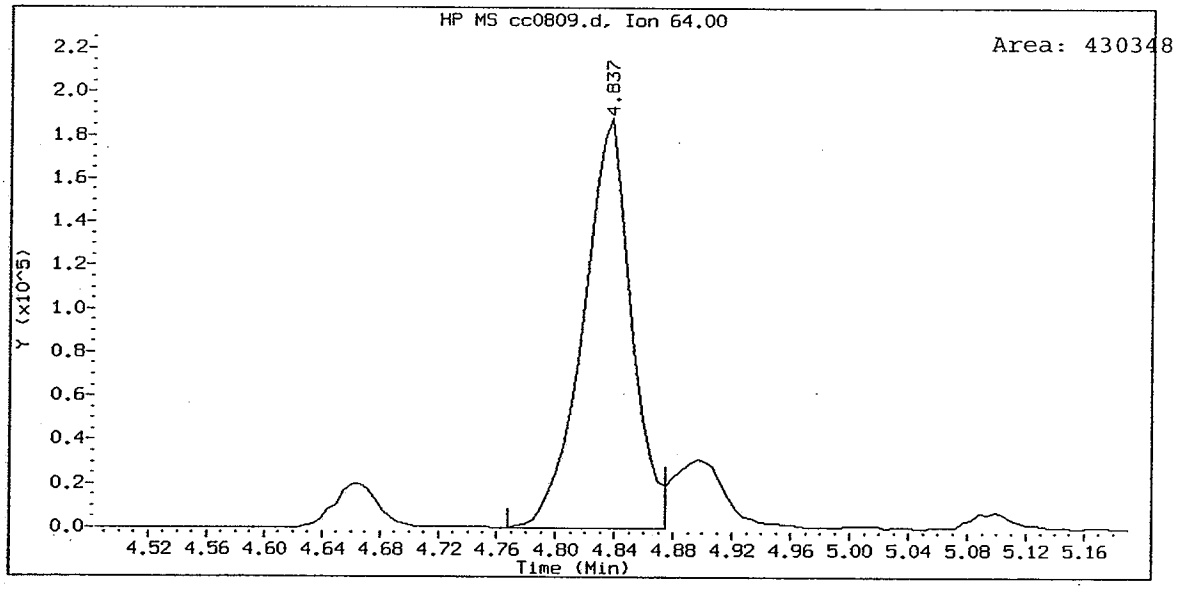
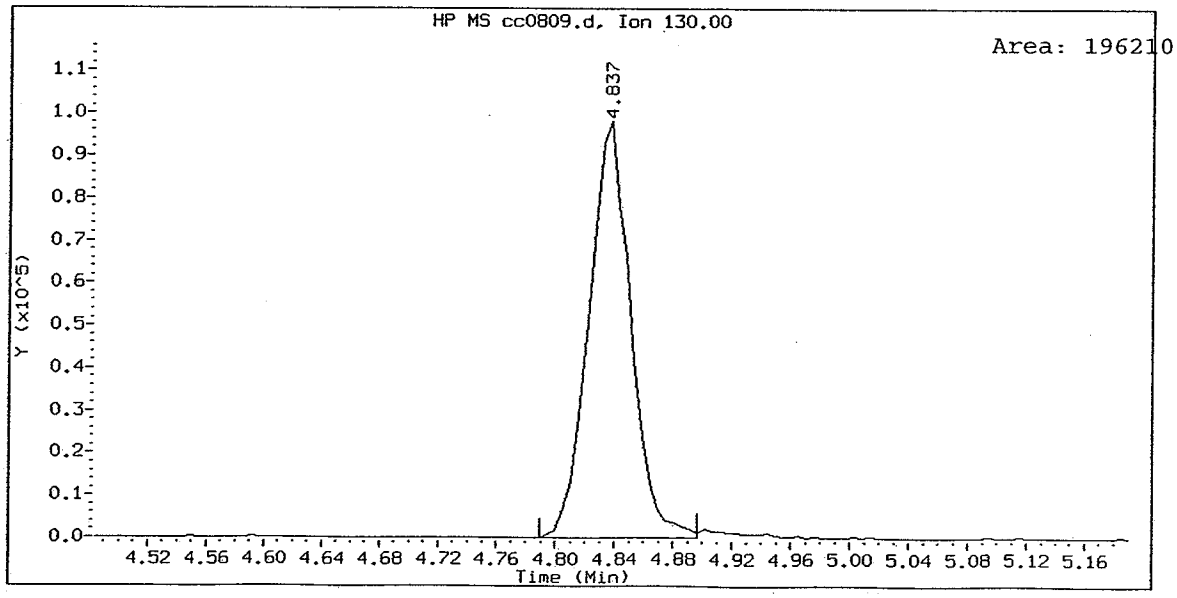
2-Chlorophenol Amount: 24.66







