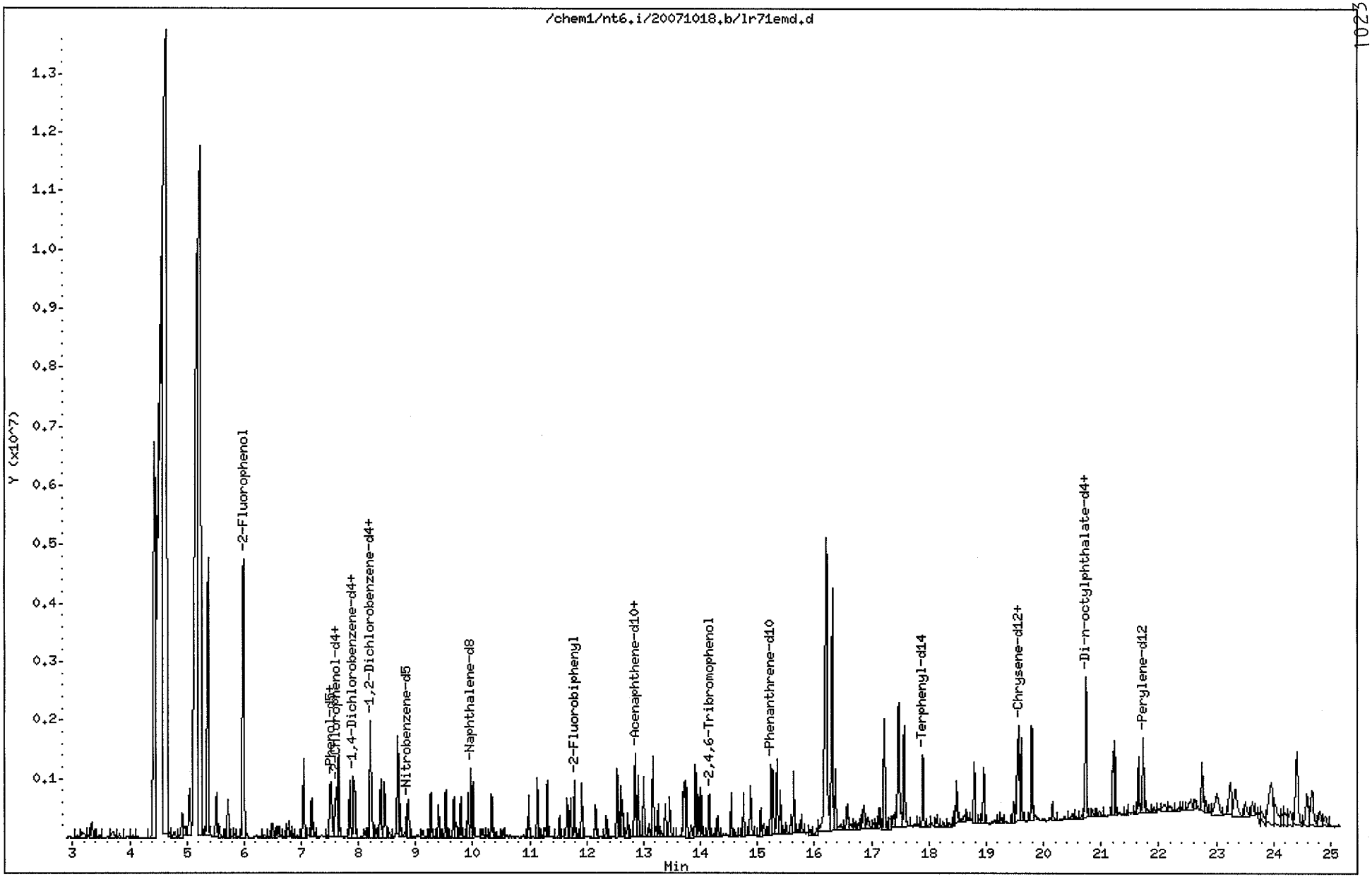
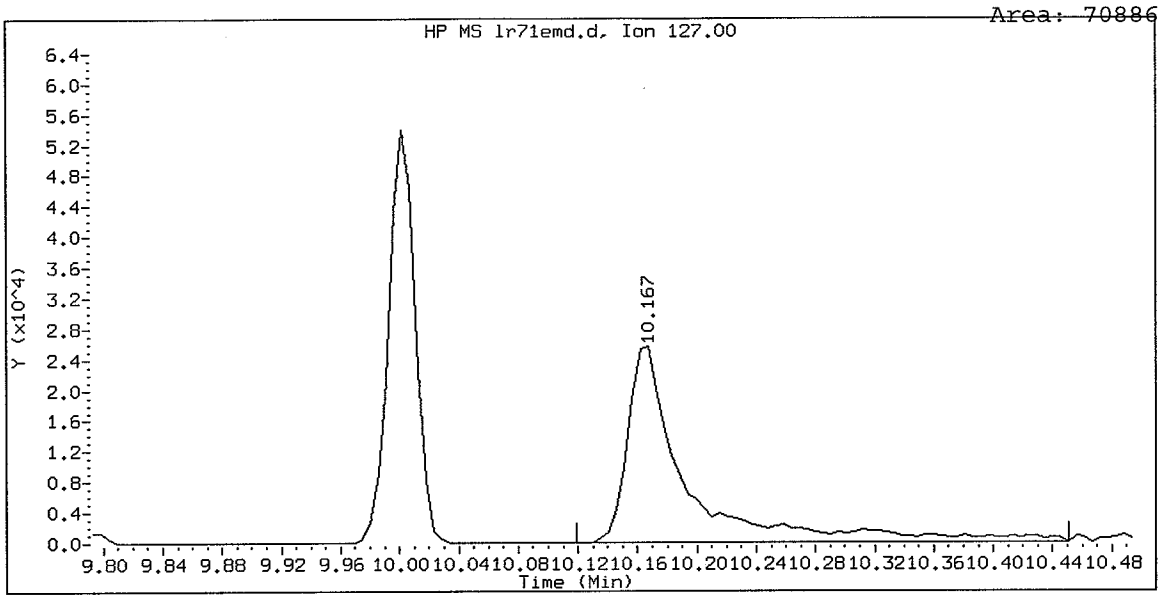
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	497.6	323.0	64.92	22-100

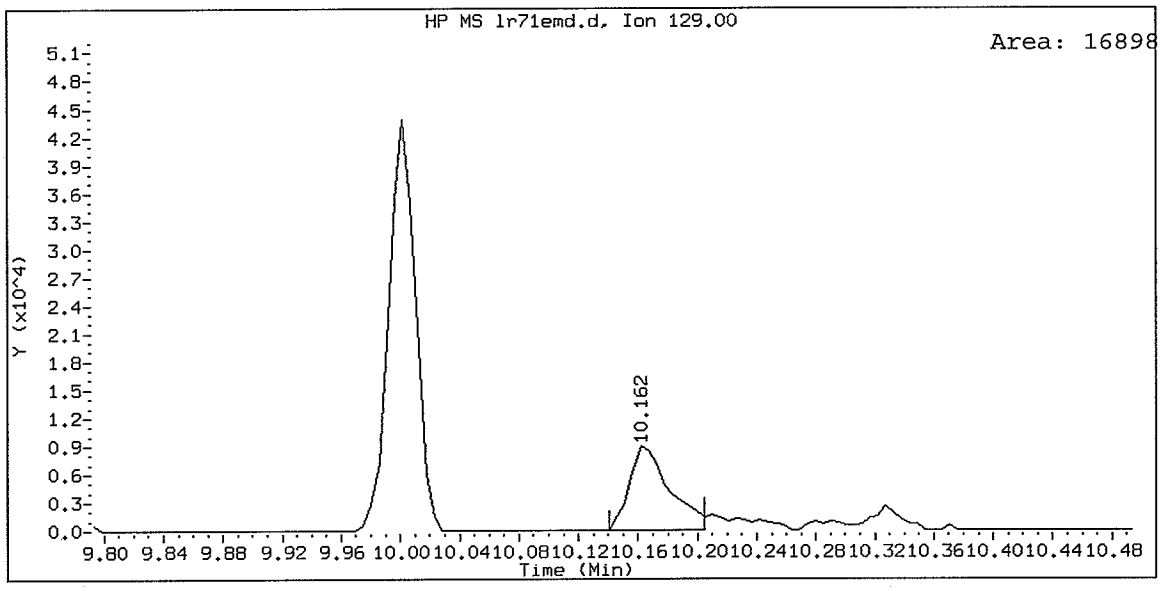
Data File: /chem1/nt6.i/20071018.b/lr71emd.d
Date : 18-OCT-2007 18:03
Client ID: AN-SS-10-070928 MSD
Sample Info: LR71EMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

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

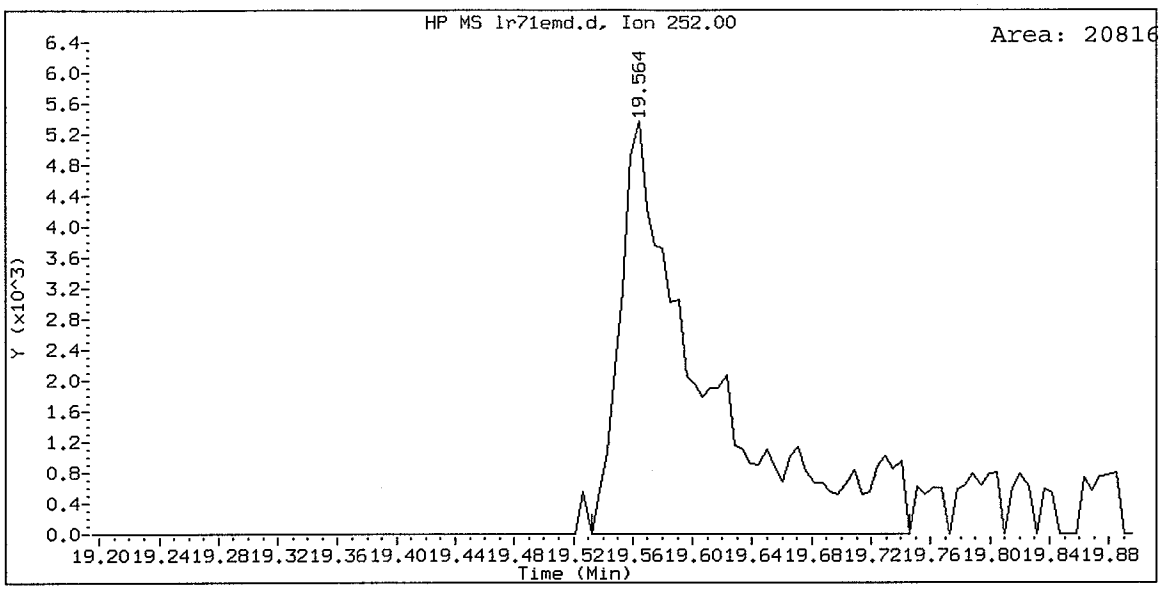


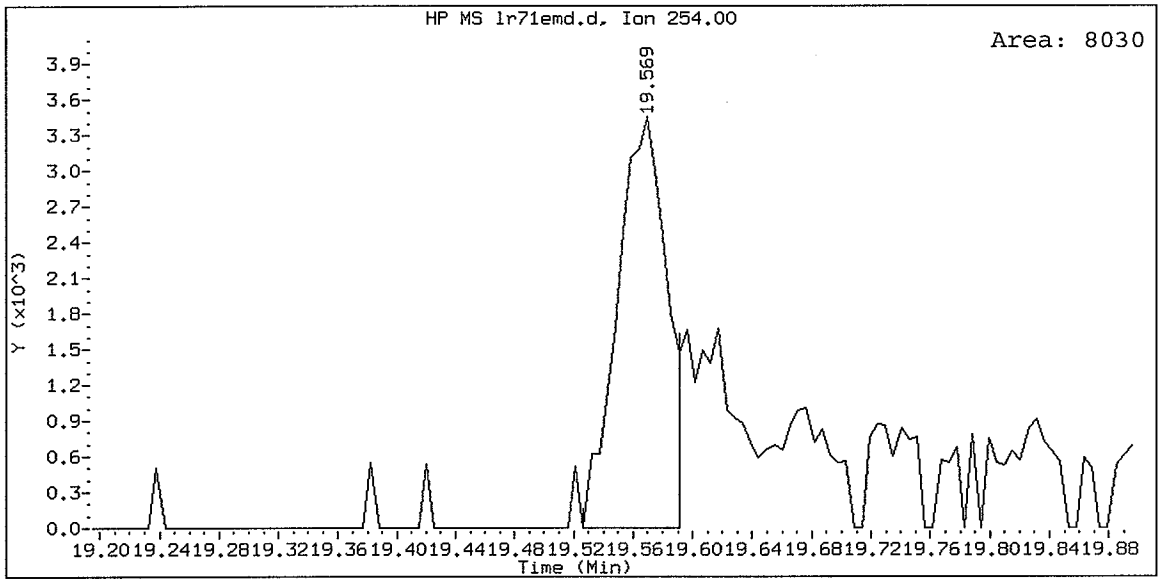
LR71EMSD, /chem1/nt6.i/20071018.b/lr71emd.d
4-Chloroaniline Amount: 4.90

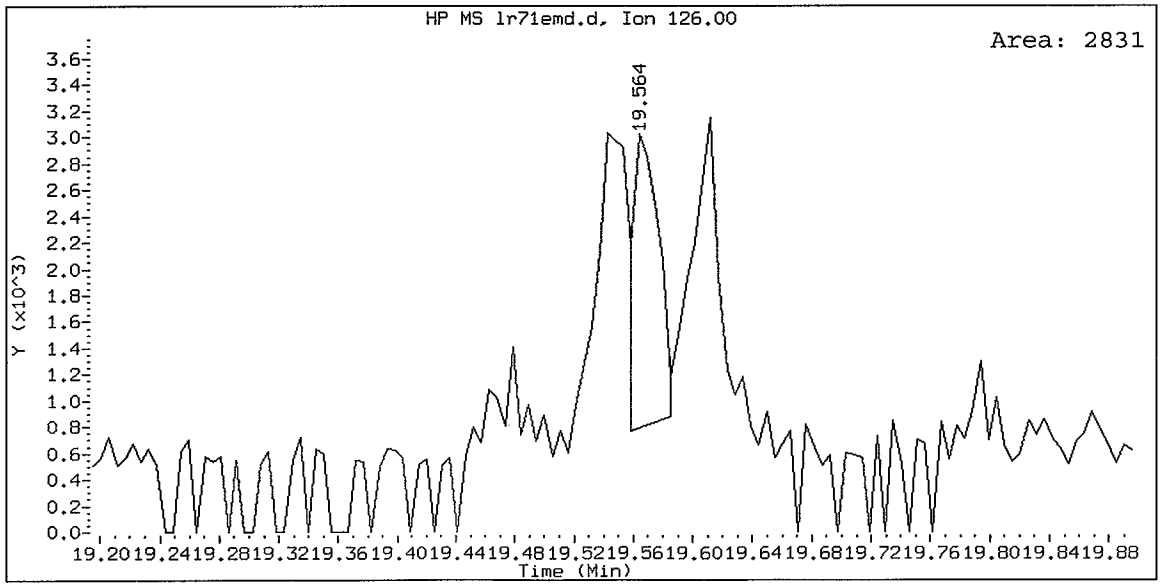




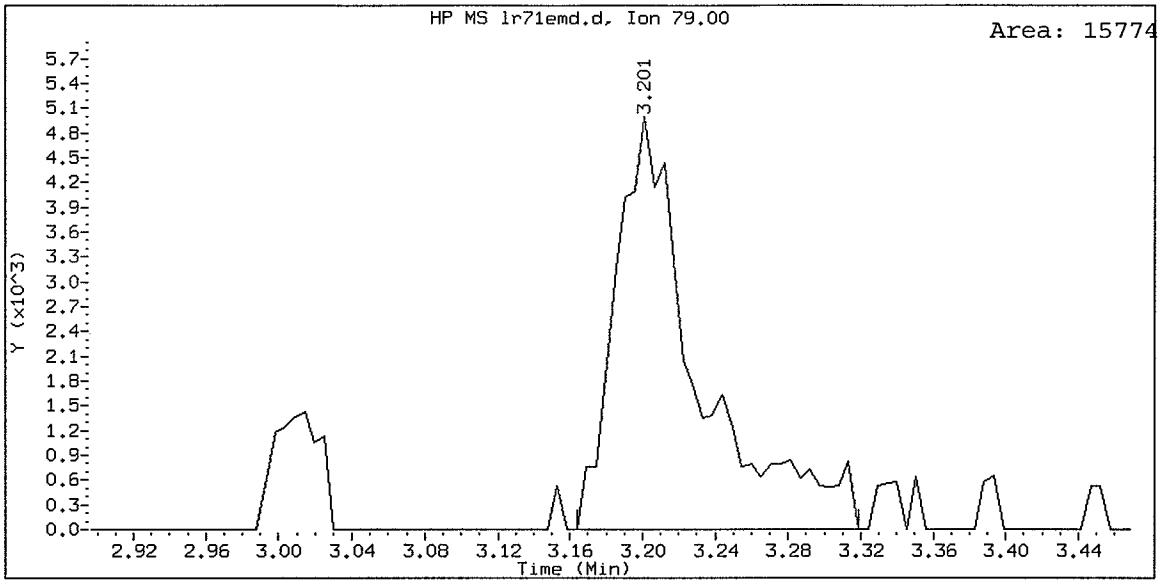
LR71EMSD, /chem1/nt6.i/20071018.b/lr71emd.d
3,3'-Dichlorobenzidine Amount: 0.95