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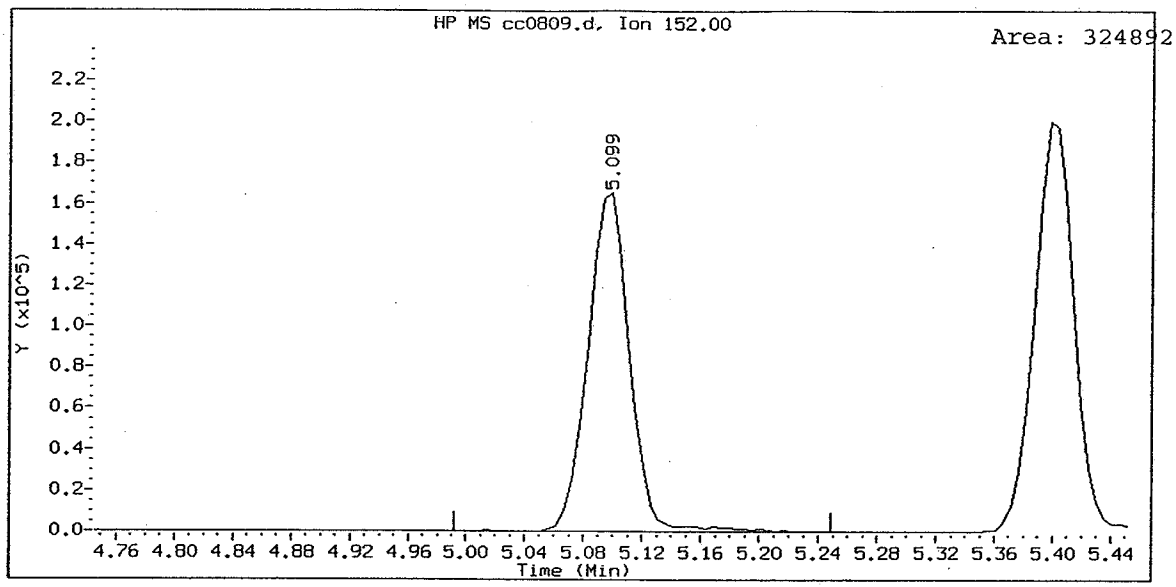
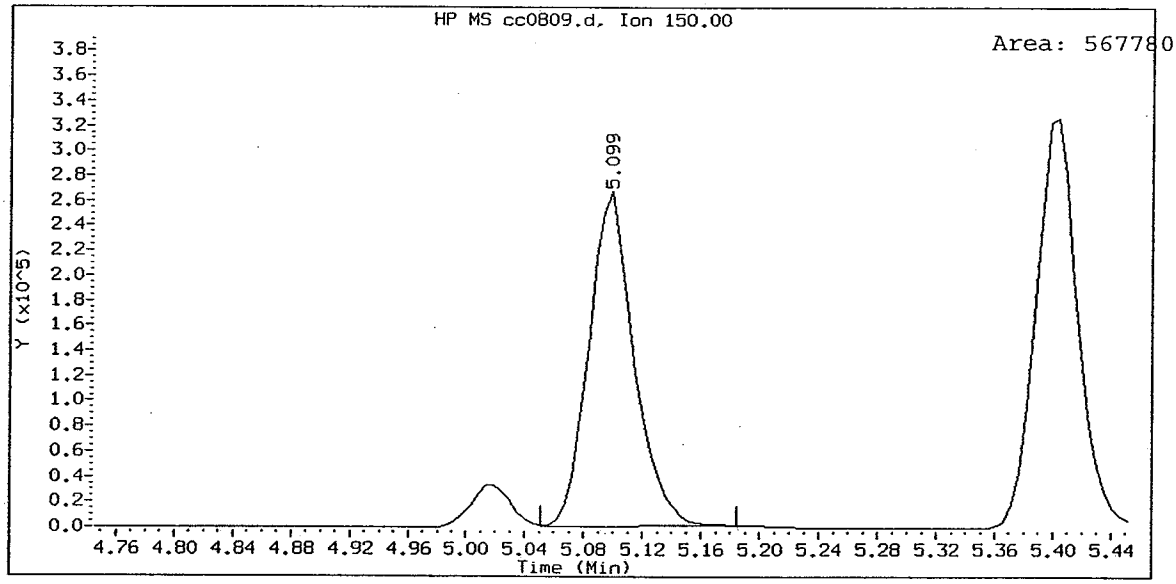
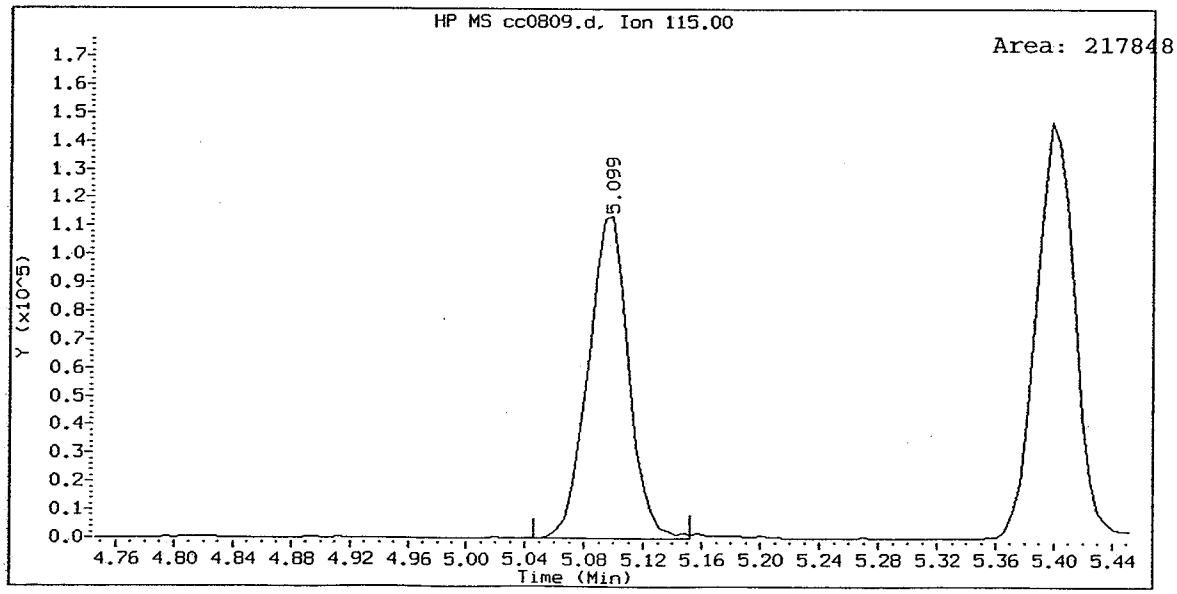
1,4-Dichlorobenzene-d4 Amount: 20.00







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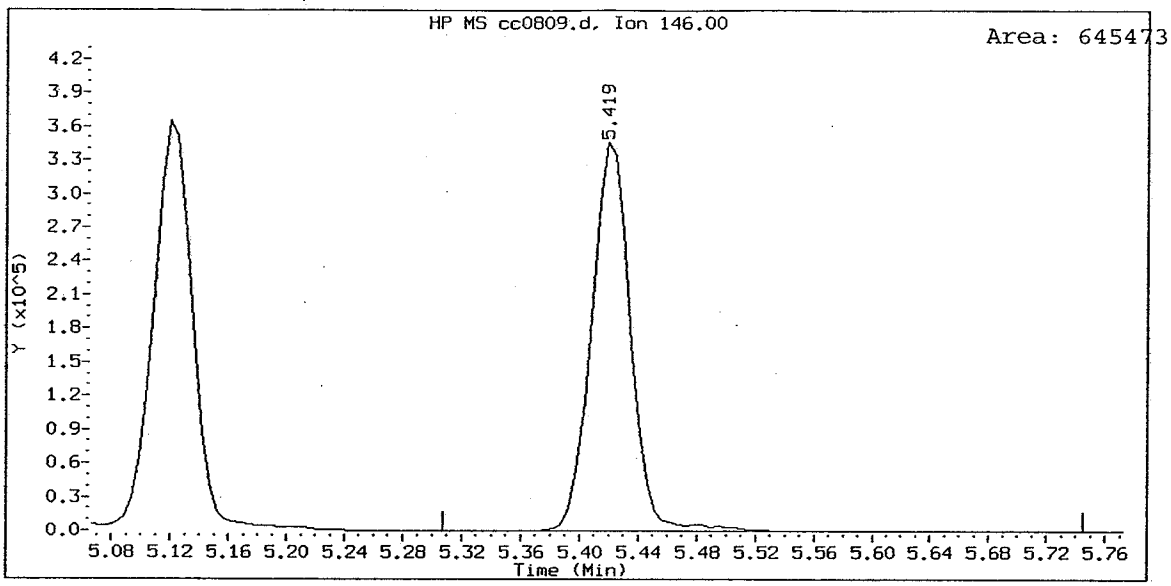
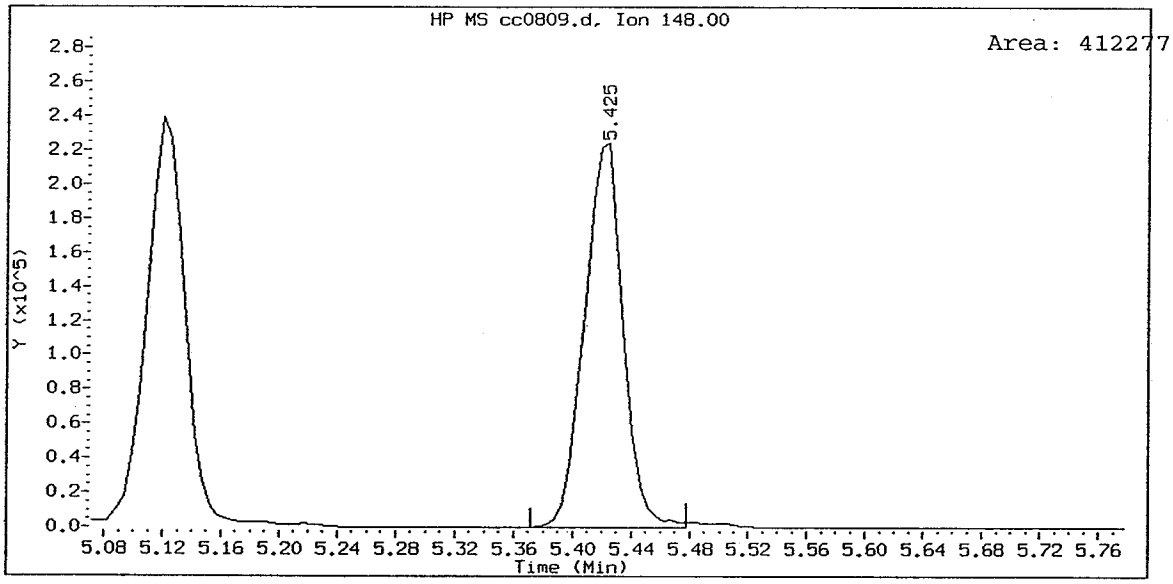
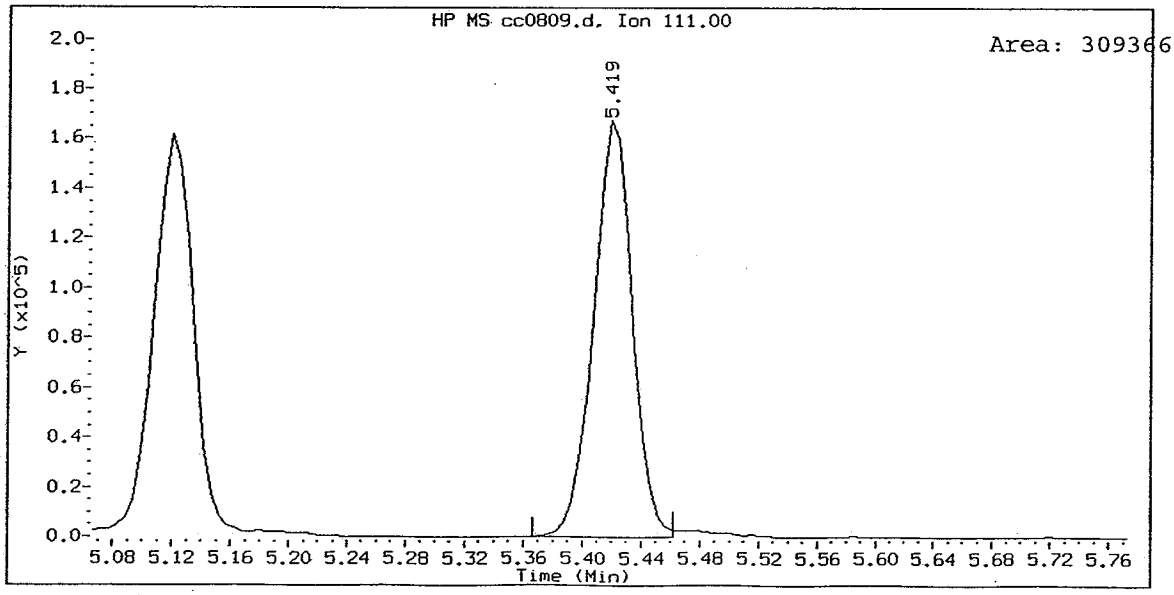
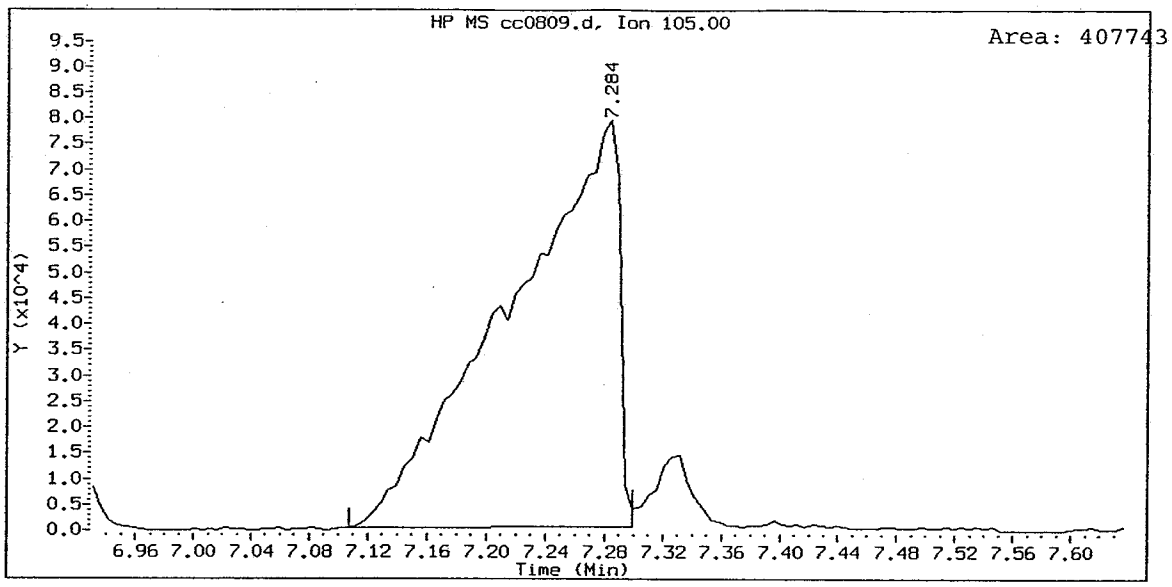
1,2-Dichlorobenzene Amount: 24.13