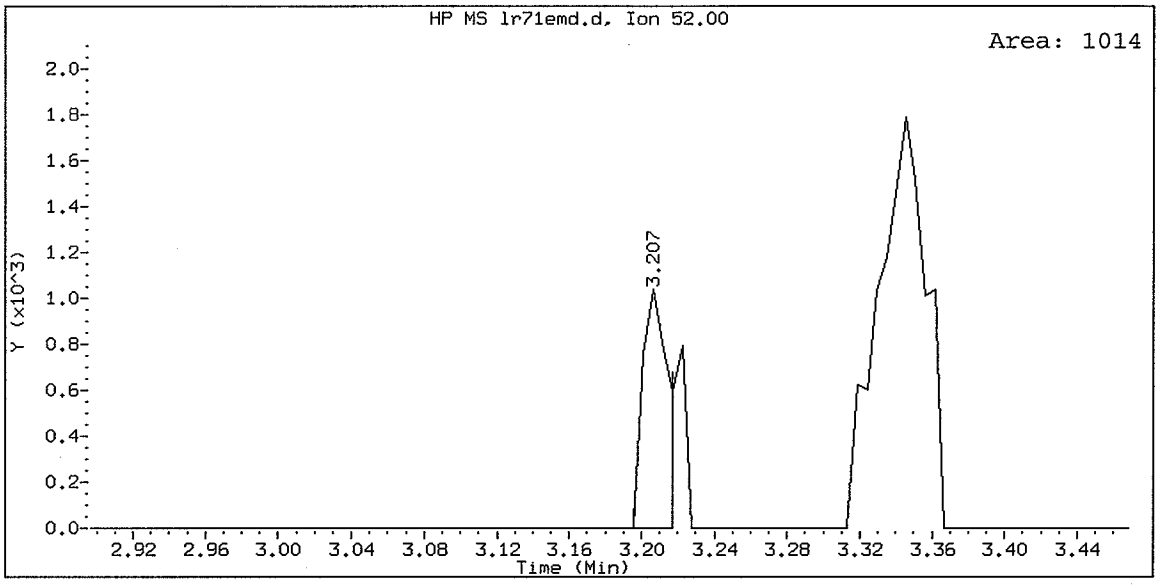






LR71EMSD, /chem1/nt6.i/20071018.b/lr71emd.d
Pyridine Amount: 0.96





Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20071018.b/lr71sb.d
Lab Smp Id: LR71LCSS1 Client Smp ID: LR71LCSS1
Inj Date : 18-OCT-2007 11:15
Operator : LJR/VTS Inst ID: nt6.i
Smp Info : LR71LCSS1
Misc Info : 07-20770
Comment : 1ul Injection
Method : /chem1/nt6.i/20071018.b/SW846.m
Meth Date : 25-Oct-2007 15:31 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 13:12 Cal File: 0051001.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 10/25/07

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	50.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$ 1	2-Fluorophenol	112	5.959	5.917	(0.753)	312085	20.7049	414.1
$ 2	Phenol-d5	99	7.487	7.488	(0.947)	351135	18.2362	364.7
3	Phenol	94	7.508	7.504	(0.949)	276542	11.5888	231.8
$ 5	2-Chlorophenol-d4	132	7.604	7.600	(0.961)	221101	17.2409	344.8
4	Bis(2-Chloroethyl)ether	93	7.583	7.579	(0.959)	182400	11.3106	226.2
6	2-Chlorophenol	128	7.631	7.627	(0.965)	162794	11.3400	226.8 (R)
7	1,3-Dichlorobenzene	146	7.845	7.840	(0.992)	163973	10.2794	205.6 (R)
* 8	1,4-Dichlorobenzene-d4	152	7.909	7.904	(1.000)	204541	20.0000	
9	1,4-Dichlorobenzene	146	7.930	7.931	(1.003)	167548	10.1853	203.7 (R)
$ 10	1,2-Dichlorobenzene-d4	152	8.208	8.204	(1.038)	92153	9.58255	191.7
12	1,2-Dichlorobenzene	146	8.229	8.225	(1.041)	163049	10.5394	210.8 (R)
11	Benzyl alcohol	108	8.197	8.198	(1.036)	220463	23.6284	472.6
14	2,2'-oxybis(1-Chloropropane)	45	8.464	8.465	(1.070)	176063	11.8307	236.6
13	2-Methylphenol	108	8.443	8.439	(1.068)	168453	12.2832	245.7
17	Hexachloroethane	117	8.726	8.716	(1.103)	72384	9.96183	199.2 (R)

	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	8.678	8.679	(1.097)	140314	9.75636	195.1 (R)
15	4-Methylphenol	108	8.683	8.674	(1.098)	369161	25.7006	514.0
$ 18	Nitrobenzene-d5	82	8.844	8.845	(0.887)	225222	10.5594	211.2
19	Nitrobenzene	77	8.876	8.871	(0.890)	241597	10.5538	211.1
20	Isophorone	82	9.260	9.261	(0.929)	417176	12.3761	247.5 (R)
21	2-Nitrophenol	139	9.399	9.395	(0.943)	83737	10.9378	218.8 (R)
22	2,4-Dimethylphenol	107	9.522	9.518	(0.955)	119435	6.82770	136.6 (R)
23	Bis(2-Chloroethoxy)methane	93	9.666	9.662	(0.969)	215613	11.5400	230.8 (R)
24	Benzoic acid	105	9.768	9.785	(0.980)	494444	41.4133	828.3
25	2,4-Dichlorophenol	162	9.784	9.780	(0.981)	132910	11.4633	229.3 (R)
26	1,2,4-Trichlorobenzene	180	9.917	9.908	(0.995)	141143	9.98546	199.7 (R)
* 27	Naphthalene-d8	136	9.971	9.961	(1.000)	663850	20.0000	
28	Naphthalene	128	9.997	9.999	(1.003)	434856	10.6269	212.5 (R)
29	4-Chloroaniline	127	10.147	10.143	(1.018)	218530	13.8052	276.1
30	Hexachlorobutadiene	225	10.329	10.319	(1.036)	91726	9.72942	194.6 (R)
31	4-Chloro-3-methylphenol	107	10.980	10.971	(1.101)	175112	12.9289	258.6
32	2-Methylnaphthalene	141	11.130	11.126	(1.116)	240680	11.7057	234.1 (R)
33	Hexachlorocyclopentadiene	237	11.520	11.510	(0.896)	170100	19.0693	381.4
34	2,4,6-Trichlorophenol	196	11.654	11.644	(0.907)	105061	10.5963	211.9 (R)
35	2,4,5-Trichlorophenol	196	11.712	11.703	(0.911)	114069	11.8780	237.6
$ 36	2-Fluorobiphenyl	172	11.782	11.777	(0.917)	308132	9.85408	197.1 (R)
37	2-Chloronaphthalene	162	11.915	11.906	(0.927)	273444	10.1782	203.6 (R)
38	2-Nitroaniline	65	12.150	12.141	(0.946)	142715	11.8611	237.2
39	Dimethylphthalate	163	12.535	12.525	(0.975)	351822	12.9418	258.8 (R)
40	Acenaphthylene	152	12.594	12.584	(0.980)	447124	10.8572	217.1 (R)
41	2,6-Dinitrotoluene	165	12.626	12.616	(0.983)	76532	11.3181	226.4 (R)
* 42	Acenaphthene-d10	164	12.850	12.841	(1.000)	401615	20.0000	
43	3-Nitroaniline	138	12.834	12.825	(0.999)	188924	29.2582	585.2
44	Acenaphthene	153	12.904	12.894	(1.004)	285374	10.9793	219.6 (R)
45	2,4-Dinitrophenol	184	13.000	12.995	(1.012)	222251	44.3746	887.5
46	Dibenzofuran	168	13.165	13.156	(1.025)	439414	12.0671	241.3 (R)
47	4-Nitrophenol	109	13.149	13.145	(1.023)	78063	13.2251	264.5
48	2,4-Dinitrotoluene	165	13.256	13.241	(1.032)	103508	12.5847	251.7
50	Diethylphthalate	149	13.700	13.695	(1.066)	369690	13.4524	269.0 (R)
49	Fluorene	166	13.721	13.711	(1.068)	335977	11.6813	233.6 (R)
51	4-Chlorophenyl-phenylether	204	13.753	13.743	(1.070)	183316	11.4377	228.8 (R)
52	4-Nitroaniline	138	13.833	13.823	(1.076)	54784	9.47955	189.6
53	4,6-Dinitro-2-methylphenol	198	13.913	13.904	(0.913)	261084	39.5304	790.6
54	N-Nitrosodiphenylamine	169	13.961	13.952	(0.917)	223327	13.4333	268.7
$ 55	2,4,6-Tribromophenol	330	14.148	14.139	(1.101)	79772	20.4726	409.5
56	4-Bromophenyl-phenylether	248	14.538	14.529	(0.954)	103489	11.4661	229.3 (R)
57	Hexachlorobenzene	284	14.757	14.742	(0.969)	101897	11.0965	221.9 (R)
58	Pentachlorophenol	266	15.056	15.047	(0.988)	68688	11.9212	238.4
* 59	Phenanthrene-d10	188	15.233	15.223	(1.000)	652120	20.0000	
60	Phenanthrene	178	15.270	15.261	(1.002)	511994	12.2368	244.7 (R)
61	Anthracene	178	15.345	15.335	(1.007)	458550	10.9453	218.9 (R)
62	Carbazole	167	15.633	15.624	(1.026)	473037	12.6935	253.9 (R)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	16.365	16.350	(1.074)	608635	14.0069	280.1(R)
64	Fluoranthene	202	17.215	17.205	(1.130)	625461	13.0719	261.4(R)
65	Pyrene	202	17.573	17.563	(0.898)	622792	13.3203	266.4
$ 66	Terphenyl-d14	244	17.898	17.884	(0.915)	418340	14.2949	285.9
67	Butylbenzylphthalate	149	18.791	18.776	(0.960)	280217	13.6302	272.6
68	Benzo(a)anthracene	228	19.538	19.529	(0.999)	594858	11.6624	233.2(R)
* 69	Chrysene-d12	240	19.565	19.556	(1.000)	650993	20.0000	
70	3,3'-Dichlorobenzidine	252	19.555	19.545	(0.999)	278160	13.3248	266.5
71	Chrysene	228	19.608	19.598	(1.002)	567597	12.3830	247.7(R)
72	bis(2-Ethylhexyl)phthalate	149	19.795	19.785	(0.955)	408852	14.1411	282.8
* 134	Di-n-octylphthalate-d4	153	20.735	20.720	(1.000)	956174	20.0000	
73	Di-n-octylphthalate	149	20.740	20.731	(1.000)	748665	13.5743	271.5
74	Benzo(b)fluoranthene	252	21.200	21.190	(0.976)	589137	14.0509	281.0
75	Benzo(k)fluoranthene	252	21.237	21.228	(0.977)	651030	14.6781	293.6
76	Benzo(a)pyrene	252	21.649	21.639	(0.996)	469780	12.2053	244.1(R)
* 77	Perylene-d12	264	21.729	21.719	(1.000)	583887	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	23.219	23.215	(1.069)	575234	12.6017	252.0
79	Dibenzo(a,h)anthracene	278	23.246	23.236	(1.070)	491835	12.8244	256.5
80	Benzo(g,h,i)perylene	276	23.620	23.616	(1.087)	360899	7.90624	158.1
90	N-Nitrosodimethylamine	74	3.170	3.139	(0.401)	101547	8.67156	173.4
91	Aniline	93	7.460	7.456	(0.943)	244199	8.91502	178.3
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	3.165	3.118	(0.400)	150014	8.65404	173.1
105	1-methylnaphthalene	141	11.301	11.297	(1.133)	241028	11.7552	235.1
111	Azobenzene (1,2-DP-Hydrazine)	77	14.004	14.000	(1.090)	483606	12.0889	241.8

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: lr71sb.d
Lab Smp Id: LR71LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR/VTS
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

Calibration Date: 18-OCT-2007
Calibration Time: 10:07
Client Smp ID: LR71LCSS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	212076	106038	424152	204541	-3.55
27 Naphthalene-d8	656578	328289	1313156	663850	1.11
42 Acenaphthene-d10	353705	176852	707410	401615	13.55
59 Phenanthrene-d10	526440	263220	1052880	652120	23.87
69 Chrysene-d12	581923	290962	1163846	650993	11.87
134 Di-n-octylphthala	979097	489548	1958194	956174	-2.34
77 Perylene-d12	686531	343266	1373062	583887	-14.95

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.90	7.40	8.40	7.91	0.05
27 Naphthalene-d8	9.96	9.46	10.46	9.97	0.10
42 Acenaphthene-d10	12.84	12.34	13.34	12.85	0.07
59 Phenanthrene-d10	15.22	14.72	15.72	15.23	0.06
69 Chrysene-d12	19.56	19.06	20.06	19.57	0.05
134 Di-n-octylphthala	20.72	20.22	21.22	20.74	0.07
77 Perylene-d12	21.72	21.22	22.22	21.73	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.

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20071018.b/SW846.m
Misc Info: 07-20770

Client SDG: LR71
Fraction: SV
Client Smp ID: LR71LCSS1
Operator: LJR/VTS
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	500.0	231.8	46.36	45-89
4	Bis(2-Chloroethyl)	500.0	226.2	45.24	42-82
6	2-Chlorophenol	500.0	226.8	45.36*	46-80
7	1,3-Dichlorobenzen	500.0	205.6	41.12*	45-76
9	1,4-Dichlorobenzen	500.0	203.7	40.74*	45-76
11	Benzyl alcohol	1000	472.6	47.26	36-79
12	1,2-Dichlorobenzen	500.0	210.8	42.16*	44-78
13	2-Methylphenol	500.0	245.7	49.13	47-82
14	2,2'-oxybis(1-Chlo	500.0	236.6	47.32	36-96
15	4-Methylphenol	1000	514.0	51.40	47-86
16	N-Nitroso-di-n-pro	500.0	195.1	39.03*	42-84
17	Hexachloroethane	500.0	199.2	39.85*	40-77
19	Nitrobenzene	500.0	211.1	42.22	35-94
20	Isophorone	500.0	247.5	49.50*	50-86
21	2-Nitrophenol	500.0	218.8	43.75*	46-84
22	2,4-Dimethylphenol	500.0	136.6	27.31*	30-76
23	Bis(2-Chloroethoxy	500.0	230.8	46.16*	48-81
24	Benzoic acid	1500	828.3	55.22	39-103
25	2,4-Dichlorophenol	500.0	229.3	45.85*	50-85
26	1,2,4-Trichloroben	500.0	199.7	39.94*	45-81
28	Naphthalene	500.0	212.5	42.51*	46-80
29	4-Chloroaniline	1200	276.1	23.01	15-79
30	Hexachlorobutadien	500.0	194.6	38.92*	44-79
31	4-Chloro-3-methylp	500.0	258.6	51.72	50-89
32	2-Methylnaphthalen	500.0	234.1	46.82*	49-81
33	Hexachlorocyclopen	1500	381.4	25.43	17-98
34	2,4,6-Trichlorophe	500.0	211.9	42.38*	48-89
35	2,4,5-Trichlorophe	500.0	237.6	47.51	47-91
37	2-Chloronaphthalen	500.0	203.6	40.71*	50-83
38	2-Nitroaniline	500.0	237.2	47.44	45-96
39	Dimethylphthalate	500.0	258.8	51.77*	53-87
40	Acenaphthylene	500.0	217.1	43.43*	51-84
41	2,6-Dinitrotoluene	500.0	226.4	45.27*	49-95

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43 3-Nitroaniline	1280	585.2	45.72	36-92
44 Acenaphthene	500.0	219.6	43.92*	51-83
45 2,4-Dinitrophenol	1500	887.5	59.17	10-191
46 Dibenzofuran	500.0	241.3	48.27*	50-86
47 4-Nitrophenol	500.0	264.5	52.90	44-98
48 2,4-Dinitrotoluene	500.0	251.7	50.34	50-98
49 Fluorene	500.0	233.6	46.73*	52-86
50 Diethylphthalate	500.0	269.0	53.81*	55-89
51 4-Chlorophenyl-phe	500.0	228.8	45.75*	51-85
52 4-Nitroaniline	500.0	189.6	37.92	30-87
53 4,6-Dinitro-2-meth	1500	790.6	52.71	10-136
54 N-Nitrosodiphenyla	500.0	268.7	53.73	28-158
56 4-Bromophenyl-phen	500.0	229.3	45.86*	50-90
57 Hexachlorobenzene	500.0	221.9	44.39*	49-91
58 Pentachlorophenol	500.0	238.4	47.68	40-100
60 Phenanthrene	500.0	244.7	48.95*	51-91
61 Anthracene	500.0	218.9	43.78*	51-86
62 Carbazole	500.0	253.9	50.77*	51-89
63 Di-n-butylphthalat	500.0	280.1	56.03*	58-95
64 Fluoranthene	500.0	261.4	52.29*	54-94
65 Pyrene	500.0	266.4	53.28	46-100
67 Butylbenzylphthala	500.0	272.6	54.52	51-99
68 Benzo(a)anthracene	500.0	233.2	46.65*	52-90
70 3,3'-Dichlorobenzi	1280	266.5	20.82	10-86
71 Chrysene	500.0	247.7	49.53*	51-93
72 bis(2-Ethylhexyl)p	500.0	282.8	56.56	36-111
73 Di-n-octylphthalat	500.0	271.5	54.30	29-108
74 Benzo(b)fluoranthe	500.0	281.0	56.20	54-102
75 Benzo(k)fluoranthe	500.0	293.6	58.71	45-107
76 Benzo(a)pyrene	500.0	244.1	48.82*	52-95
78 Indeno(1,2,3-cd)py	500.0	252.0	50.41	34-105
79 Dibenzo(a,h)anthra	500.0	256.5	51.30	36-112
80 Benzo(g,h,i)peryle	500.0	158.1	31.62	25-116

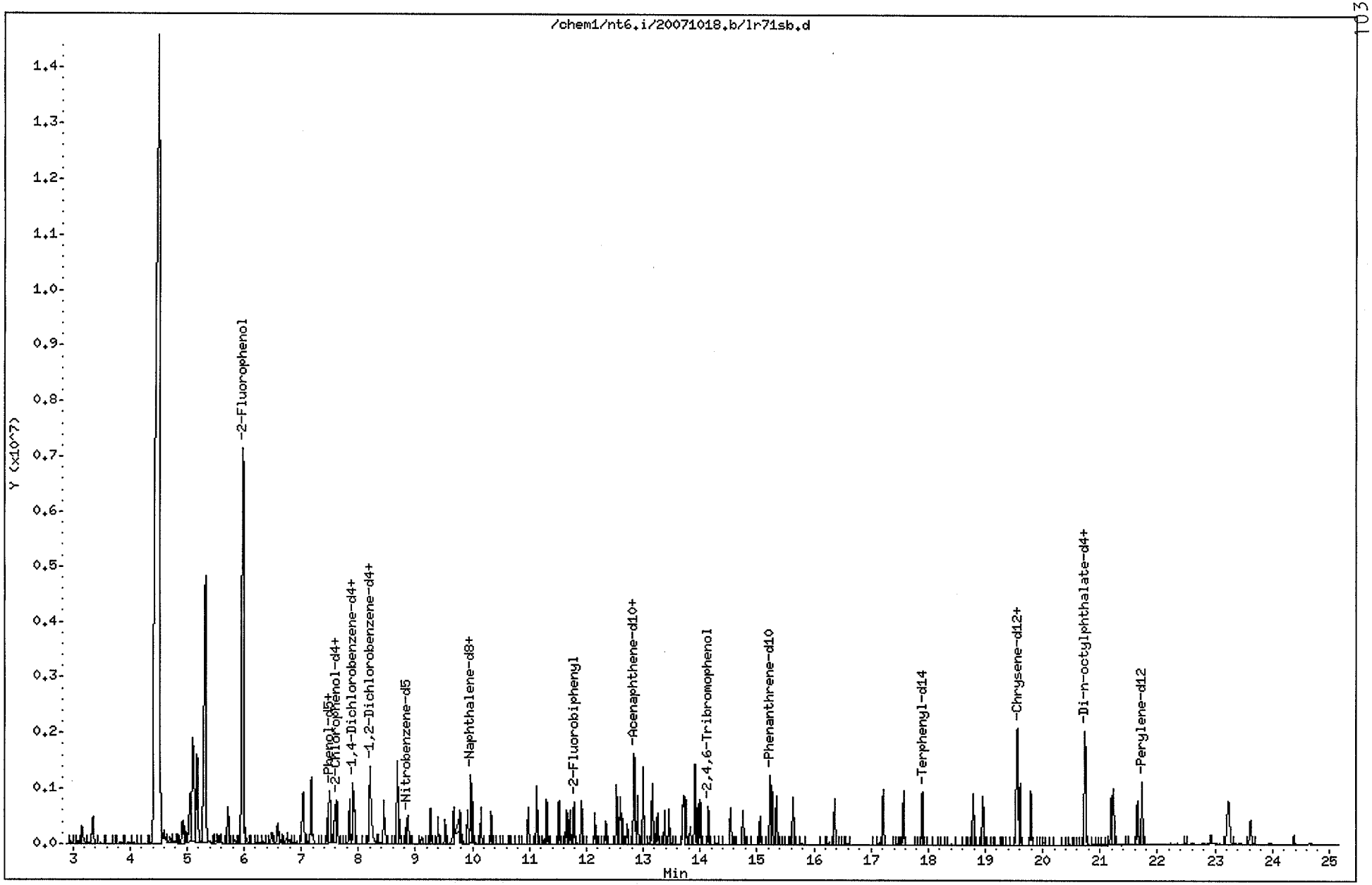
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	414.1	55.21	26-83
$ 2 Phenol-d5	750.0	364.7	48.63	42-82
$ 5 2-Chlorophenol-d4	750.0	344.8	45.98	43-80
$ 10 1,2-Dichlorobenzen	500.0	191.7	38.33	38-79
$ 18 Nitrobenzene-d5	500.0	211.2	42.24	42-79
$ 36 2-Fluorobiphenyl	500.0	197.1	39.42*	43-80
$ 55 2,4,6-Tribromophen	750.0	409.5	54.59	41-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	500.0	285.9	57.18	39-105