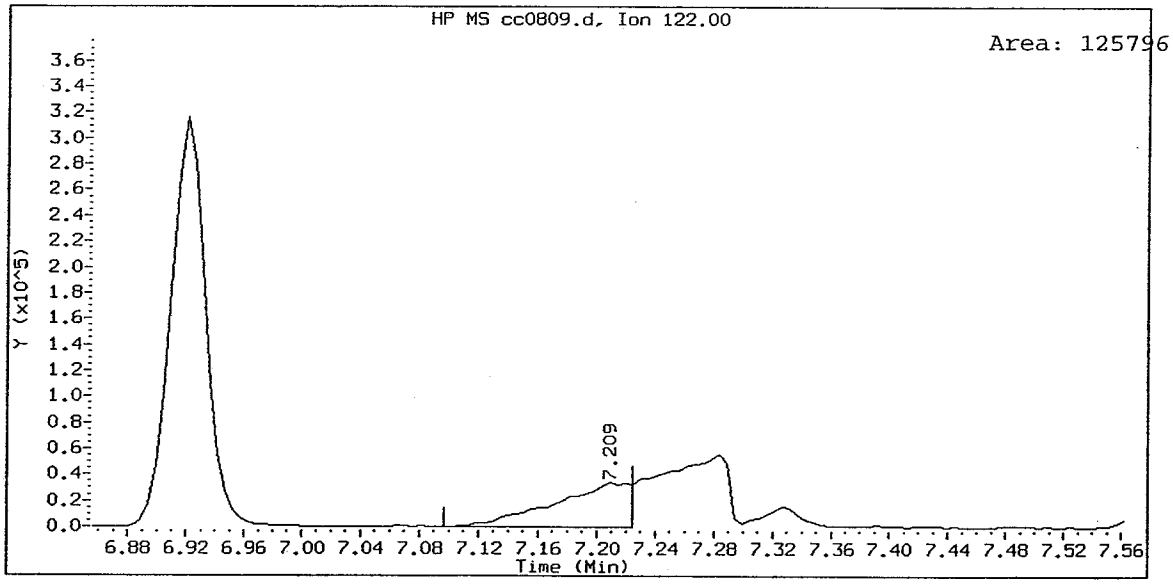


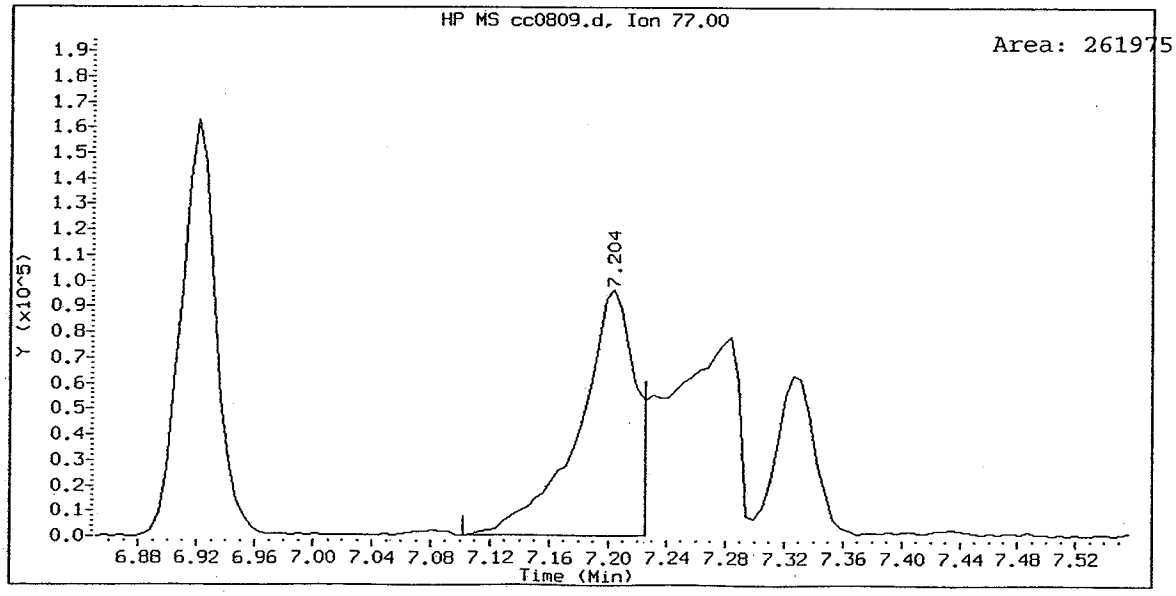




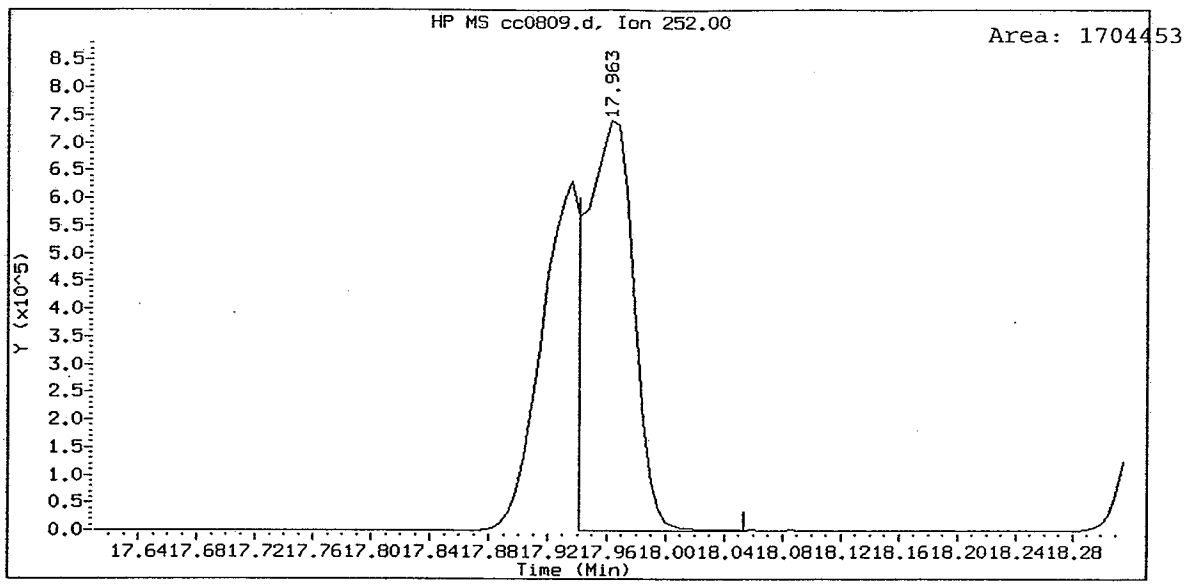
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
Benzoic acid Amount: 30.29

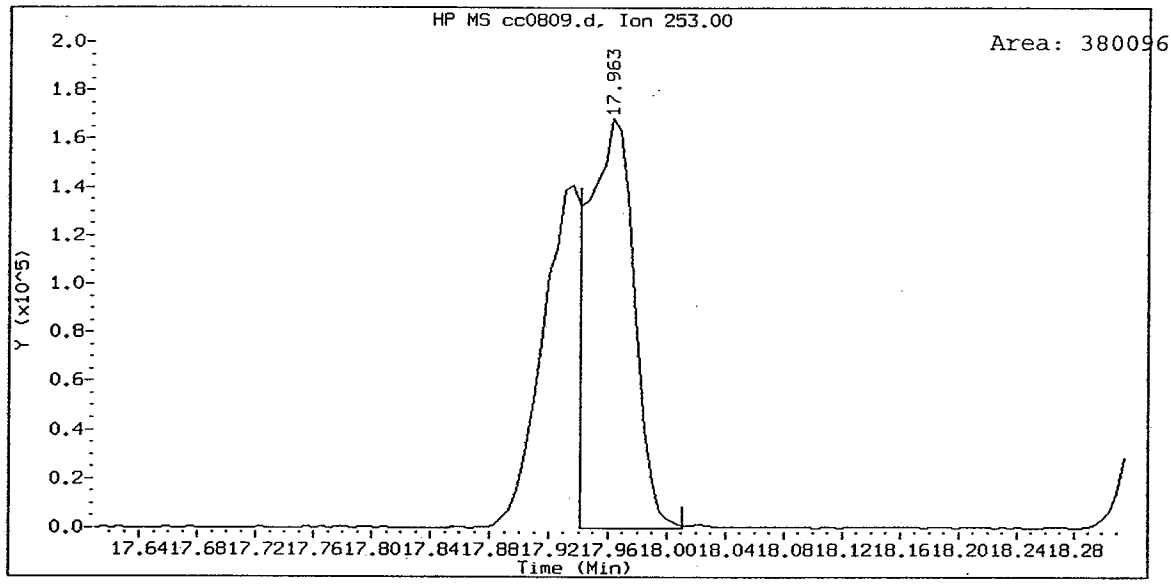


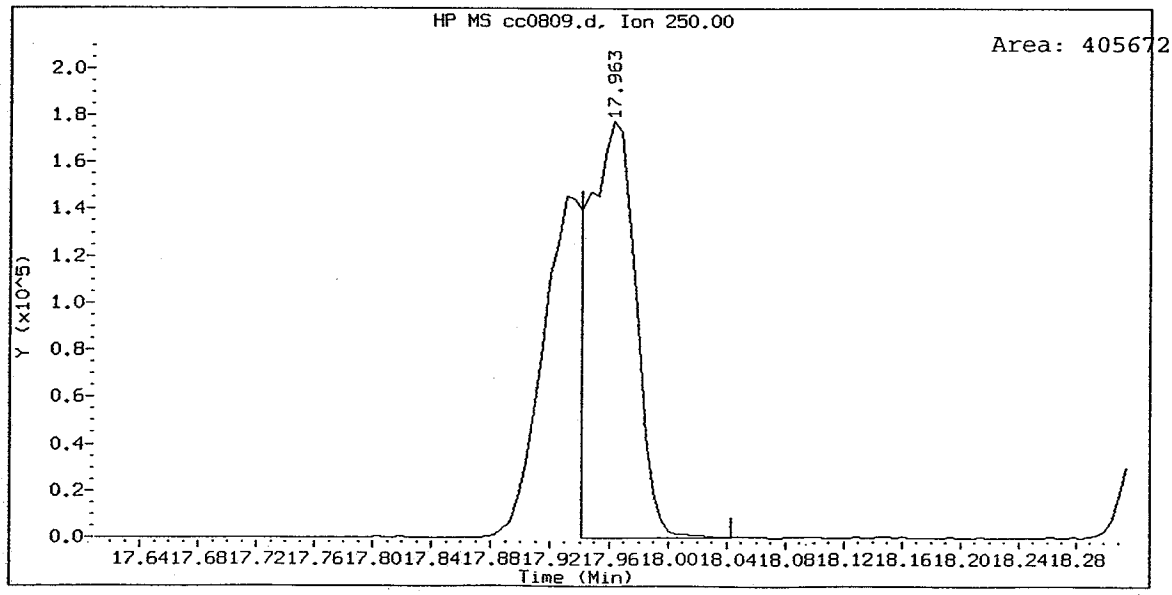




ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
Benzo(k)fluoranthene Amount: 34.80







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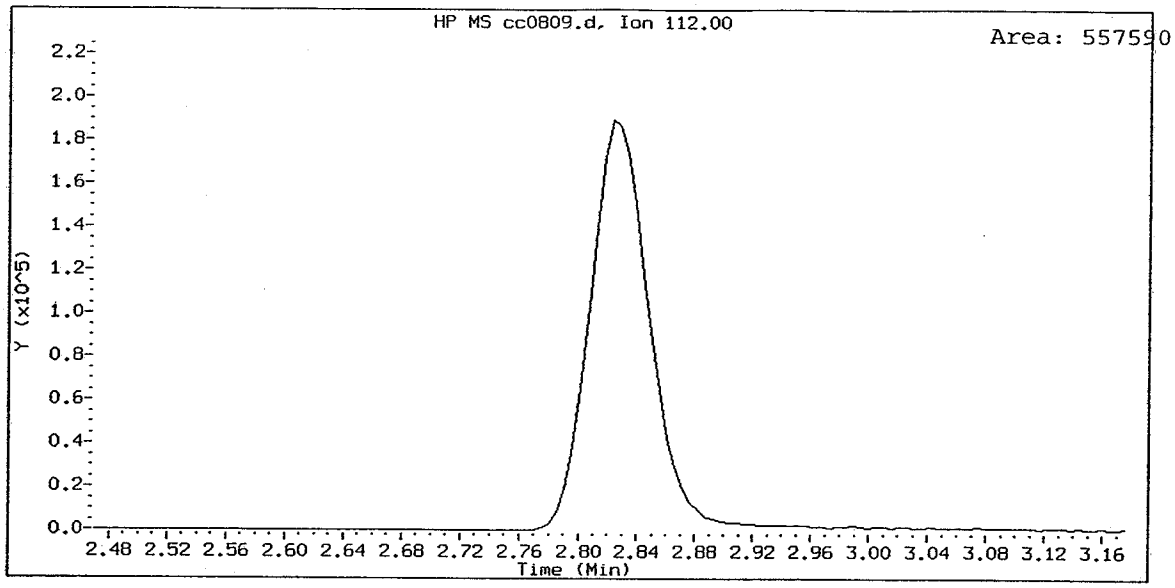
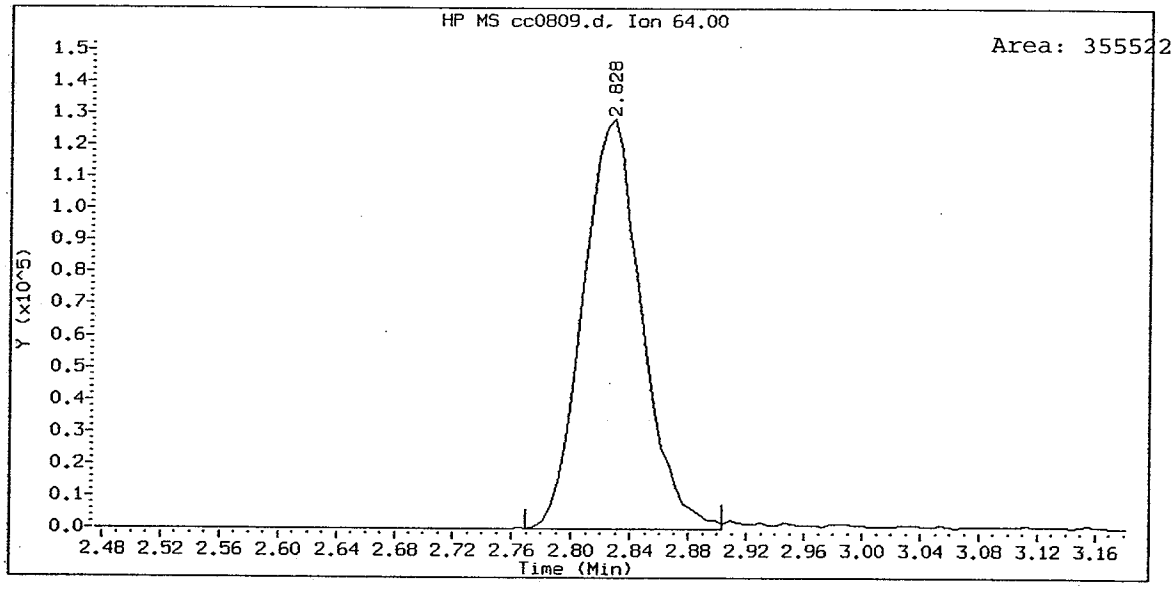
2-Fluorophenol Amount: 23.26





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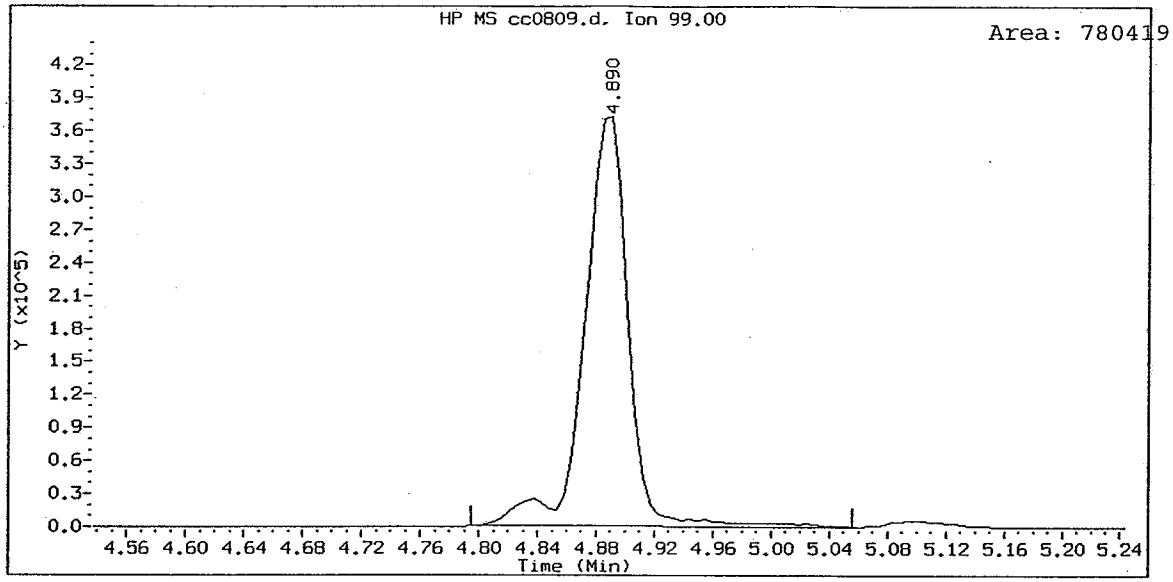
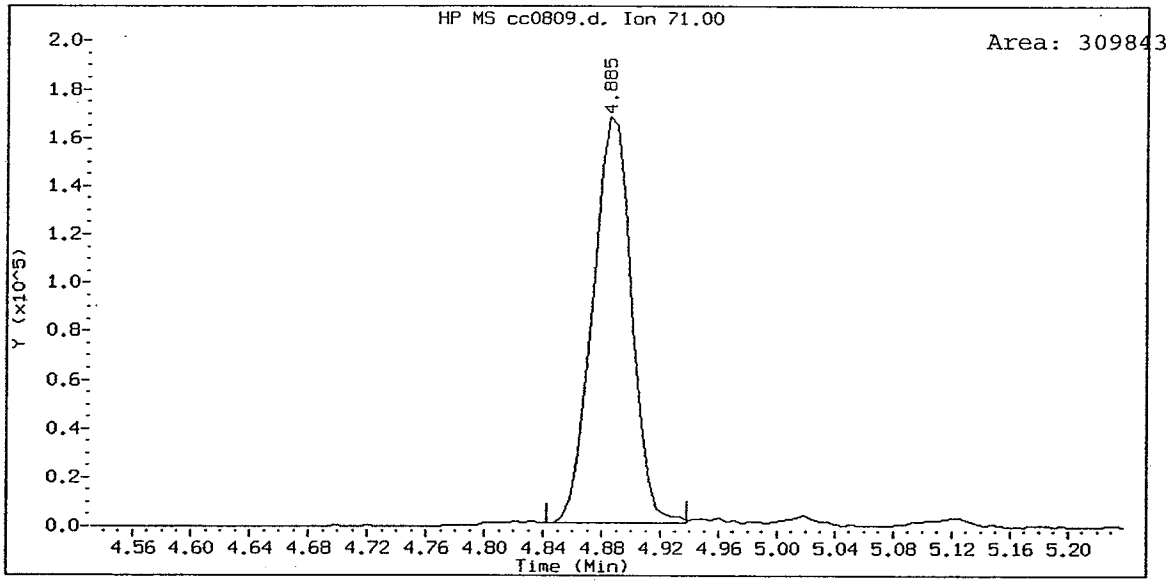
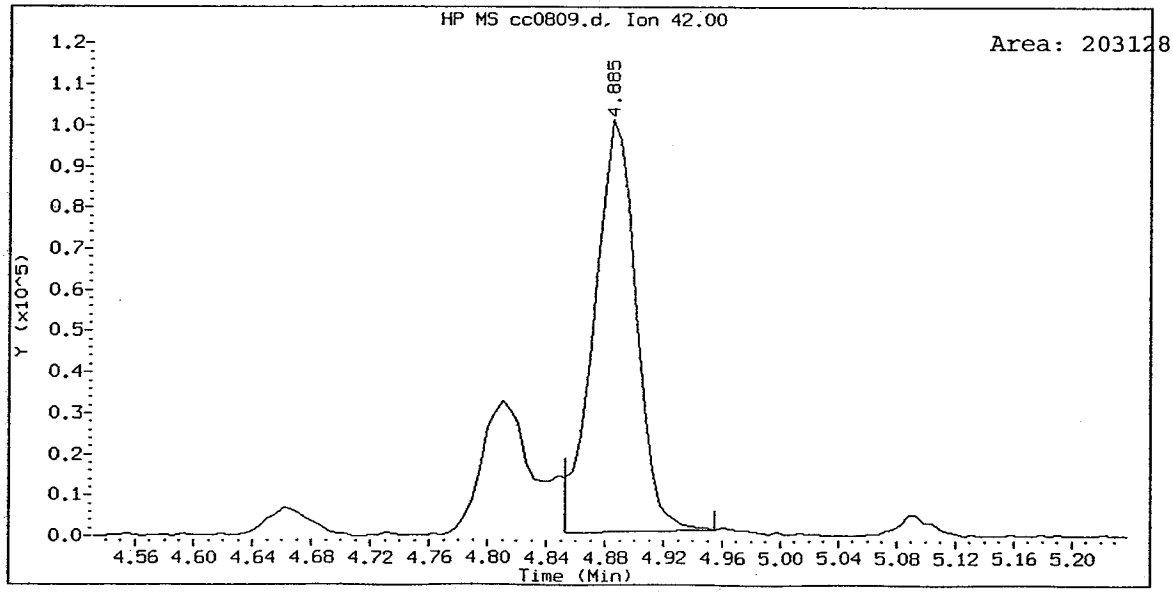
Phenol-d5 Amount: 26.87