Data File: /chem1/nt6.i/20071018.b/lr71sb.d
Date : 18-OCT-2007 11:15
Client ID: LR71LCSS1
Sample Info: LR71LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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

1034



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-102707**
 METHOD BLANK

Lab Sample ID: MB-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Data Release Authorized: Date Sampled: NA
Reported: 01/25/08 Date Received: NA

Date Extracted: 10/27/07 Sample Amount: 50.0 g
Date Analyzed: 11/01/07 15:06 Final Extract Volume: 1.0 mL
Instrument/Analyst: NT4/LJR Dilution Factor: 1.00
GPC Cleanup: Yes Percent Moisture: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
67-72-1	Hexachloroethane	20	< 20 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
120-82-1	1,2,4-Trichlorobenzene	10	< 10 UJ
91-20-3	Naphthalene	20	< 20 U
87-68-3	Hexachlorobutadiene	20	< 20 U
91-57-6	2-Methylnaphthalene	20	< 20 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
83-32-9	Acenaphthene	20	< 20 U
132-64-9	Dibenzofuran	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
86-73-7	Fluorene	20	< 20 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
118-74-1	Hexachlorobenzene	10	< 10 UJ
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**22**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U

1035

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EB 1/30/08

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-102707**
Page 2 of 2 **METHOD BLANK**

Lab Sample ID: MB-102707 QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 15:06

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.2%	2-Fluorobiphenyl	72.4%
d14-p-Terphenyl	83.2%	d4-1,2-Dichlorobenzene	68.8%
d5-Phenol	74.4%	2-Fluorophenol	62.9%
2,4,6-Tribromophenol	72.5%	d4-2-Chlorophenol	73.1%

1036

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EB 1/30/08

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lu10mb.d
Lab Smp Id: LU10MBS1 Client Smp ID: LU10MBS1
Inj Date : 01-NOV-2007 15:06
Operator : VTS Inst ID: nt4.i
Smp Info : LU10MBS1
Misc Info : 07-21929
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:41 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 11/2/07

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	50.00000	Weight of sample extracted (g)
M	0.00000	% 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	4.812	4.748	(0.706)	300406	23.6048	472.1
$	2 Phenol-d5	99	6.489	6.489	(0.952)	397040	27.8727	557.5
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	6.521	6.521	(0.957)	289032	27.3538	547.1
	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	6.815	6.820	(1.000)	150402	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.114	7.114	(1.044)	117077	17.2201	344.4
	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.					

		QUANT SIG				CONCENTRATIONS	
Compounds		MASS	RT	EXP RT REL RT	RESPONSE	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	7.771	7.771 (0.876)	268660	18.2643	365.3
	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	8.866	8.872 (1.000)	557632	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	10.672	10.677 (0.914)	369811	18.0556	361.1
	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	11.682	11.682 (1.000)	296628	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	12.953	12.953 (1.109)	69372	27.1675	543.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.				
	57 Hexachlorobenzene	284	Compound Not Detected.				
	58 Pentachlorophenol	266	Compound Not Detected.				
*	59 Phenanthrene-d10	188	13.995	14.000 (1.000)	428044	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	Compound Not Detected.					
65	Pyrene	202	Compound Not Detected.					
$ 66	Terphenyl-d14	244	16.634	16.634	(0.913)	357059	20.8071	416.1
67	Butylbenzylphthalate	149	Compound Not Detected.					
68	Benzo(a)anthracene	228	Compound Not Detected.					
* 69	Chrysene-d12	240	18.215	18.221	(1.000)	370917	20.0000	
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71	Chrysene	228	Compound Not Detected.					
72	bis(2-Ethylhexyl)phthalate	149	18.573	18.578	(0.953)	17814	1.11337	22.27
* 134	Di-n-octylphthalate-d4	153	19.497	19.503	(1.000)	507823	20.0000	
73	Di-n-octylphthalate	149	Compound Not Detected.					
74	Benzo(b)fluoranthene	252	Compound Not Detected.					
75	Benzo(k)fluoranthene	252	Compound Not Detected.					
76	Benzo(a)pyrene	252	Compound Not Detected.					
* 77	Perylene-d12	264	20.320	20.325	(1.000)	385229	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79	Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80	Benzo(g,h,i)perylene	276	Compound Not Detected.					
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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lu10mb.d
Lab Smp Id: LU10MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-21929

Calibration Date: 01-NOV-2007
Calibration Time: 14:35
Client Smp ID: LU10MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	150402	3.45
27 Naphthalene-d8	530525	265262	1061050	557632	5.11
42 Acenaphthene-d10	280701	140350	561402	296628	5.67
59 Phenanthrene-d10	391934	195967	783868	428044	9.21
69 Chrysene-d12	354658	177329	709316	370917	4.58
134 Di-n-octylphthala	506314	253157	1012628	507823	0.30
77 Perylene-d12	400782	200391	801564	385229	-3.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	-0.08
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.06
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.00
59 Phenanthrene-d10	14.00	13.50	14.50	13.99	-0.04
69 Chrysene-d12	18.22	17.72	18.72	18.22	-0.03
134 Di-n-octylphthala	19.50	19.00	20.00	19.50	-0.03
77 Perylene-d12	20.33	19.83	20.83	20.32	-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

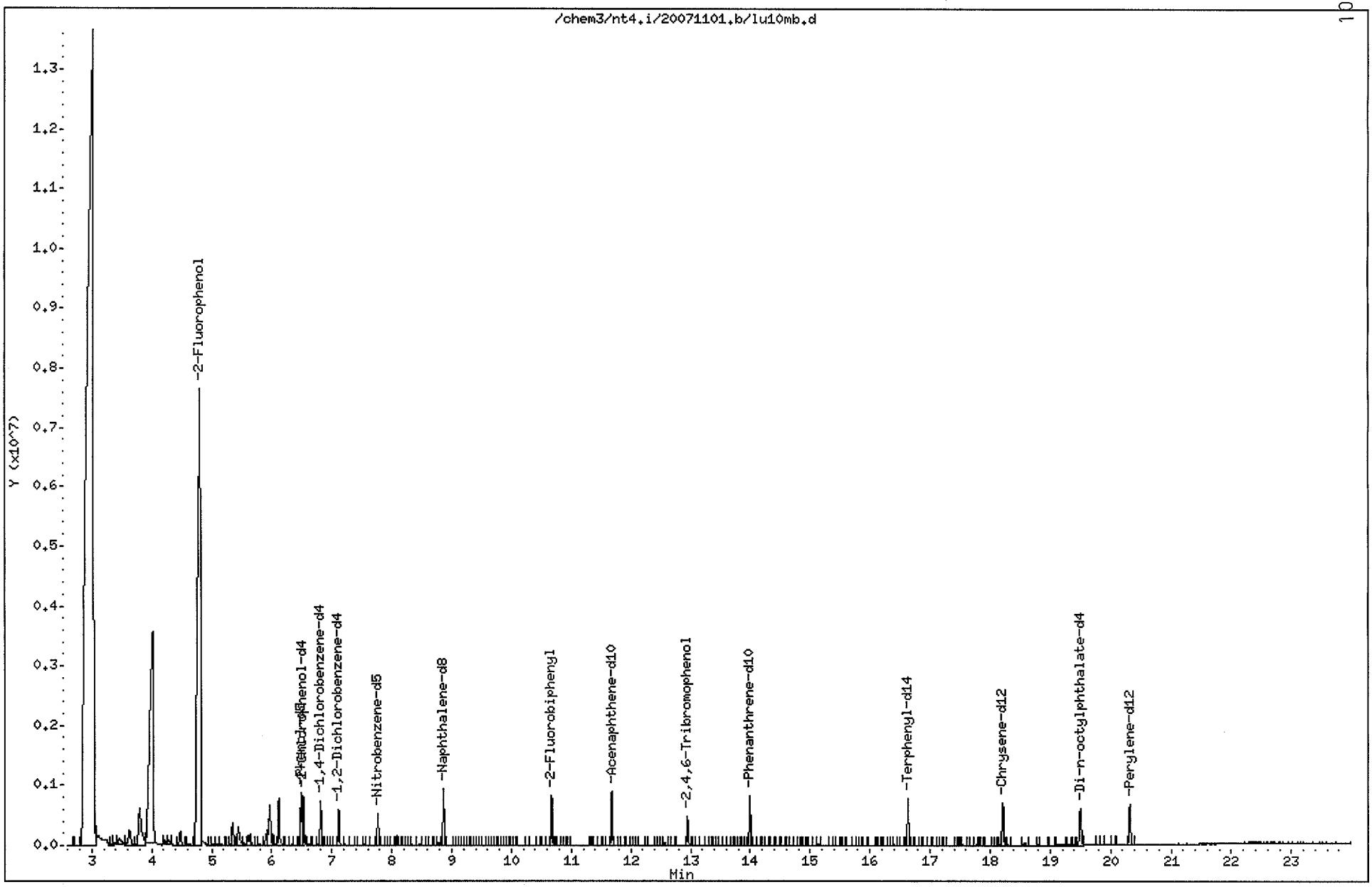
Client Name: Hart Crowser, Inc. Client SDG: LU10
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: LU10MBS1 Client Smp ID: LU10MBS1
Level: LOW Operator: VTS
Data Type: MS DATA SampleType: BLANK
SpikeList File: PSDDALCS.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-21929

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	472.1	62.95	11-84
$ 2 Phenol-d5	750.0	557.5	74.33	25-86
$ 5 2-Chlorophenol-d4	750.0	547.1	72.94	23-91
$ 10 1,2-Dichlorobenzen	500.0	344.4	68.88	24-90
$ 18 Nitrobenzene-d5	500.0	365.3	73.06	26-88
$ 36 2-Fluorobiphenyl	500.0	361.1	72.22	34-91
$ 55 2,4,6-Tribromophen	750.0	543.3	72.45	25-107
$ 66 Terphenyl-d14	500.0	416.1	83.23	22-100

Data File: /chem3/nt4.i/20071101.b/lu10mb.d
Date : 01-NOV-2007 15:06
Client ID: LU10MBS1
Sample Info: LU10MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

1042



Data File: /chem3/nt4.i/20071101.b/lu10mb.d

Date : 01-NOV-2007 15:06

Client ID: LU10MBS1

Instrument: nt4.i

Sample Info: LU10MBS1

Volume Injected (uL): 1.0

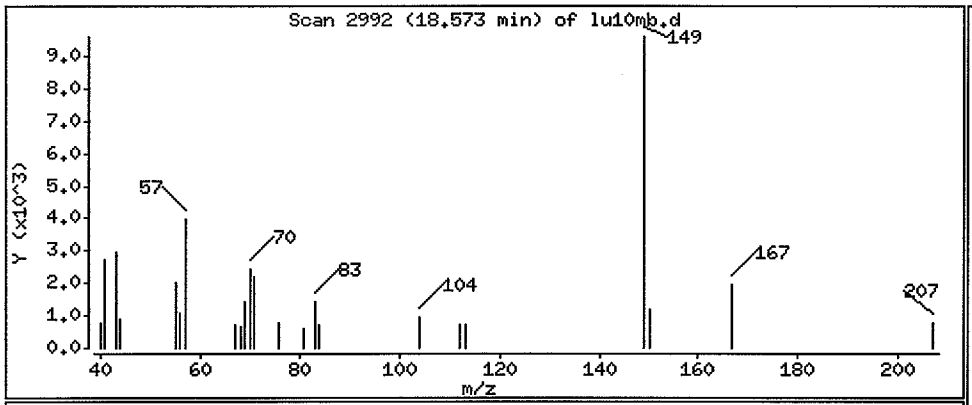
Operator: VTS

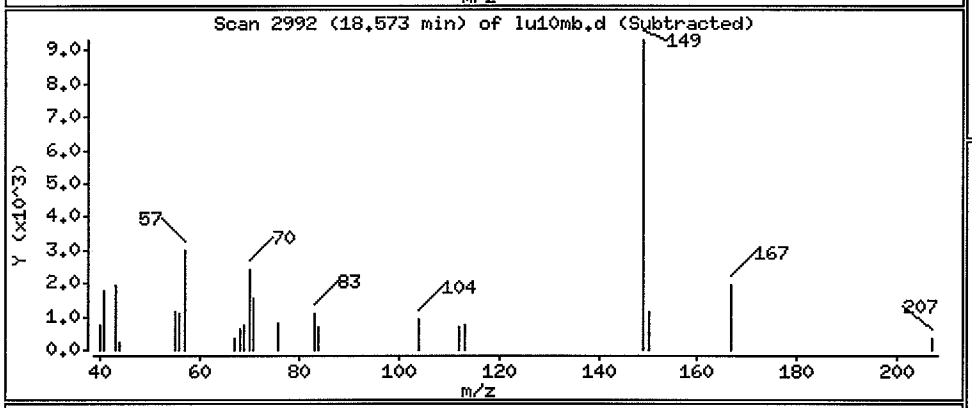
Column phase: ZB-5

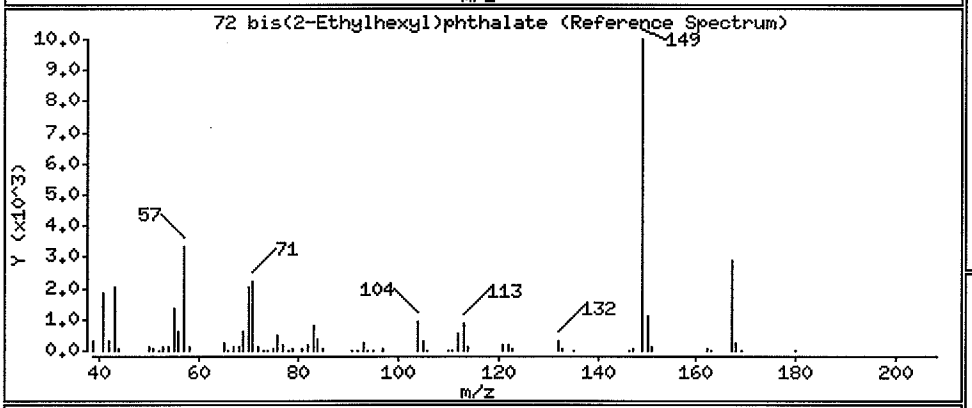
Column diameter: 0.32

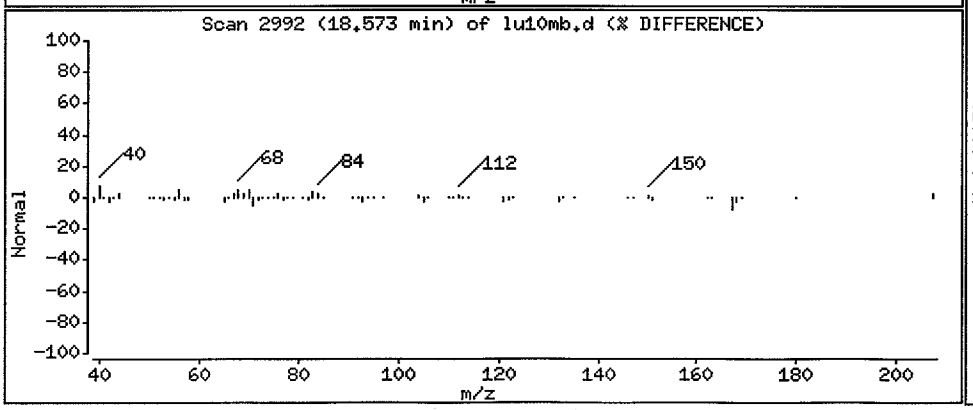
72 bis(2-Ethylhexyl)phthalate

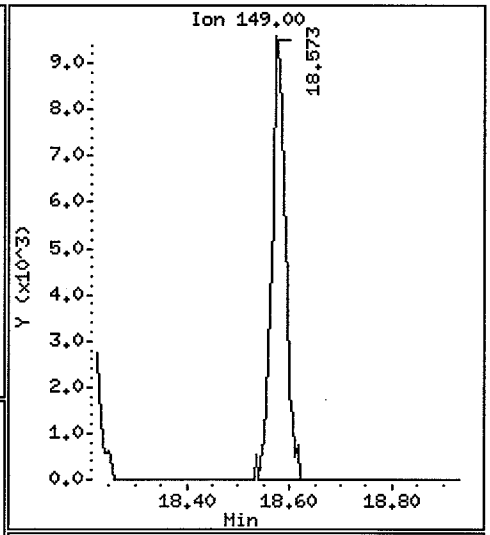
Concentration: 22.27 ug/kg

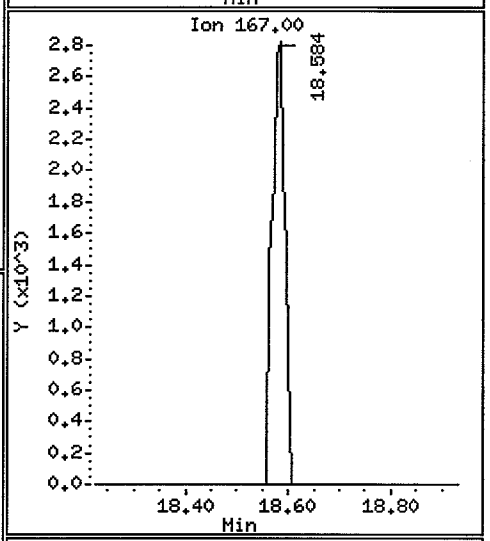


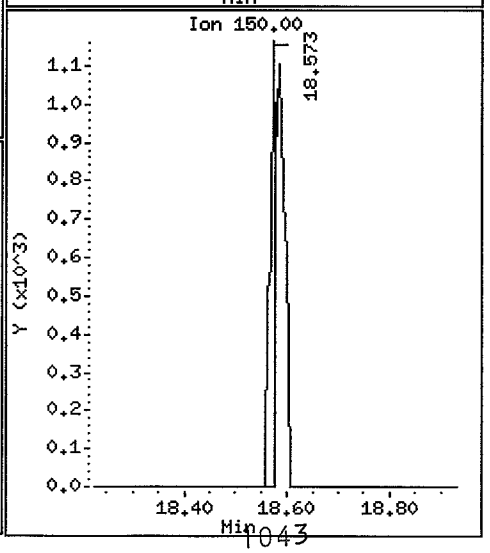












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
 MATRIX SPIKE

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 19:16
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	98	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
MATRIX SPIKE

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Date Analyzed: 11/01/07 19:16

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	58.8%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	52.8%
d5-Phenol	60.5%	2-Fluorophenol	46.9%
2,4,6-Tribromophenol	58.9%	d4-2-Chlorophenol	59.2%

Data File: /chem3/nt4.i/20071101.b/lr71ems2.d
Report Date: 02-Nov-2007 11:40

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71ems2.d
Lab Smp Id: LR71EMSRE
Inj Date : 01-NOV-2007 19:16
Operator : VTS
Smp Info : LR71EMSRE
Misc Info : 07-23292
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:40 jeff
Cal Date : 01-OCT-2007 11:04
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 3.50

Client Smp ID: AN-SS-10-070928 MS

Inst ID: nt4.i

LJK 11/2/07

Quant Type: ISTD
Cal File: 0801001.d
QC Sample: MS

Compound Sublist: PSDDA.sub

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	65.70000	Weight of sample extracted (g)
M	22.70000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$ 1 2-Fluorophenol	112	4.853	4.748	(0.711)	252639	17.6018	346.6
$ 2 Phenol-d5	99	6.515	6.489	(0.955)	364414	22.6833	446.6
3 Phenol	94	6.531	6.505	(0.957)	458705	24.0417	473.4 (R)
$ 5 2-Chlorophenol-d4	132	6.541	6.521	(0.958)	264342	22.1822	436.8
4 Bis(2-Chloroethyl)ether	93	6.541	6.532	(0.958)	240562	16.3615	322.2
6 2-Chlorophenol	128	6.563	6.548	(0.962)	203904	14.8447	292.3
7 1,3-Dichlorobenzene	146	6.755	6.746	(0.990)	187509	13.3366	262.6
* 8 1,4-Dichlorobenzene-d4	152	6.825	6.820	(1.000)	169624	20.0000	
9 1,4-Dichlorobenzene	146	6.851	6.842	(1.004)	193207	13.6349	268.5
$ 10 1,2-Dichlorobenzene-d4	152	7.124	7.114	(1.044)	101114	13.1869	259.7
12 1,2-Dichlorobenzene	146	7.145	7.141	(1.047)	185789	13.9990	275.6
11 Benzyl alcohol	108	7.172	7.162	(1.051)	272871	31.3416	617.1 (M)
14 2,2'-oxybis(1-Chloropropane)	45	7.428	7.429	(1.088)	270930	15.1843	299.0
13 2-Methylphenol	108	7.460	7.445	(1.093)	205882	16.3345	321.6
17 Hexachloroethane	117	7.631	7.627	(1.118)	75458	11.7276	230.9

Data File: /chem3/nt4.i/20071101.b/lr71ems2.d
Report Date: 02-Nov-2007 11:40

	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	7.647	7.643	(1.121)	178217	15.3043	301.3
	15 4-Methylphenol	108	7.706	7.686	(1.129)	462251	36.0309	709.5
$	18 Nitrobenzene-d5	82	7.776	7.771	(0.877)	231737	14.1364	278.4
	19 Nitrobenzene	77	7.802	7.803	(0.880)	265074	14.5929	287.3
	20 Isophorone	82	8.208	8.199	(0.925)	450935	15.7343	309.8
	21 2-Nitrophenol	139	8.326	8.322	(0.939)	104663	15.2539	300.4
	22 2,4-Dimethylphenol	107	8.518	8.509	(0.960)	213772	14.7169	289.8
	23 Bis(2-Chloroethoxy)methane	93	8.636	8.637	(0.974)	258607	15.0350	296.0
	24 Benzoic acid	105	8.828	8.813	(0.995)	473966	45.2865	891.7 (M)
	25 2,4-Dichlorophenol	162	8.732	8.722	(0.984)	155306	15.8413	311.9
	26 1,2,4-Trichlorobenzene	180	8.828	8.829	(0.995)	158757	13.6985	269.7
*	27 Naphthalene-d8	136	8.871	8.872	(1.000)	621446	20.0000	
	28 Naphthalene	128	8.903	8.899	(1.004)	589669	15.4557	304.3
	29 4-Chloroaniline	127	9.122	9.086	(1.028)	32983	2.05224	40.41 (RM)
	30 Hexachlorobutadiene	225	9.245	9.246	(1.042)	90047	13.4205	264.3
	31 4-Chloro-3-methylphenol	107	9.955	9.946	(1.122)	173944	14.3679	282.9
	32 2-Methylnaphthalene	141	10.014	10.015	(1.129)	304144	15.6492	308.1
	33 Hexachlorocyclopentadiene	237	10.399	10.405	(0.890)	46172	7.54531	148.6 (R)
	34 2,4,6-Trichlorophenol	196	10.553	10.549	(0.903)	117846	17.4129	342.9
	35 2,4,5-Trichlorophenol	196	10.618	10.608	(0.909)	109213	15.0749	296.8
$	36 2-Fluorobiphenyl	172	10.676	10.677	(0.914)	342671	14.6948	289.3
	37 2-Chloronaphthalene	162	10.772	10.774	(0.922)	333496	15.1114	297.5
	38 2-Nitroaniline	65	11.040	11.035	(0.945)	133682	13.9258	274.2
	39 Dimethylphthalate	163	11.440	11.436	(0.979)	338099	14.0757	277.2
	40 Acenaphthylene	152	11.430	11.431	(0.978)	510516	15.4567	304.3
	41 2,6-Dinitrotoluene	165	11.510	11.511	(0.985)	81616	14.8655	292.7
*	42 Acenaphthene-d10	164	11.686	11.682	(1.000)	337720	20.0000	
	43 3-Nitroaniline	138	11.718	11.709	(1.003)	38795	6.00945	118.3 (R)
	44 Acenaphthene	153	11.734	11.730	(1.004)	312395	14.2479	280.5
	45 2,4-Dinitrophenol	184	11.873	11.869	(1.016)	128521	42.0372	827.7
	46 Dibenzofuran	168	11.990	11.992	(1.026)	444466	15.5645	306.5
	47 4-Nitrophenol	109	12.103	12.088	(1.036)	72719	15.9453	314.0
	48 2,4-Dinitrotoluene	165	12.119	12.120	(1.037)	106412	14.6616	288.7
	50 Diethylphthalate	149	12.583	12.585	(1.077)	366067	15.5336	305.9
	49 Fluorene	166	12.535	12.537	(1.073)	368869	15.1378	298.1
	51 4-Chlorophenyl-phenylether	204	12.599	12.595	(1.078)	171139	14.3199	282.0
	52 4-Nitroaniline	138	12.685	12.681	(1.085)	26067	4.04350	79.62 (R)
	53 4,6-Dinitro-2-methylphenol	198	12.754	12.756	(0.911)	167695	46.5607	916.8
	54 N-Nitrosodiphenylamine	169	12.808	12.809	(0.915)	235725	21.6547	426.4
$	55 2,4,6-Tribromophenol	330	12.957	12.953	(1.109)	64142	22.0629	434.4
	56 4-Bromophenyl-phenylether	248	13.358	13.359	(0.954)	88448	16.0842	316.7
	57 Hexachlorobenzene	284	13.540	13.541	(0.967)	93396	16.3366	321.7
	58 Pentachlorophenol	266	13.855	13.856	(0.990)	59104	17.6929	348.4
*	59 Phenanthrene-d10	188	13.999	14.000	(1.000)	442952	20.0000	
	60 Phenanthrene	178	14.037	14.032	(1.003)	606194	19.8017	389.9
	61 Anthracene	178	14.106	14.102	(1.008)	512557	16.5575	326.0
	62 Carbazole	167	14.421	14.412	(1.030)	437826	16.5301	325.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	15.206	15.197	(1.086)	561567	17.6383	347.3
	64 Fluoranthene	202	15.928	15.923	(1.138)	705640	21.2903	419.2
	65 Pyrene	202	16.264	16.260	(0.892)	670377	18.7375	369.0
$	66 Terphenyl-d14	244	16.643	16.634	(0.913)	301946	14.6193	287.9
	67 Butylbenzylphthalate	149	17.562	17.558	(0.963)	250405	16.6943	328.7
	68 Benzo(a)anthracene	228	18.203	18.199	(0.999)	582669	17.5613	345.8
*	69 Chrysene-d12	240	18.230	18.221	(1.000)	446427	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.284	18.258	(1.003)	7297	0.61935	12.20 (RM)
	71 Chrysene	228	18.267	18.258	(1.002)	589229	18.0540	355.5
	72 bis(2-Ethylhexyl)phthalate	149	18.588	18.578	(0.953)	408621	21.4808	423.0
*	134 Di-n-octylphthalate-d4	153	19.507	19.503	(1.000)	603758	20.0000	
	73 Di-n-octylphthalate	149	19.518	19.513	(1.001)	625094	17.9736	353.9
	74 Benzo(b)fluoranthene	252	19.827	19.818	(0.975)	654603	18.5988	366.2
	75 Benzo(k)fluoranthene	252	19.859	19.850	(0.977)	623784	16.7772	330.4
	76 Benzo(a)pyrene	252	20.255	20.245	(0.996)	512173	16.3401	321.7
*	77 Perylene-d12	264	20.335	20.325	(1.000)	516940	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.676	21.661	(1.066)	584694	16.9710	334.2
	79 Dibenzo(a,h)anthracene	278	21.713	21.693	(1.068)	515949	18.2340	359.0
	80 Benzo(g,h,i)perylene	276	21.959	21.944	(1.080)	336904	10.8565	213.8
	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	10.179	10.181	(1.148)	304426	15.4673	304.6
	111 Azobenzene (1,2-DP-Hydrazine)	77	12.840	12.841	(1.099)	521376	15.9492	314.0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /chem3/nt4.i/20071101.b/lr71ems2.d
Report Date: 02-Nov-2007 11:40

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt4.i
Lab File ID: lr71ems2.d
Lab Smp Id: LR71EMSRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Calibration Date: 01-NOV-2007
Calibration Time: 14:35
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	169624	16.67
27 Naphthalene-d8	530525	265262	1061050	621446	17.14
42 Acenaphthene-d10	280701	140350	561402	337720	20.31
59 Phenanthrene-d10	391934	195967	783868	442952	13.02
69 Chrysene-d12	354658	177329	709316	446427	25.88
134 Di-n-octylphthala	506314	253157	1012628	603758	19.25
77 Perylene-d12	400782	200391	801564	516940	28.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.06
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.01
42 Acenaphthene-d10	11.68	11.18	12.18	11.69	0.04
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	-0.01
69 Chrysene-d12	18.22	17.72	18.72	18.23	0.05
134 Di-n-octylphthala	19.50	19.00	20.00	19.51	0.02
77 Perylene-d12	20.33	19.83	20.83	20.33	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: LR71EMSRE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-10-070928 MS
Operator: VTS
SampleType: MS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	492.3	473.4	96.17*	45-89
4	Bis(2-Chloroethyl)	492.3	322.2	65.45	42-82
6	2-Chlorophenol	492.3	292.3	59.38	46-80
7	1,3-Dichlorobenzen	492.3	262.6	53.35	45-76
9	1,4-Dichlorobenzen	492.3	268.5	54.54	45-76
11	Benzyl alcohol	984.5	617.1	62.68	36-79
12	1,2-Dichlorobenzen	492.3	275.6	56.00	44-78
13	2-Methylphenol	492.3	321.6	65.34	47-82
14	2,2'-oxybis(1-Chlo	492.3	299.0	60.74	36-96
15	4-Methylphenol	984.5	709.5	72.06	47-86
16	N-Nitroso-di-n-pro	492.3	301.3	61.22	42-84
17	Hexachloroethane	492.3	230.9	46.91	40-77
19	Nitrobenzene	492.3	287.3	58.37	35-94
20	Isophorone	492.3	309.8	62.94	50-86
21	2-Nitrophenol	492.3	300.4	61.02	46-84
22	2,4-Dimethylphenol	492.3	289.8	58.87	30-76
23	Bis(2-Chloroethoxy	492.3	296.0	60.14	48-81
24	Benzoic acid	1477	891.7	60.38	39-103
25	2,4-Dichlorophenol	492.3	311.9	63.37	50-85
26	1,2,4-Trichloroben	492.3	269.7	54.79	45-81
28	Naphthalene	492.3	304.3	61.82	46-80
29	4-Chloroaniline	1181	40.41	3.42*	15-79
30	Hexachlorobutadien	492.3	264.3	53.68	44-79
31	4-Chloro-3-methylp	492.3	282.9	57.47	50-89
32	2-Methylnaphthalen	492.3	308.1	62.60	49-81
33	Hexachlorocyclopen	1477	148.6	10.06*	17-98
34	2,4,6-Trichlorophe	492.3	342.9	69.65	48-89
35	2,4,5-Trichlorophe	492.3	296.8	60.30	47-91
37	2-Chloronaphthalen	492.3	297.5	60.45	50-83
38	2-Nitroaniline	492.3	274.2	55.70	45-96
39	Dimethylphthalate	492.3	277.2	56.30	53-87
40	Acenaphthylene	492.3	304.3	61.83	51-84
41	2,6-Dinitrotoluene	492.3	292.7	59.46	49-95

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43	3-Nitroaniline	1260	118.3	9.39*	36-92
44	Acenaphthene	492.3	280.5	56.99	51-83
45	2,4-Dinitrophenol	1477	827.7	56.05	10-191
46	Dibenzofuran	492.3	306.5	62.26	50-86
47	4-Nitrophenol	492.3	314.0	63.78	44-98
48	2,4-Dinitrotoluene	492.3	288.7	58.65	50-98
49	Fluorene	492.3	298.1	60.55	52-86
50	Diethylphthalate	492.3	305.9	62.13	55-89
51	4-Chlorophenyl-phe	492.3	282.0	57.28	51-85
52	4-Nitroaniline	492.3	79.62	16.17*	30-87
53	4,6-Dinitro-2-meth	1477	916.8	62.08	10-136
54	N-Nitrosodiphenyla	492.3	426.4	86.62	28-158
56	4-Bromophenyl-phen	492.3	316.7	64.34	50-90
57	Hexachlorobenzene	492.3	321.7	65.35	49-91
58	Pentachlorophenol	492.3	348.4	70.77	40-100
60	Phenanthrene	492.3	389.9	79.21	51-91
61	Anthracene	492.3	326.0	66.23	51-86
62	Carbazole	492.3	325.5	66.12	51-89
63	Di-n-butylphthalat	492.3	347.3	70.55	58-95
64	Fluoranthene	492.3	419.2	85.16	54-94
65	Pyrene	492.3	369.0	74.95	46-100
67	Butylbenzylphthala	492.3	328.7	66.78	51-99
68	Benzo(a)anthracene	492.3	345.8	70.25	52-90
70	3,3'-Dichlorobenzi	1260	12.20	0.97*	10-86
71	Chrysene	492.3	355.5	72.22	51-93
72	bis(2-Ethylhexyl)p	492.3	423.0	85.92	36-111
73	Di-n-octylphthalat	492.3	353.9	71.89	29-108
74	Benzo(b)fluoranthe	492.3	366.2	74.40	54-102
75	Benzo(k)fluoranthe	492.3	330.4	67.11	45-107
76	Benzo(a)pyrene	492.3	321.7	65.36	52-95
78	Indeno(1,2,3-cd)py	492.3	334.2	67.88	34-105
79	Dibenzo(a,h)anthra	492.3	359.0	72.94	36-112
80	Benzo(g,h,i)peryle	492.3	213.8	43.43	25-116

OK

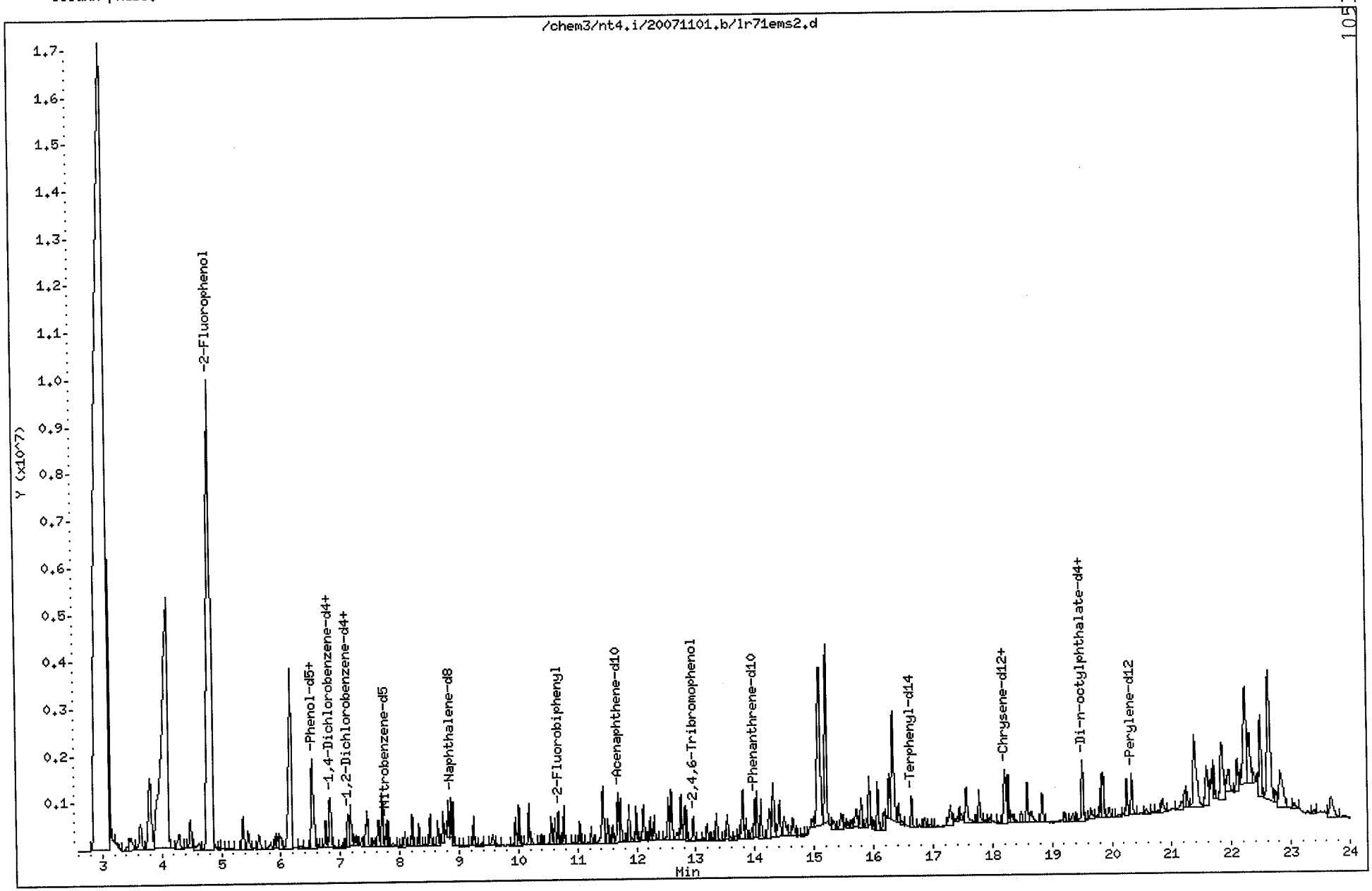
	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	738.4	346.6	46.94	11-84
$ 2	Phenol-d5	738.4	446.6	60.49	25-86
$ 5	2-Chlorophenol-d4	738.4	436.8	59.15	23-91
$ 10	1,2-Dichlorobenzen	492.3	259.7	52.75	24-90
$ 18	Nitrobenzene-d5	492.3	278.4	56.55	26-88
$ 36	2-Fluorobiphenyl	492.3	289.3	58.78	34-91
$ 55	2,4,6-Tribromophen	738.4	434.4	58.83	25-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	492.3	287.9	58.48	22-100