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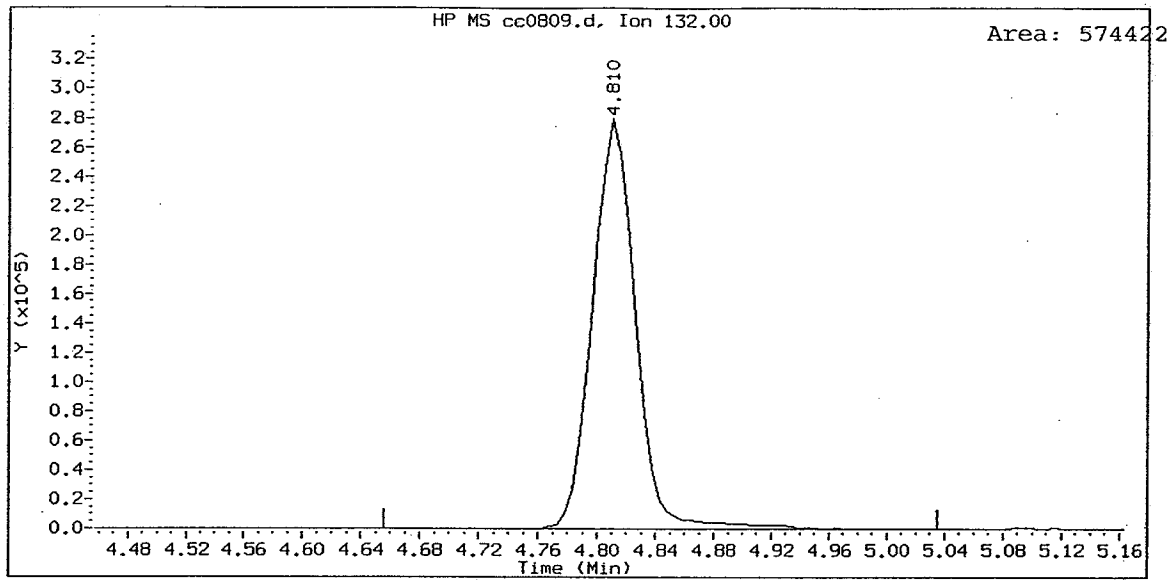
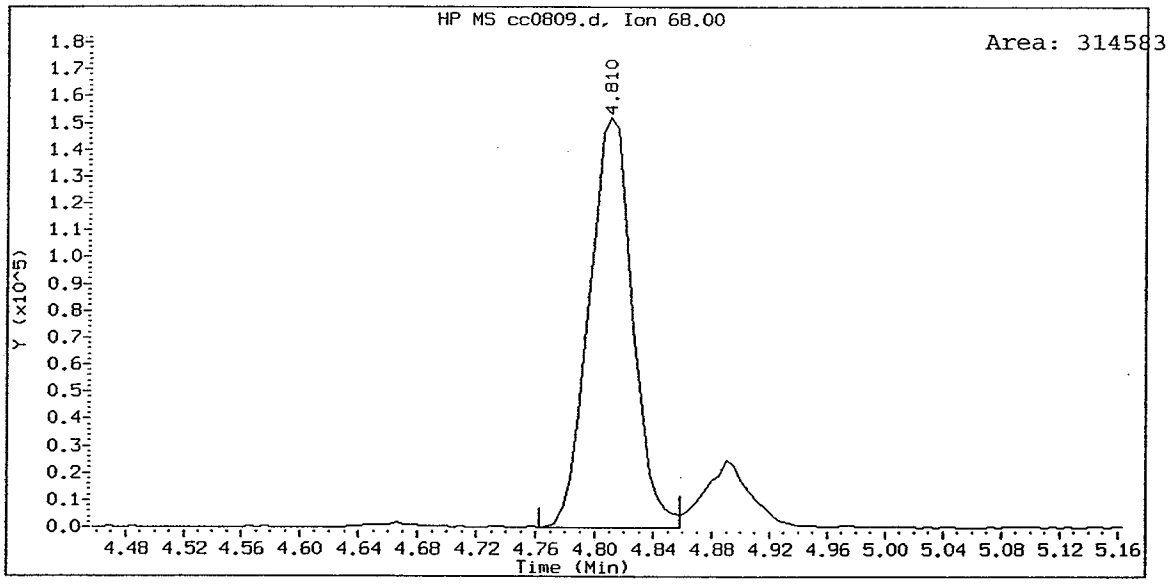
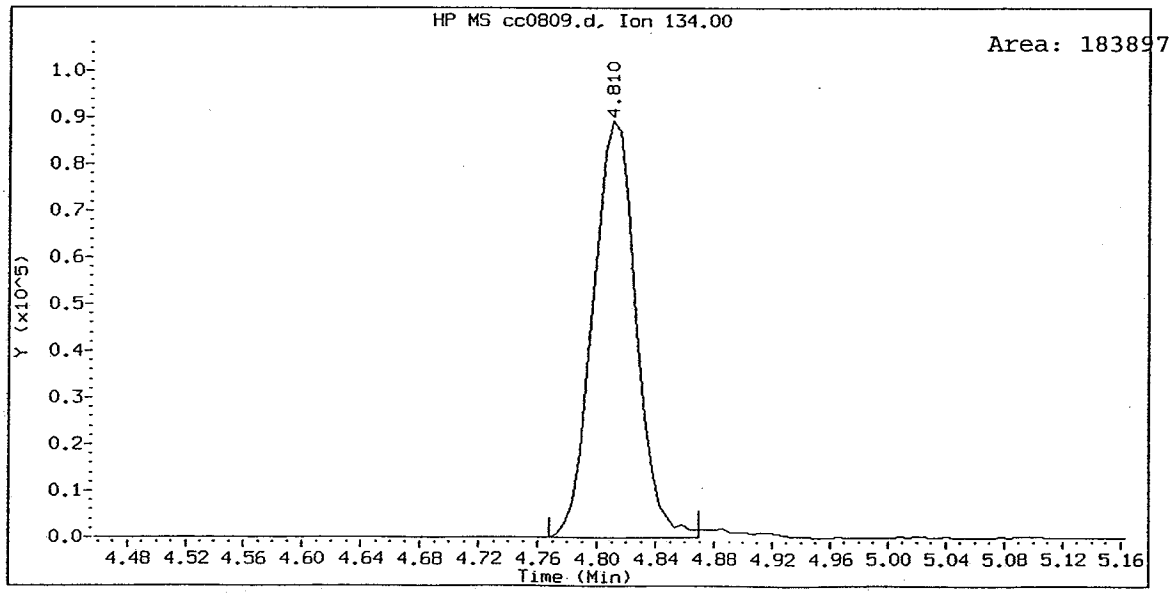
2-Chlorophenol-d4 Amount: 23.32