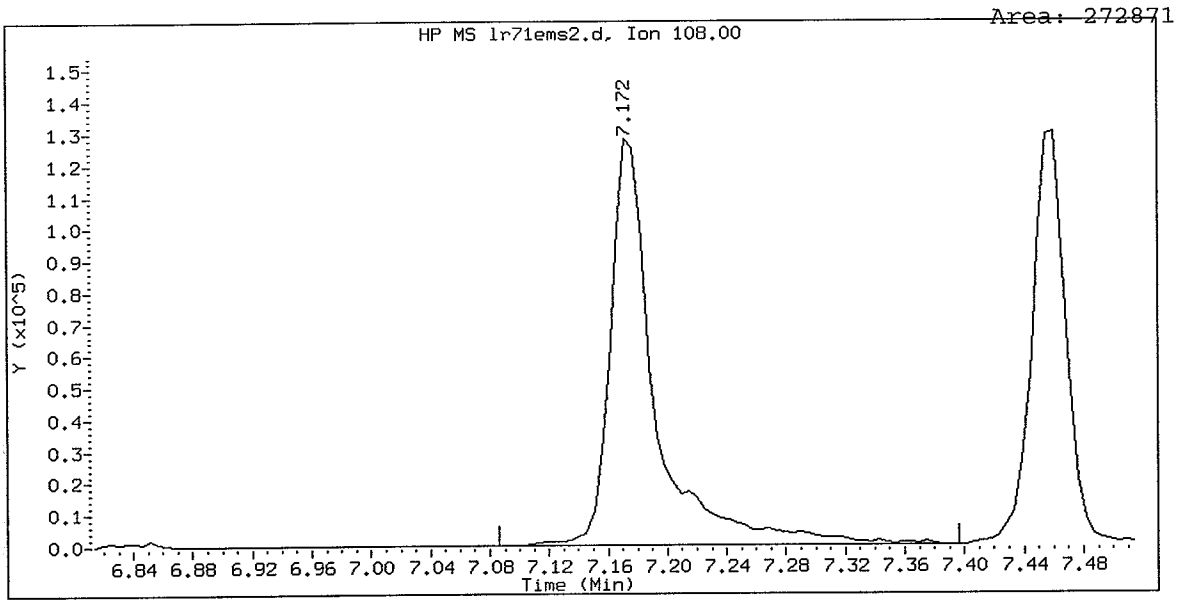
Data File: /chem3/nt4.i/20071101.b/lr71ems2.d
Date : 01-NOV-2007 19:16
Client ID: AN-SS-10-070928 MS
Sample Info: LR71EMSRE
Volume Injected (uL): 1.0
Column phase: ZB-5

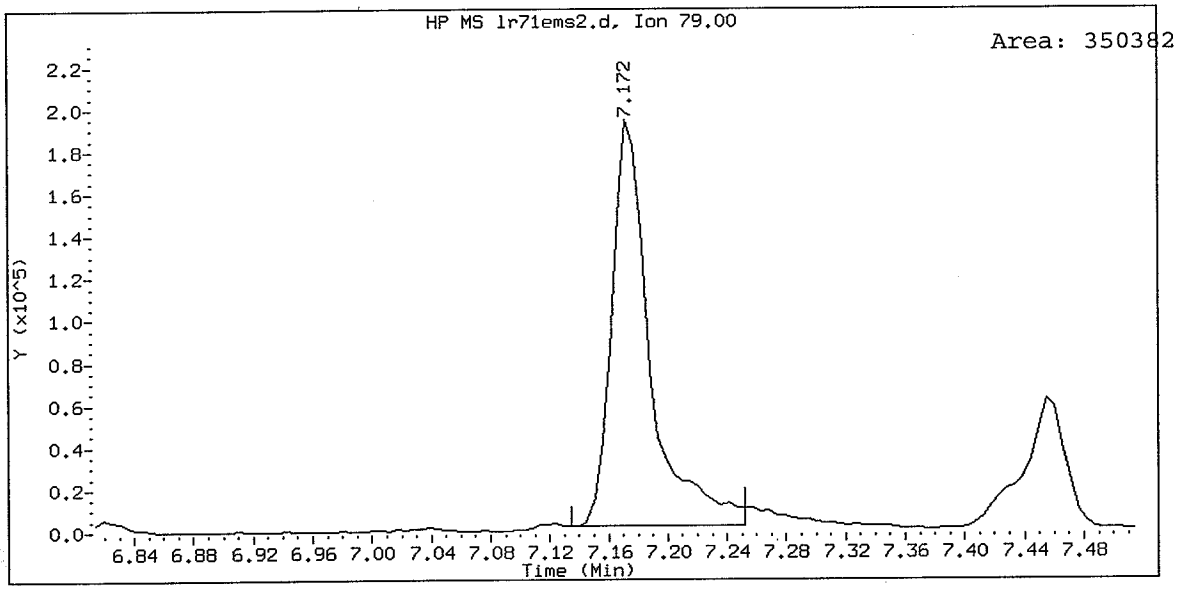
Instrument: nt4.i

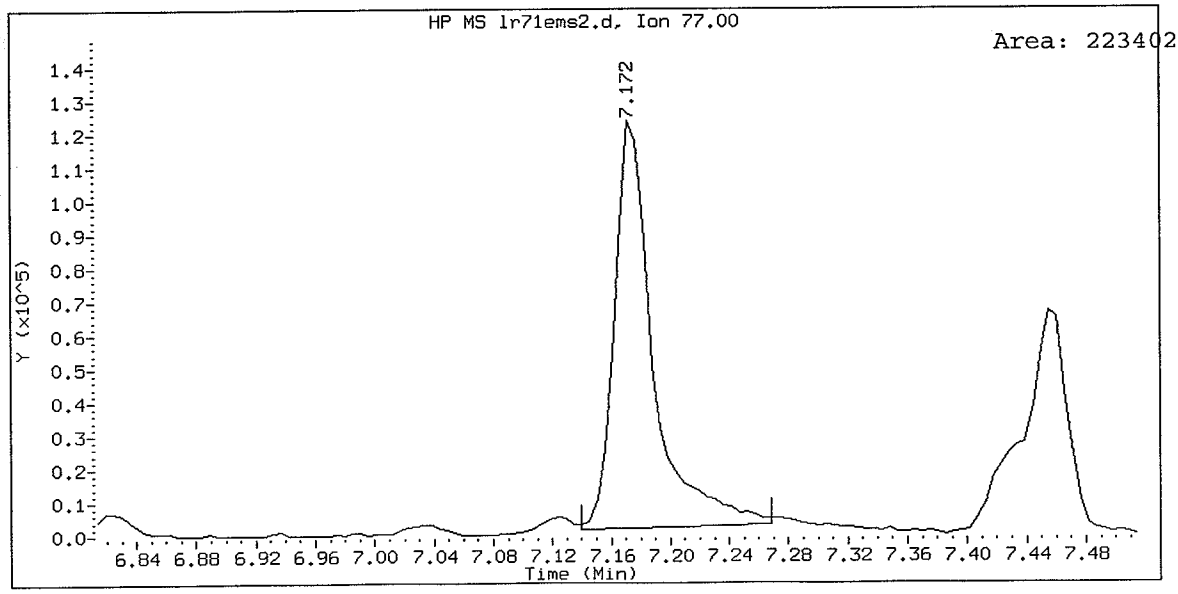
Operator: VTS
Column diameter: 0.32



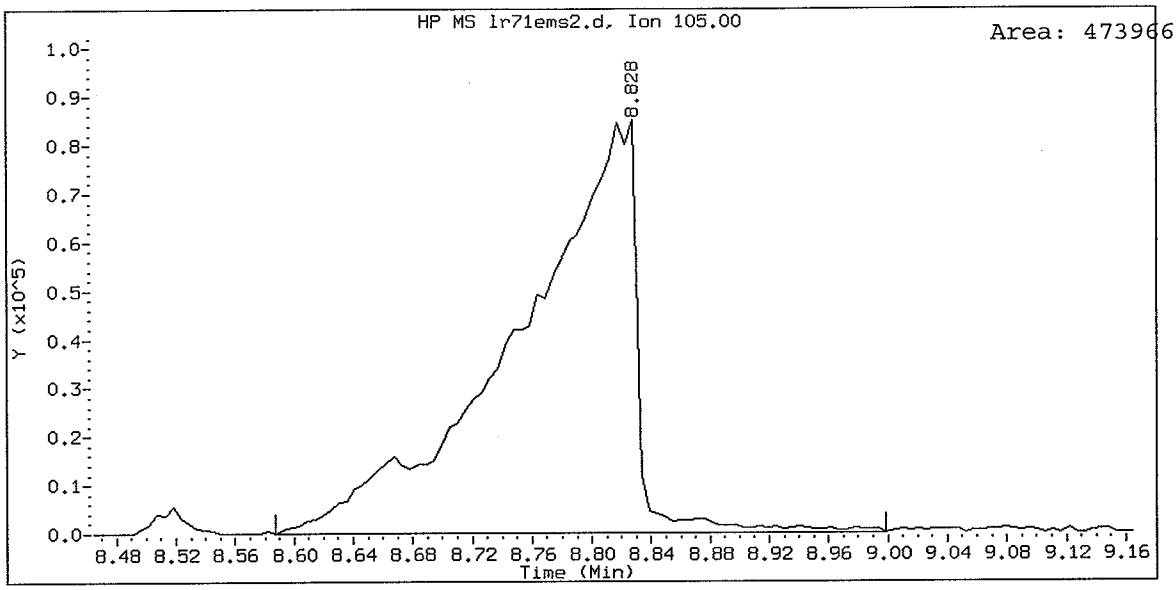
LR71EMSRE, /chem3/nt4.i/20071101.b/lr71ems2.d
Benzyl alcohol Amount: 31.34

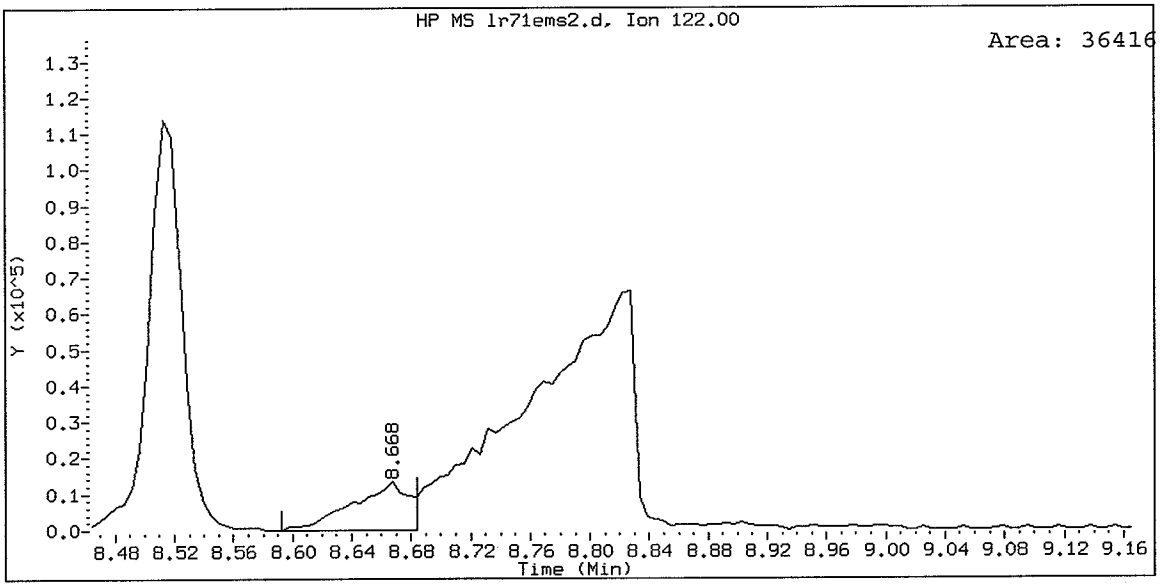


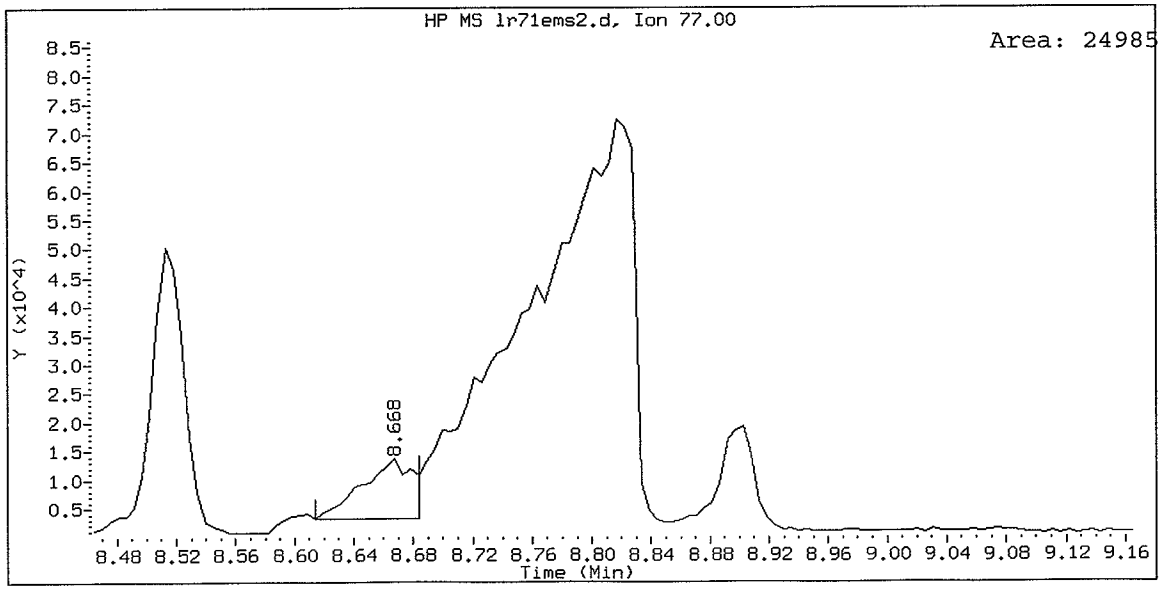




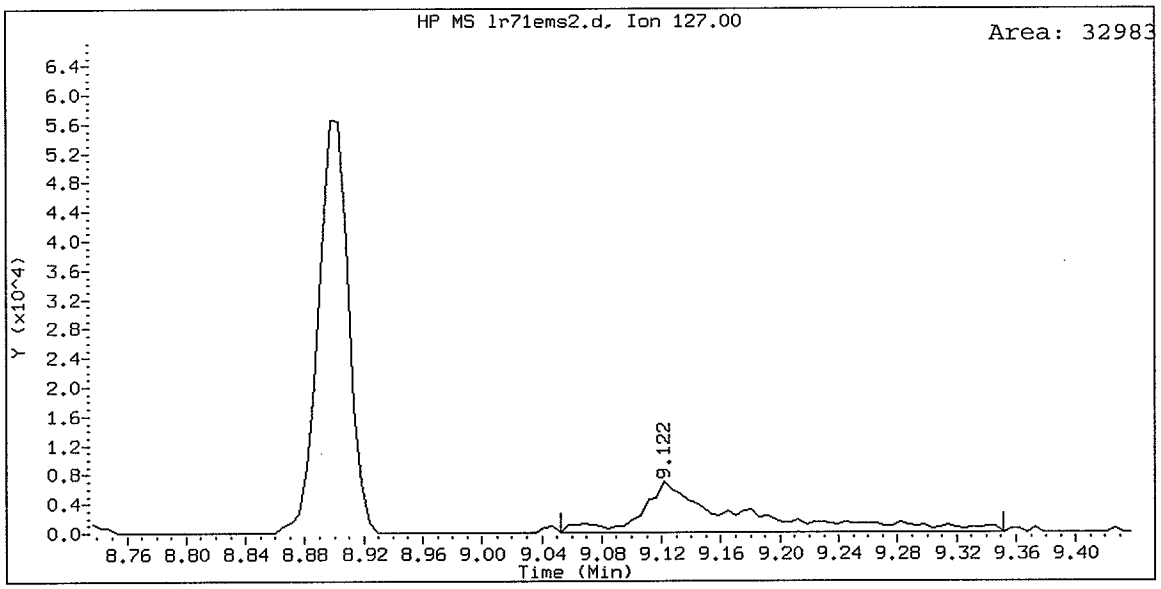
LR71EMSRE, /chem3/nt4.i/20071101.b/lr71ems2.d
Benzoic acid Amount: 45.29

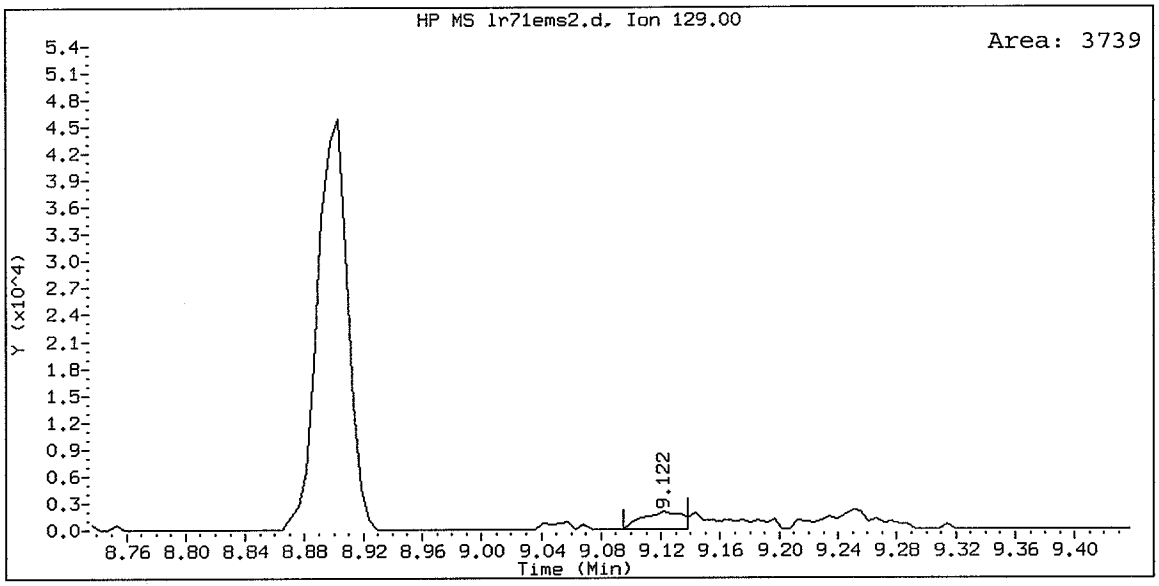




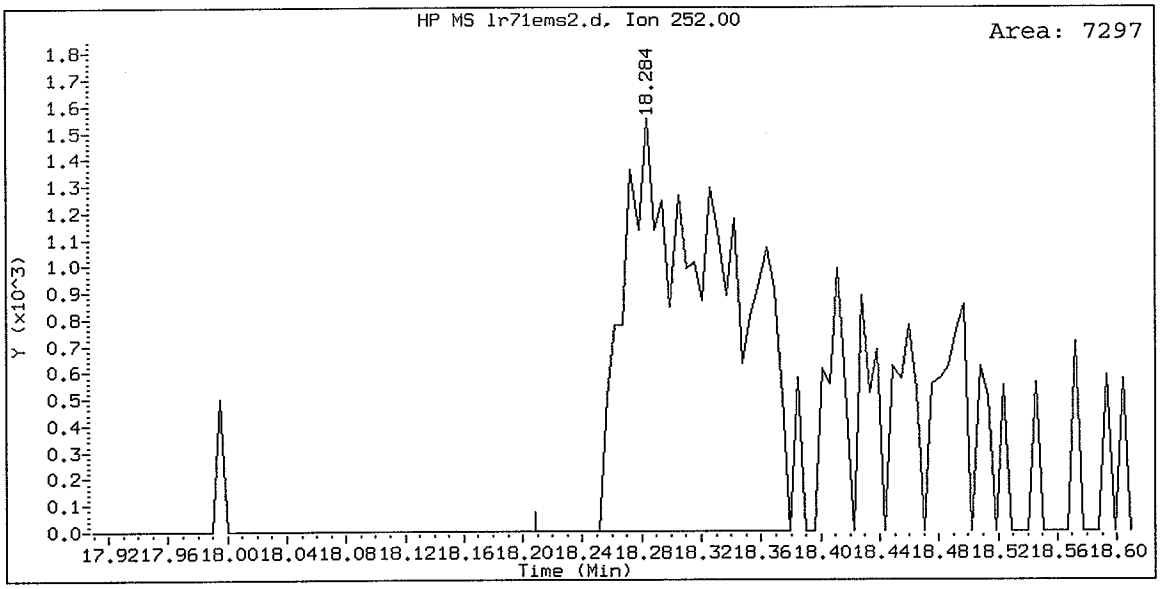


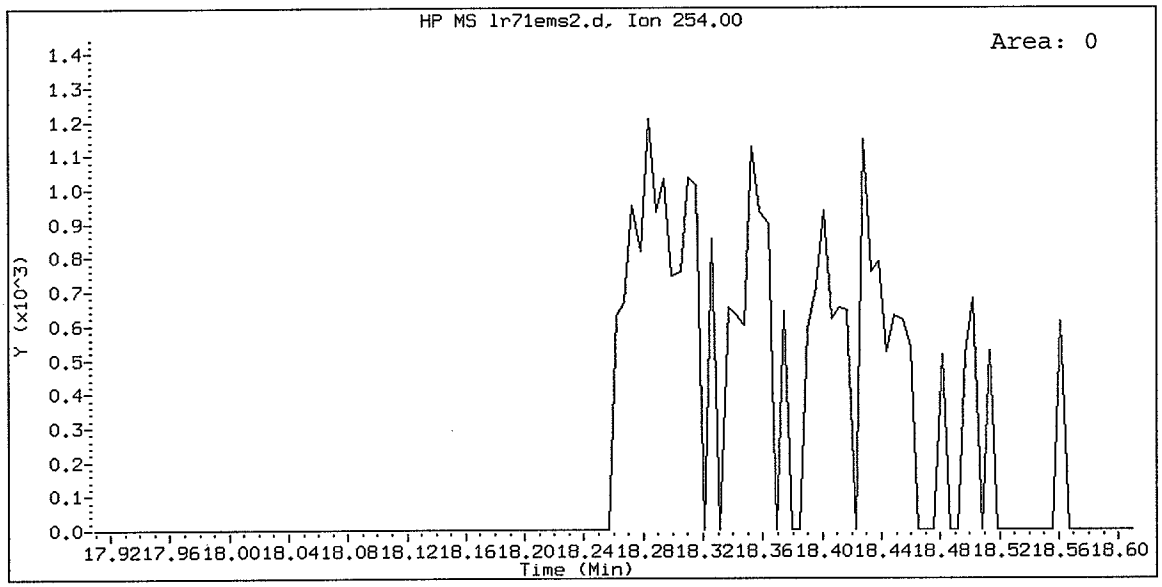
LR71EMSRE, /chem3/nt4.i/20071101.b/lr71ems2.d
4-Chloroaniline Amount: 2.05

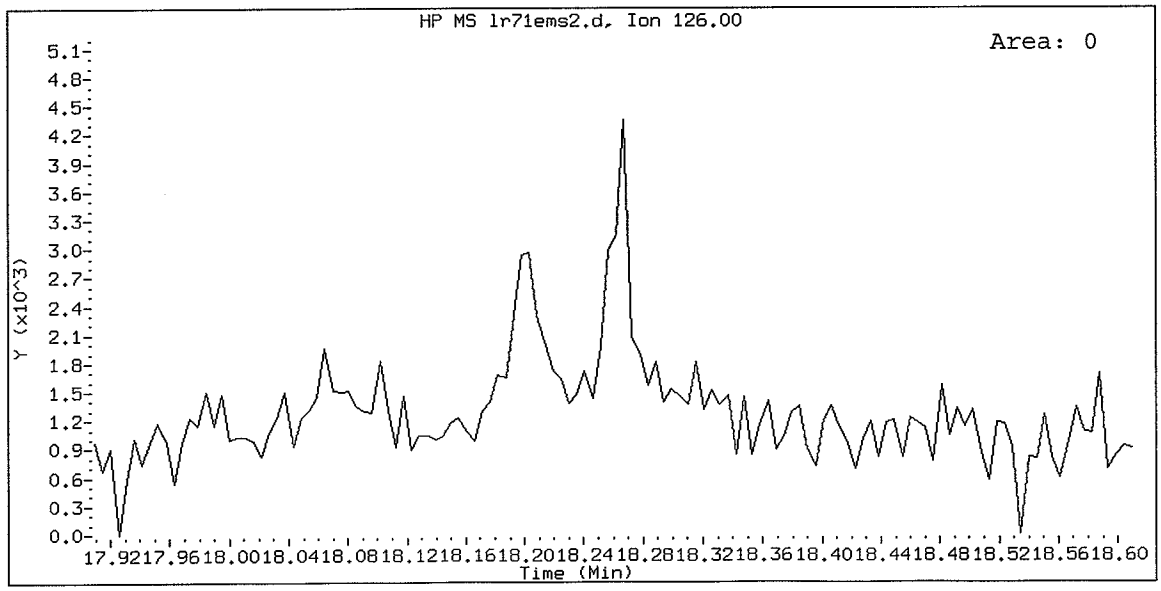




LR71EMSRE, /chem3/nt4.i/20071101.b/lr71ems2.d
3,3'-Dichlorobenzidine Amount: 0.62







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: AN-SS-10-070928
MATRIX SPIKE DUPLICATE

Lab Sample ID: LR71E
LIMS ID: 07-23292
Matrix: Sediment
Data Release Authorized:
Reported: 01/25/08

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes
NA
Date Sampled: 09/28/07
Date Received: 09/29/07

Date Extracted: 10/27/07
Date Analyzed: 11/01/07 19:47
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.7%

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
541-73-1	1,3-Dichlorobenzene	20	---
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	---
95-50-1	1,2-Dichlorobenzene	20	---
95-48-7	2-Methylphenol	20	---
106-44-5	4-Methylphenol	20	---
67-72-1	Hexachloroethane	20	---
105-67-9	2,4-Dimethylphenol	20	---
65-85-0	Benzoic Acid	200	---
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	---
87-68-3	Hexachlorobutadiene	20	---
91-57-6	2-Methylnaphthalene	20	---
131-11-3	Dimethylphthalate	20	---
208-96-8	Acenaphthylene	20	---
83-32-9	Acenaphthene	20	---
132-64-9	Dibenzofuran	20	---
84-66-2	Diethylphthalate	20	---
86-73-7	Fluorene	20	---
86-30-6	N-Nitrosodiphenylamine	20	---
118-74-1	Hexachlorobenzene	20	---
87-86-5	Pentachlorophenol	98	---
85-01-8	Phenanthrene	20	---
120-12-7	Anthracene	20	---
84-74-2	Di-n-Butylphthalate	20	---
206-44-0	Fluoranthene	20	---
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	---
56-55-3	Benzo(a)anthracene	20	---
117-81-7	bis(2-Ethylhexyl)phthalate	20	---
218-01-9	Chrysene	20	---
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	Benzo(b)fluoranthene	20	---
207-08-9	Benzo(k)fluoranthene	20	---
50-32-8	Benzo(a)pyrene	20	---
193-39-5	Indeno(1,2,3-cd)pyrene	20	---
53-70-3	Dibenz(a,h)anthracene	20	---
191-24-2	Benzo(g,h,i)perylene	20	---

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: AN-SS-10-070928**
Page 2 of 2 **MATRIX SPIKE DUPLICATE**

Lab Sample ID: LR71E QC Report No: LR71-Anchor Environmental, LLC
LIMS ID: 07-23292 Project: Kimberly Clark Anacortes
Matrix: Sediment NA
Date Analyzed: 11/01/07 19:47

CAS Number	Analyte	RL	Result
90-12-0	1-Methylnaphthalene	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.8%	2-Fluorobiphenyl	63.2%
d14-p-Terphenyl	61.6%	d4-1,2-Dichlorobenzene	58.0%
d5-Phenol	64.0%	2-Fluorophenol	49.6%
2,4,6-Tribromophenol	63.2%	d4-2-Chlorophenol	63.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem3/nt4.i/20071101.b/lr71emd2.d
Lab Smp Id: LR71EMSDRE Client Smp ID: AN-SS-10-070928 MSD
Inj Date : 01-NOV-2007 19:47
Operator : VTS Inst ID: nt4.i
Smp Info : LR71EMSDRE
Misc Info : 07-23292
Comment : 1ul Injection
Method : /chem3/nt4.i/20071101.b/SW846.m
Meth Date : 02-Nov-2007 11:40 jeff Quant Type: ISTD
Cal Date : 01-OCT-2007 11:04 Cal File: 0801001.d
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 19/2/07

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	65.80000	Weight of sample extracted (g)
M	22.70000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	1 2-Fluorophenol	112	4.846	4.748	(0.710)	231167	18.5746	365.2
$	2 Phenol-d5	99	6.512	6.489	(0.955)	334541	24.0158	472.2
	3 Phenol	94	6.528	6.505	(0.957)	406748	24.5863	483.4 (R)
$	5 2-Chlorophenol-d4	132	6.539	6.521	(0.958)	244679	23.6794	465.5
	4 Bis(2-Chloroethyl)ether	93	6.539	6.532	(0.958)	218324	17.1251	336.7
	6 2-Chlorophenol	128	6.566	6.548	(0.962)	191433	16.0731	316.0
	7 1,3-Dichlorobenzene	146	6.753	6.746	(0.990)	175381	14.3861	282.8
*	8 1,4-Dichlorobenzene-d4	152	6.822	6.820	(1.000)	147079	20.0000	
	9 1,4-Dichlorobenzene	146	6.849	6.842	(1.004)	176675	14.3794	282.7
$	10 1,2-Dichlorobenzene-d4	152	7.121	7.114	(1.044)	96284	14.4818	284.7
	12 1,2-Dichlorobenzene	146	7.143	7.141	(1.047)	171358	14.8907	292.8
	11 Benzyl alcohol	108	7.169	7.162	(1.051)	249551	33.0567	649.9 (M)
	14 2,2'-oxybis(1-Chloropropane)	45	7.426	7.429	(1.088)	251271	16.2412	319.3
	13 2-Methylphenol	108	7.458	7.445	(1.093)	191242	17.4988	344.0
	17 Hexachloroethane	117	7.629	7.627	(1.118)	69728	12.4982	245.7

Data File: /chem3/nt4.i/20071101.b/lr71emd2.d
Report Date: 02-Nov-2007 11:40

	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	7.650	7.643	(1.121)	167958	16.6342	327.0
	15 4-Methylphenol	108	7.704	7.686	(1.129)	412994	37.1259	729.9
$	18 Nitrobenzene-d5	82	7.773	7.771	(0.876)	218246	15.2272	299.4
	19 Nitrobenzene	77	7.805	7.803	(0.880)	247274	15.5697	306.1
	20 Isophorone	82	8.211	8.199	(0.926)	417148	16.6476	327.3
	21 2-Nitrophenol	139	8.323	8.322	(0.939)	96653	16.1113	316.8
	22 2,4-Dimethylphenol	107	8.516	8.509	(0.960)	198229	15.6085	306.9
	23 Bis(2-Chloroethoxy)methane	93	8.633	8.637	(0.973)	240092	15.9650	313.9
	24 Benzoic acid	105	8.815	8.813	(0.994)	455083	49.7326	977.8 (M)
	25 2,4-Dichlorophenol	162	8.729	8.722	(0.984)	146262	17.0633	335.5
	26 1,2,4-Trichlorobenzene	180	8.825	8.829	(0.995)	150124	14.8156	291.3
*	27 Naphthalene-d8	136	8.868	8.872	(1.000)	543344	20.0000	
	28 Naphthalene	128	8.900	8.899	(1.004)	543011	16.2786	320.0
	29 4-Chloroaniline	127	9.125	9.086	(1.029)	34255	2.43776	47.93 (RM)
	30 Hexachlorobutadiene	225	9.247	9.246	(1.043)	84138	14.3424	282.0
	31 4-Chloro-3-methylphenol	107	9.953	9.946	(1.122)	163271	15.4249	303.3
	32 2-Methylnaphthalene	141	10.017	10.015	(1.129)	282876	16.6470	327.3
	33 Hexachlorocyclopentadiene	237	10.401	10.405	(0.890)	49535	9.43651	185.5 (R)
	34 2,4,6-Trichlorophenol	196	10.556	10.549	(0.904)	105045	18.0939	355.7
	35 2,4,5-Trichlorophenol	196	10.615	10.608	(0.909)	99067	15.9408	313.4
$	36 2-Fluorobiphenyl	172	10.674	10.677	(0.914)	316046	15.7993	310.6
	37 2-Chloronaphthalene	162	10.775	10.774	(0.922)	311133	16.4346	323.1
	38 2-Nitroaniline	65	11.037	11.035	(0.945)	120495	14.6324	287.7
	39 Dimethylphthalate	163	11.438	11.436	(0.979)	313674	15.2231	299.3
	40 Acenaphthylene	152	11.432	11.431	(0.978)	444668	15.6943	308.6
	41 2,6-Dinitrotoluene	165	11.512	11.511	(0.985)	74677	15.8559	311.7
*	42 Acenaphthene-d10	164	11.683	11.682	(1.000)	289705	20.0000	
	43 3-Nitroaniline	138	11.716	11.709	(1.003)	40279	7.27342	143.0 (RM)
	44 Acenaphthene	153	11.732	11.730	(1.004)	288072	15.3161	301.1
	45 2,4-Dinitrophenol	184	11.870	11.869	(1.016)	124726	47.5574	935.0
	46 Dibenzofuran	168	11.993	11.992	(1.027)	408148	16.6616	327.6
	47 4-Nitrophenol	109	12.100	12.088	(1.036)	65022	16.6205	326.8
	48 2,4-Dinitrotoluene	165	12.116	12.120	(1.037)	99356	15.9583	313.7
	50 Diethylphthalate	149	12.581	12.585	(1.077)	323435	15.9993	314.6
	49 Fluorene	166	12.538	12.537	(1.073)	337492	16.1456	317.4
	51 4-Chlorophenyl-phenylether	204	12.597	12.595	(1.078)	160465	15.6520	307.7
	52 4-Nitroaniline	138	12.688	12.681	(1.086)	25940	4.69069	92.22 (R)
	53 4,6-Dinitro-2-methylphenol	198	12.757	12.756	(0.911)	163881	51.3058	1009
	54 N-Nitrosodiphenylamine	169	12.811	12.809	(0.915)	219859	22.7735	447.7
$	55 2,4,6-Tribromophenol	330	12.960	12.953	(1.109)	59090	23.6938	465.8
	56 4-Bromophenyl-phenylether	248	13.356	13.359	(0.954)	81581	16.7278	328.9
	57 Hexachlorobenzene	284	13.543	13.541	(0.967)	86672	17.0943	336.1
	58 Pentachlorophenol	266	13.858	13.856	(0.990)	57756	19.4948	383.3
*	59 Phenanthrene-d10	188	14.002	14.000	(1.000)	392842	20.0000	
	60 Phenanthrene	178	14.034	14.032	(1.002)	544491	20.0549	394.3
	61 Anthracene	178	14.103	14.102	(1.007)	459681	16.7436	329.2
	62 Carbazole	167	14.419	14.412	(1.030)	427127	18.1832	357.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	15.204	15.197	(1.086)	551310	19.5250	383.9
	64 Fluoranthene	202	15.930	15.923	(1.138)	637495	21.6877	426.4
	65 Pyrene	202	16.267	16.260	(0.892)	624997	18.5443	364.6
$	66 Terphenyl-d14	244	16.646	16.634	(0.913)	300294	15.4341	303.4
	67 Butylbenzylphthalate	149	17.565	17.558	(0.964)	250450	17.7249	348.5
	68 Benzo(a)anthracene	228	18.206	18.199	(0.999)	545758	17.4611	343.3
*	69 Chrysene-d12	240	18.228	18.221	(1.000)	420545	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.281	18.258	(1.003)	7477	0.67369	13.25 (RM)
	71 Chrysene	228	18.265	18.258	(1.002)	553459	18.0017	353.9
	72 bis(2-Ethylhexyl)phthalate	149	18.585	18.578	(0.953)	354629	20.1041	395.3
*	134 Di-n-octylphthalate-d4	153	19.504	19.503	(1.000)	559864	20.0000	
	73 Di-n-octylphthalate	149	19.515	19.513	(1.001)	616958	19.1305	376.1
	74 Benzo(b)fluoranthene	252	19.825	19.818	(0.975)	586383	18.8414	370.4
	75 Benzo(k)fluoranthene	252	19.857	19.850	(0.976)	586436	17.8373	350.7
	76 Benzo(a)pyrene	252	20.252	20.245	(0.996)	466205	16.8205	330.7
*	77 Perylene-d12	264	20.338	20.325	(1.000)	457106	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	21.679	21.661	(1.066)	522221	17.1418	337.0
	79 Dibenzo(a,h)anthracene	278	21.705	21.693	(1.067)	462334	18.4780	363.3
	80 Benzo(g,h,i)perylene	276	21.956	21.944	(1.080)	296583	10.8082	212.5
	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	10.177	10.181	(1.148)	288678	16.7755	329.8
	111 Azobenzene (1,2-DP-Hydrazine)	77	12.837	12.841	(1.099)	492369	17.5582	345.2

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: nt4.i
Lab File ID: lr71emd2.d
Lab Smp Id: LR71EMSDRE
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Calibration Date: 01-NOV-2007
Calibration Time: 14:35
Client Smp ID: AN-SS-10-070928
Level: LOW
Sample Type: Sediment

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	145384	72692	290768	147079	1.17
27 Naphthalene-d8	530525	265262	1061050	543344	2.42
42 Acenaphthene-d10	280701	140350	561402	289705	3.21
59 Phenanthrene-d10	391934	195967	783868	392842	0.23
69 Chrysene-d12	354658	177329	709316	420545	18.58
134 Di-n-octylphthala	506314	253157	1012628	559864	10.58
77 Perylene-d12	400782	200391	801564	457106	14.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.82	6.32	7.32	6.82	0.02
27 Naphthalene-d8	8.87	8.37	9.37	8.87	-0.04
42 Acenaphthene-d10	11.68	11.18	12.18	11.68	0.01
59 Phenanthrene-d10	14.00	13.50	14.50	14.00	0.01
69 Chrysene-d12	18.22	17.72	18.72	18.23	0.04
134 Di-n-octylphthala	19.50	19.00	20.00	19.50	0.01
77 Perylene-d12	20.33	19.83	20.83	20.34	0.06

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

Data File: /chem3/nt4.i/20071101.b/lr71emd2.d
Report Date: 02-Nov-2007 11:40

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Anchor
Sample Matrix: SOLID
Lab Smp Id: LR71EMSDRE
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDA.sub
Method File: /chem3/nt4.i/20071101.b/SW846.m
Misc Info: 07-23292

Client SDG: LR71
Fraction: SV
Client Smp ID: AN-SS-10-070928 MSD
Operator: VTS
SampleType: MSD
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	491.5	483.4	98.36*	45-89
4	Bis(2-Chloroethyl)	491.5	336.7	68.50	42-82
6	2-Chlorophenol	491.5	316.0	64.29	46-80
7	1,3-Dichlorobenzen	491.5	282.8	57.54	45-76
9	1,4-Dichlorobenzen	491.5	282.7	57.52	45-76
11	Benzyl alcohol	983.0	649.9	66.11	36-79
12	1,2-Dichlorobenzen	491.5	292.8	59.56	44-78
13	2-Methylphenol	491.5	344.0	70.00	47-82
14	2,2'-oxybis(1-Chlo	491.5	319.3	64.96	36-96
15	4-Methylphenol	983.0	729.9	74.25	47-86
16	N-Nitroso-di-n-pro	491.5	327.0	66.54	42-84
17	Hexachloroethane	491.5	245.7	49.99	40-77
19	Nitrobenzene	491.5	306.1	62.28	35-94
20	Isophorone	491.5	327.3	66.59	50-86
21	2-Nitrophenol	491.5	316.8	64.45	46-84
22	2,4-Dimethylphenol	491.5	306.9	62.43	30-76
23	Bis(2-Chloroethoxy	491.5	313.9	63.86	48-81
24	Benzoic acid	1475	977.8	66.31	39-103
25	2,4-Dichlorophenol	491.5	335.5	68.25	50-85
26	1,2,4-Trichloroben	491.5	291.3	59.26	45-81
28	Naphthalene	491.5	320.0	65.11	46-80
29	4-Chloroaniline	1180	47.93	4.06*	15-79
30	Hexachlorobutadien	491.5	282.0	57.37	44-79
31	4-Chloro-3-methylp	491.5	303.3	61.70	50-89
32	2-Methylnaphthalen	491.5	327.3	66.59	49-81
33	Hexachlorocyclopen	1475	185.5	12.58*	17-98
34	2,4,6-Trichlorophe	491.5	355.7	72.38	48-89
35	2,4,5-Trichlorophe	491.5	313.4	63.76	47-91
37	2-Chloronaphthalen	491.5	323.1	65.74	50-83
38	2-Nitroaniline	491.5	287.7	58.53	45-96
39	Dimethylphthalate	491.5	299.3	60.89	53-87
40	Acenaphthylene	491.5	308.6	62.78	51-84
41	2,6-Dinitrotoluene	491.5	311.7	63.42	49-95

OK

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43	3-Nitroaniline	1258	143.0	11.36*	36-92
44	Acenaphthene	491.5	301.1	61.26	51-83
45	2,4-Dinitrophenol	1475	935.0	63.41	10-191
46	Dibenzofuran	491.5	327.6	66.65	50-86
47	4-Nitrophenol	491.5	326.8	66.48	44-98
48	2,4-Dinitrotoluene	491.5	313.7	63.83	50-98
49	Fluorene	491.5	317.4	64.58	52-86
50	Diethylphthalate	491.5	314.6	64.00	55-89
51	4-Chlorophenyl-phe	491.5	307.7	62.61	51-85
52	4-Nitroaniline	491.5	92.22	18.76*	30-87
53	4,6-Dinitro-2-meth	1475	1009	68.41	10-136
54	N-Nitrosodiphenyla	491.5	447.7	91.09	28-158
56	4-Bromophenyl-phen	491.5	328.9	66.91	50-90
57	Hexachlorobenzene	491.5	336.1	68.38	49-91
58	Pentachlorophenol	491.5	383.3	77.98	40-100
60	Phenanthrene	491.5	394.3	80.22	51-91
61	Anthracene	491.5	329.2	66.97	51-86
62	Carbazole	491.5	357.5	72.73	51-89
63	Di-n-butylphthalat	491.5	383.9	78.10	58-95
64	Fluoranthene	491.5	426.4	86.75	54-94
65	Pyrene	491.5	364.6	74.18	46-100
67	Butylbenzylphthala	491.5	348.5	70.90	51-99
68	Benzo(a)anthracene	491.5	343.3	69.84	52-90
70	3,3'-Dichlorobenzi	1258	13.25	1.05*	10-86
71	Chrysene	491.5	353.9	72.01	51-93
72	bis(2-Ethylhexyl)p	491.5	395.3	80.42	36-111
73	Di-n-octylphthalat	491.5	376.1	76.52	29-108
74	Benzo(b)fluoranthe	491.5	370.4	75.37	54-102
75	Benzo(k)fluoranthe	491.5	350.7	71.35	45-107
76	Benzo(a)pyrene	491.5	330.7	67.28	52-95
78	Indeno(1,2,3-cd)py	491.5	337.0	68.57	34-105
79	Dibenzo(a,h)anthra	491.5	363.3	73.91	36-112
80	Benzo(g,h,i)peryle	491.5	212.5	43.23	25-116

	SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1	2-Fluorophenol	737.3	365.2	49.53	11-84
$ 2	Phenol-d5	737.3	472.2	64.04	25-86
$ 5	2-Chlorophenol-d4	737.3	465.5	63.15	23-91
$ 10	1,2-Dichlorobenzen	491.5	284.7	57.93	24-90
$ 18	Nitrobenzene-d5	491.5	299.4	60.91	26-88
$ 36	2-Fluorobiphenyl	491.5	310.6	63.20	34-91
$ 55	2,4,6-Tribromophen	737.3	465.8	63.18	25-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	491.5	303.4	61.74	22-100

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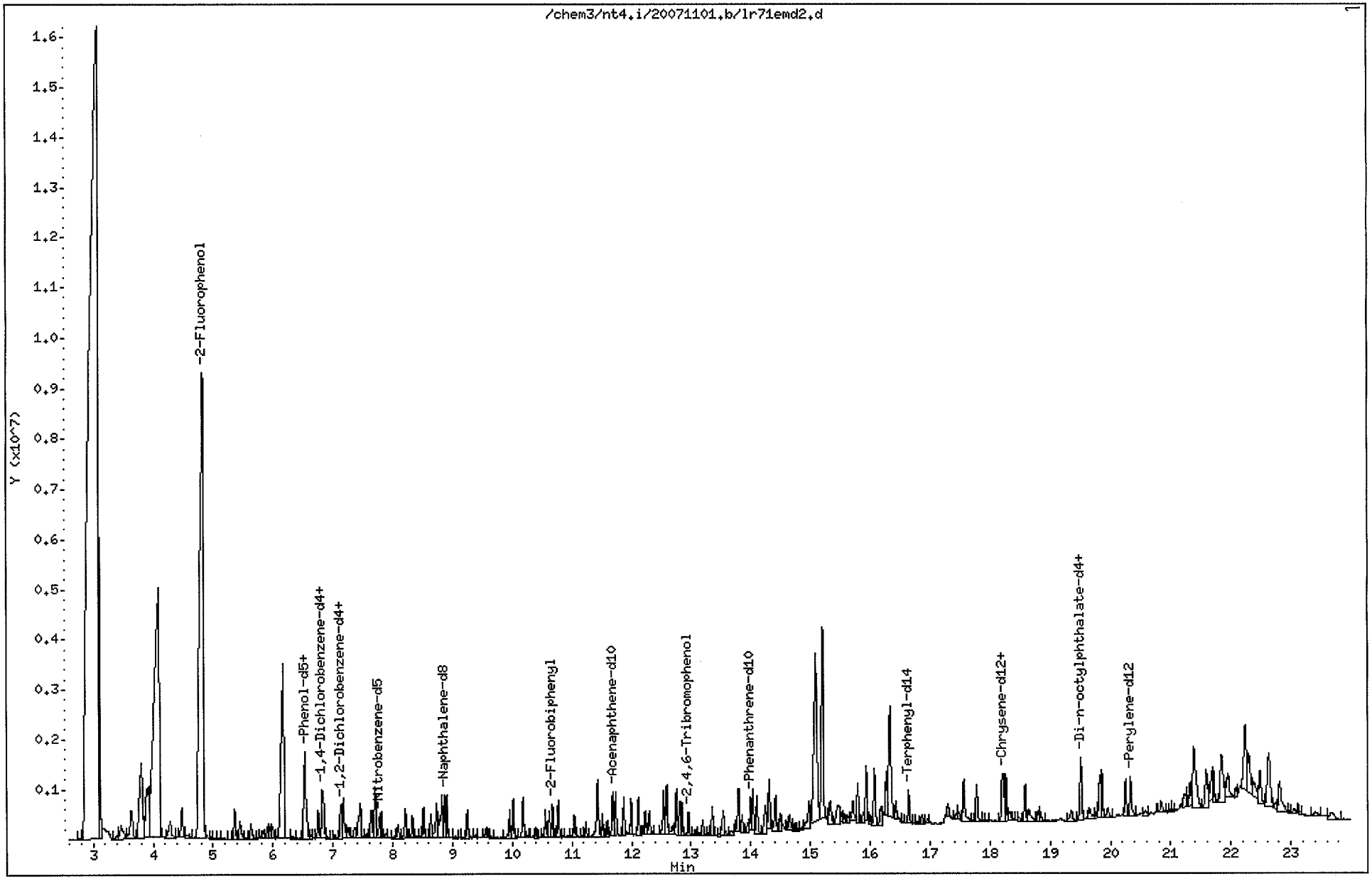
Sample Info: LR71EMSDRE
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt4.i
Operator: VTS
Column diameter: 0.32

1067



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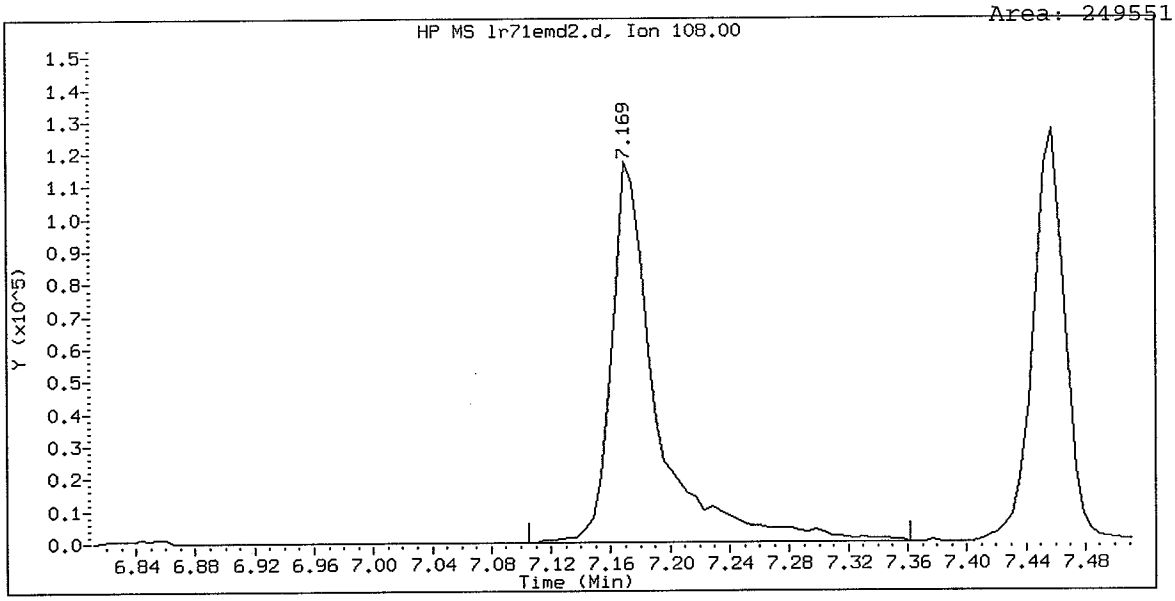
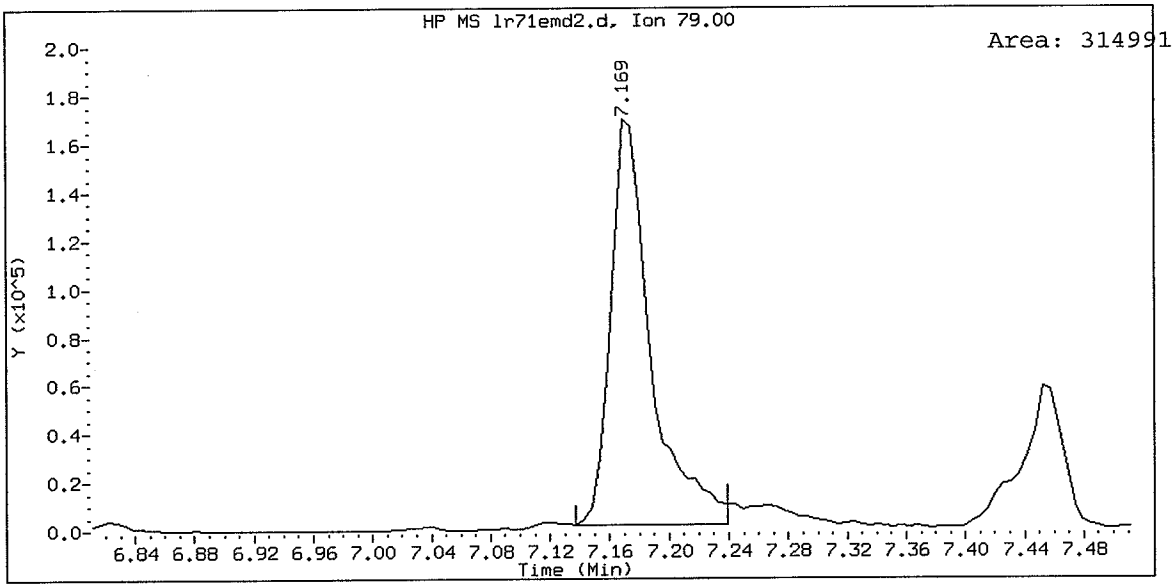
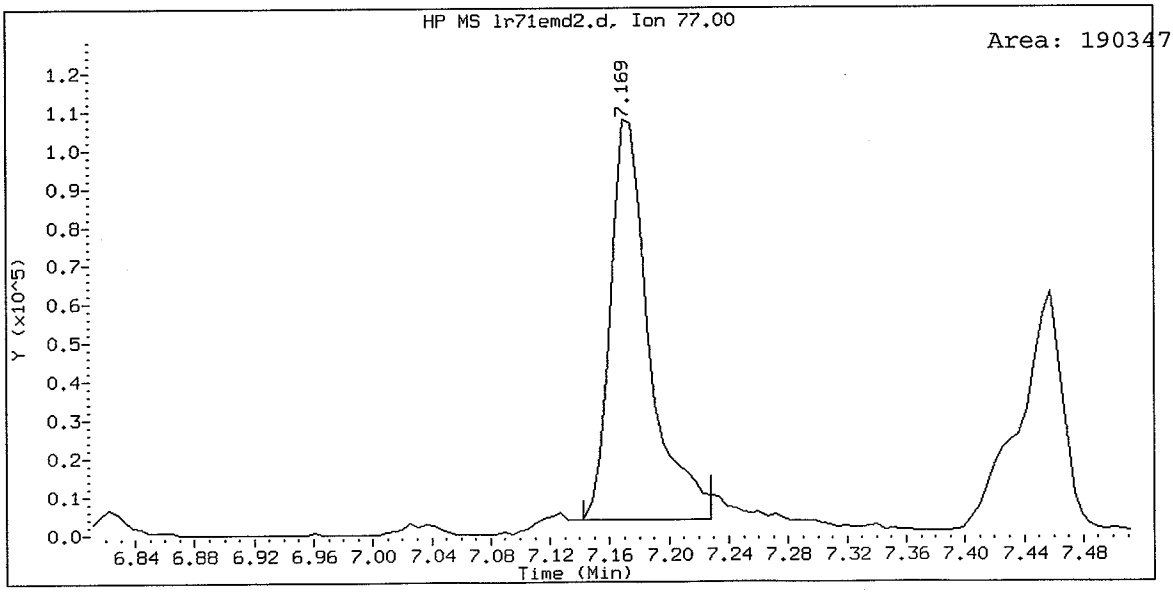
Benzyl alcohol Amount: 33.06







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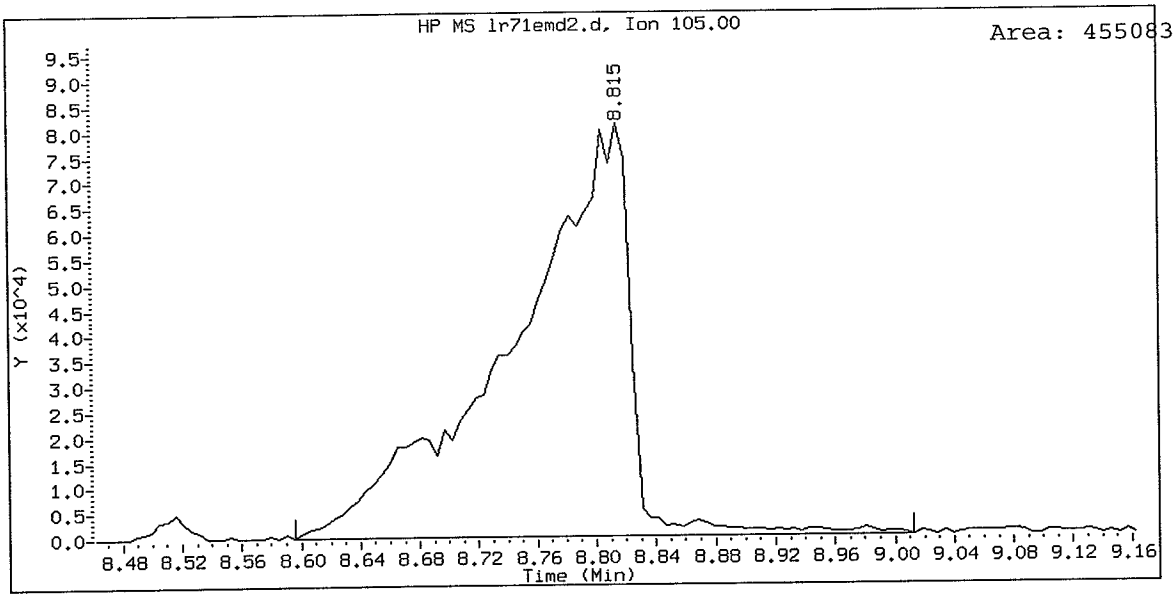
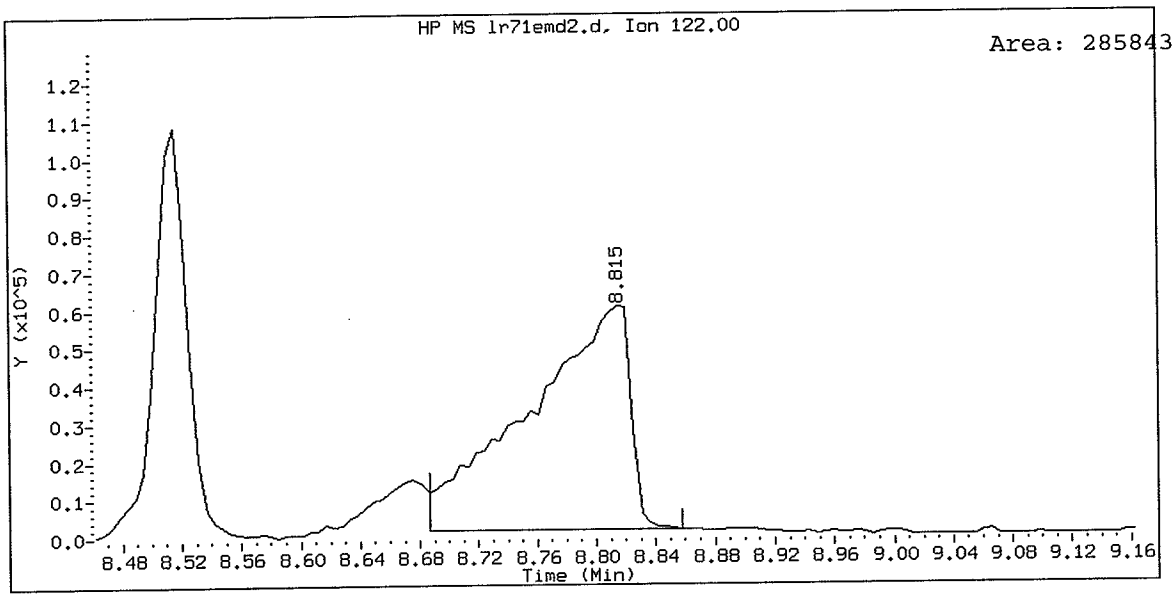
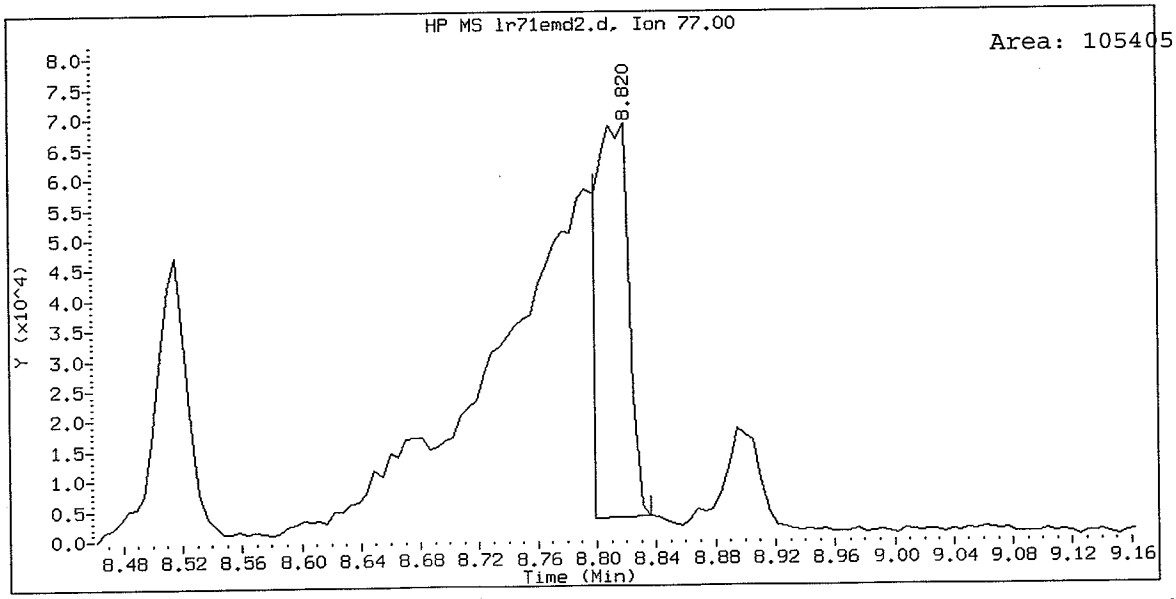
Benzoic acid Amount: 49.73







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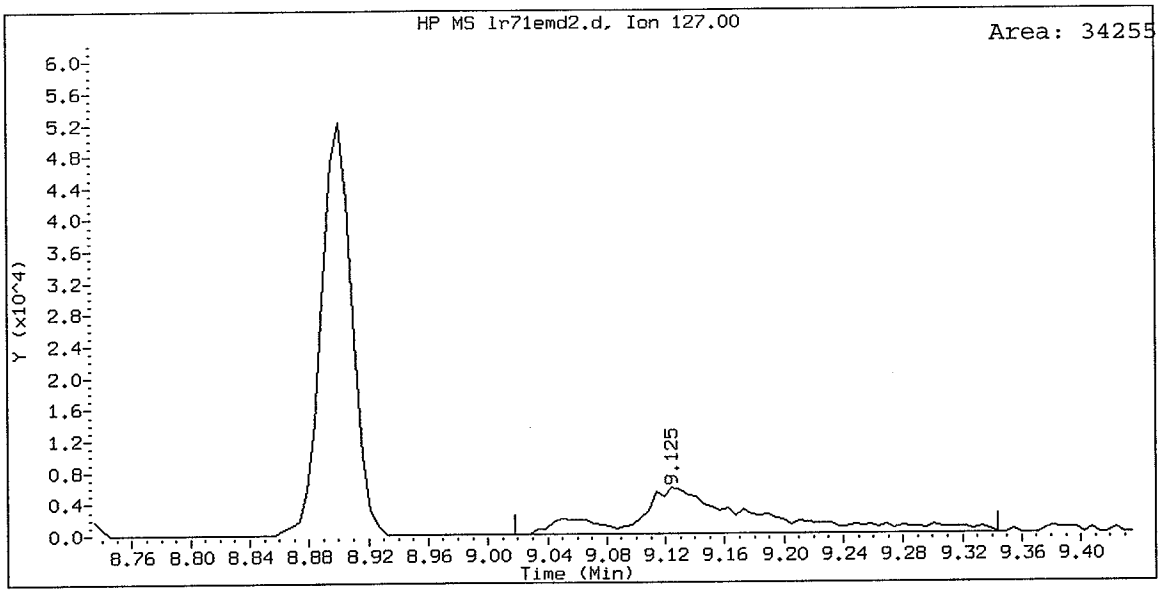
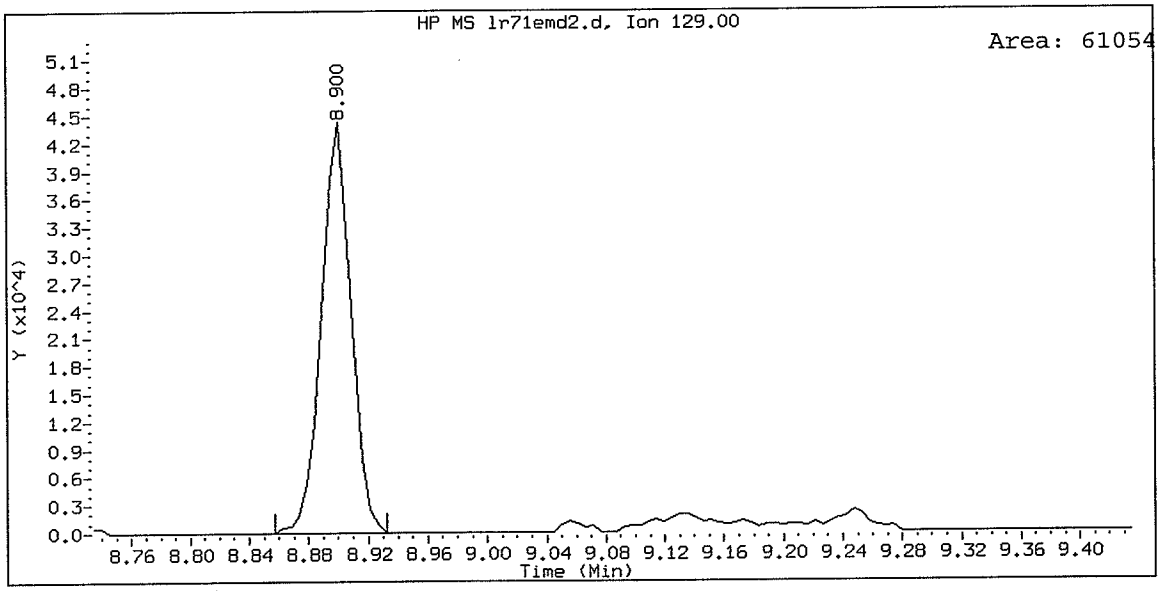
4-Chloroaniline Amount: 2.44





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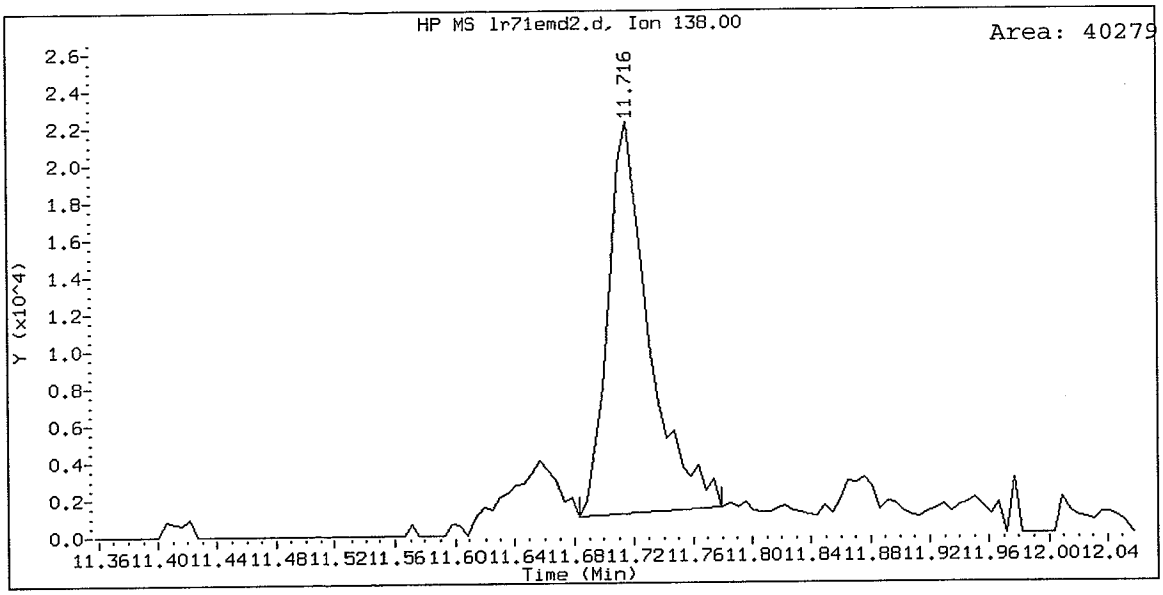
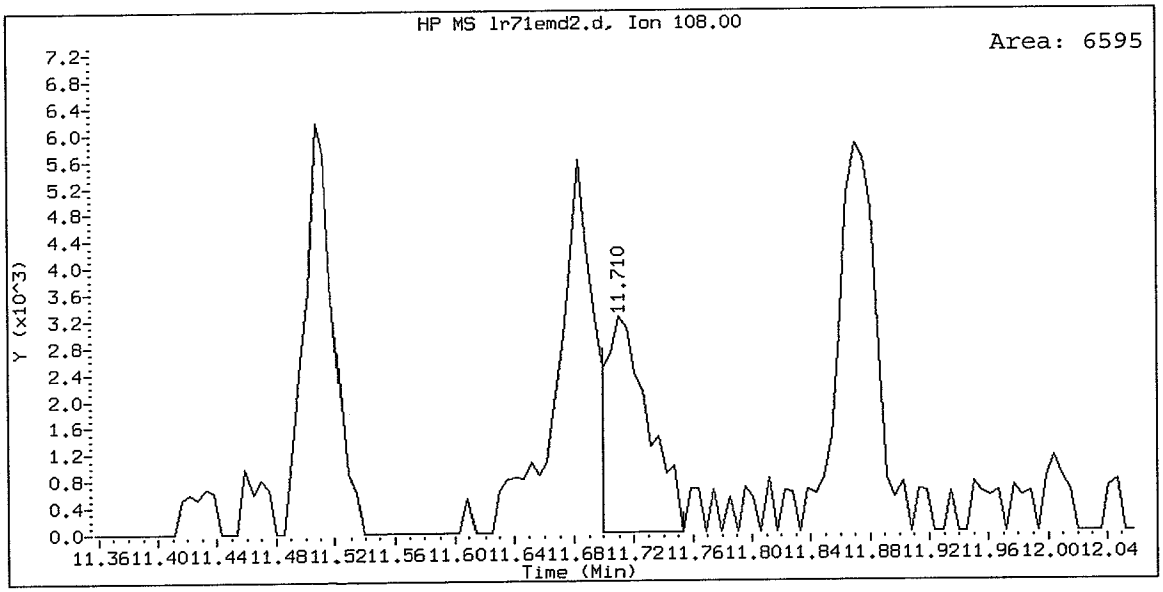
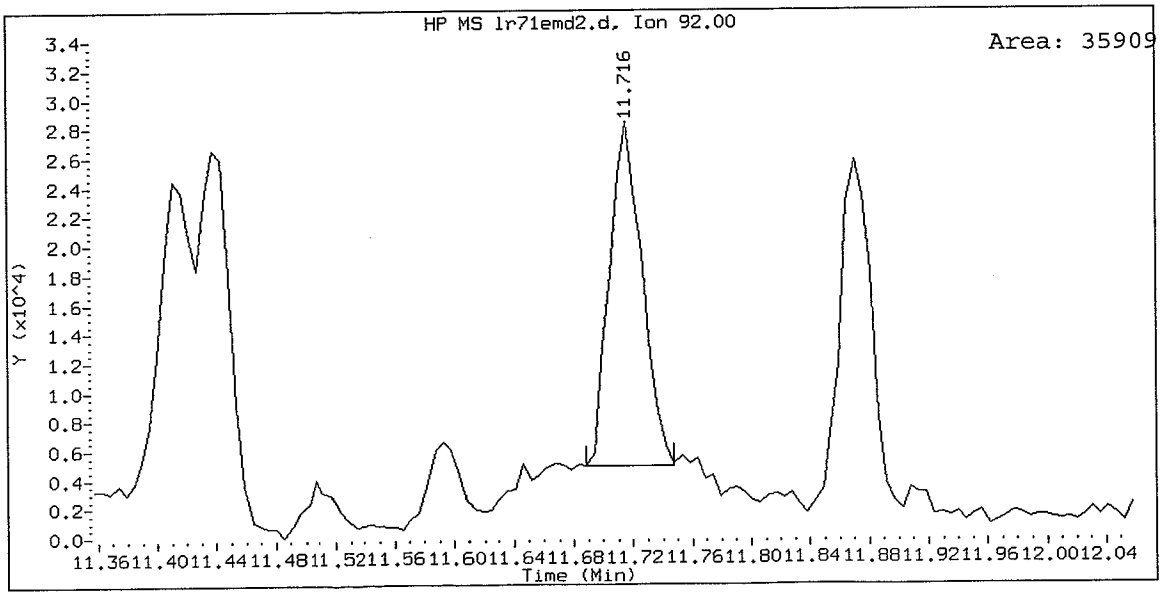
3-Nitroaniline Amount: 7.27







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3,3'-Dichlorobenzidine Amount: 0.67