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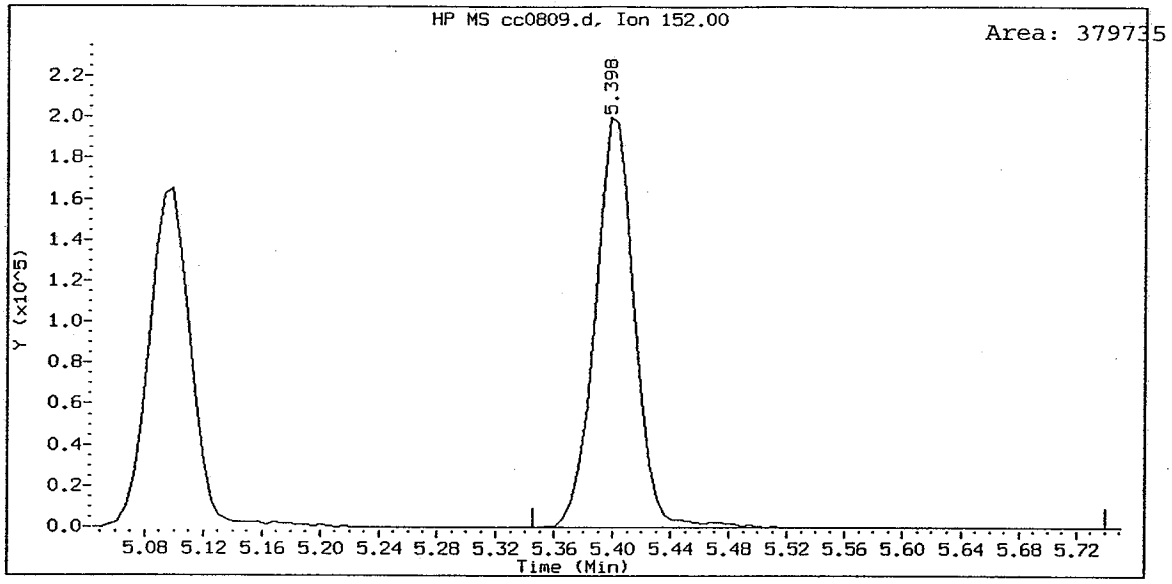
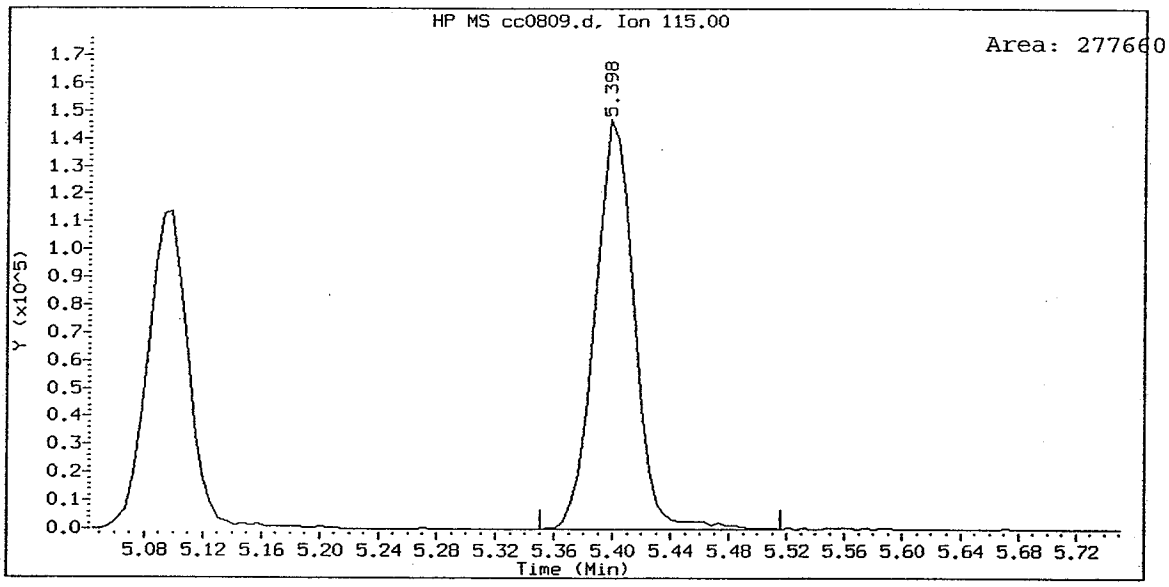
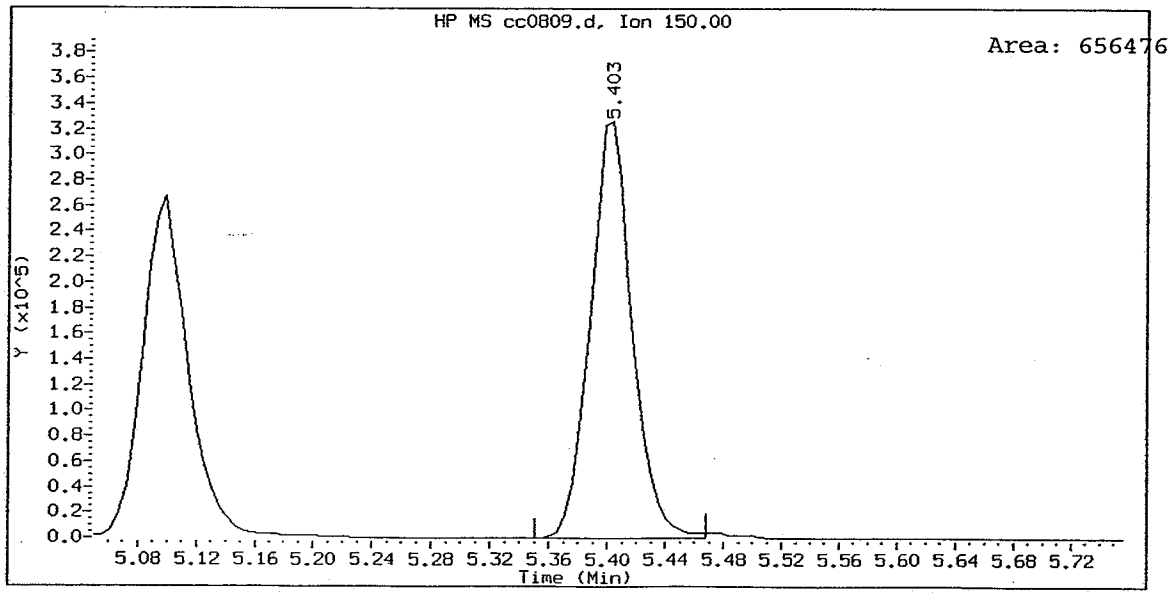
1,2-Dichlorobenzene-d4 Amount: 23.92







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

Data file: /chem1/nt6.i/20060809.b/ddt.b/cc0809.d
Method: /chem1/nt6.i/20060809.b/ddt.b/sw846ddt.m
Analysis Date: 09-AUG-2006 09:22

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	12.113	202577
Benzidine	14.453	325798
4,4'-DDE	----	----
4,4'-DDD	15.366	37529
4,4'-DDT	15.815	384529

LJK
8/9/06

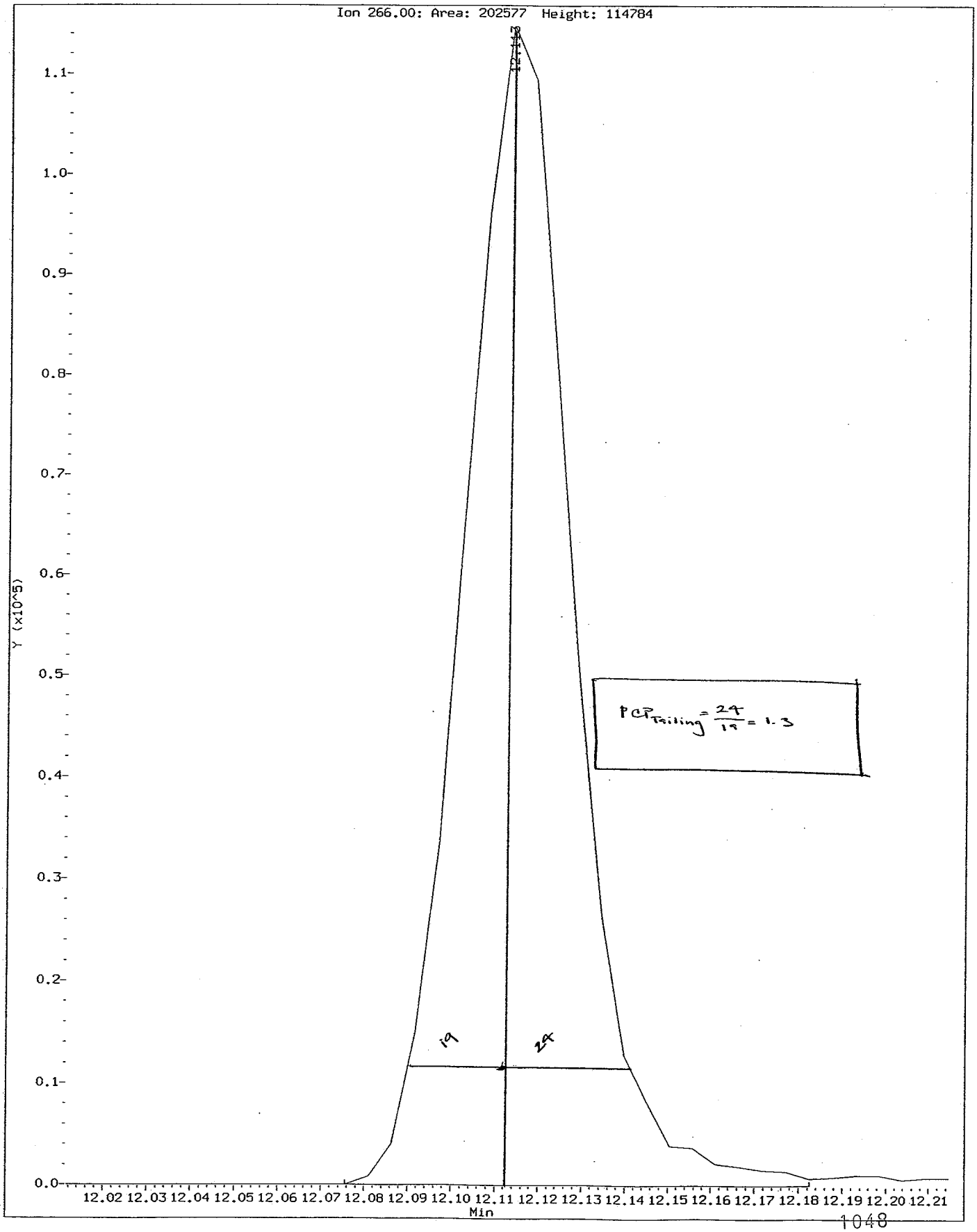
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 37529) * 100}{(0 + 37529 + 384529)}$$

DDT Percent Breakdown = 8.9 %

Data File: /chem1/nt6.i/20060809.b/ddt.b/cc0809.d
Injection Date: 09-AUG-2006 09:22
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



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Injection Date: 09-AUG-2006 09:22
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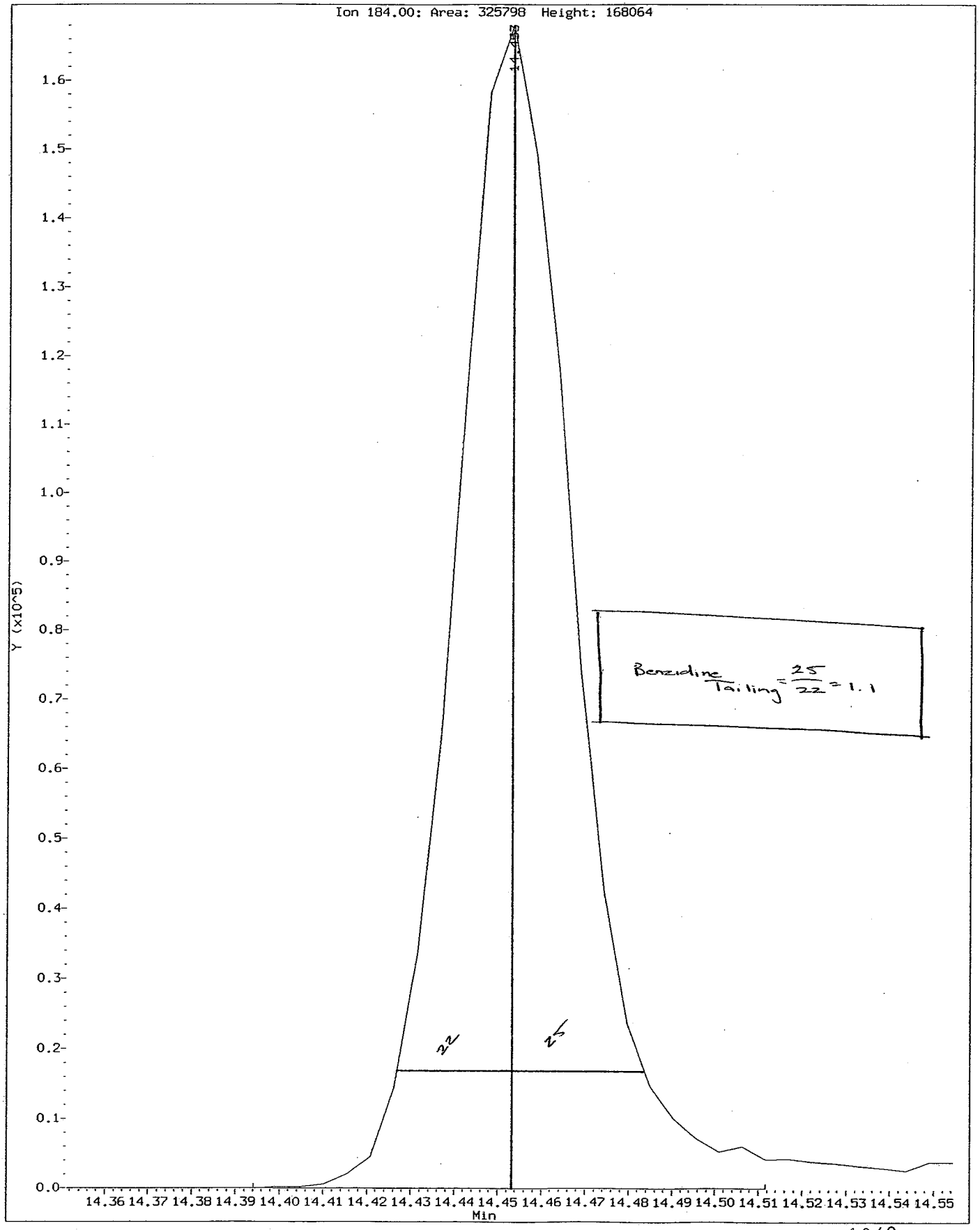
Compound: Benzidine
CAS Number: