Semivolatile Organics
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

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

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

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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.

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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	

BP 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
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	
$ 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)	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

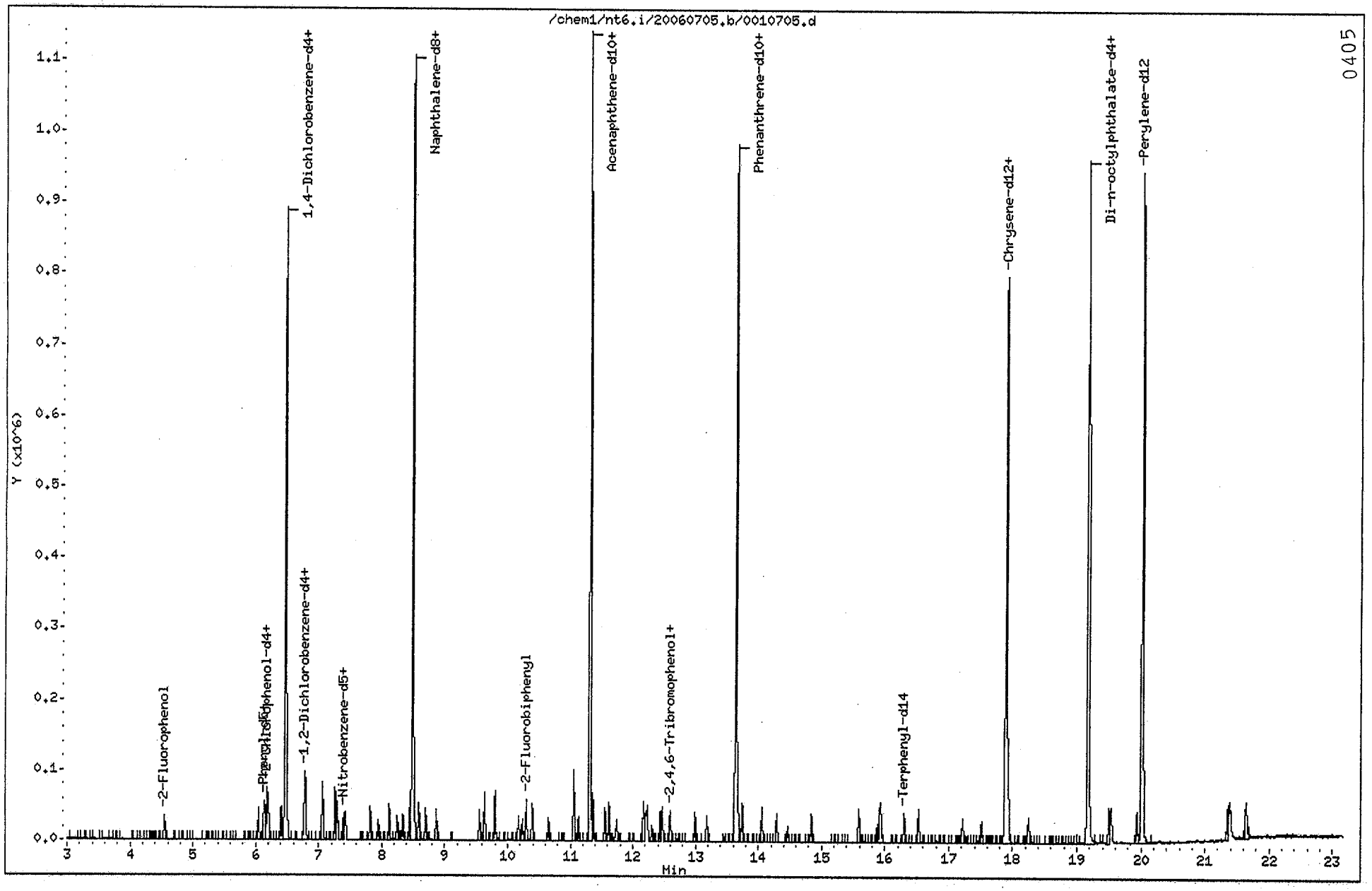
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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



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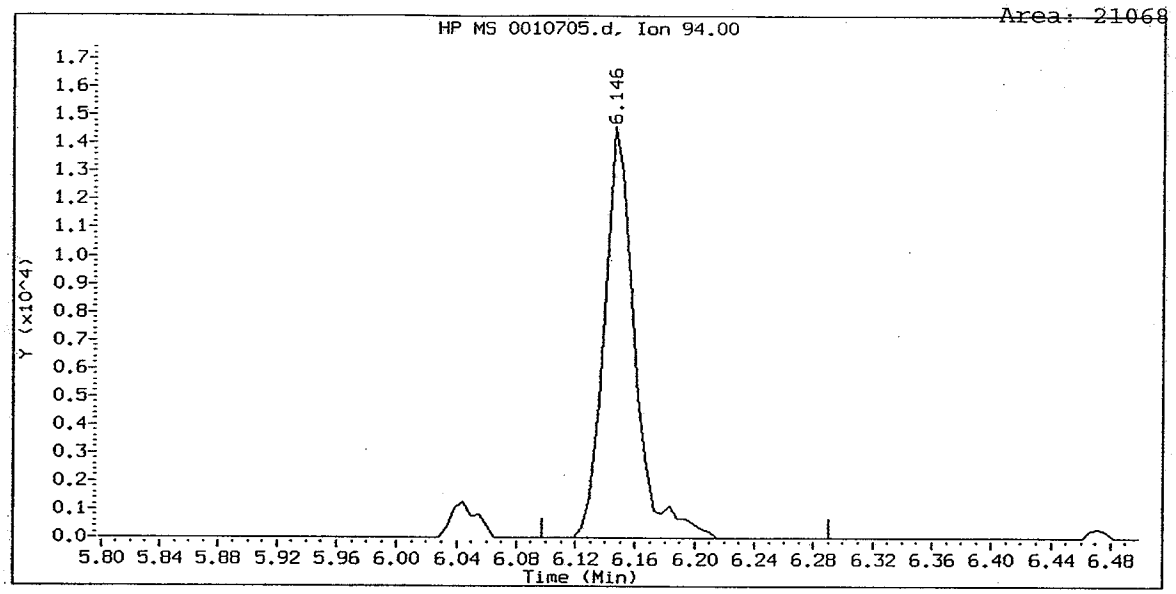
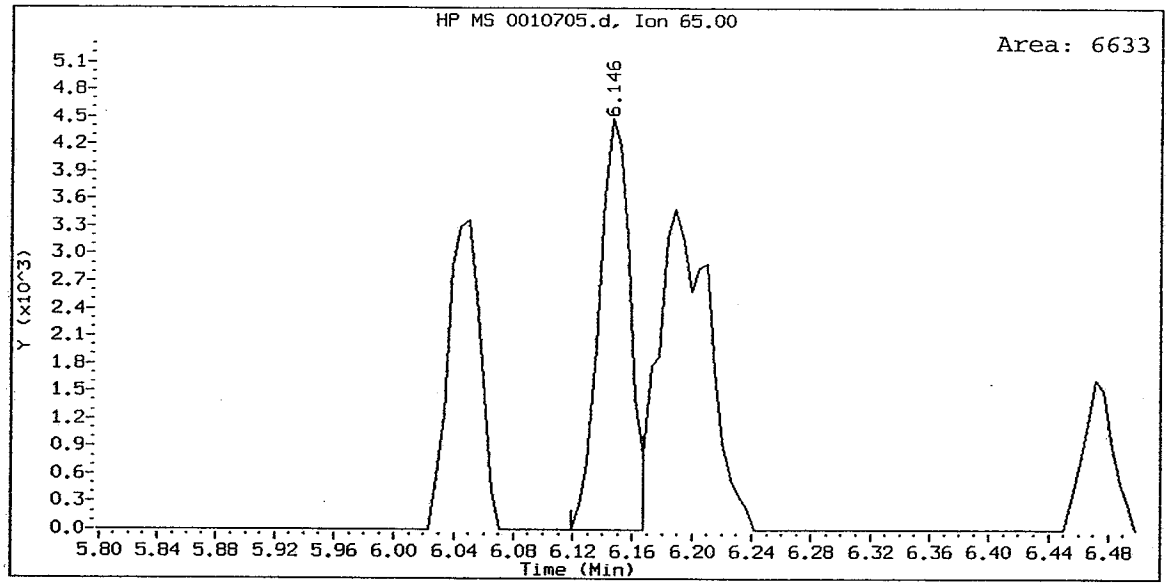
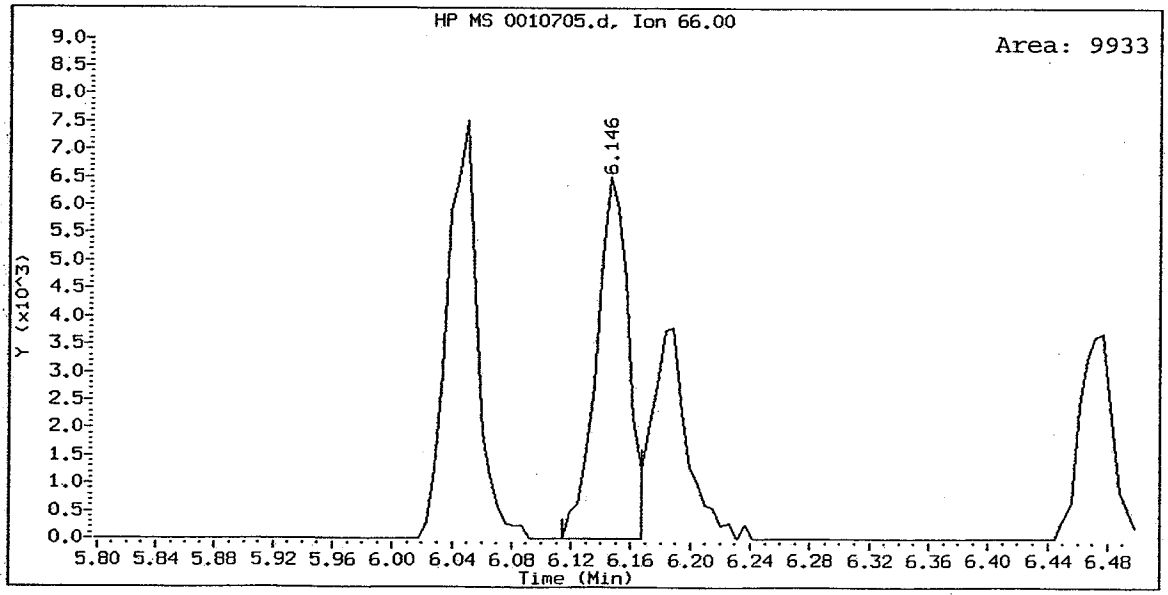
Phenol Amount: 1.01







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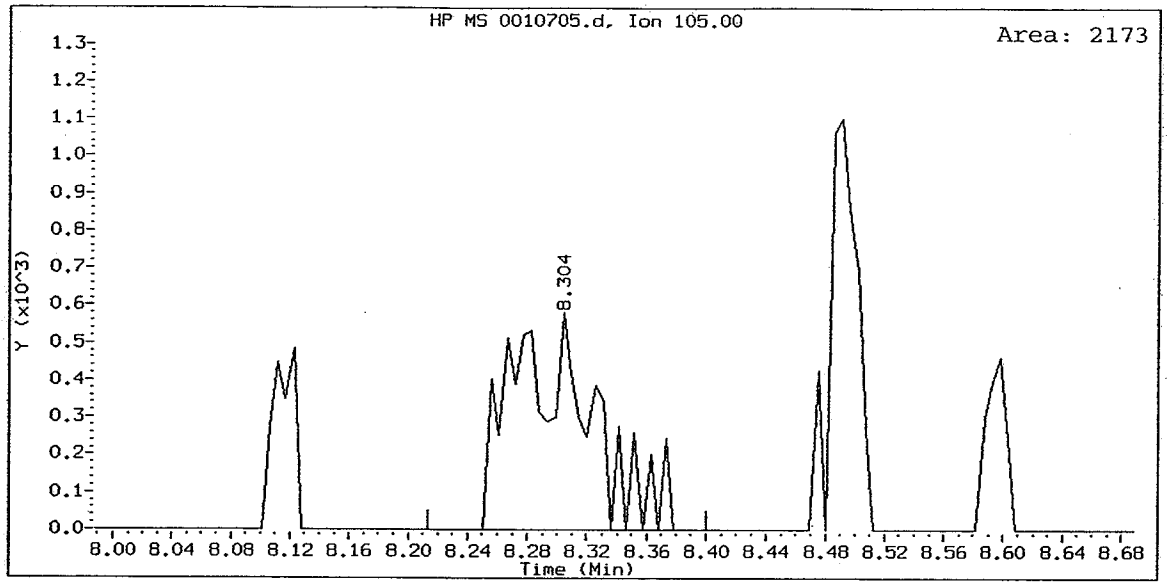
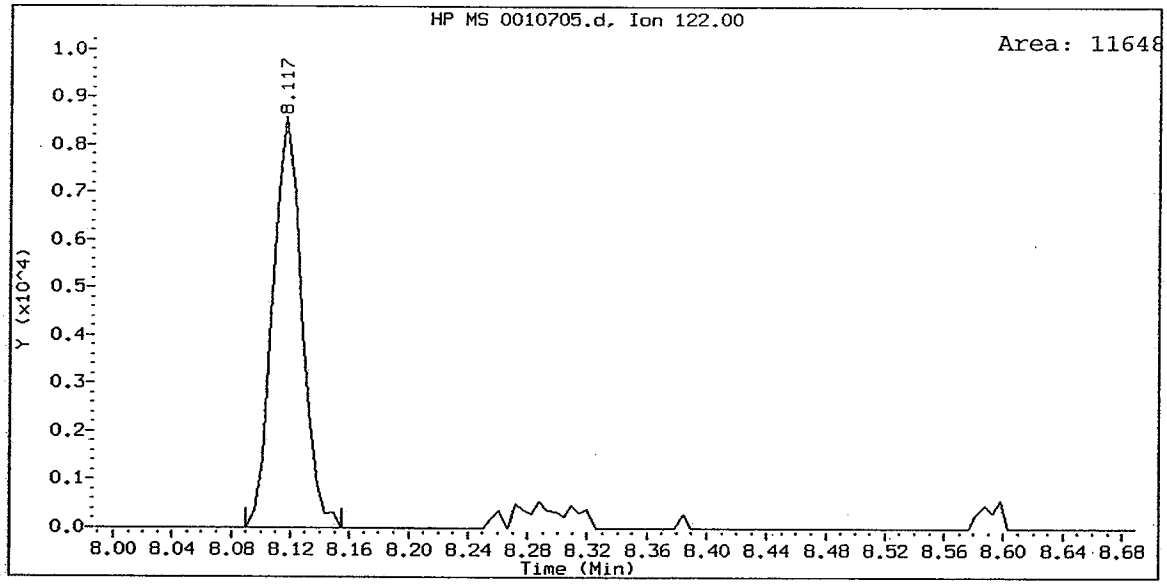
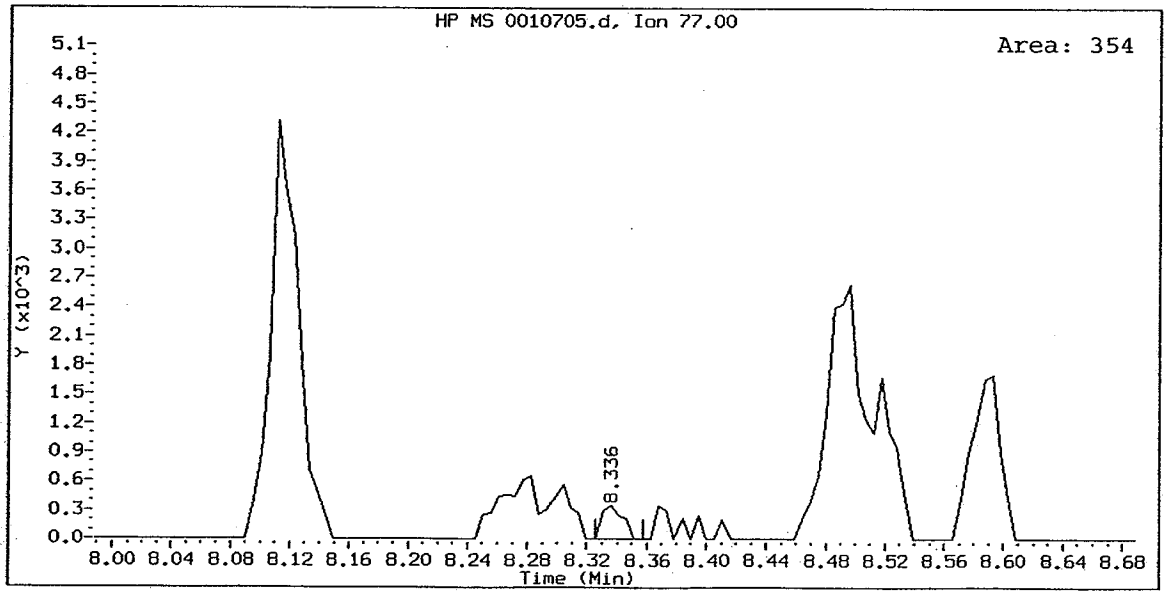
Benzoic acid Amount: 0.28







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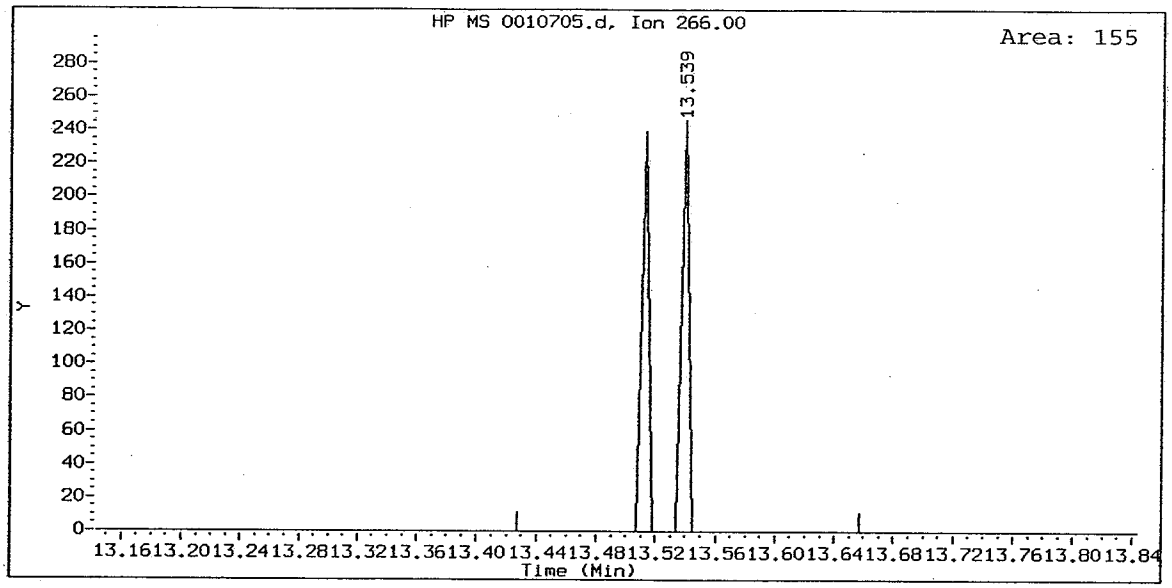
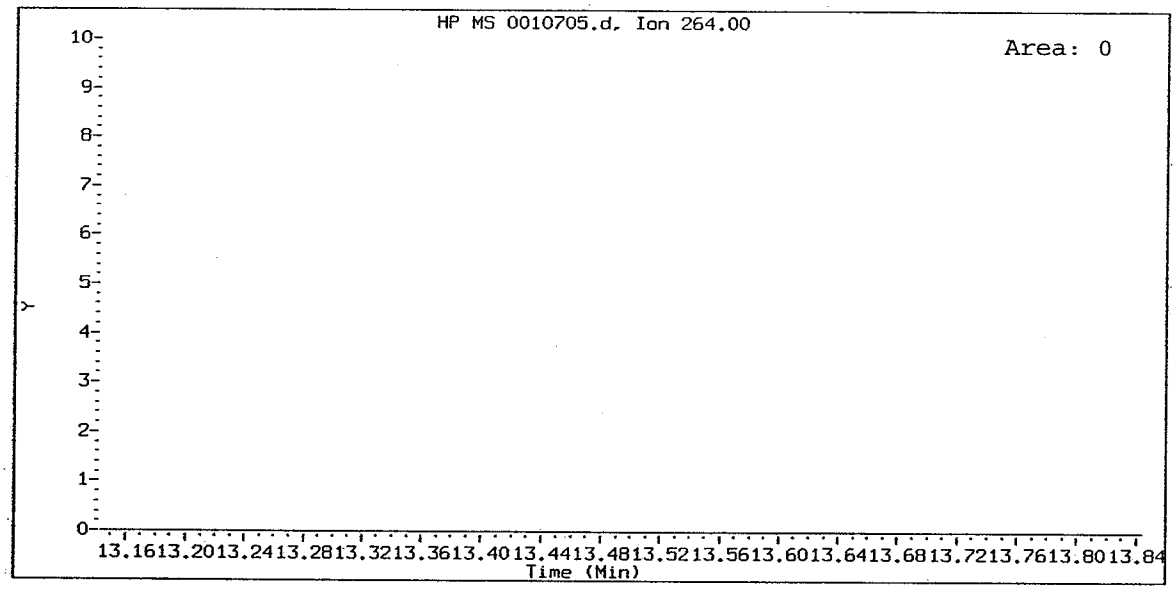
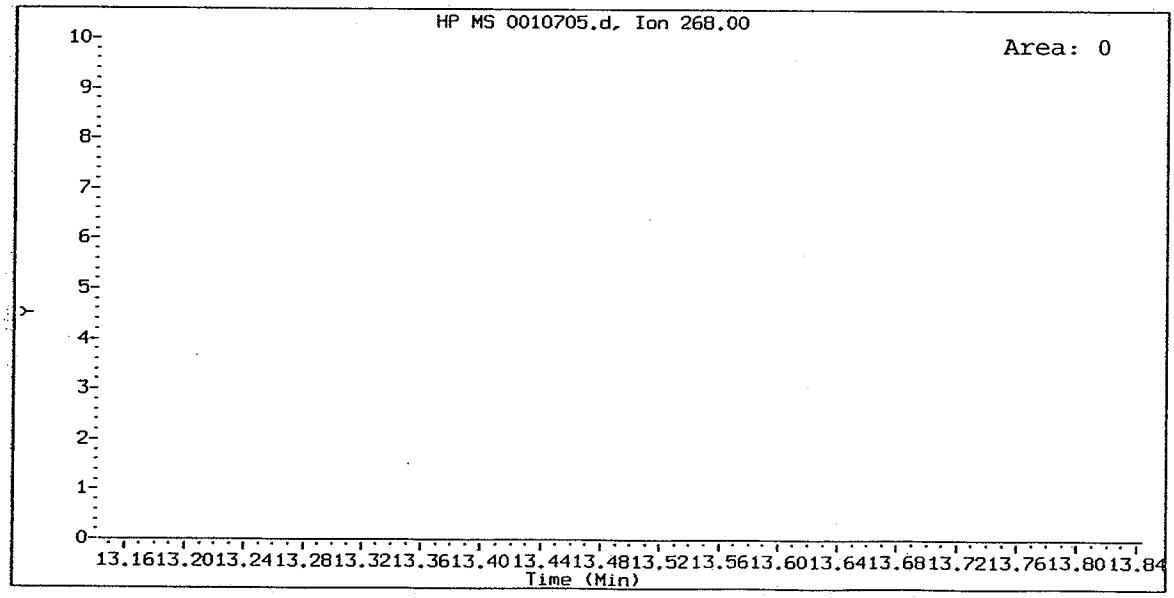
Pentachlorophenol Amount: 0.04







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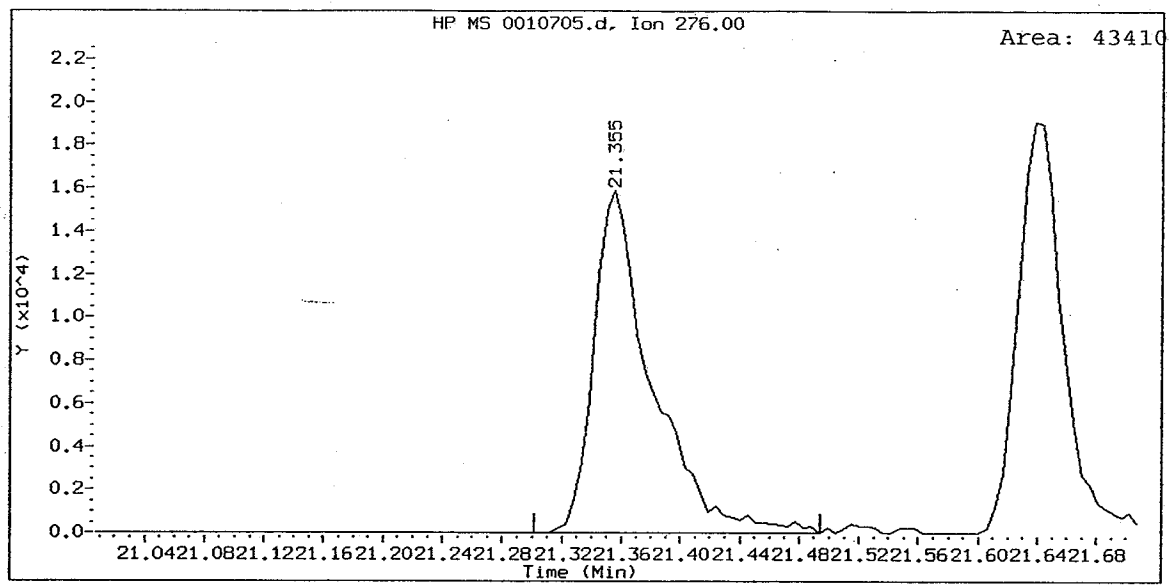
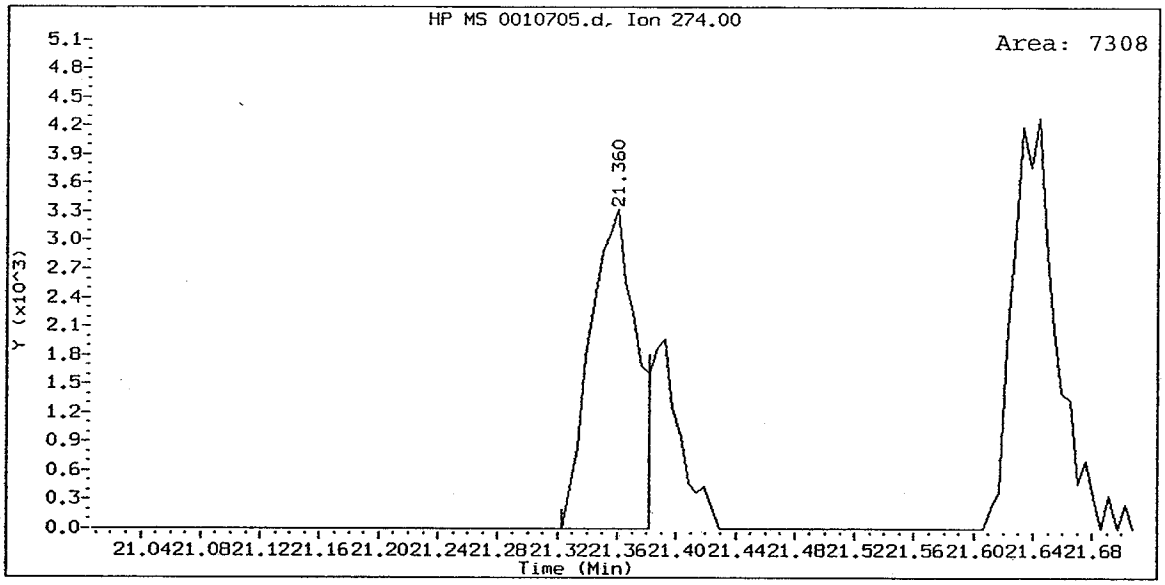
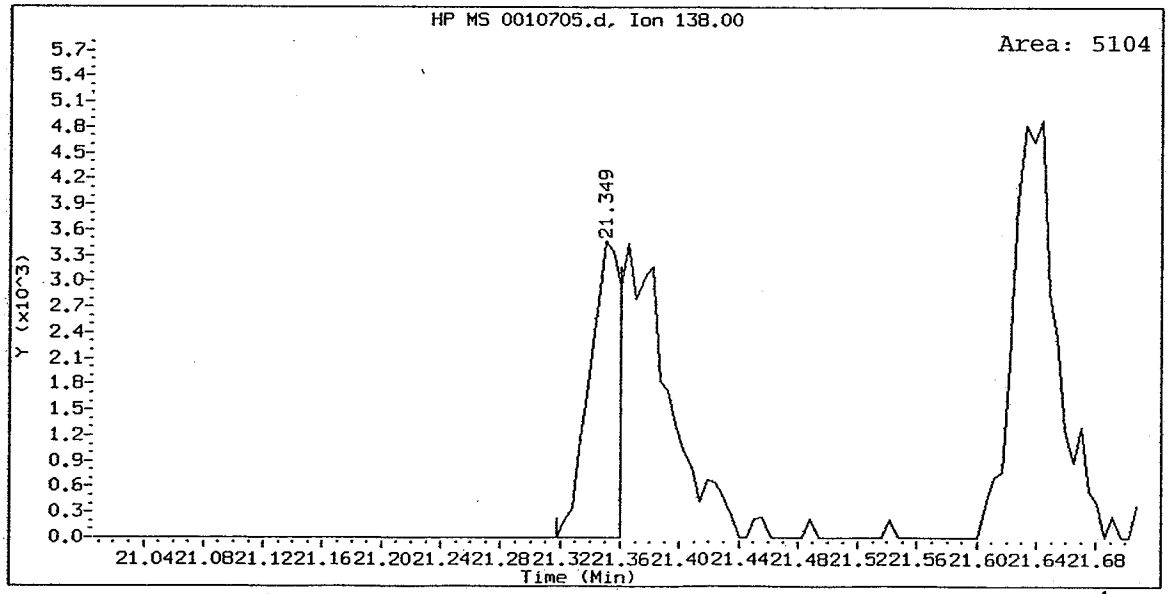
Indeno(1,2,3-cd)pyrene Amount: 1.01







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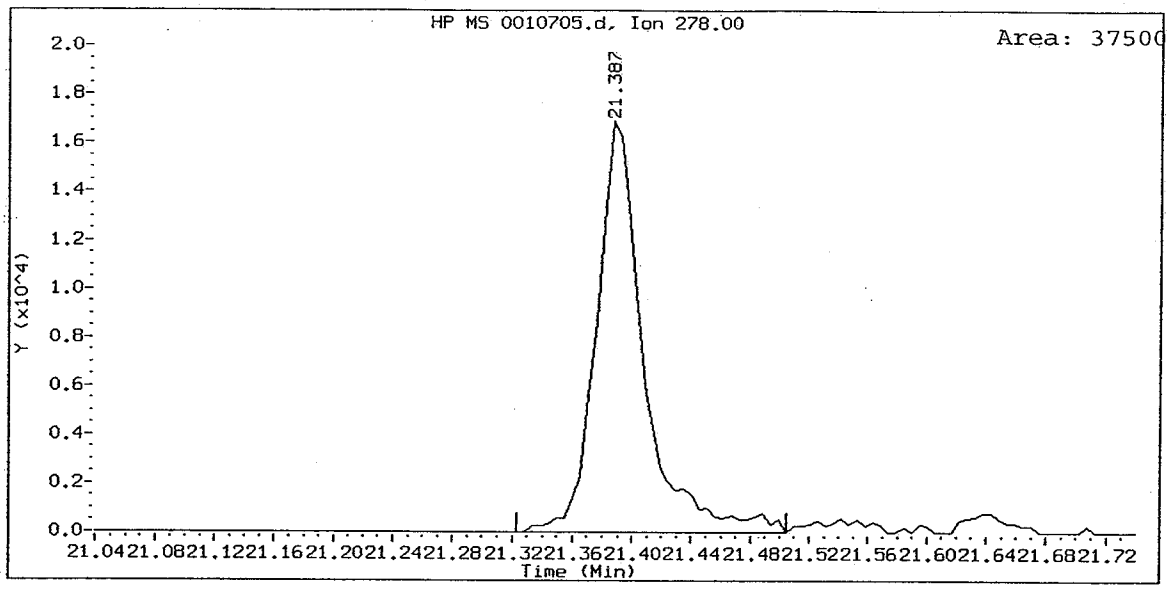
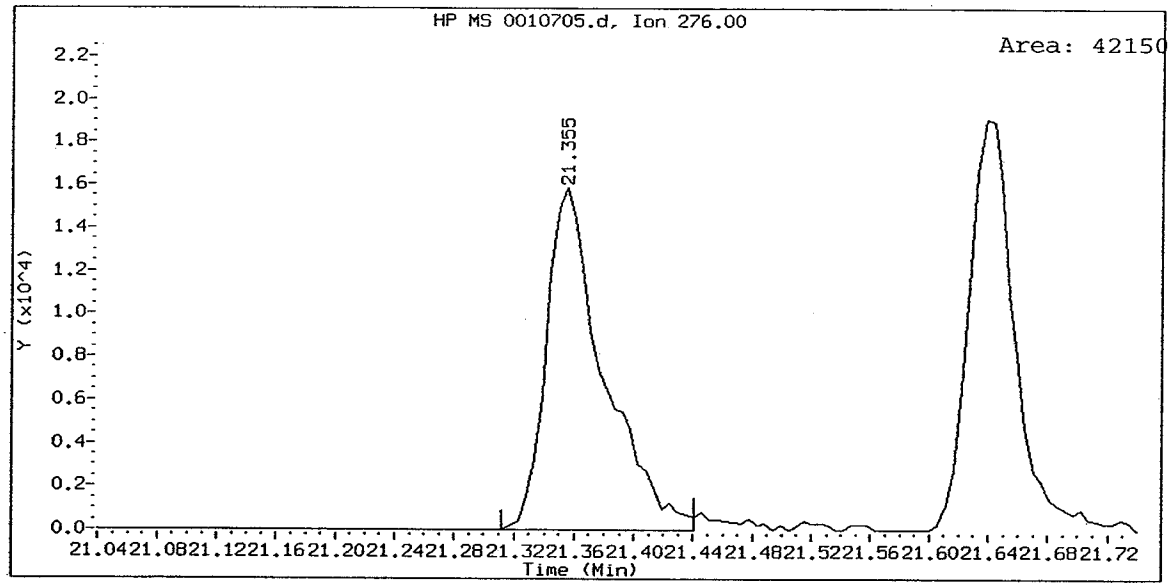
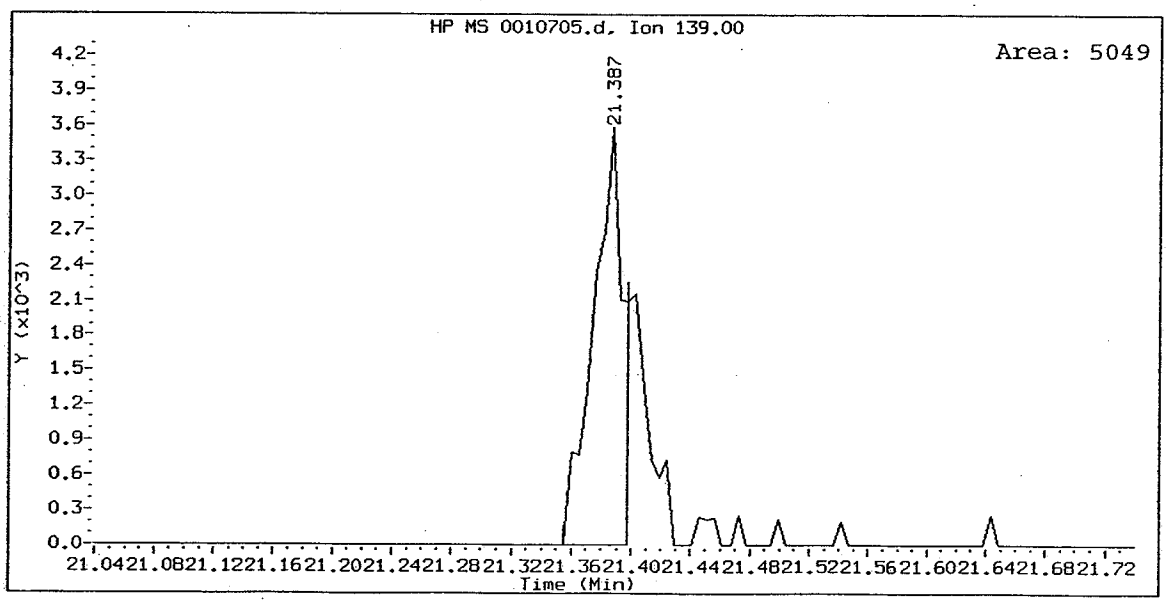
Dibenzo(a,h)anthracene Amount: 0.89







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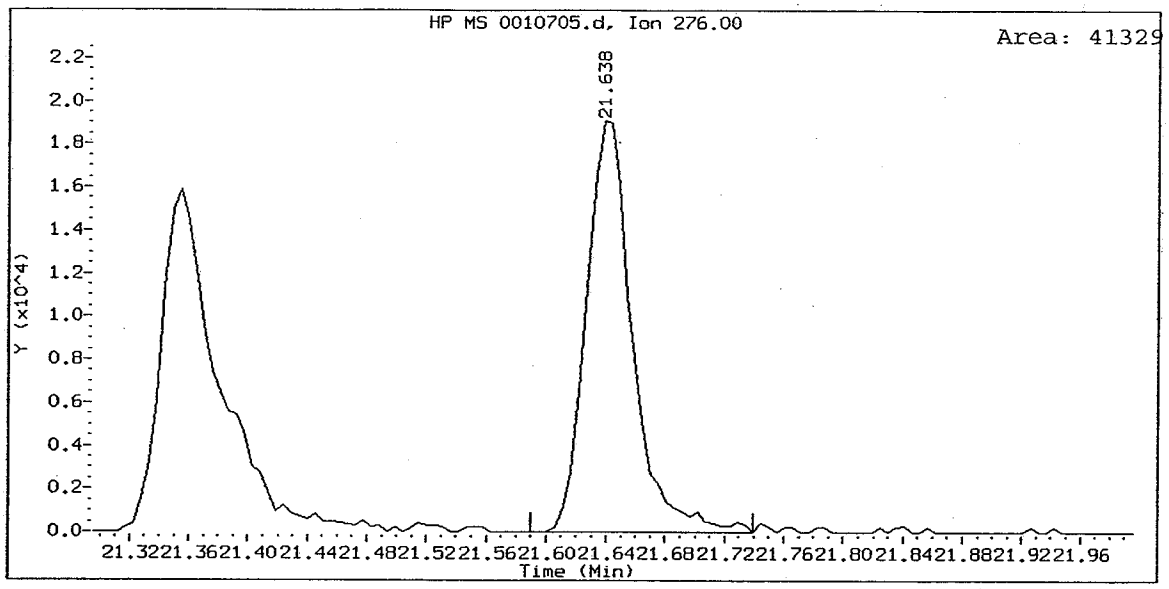
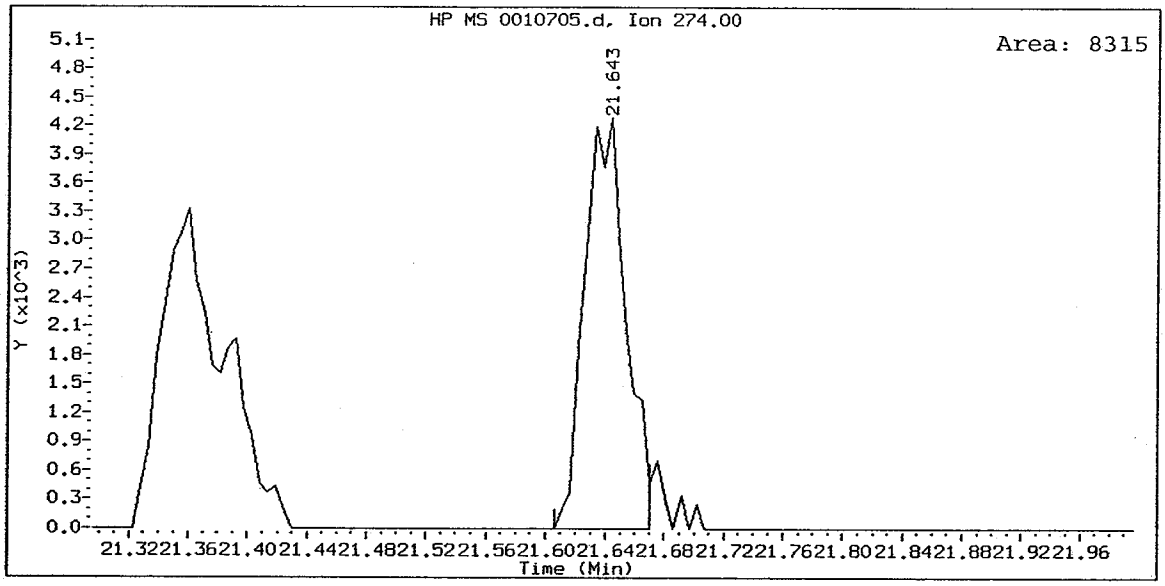
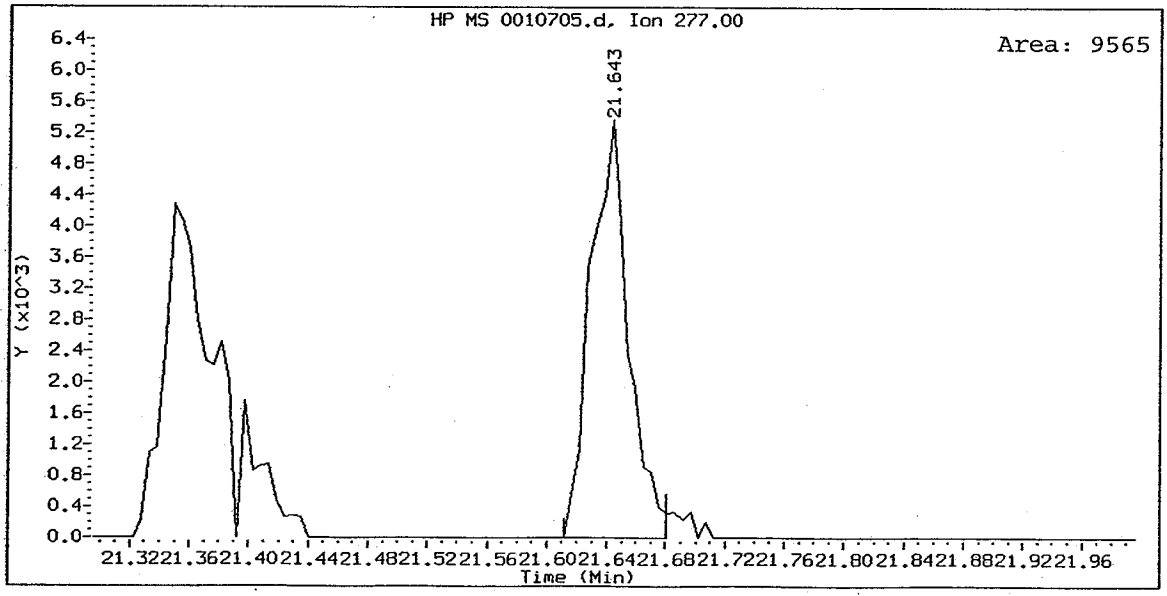
Benzo(g,h,i)perylene Amount: 0.92







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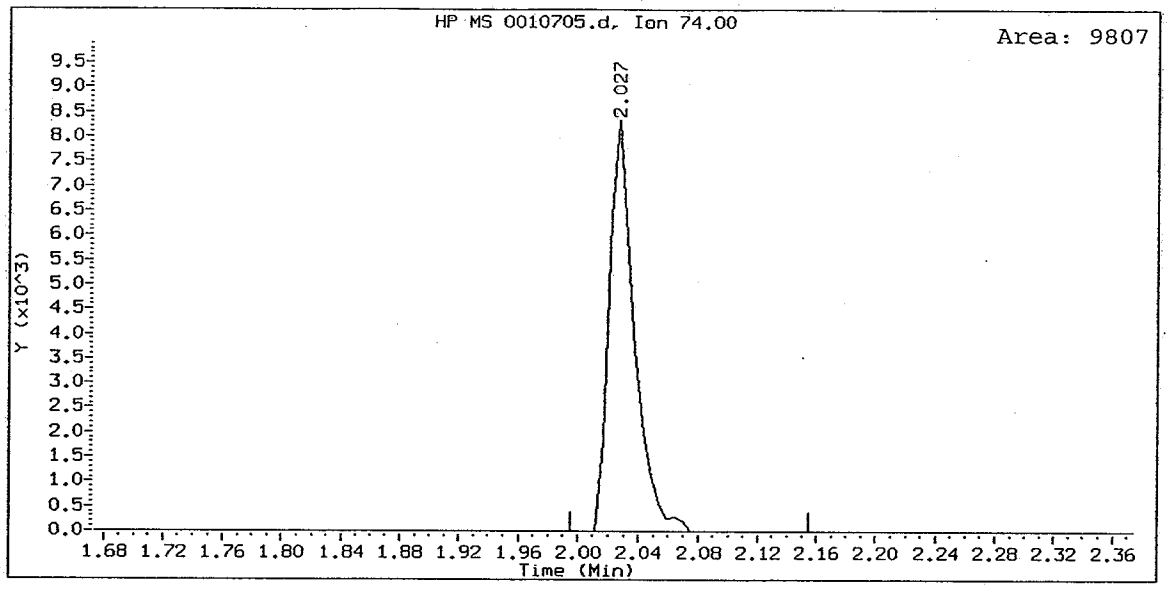
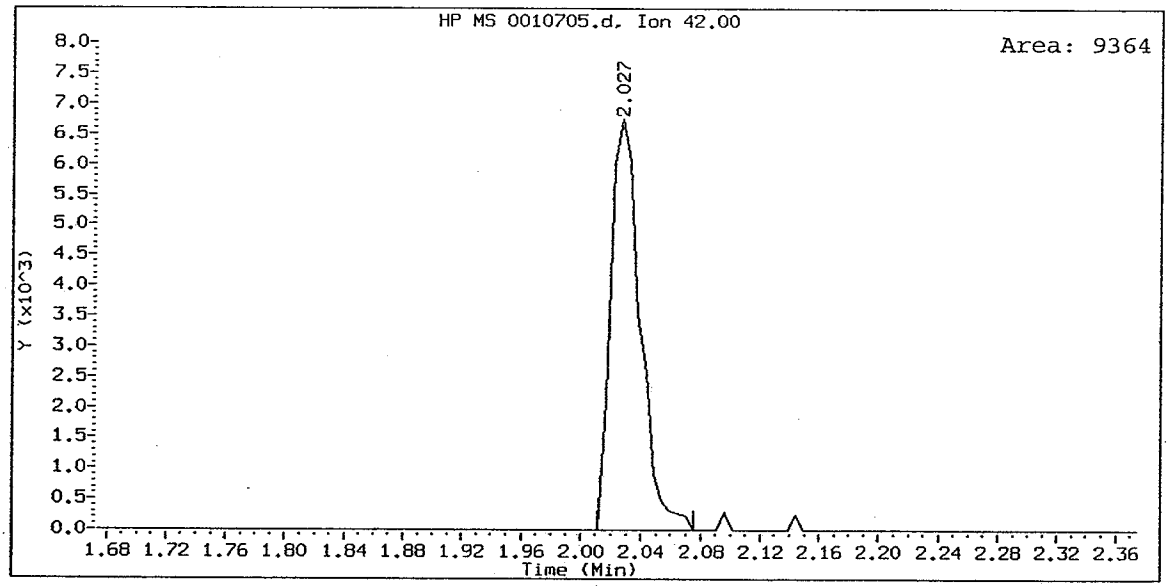
N-Nitrosodimethylamine Amount: 0.97





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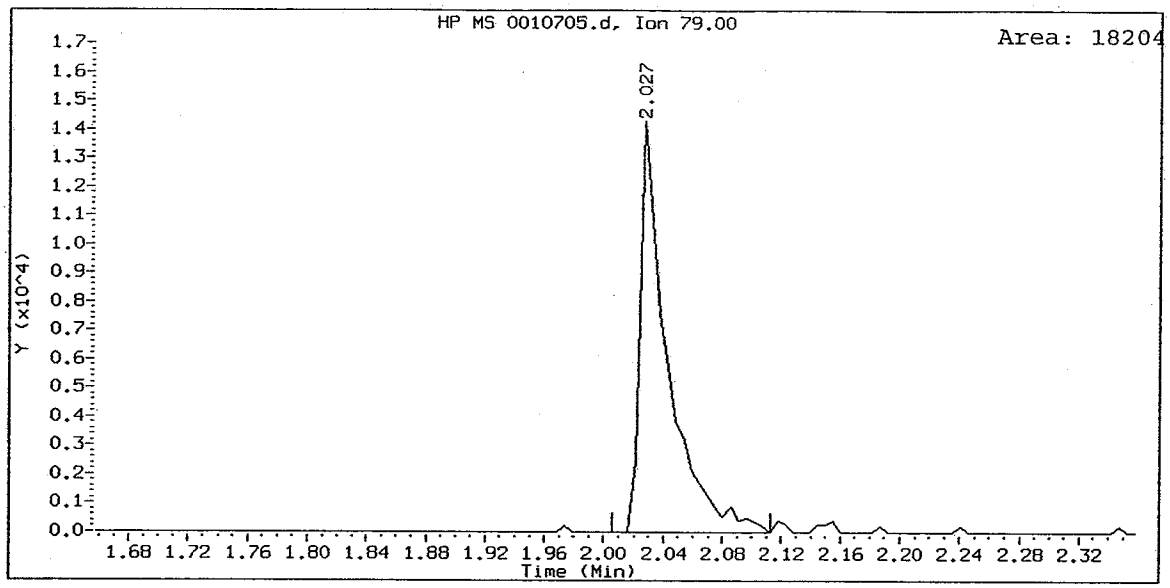
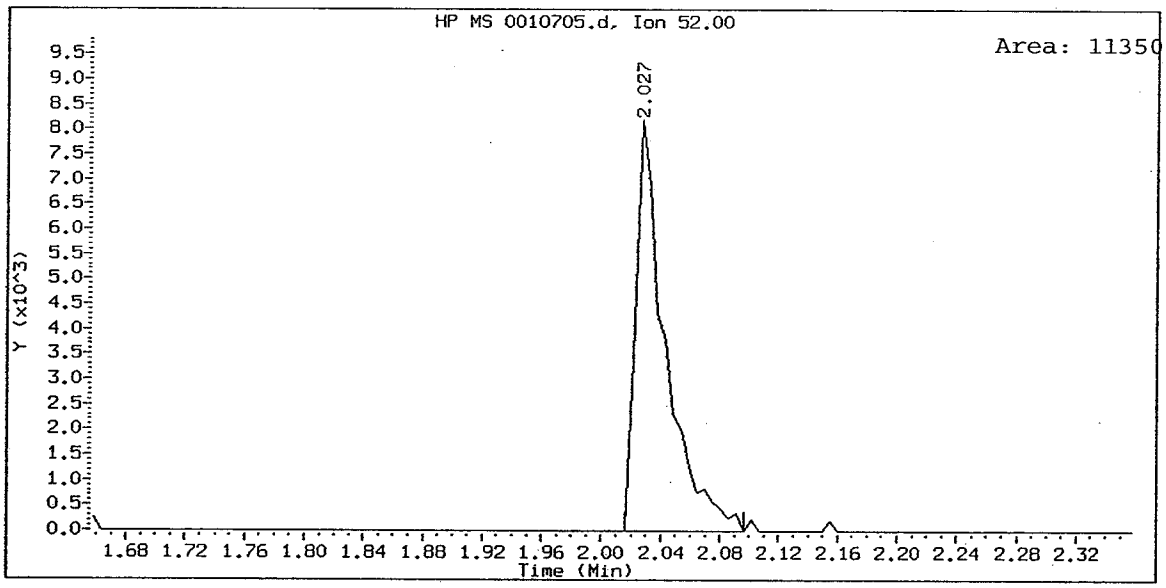
Pyridine Amount: 0.88





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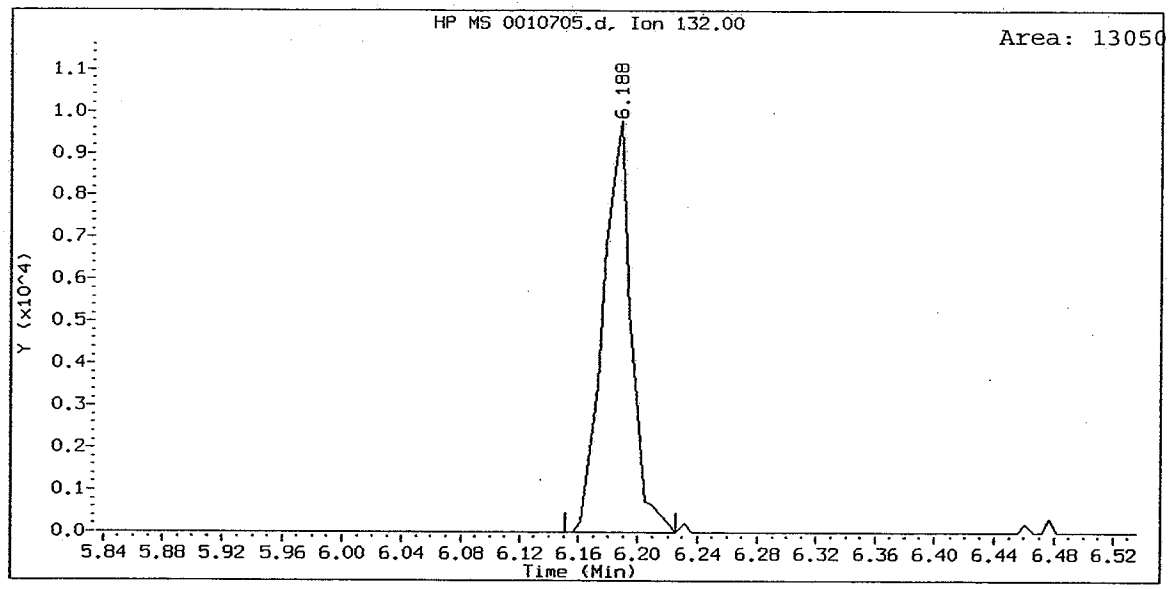
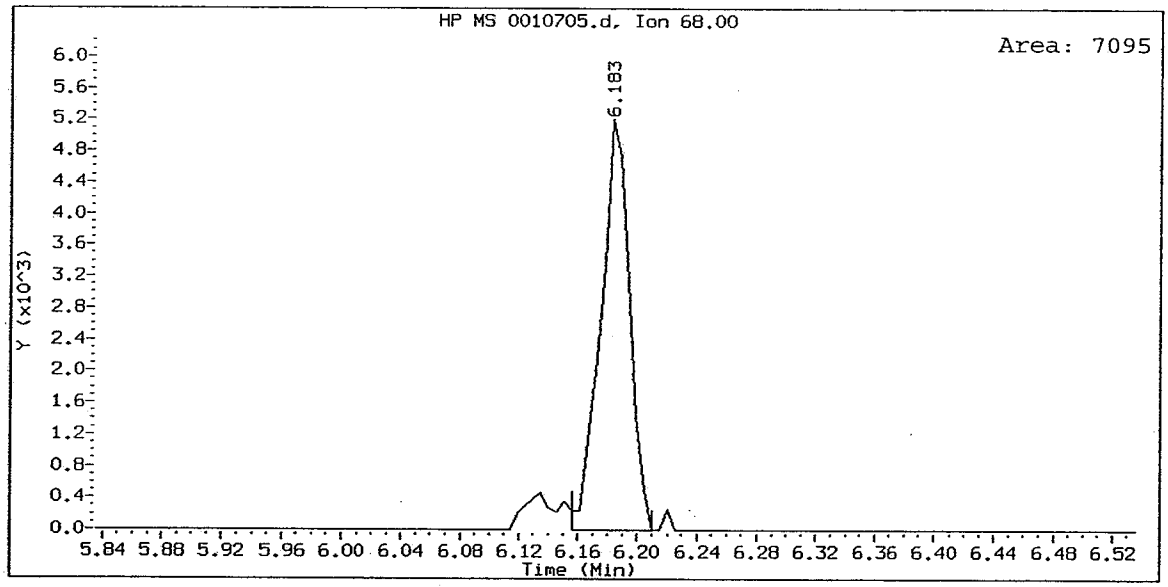
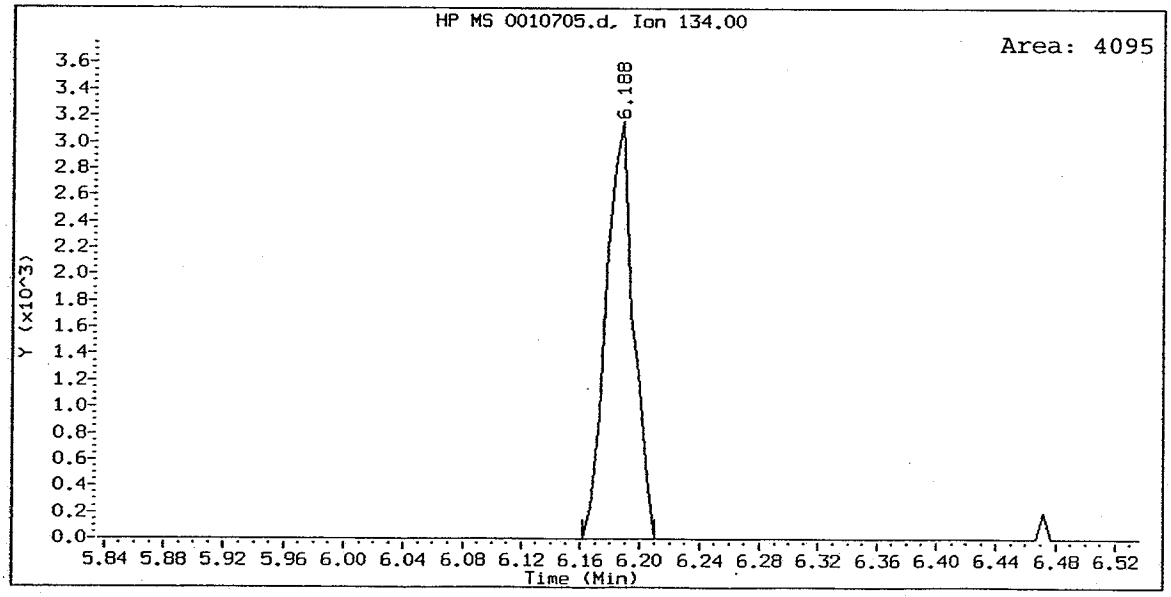
2-Chlorophenol-d4 Amount: 0.92







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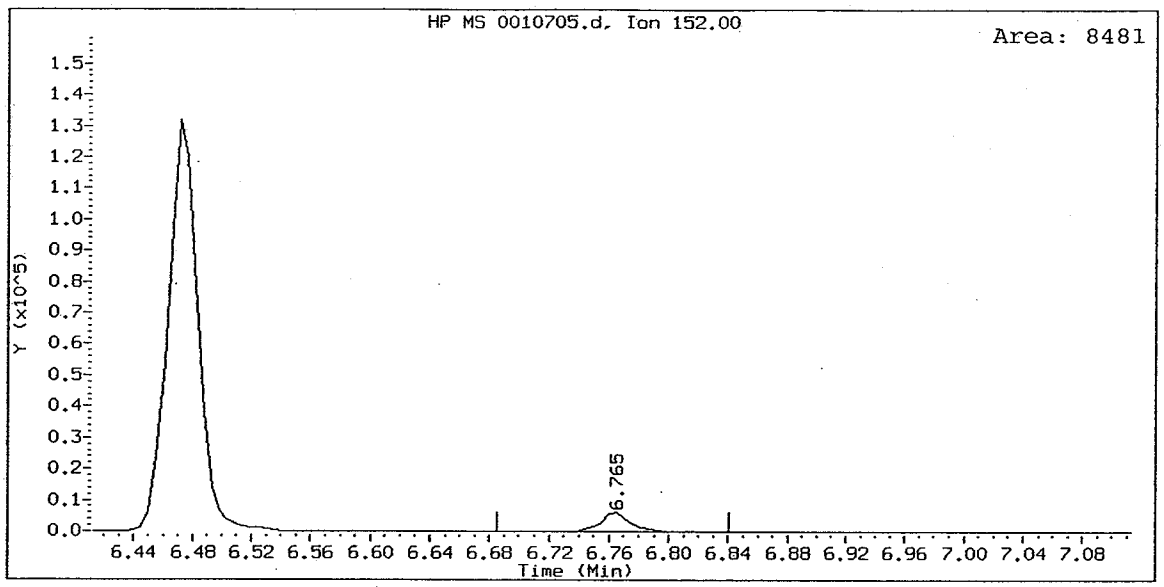
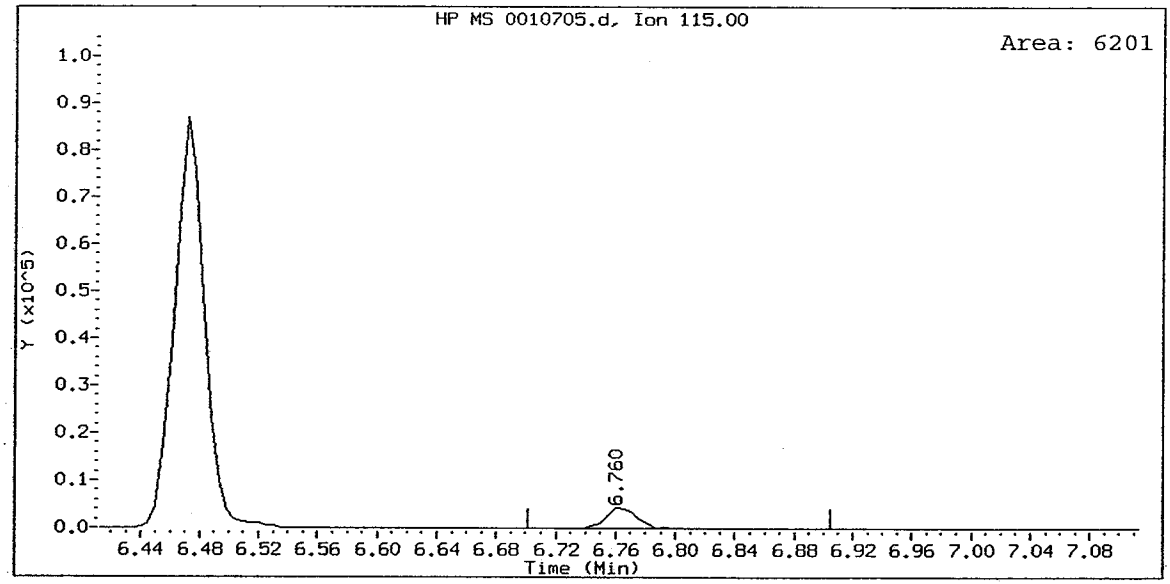
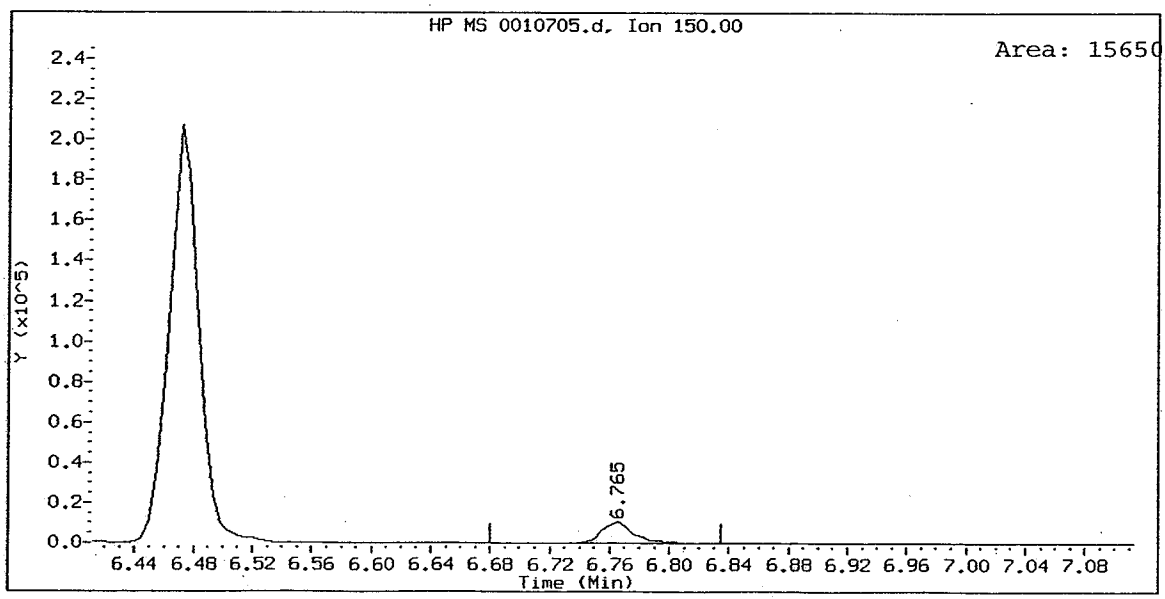
1,2-Dichlorobenzene-d4 Amount: 0.93







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0050705.d
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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(M)
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

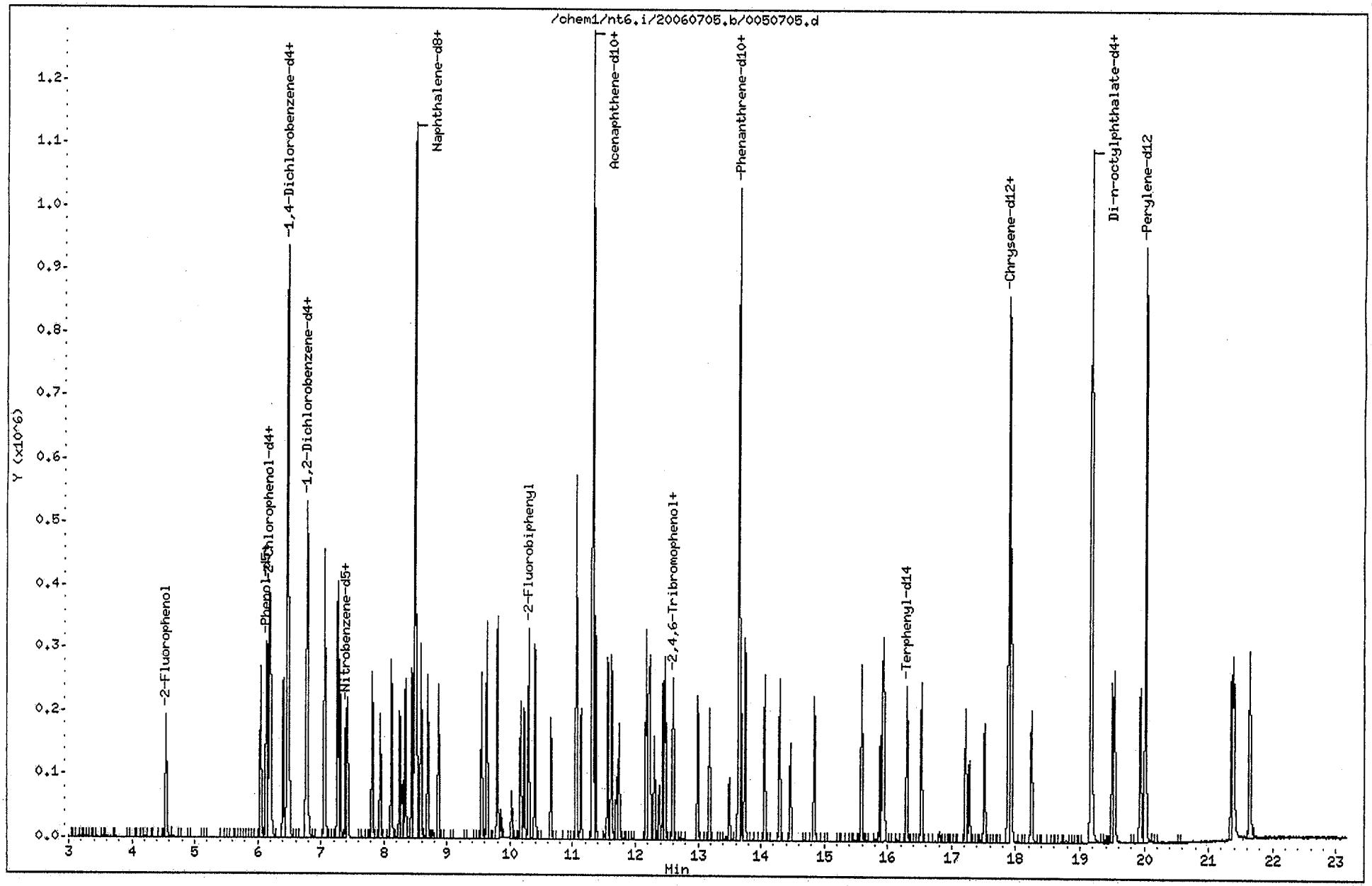
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0050705.d
Date : 05-JUL-2006 12:18
Client ID:
Sample Info: ABN 5

Instrument: nt6.i

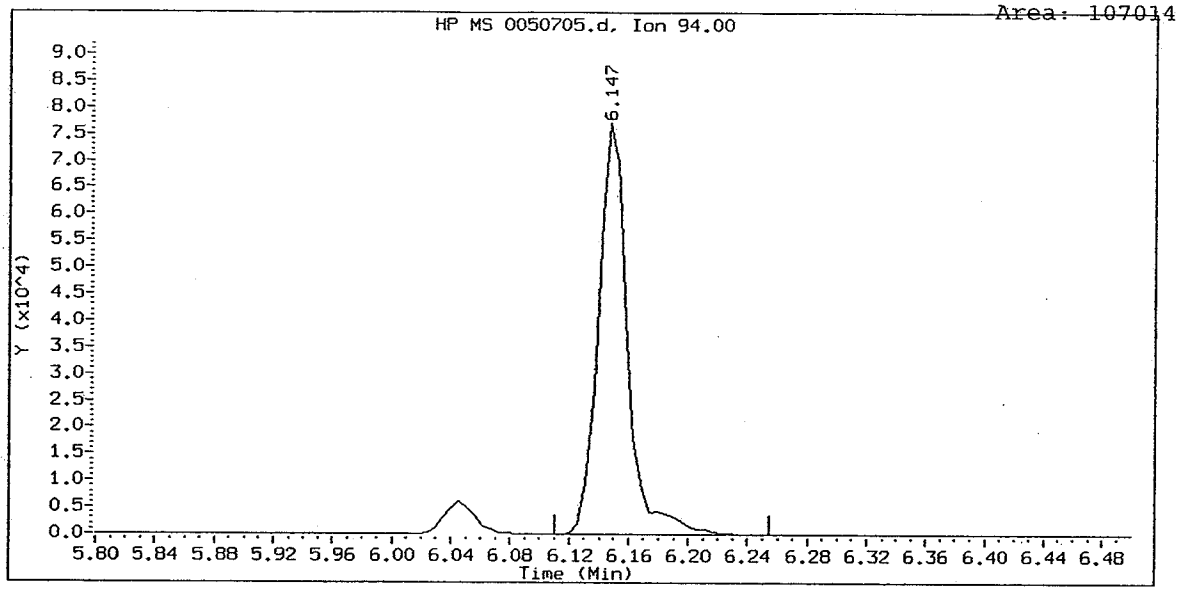
Operator: LJR
Column diameter: 0.32

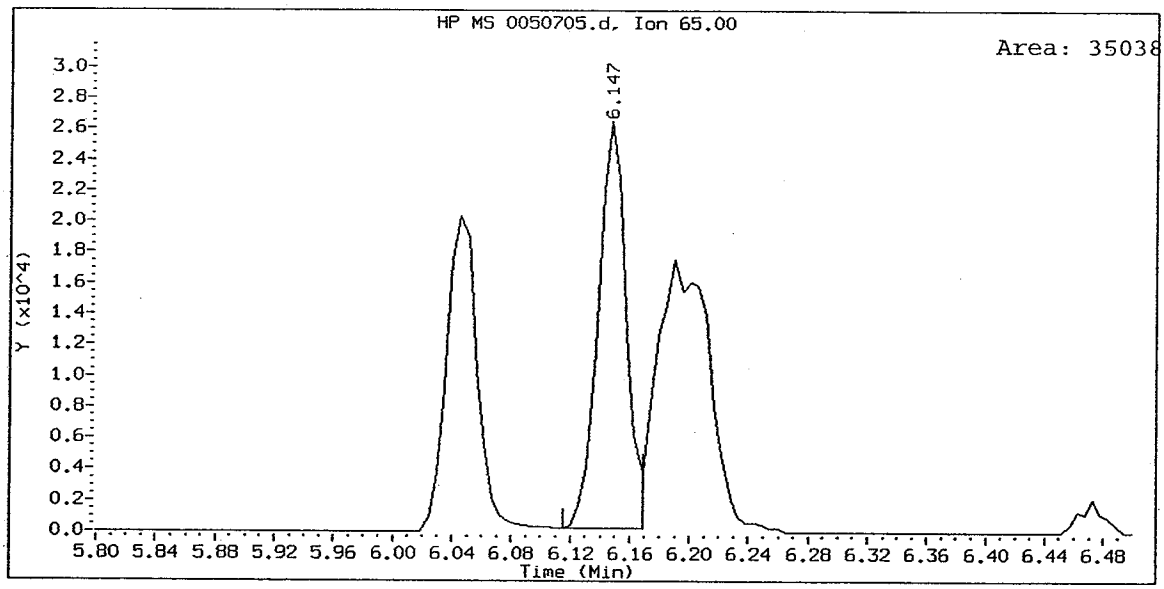
Column phase: ZB-5

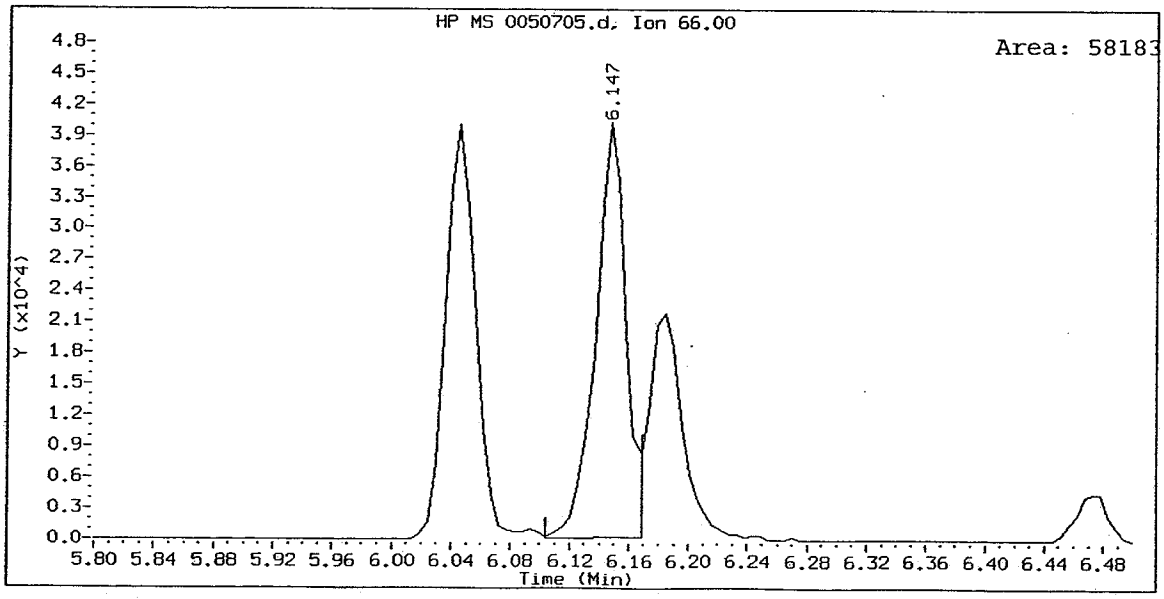


0420

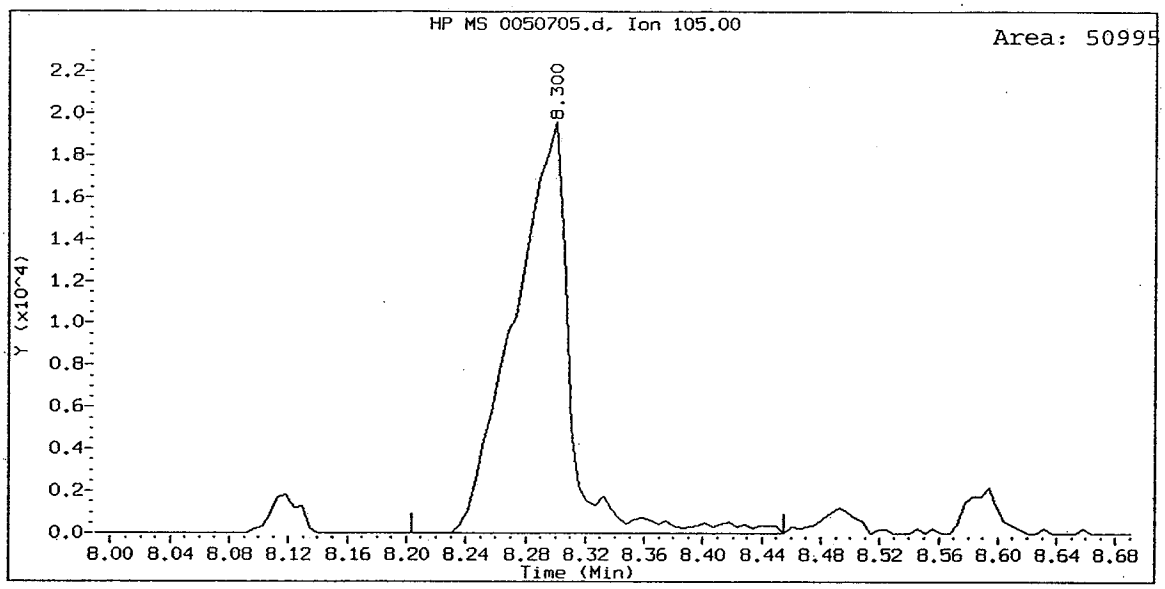
ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Phenol Amount: 5.11

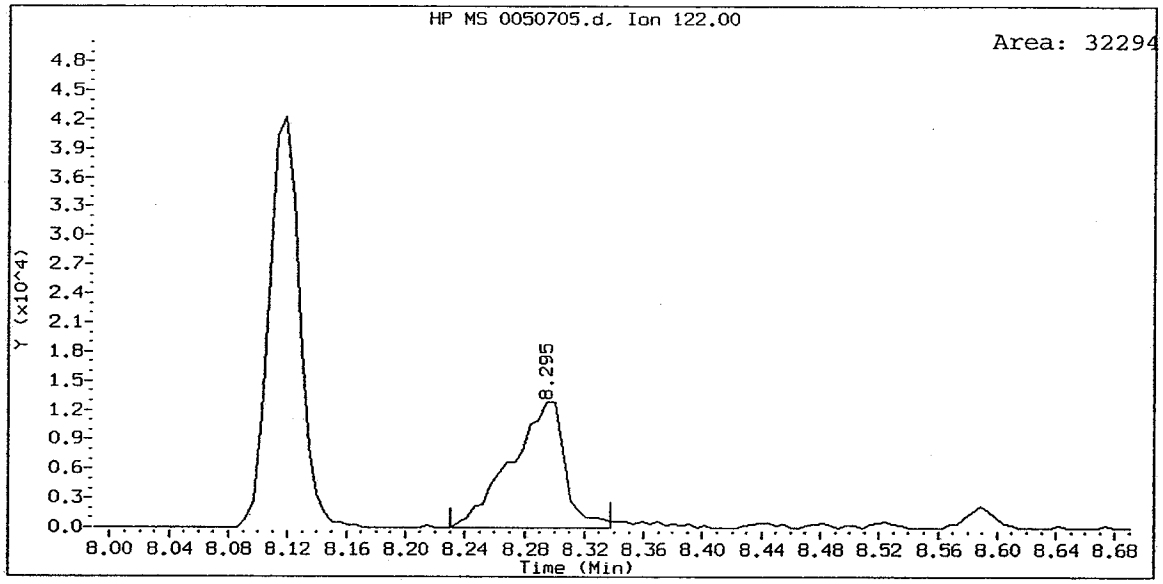


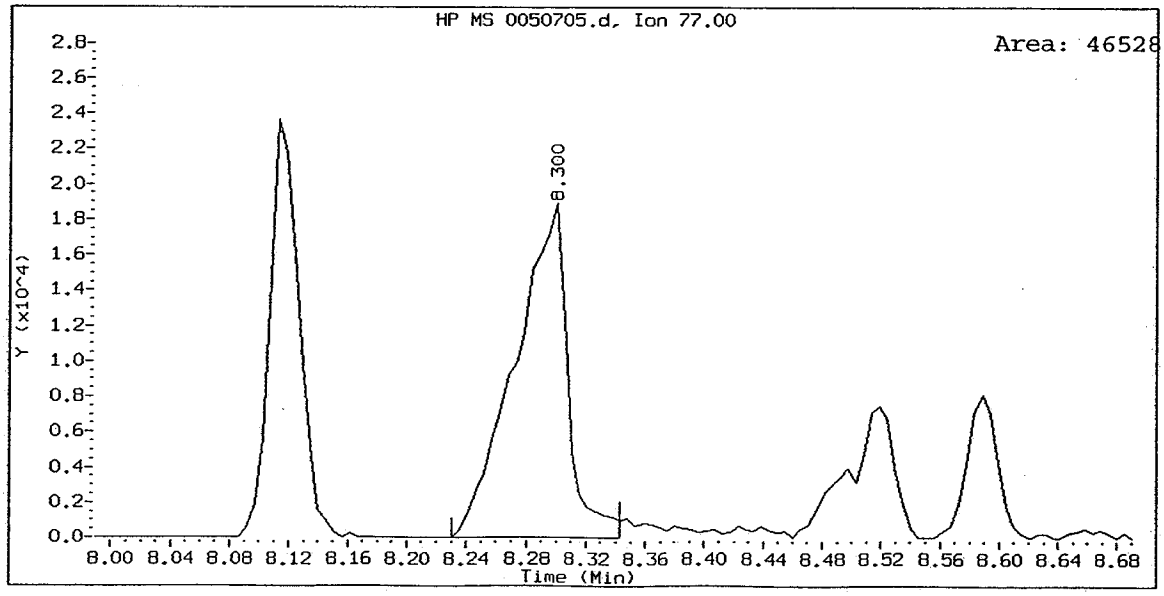




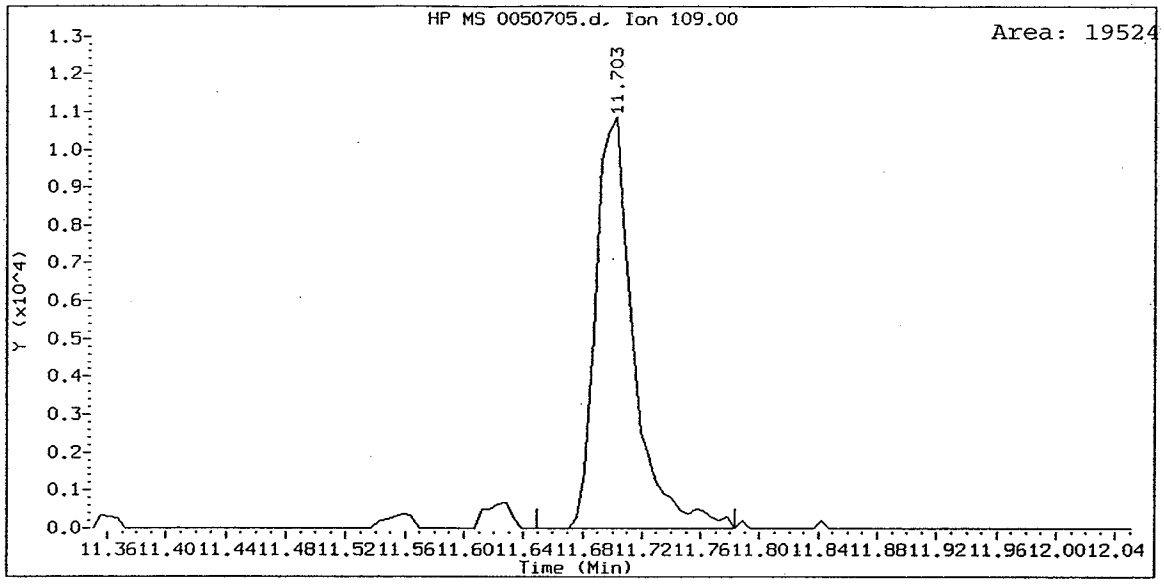
ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Benzoic acid Amount: 6.52

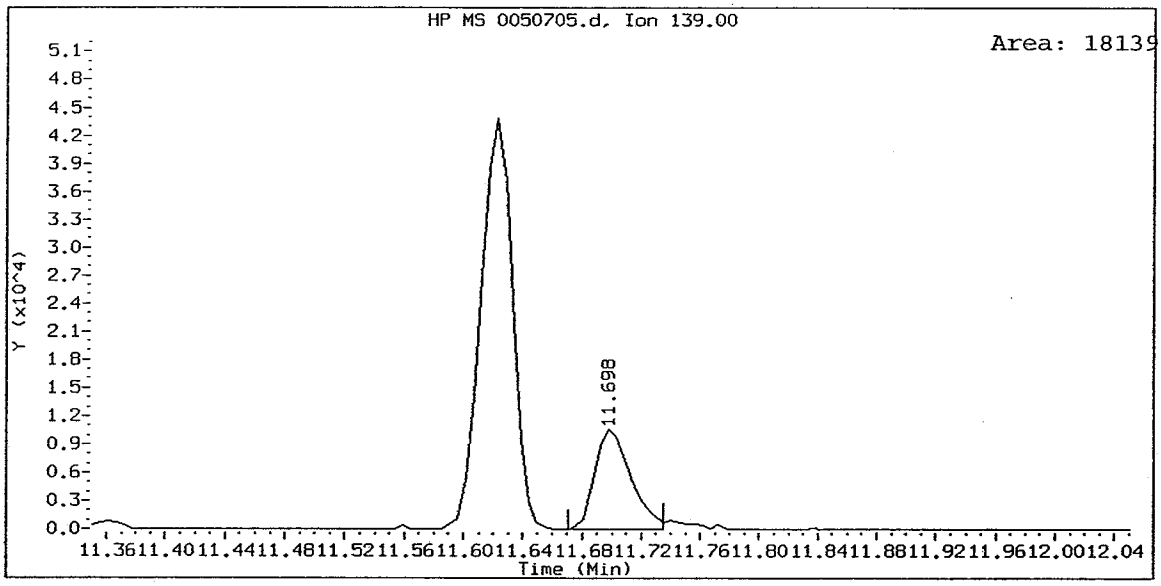


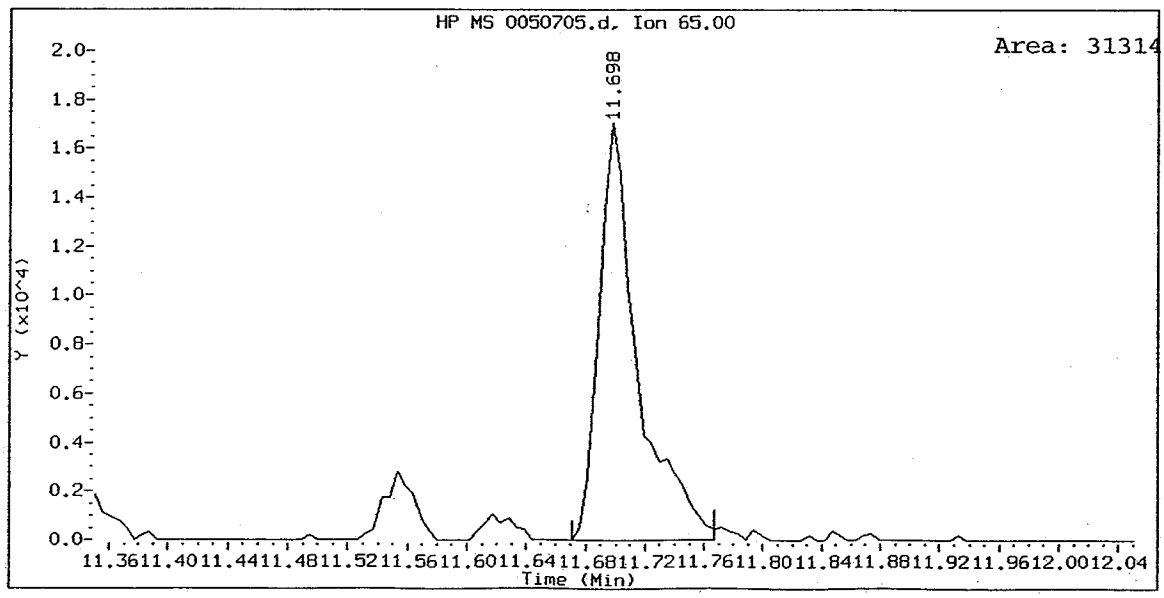




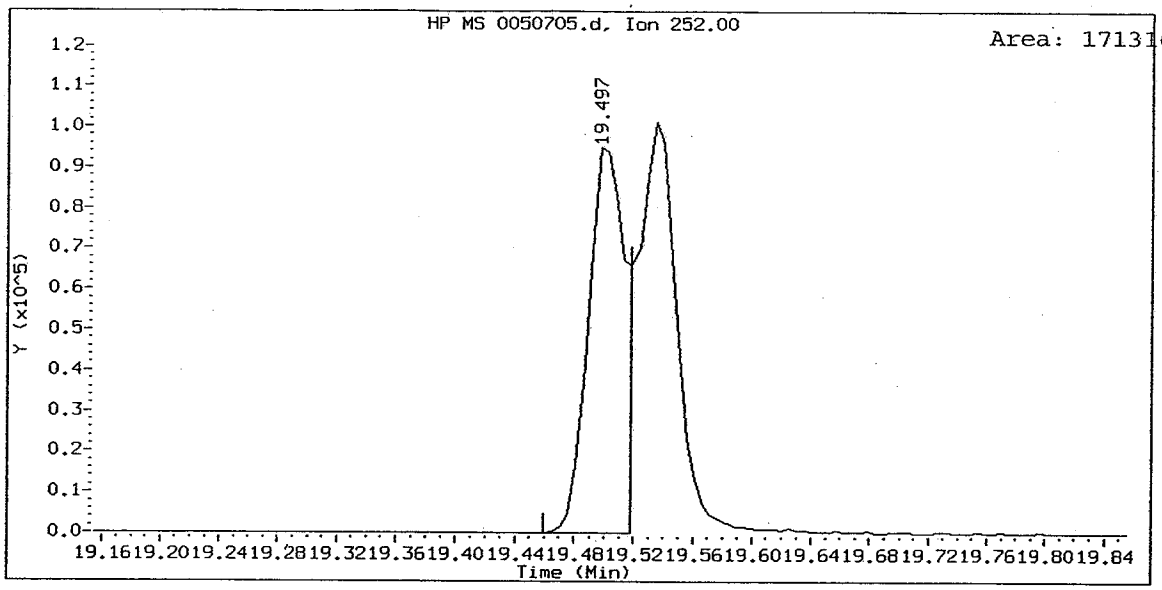
ABN 5, /chem1/nt6.i/20060705.b/0050705.d
4-Nitrophenol Amount: 4.98

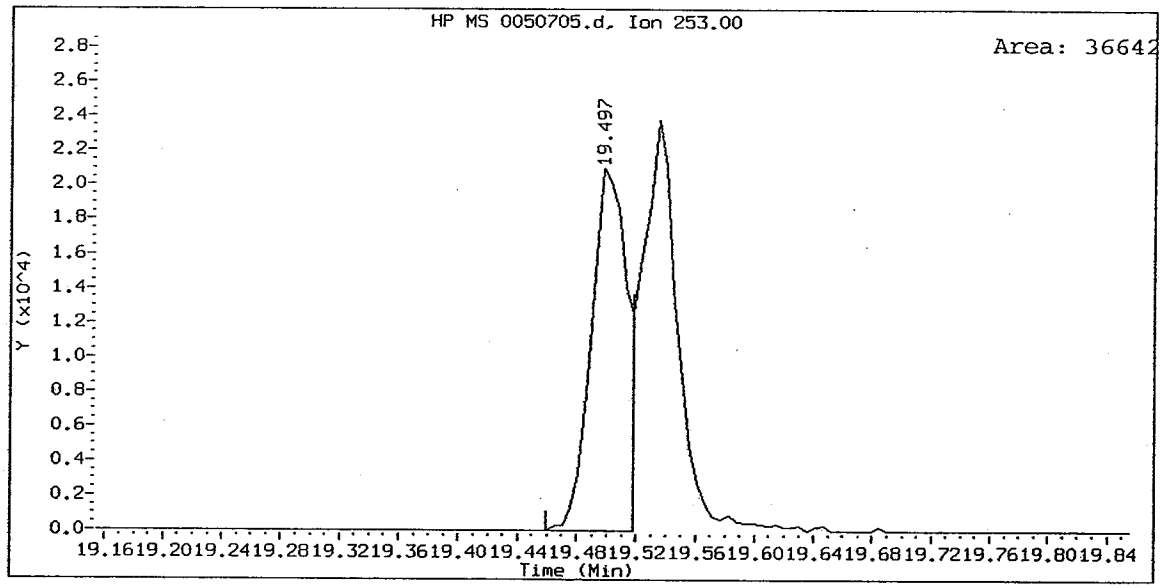


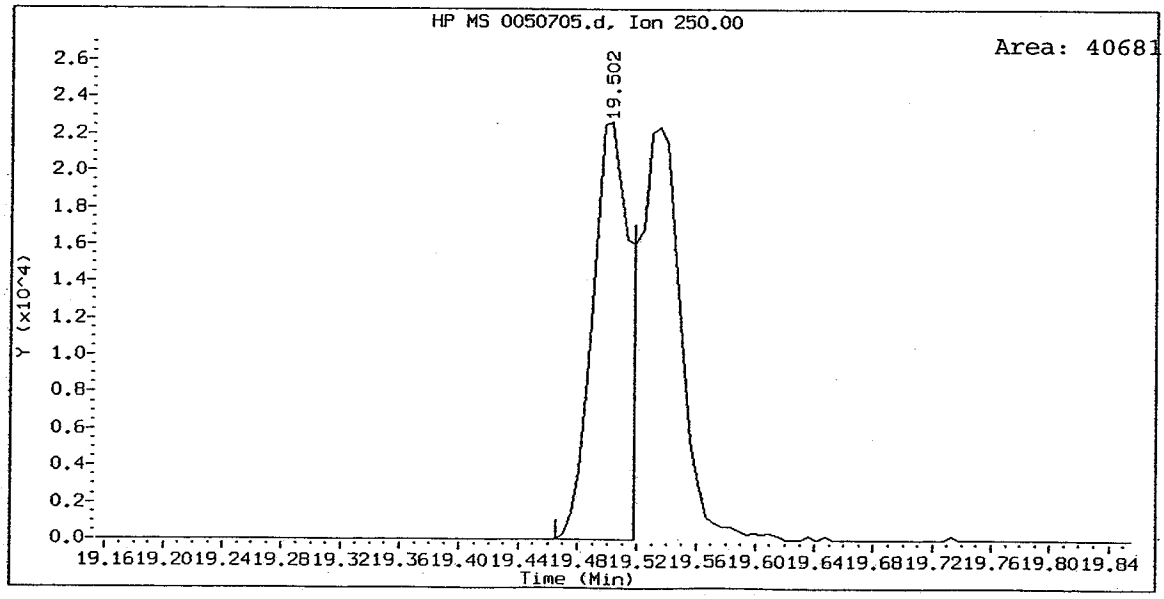




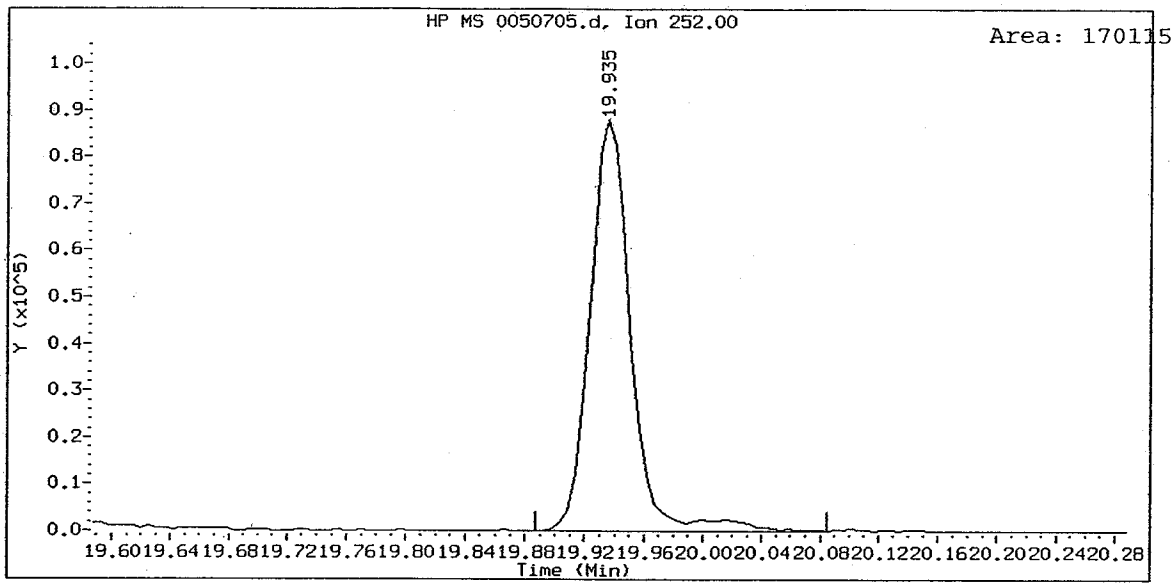
ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Benzo(b)fluoranthene Amount: 4.85

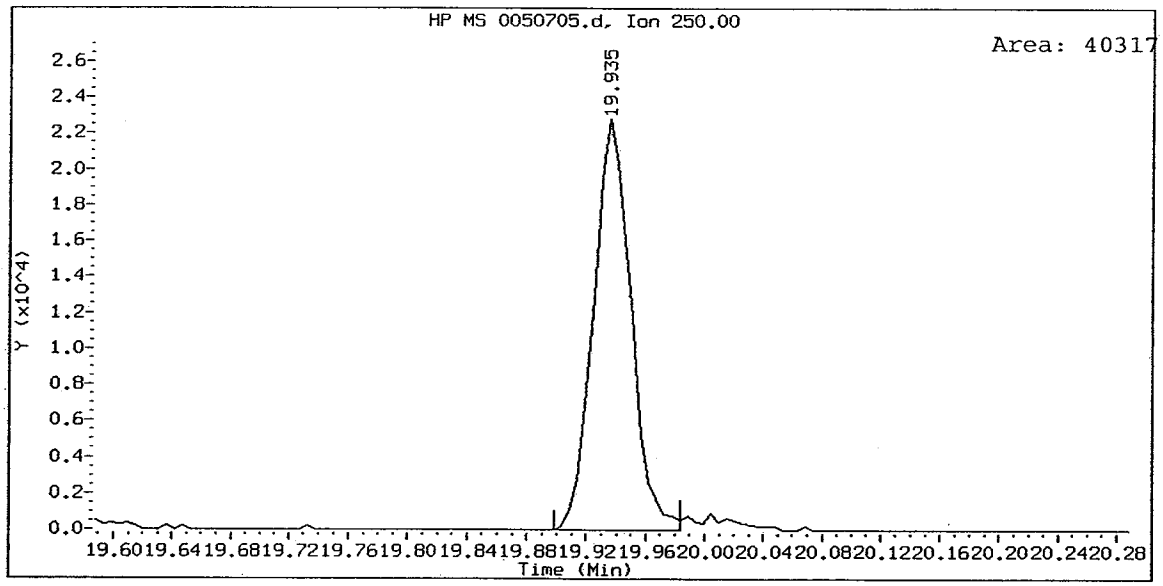


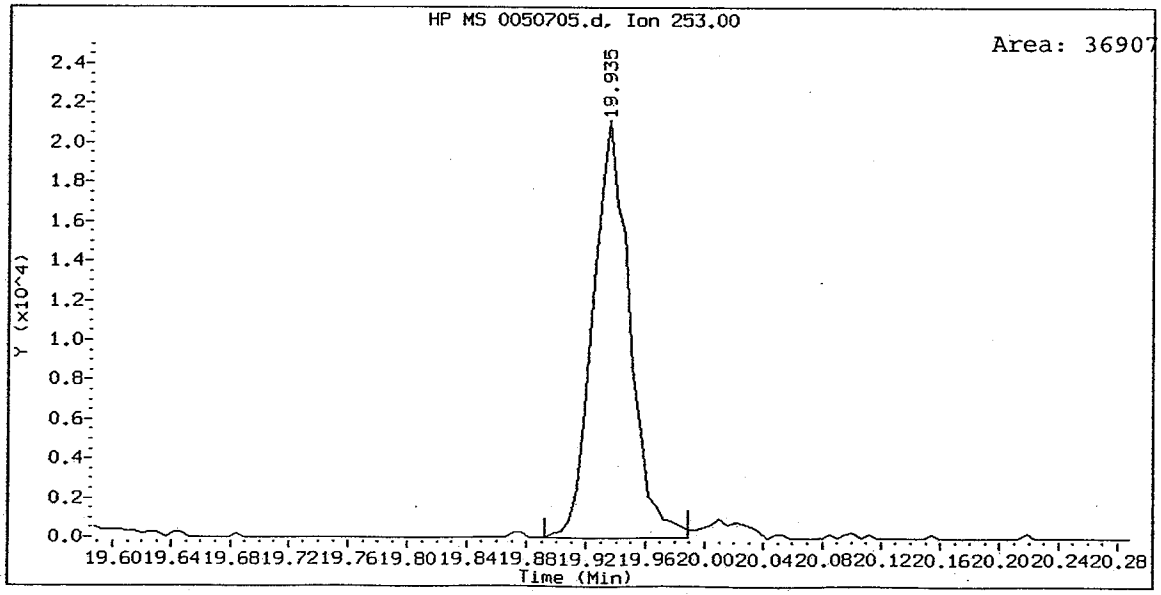




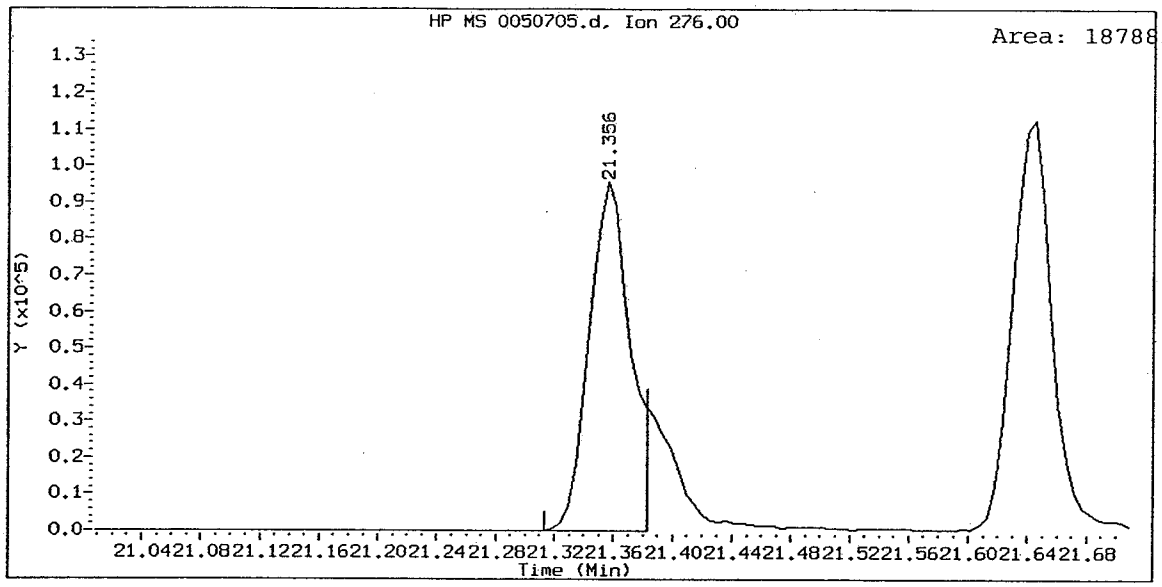
ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Benzo(a)pyrene Amount: 5.01

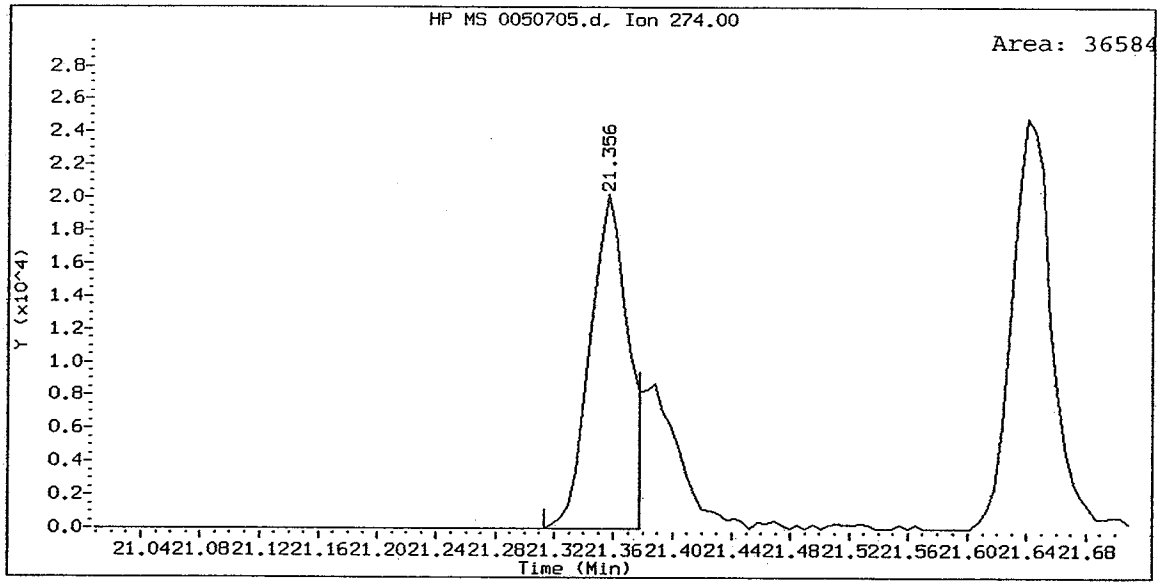


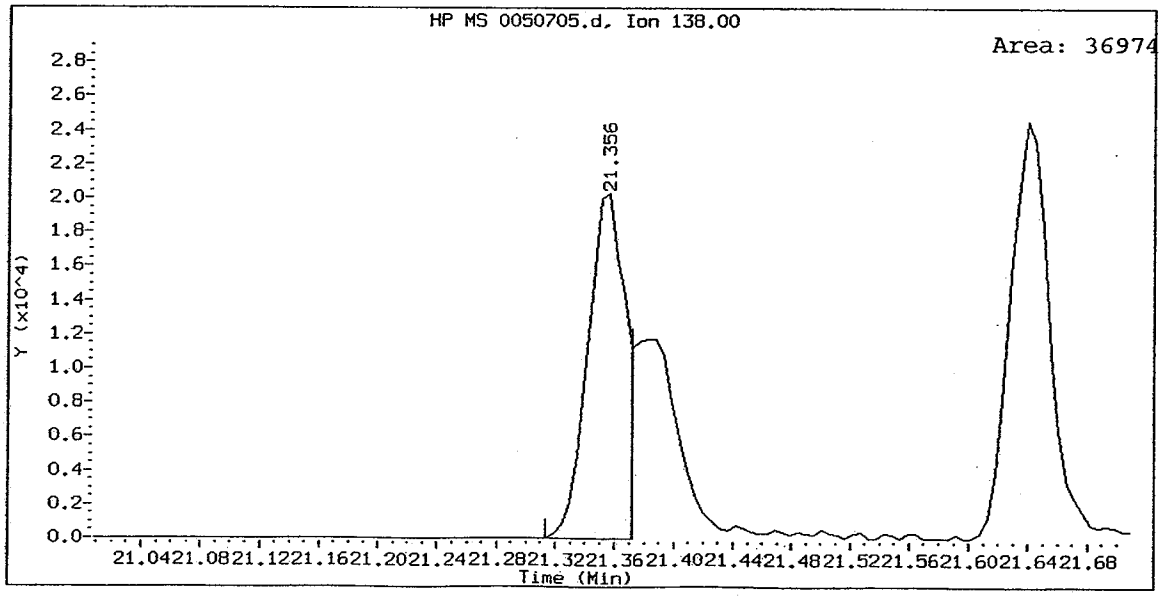




ABN 5, /chem1/nt6.i/20060705.b/0050705.d
Indeno(1,2,3-cd)pyrene Amount: 4.54







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

	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)	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.

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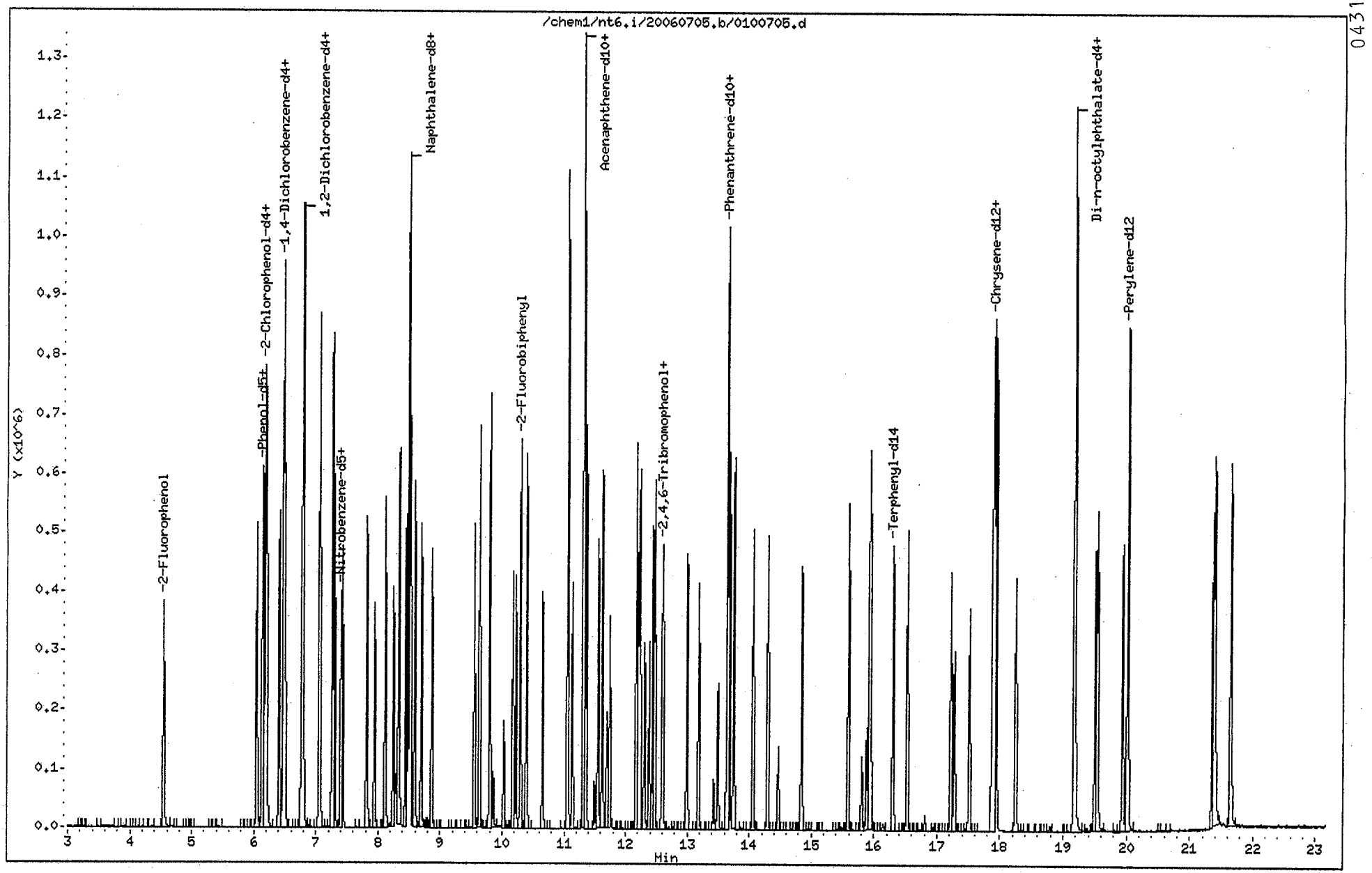
Date : 05-JUL-2006 12:49
Client ID:
Sample Info: ABN 10

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0431

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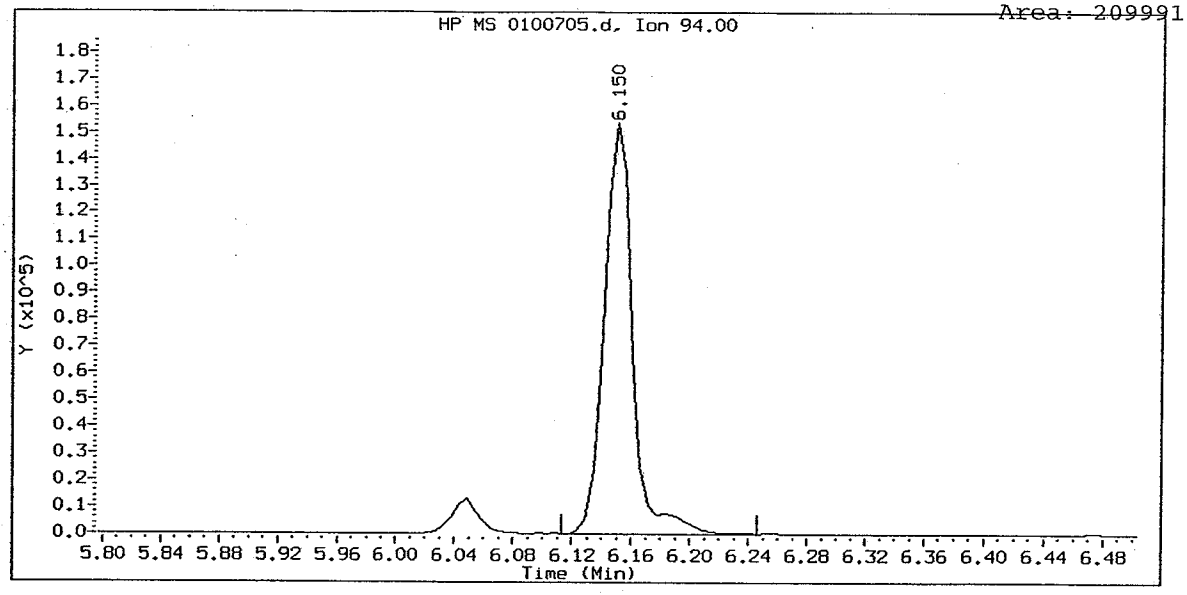

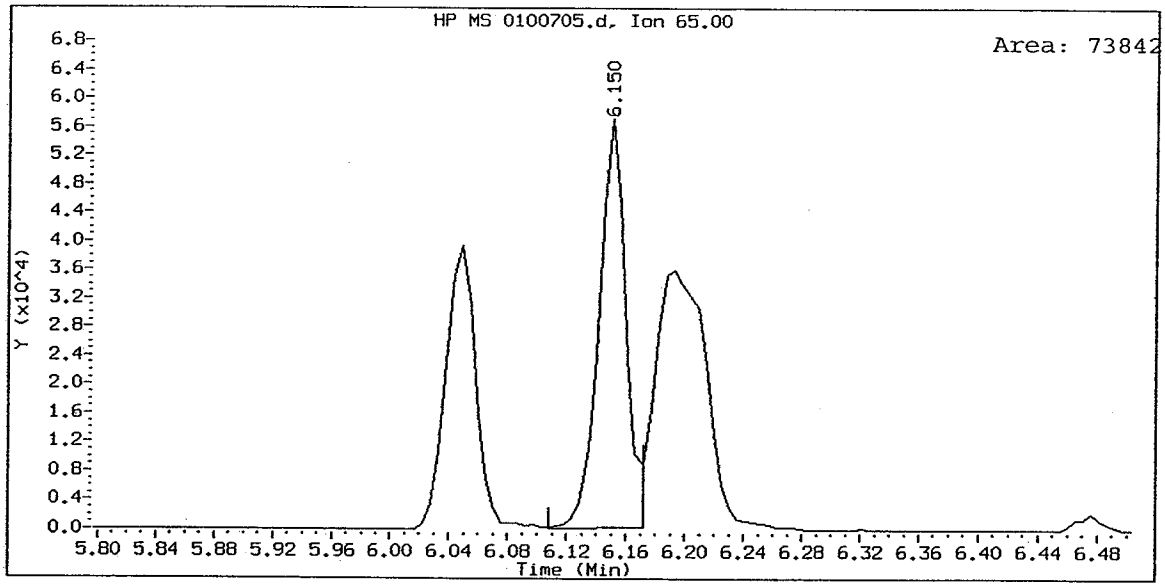

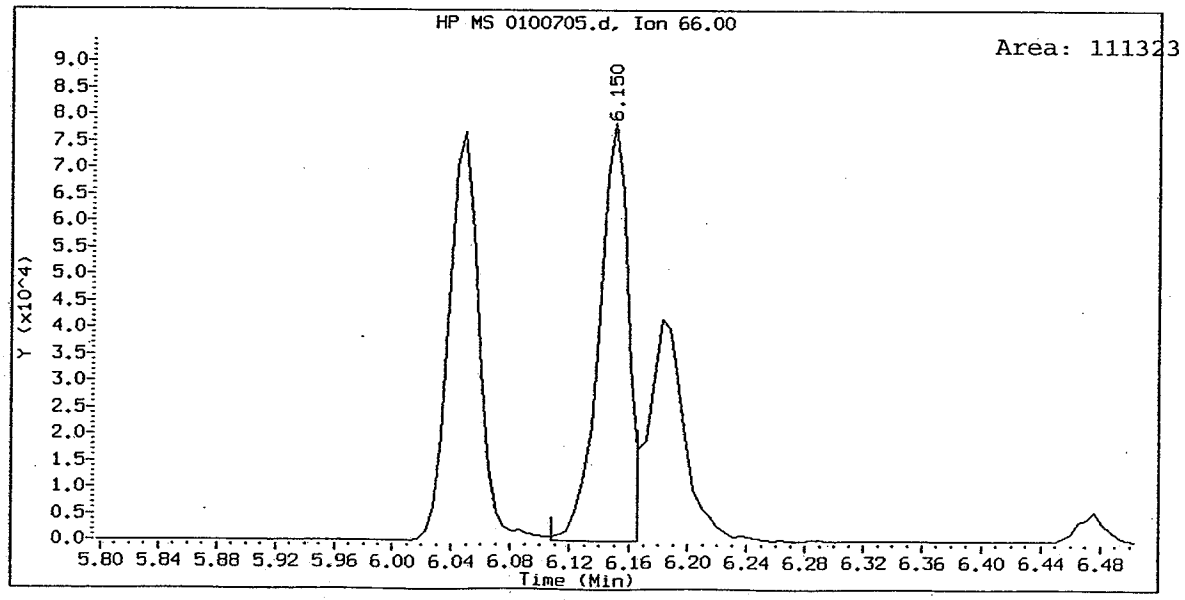

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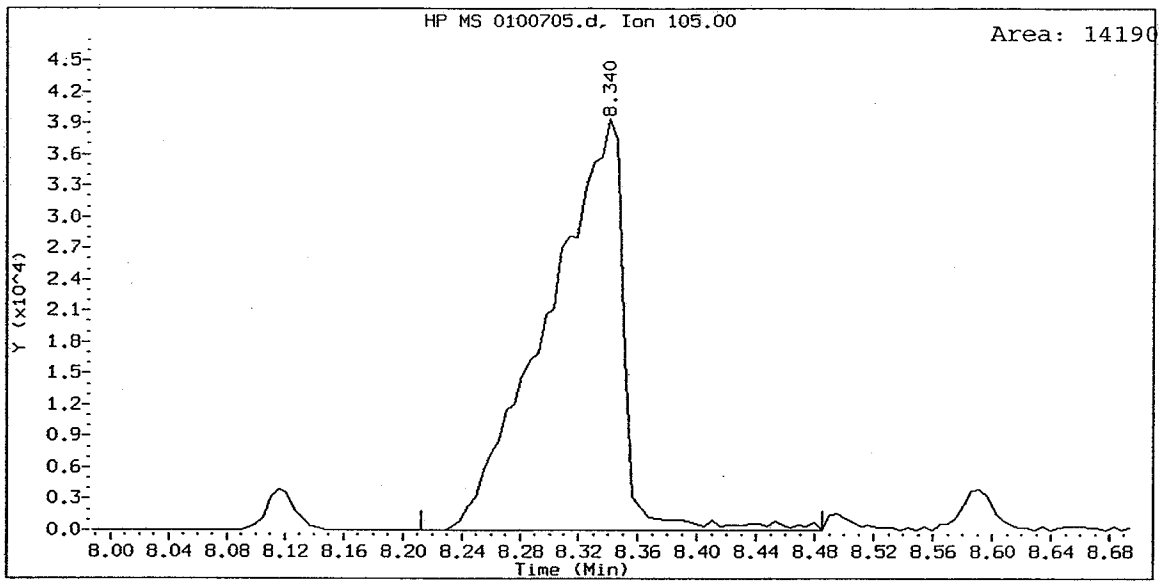
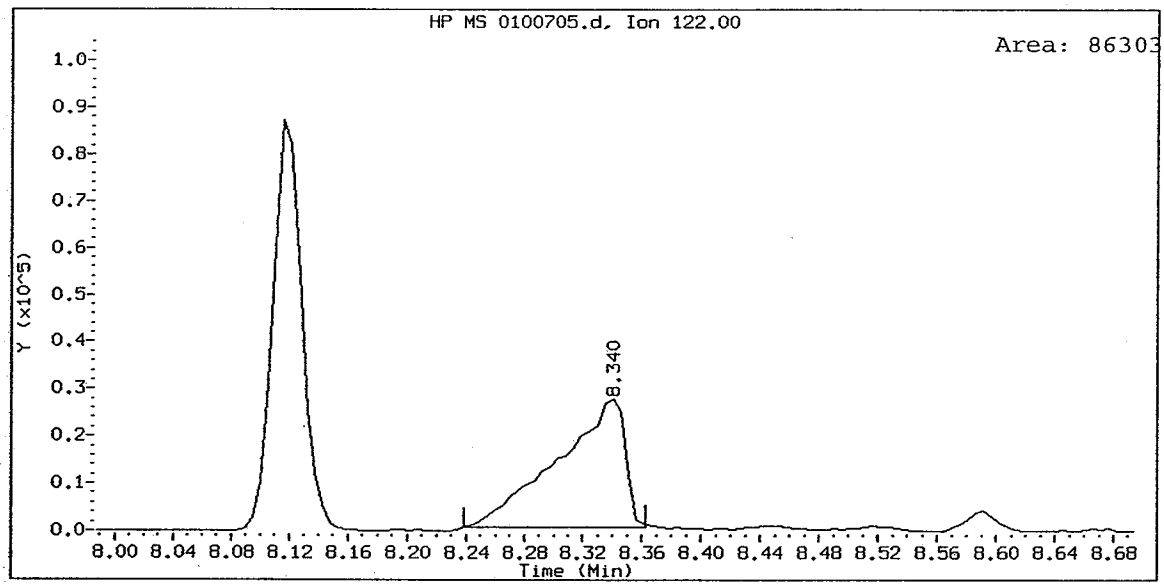
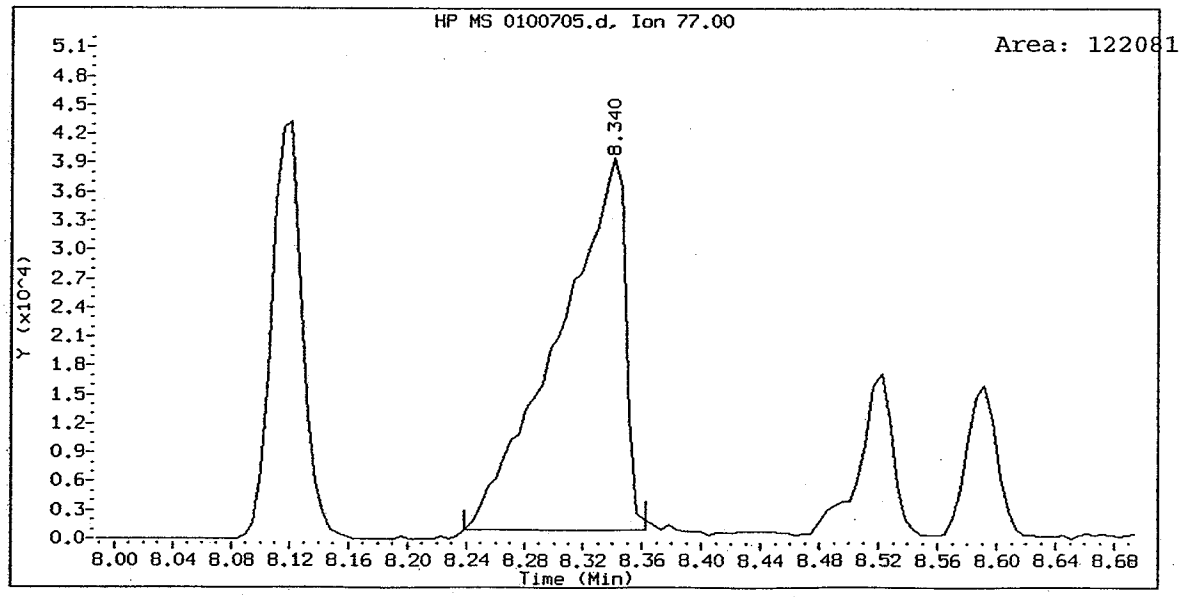
Benzoic acid Amount: 18.46







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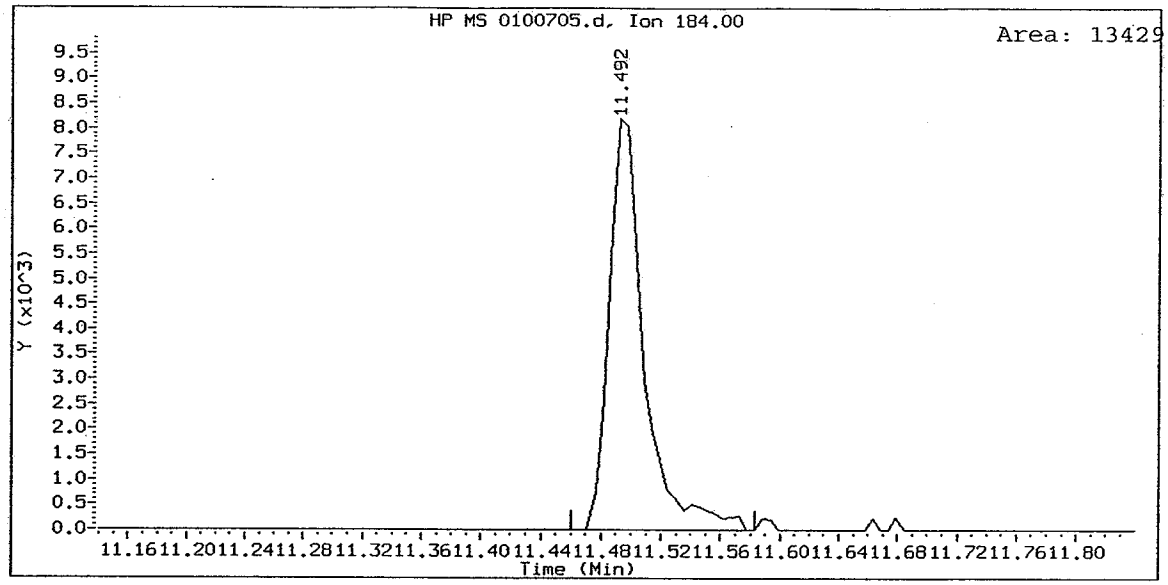
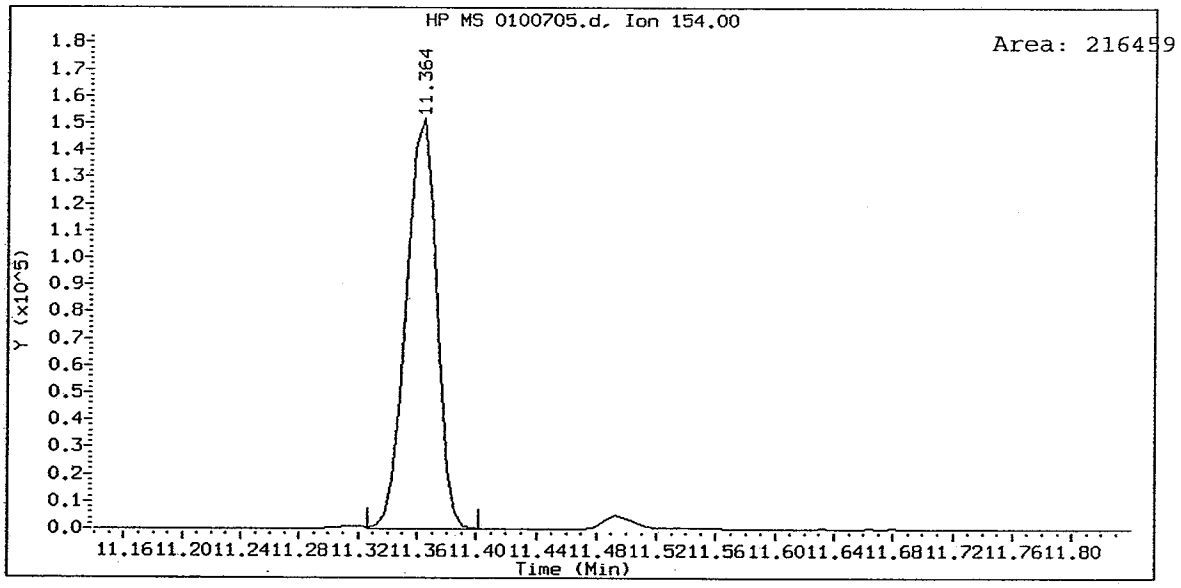
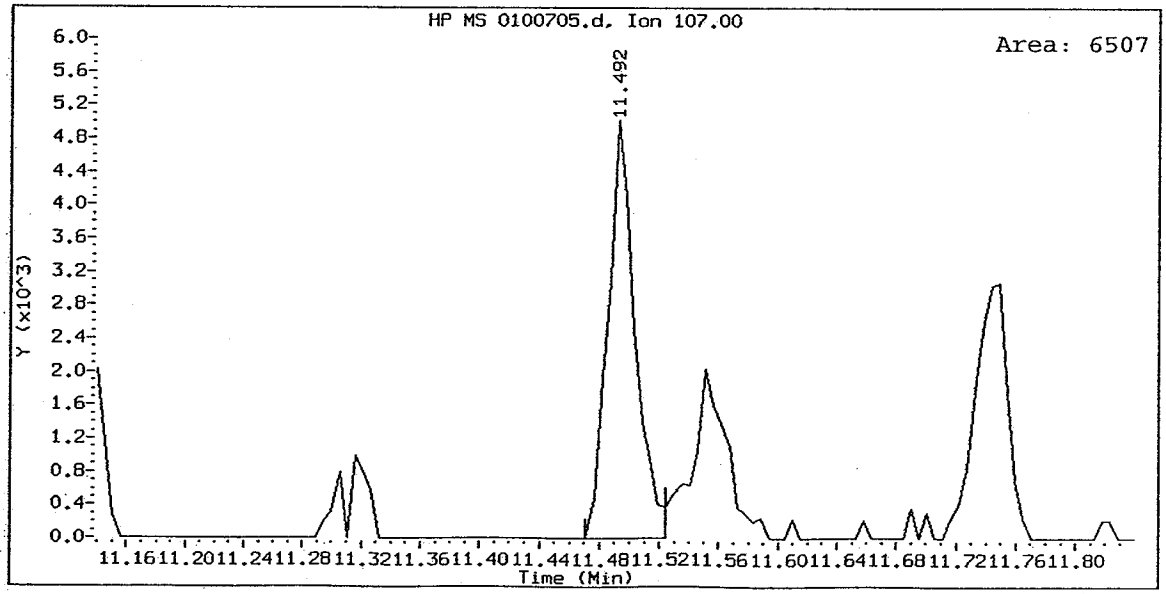
2,4-Dinitrophenol Amount: 12.41







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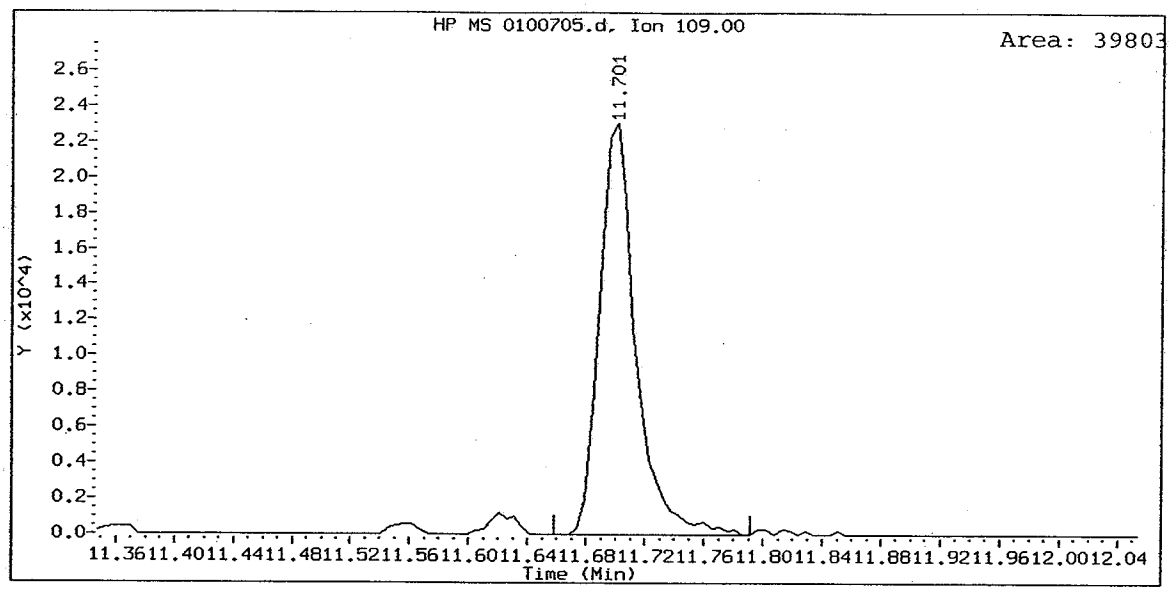
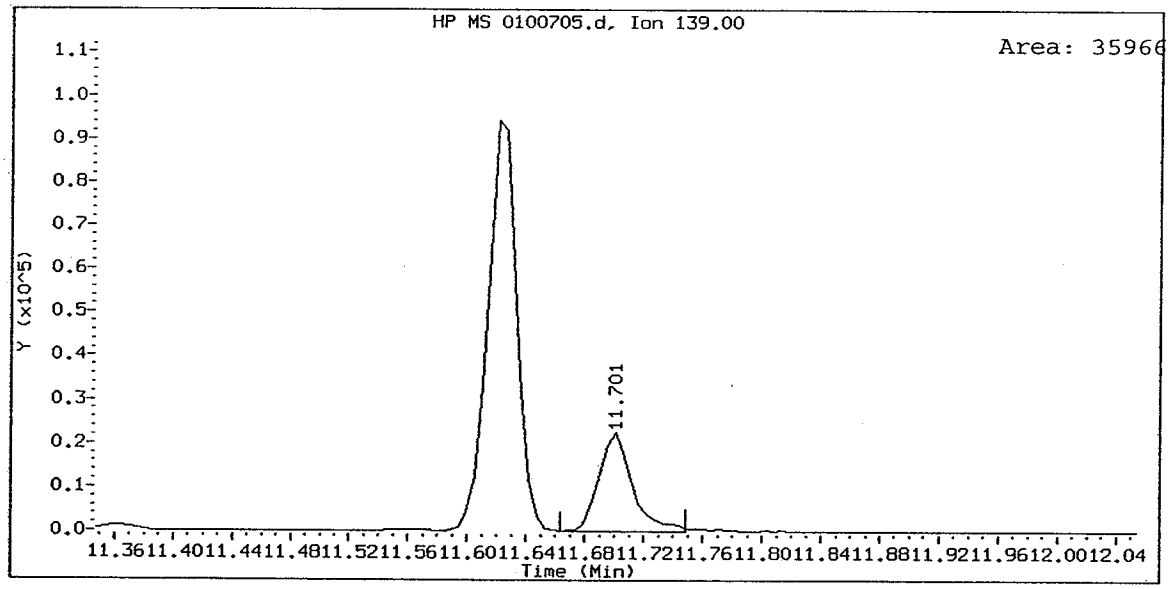
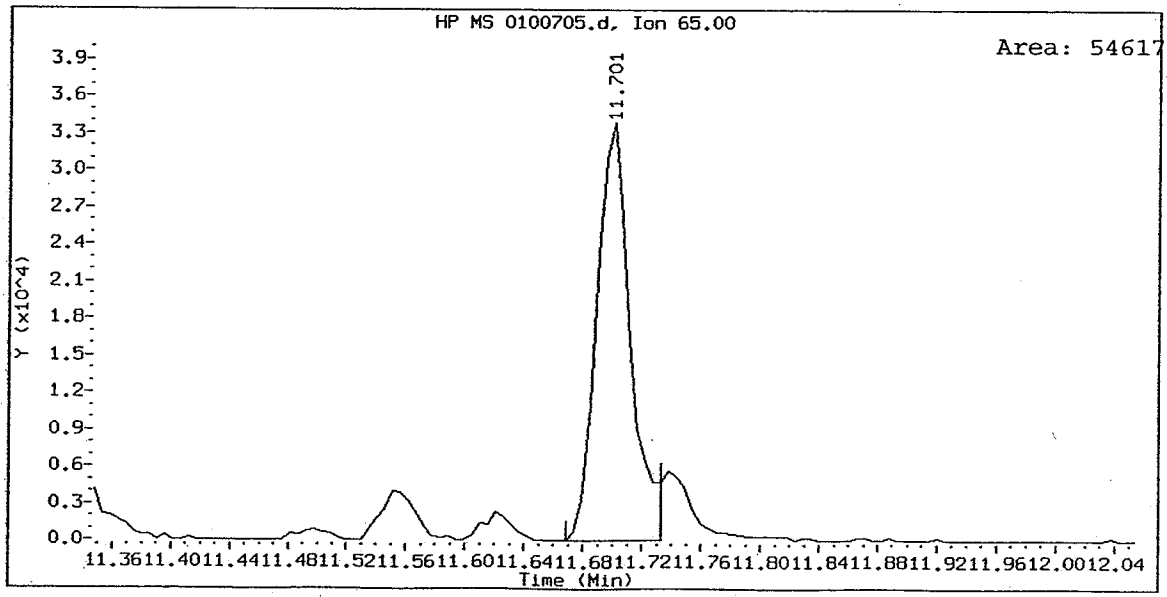
4-Nitrophenol Amount: 10.27







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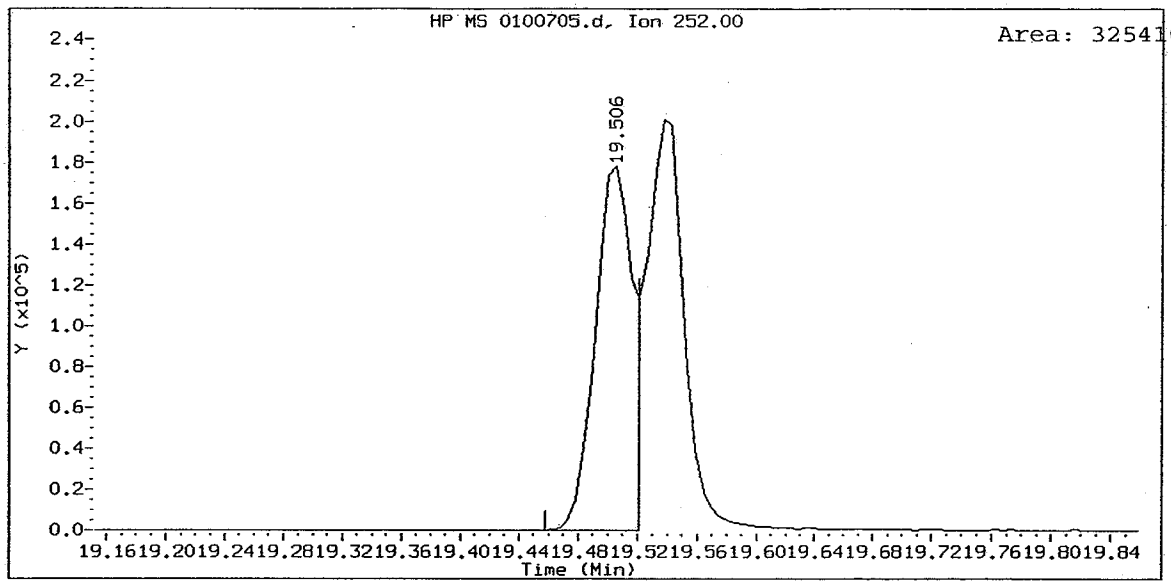
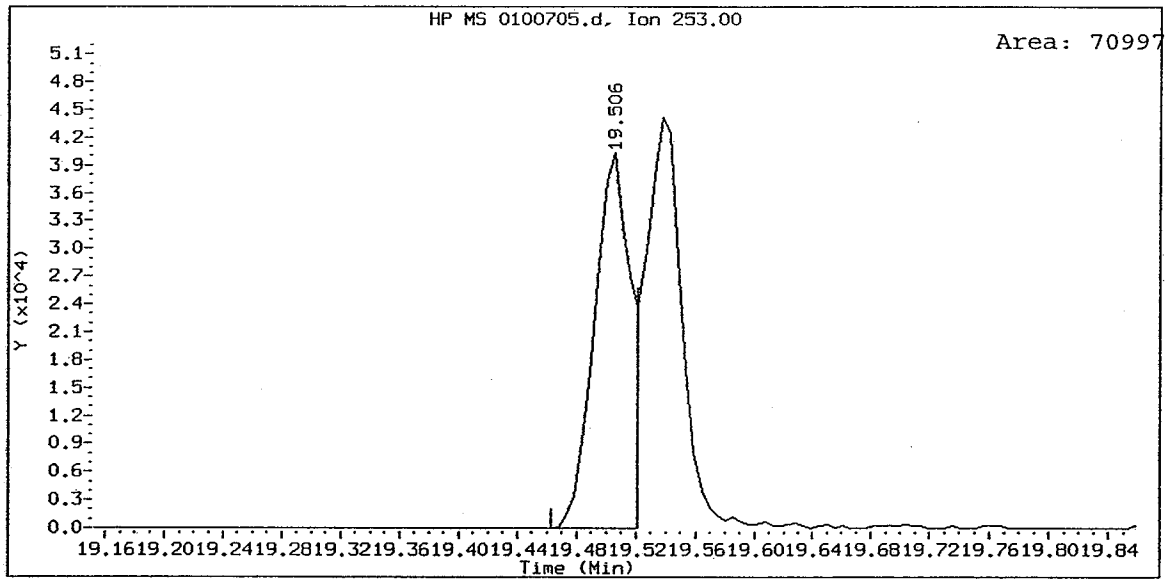
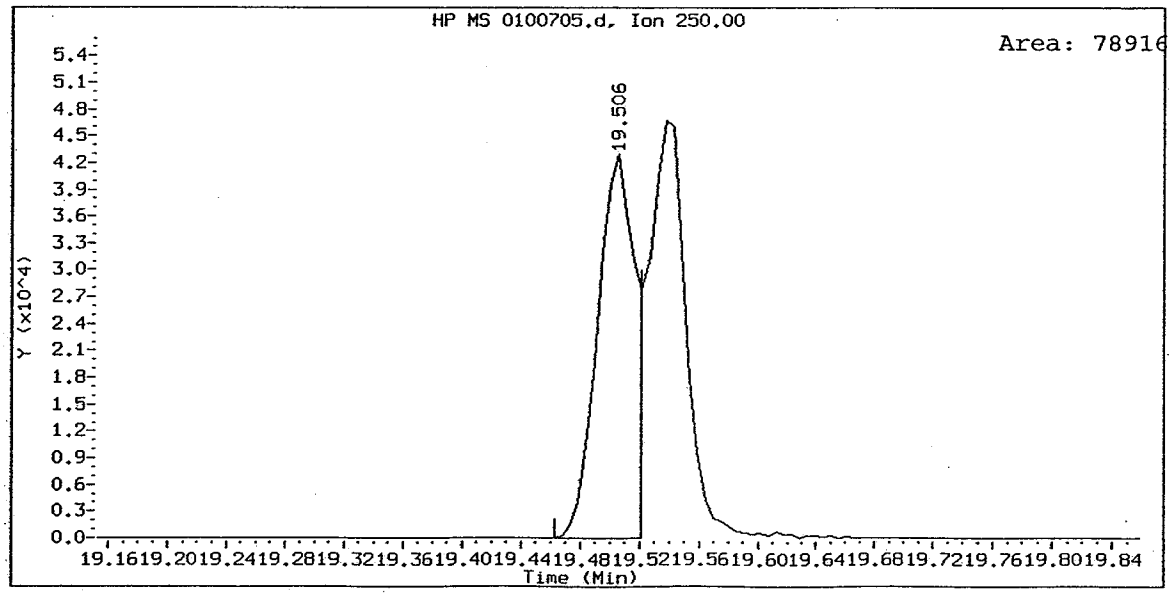
Benzo(b)fluoranthene Amount: 10.03







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

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)	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:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

		RT LIMIT			
COMPOUND	STANDARD	LOWER	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

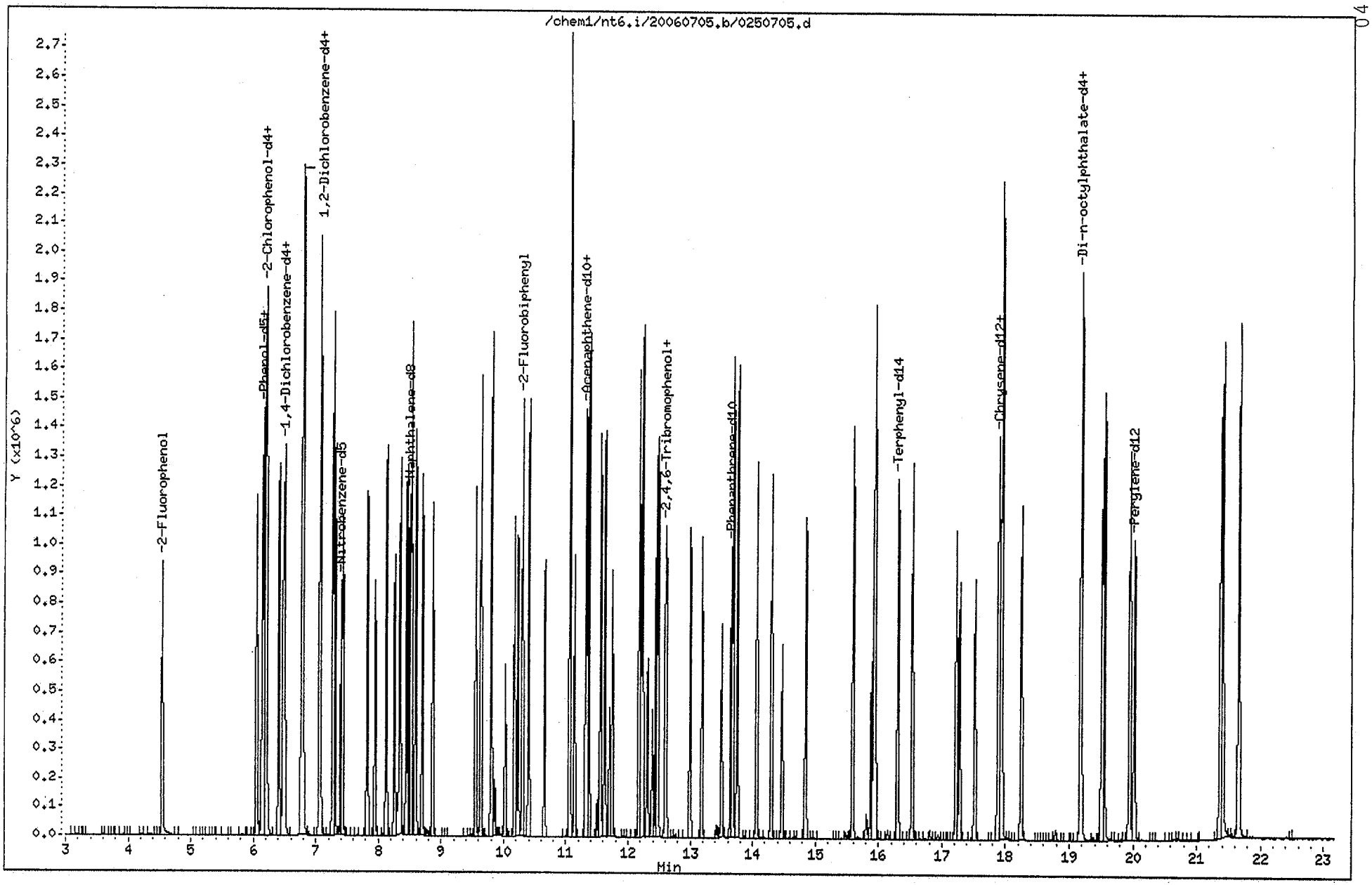
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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



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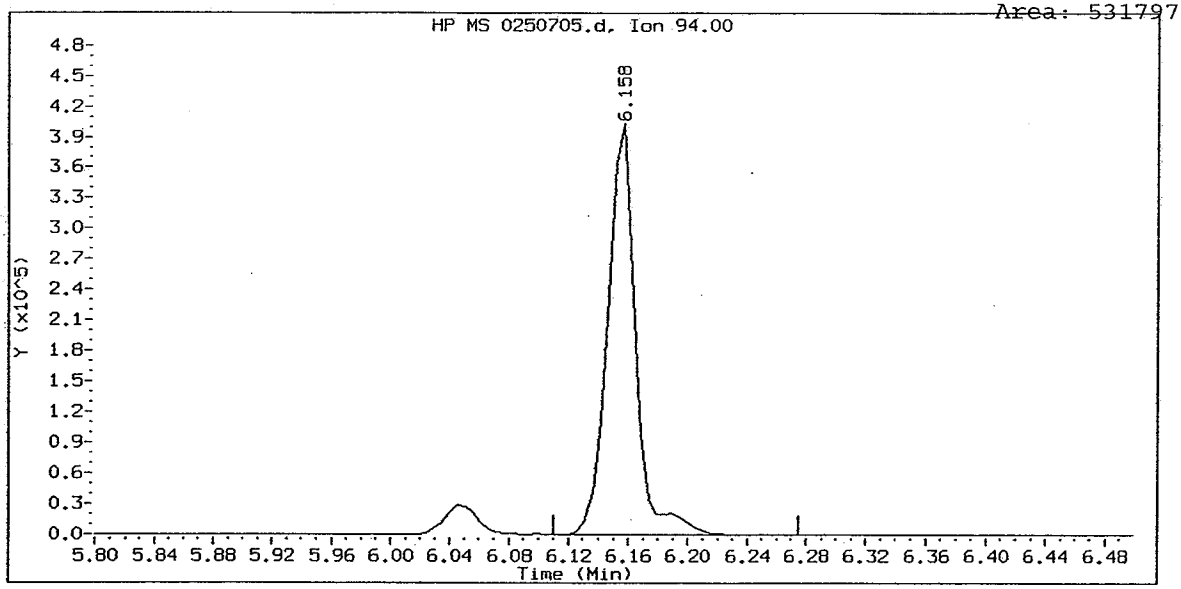
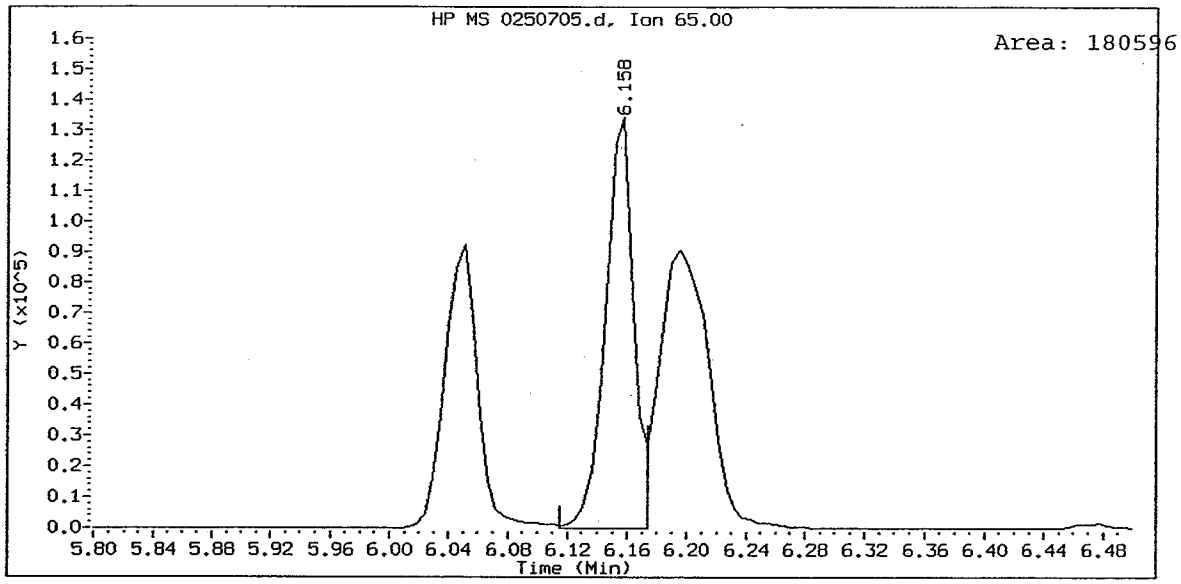
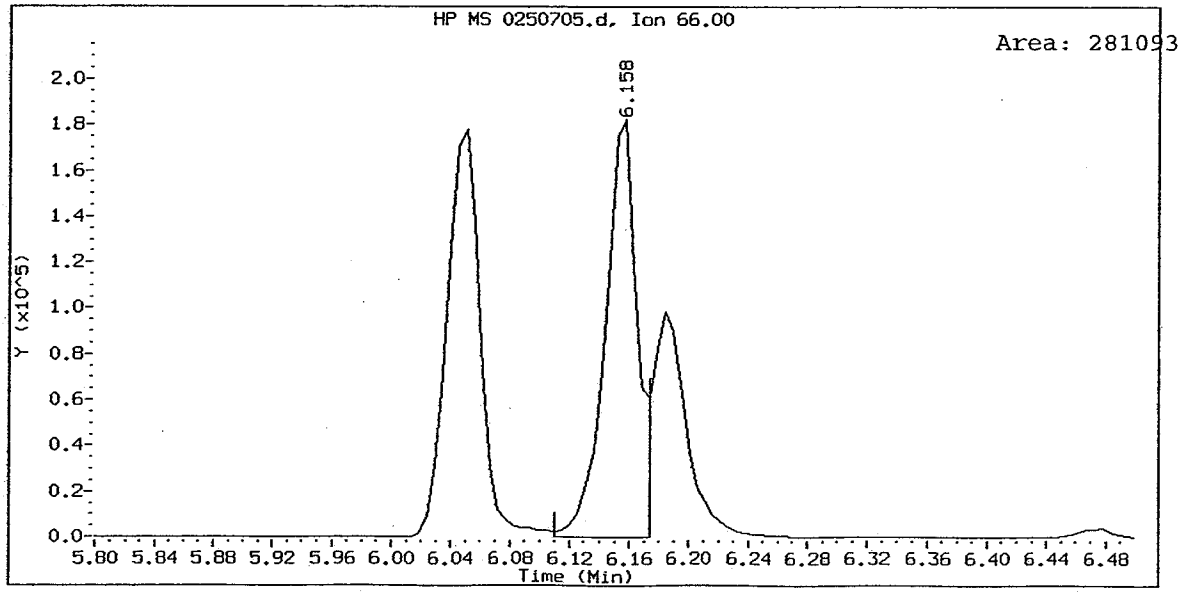
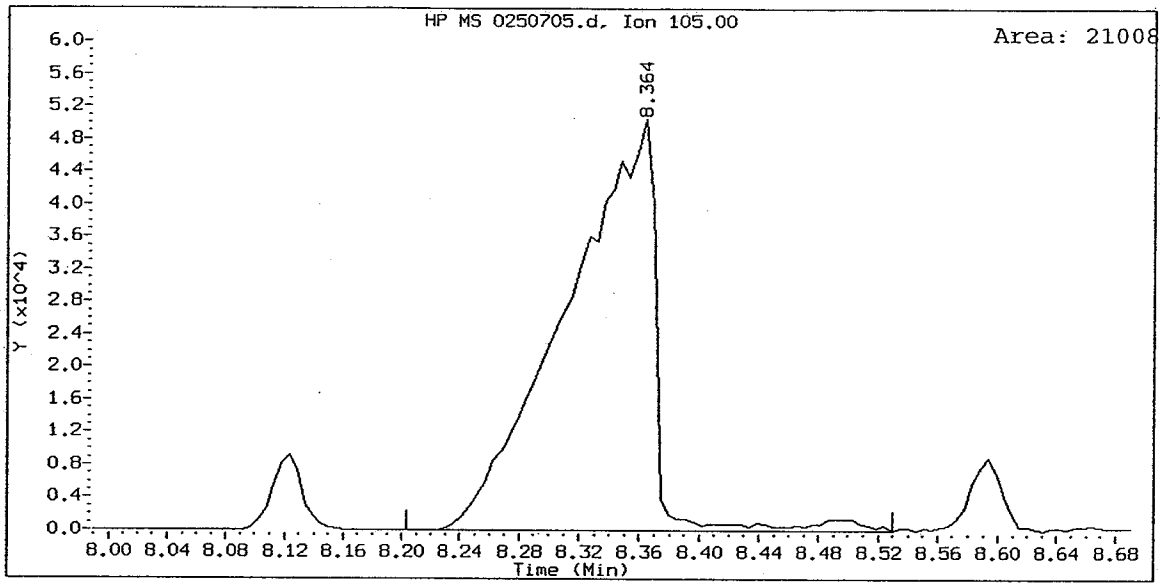
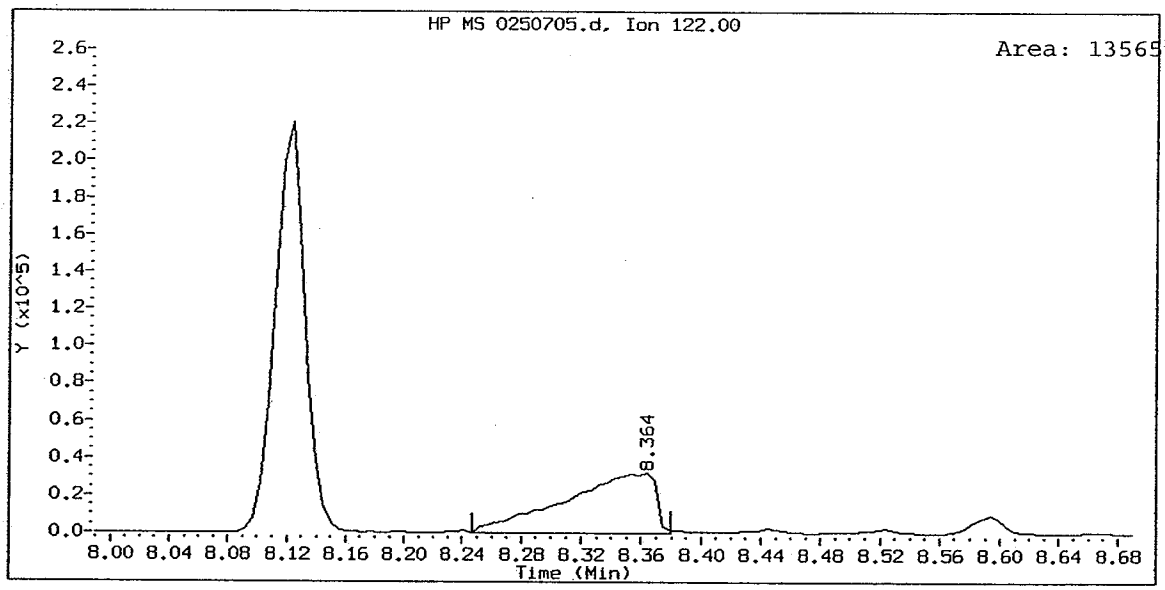


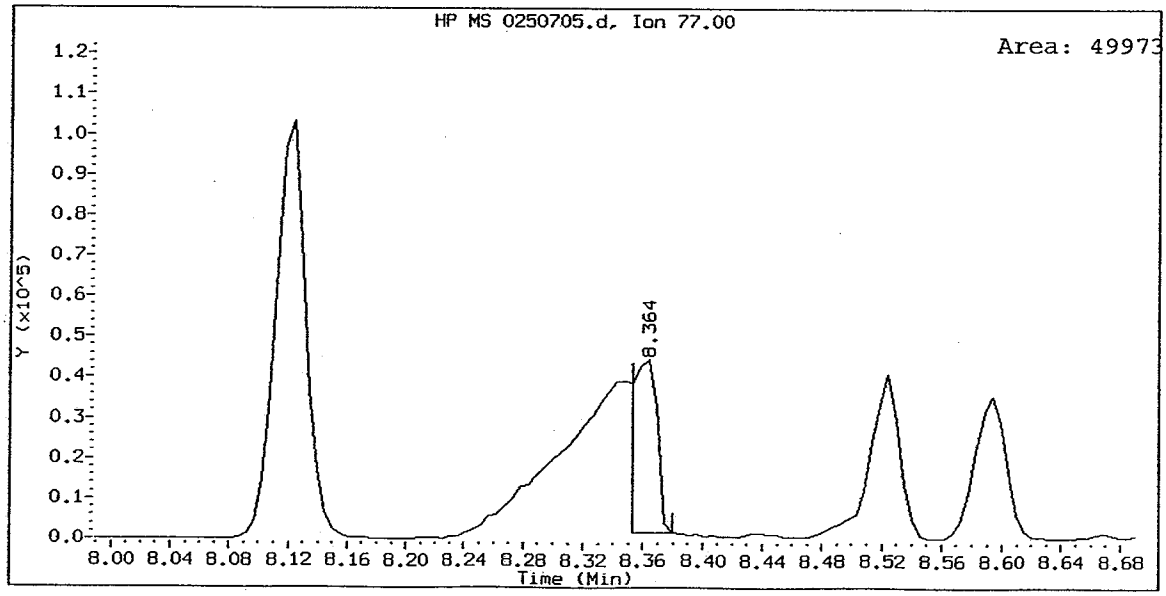




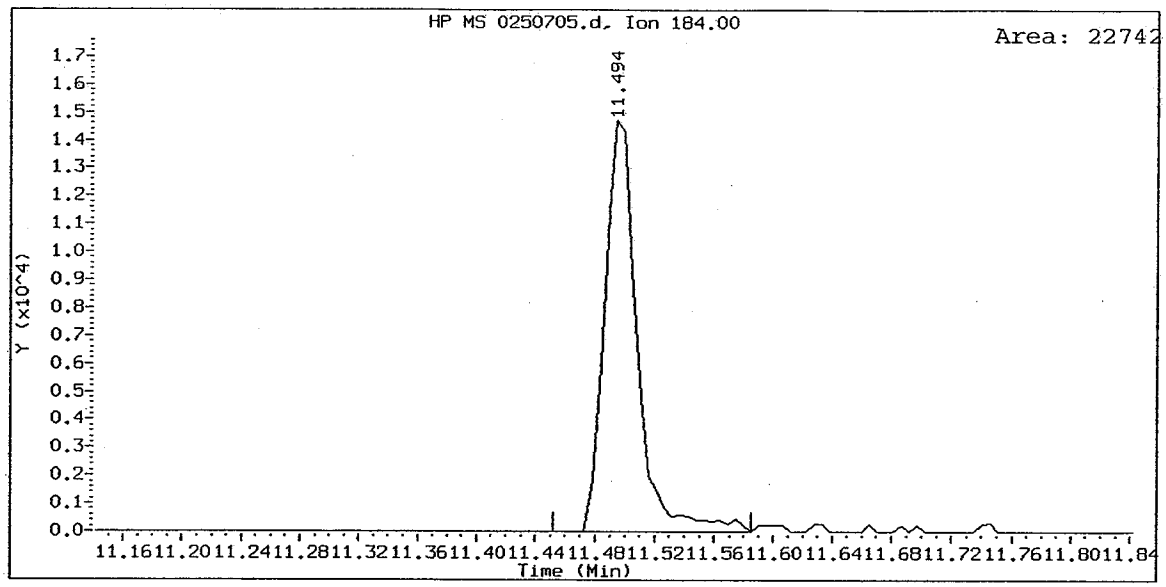
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
Benzoic acid Amount: 25.48

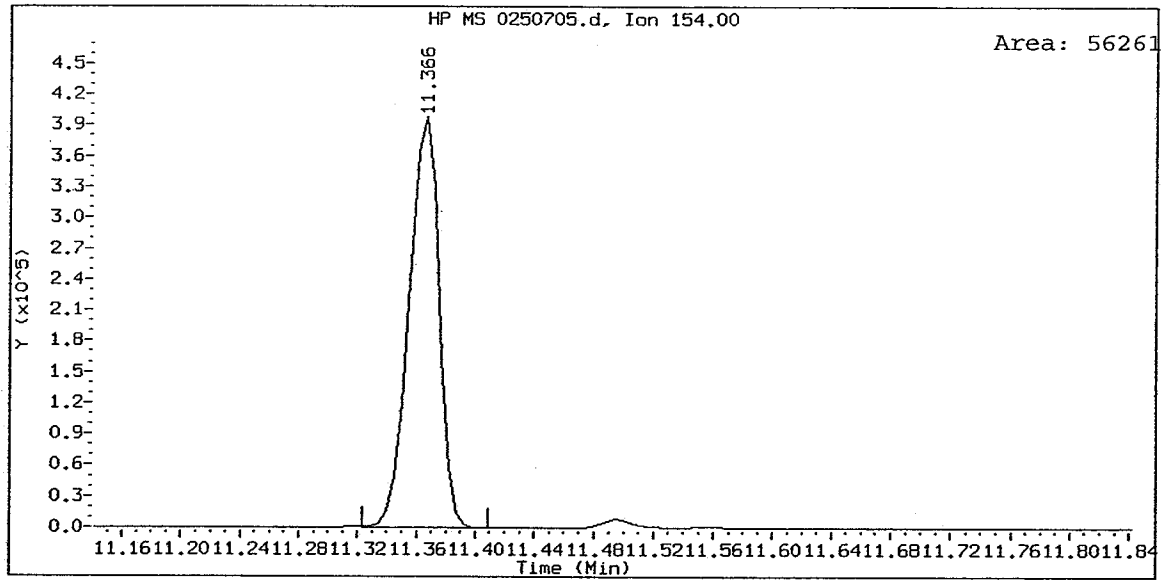


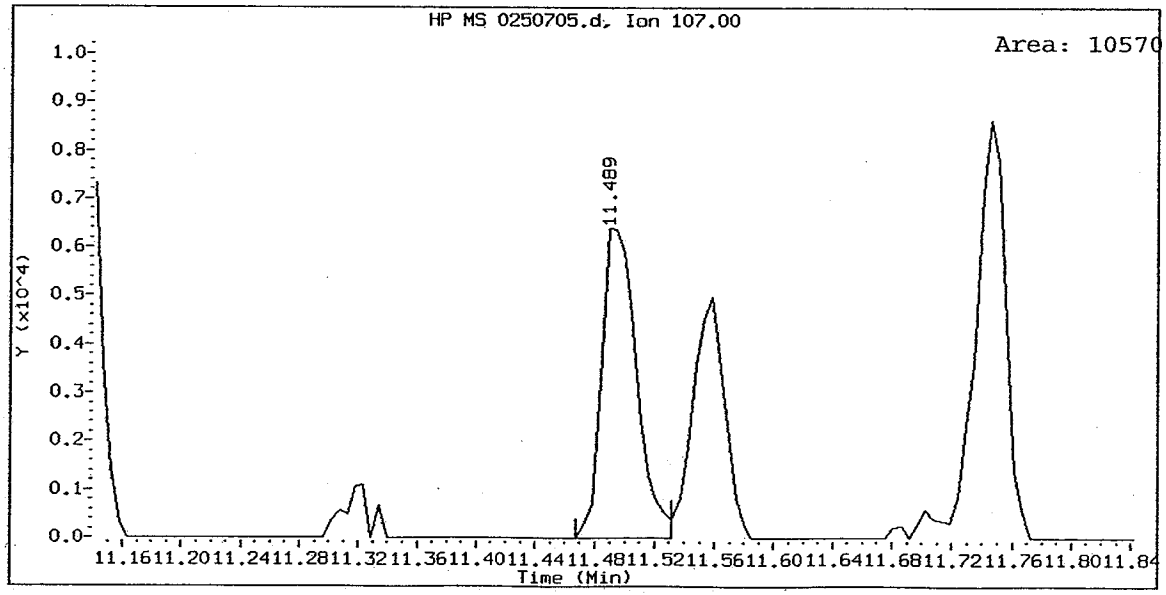




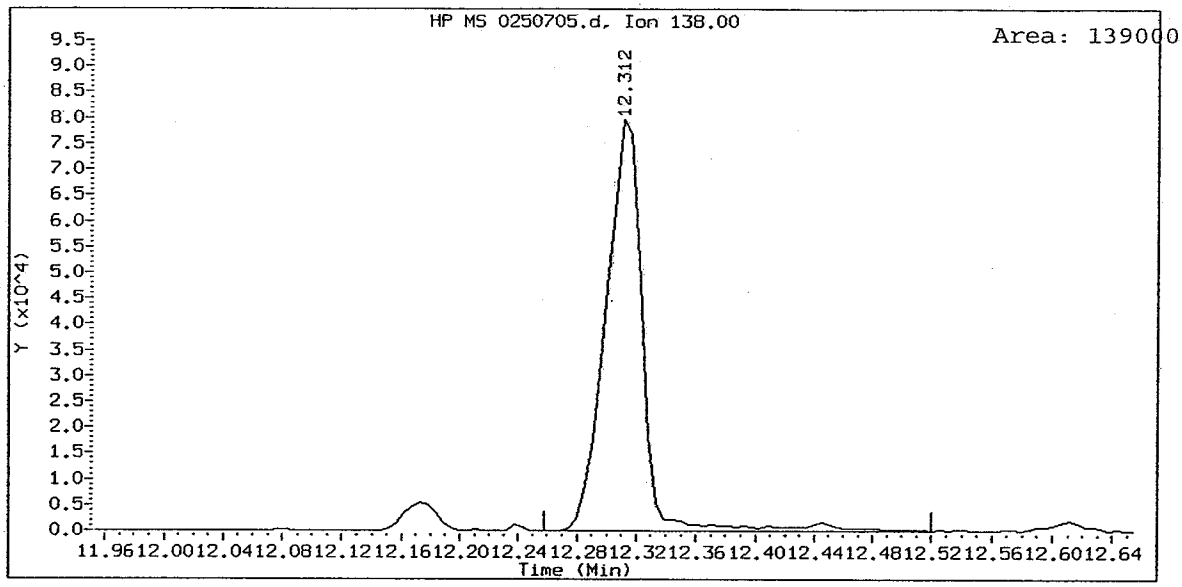
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2,4-Dinitrophenol Amount: 19.44

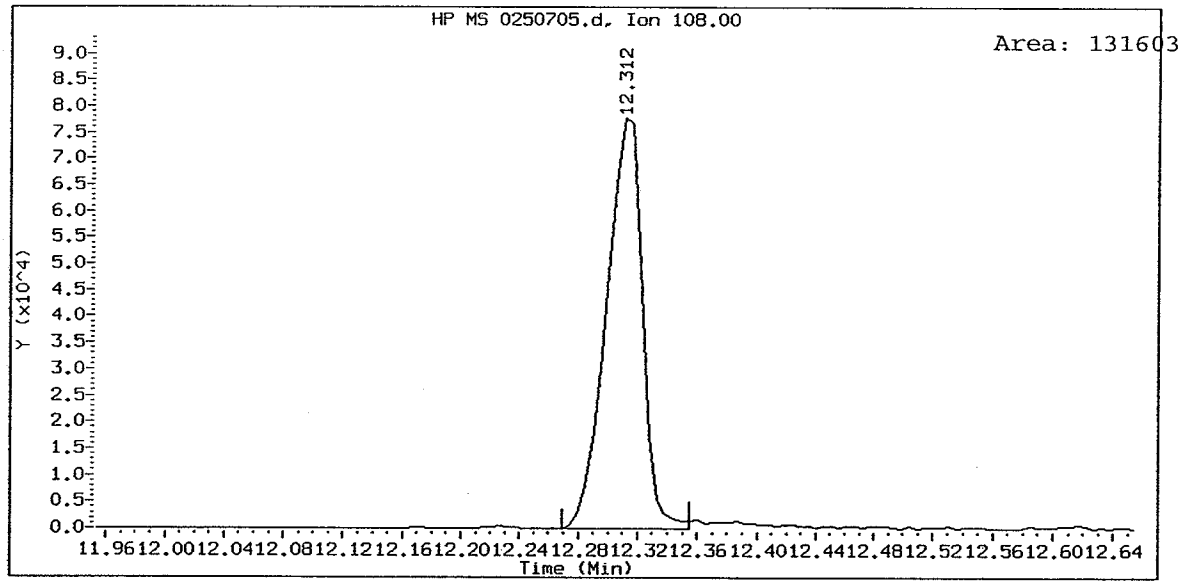


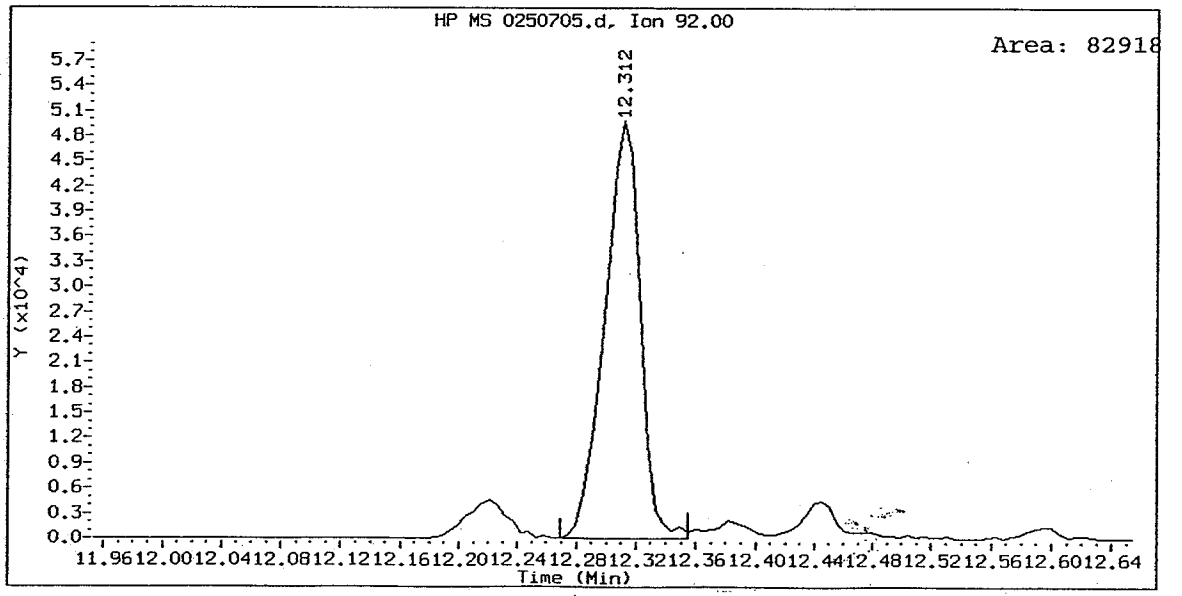




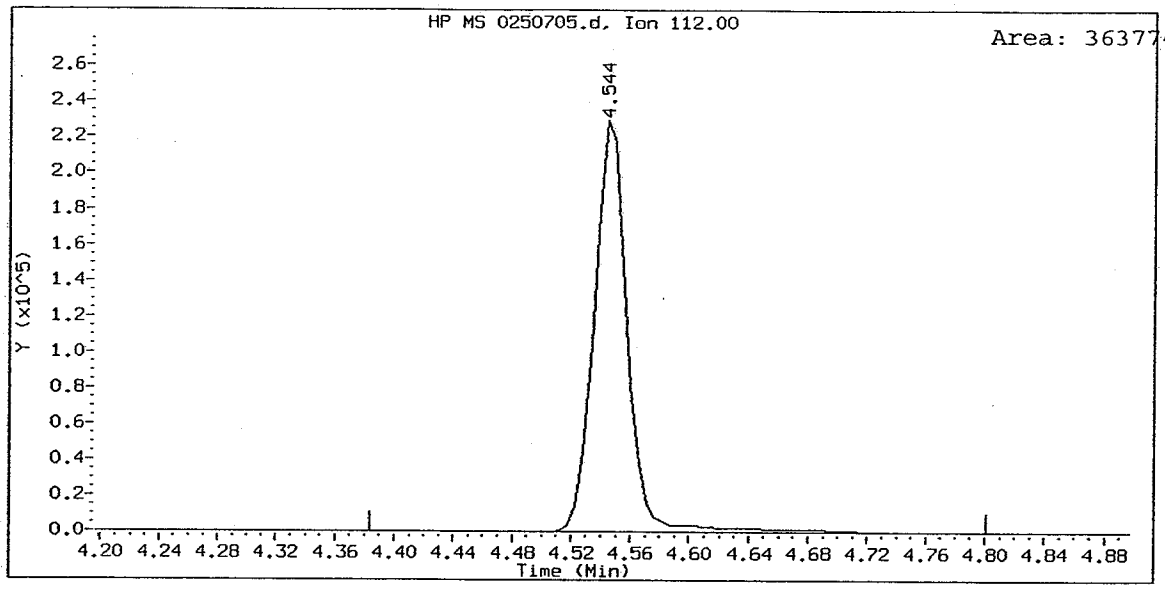
ABN 25, /chem1/nt6.i/20060705.b/0250705.d
4-Nitroaniline Amount: 24.59

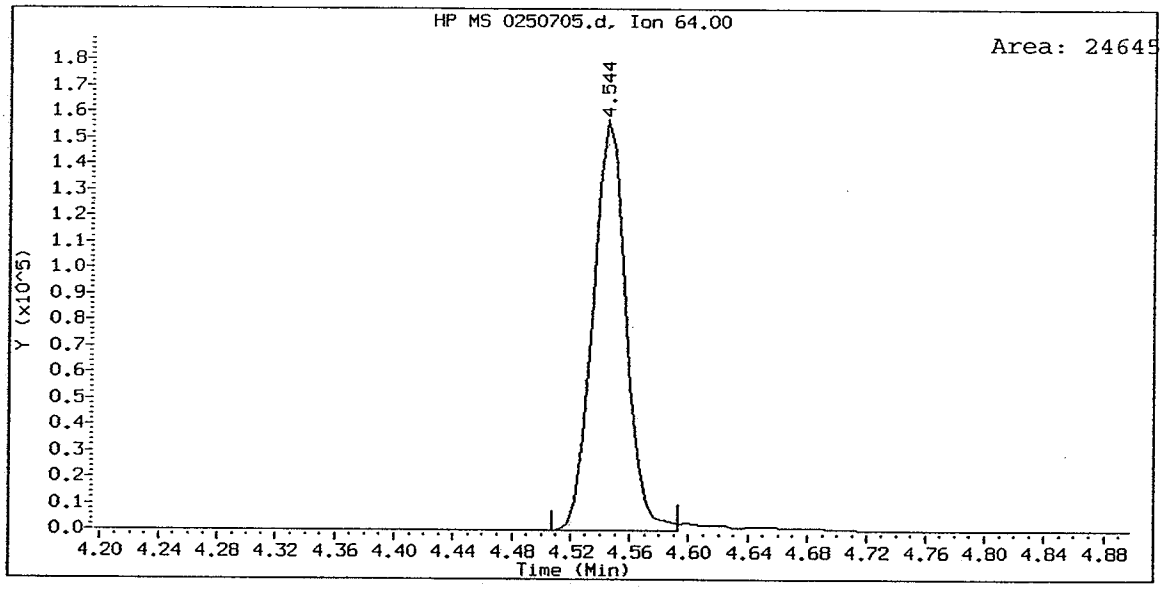






ABN 25, /chem1/nt6.i/20060705.b/0250705.d
2-Fluorophenol Amount: 24.56





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

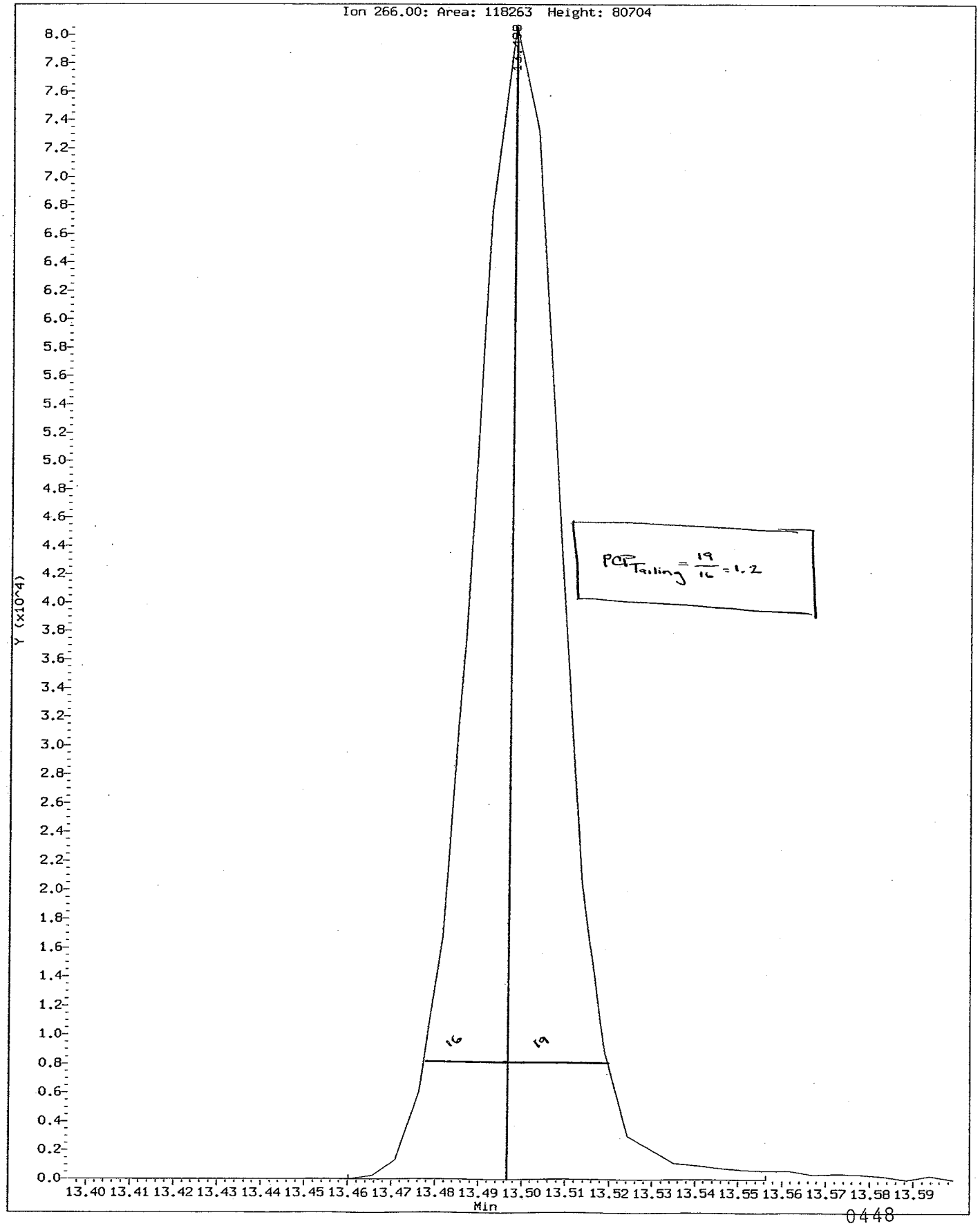
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 10841) * 100}{(0 + 10841 + 269133)}$$

DDT Percent Breakdown = 3.9 %

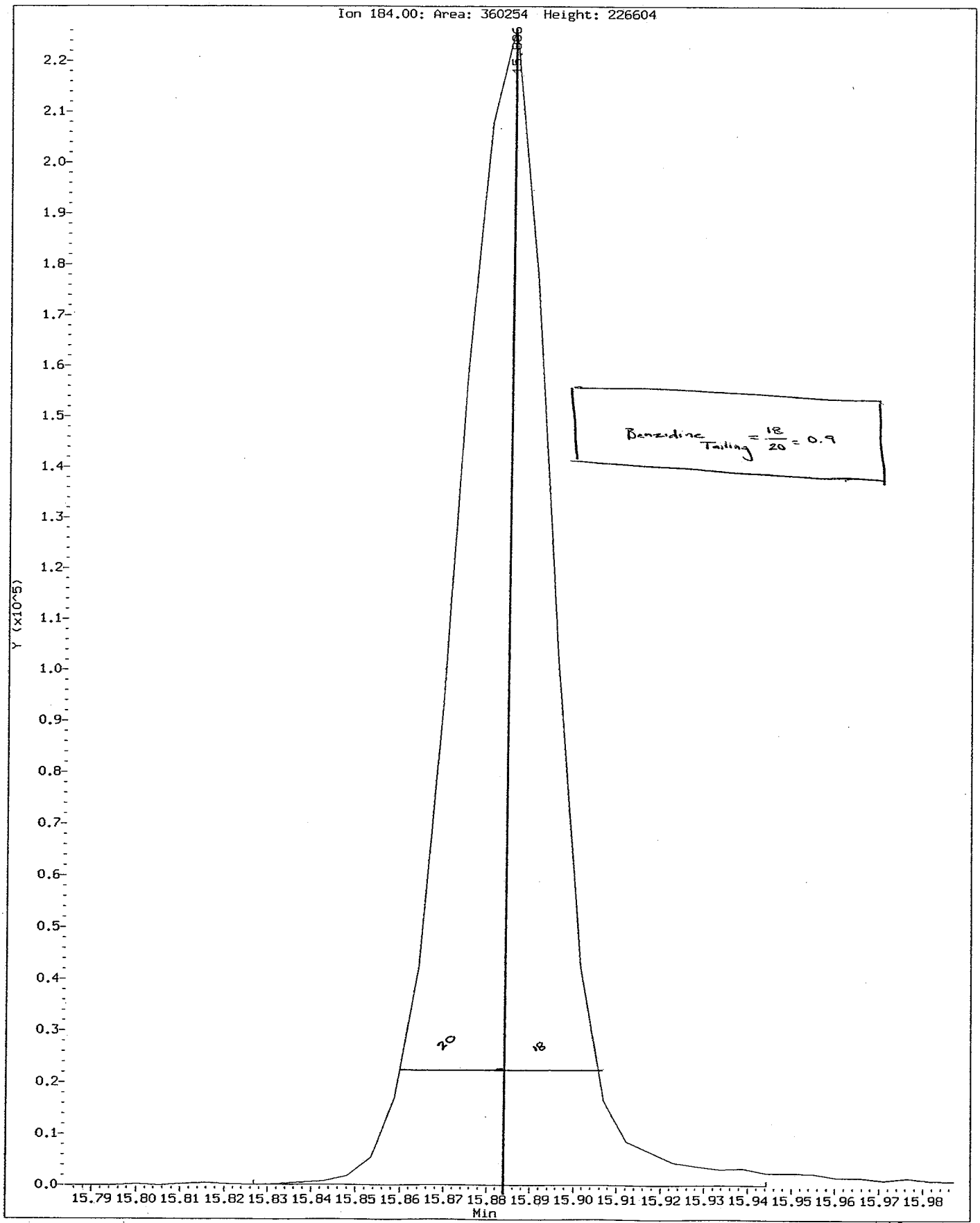
Data File: /chem1/nt6.i/20060705.b/ddt.b/0250705.d
Injection Date: 05-JUL-2006 10:16
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



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

	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

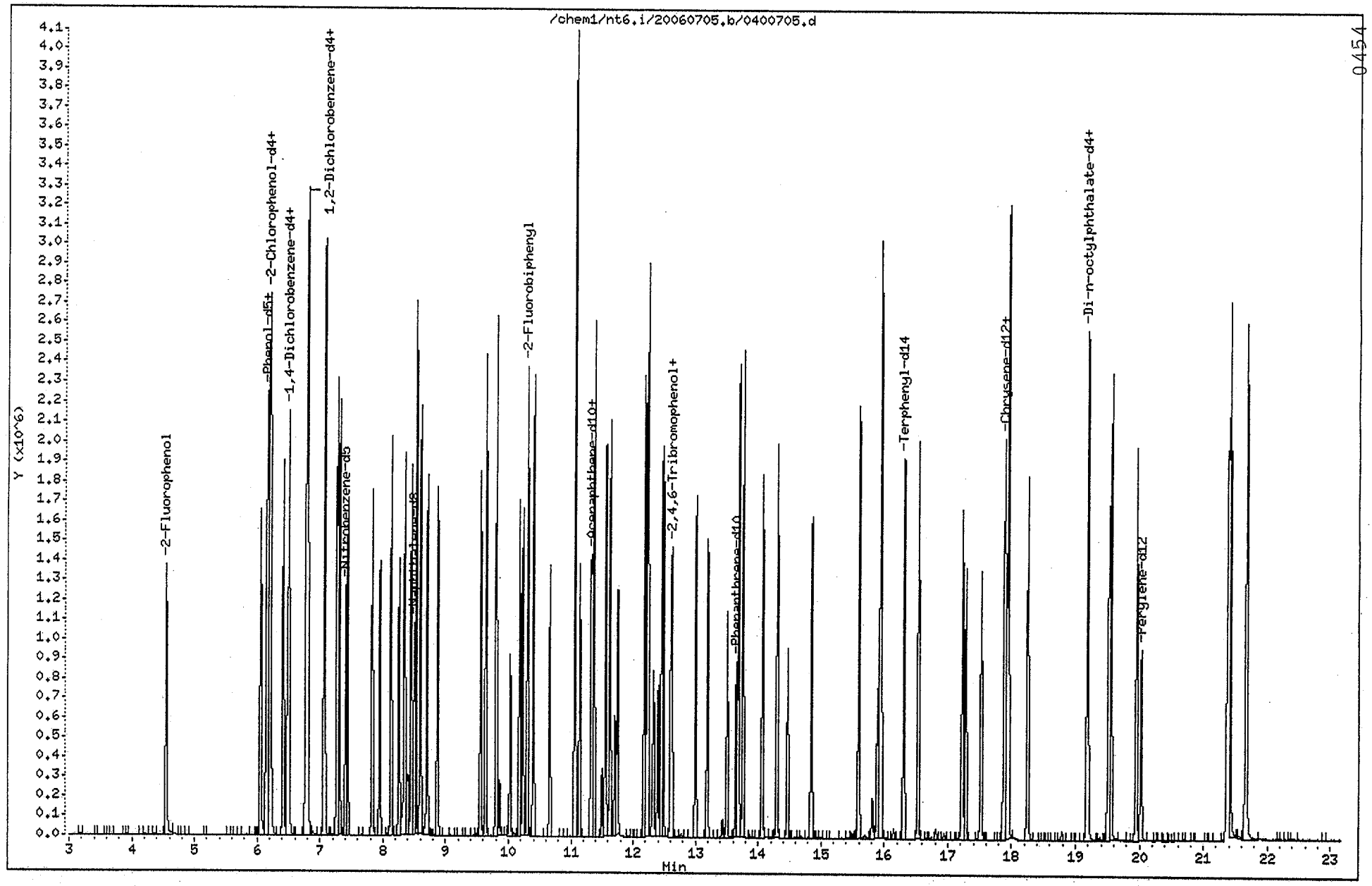
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0400705.d
Date : 05-JUL-2006 11:47
Client ID:
Sample Info: ABN 40

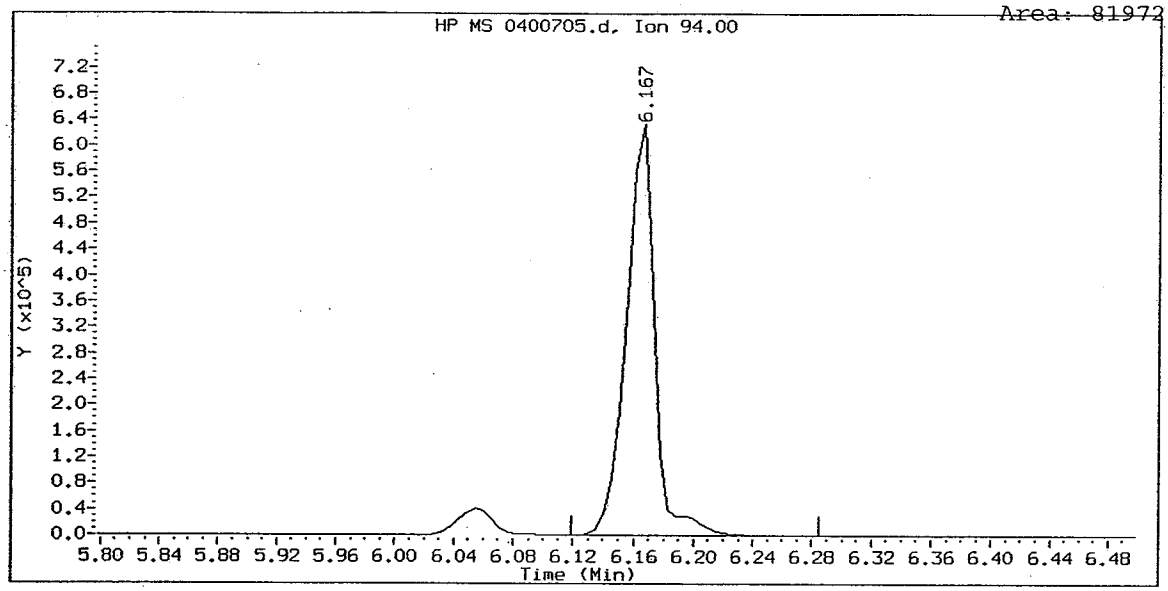
Instrument: nt6.i

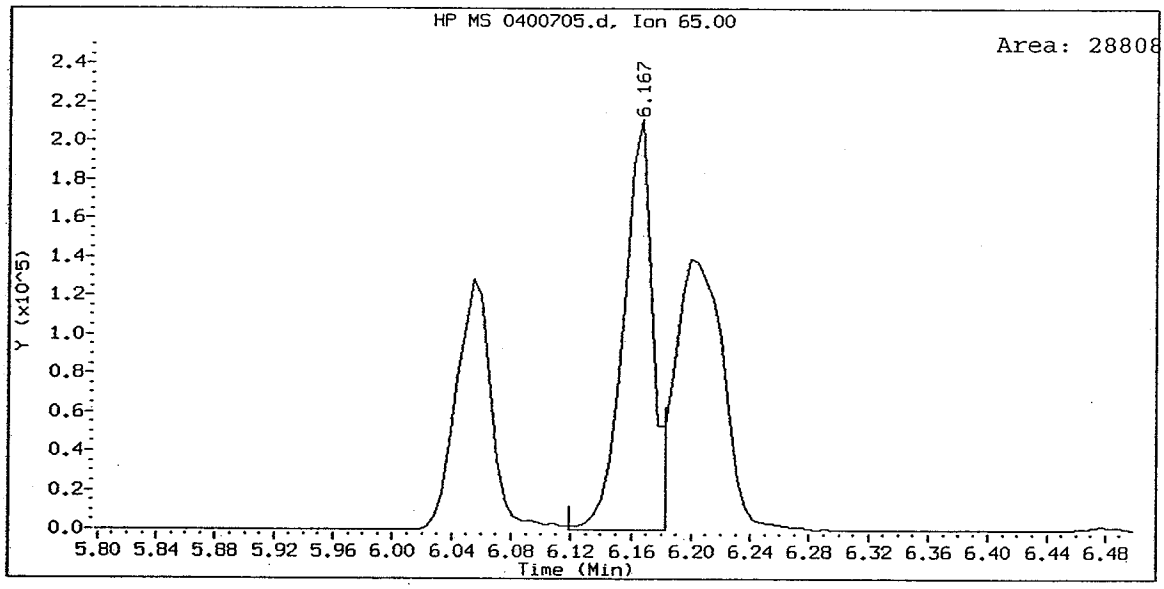
Operator: LJR
Column diameter: 0.32

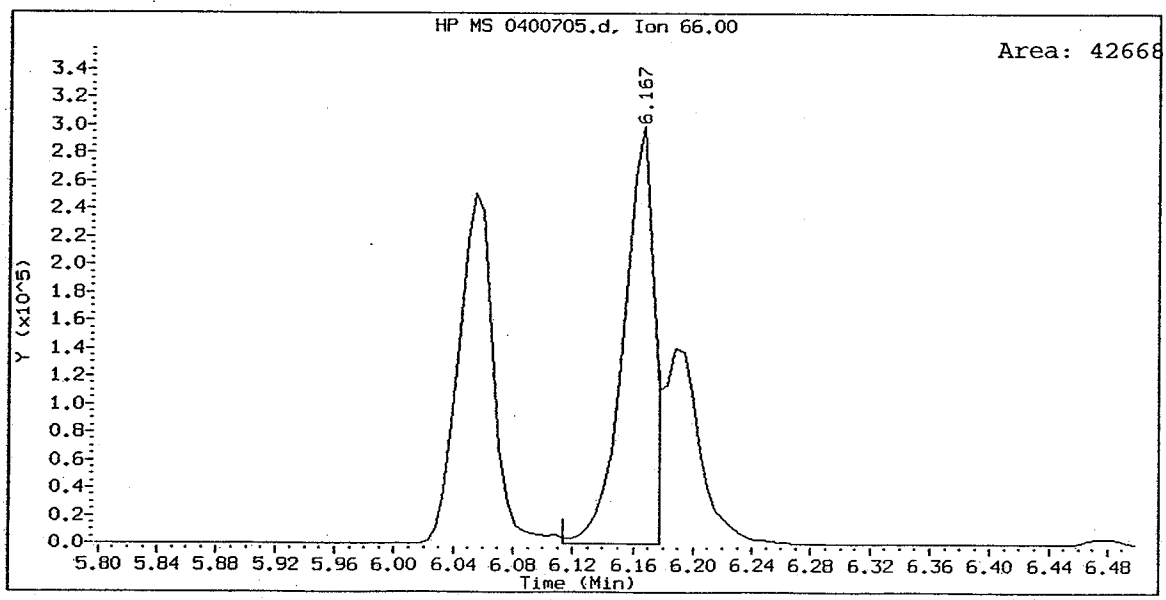
Column phase: ZB-5



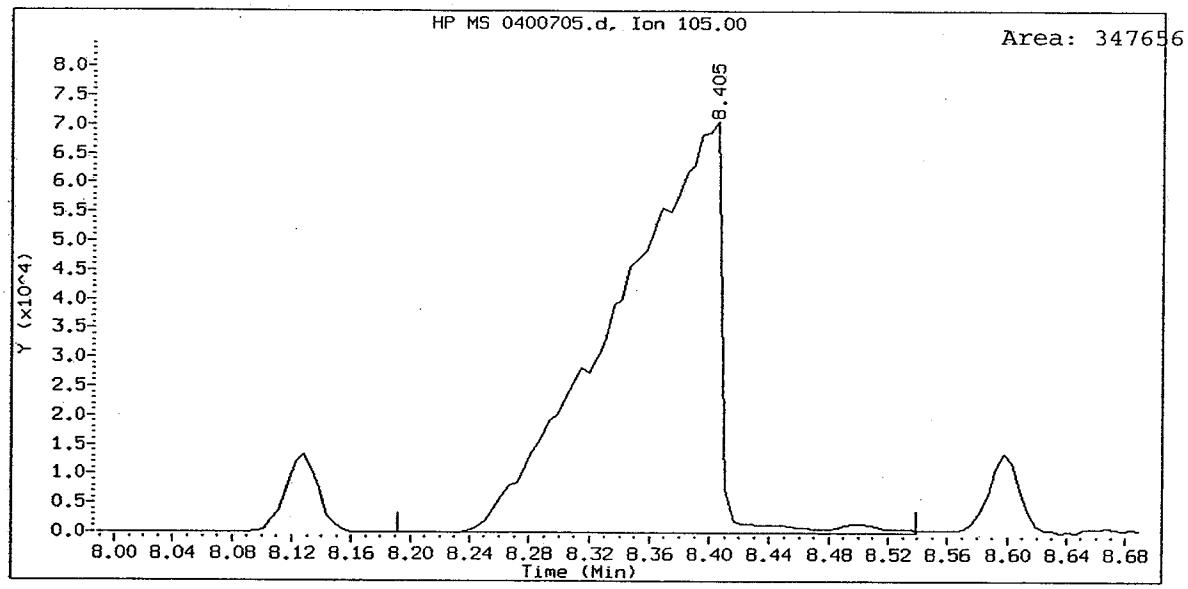
ABN 40, /chem1/nt6.i/20060705.b/0400705.d
Phenol Amount: 39.02

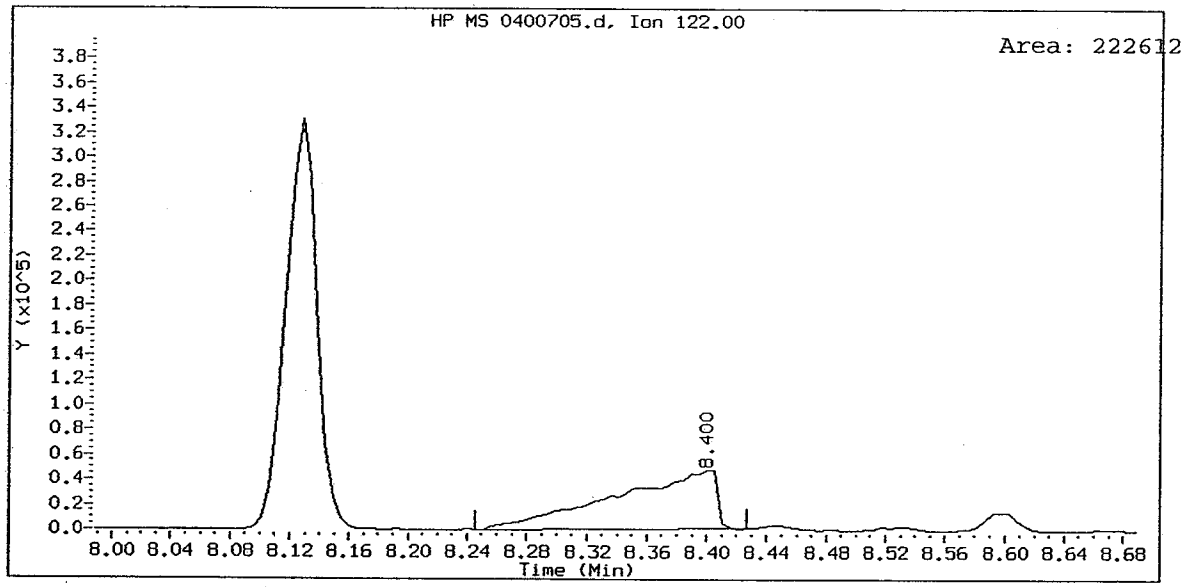


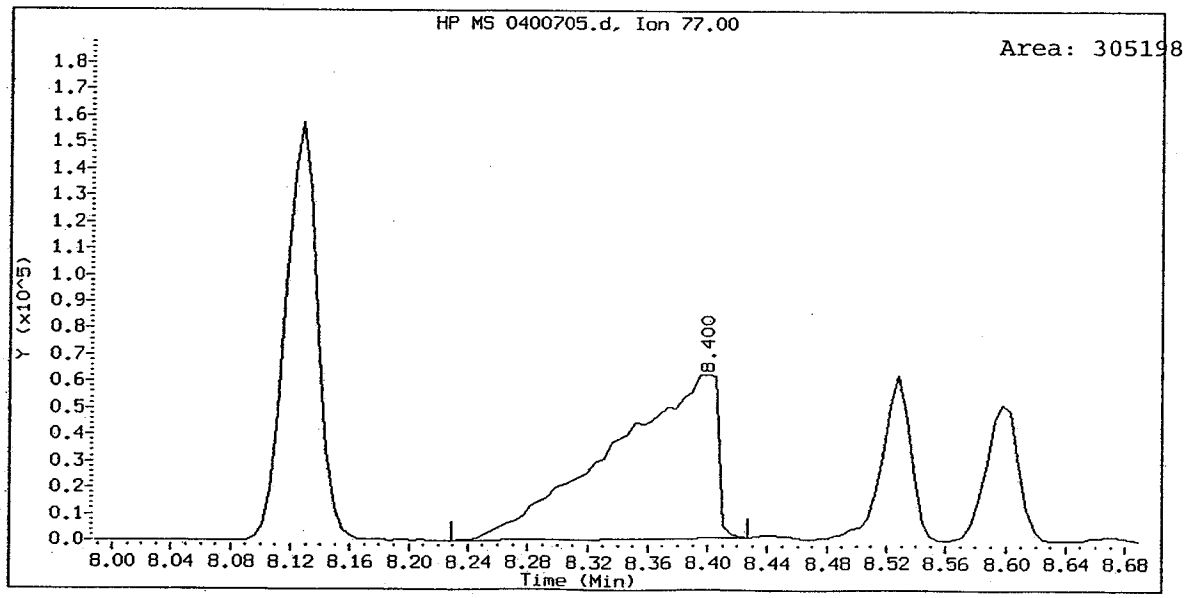




ABN 40, /chem1/nt6.i/20060705.b/0400705.d
Benzoic acid Amount: 44.88







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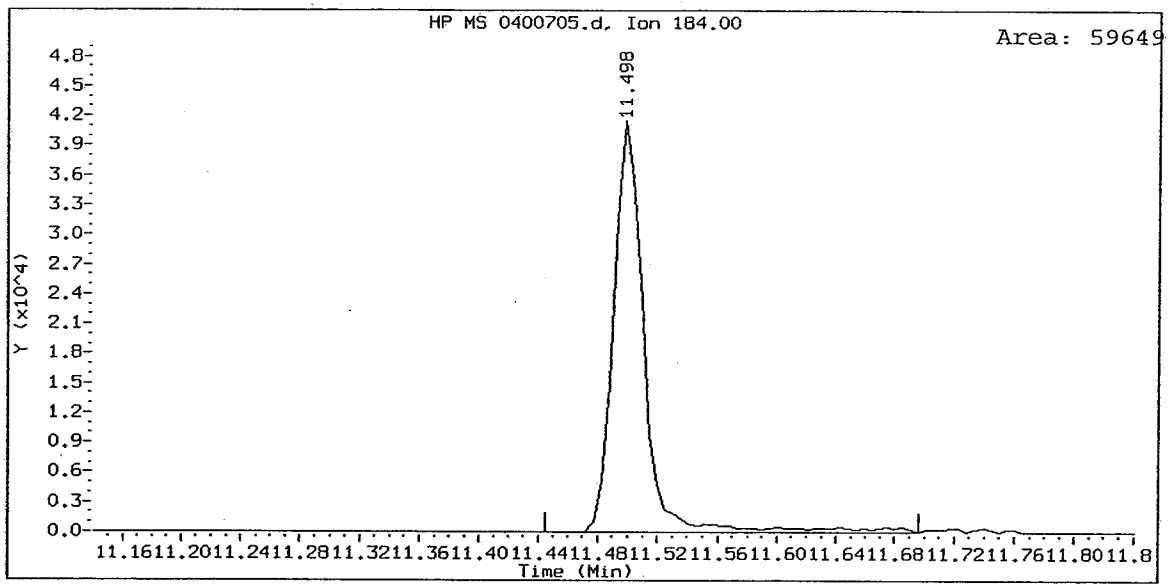
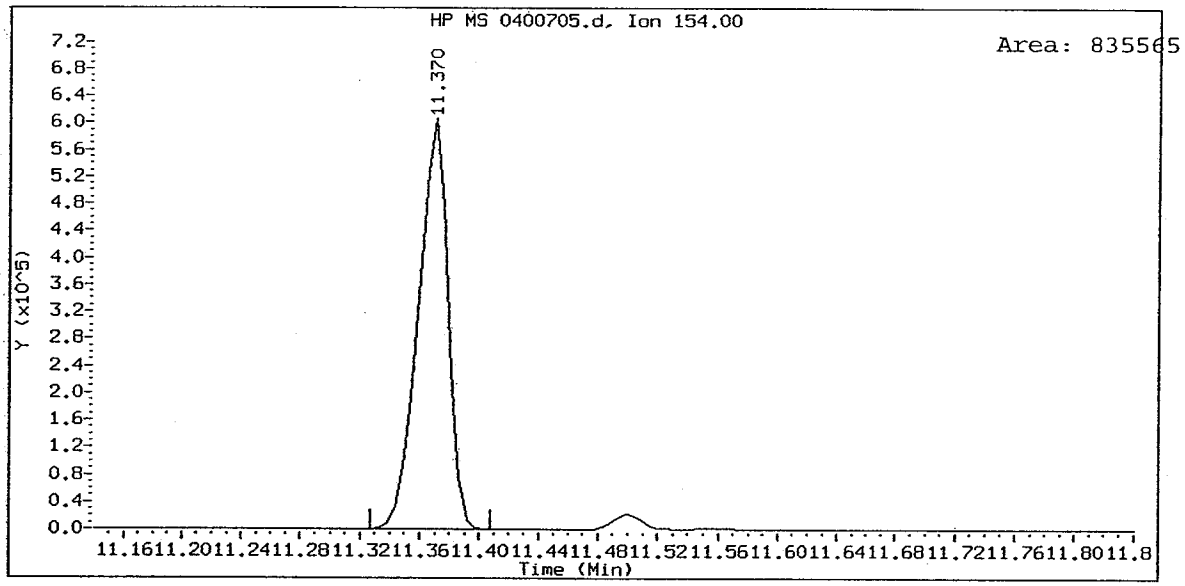
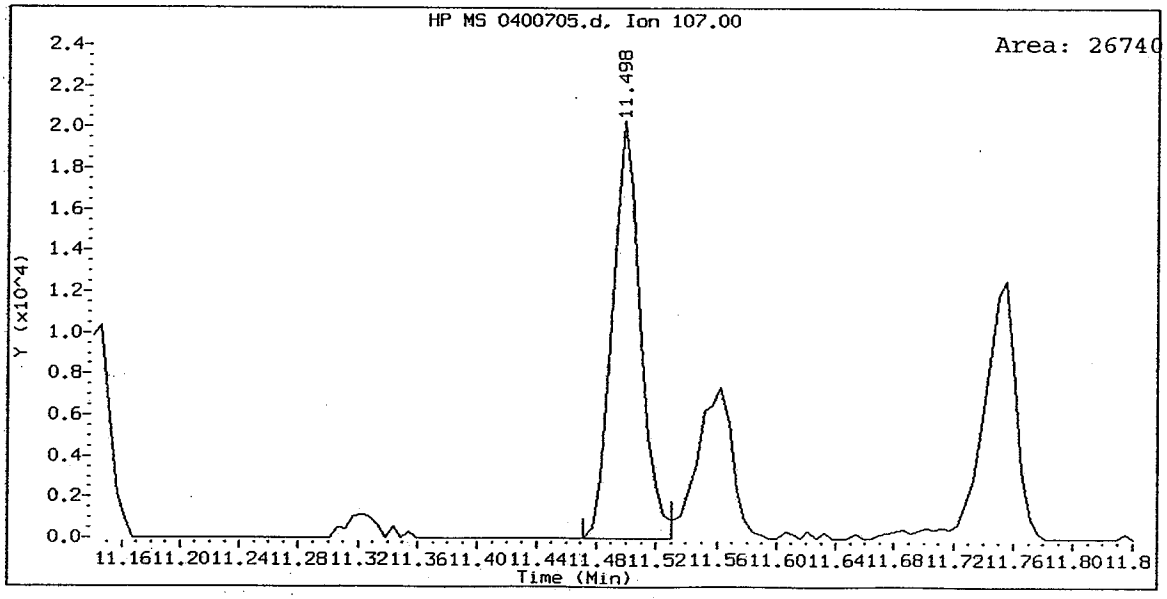
2,4-Dinitrophenol Amount: 54.78







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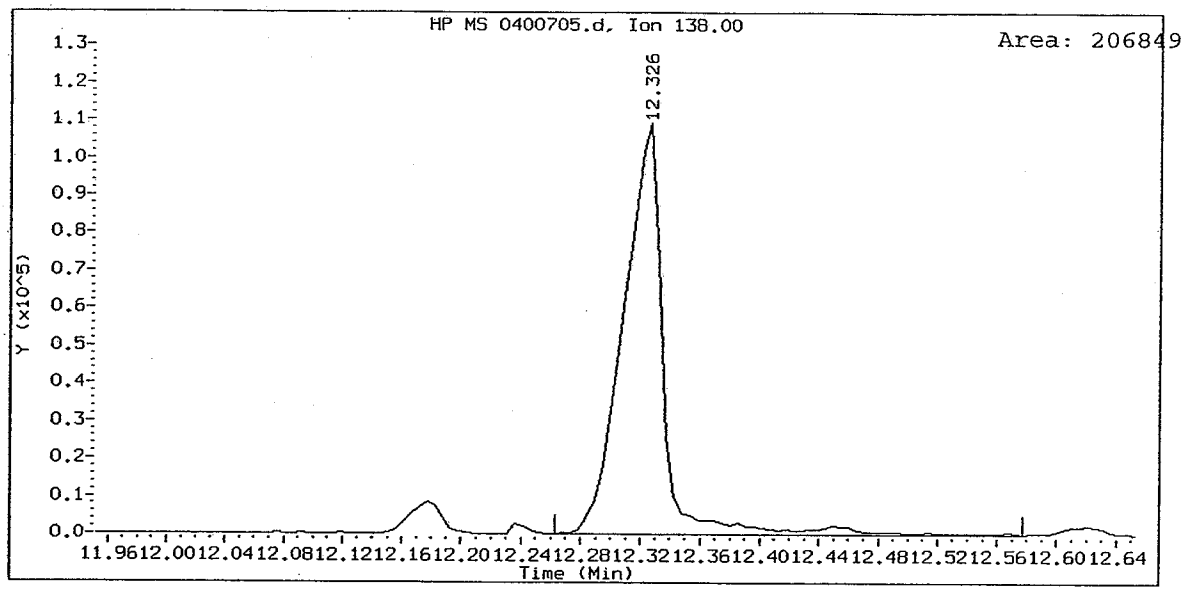
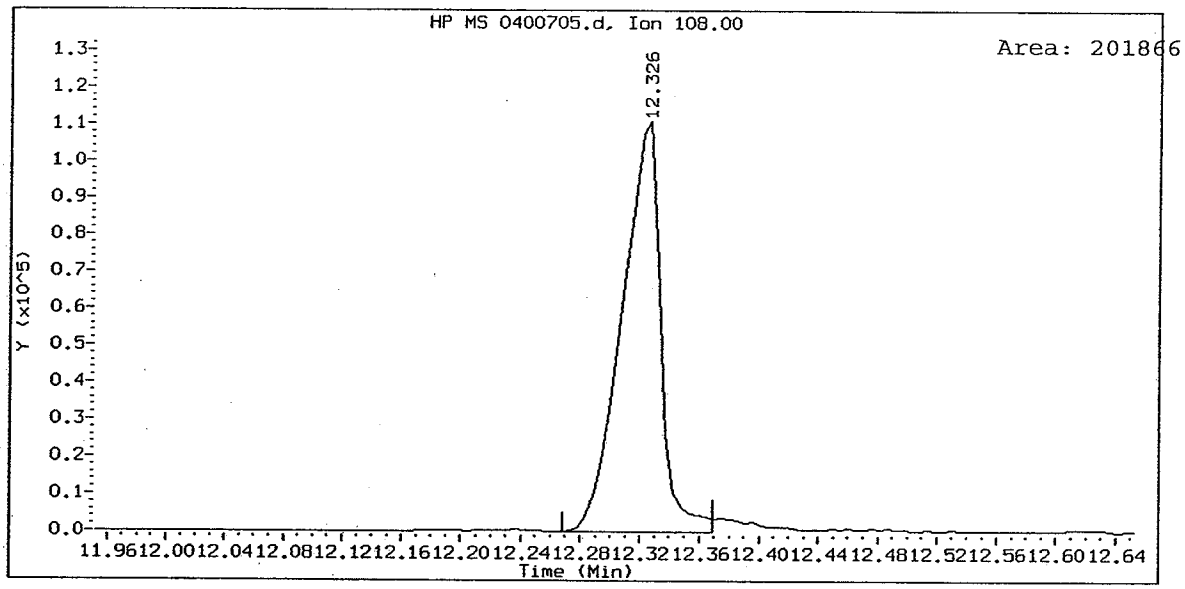
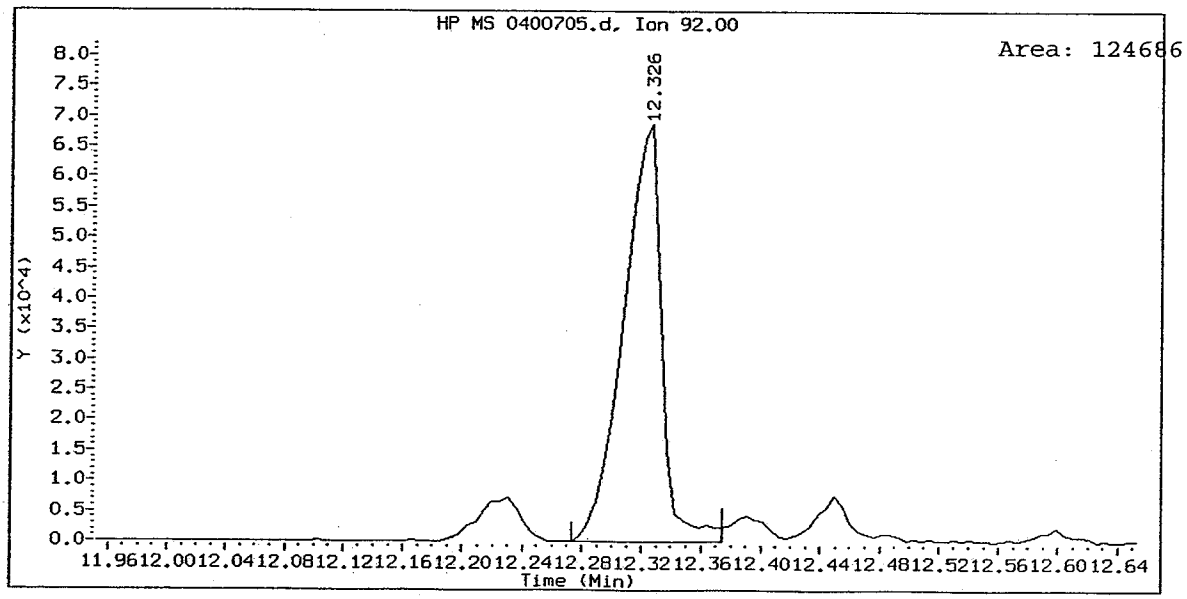
4-Nitroaniline Amount: 39.30







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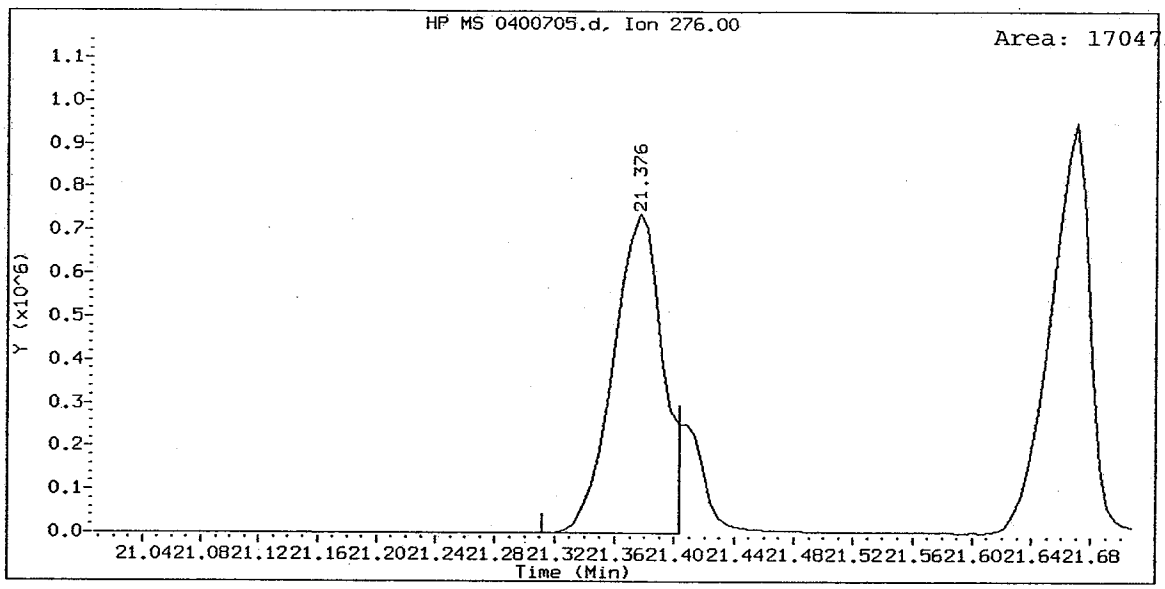
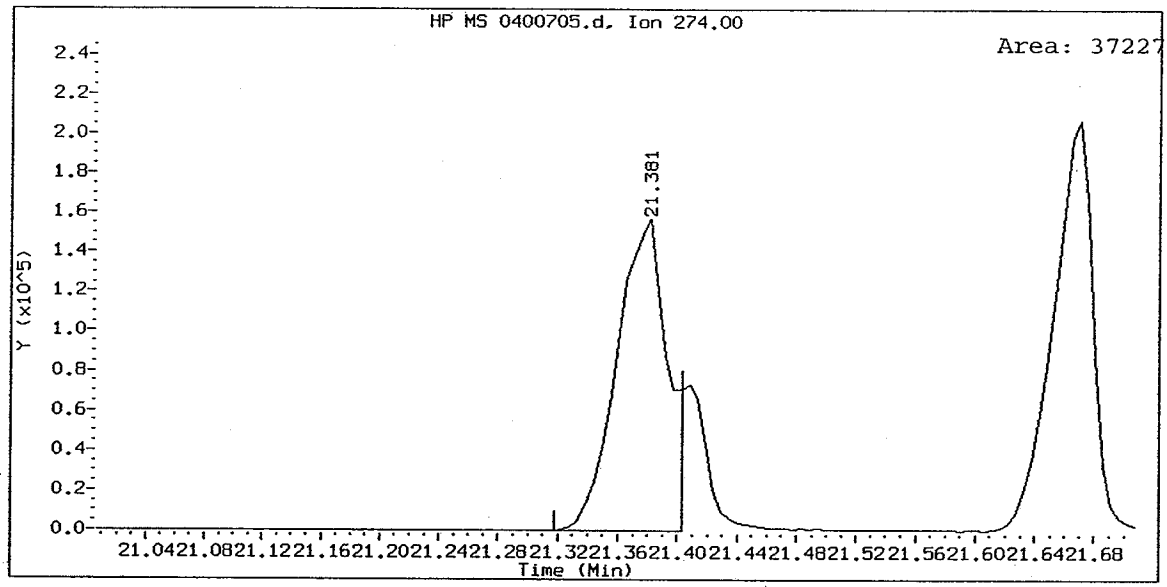
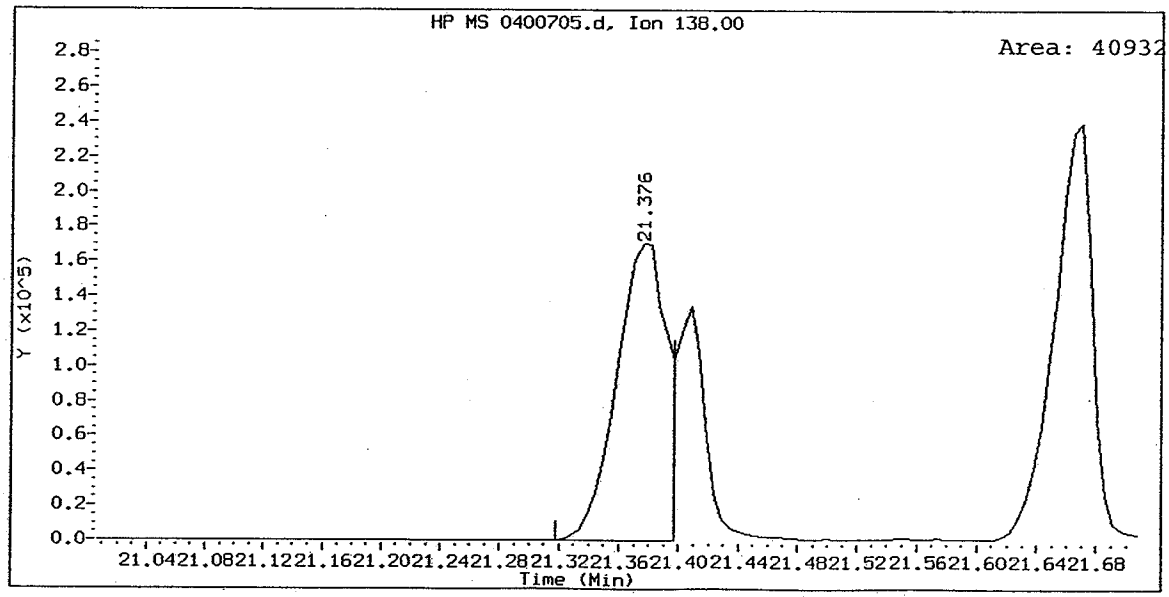
Indeno(1,2,3-cd)pyrene Amount: 42.64







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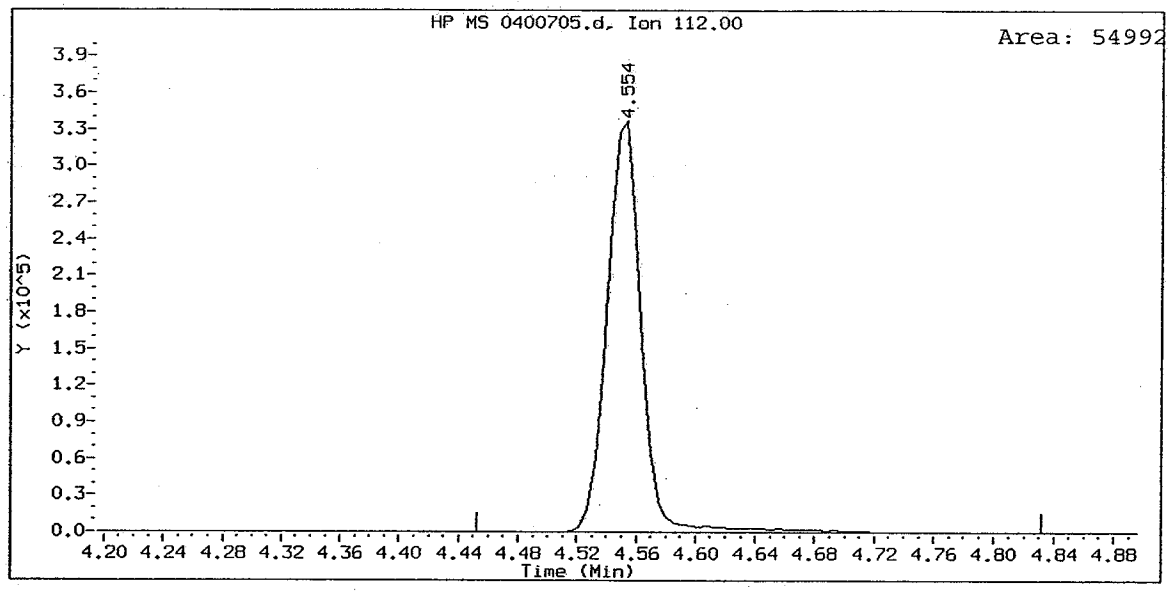
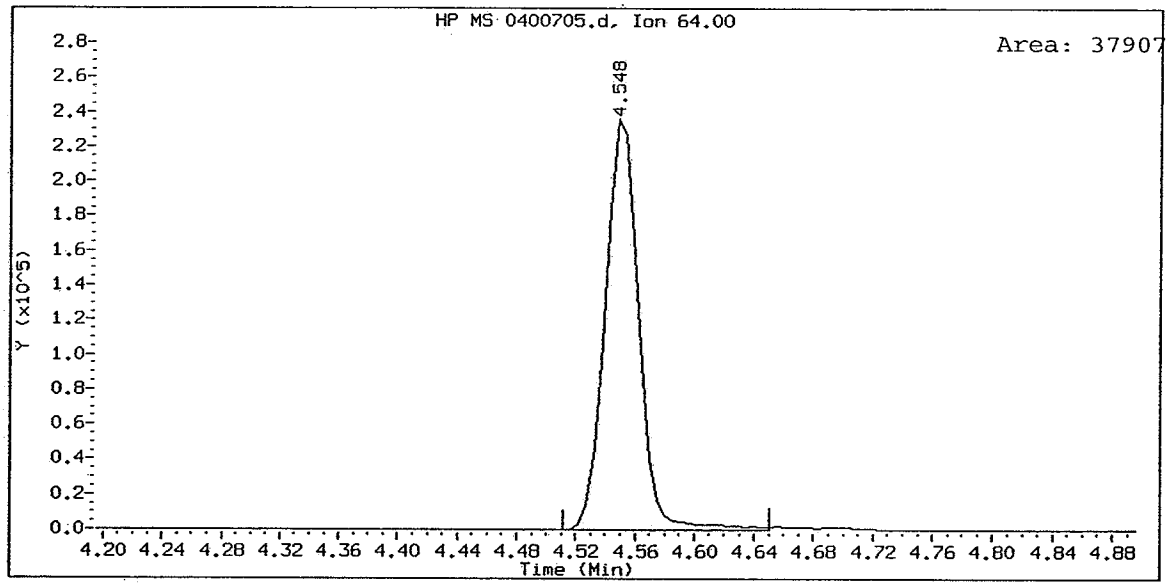
2-Fluorophenol Amount: 39.52





Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060705.b/0800705.d
Lab Smp Id: ABN 80
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

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	4.558	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

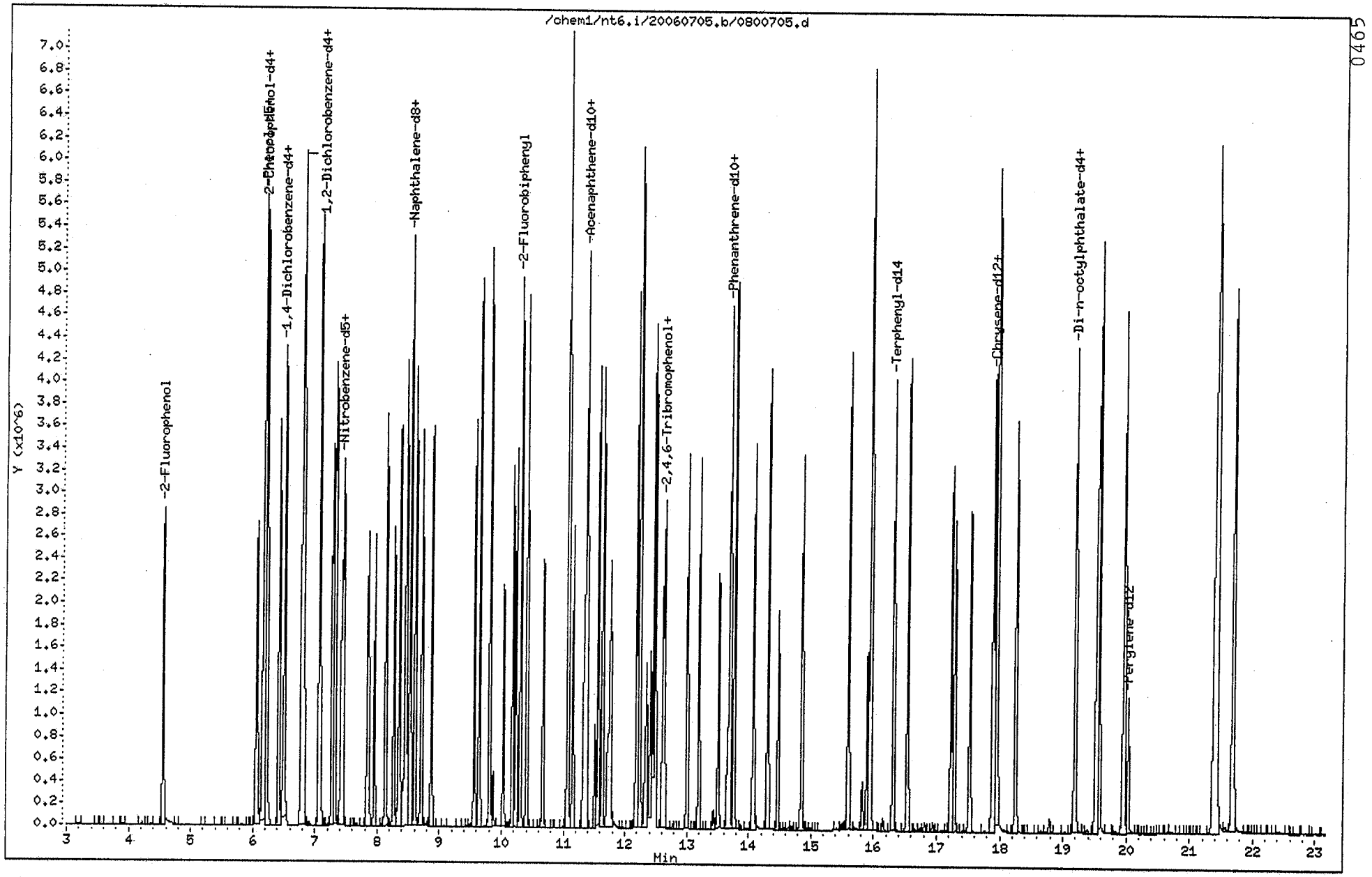
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060705.b/0800705.d
Date : 05-JUL-2006 10:46
Client ID:
Sample Info: ABN 80

Instrument: nt6.i

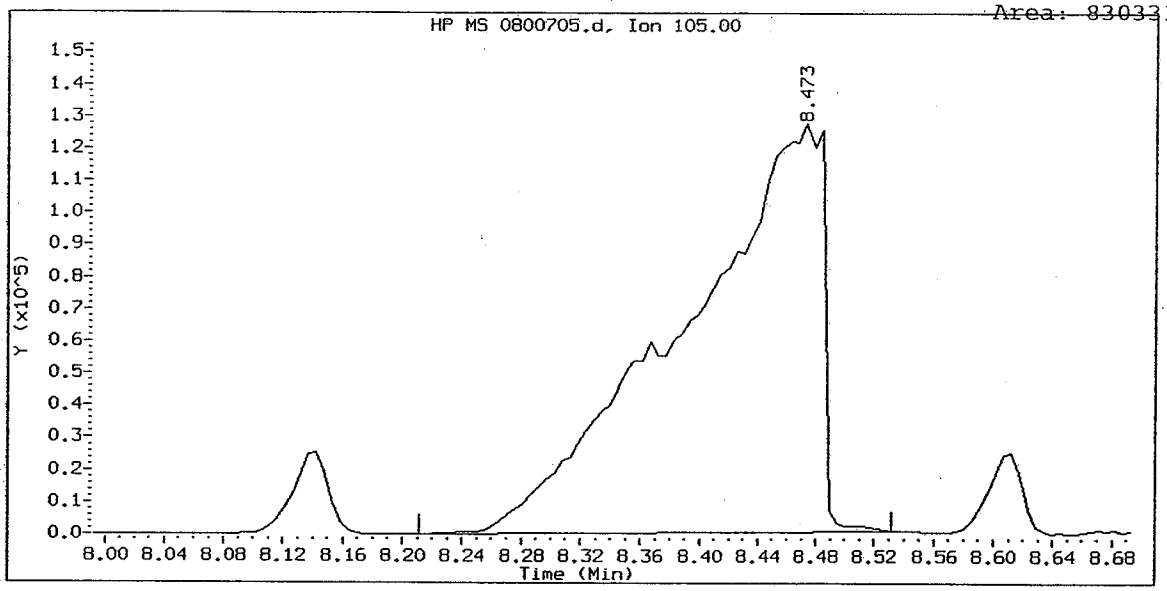
Operator: LJR
Column diameter: 0.32

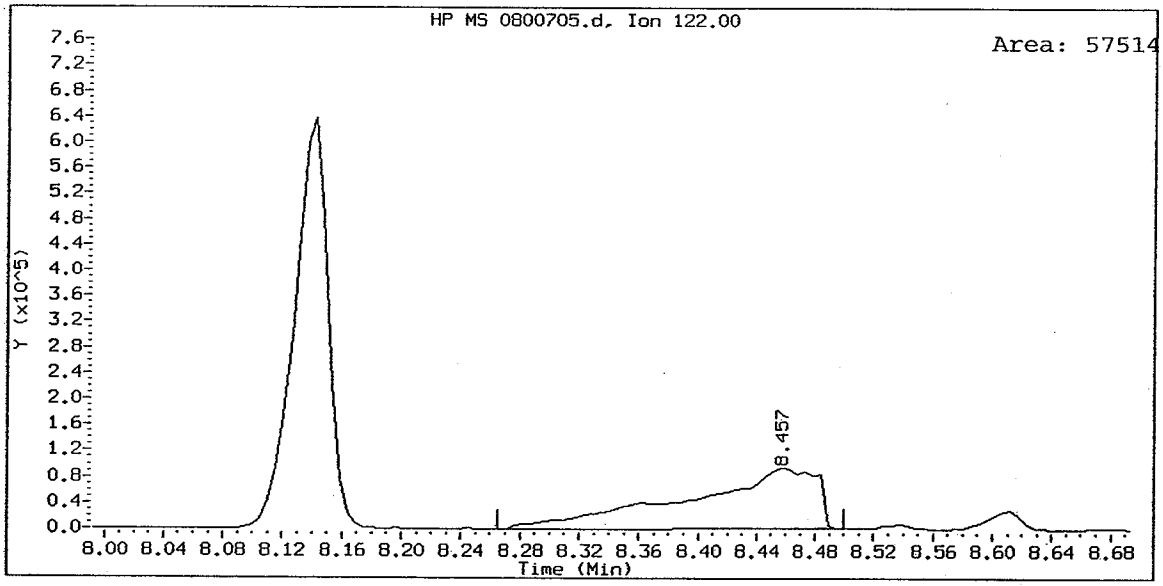
Column phase: ZB-5

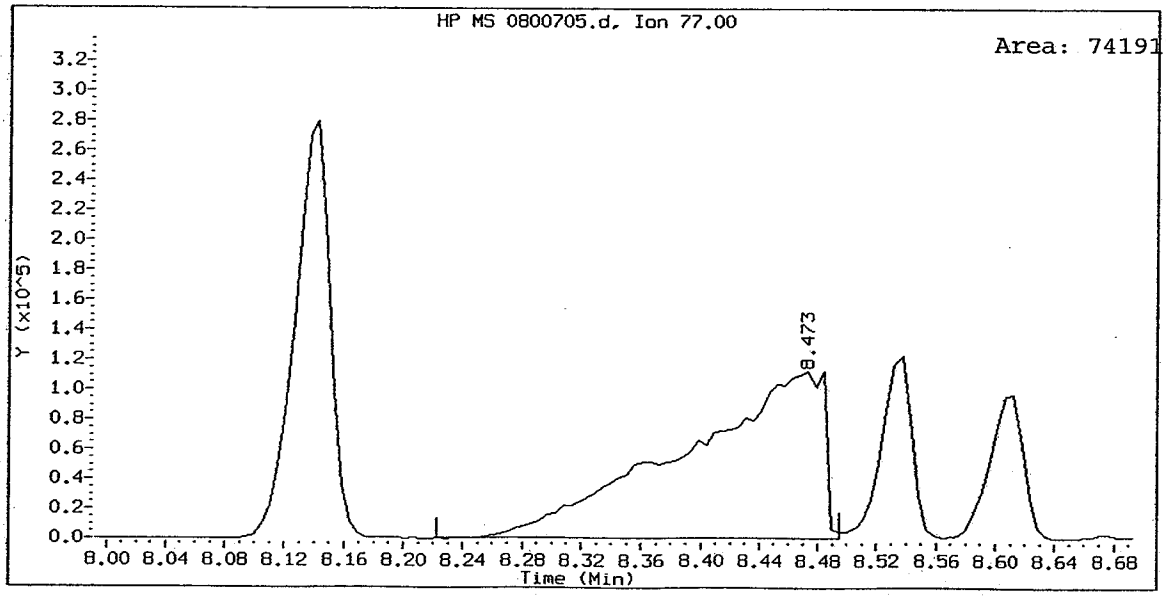


0465

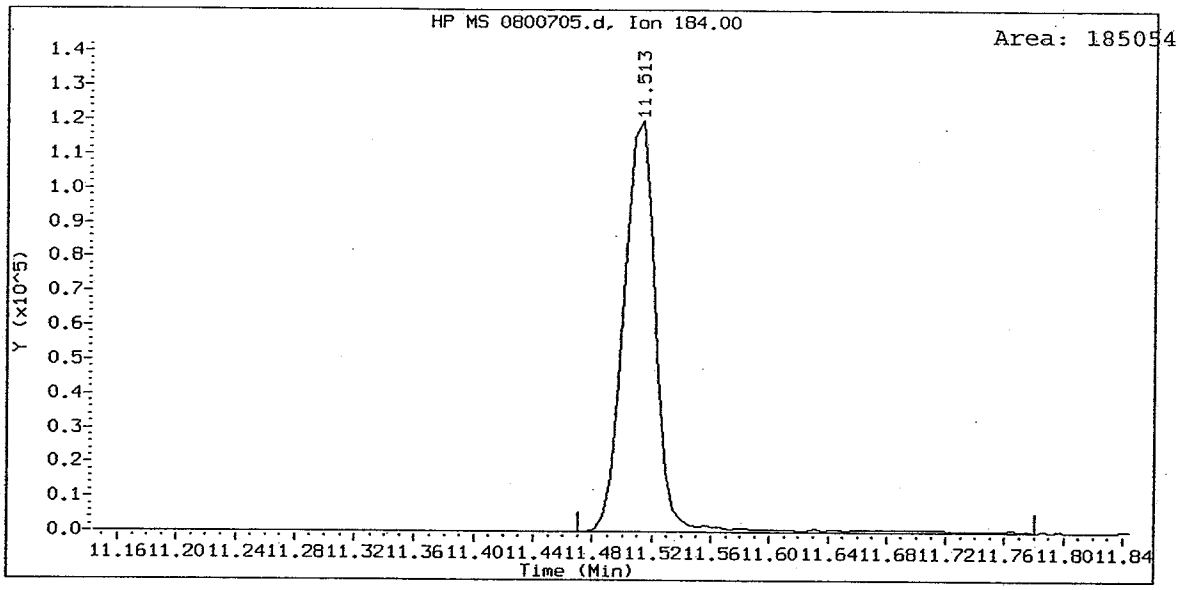
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Benzoic acid Amount: 102.74

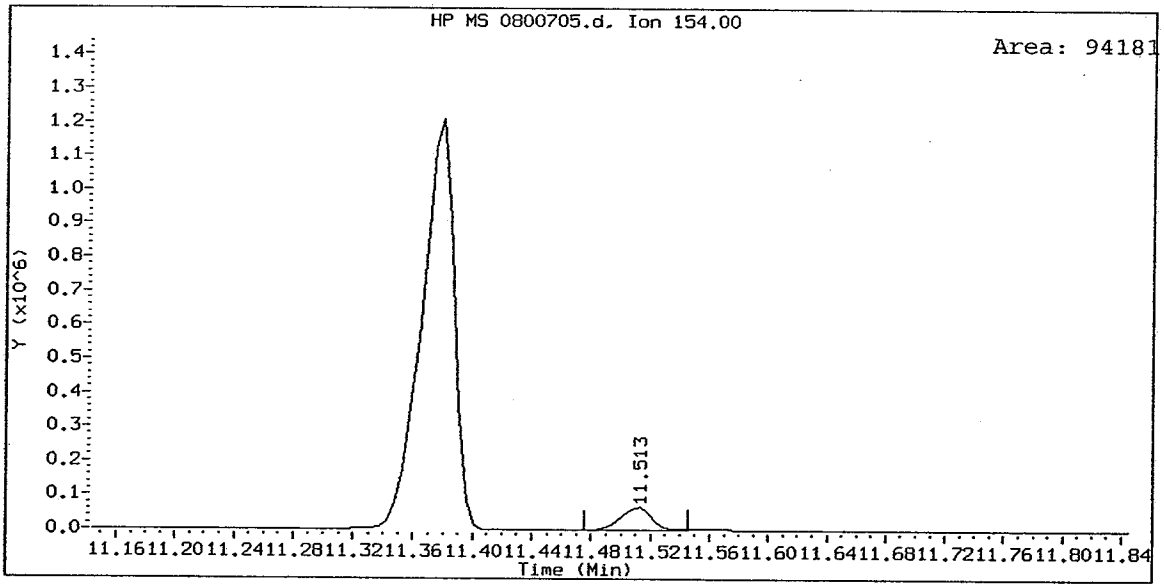


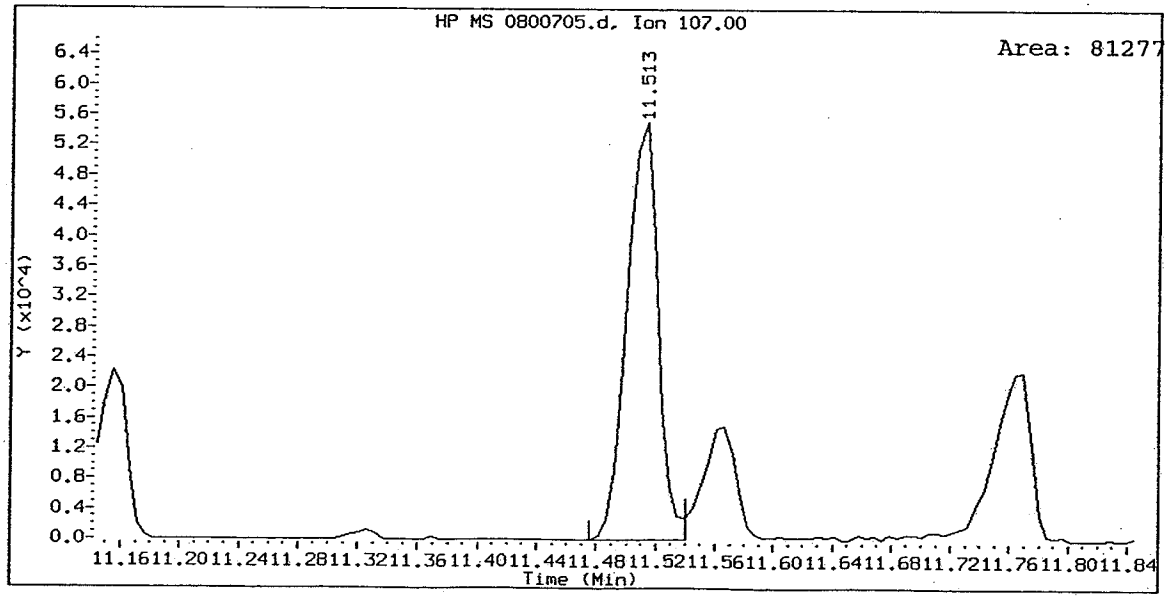




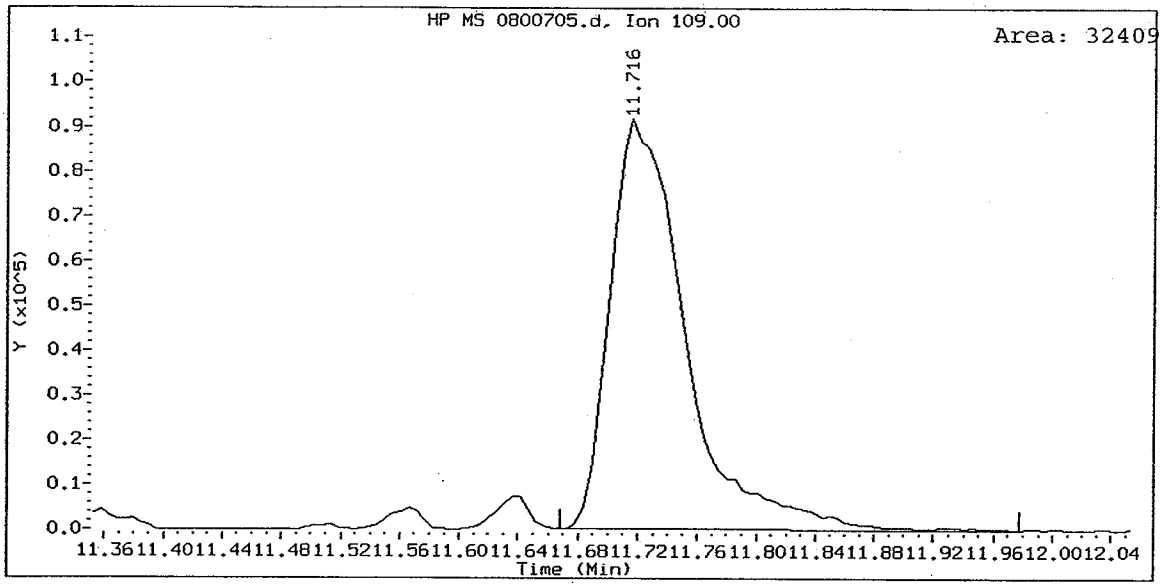
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
2,4-Dinitrophenol Amount: 165.10

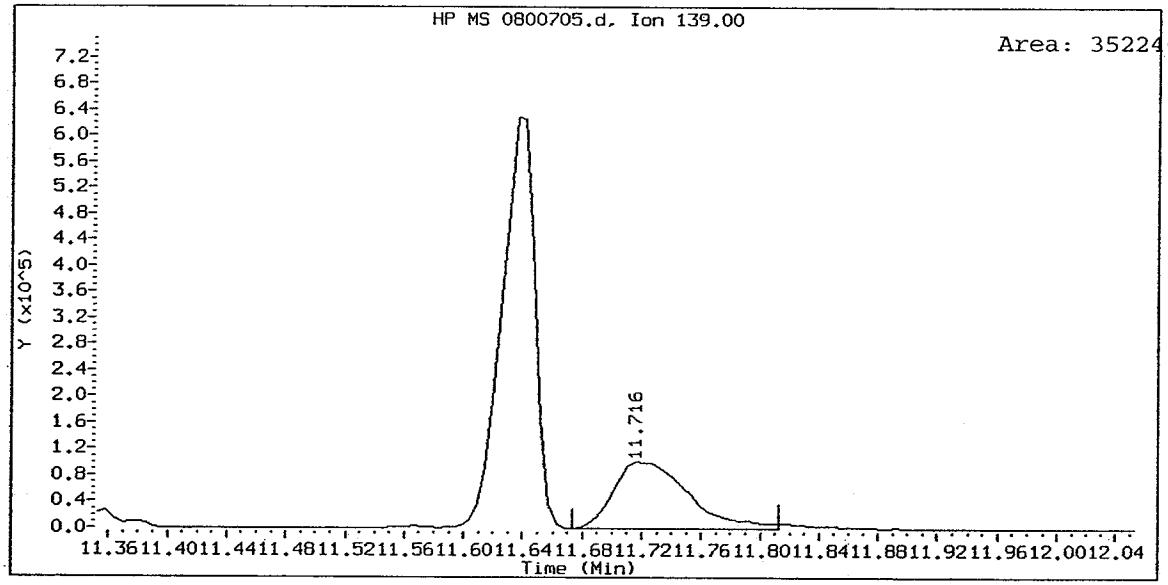


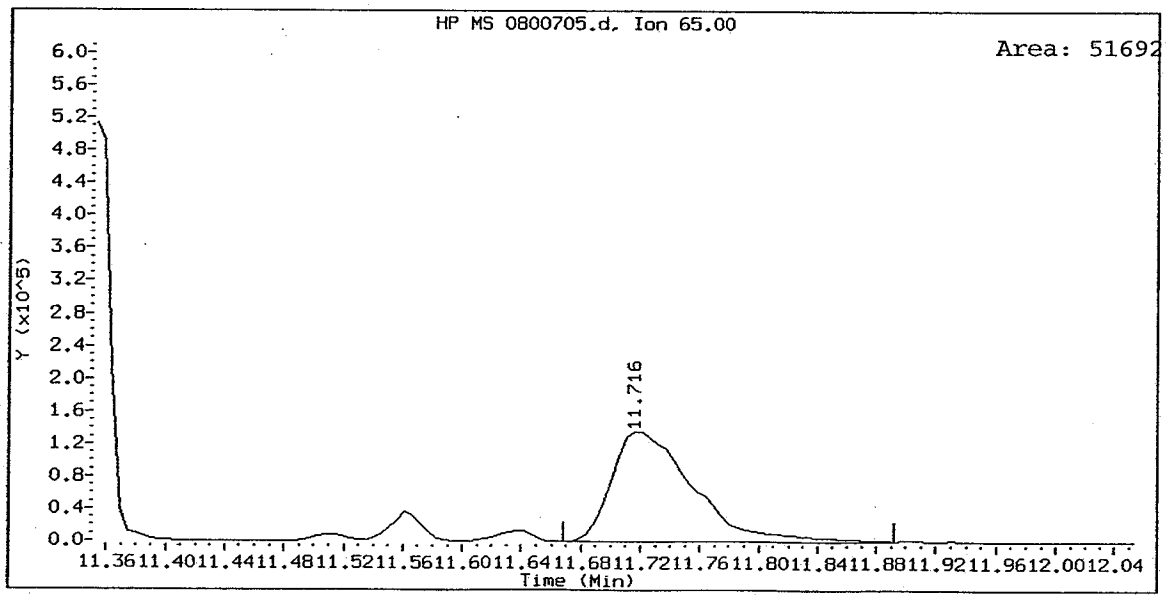




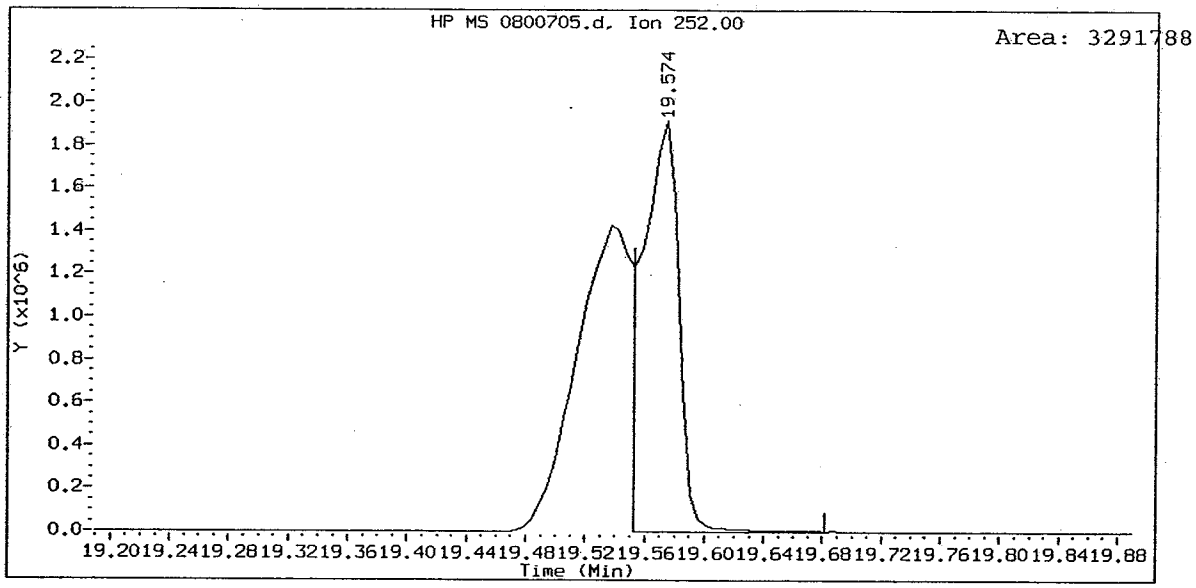
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
4-Nitrophenol Amount: 80.69

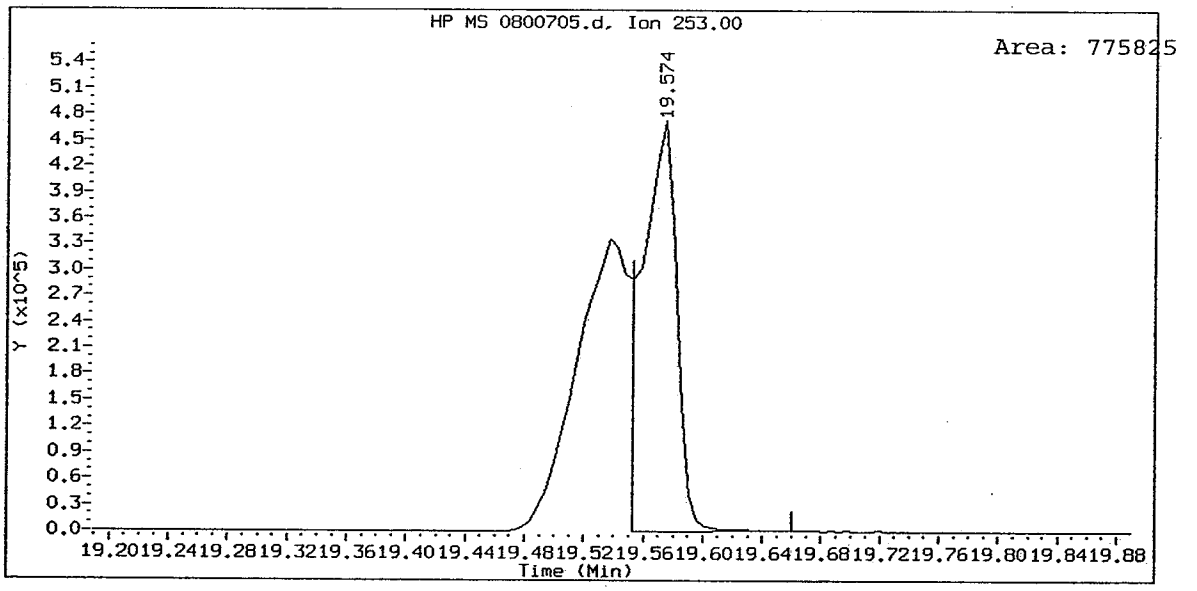


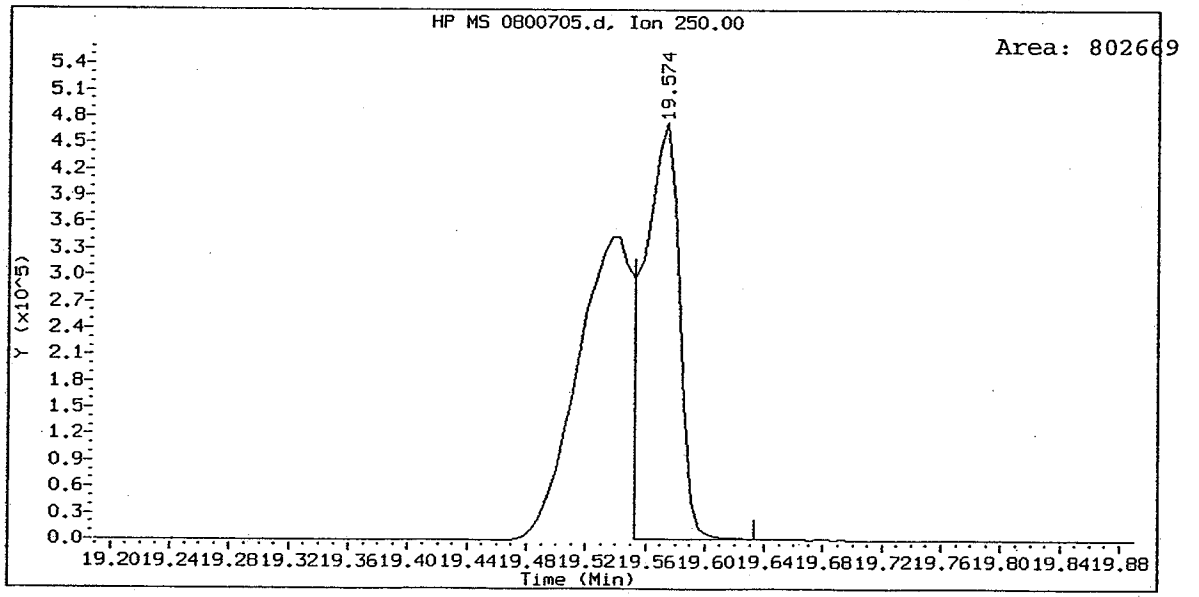




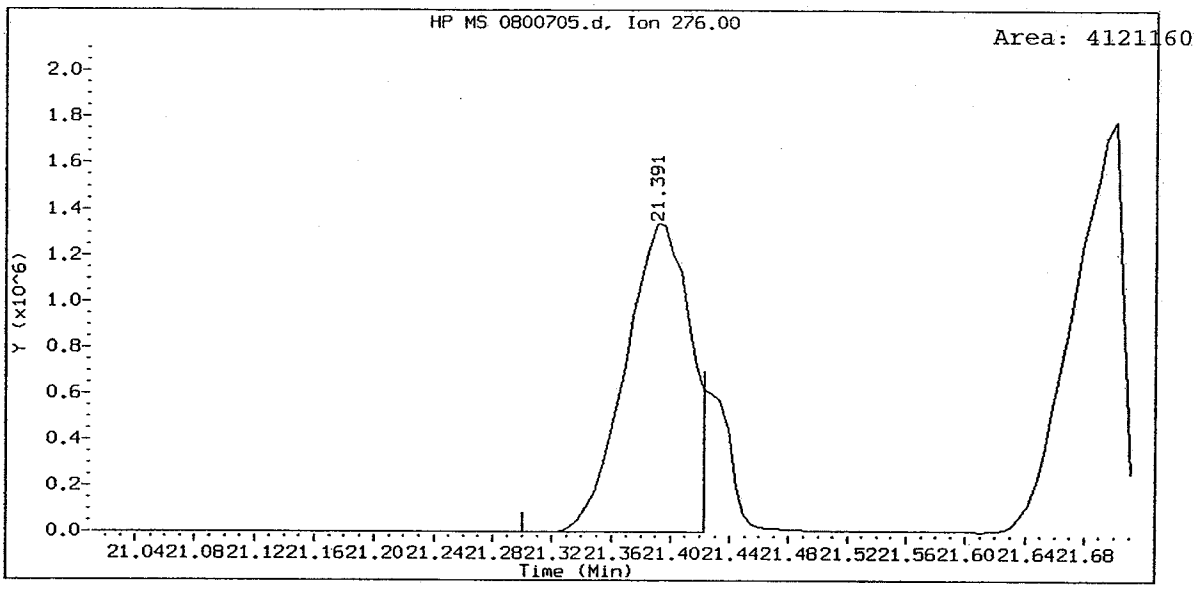
ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Benzo(k)fluoranthene Amount: 74.37

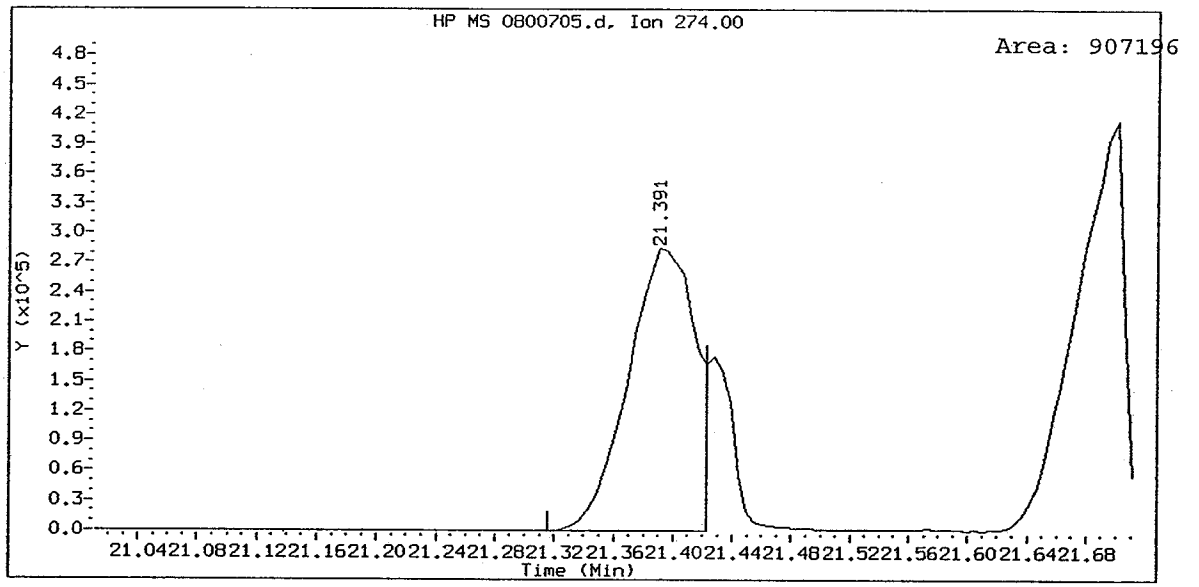


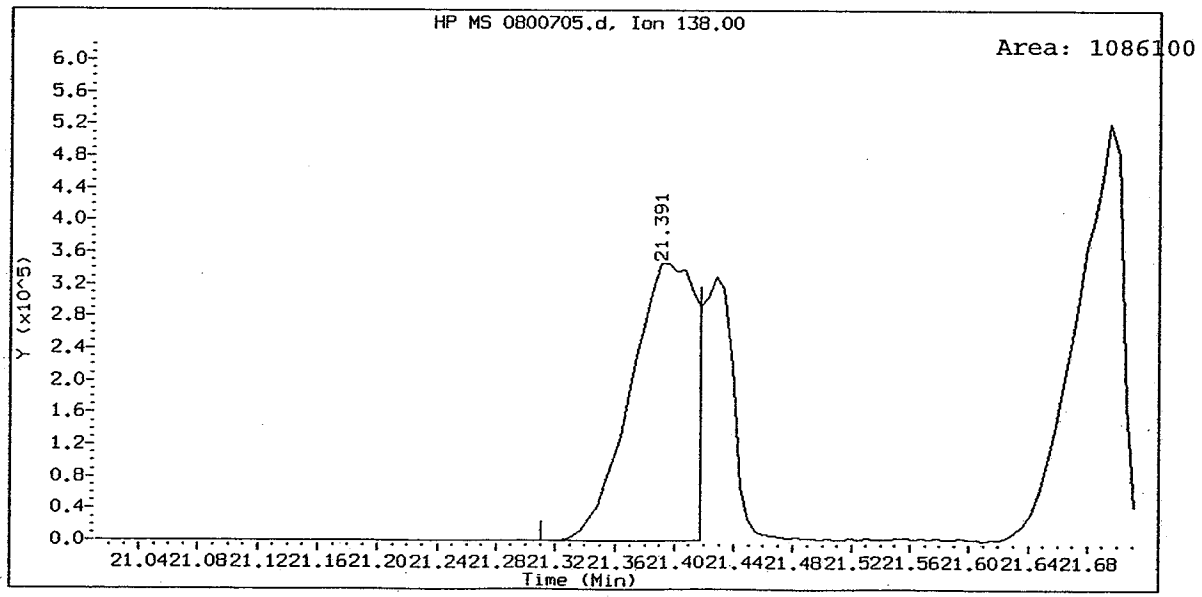




ABN 80, /chem1/nt6.i/20060705.b/0800705.d
Indeno(1,2,3-cd)pyrene Amount: 82.23







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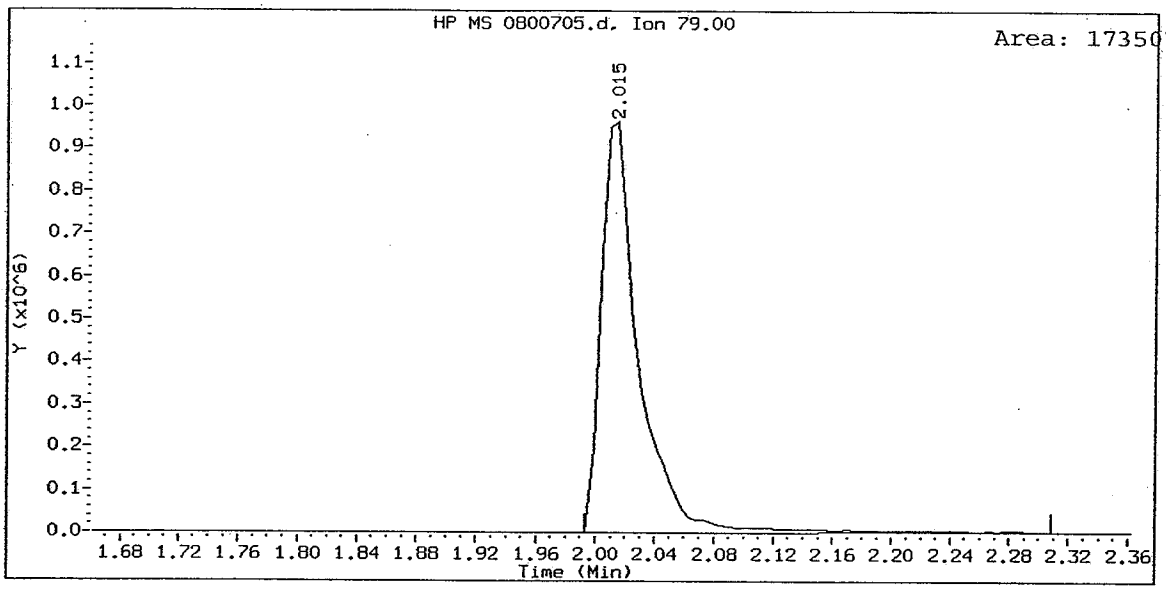
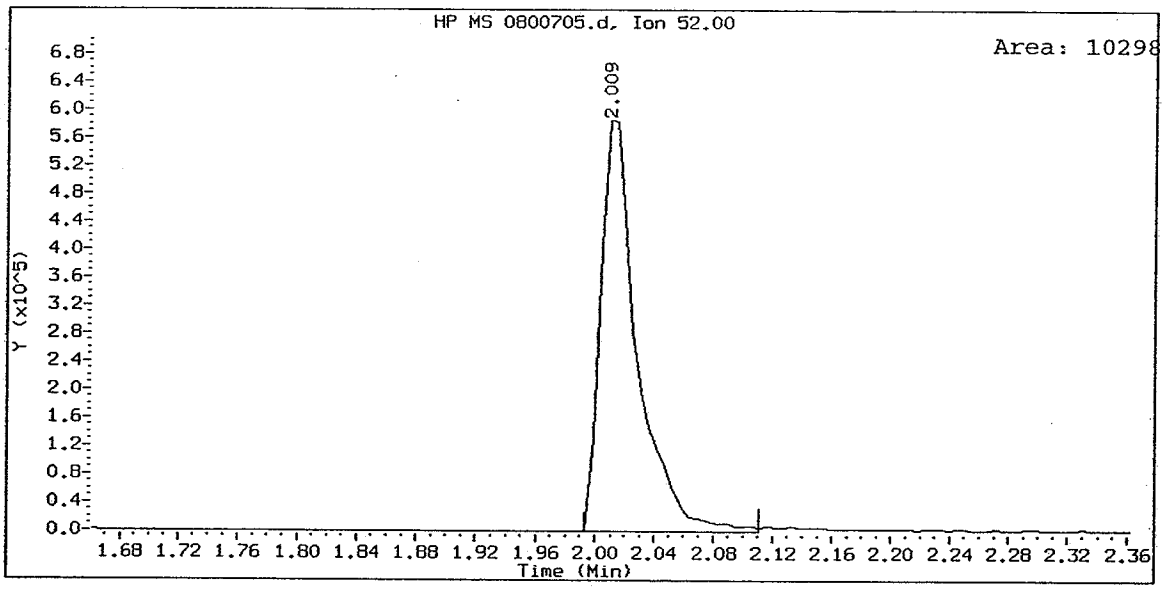
Pyridine Amount: 80.60





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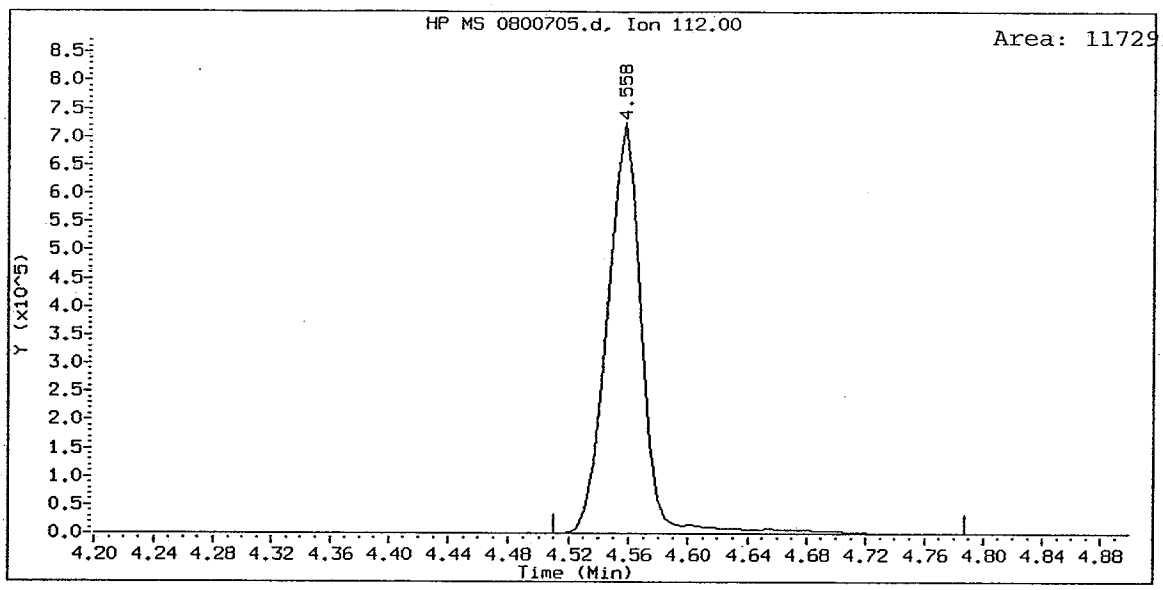
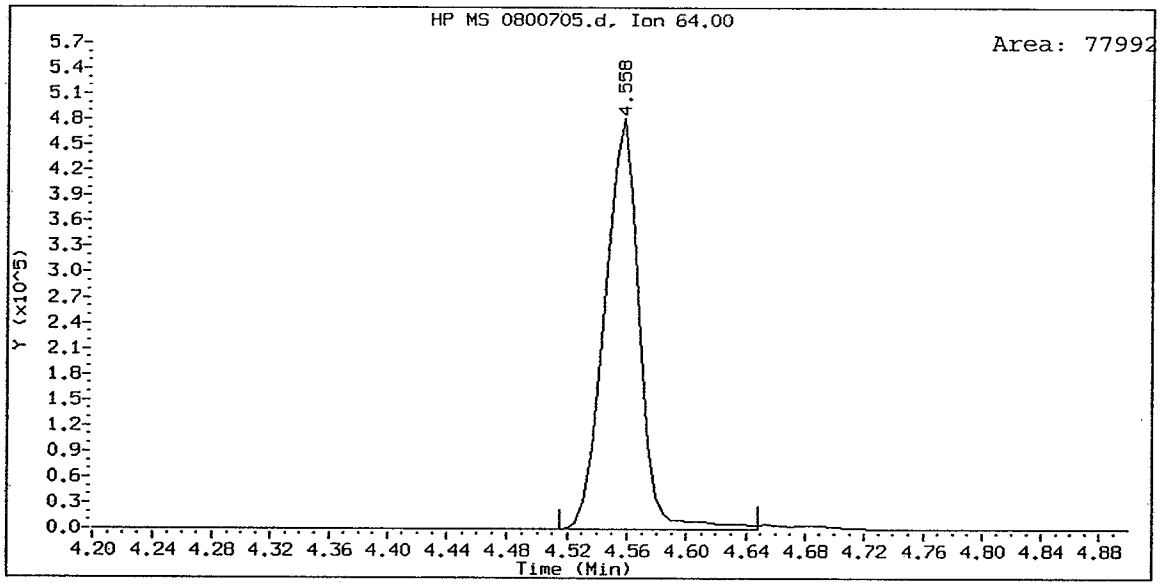
2-Fluorophenol Amount: 81.61





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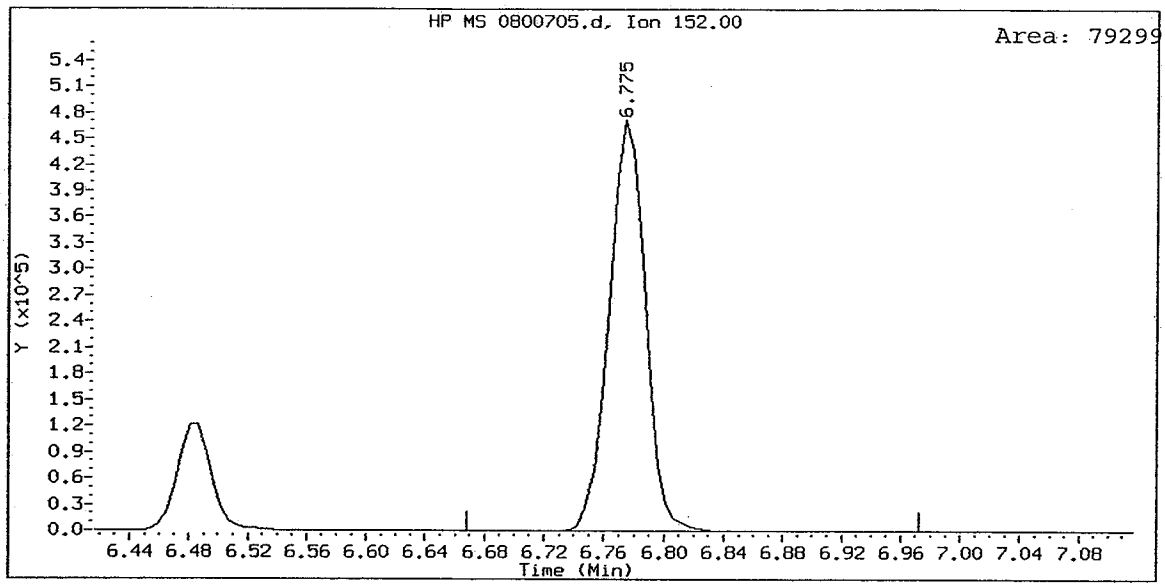
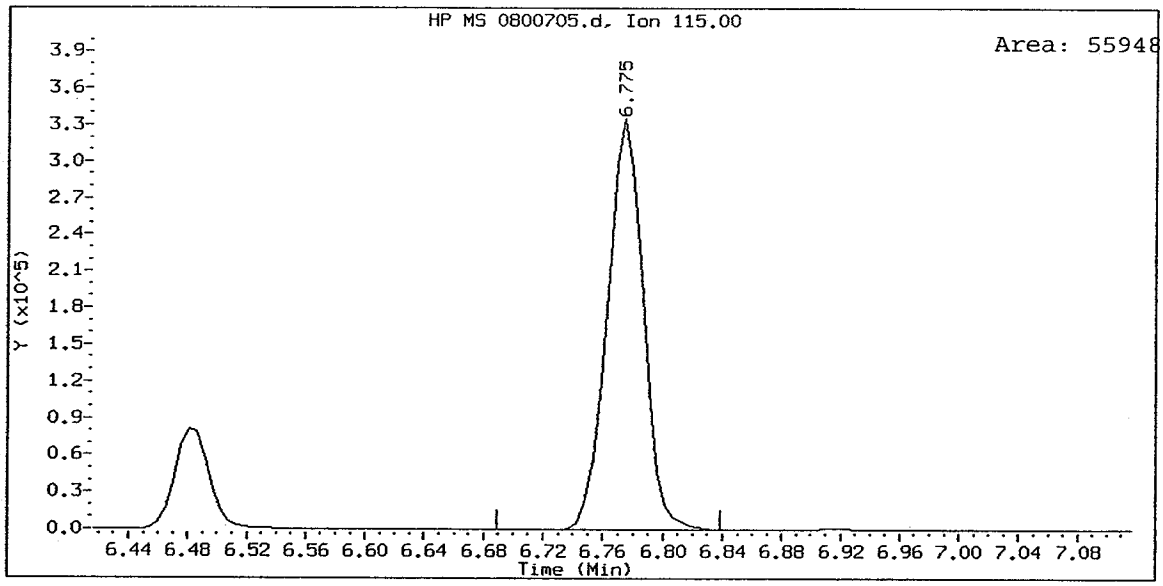
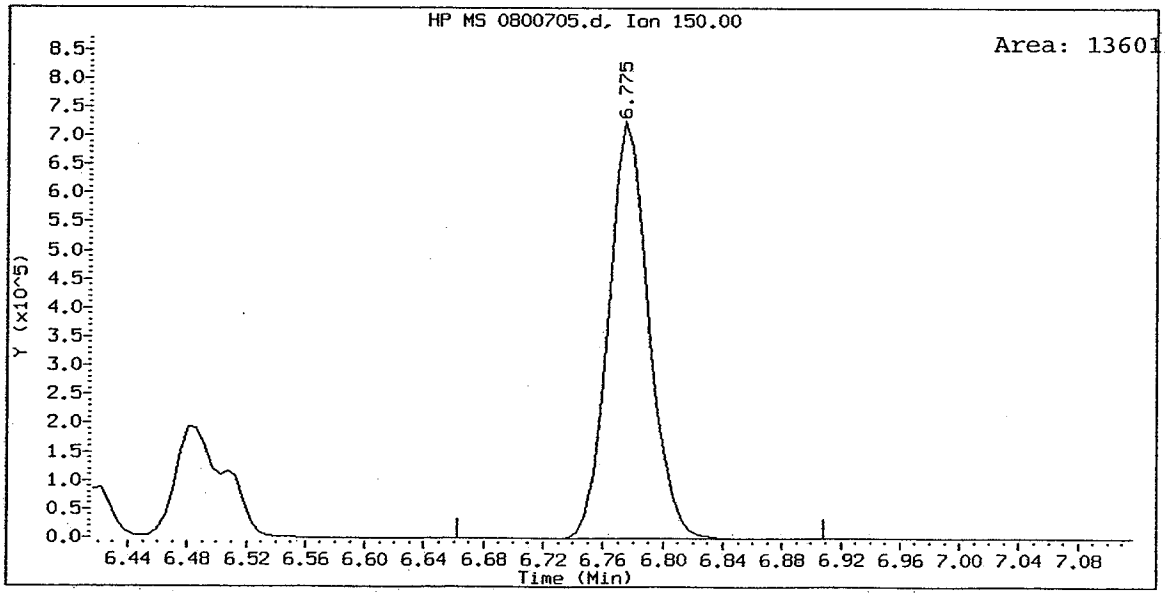
1,2-Dichlorobenzene-d4 Amount: 83.31







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)	CONCENTRATIONS 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)	CONCENTRATIONS 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)	CONCENTRATIONS 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: Client SDG: 20060705
Sample Matrix: NONE Fraction: SV
Lab Smp Id: ABN ICV
Level: Operator: LJR
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV.spk Quant Type: ISTD
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060705.b/SW846.m
Misc Info:

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	OK 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	

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

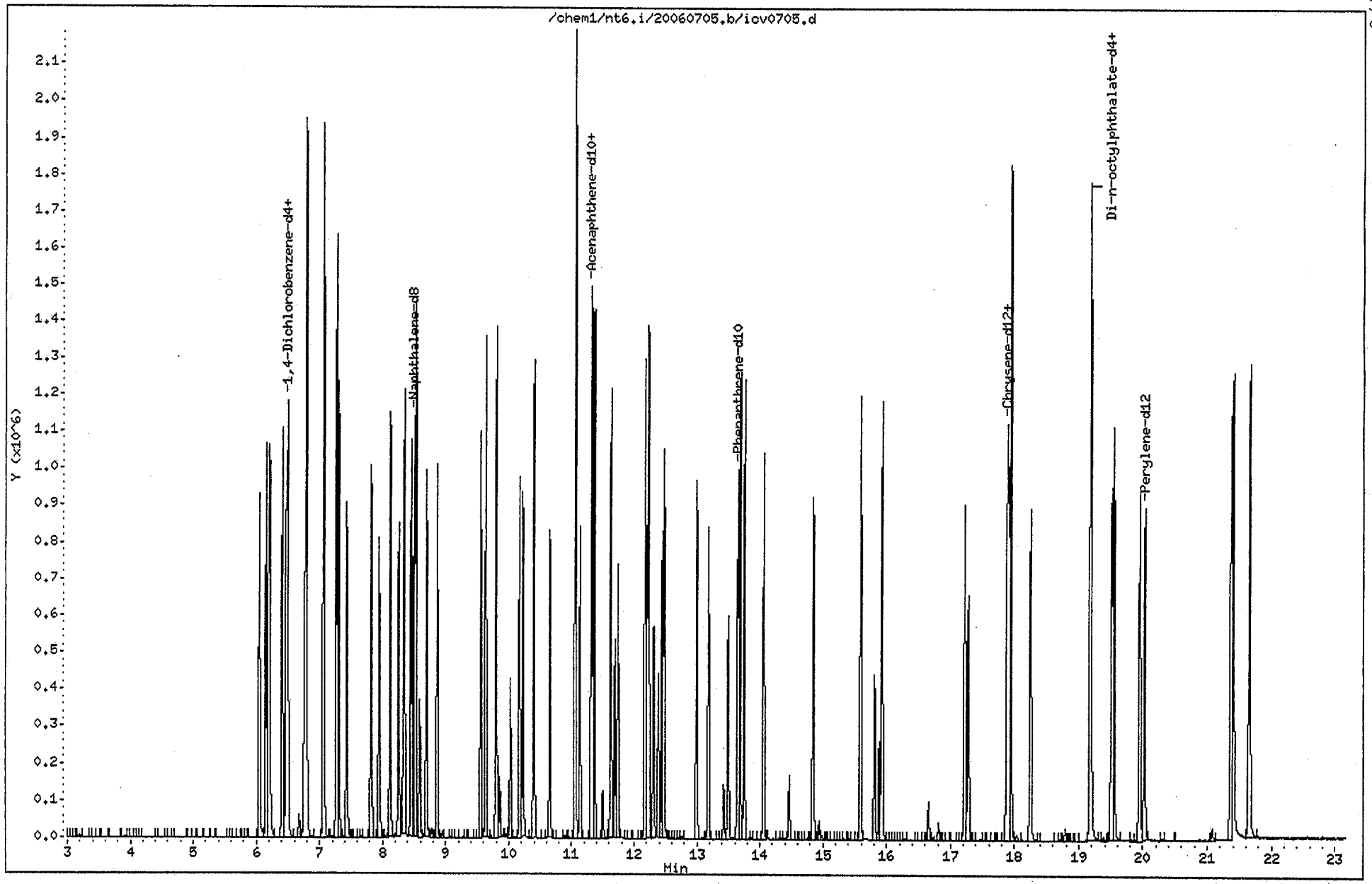
Data File: /chem1/nt6.i/20060705.b/icv0705.d
Date : 05-JUL-2006 13:20
Client ID:
Sample Info: ABN ICV

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

Column phase: ZB-5

0480



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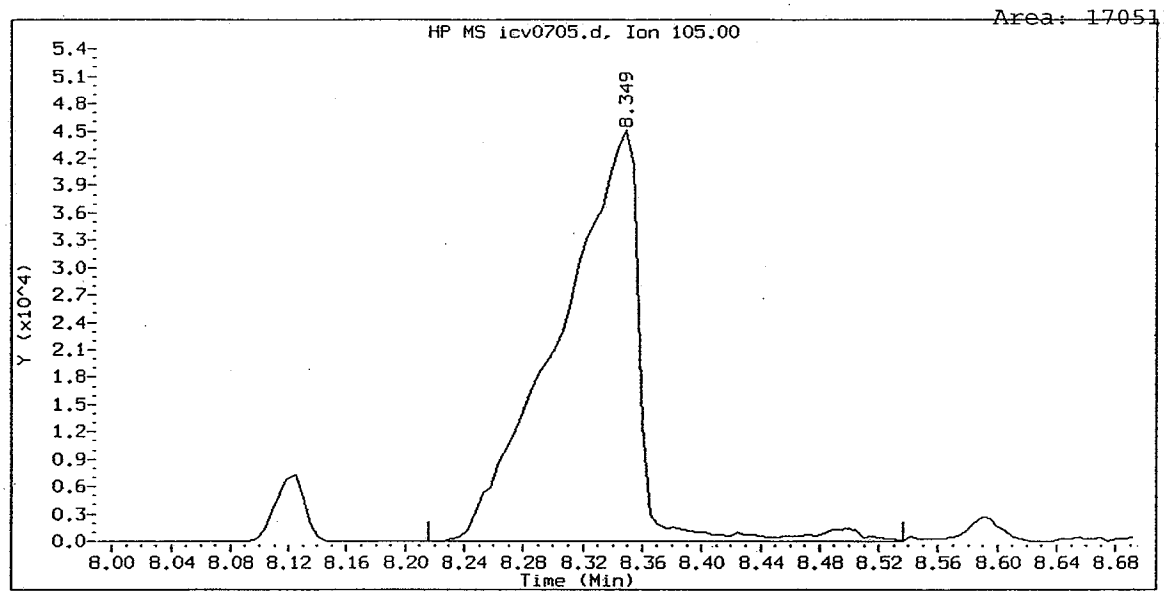
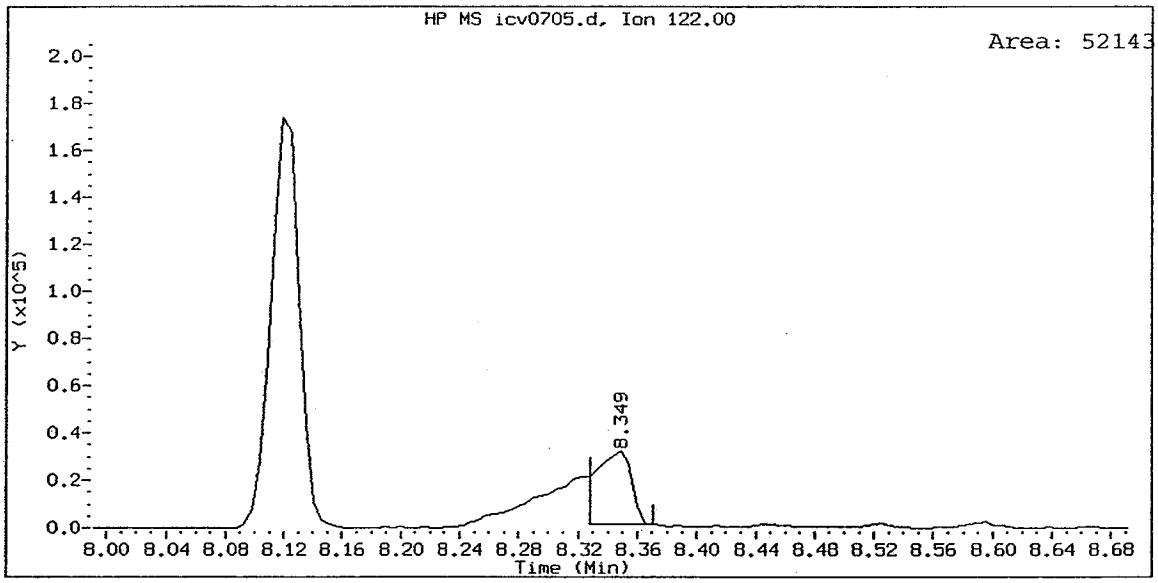
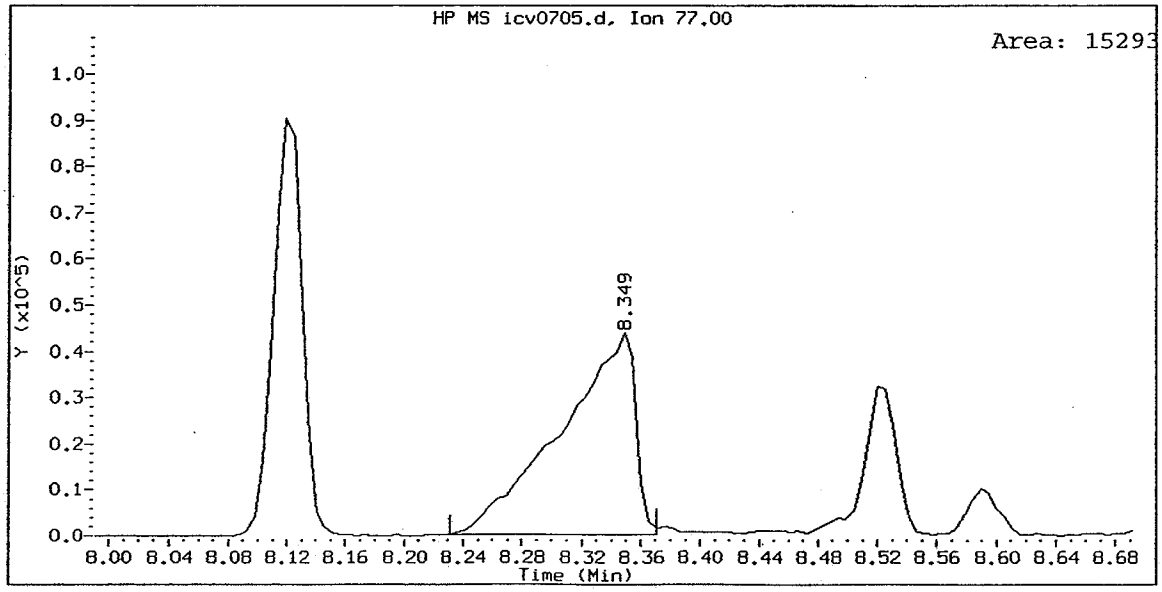
Benzoic acid Amount: 21.79







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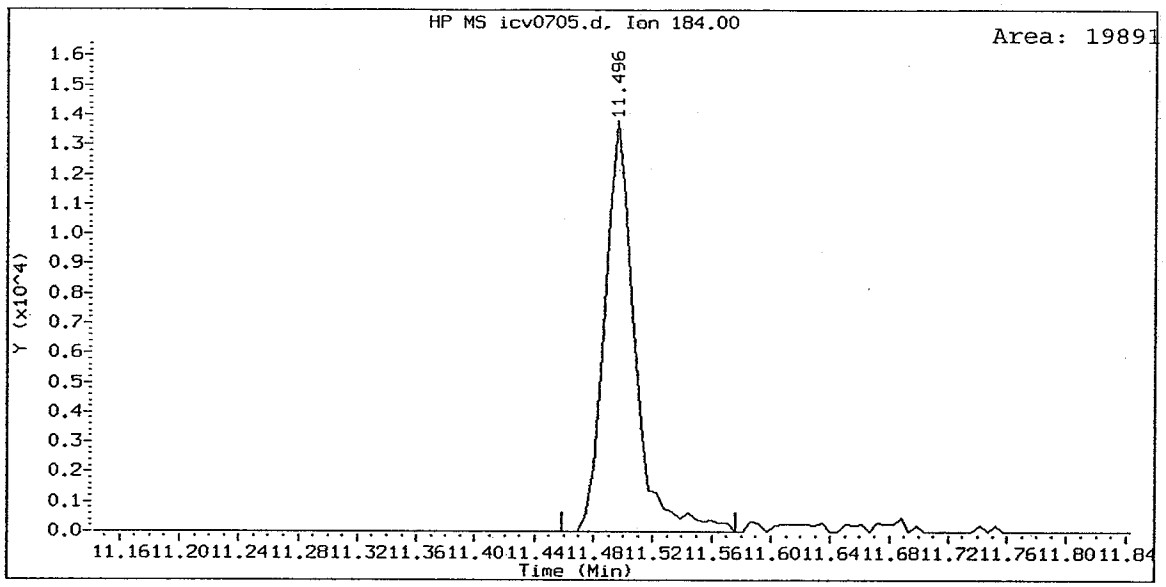
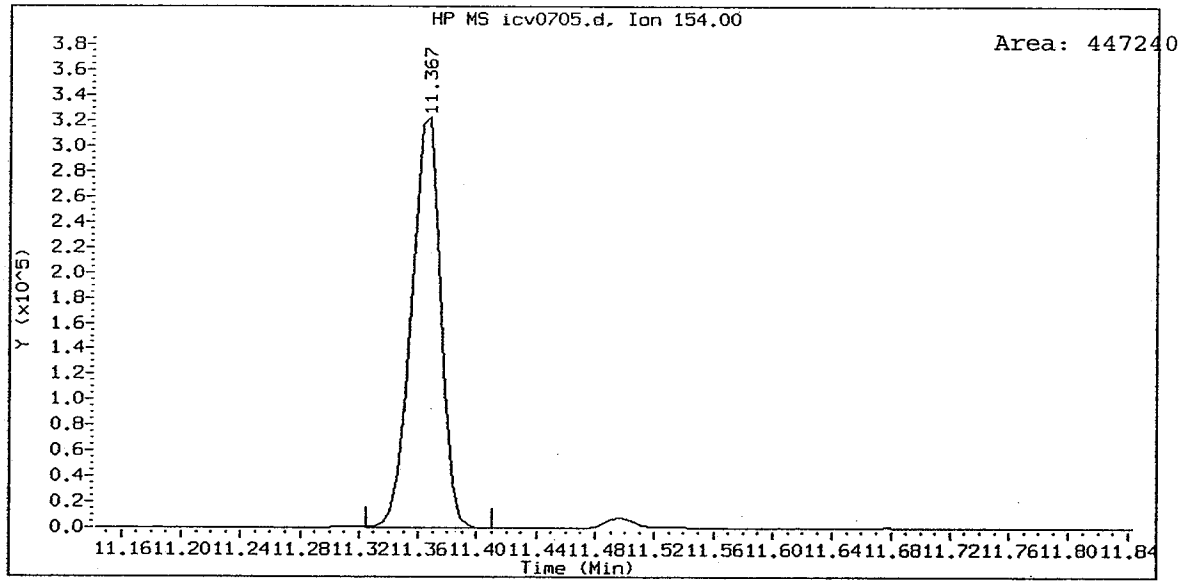
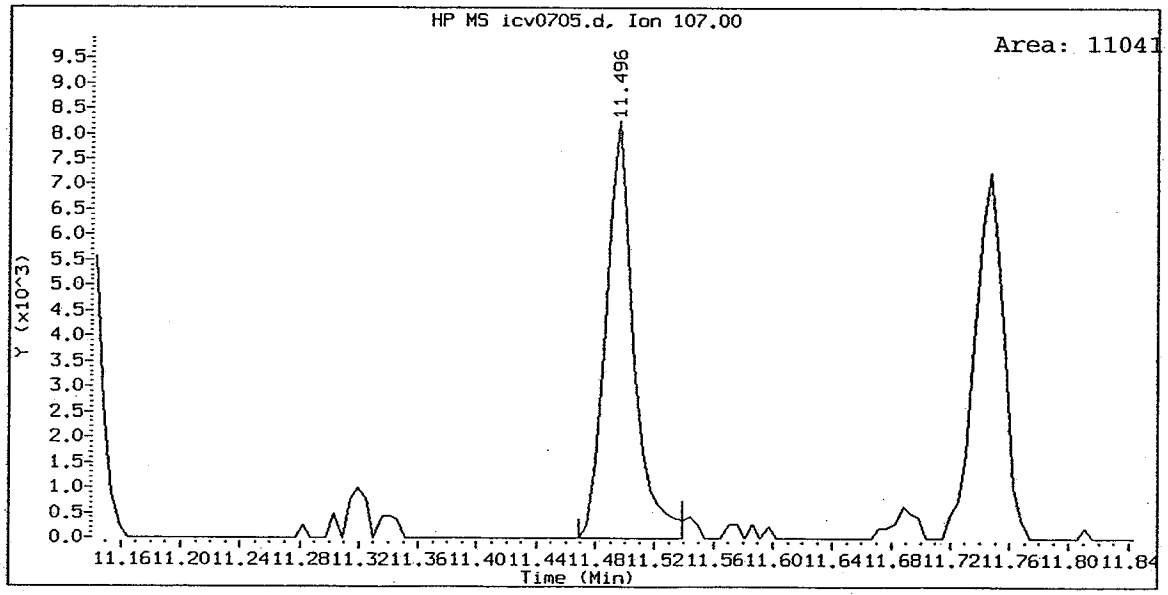
2,4-Dinitrophenol Amount: 17.71







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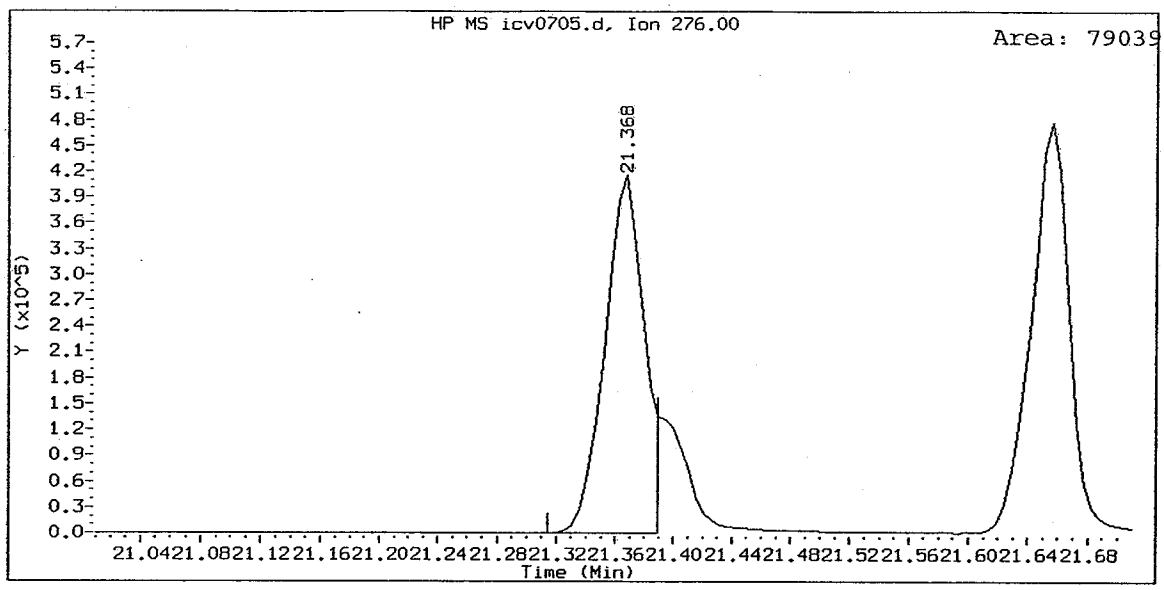
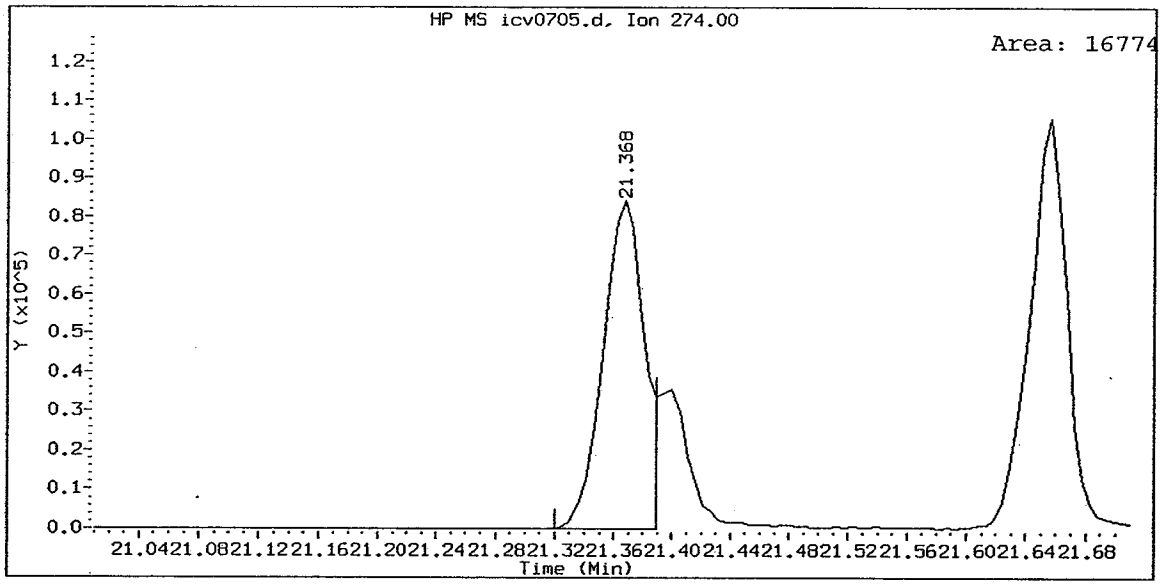
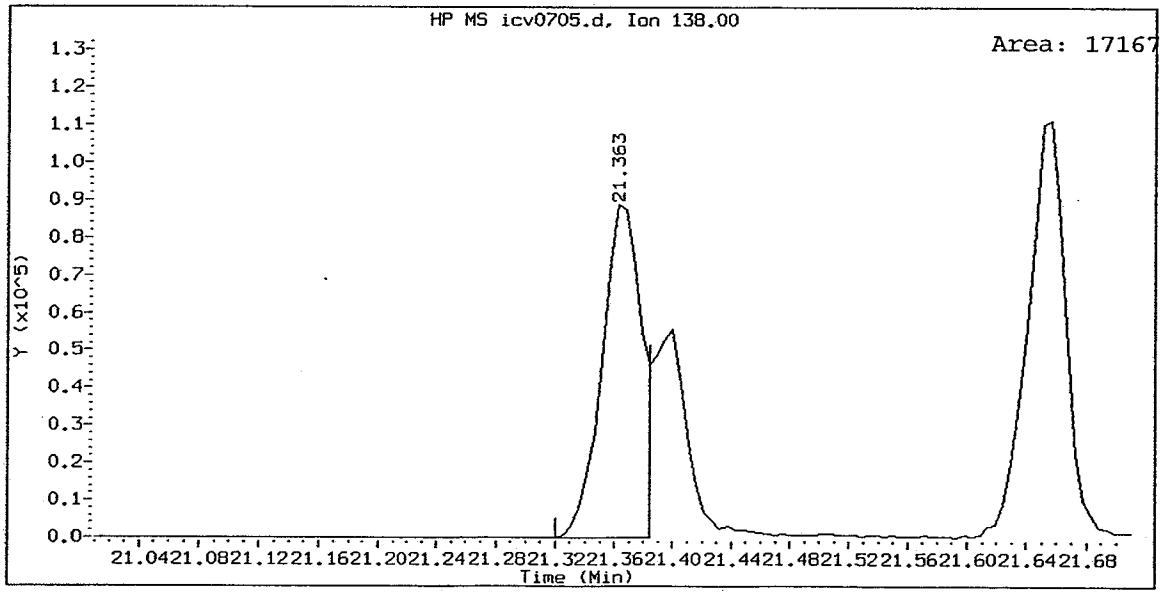
Indeno(1,2,3-cd)pyrene Amount: 20.83







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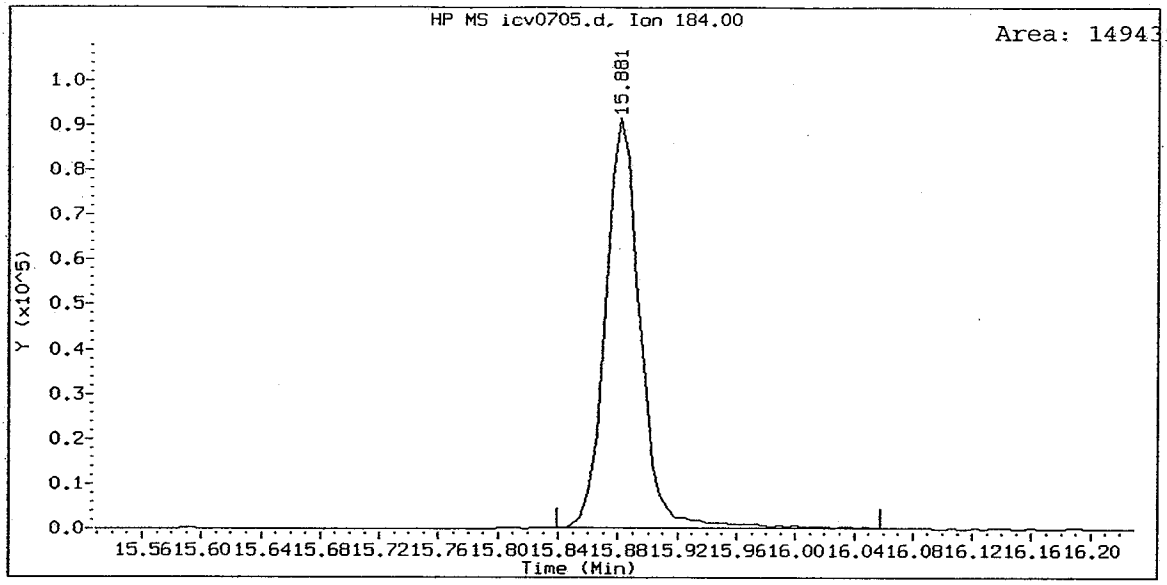
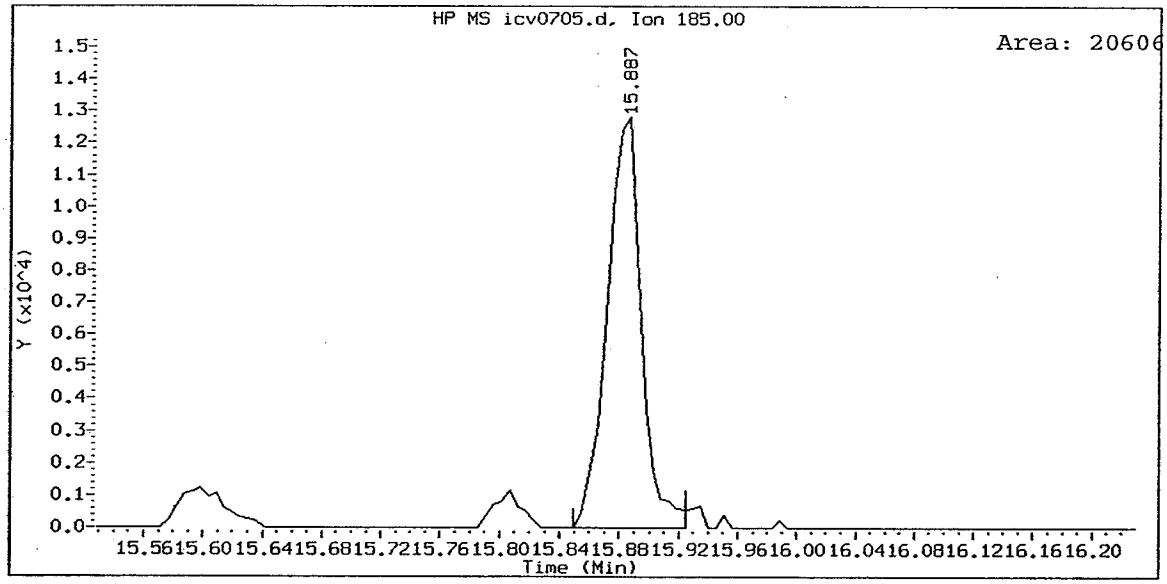
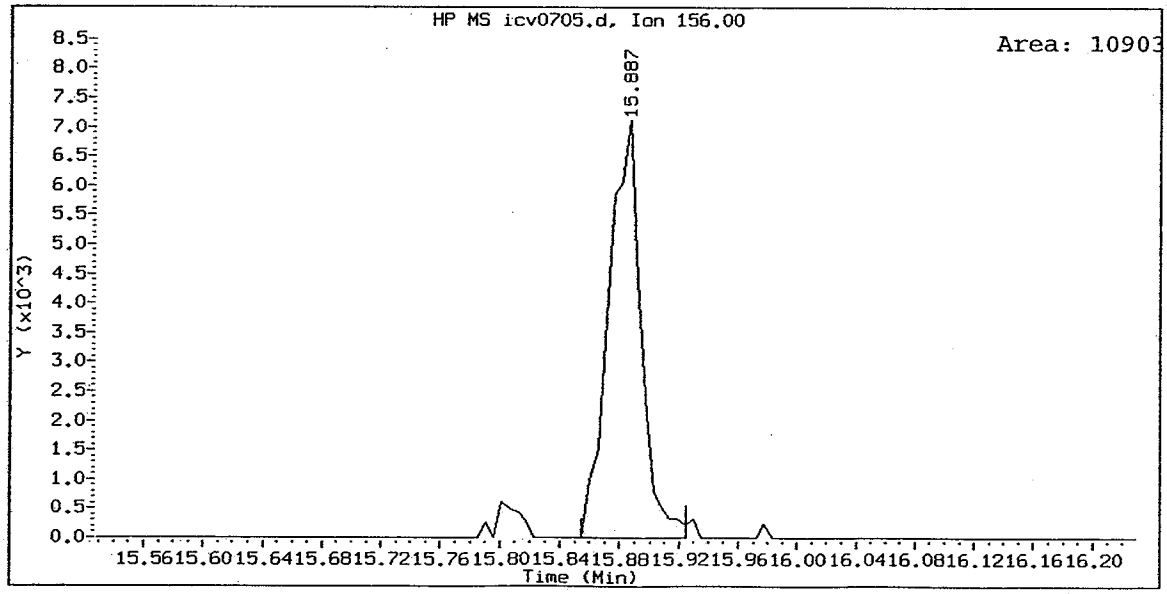
Benzidine Amount: 11.61







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

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

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 07-AUG-2006 09:54
Lab File ID: cc0807.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060807.b/SW846.m

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 Injection Date: 07-AUG-2006 09:54
Lab File ID: cc0807.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060807.b/SW846.m

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 Injection Date: 07-AUG-2006 09:54
Lab File ID: cc0807.d Init. Cal. Date(s): 05-JUL-2006 19-JUL-2006
Analysis Type: Init. Cal. Times: 10:16 17:54
Lab Sample ID: ABN 25 Quant Type: ISTD
Method: /chem1/nt6.i/20060807.b/SW846.m

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	

Analytical Resources, Inc.

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

LJR 8/15/06

	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:

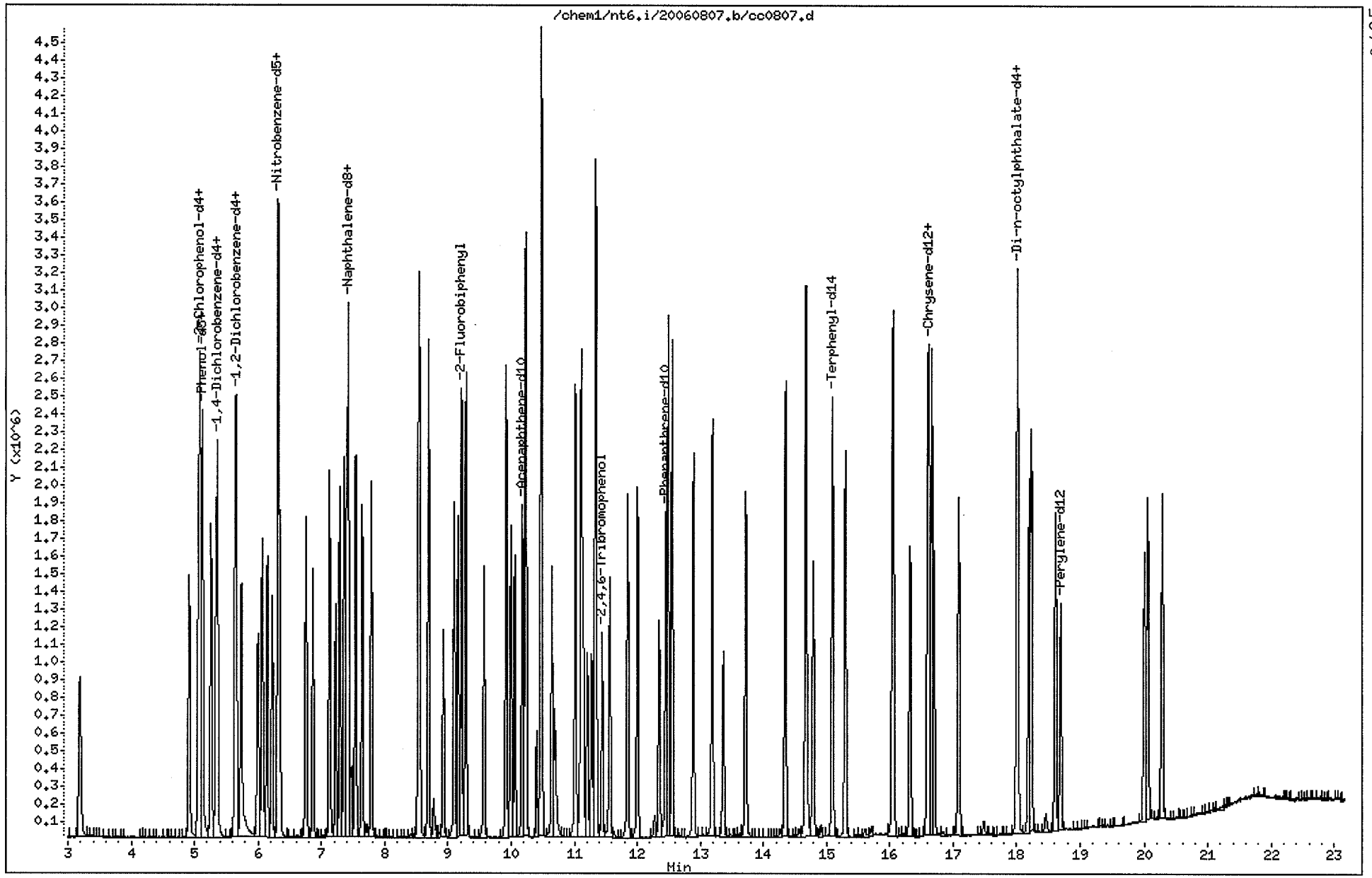
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	318996	0.00
27 Naphthalene-d8	1113586	556793	2227172	1113586	0.00
42 Acenaphthene-d10	652908	326454	1305816	652908	0.00
59 Phenanthrene-d10	1012561	506280	2025122	1012561	0.00
69 Chrysene-d12	948800	474400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

		RT LIMIT			
COMPOUND	STANDARD	LOWER	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.

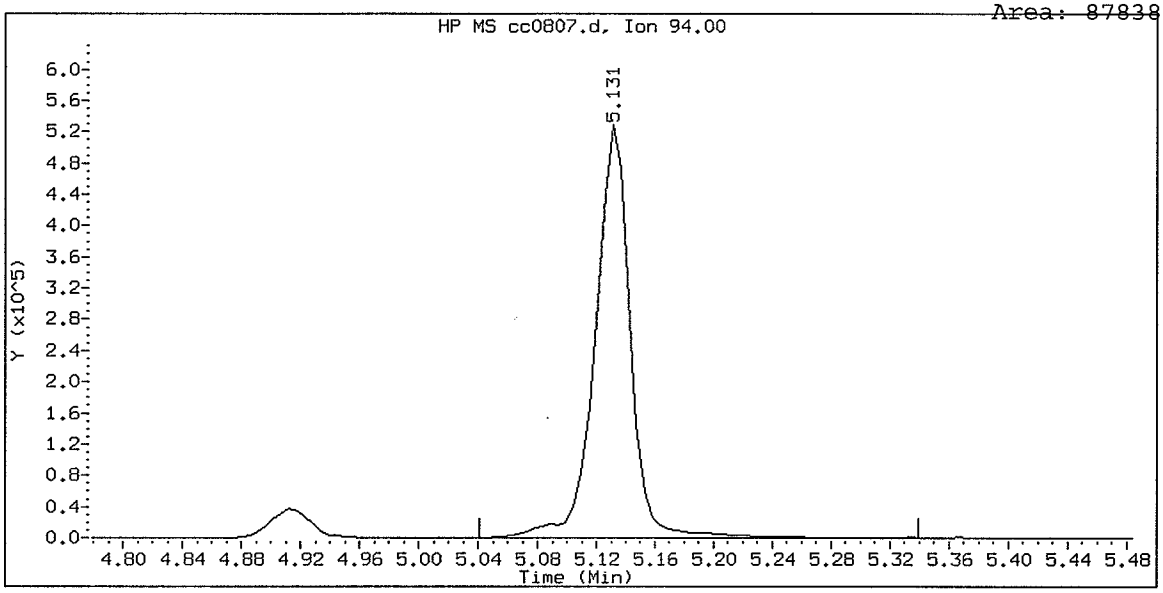
Data File: /chem1/nt6.i/20060807.b/cc0807.d
Date : 07-AUG-2006 09:54
Client ID:
Sample Info: ABN 25

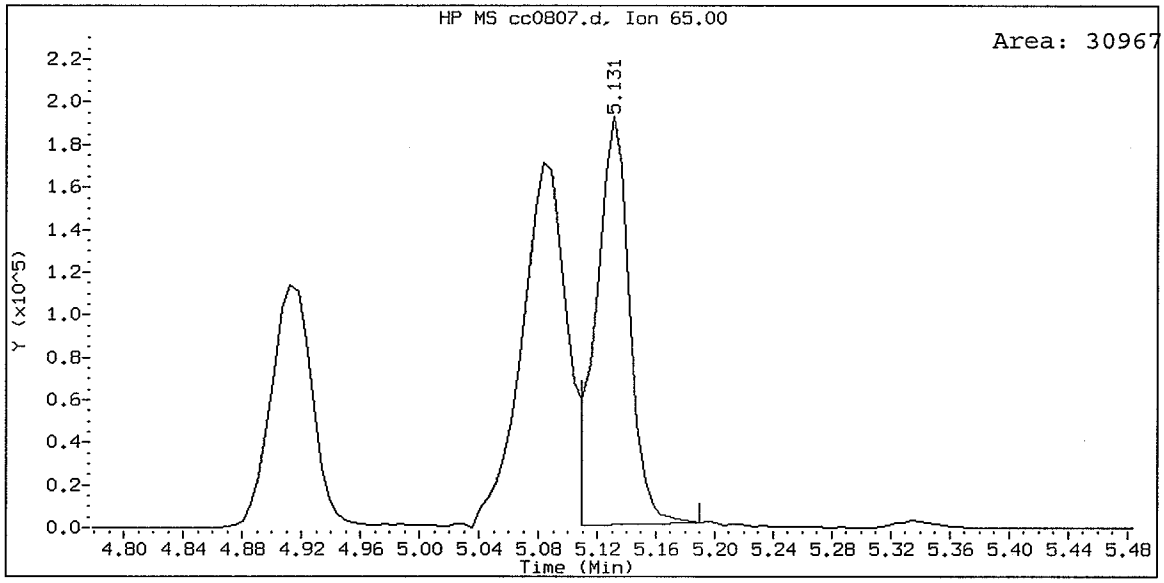
Instrument: nt6.i
Operator: LJR
Column phase: ZB-5
Column diameter: 0.32

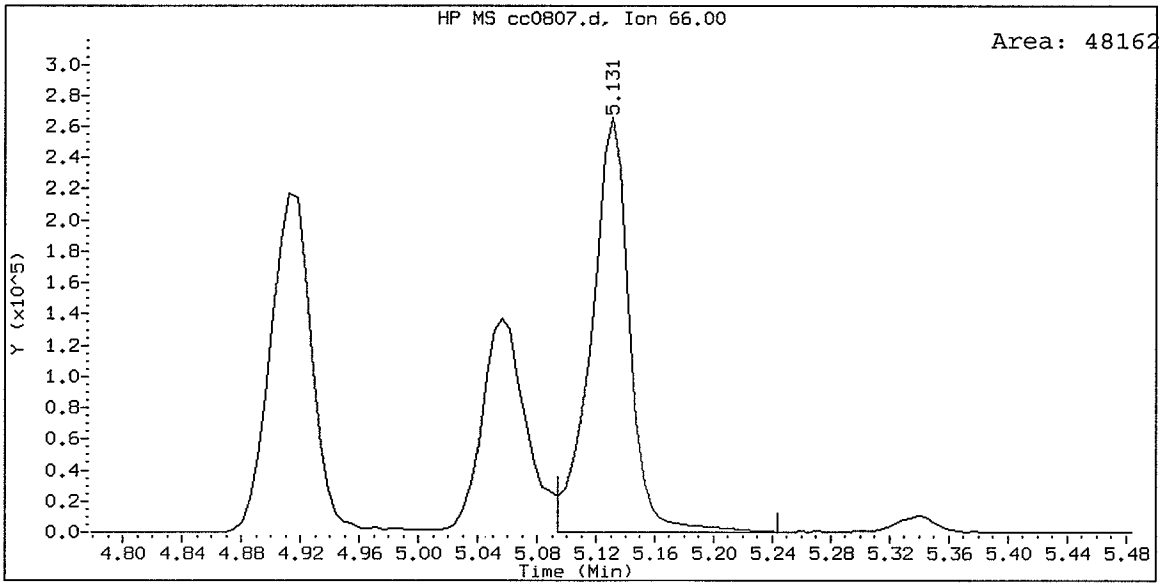


0495

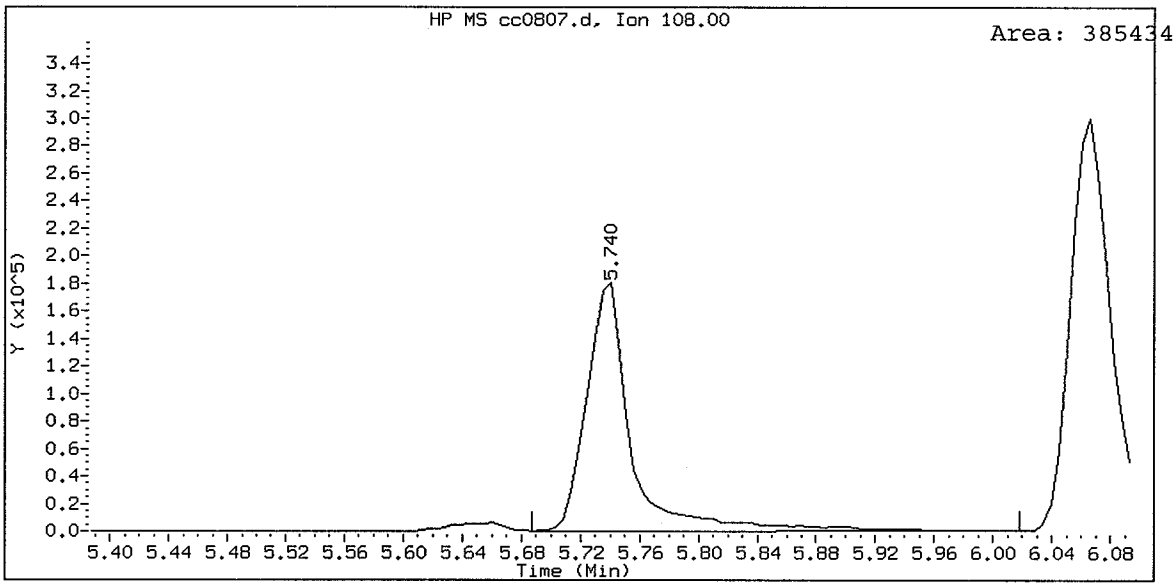
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Phenol Amount: 24.72

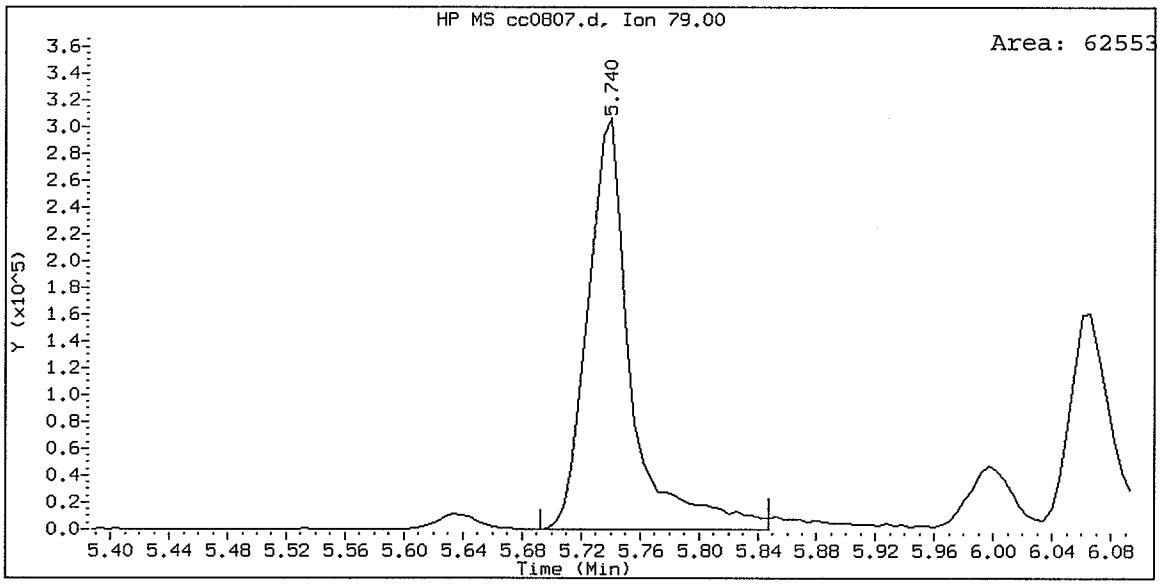


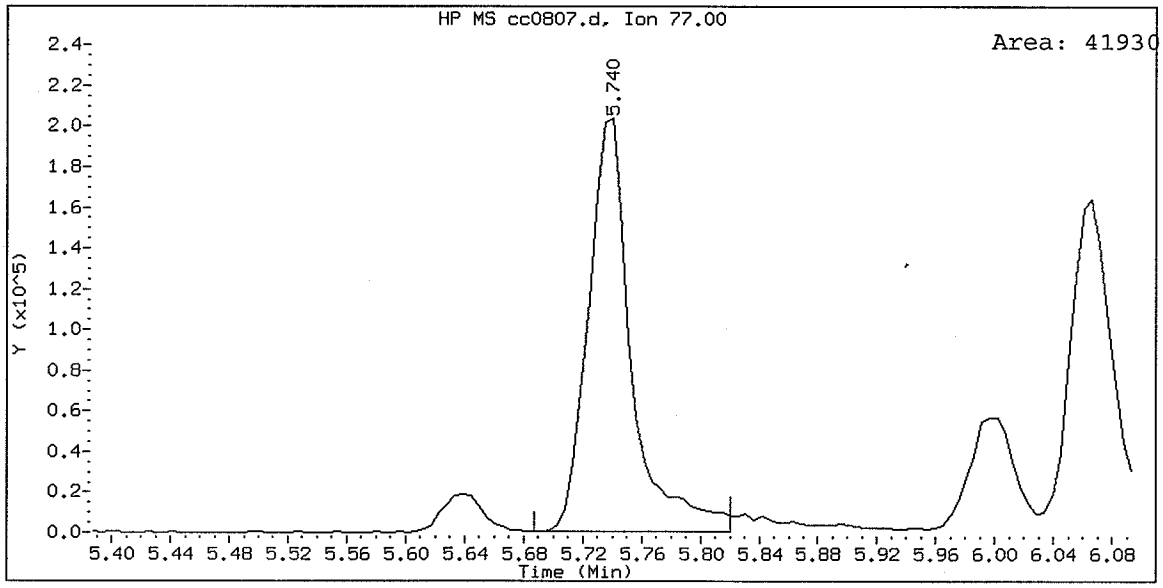




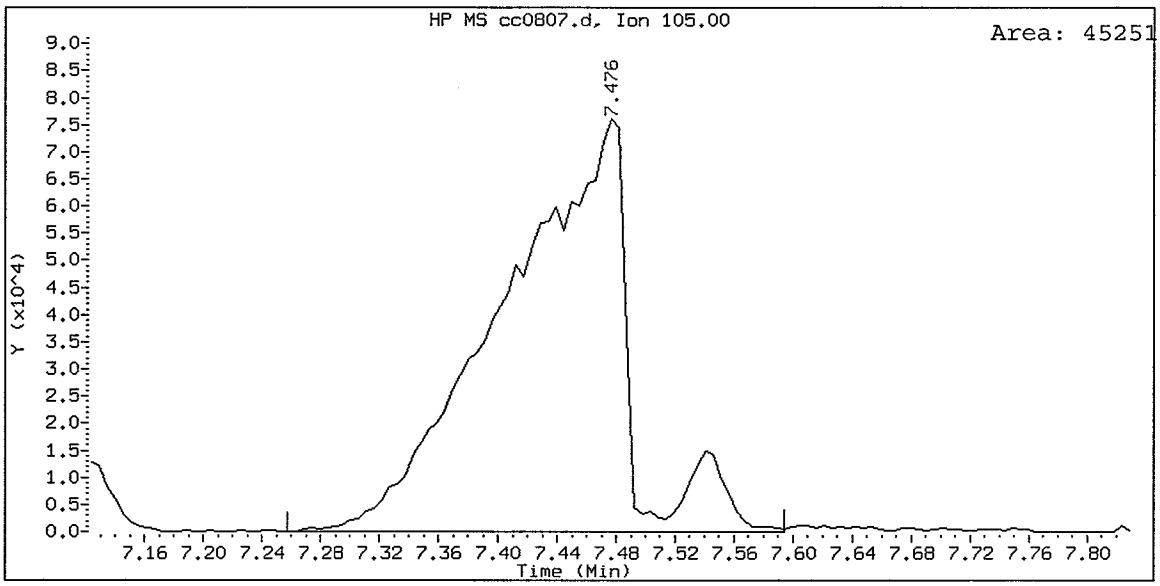
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzyl alcohol Amount: 22.76

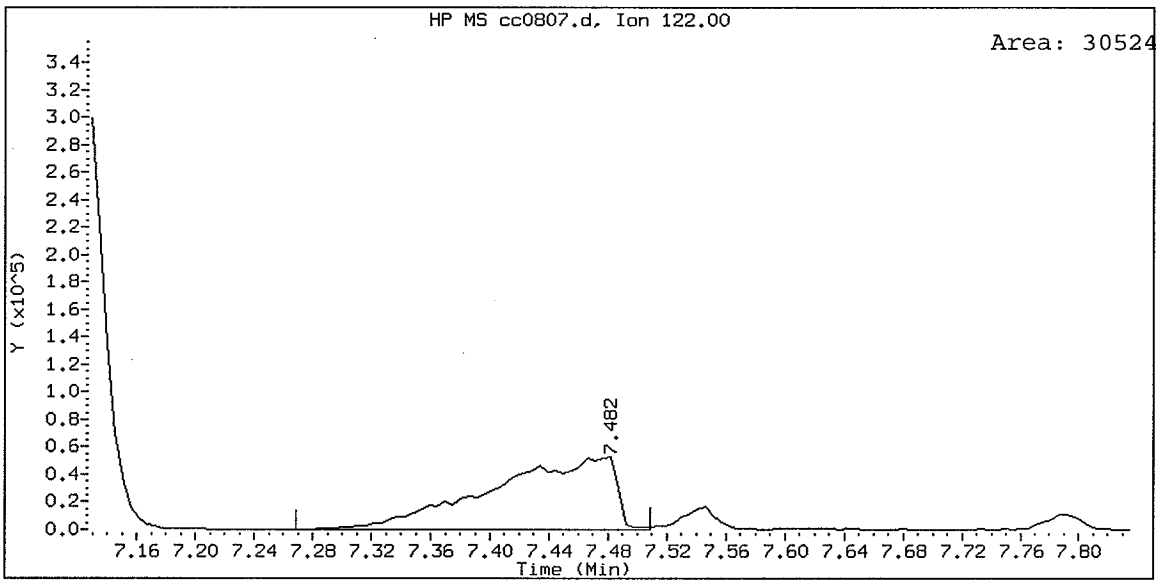


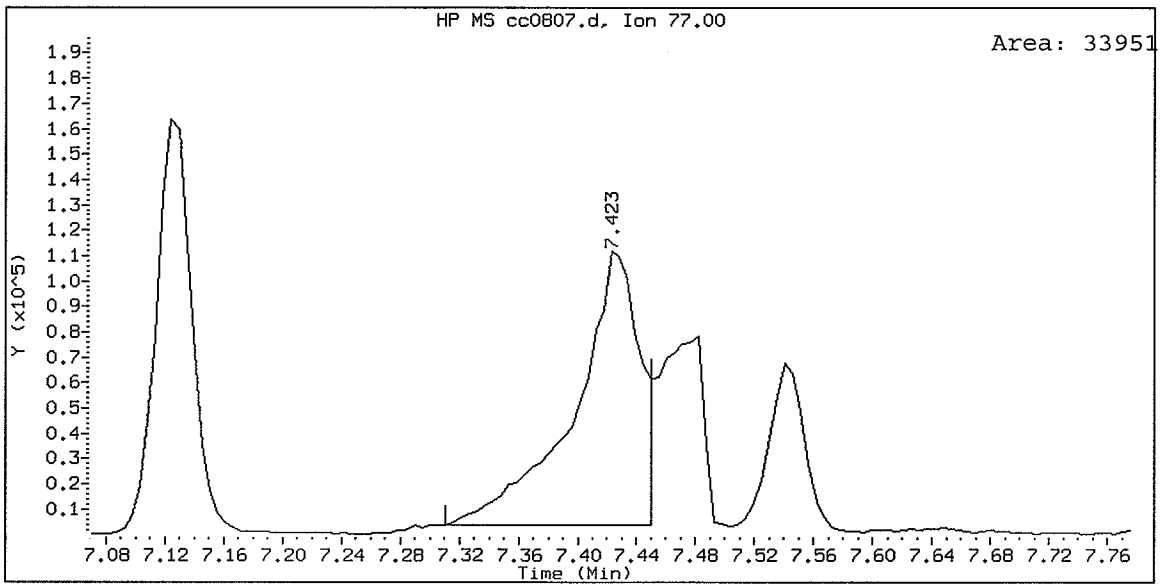




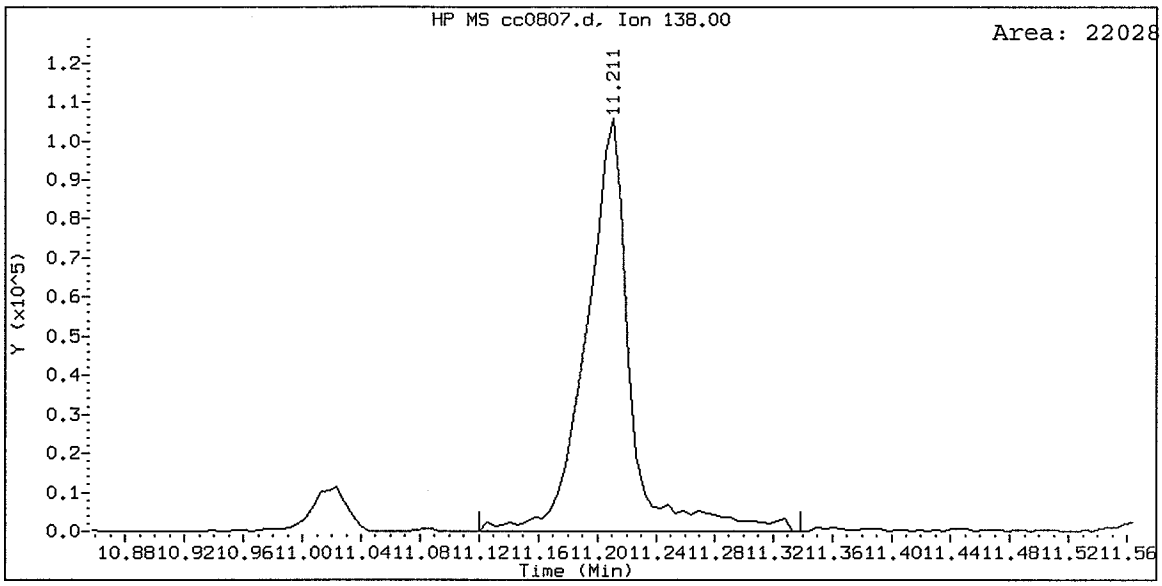
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzoic acid Amount: 33.76

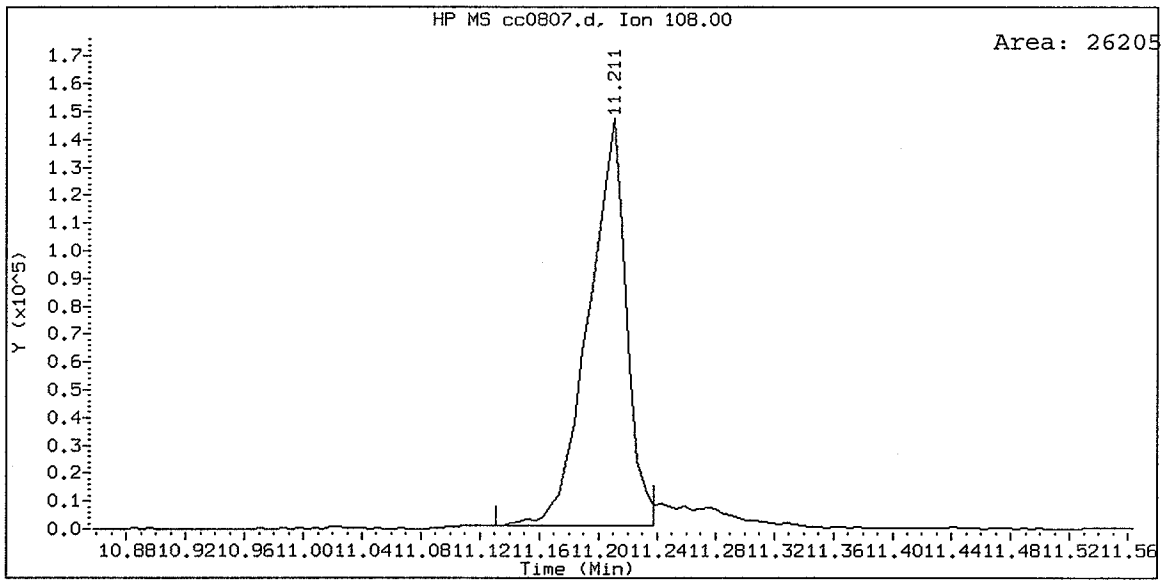


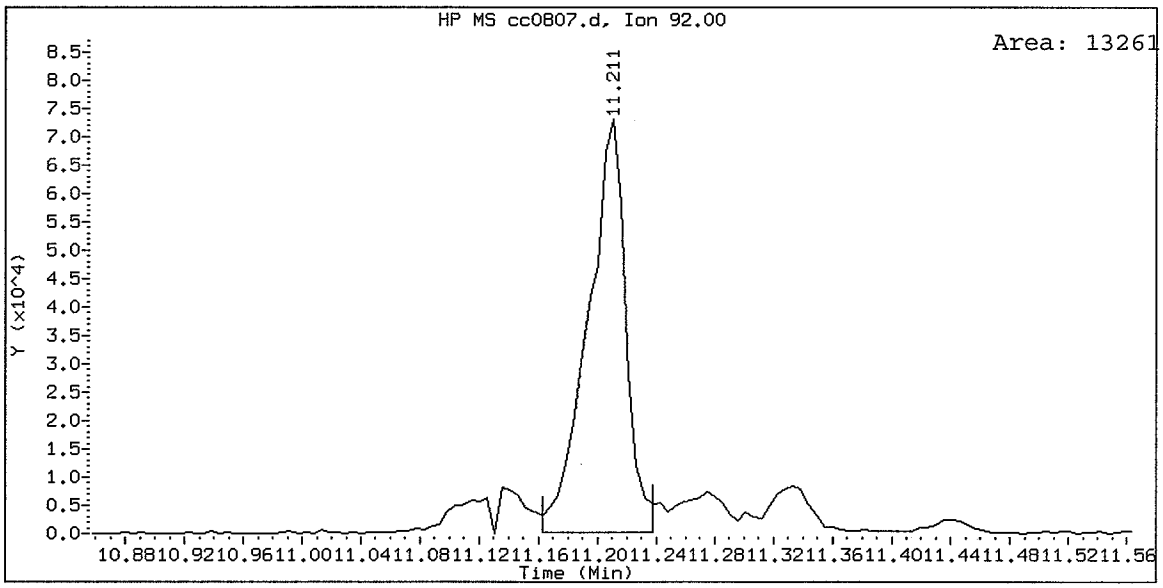




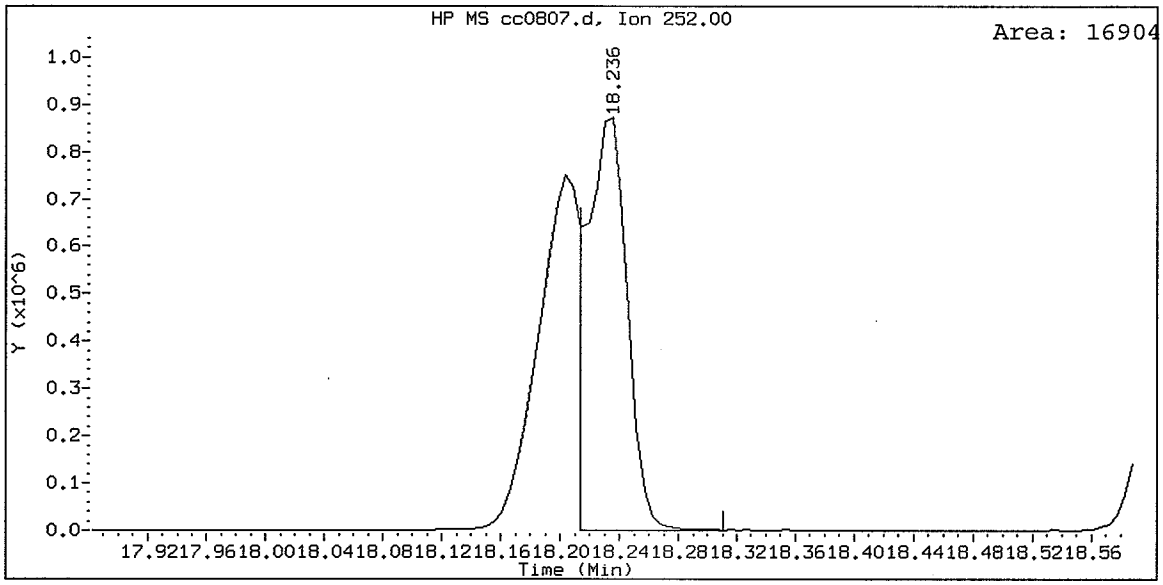
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
4-Nitroaniline Amount: 22.66

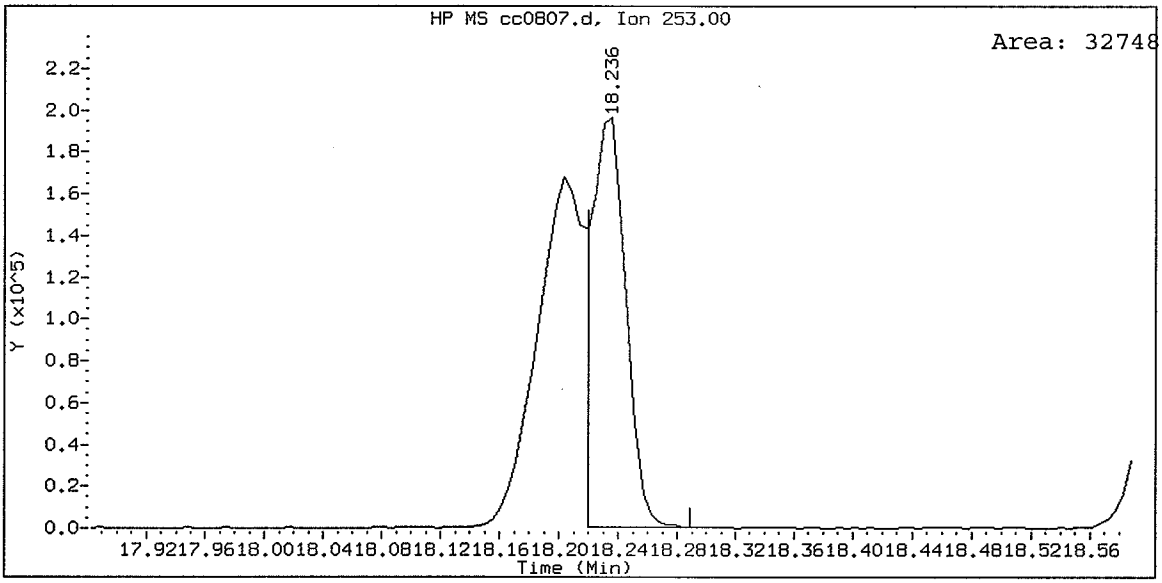


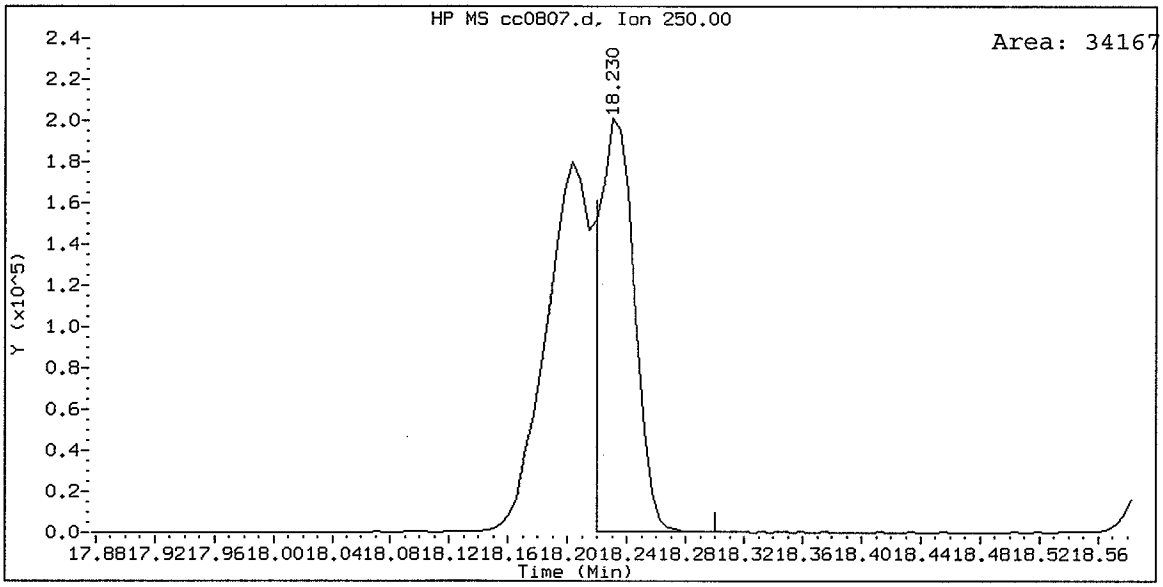




ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Benzo(k)fluoranthene Amount: 32.75







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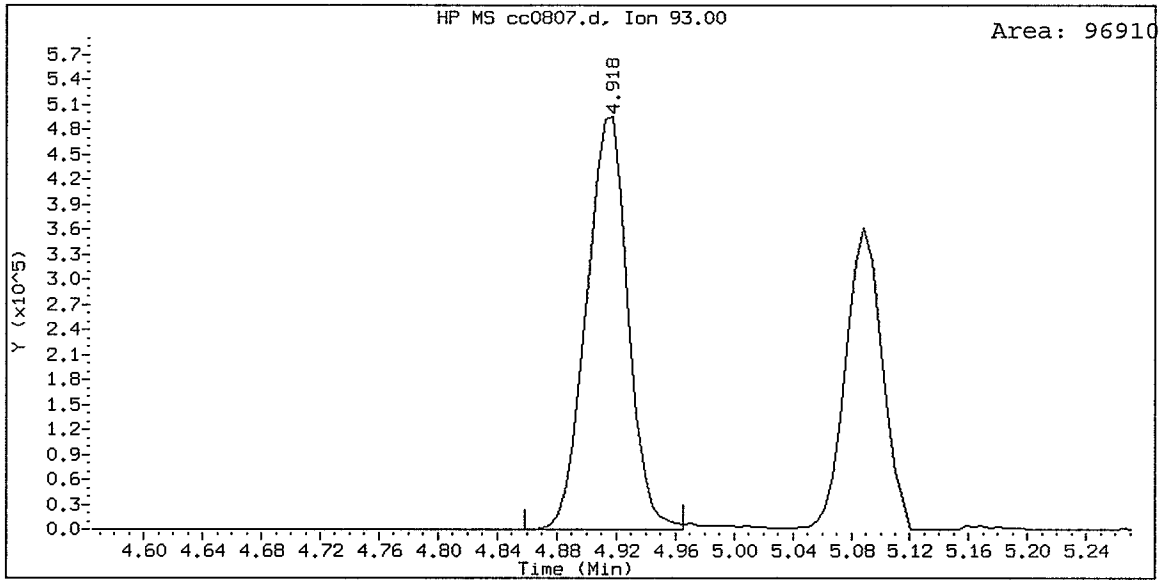
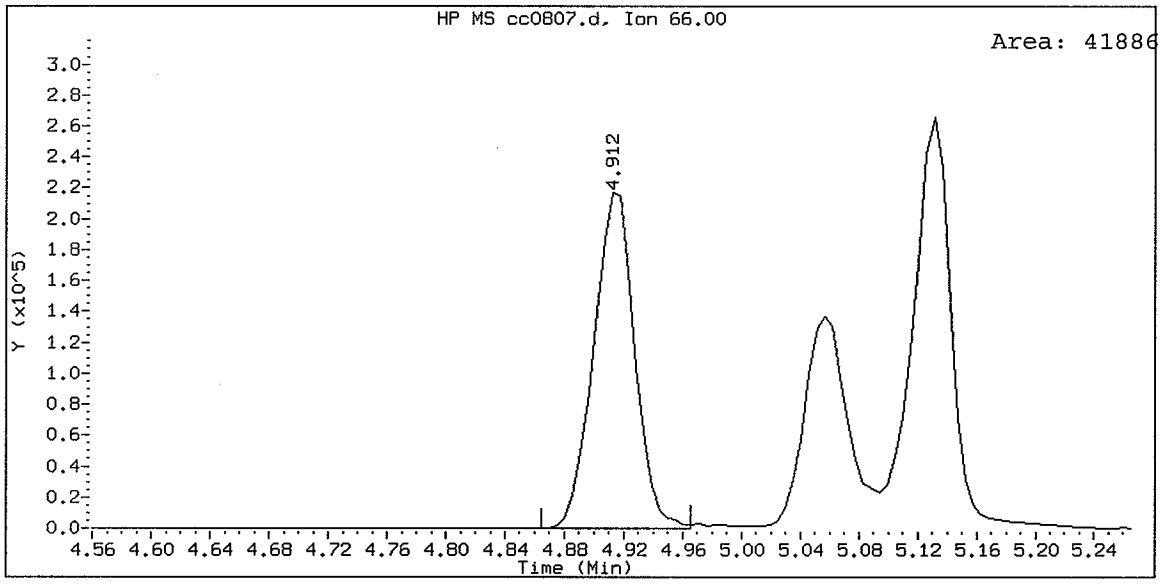
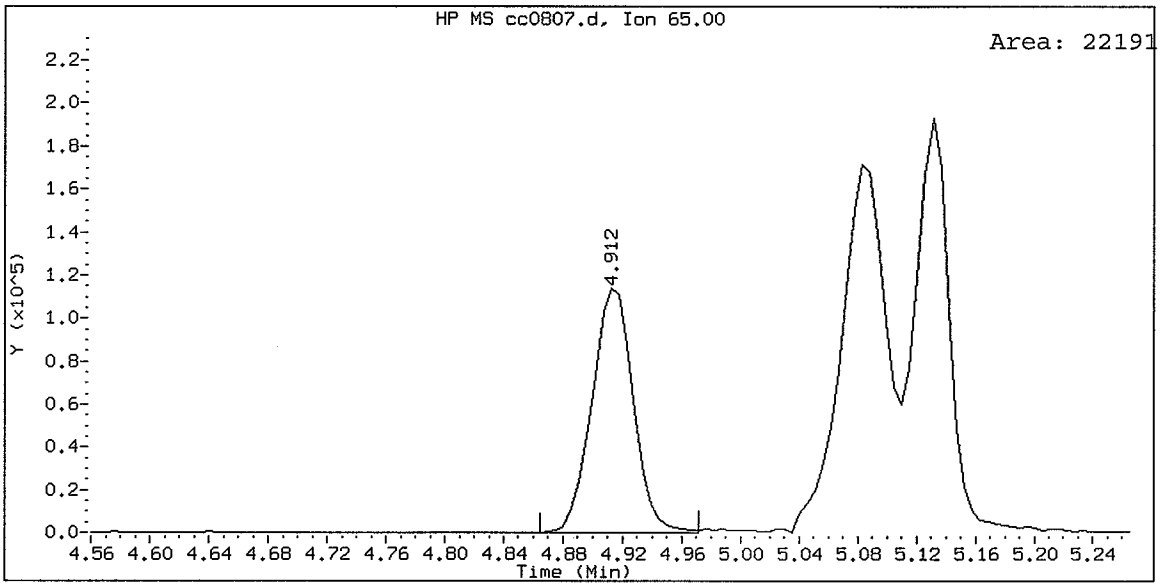
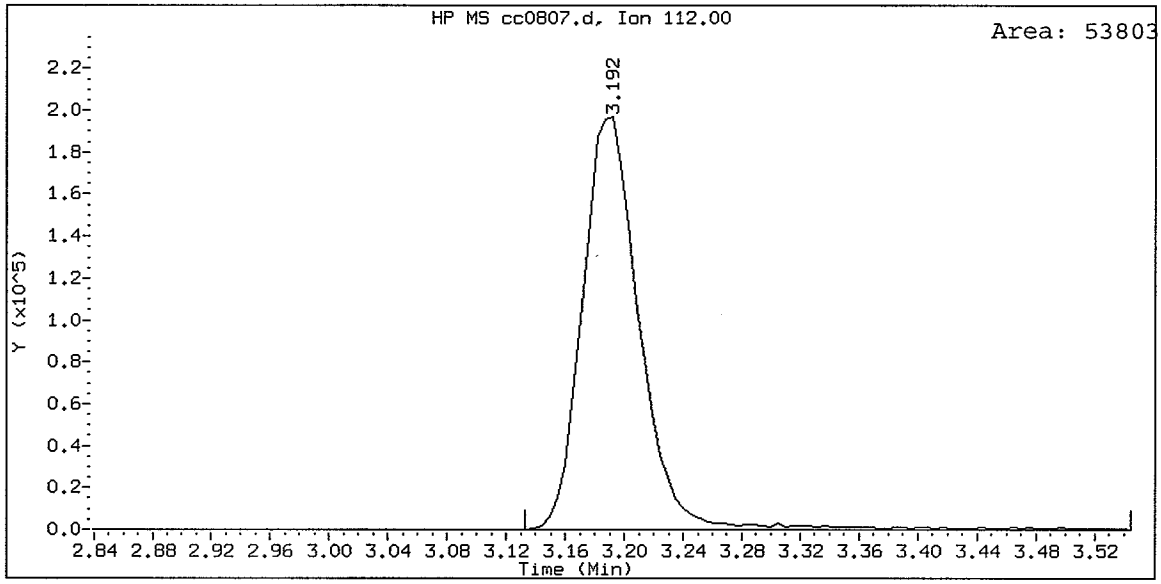
Aniline Amount: 23.10

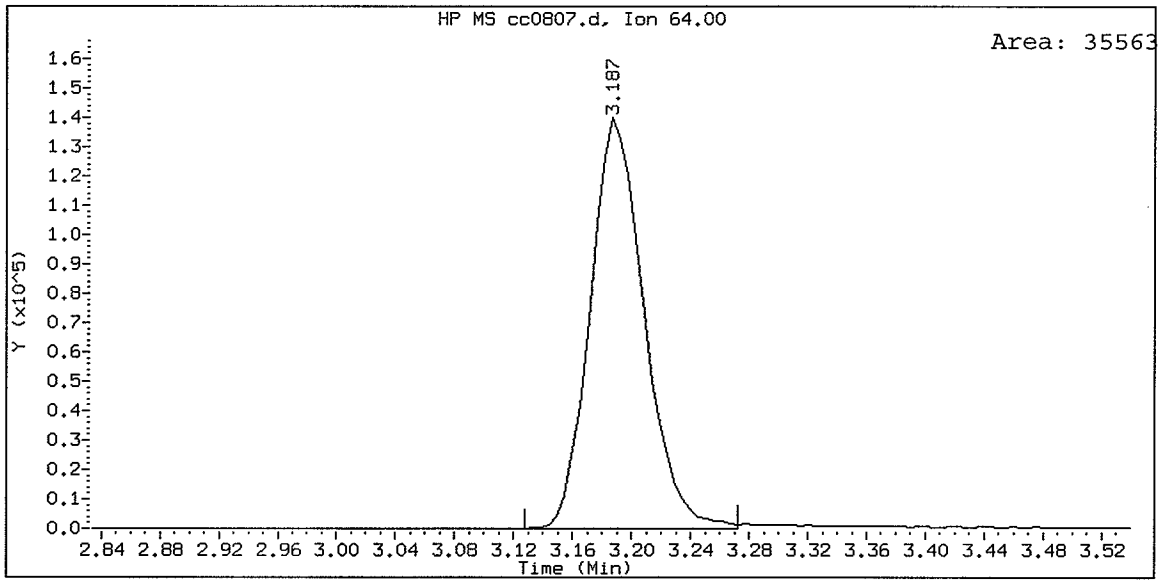




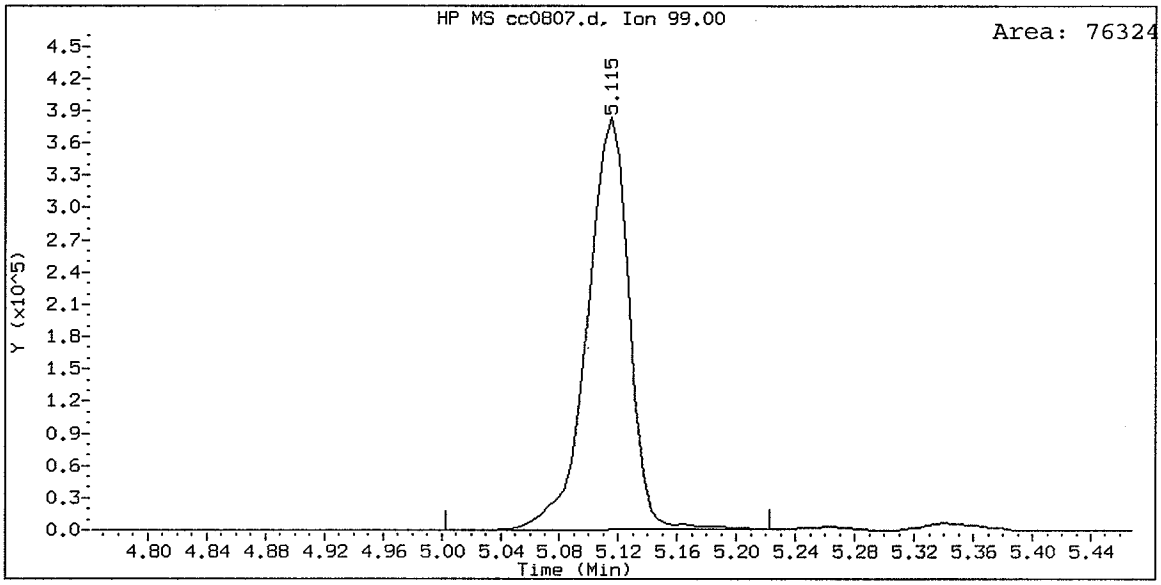


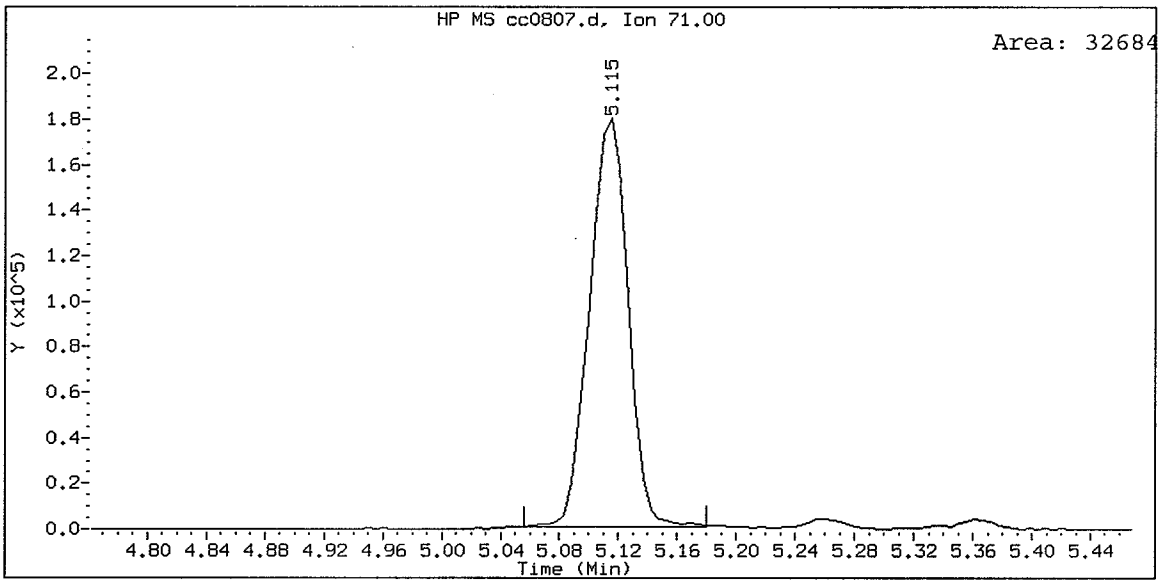
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
2-Fluorophenol Amount: 22.86

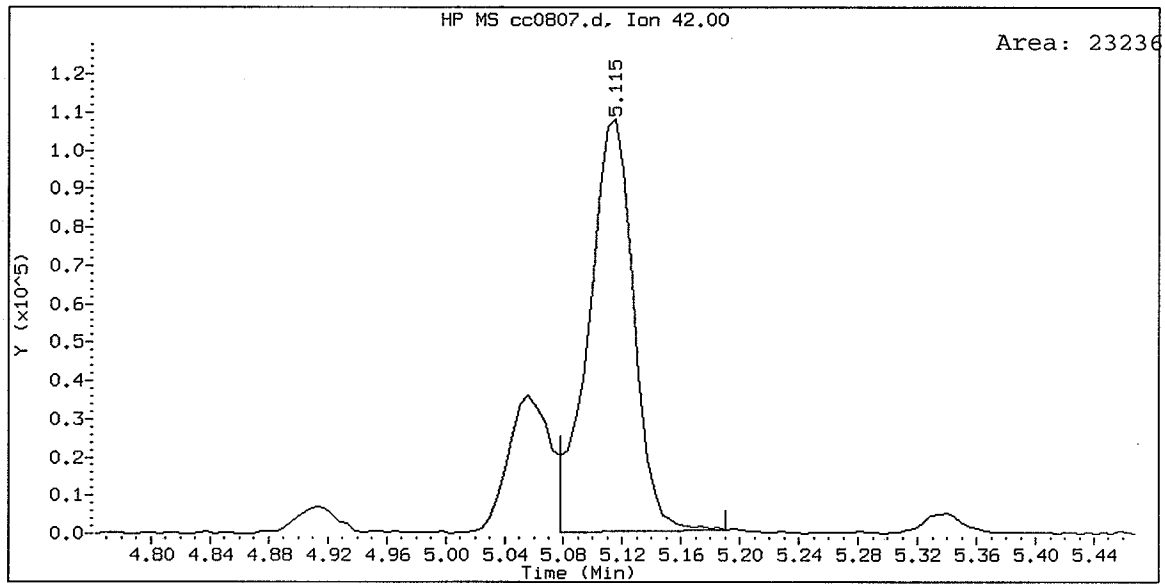




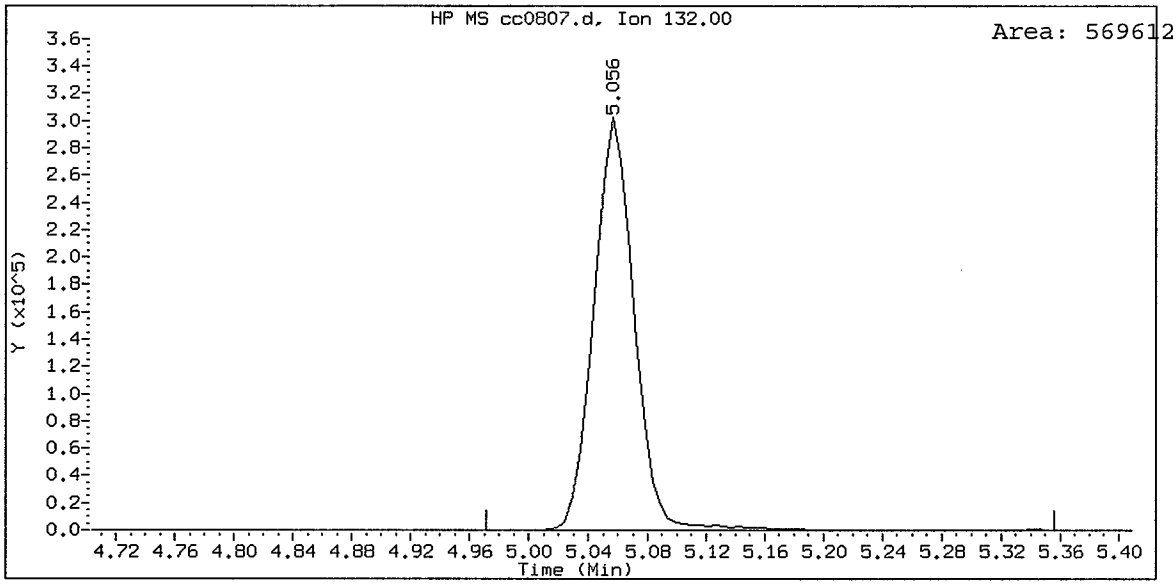
ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
Phenol-d5 Amount: 26.76

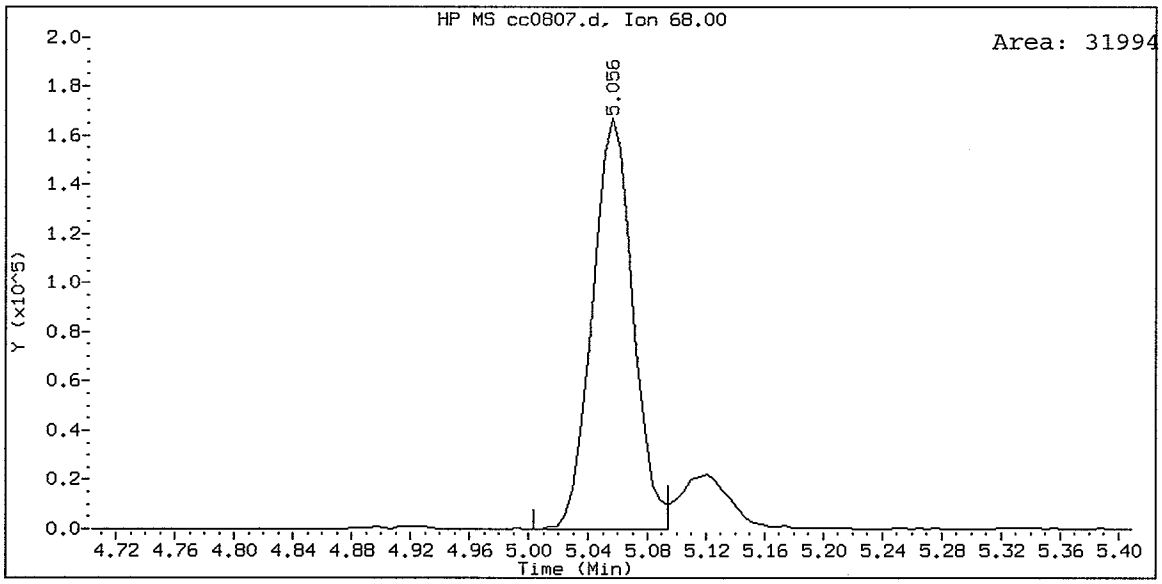


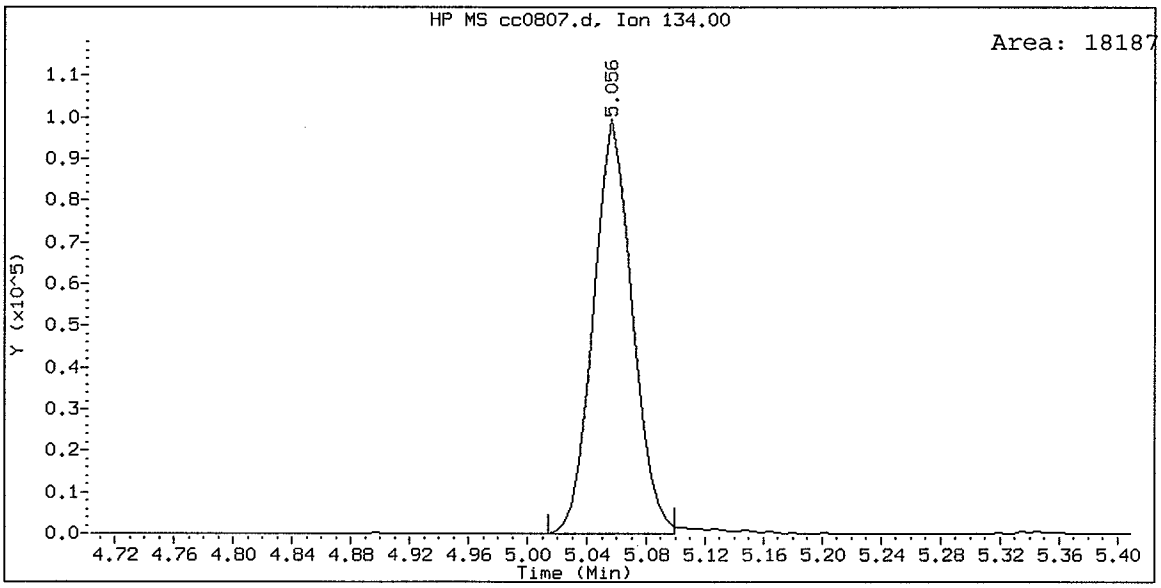




ABN 25, /chem1/nt6.i/20060807.b/cc0807.d
2-Chlorophenol-d4 Amount: 23.55







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

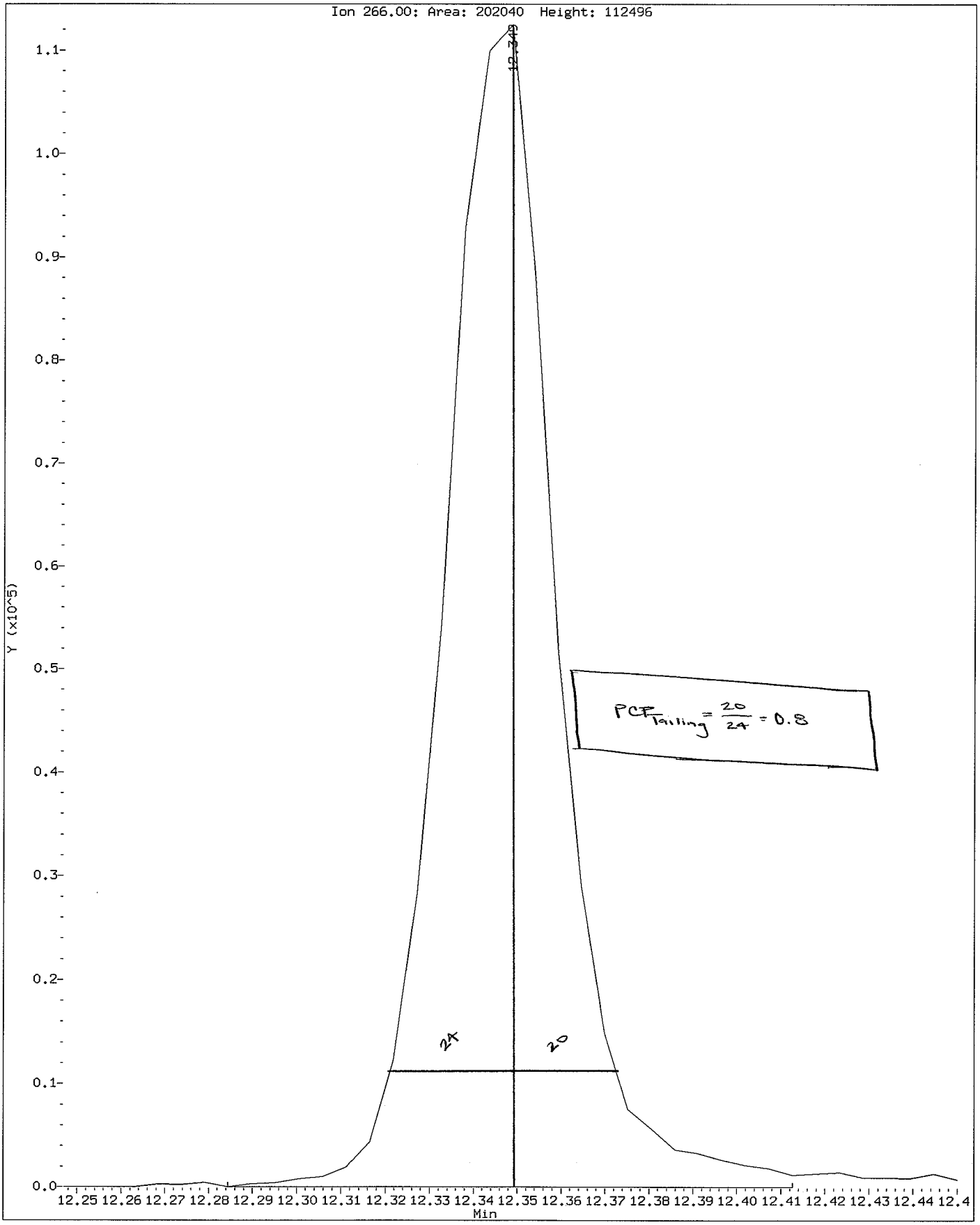
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(\ 0 + 30314) * 100}{(\ 0 + 30314 + 466476)}$$

DDT Percent Breakdown = 6.1 %

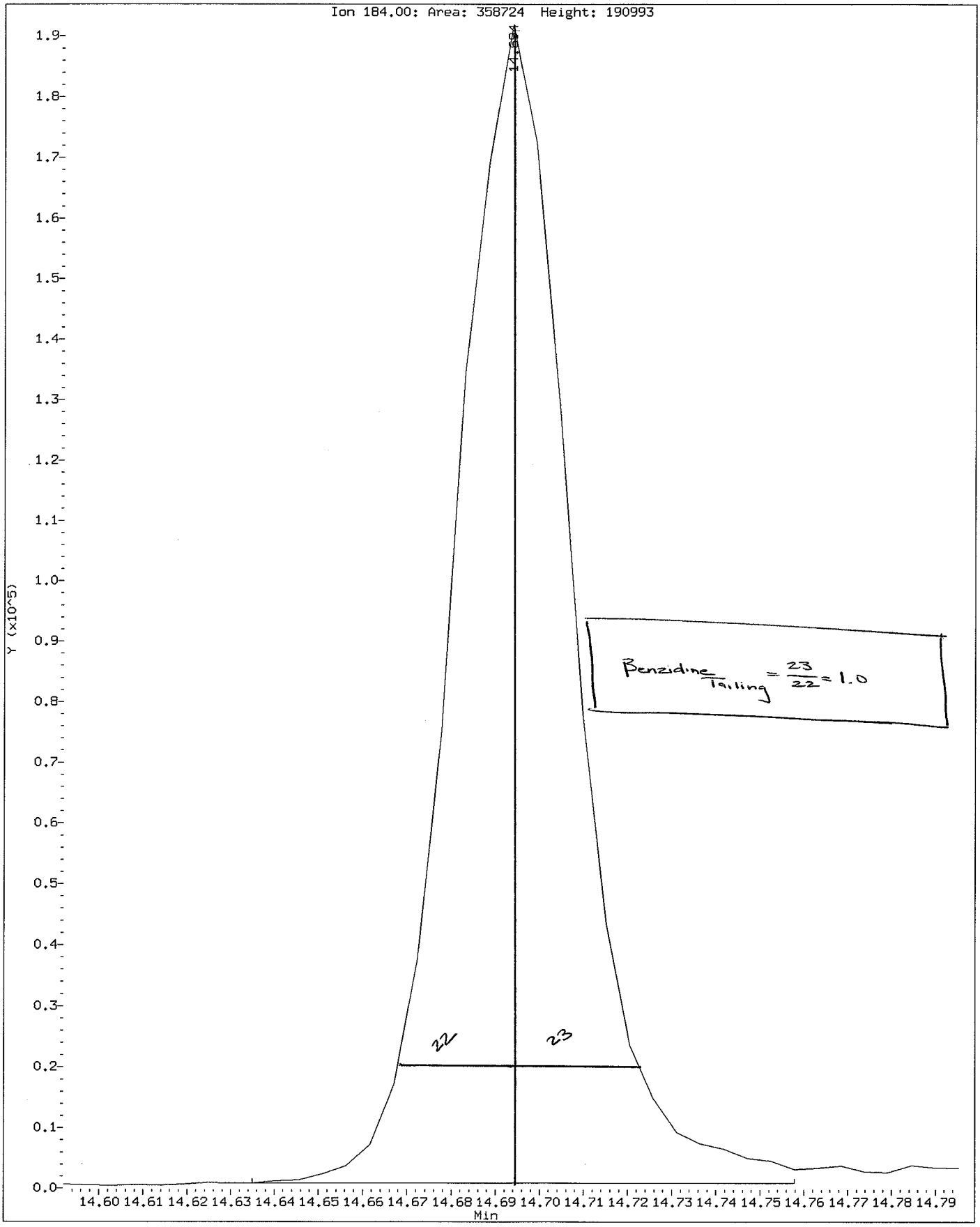
Data File: /chem1/nt6.i/20060807.b/ddt.b/cc0807.d
Injection Date: 07-AUG-2006 09:54
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



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

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

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

LJR 8/9/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	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)	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:

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	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

		RT LIMIT			
COMPOUND	STANDARD	LOWER	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

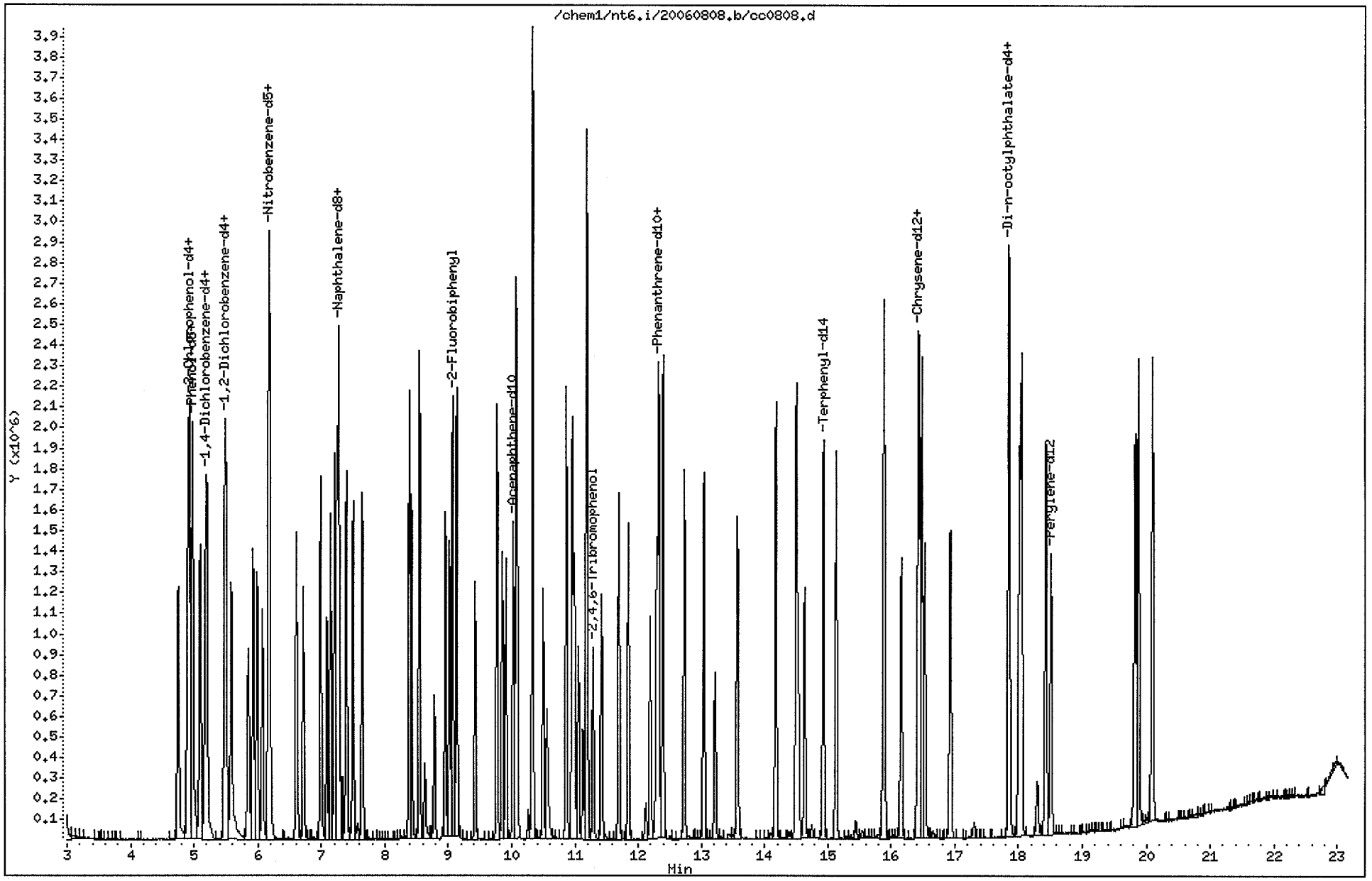
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060808.b/cc0808.d
Date : 08-AUG-2006 13:13
Client ID:
Sample Info: ABN 25

Instrument: nt6.i

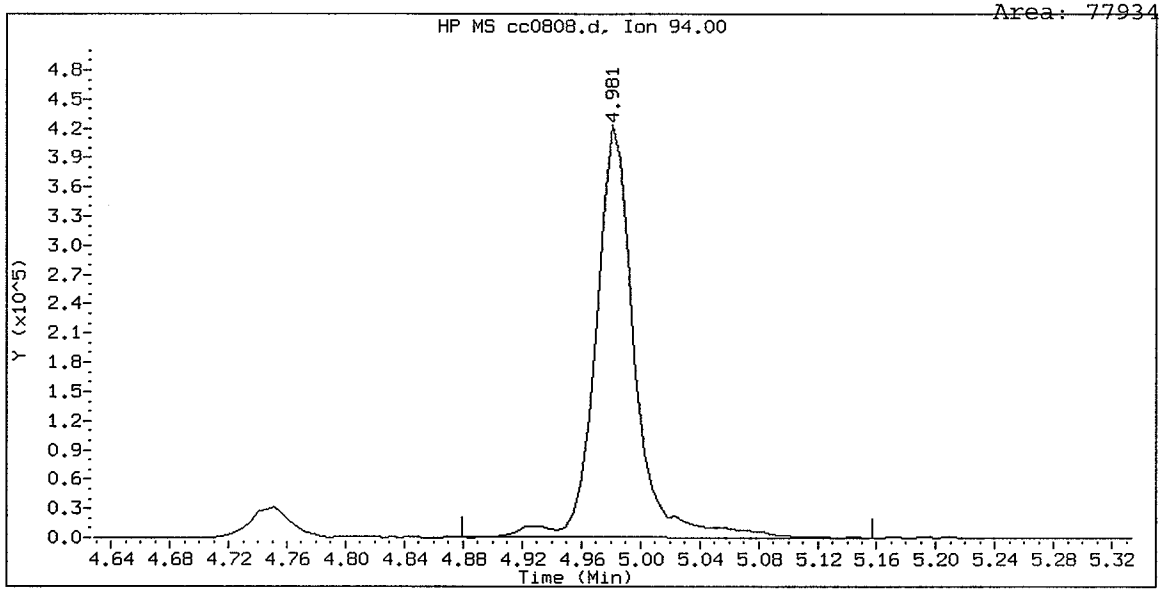
Operator: LJR
Column diameter: 0.32

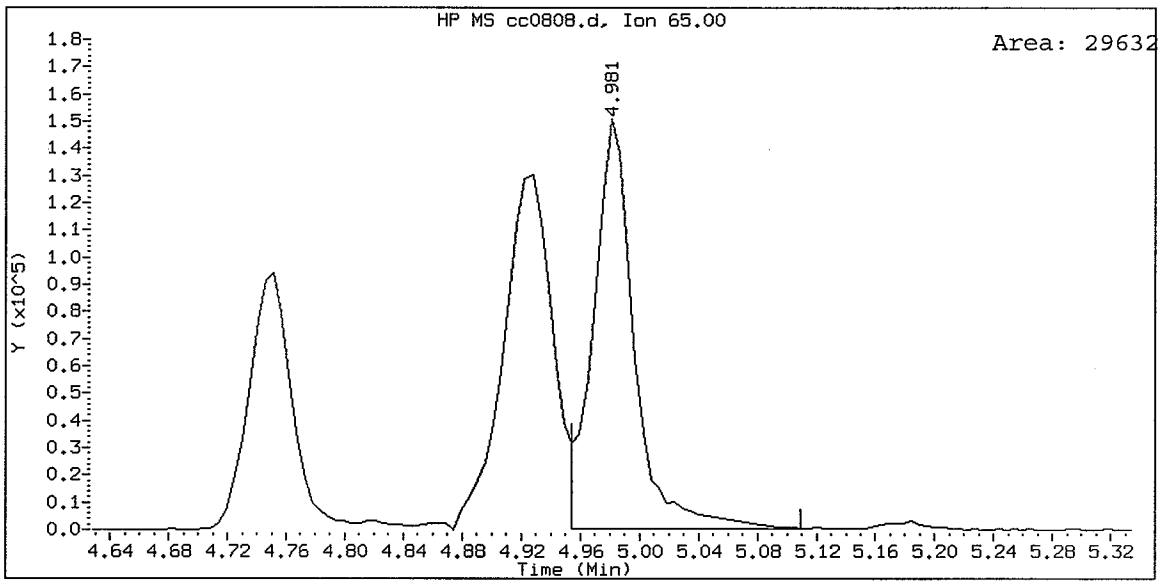
Column phase: ZB-5

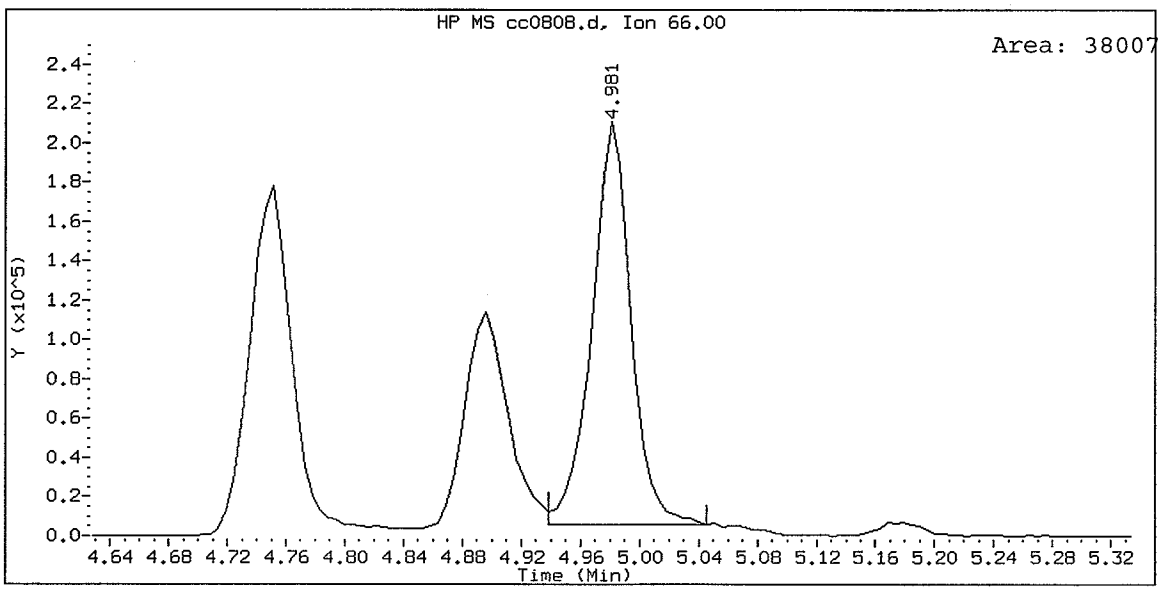


0518

ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Phenol Amount: 24.58







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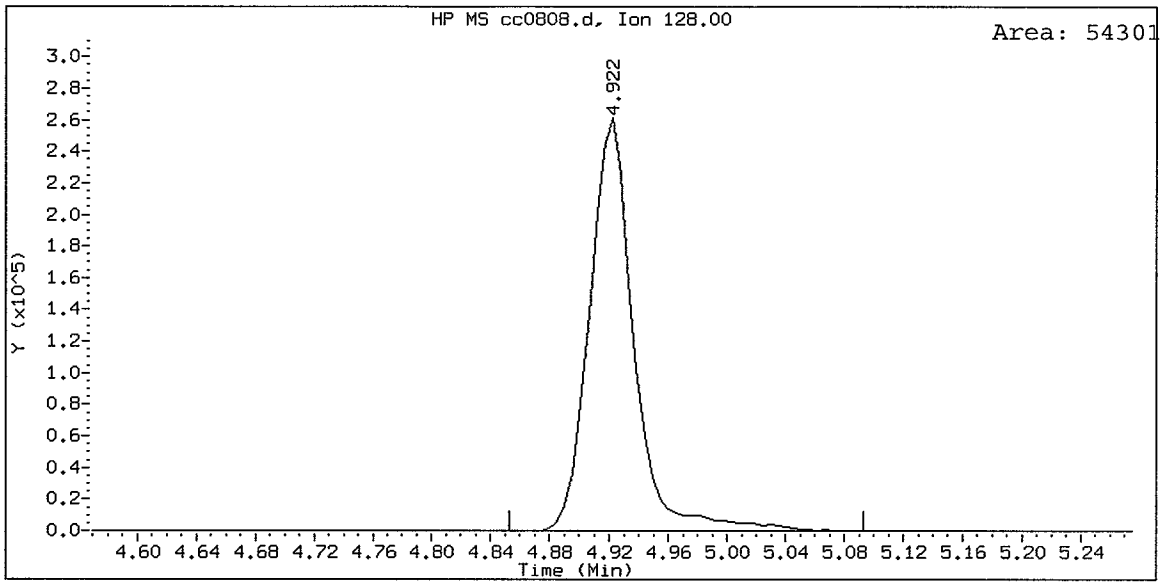
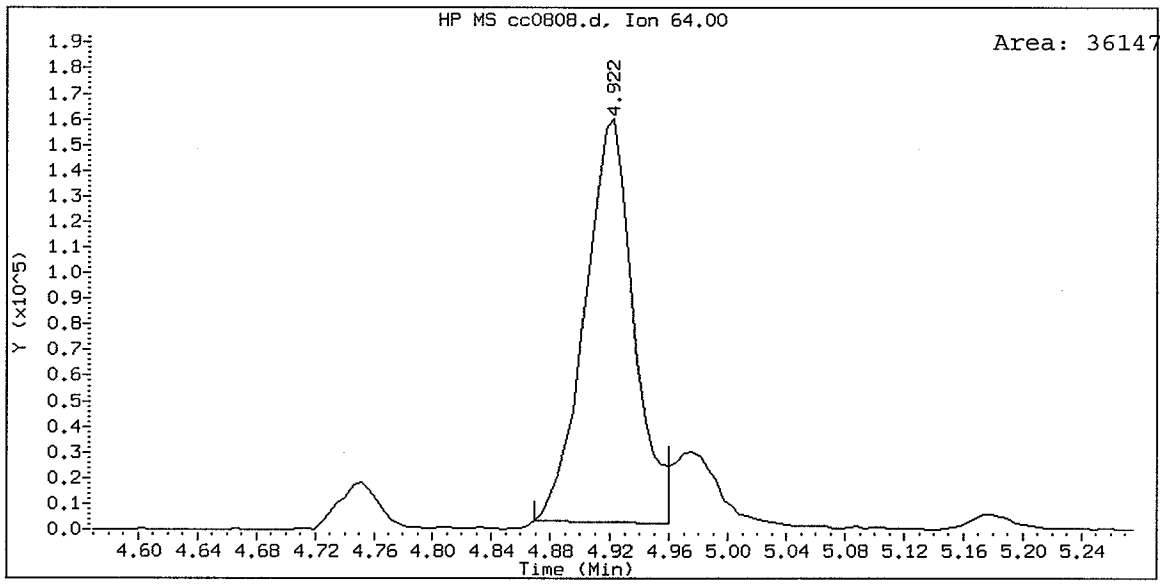
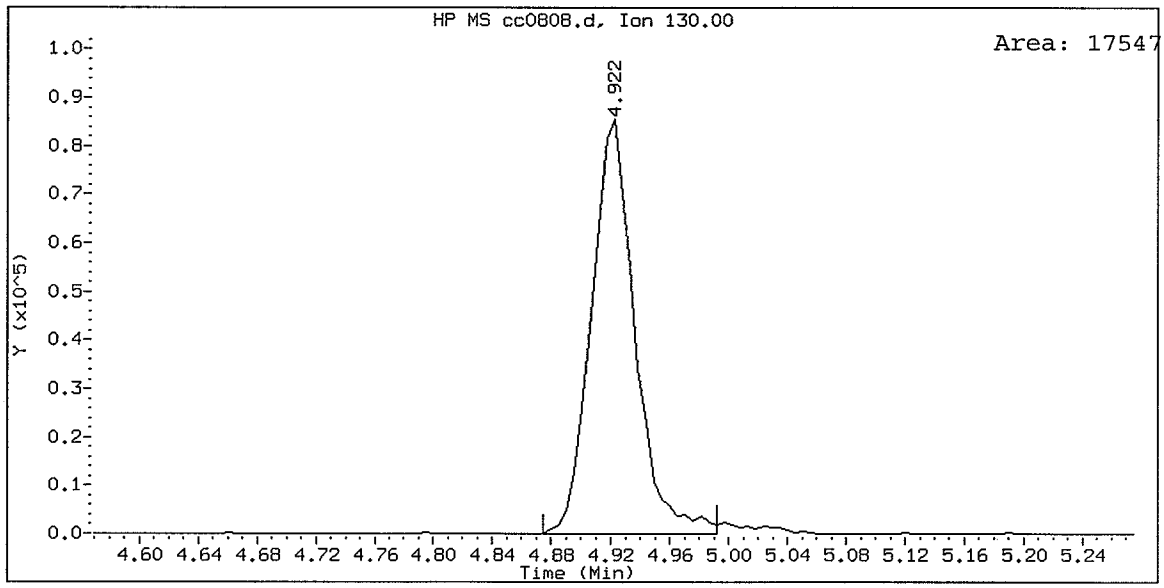
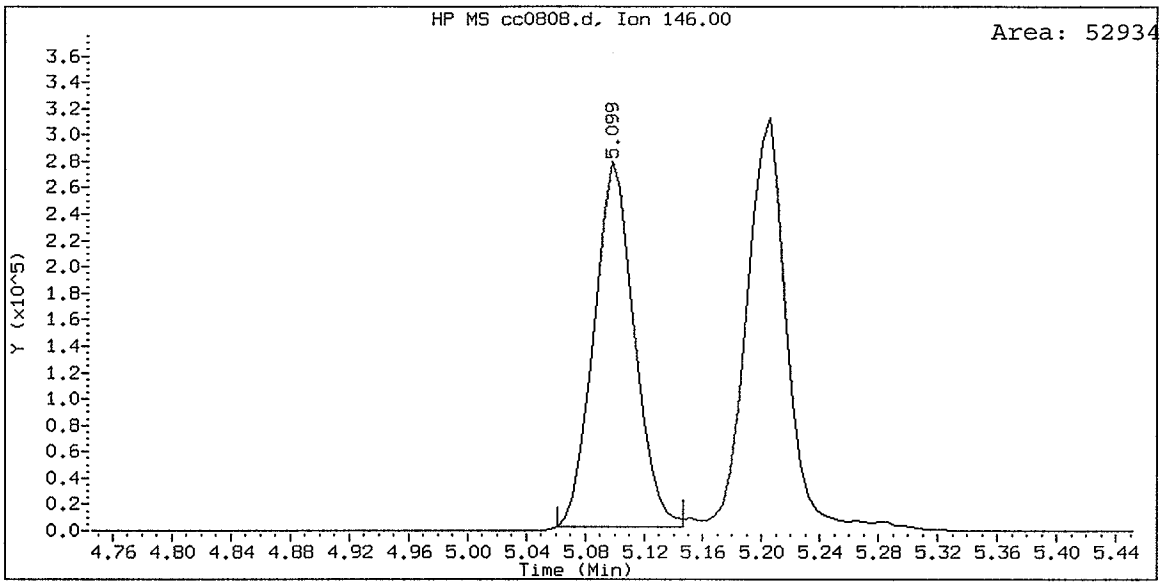
2-Chlorophenol Amount: 24.89

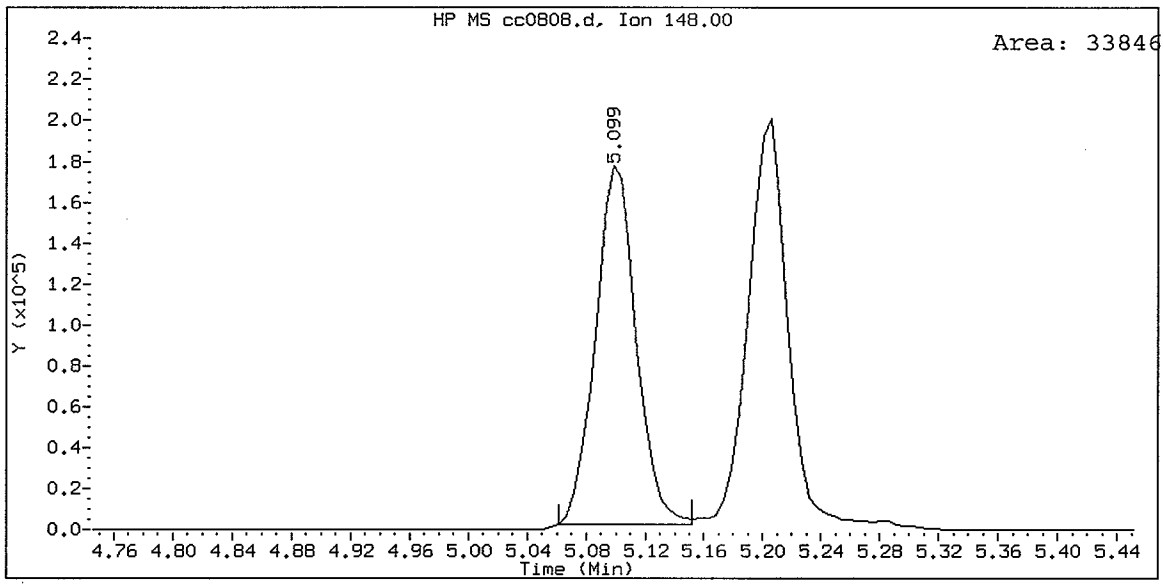


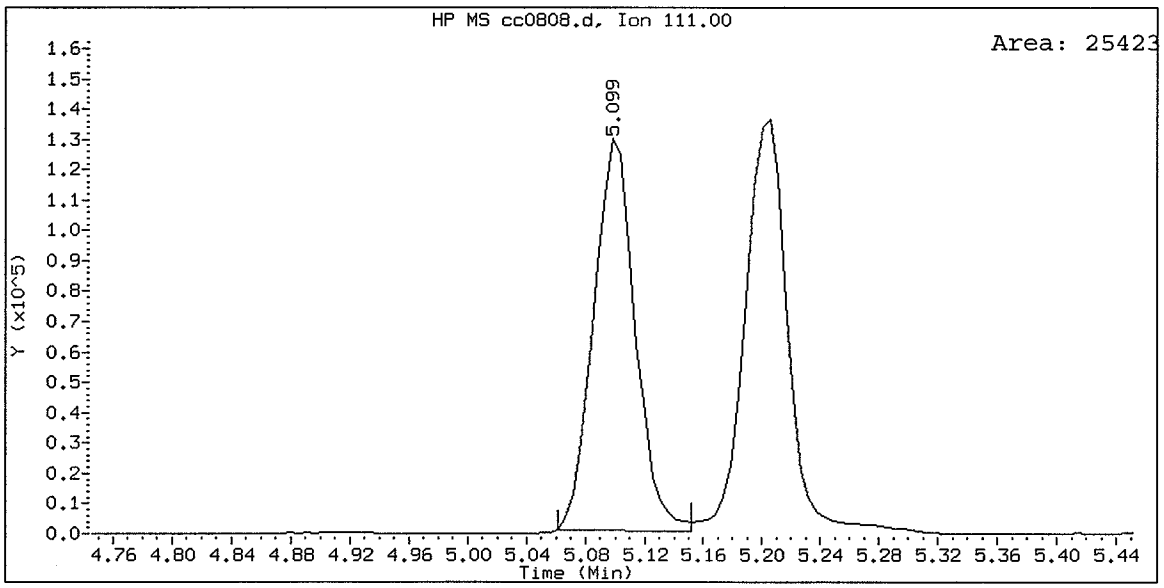




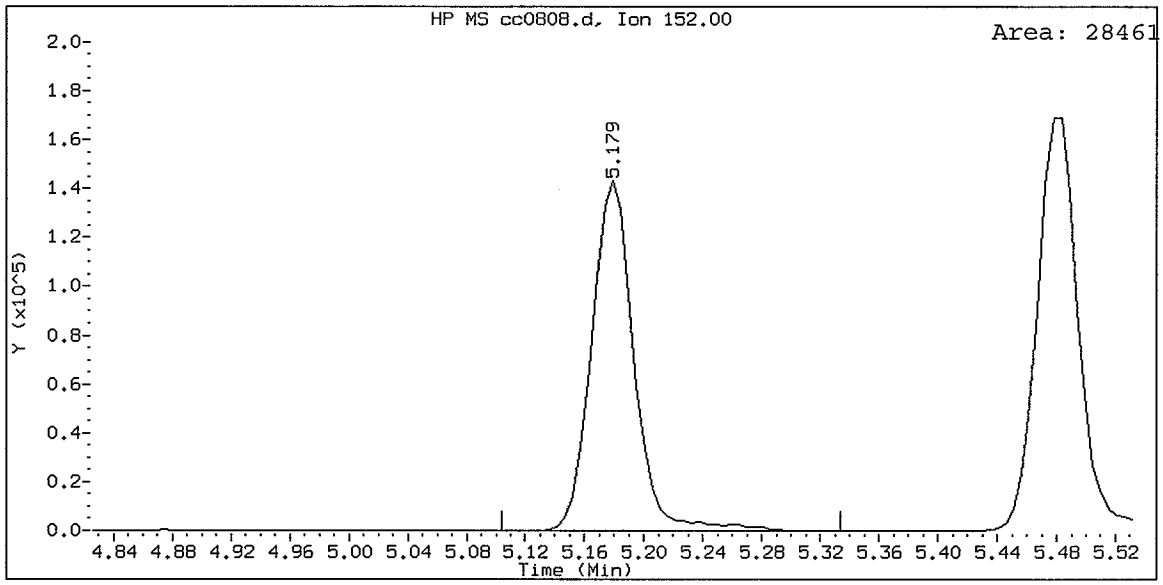
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,3-Dichlorobenzene Amount: 22.32

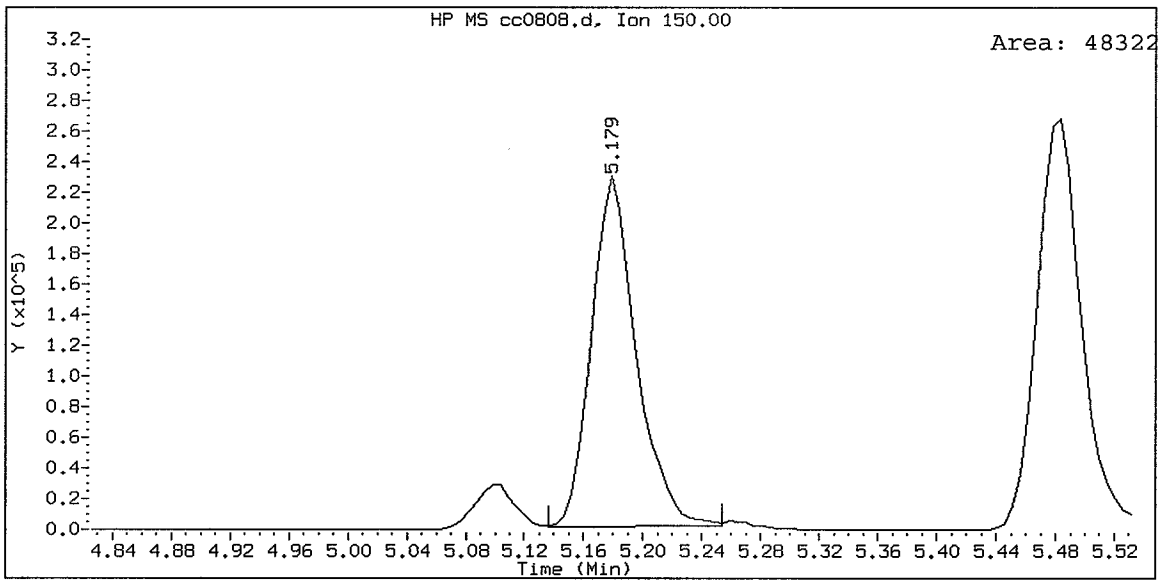


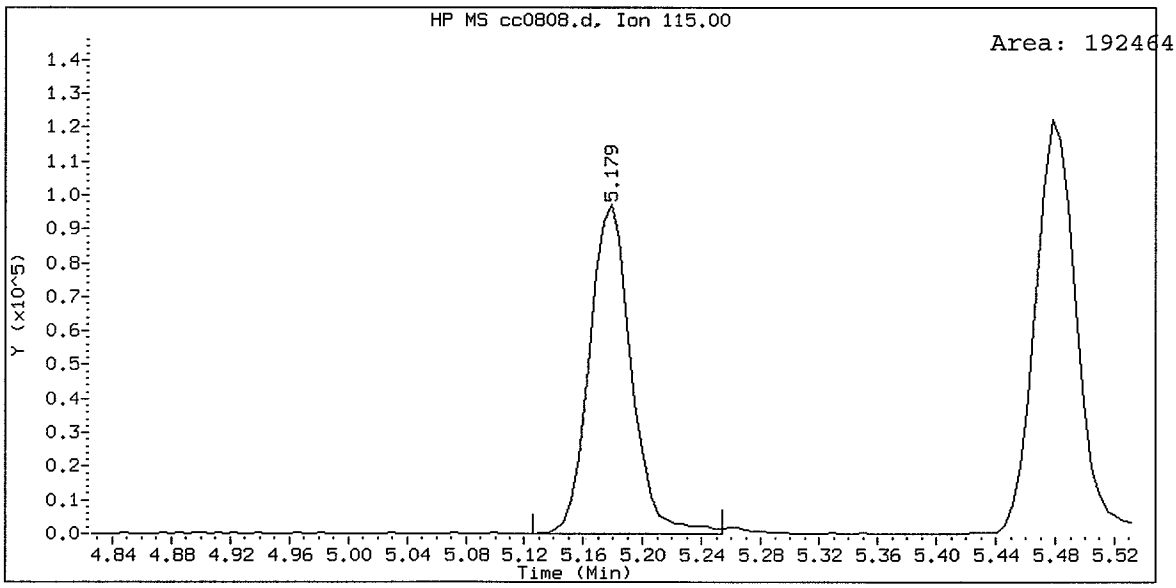




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,4-Dichlorobenzene-d4 Amount: 20.00







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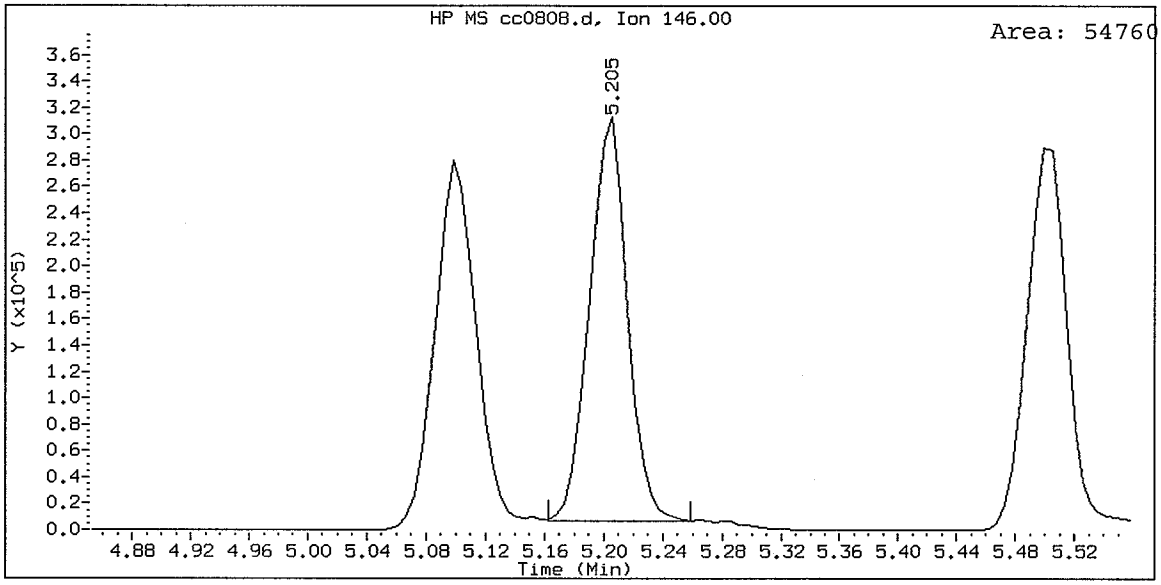
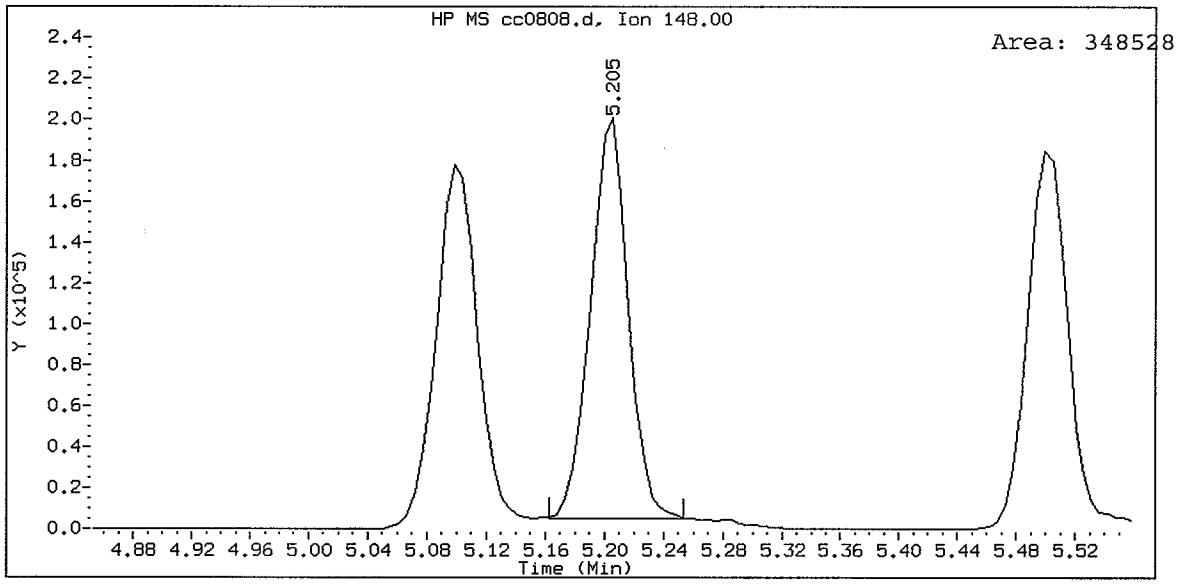
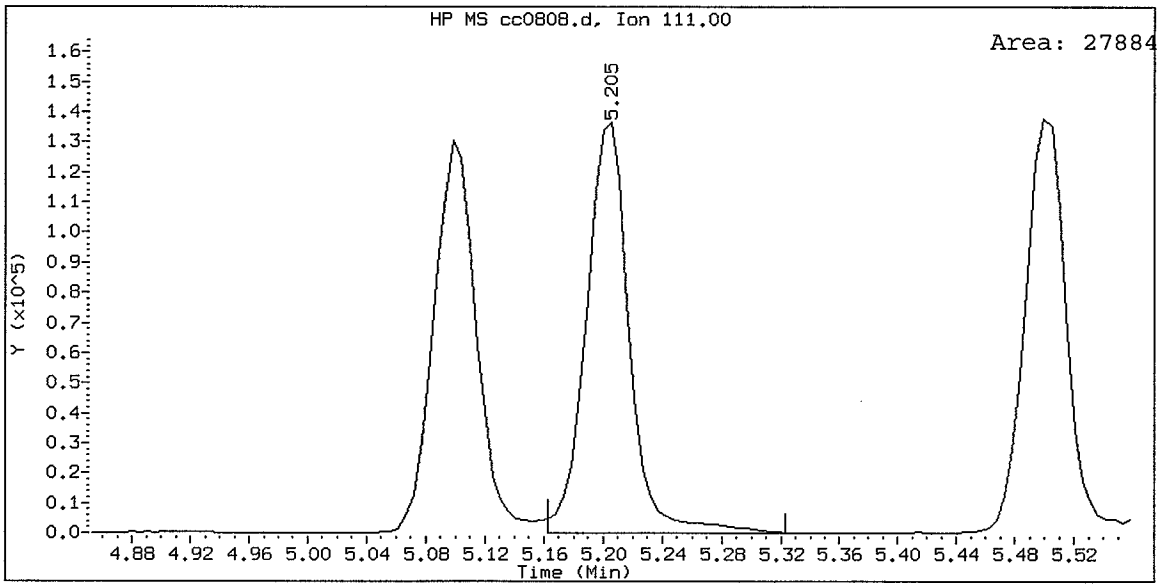
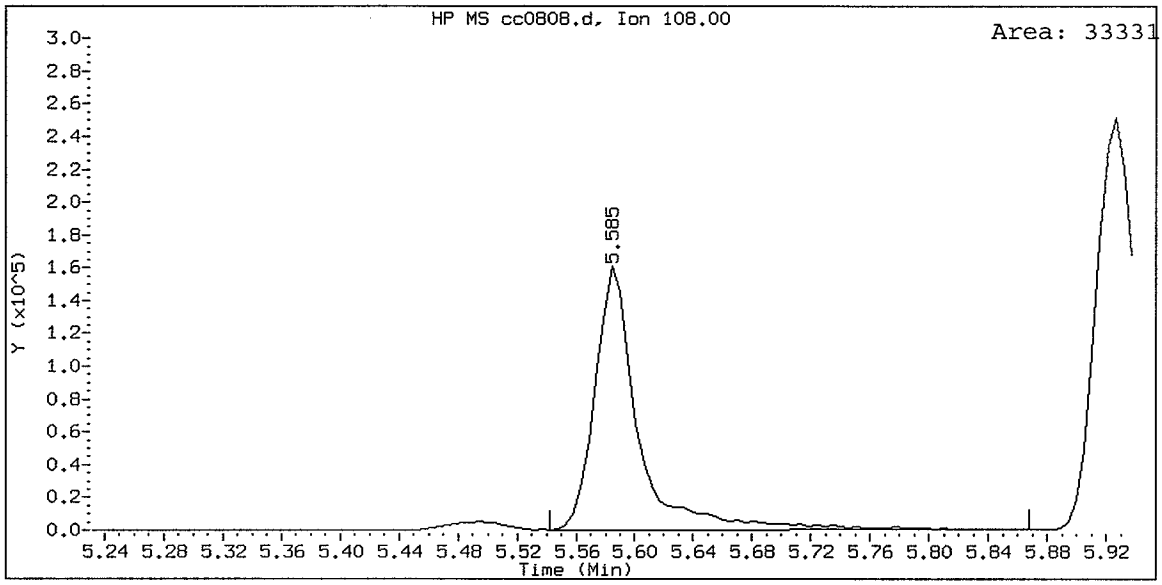
1,4-Dichlorobenzene Amount: 22.47

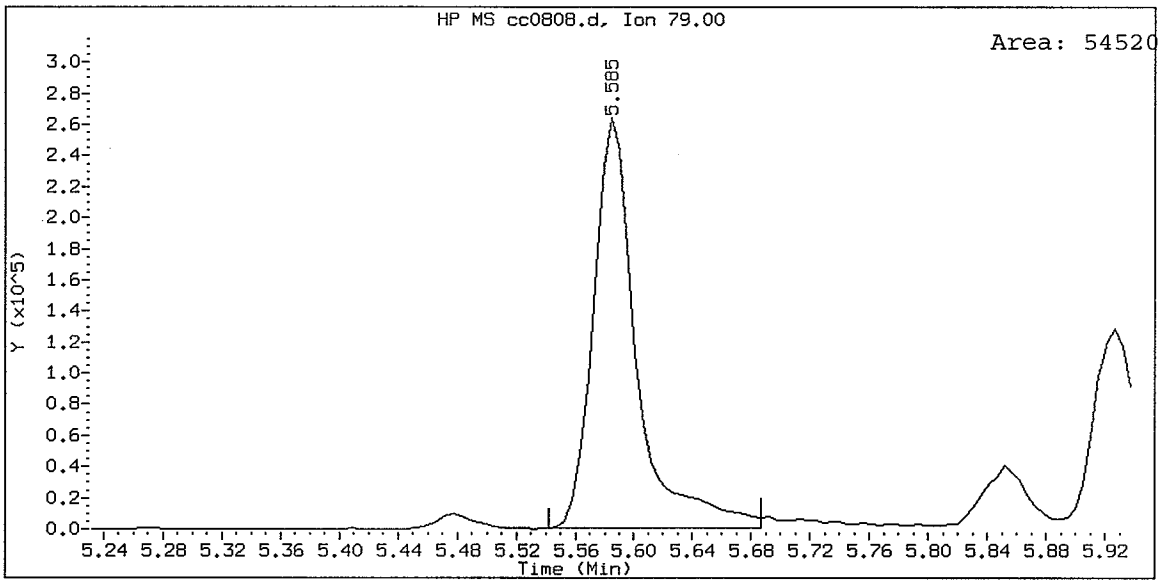


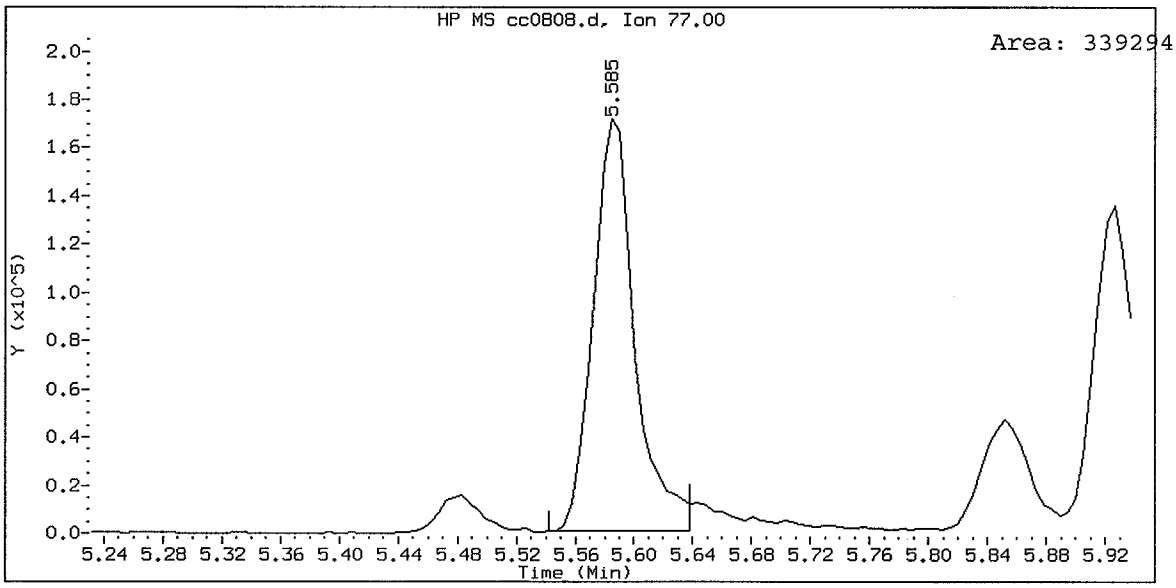




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzyl alcohol Amount: 22.06







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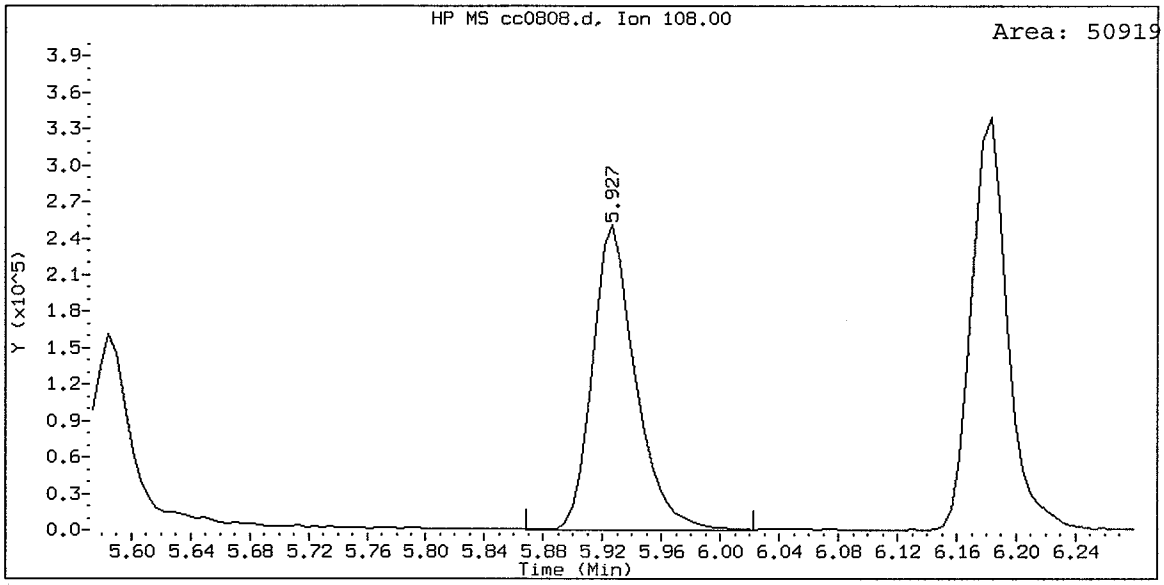
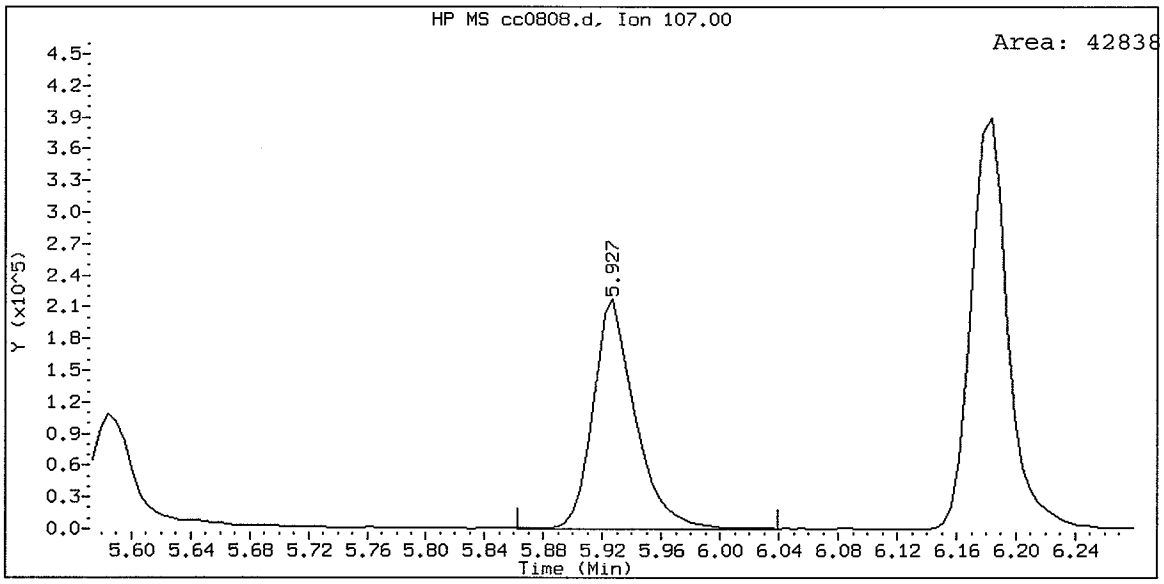
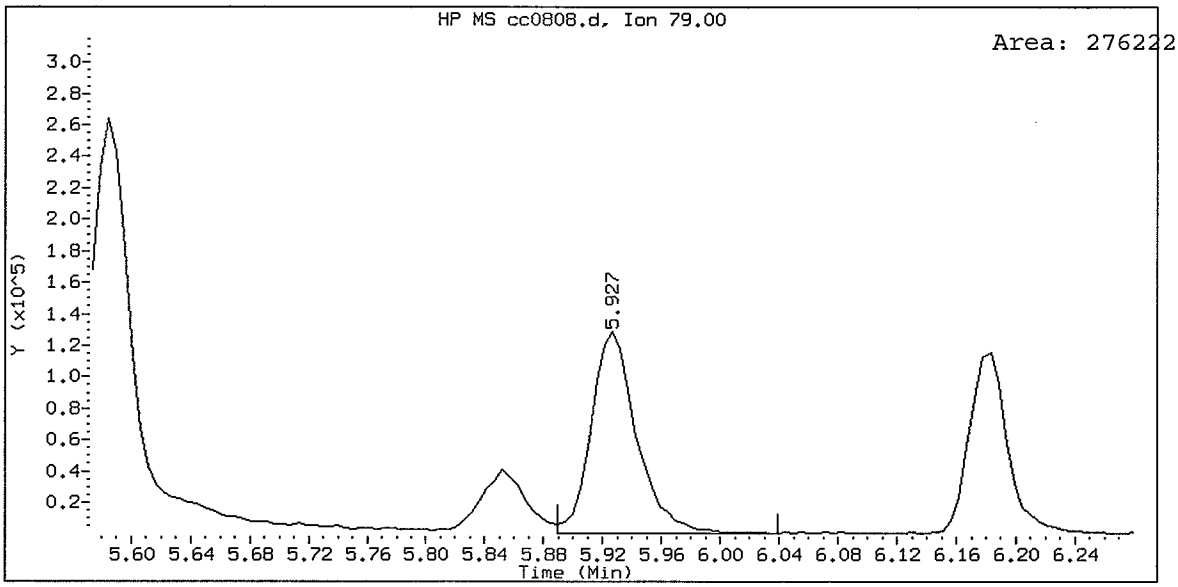
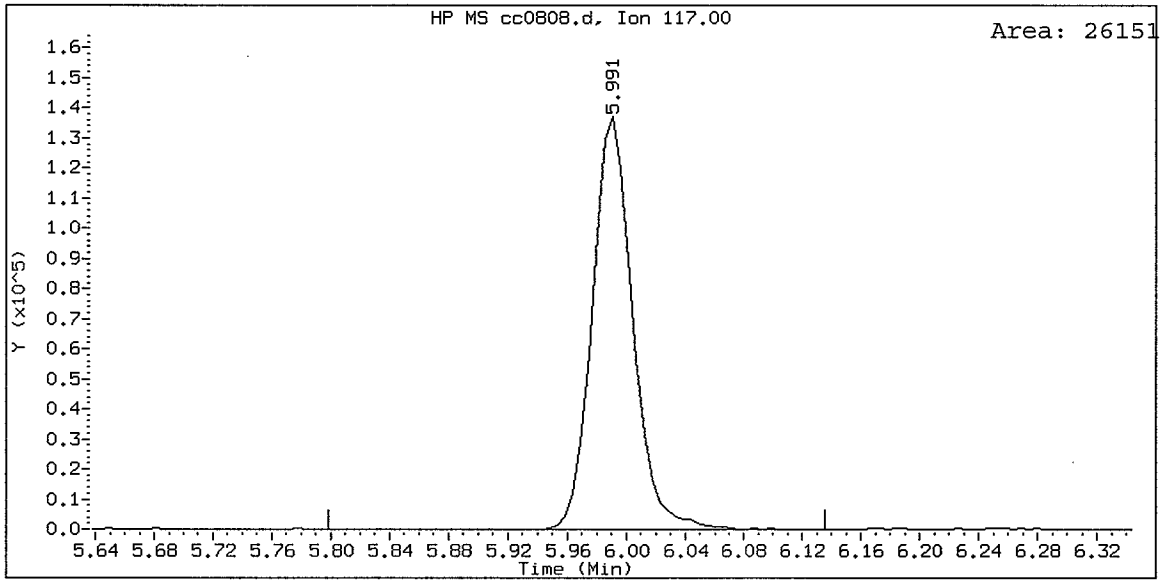
2-Methylphenol Amount: 24.41

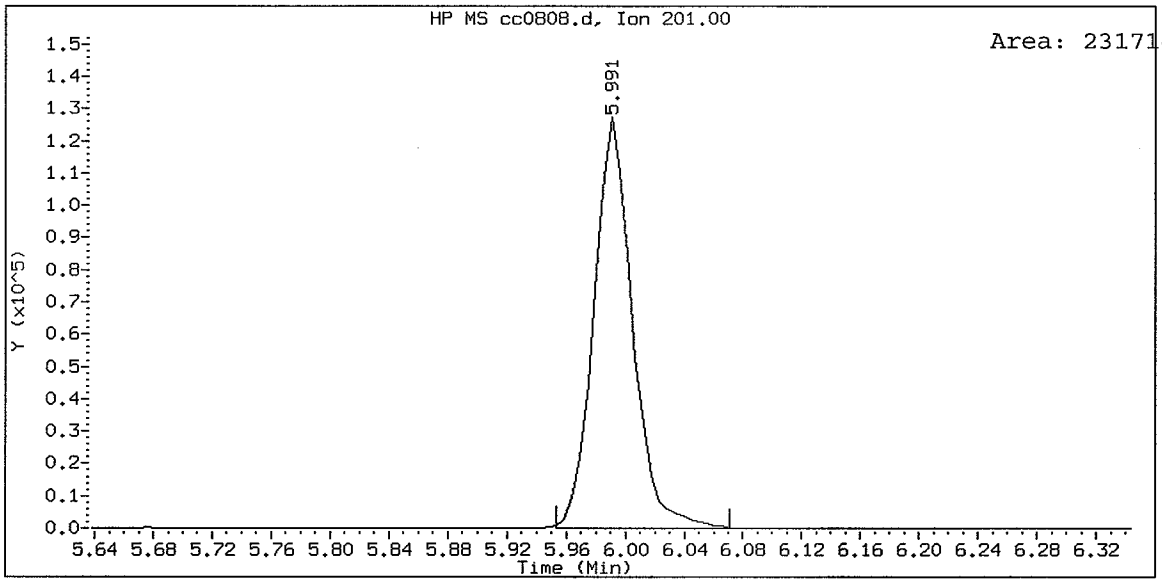


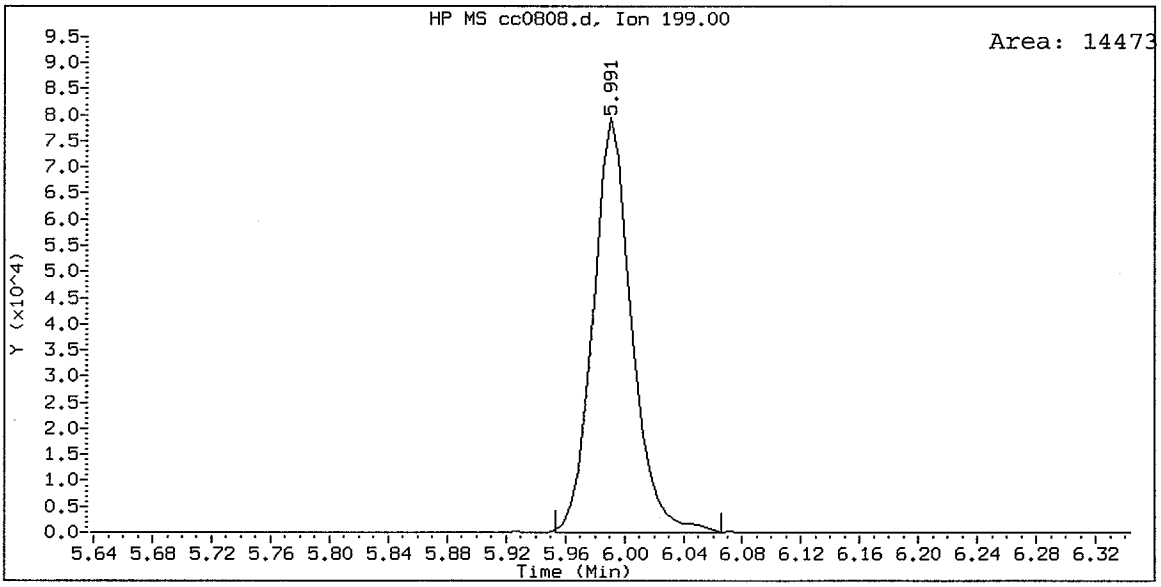




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Hexachloroethane Amount: 25.35







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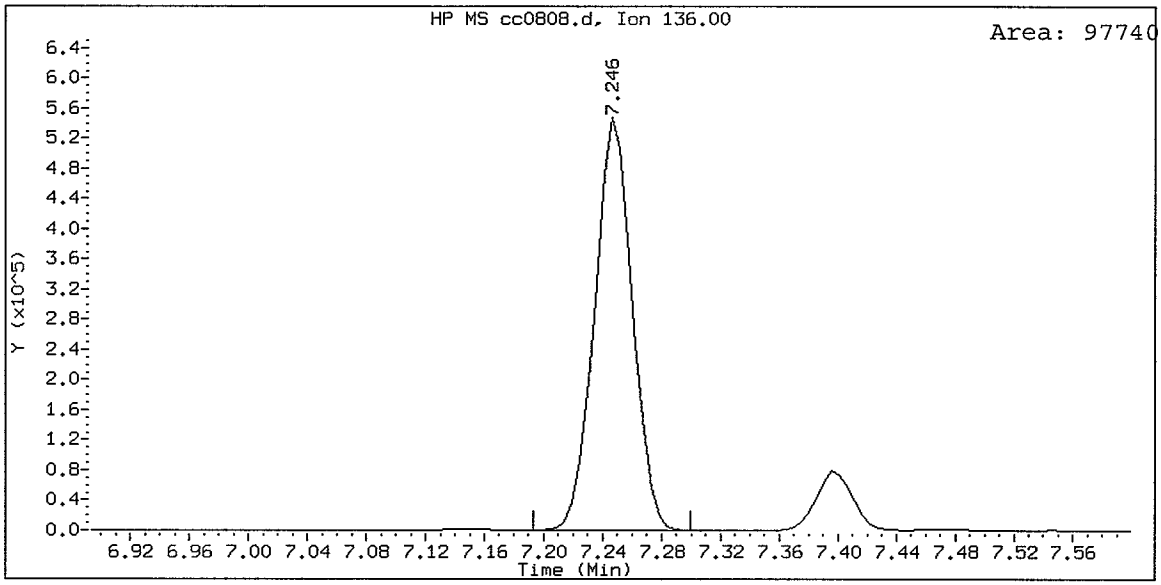
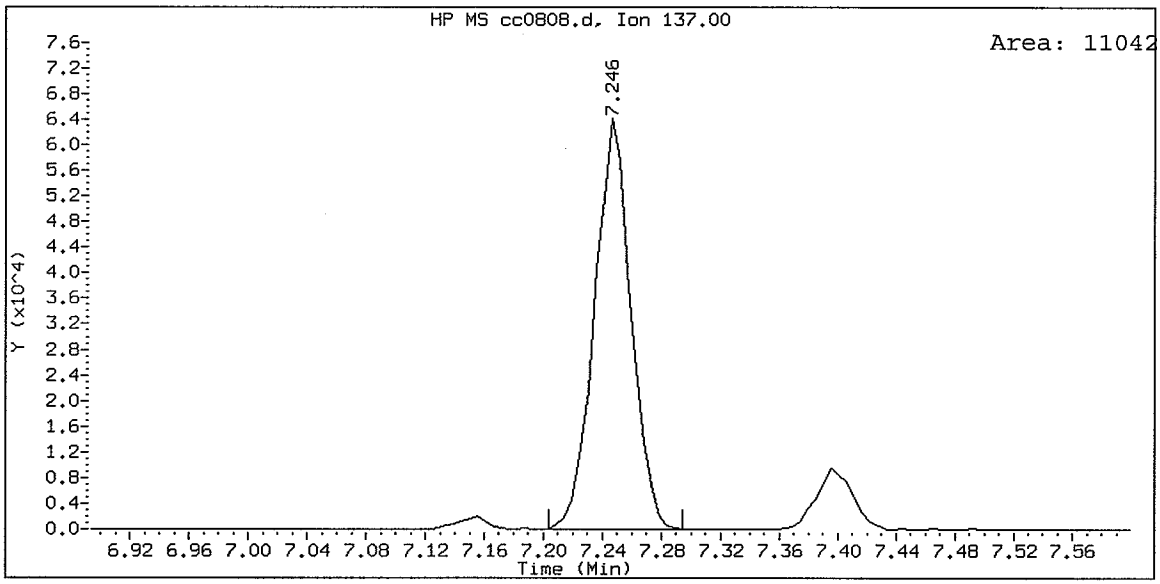
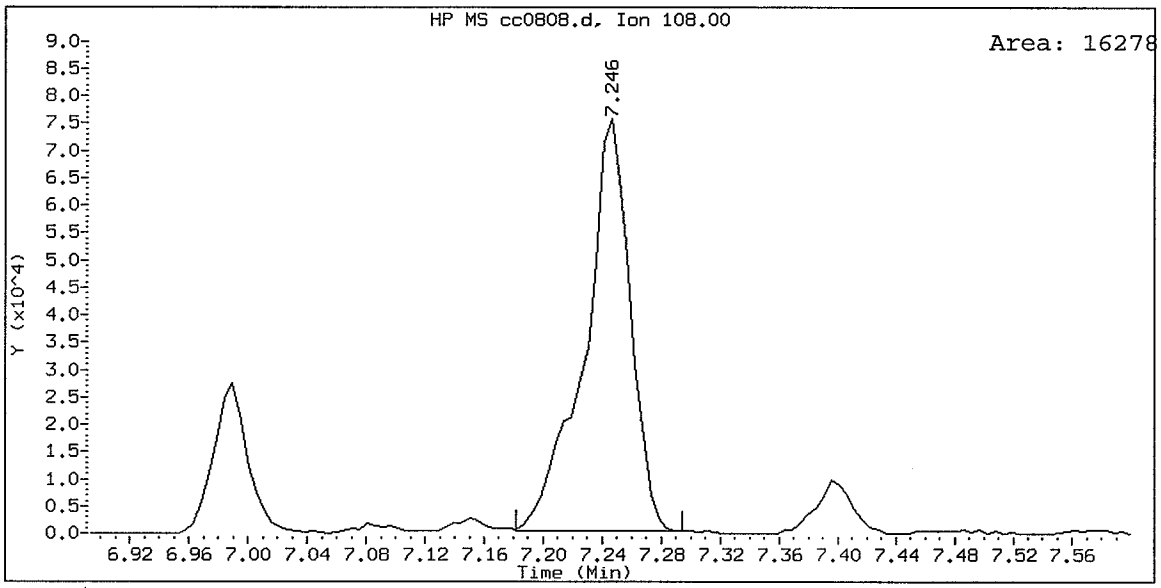
Naphthalene-d8 Amount: 20.00







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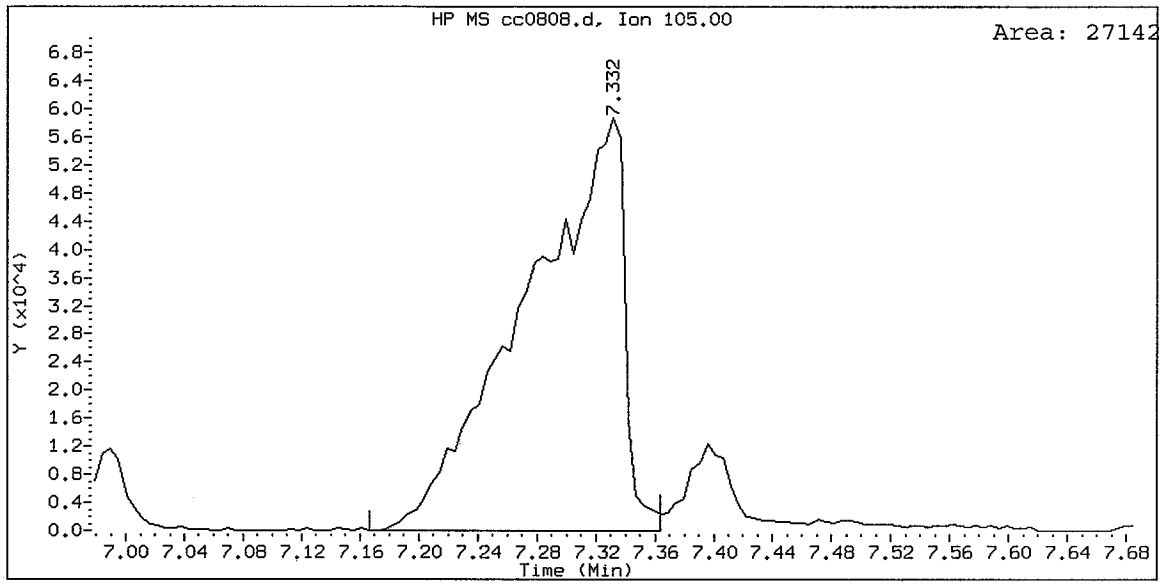
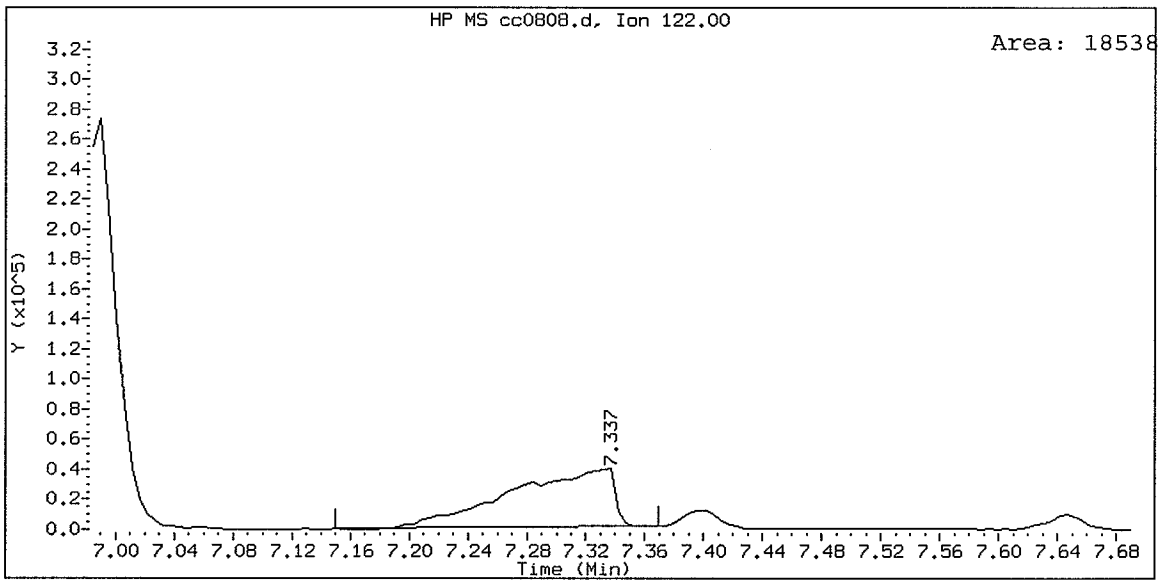
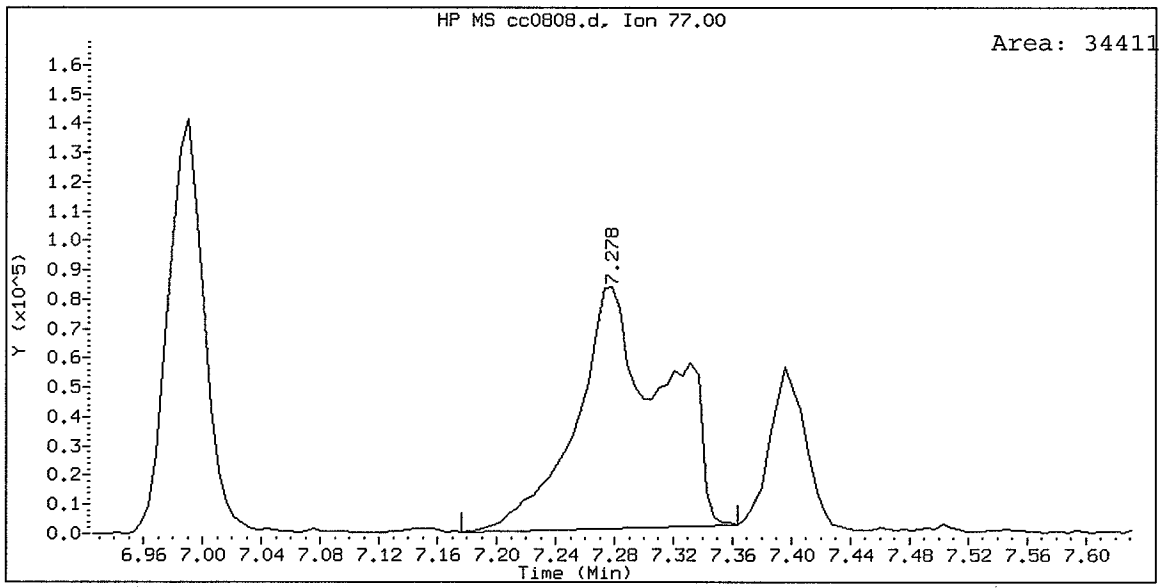
Benzoic acid Amount: 23.07







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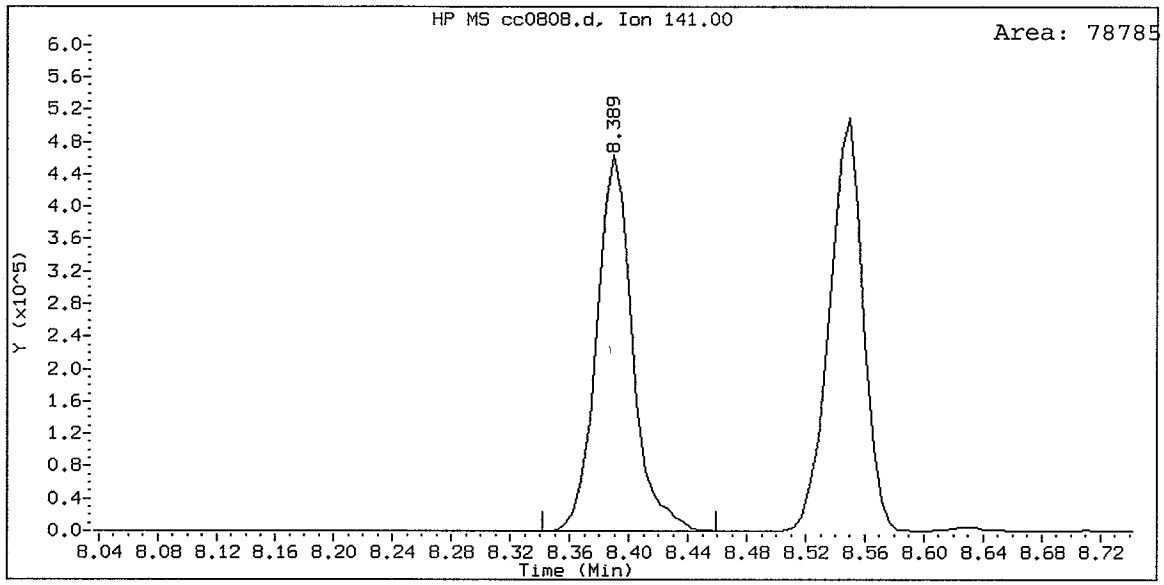
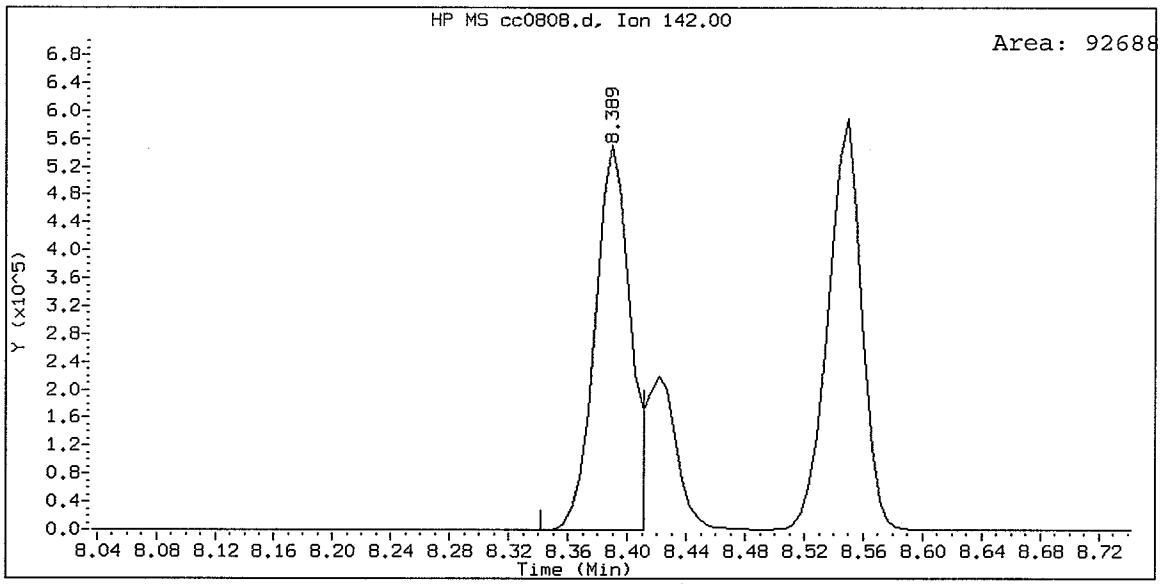
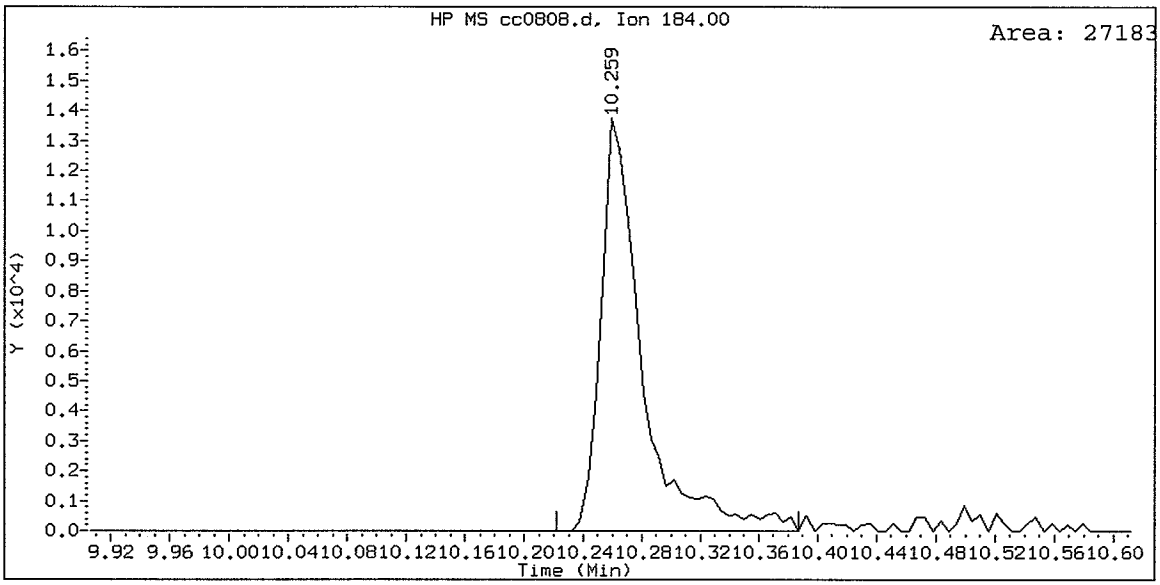
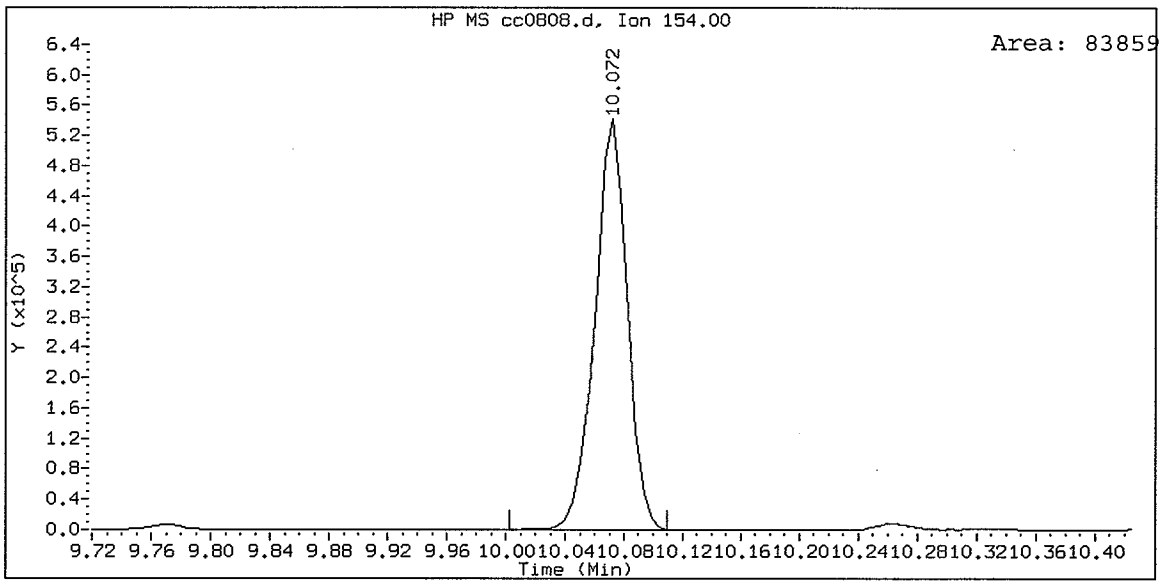
2-Methylnaphthalene Amount: 24.52

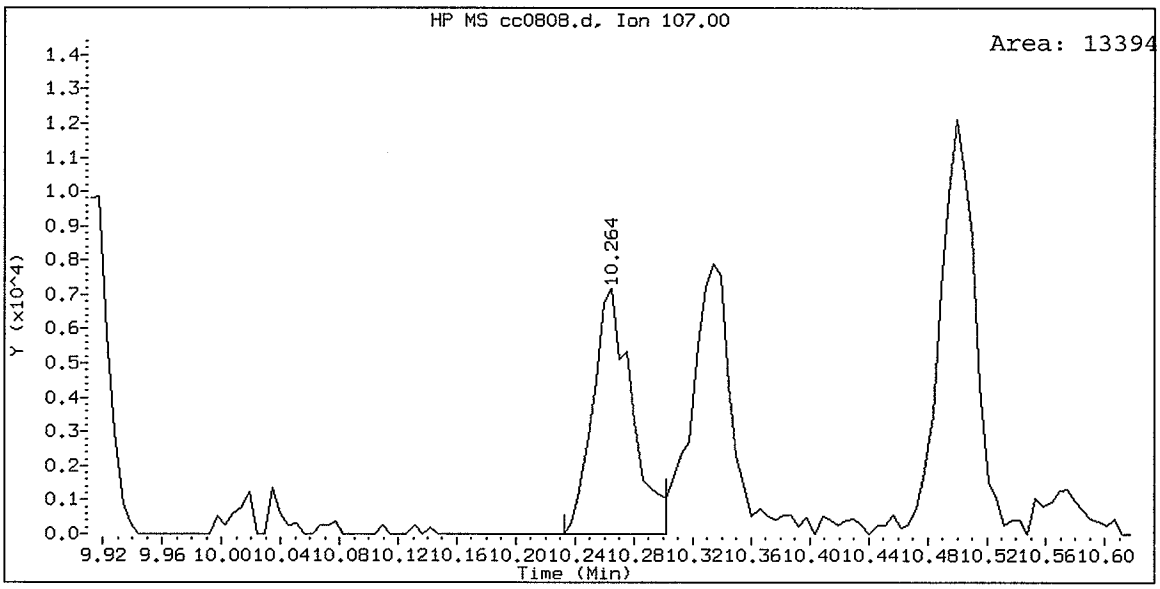




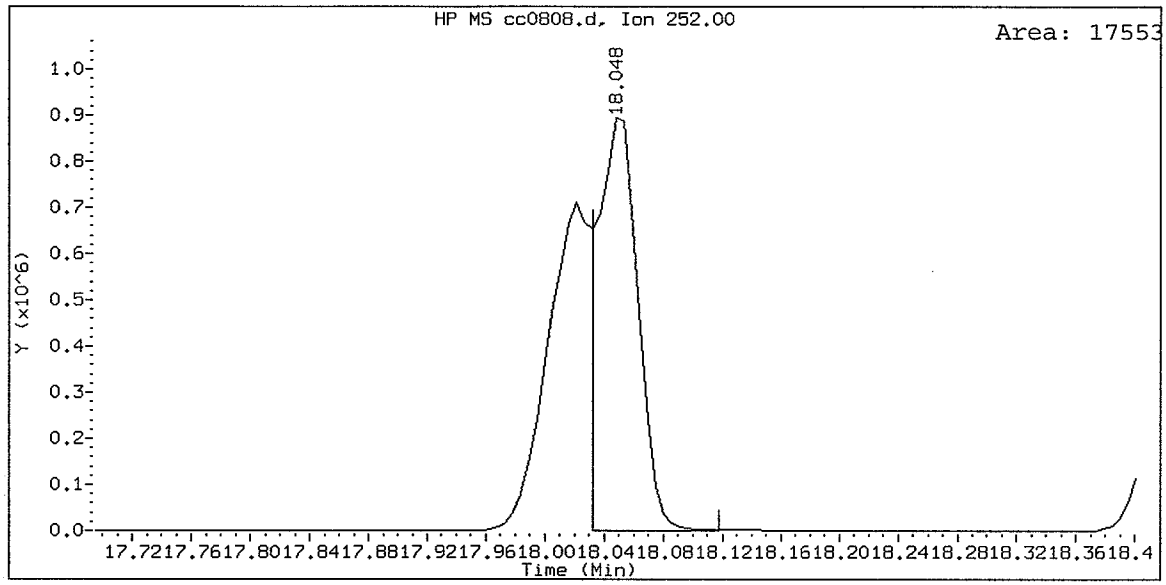
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
2,4-Dinitrophenol Amount: 16.21

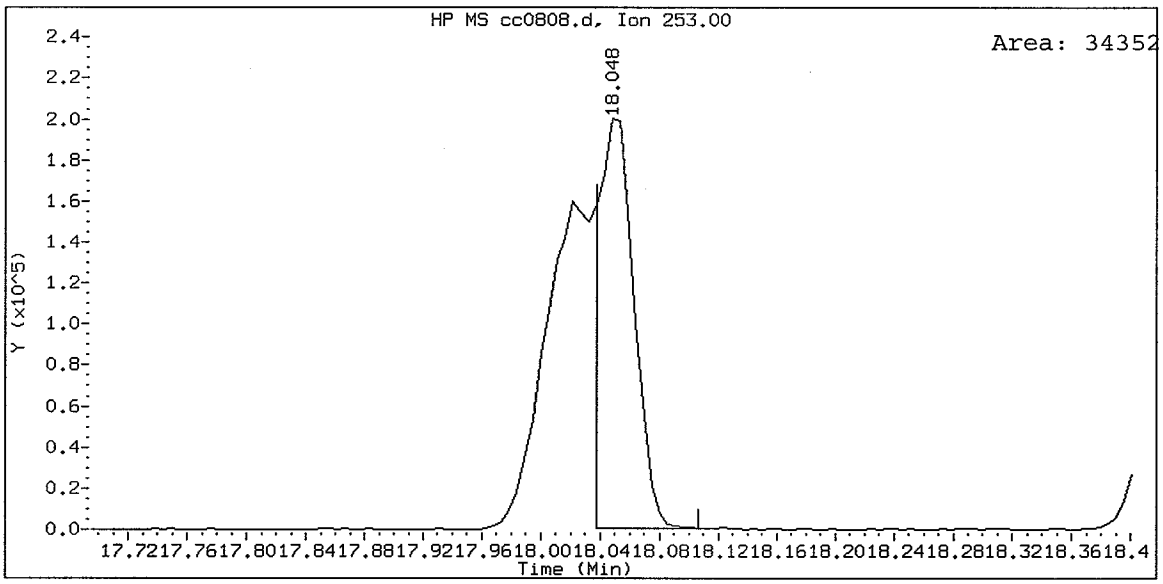


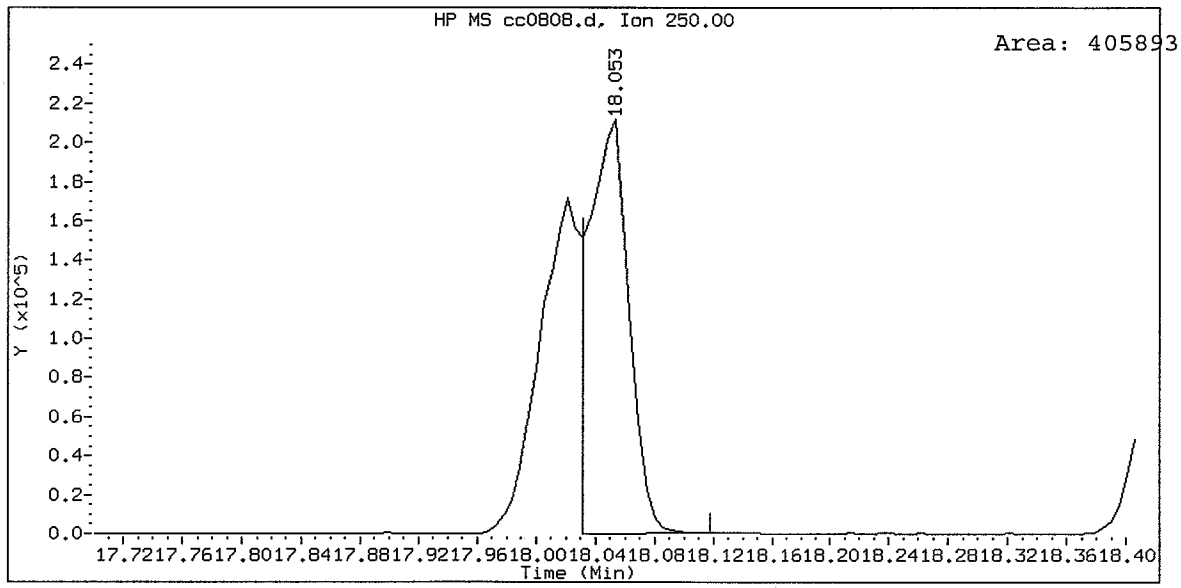




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Benzo(k)fluoranthene Amount: 30.86







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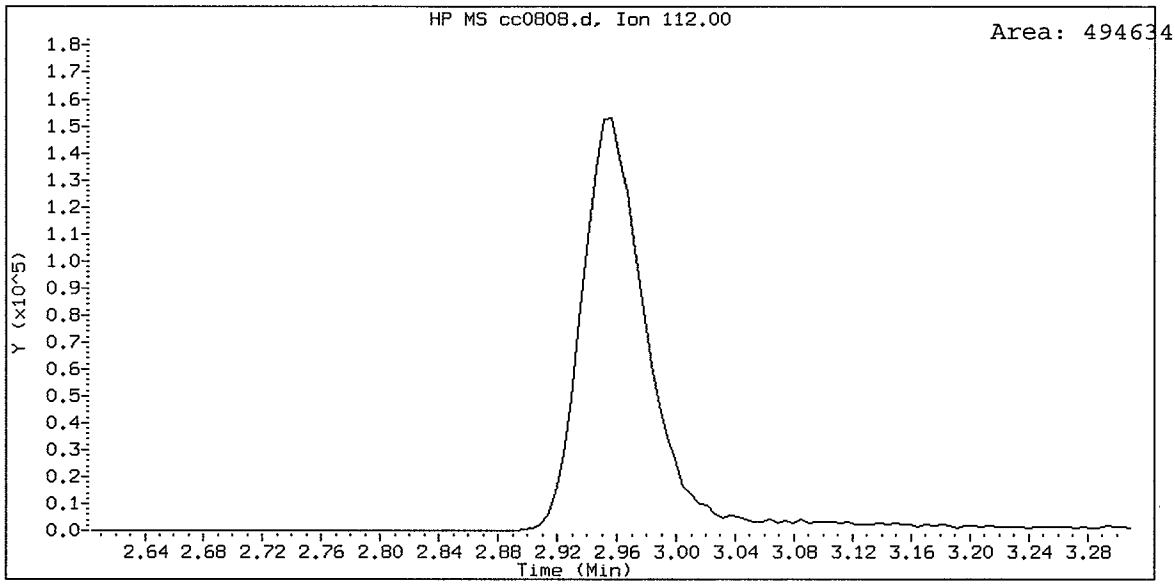
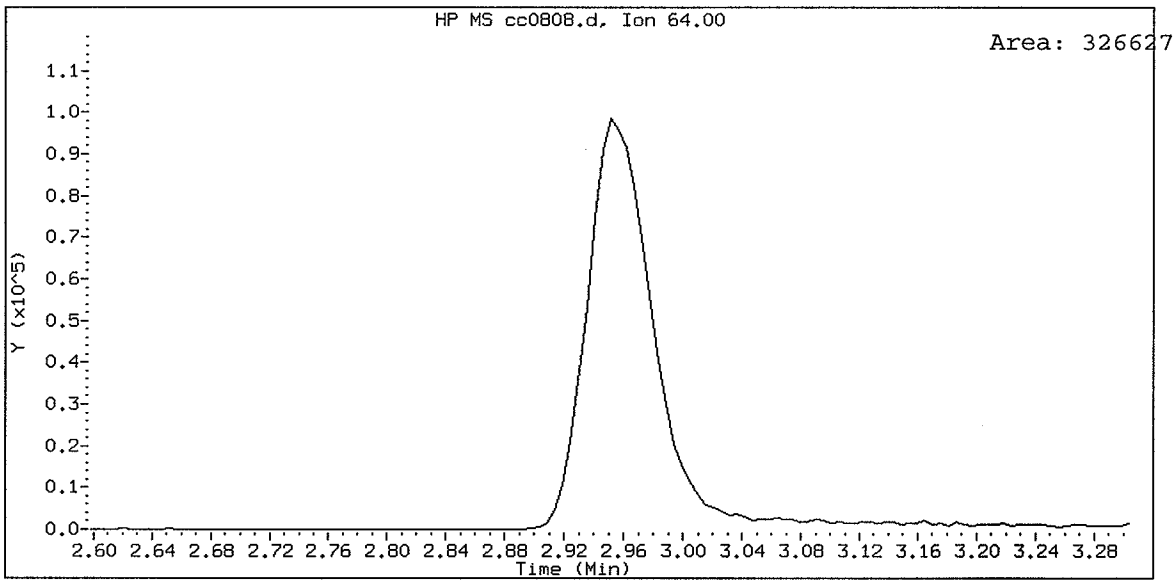
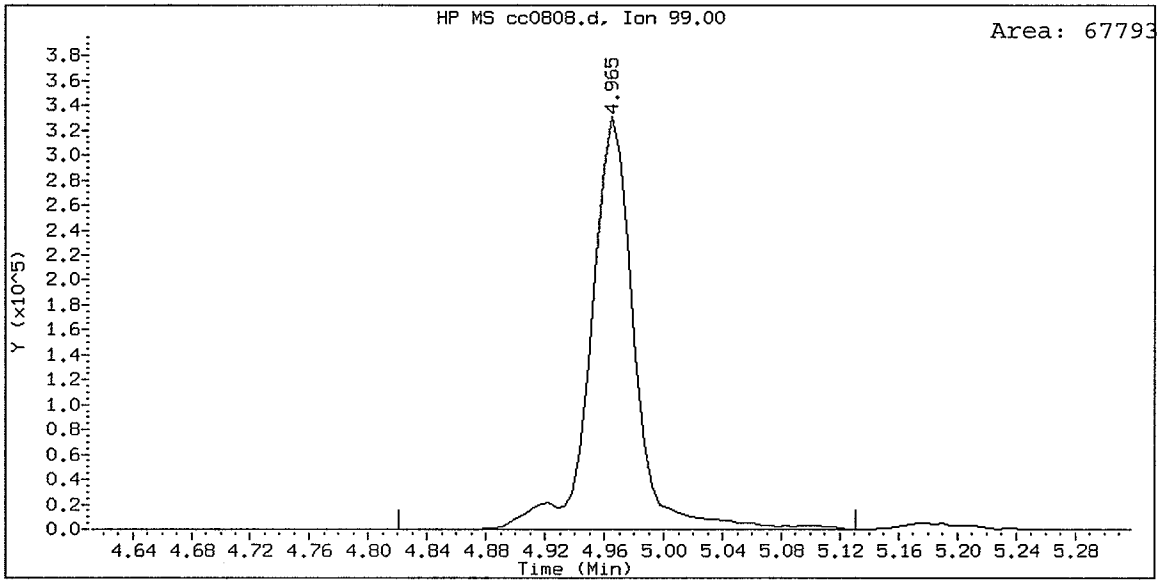
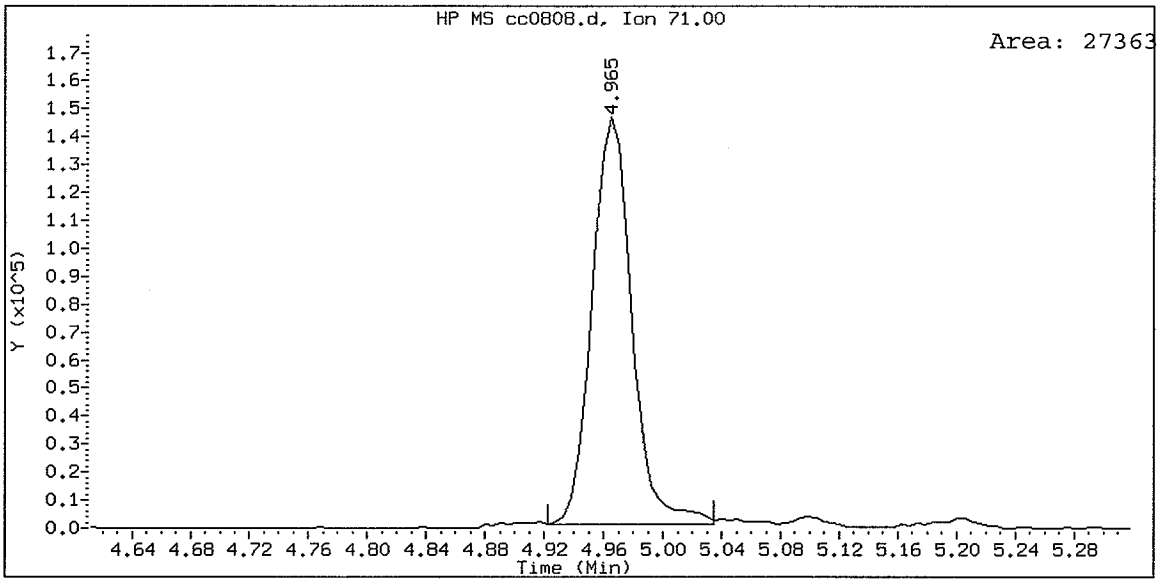
2-Fluorophenol Amount: 23.55

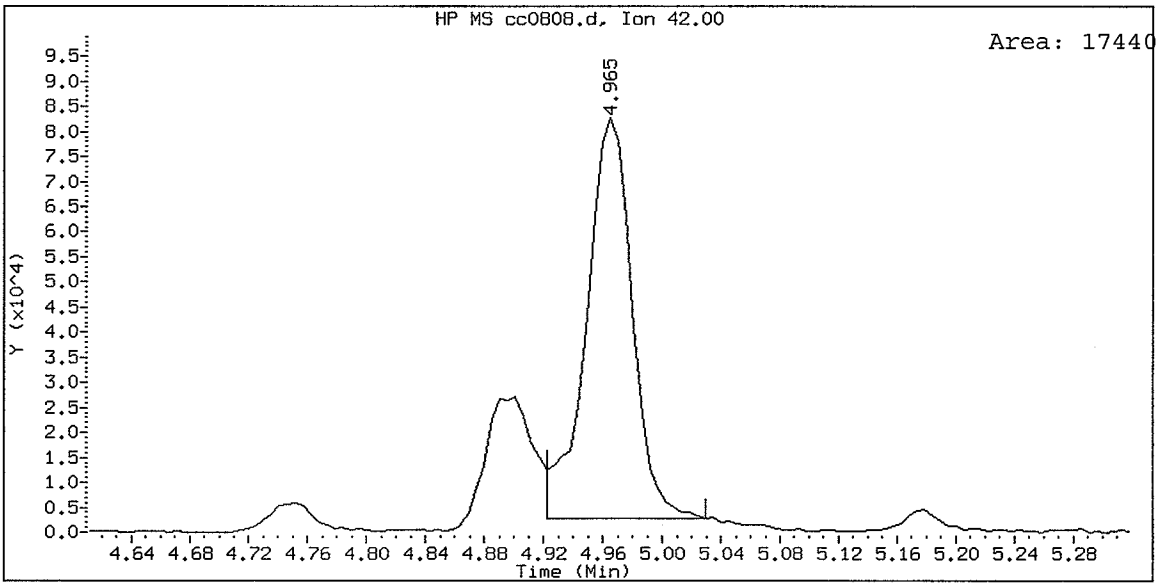




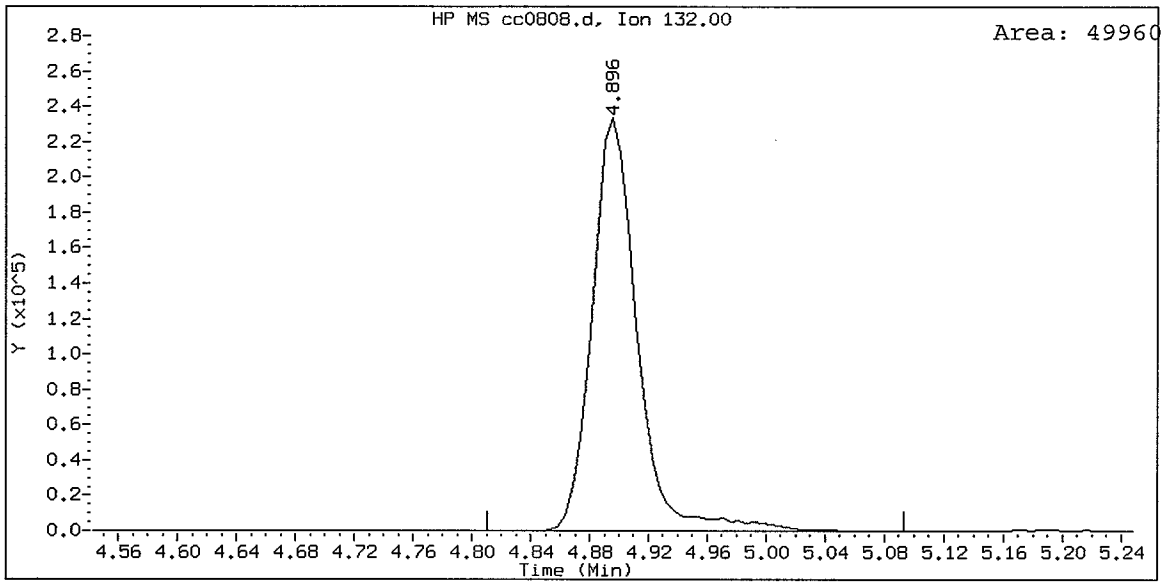
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
Phenol-d5 Amount: 26.64

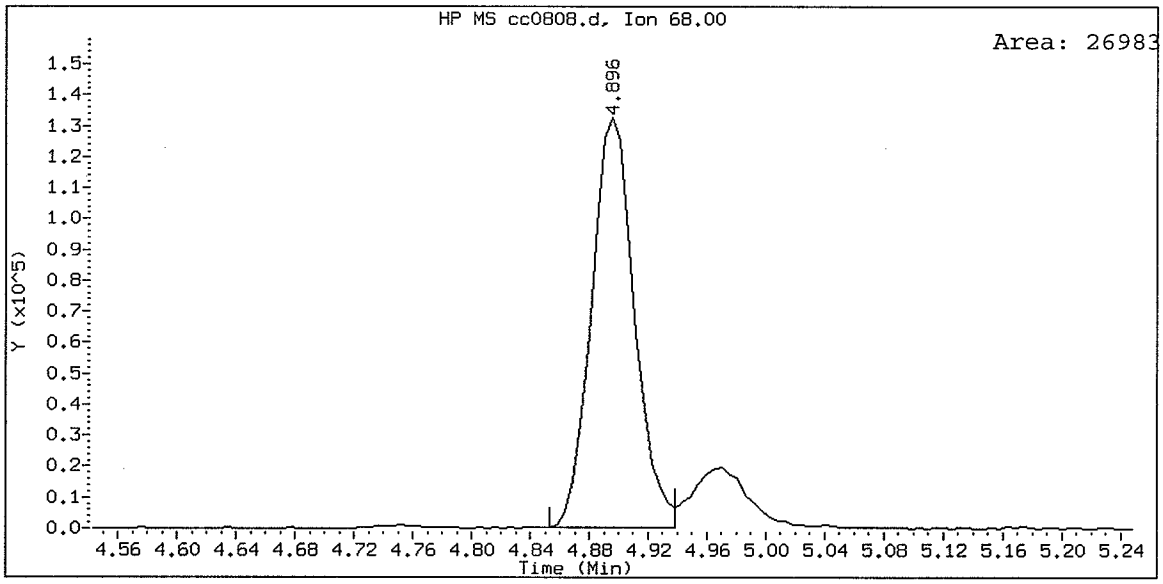


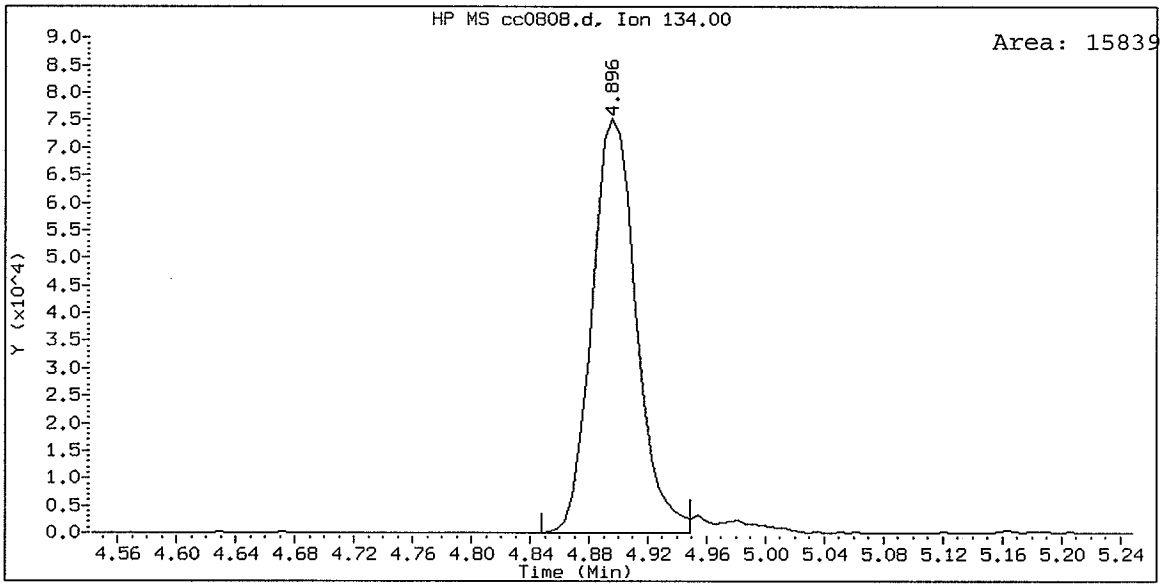




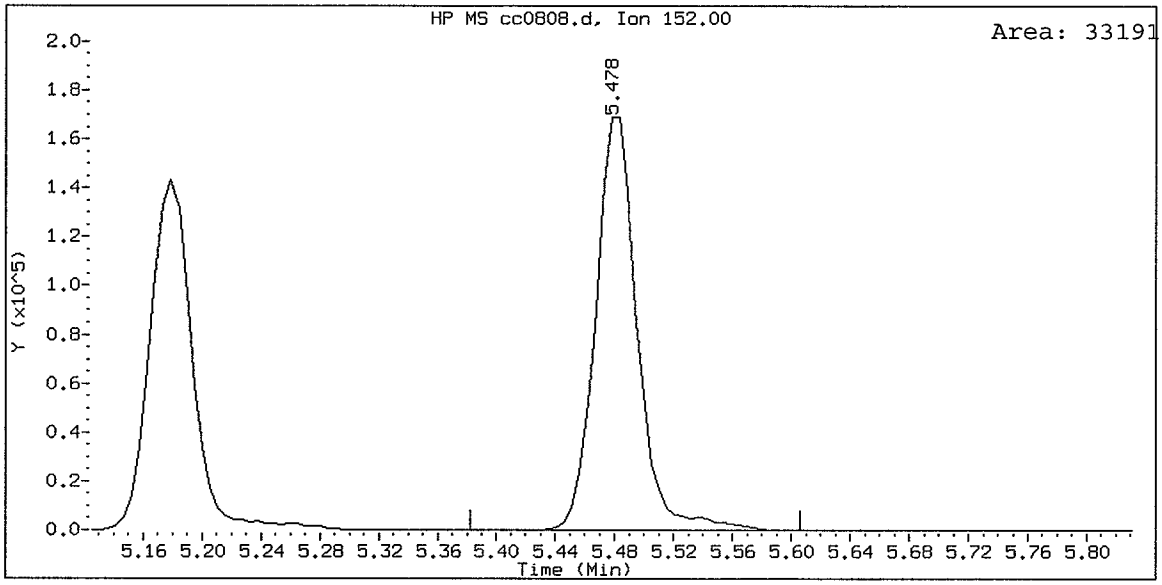
ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
2-Chlorophenol-d4 Amount: 23.15

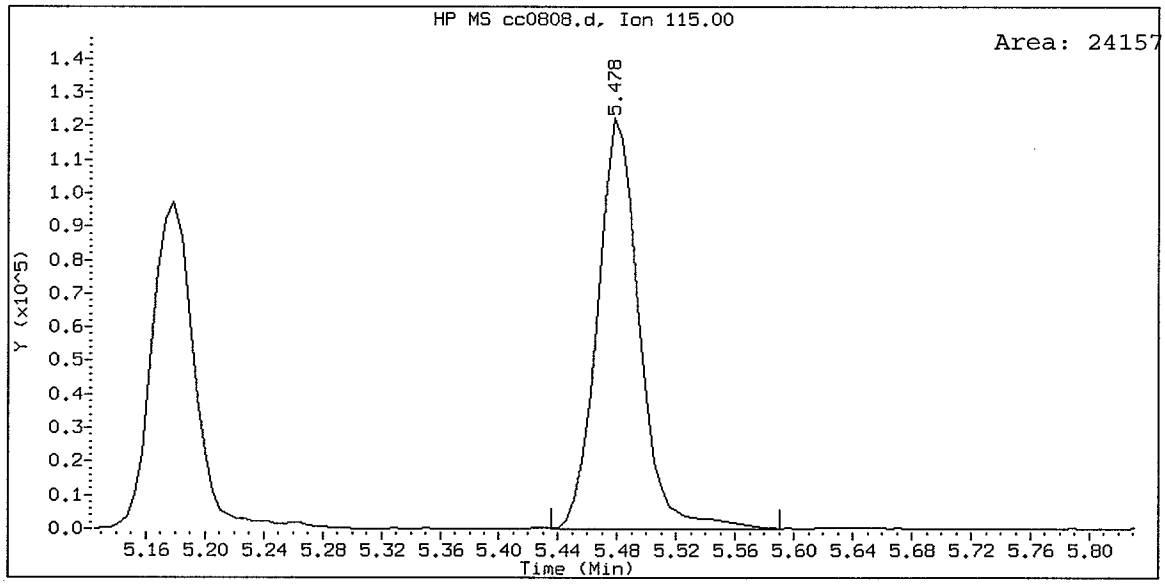


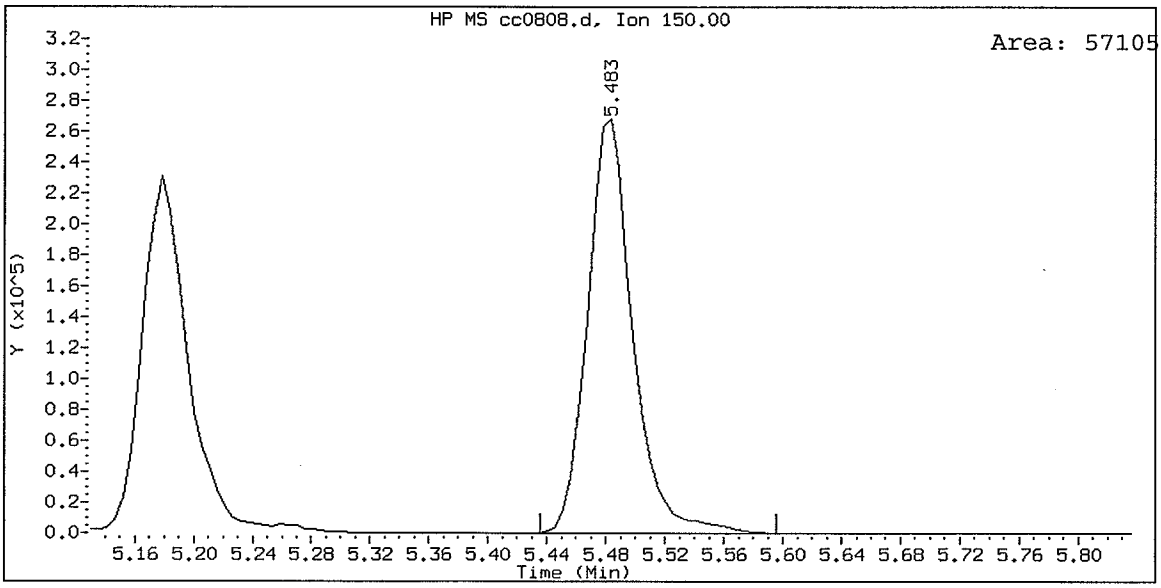




ABN 25, /chem1/nt6.i/20060808.b/cc0808.d
1,2-Dichlorobenzene-d4 Amount: 23.86







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

Data file: /chem1/nt6.i/20060808.b/ddt.b/cc0808.d ARI ID:
Method: /chem1/nt6.i/20060808.b/ddt.b/sw846ddt.m Misc:
Analysis Date: 08-AUG-2006 13:13 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

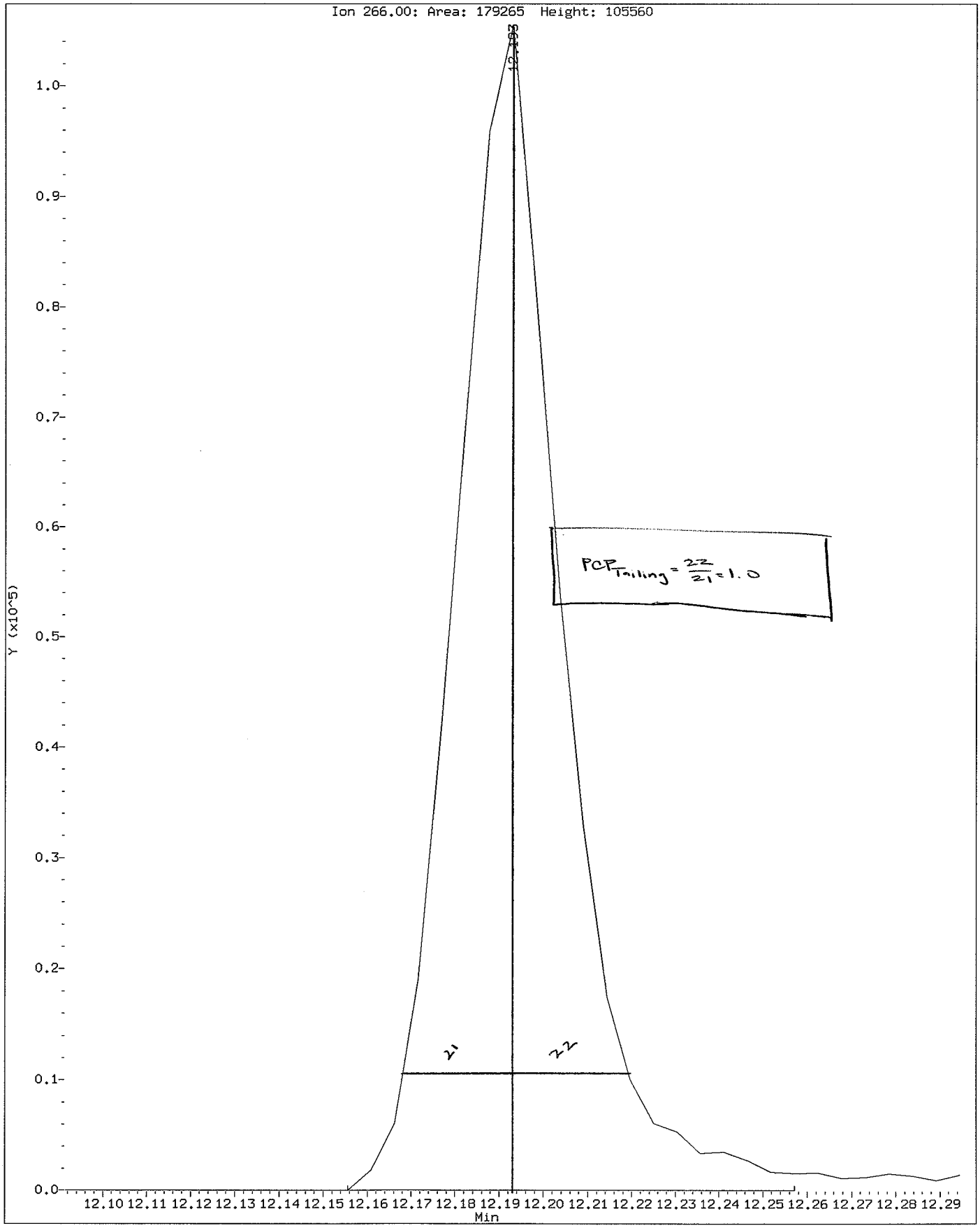
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 39840) * 100}{(0 + 39840 + 339709)}$$

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:

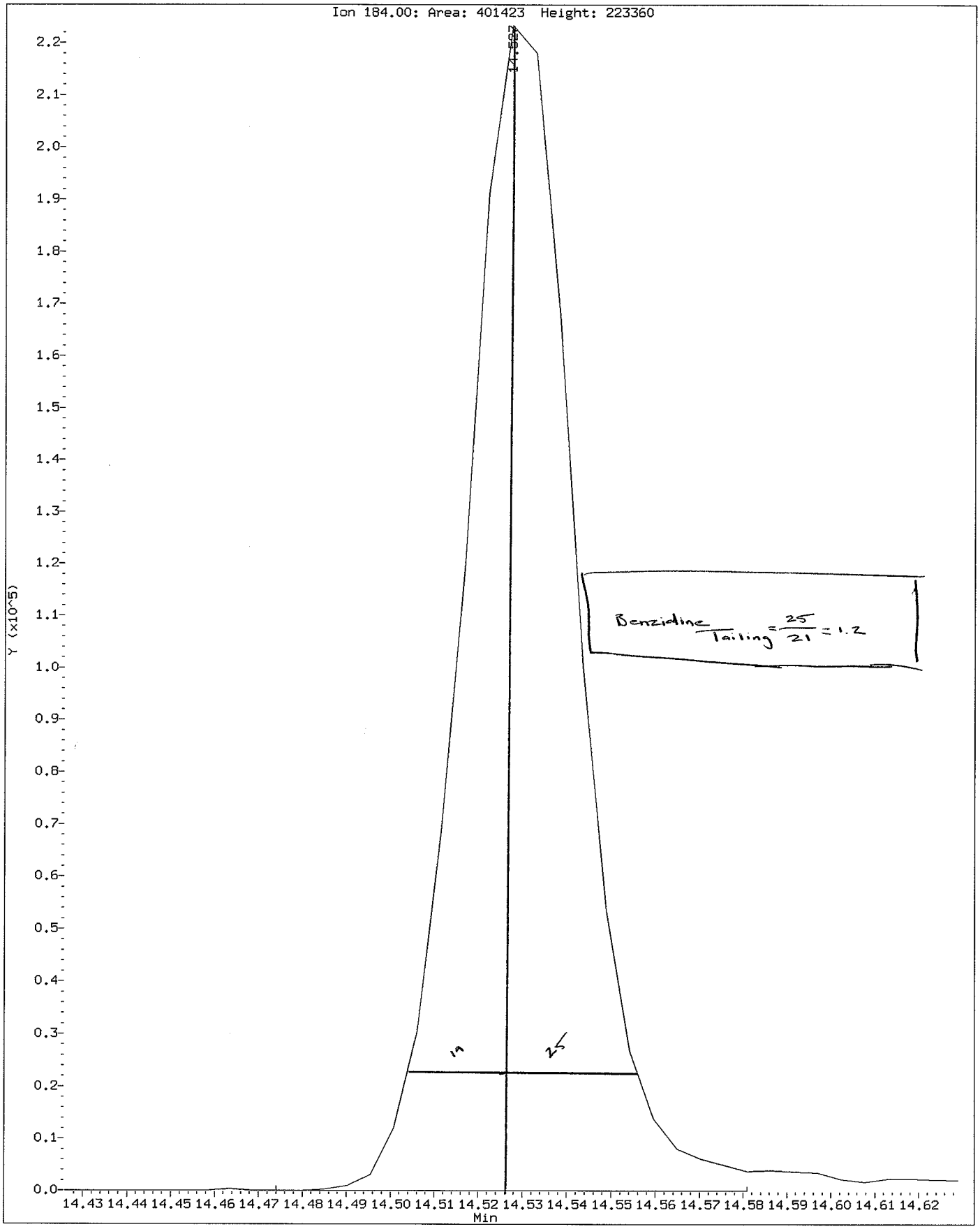
Compound: Pentachlorophenol
CAS Number: 87-86-5



0537

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

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 Inst ID: nt6.i
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 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

	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.

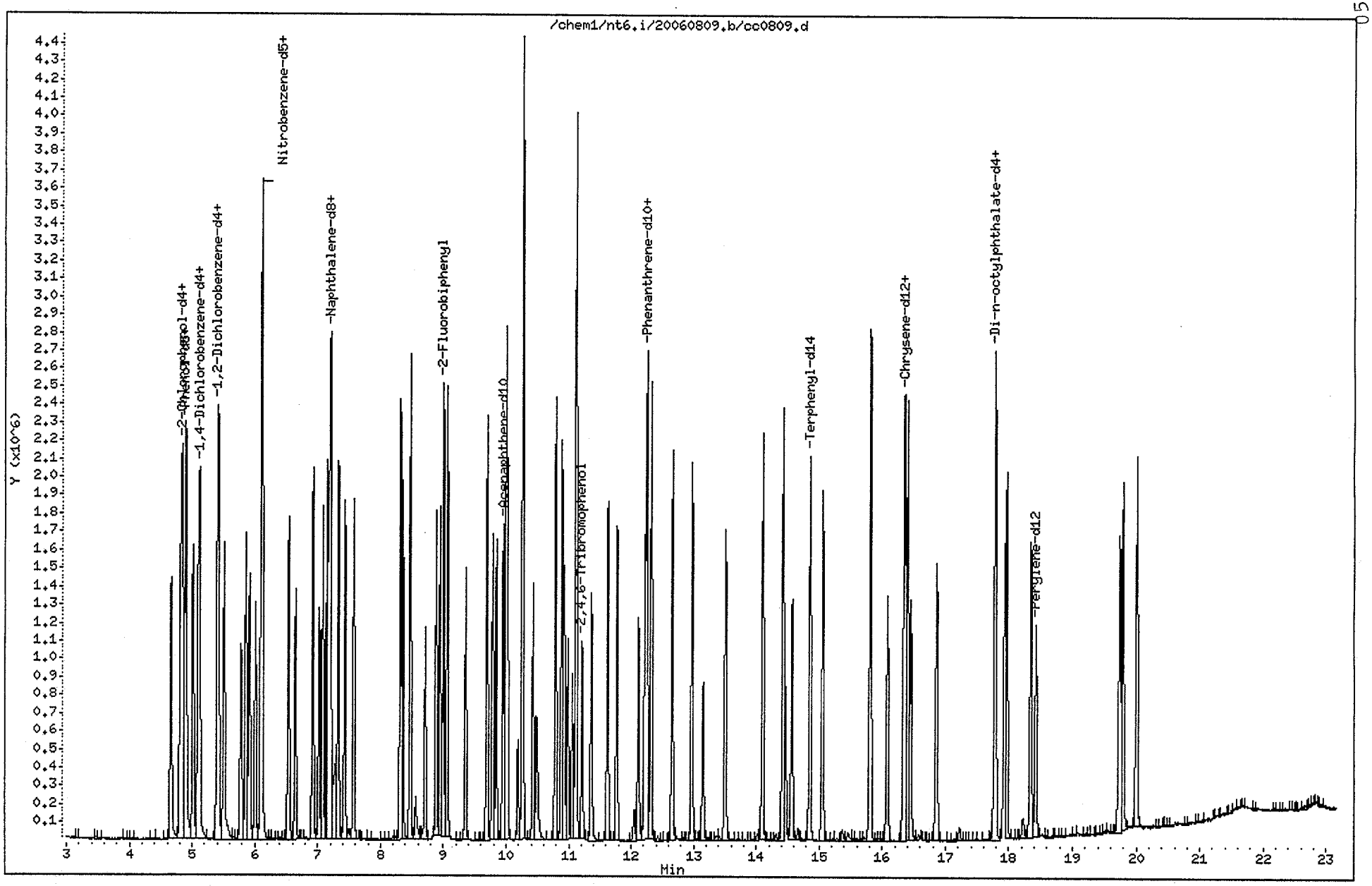
Data File: /chem1/nt6.i/20060809.b/cc0809.d
Date : 09-AUG-2006 09:22
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

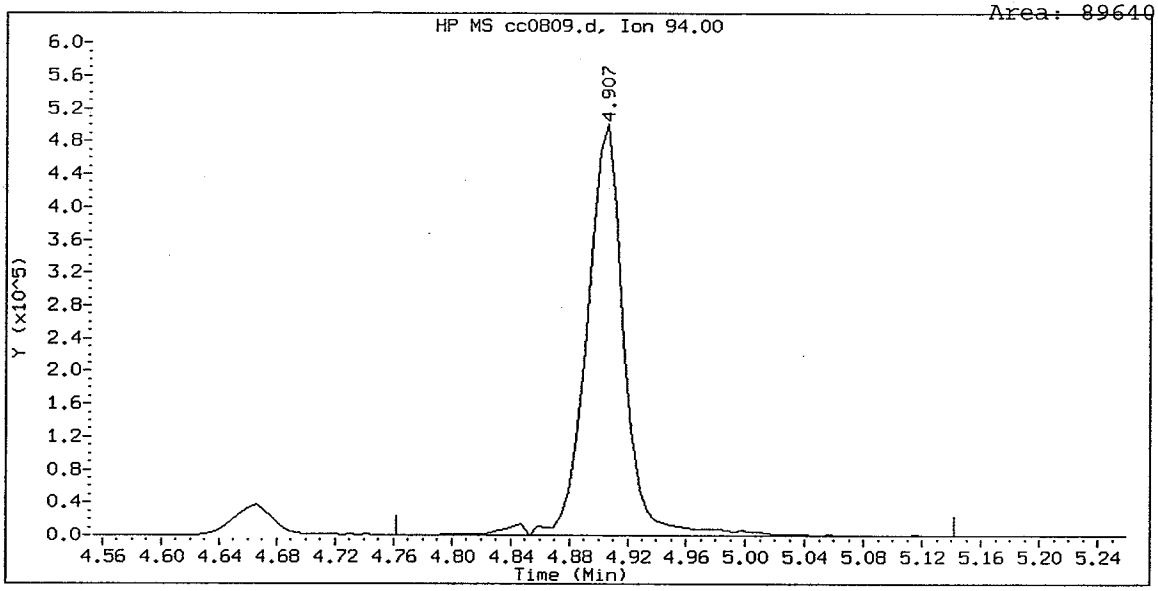
Instrument: nt6.i

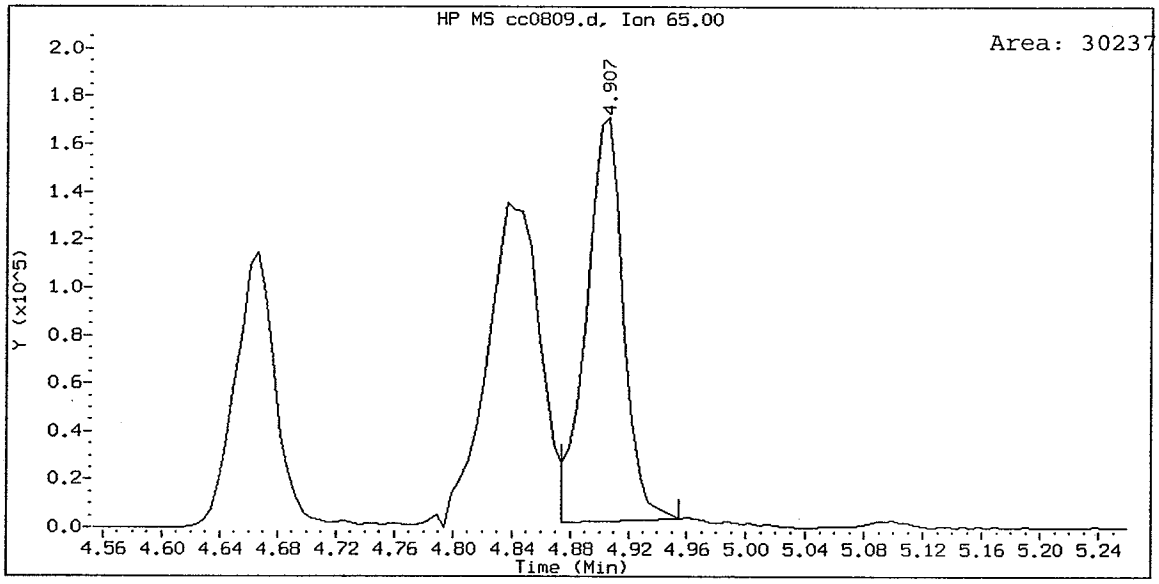
Operator: LJR
Column diameter: 0.32

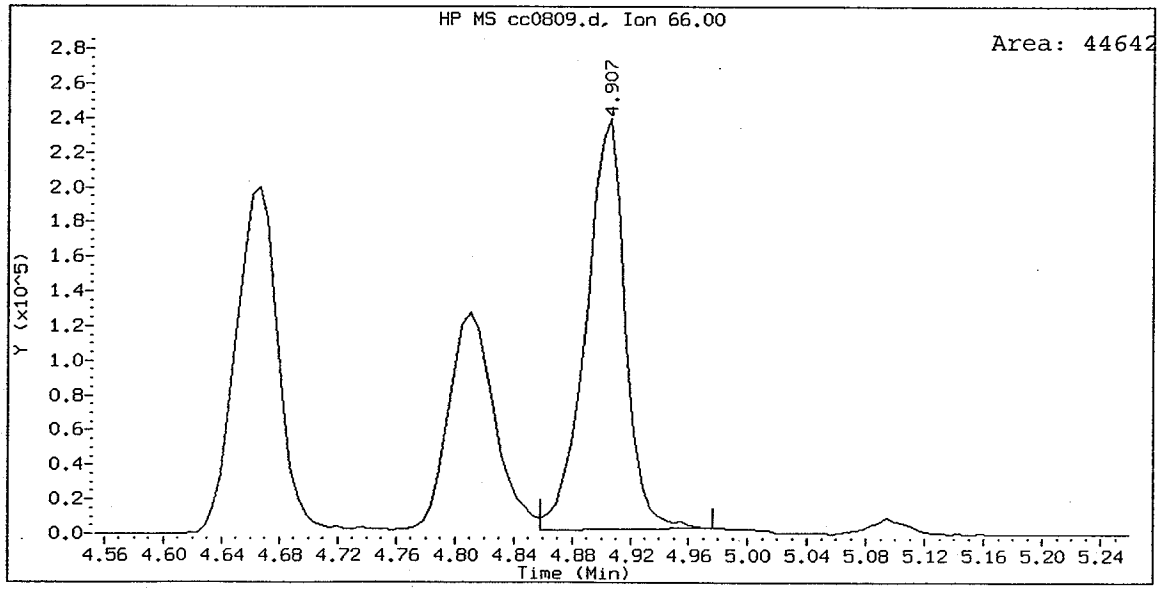
0540



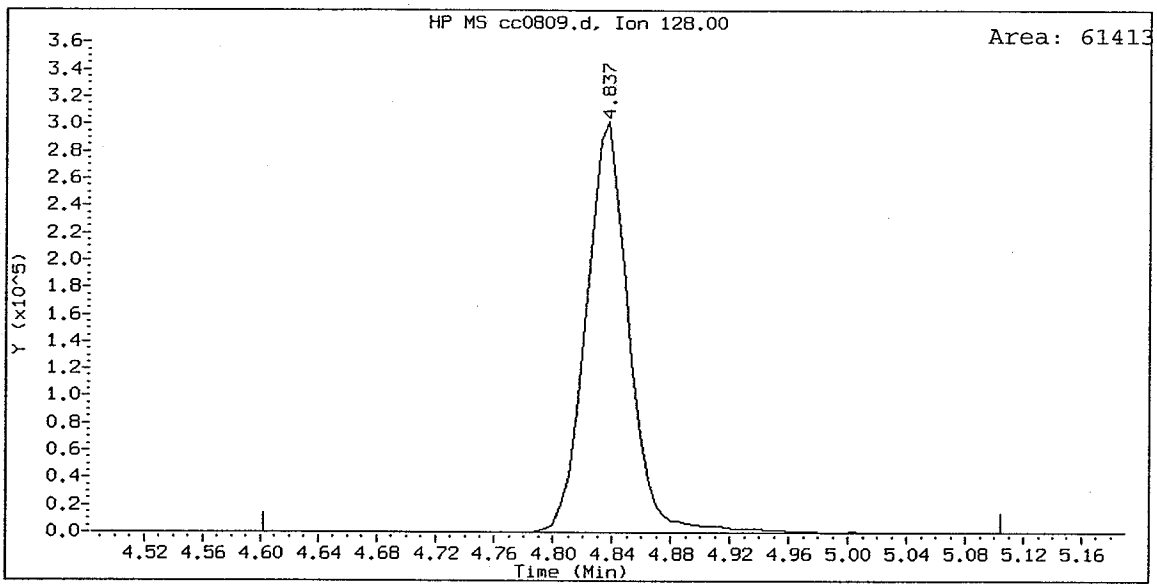
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
Phenol Amount: 24.77

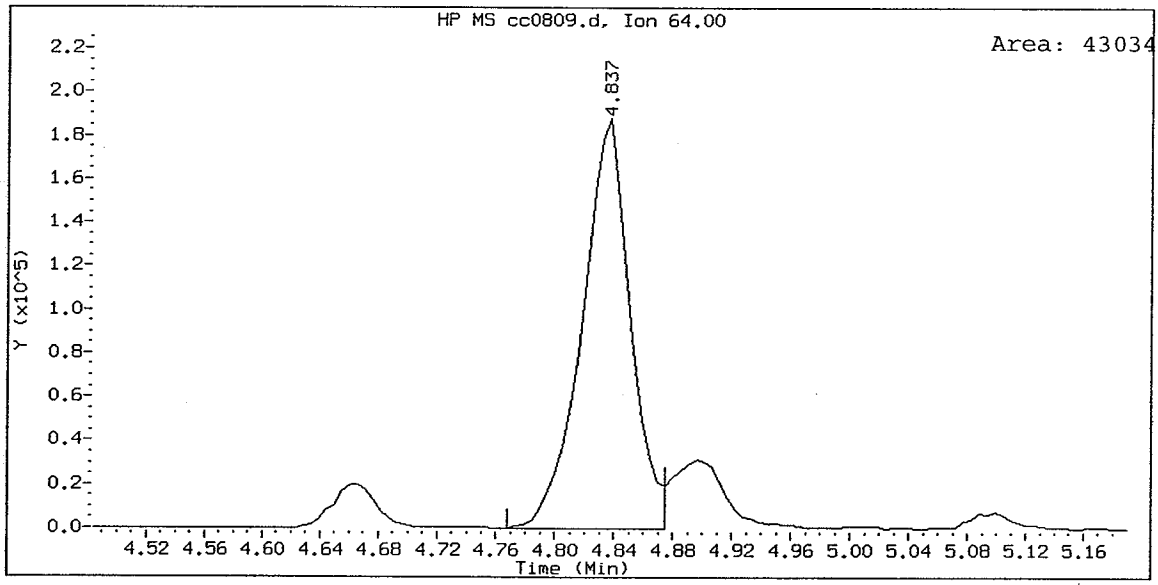


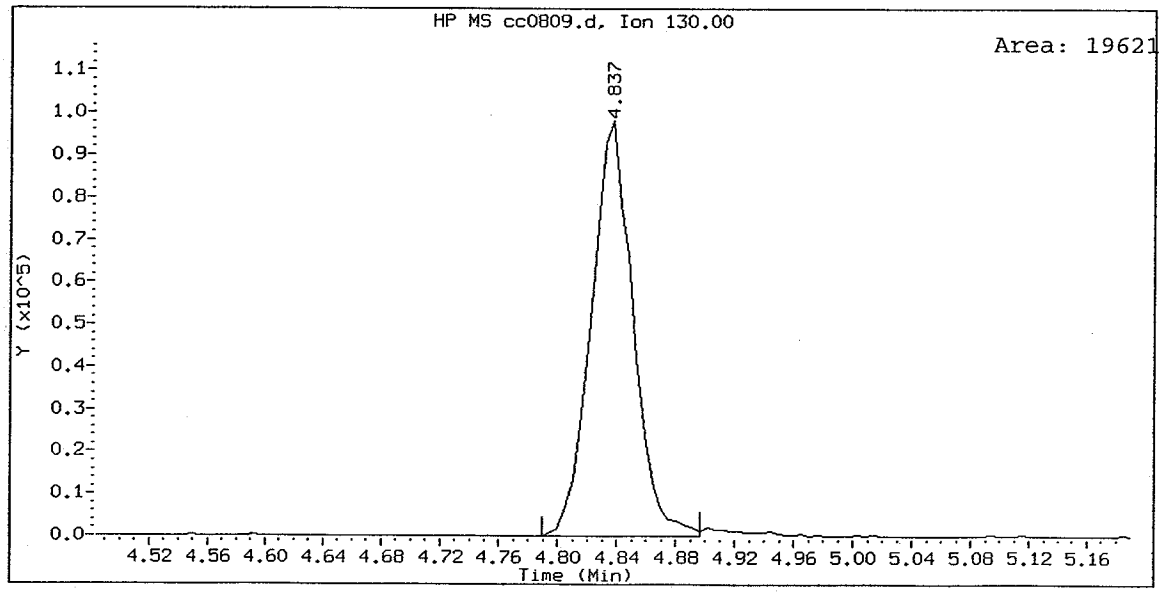




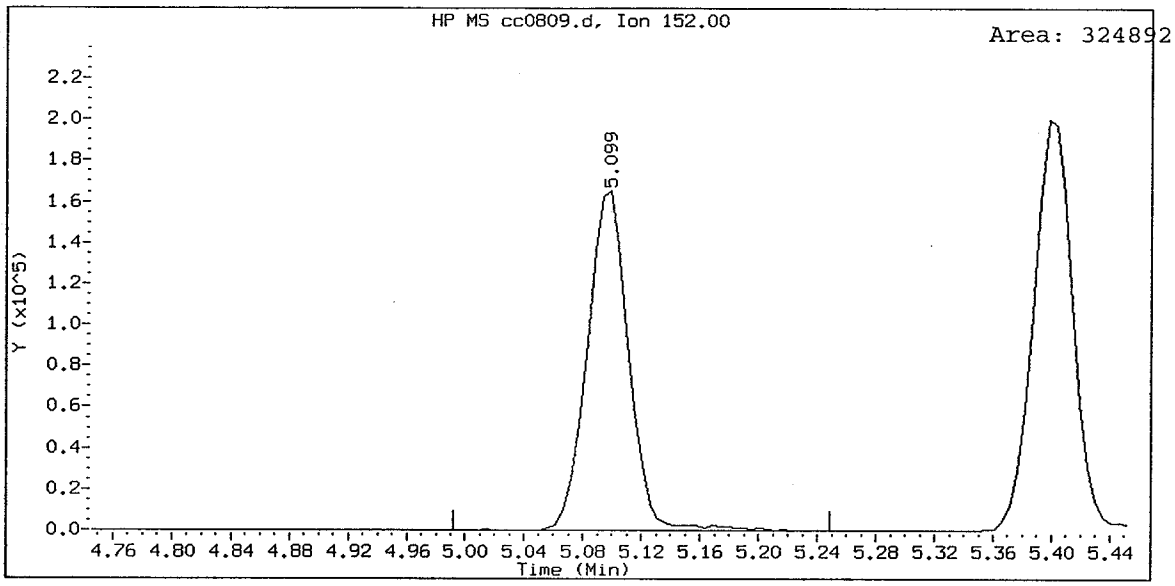
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
2-Chlorophenol Amount: 24.66

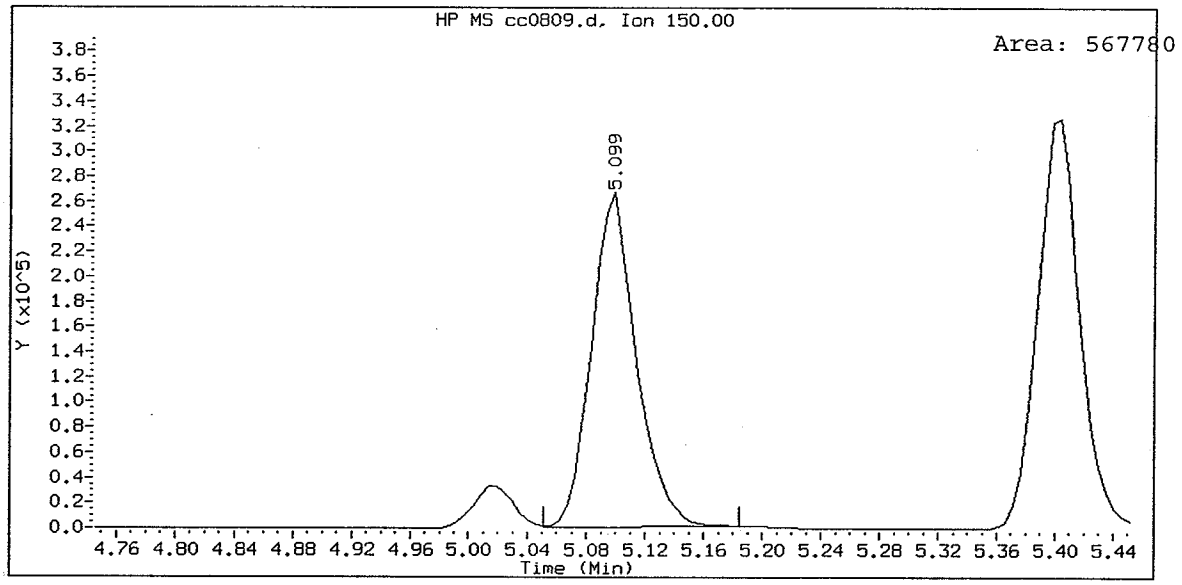


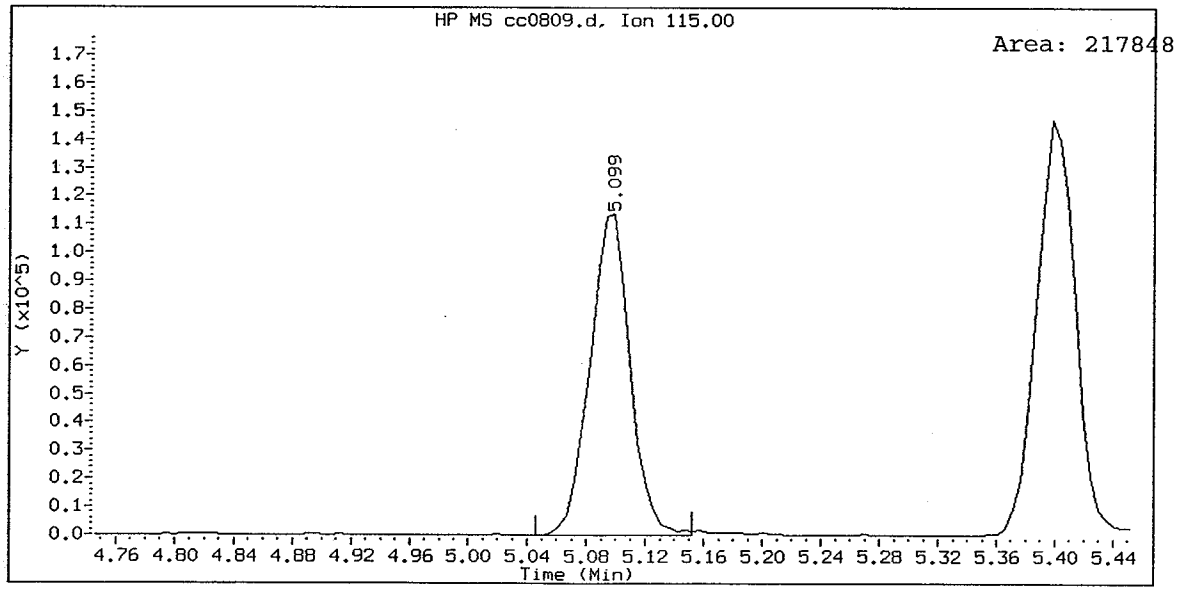




ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
1,4-Dichlorobenzene-d4 Amount: 20.00







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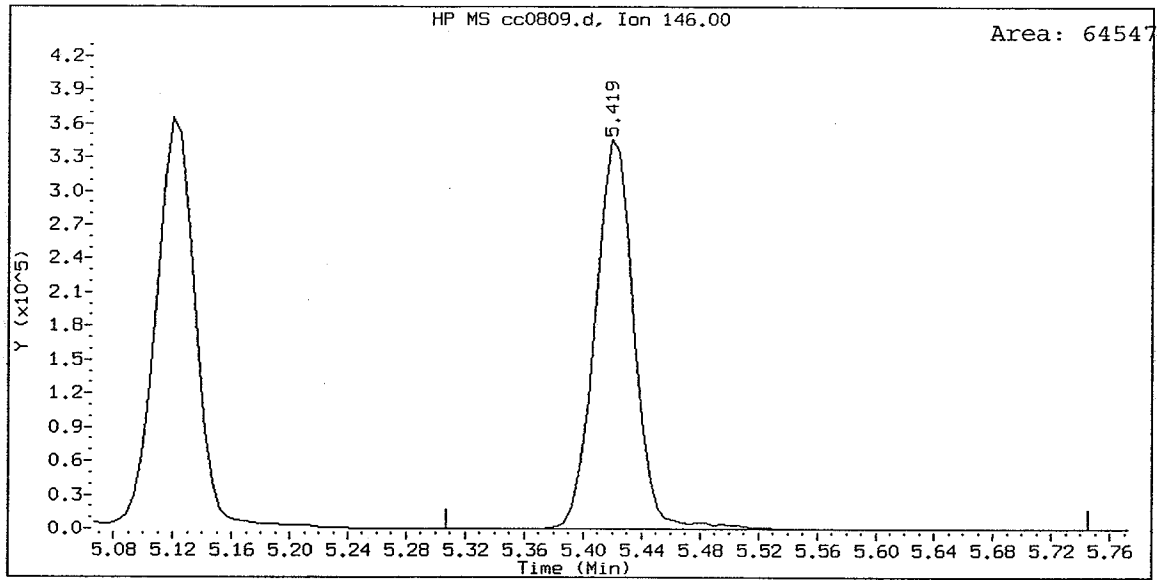
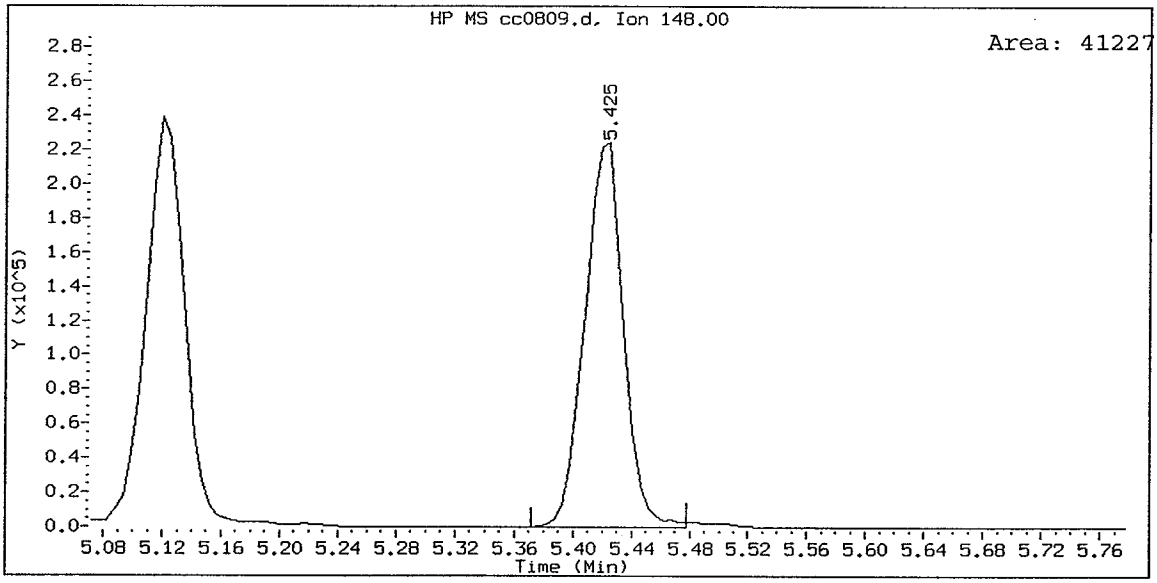
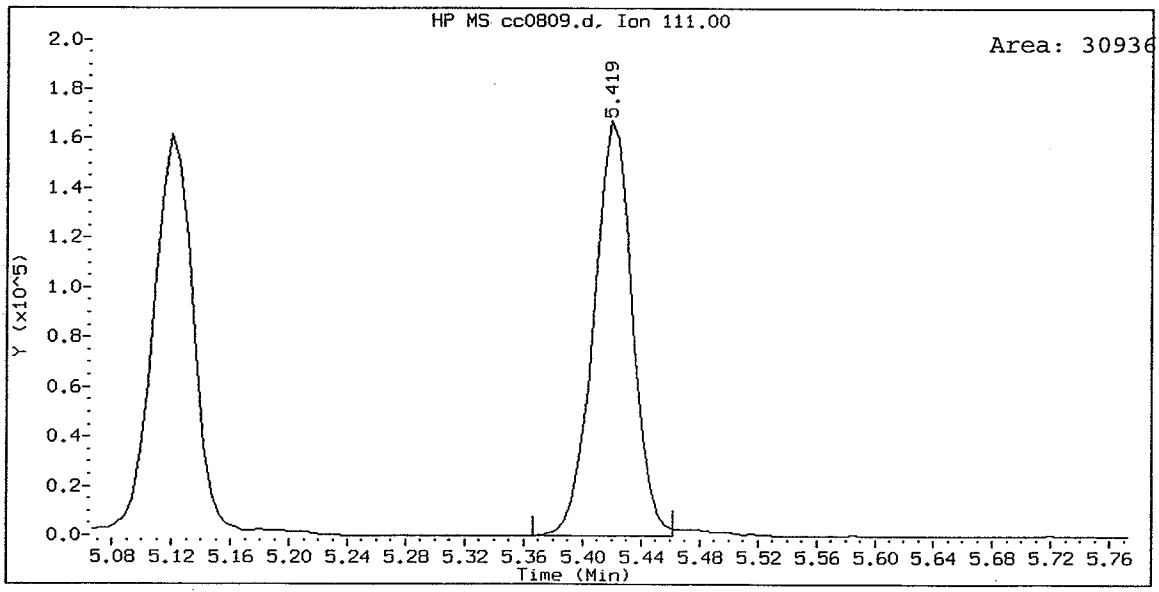
1,2-Dichlorobenzene Amount: 24.13







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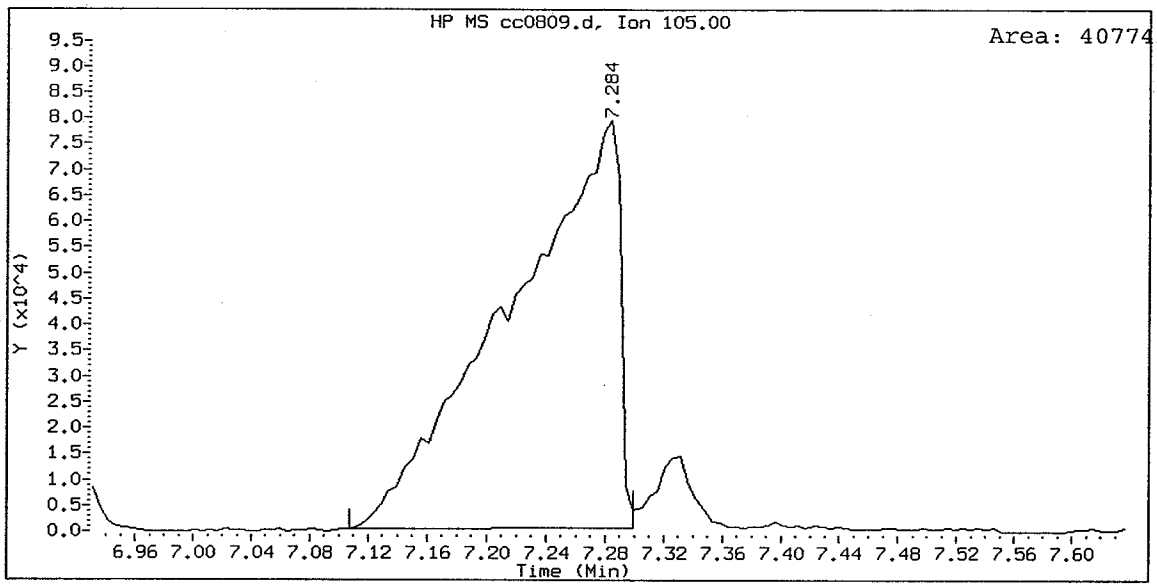
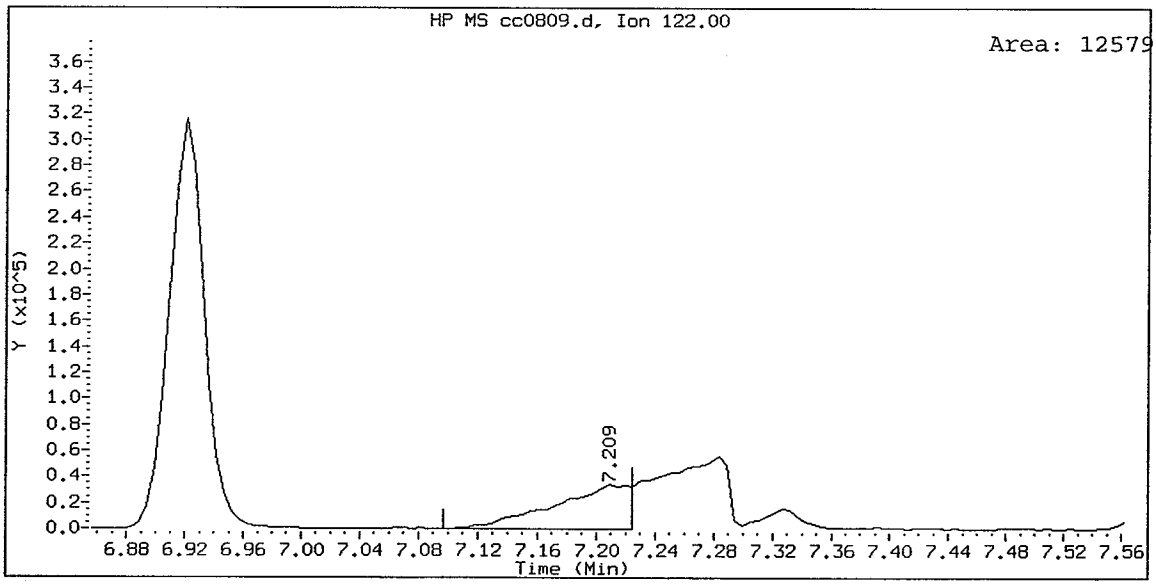
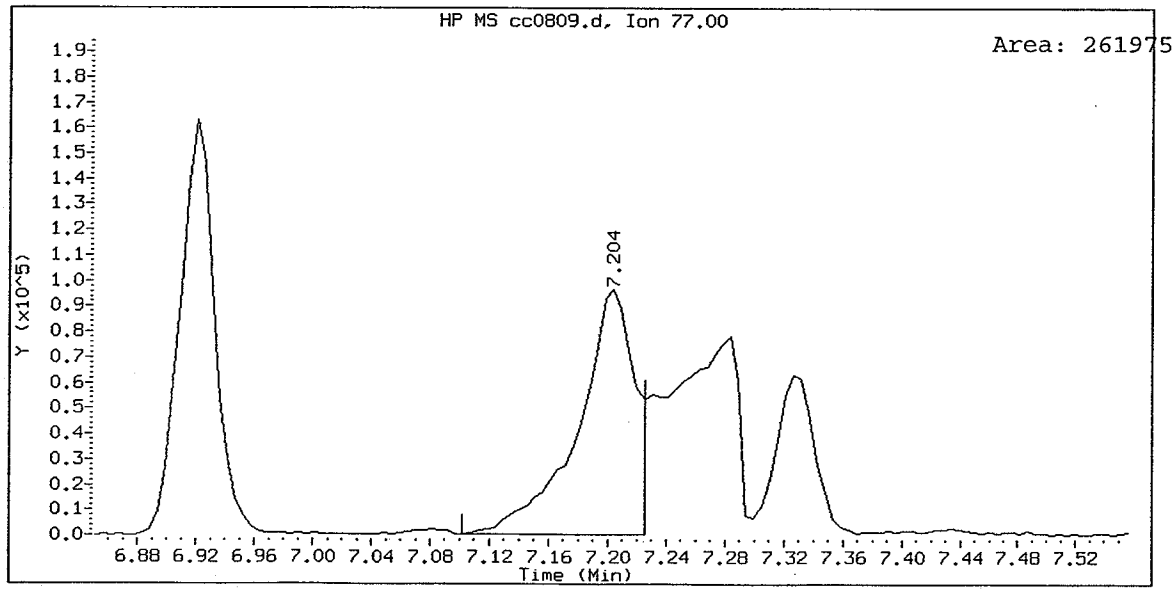
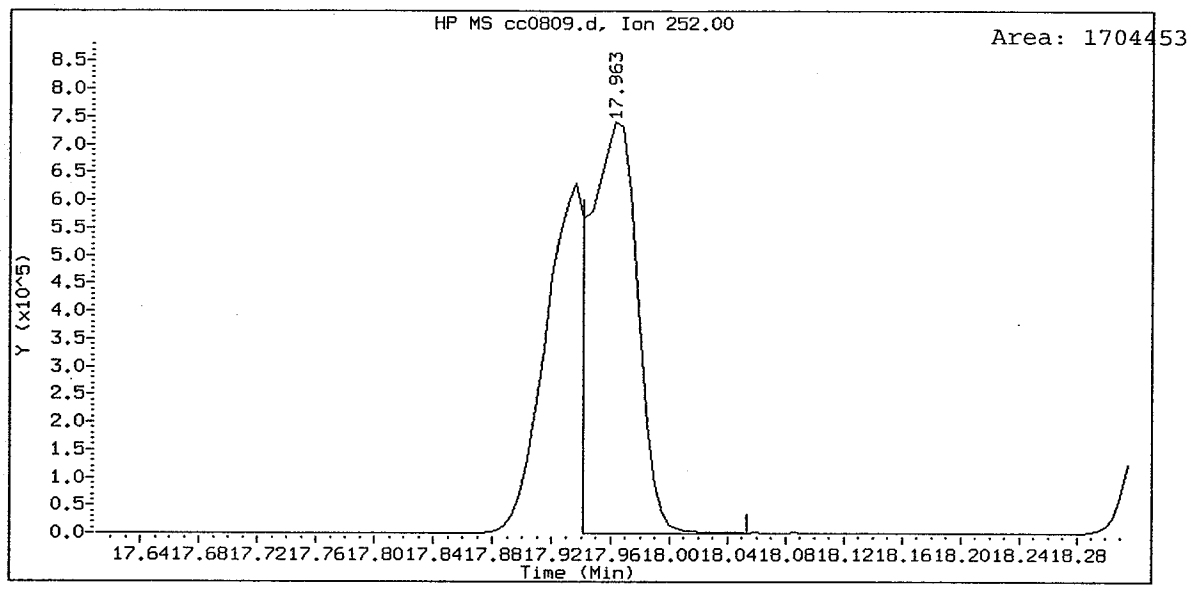
Benzoic acid Amount: 30.29

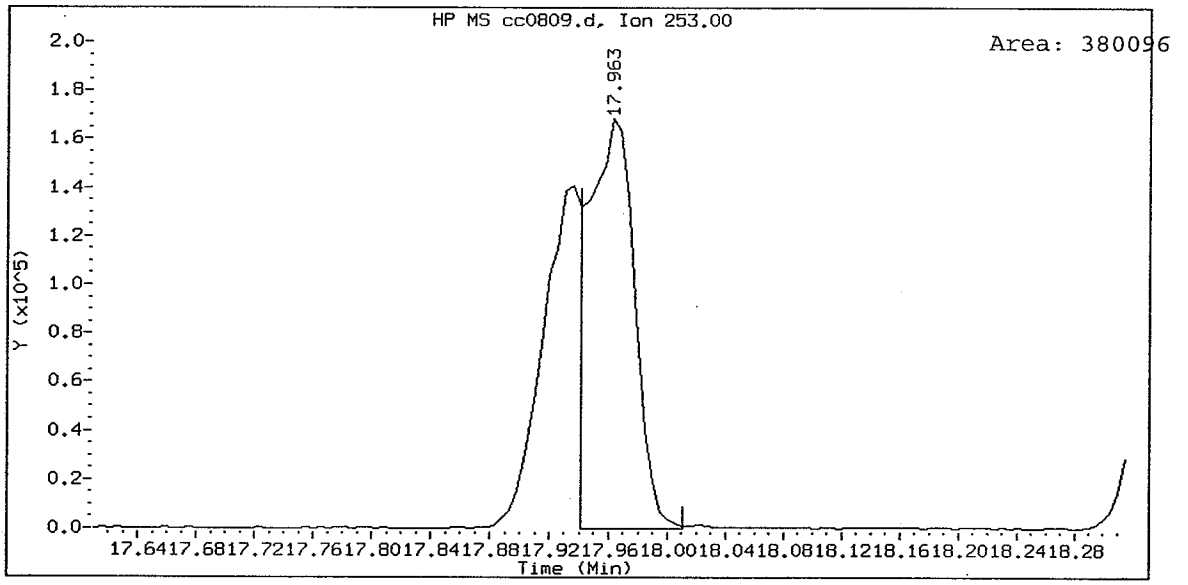


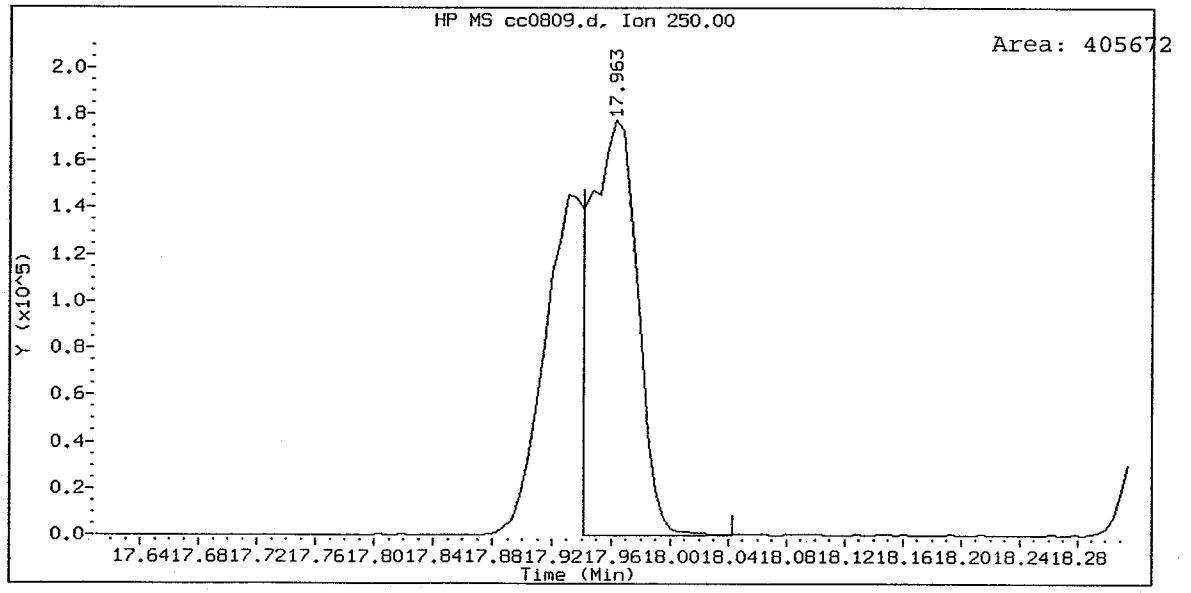




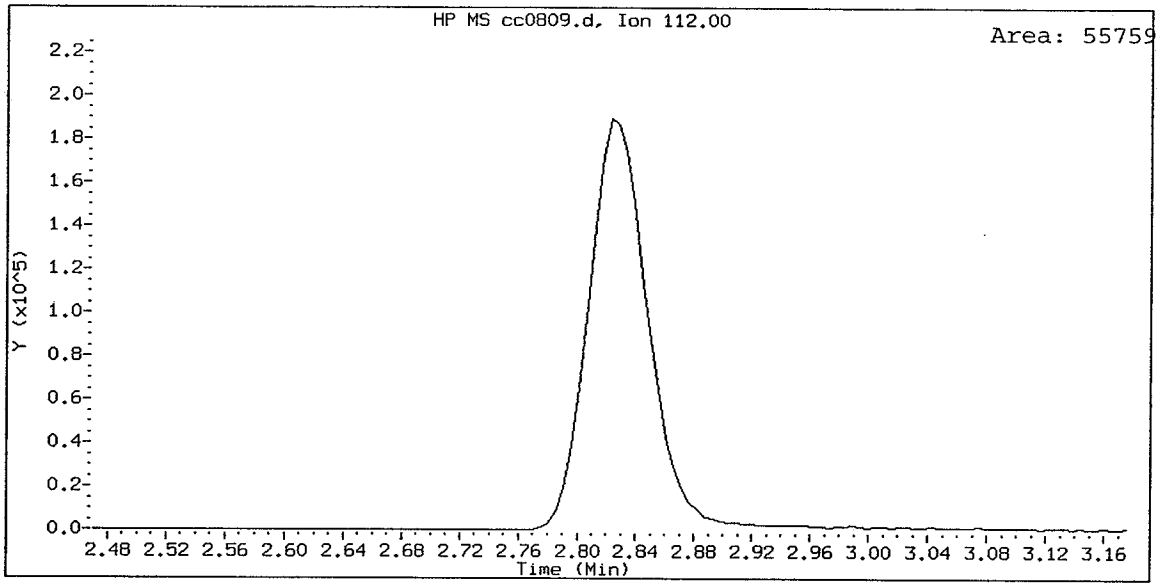
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
Benzo(k)fluoranthene Amount: 34.80

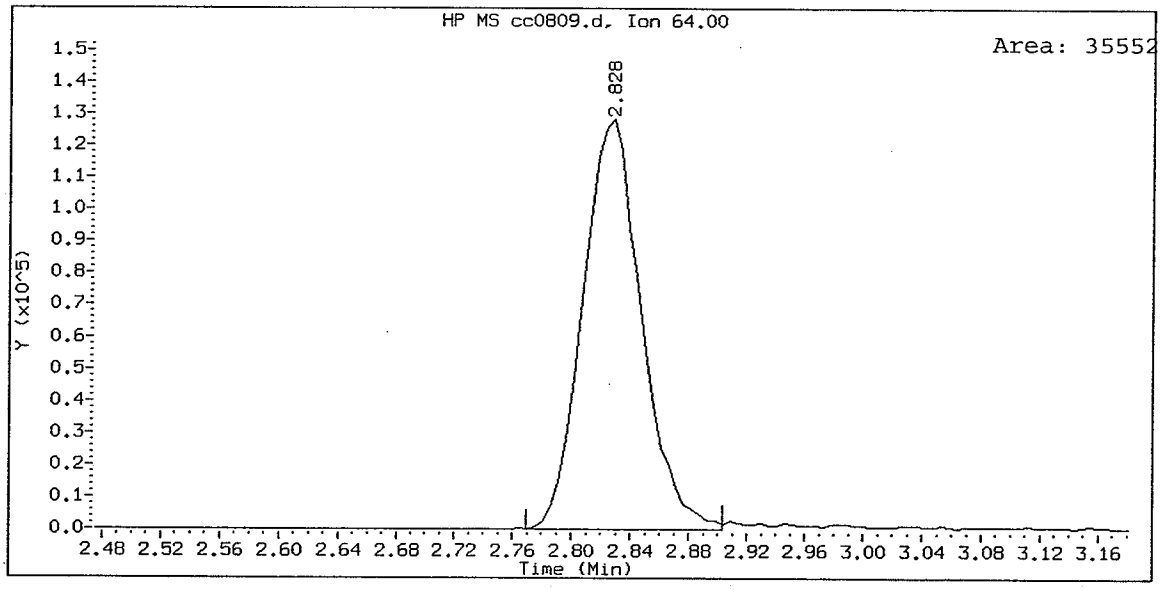




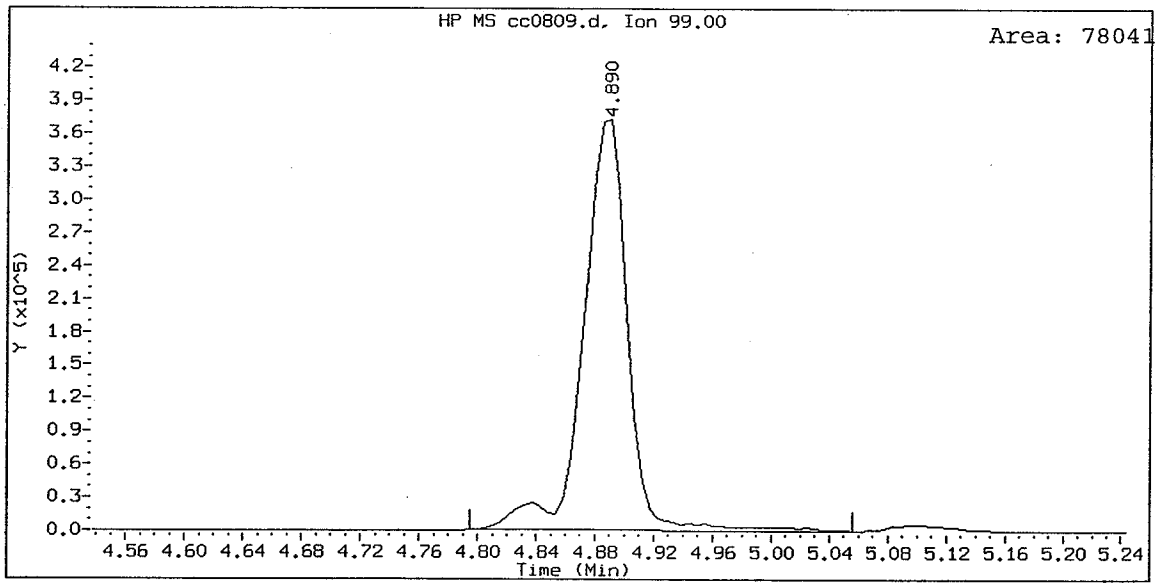


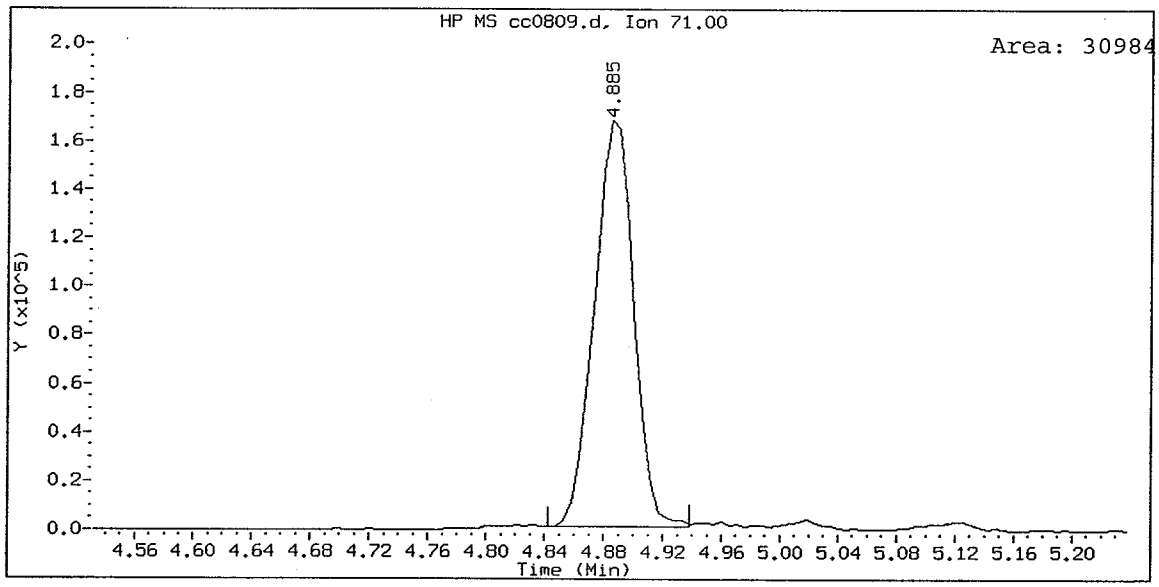
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
2-Fluorophenol Amount: 23.26

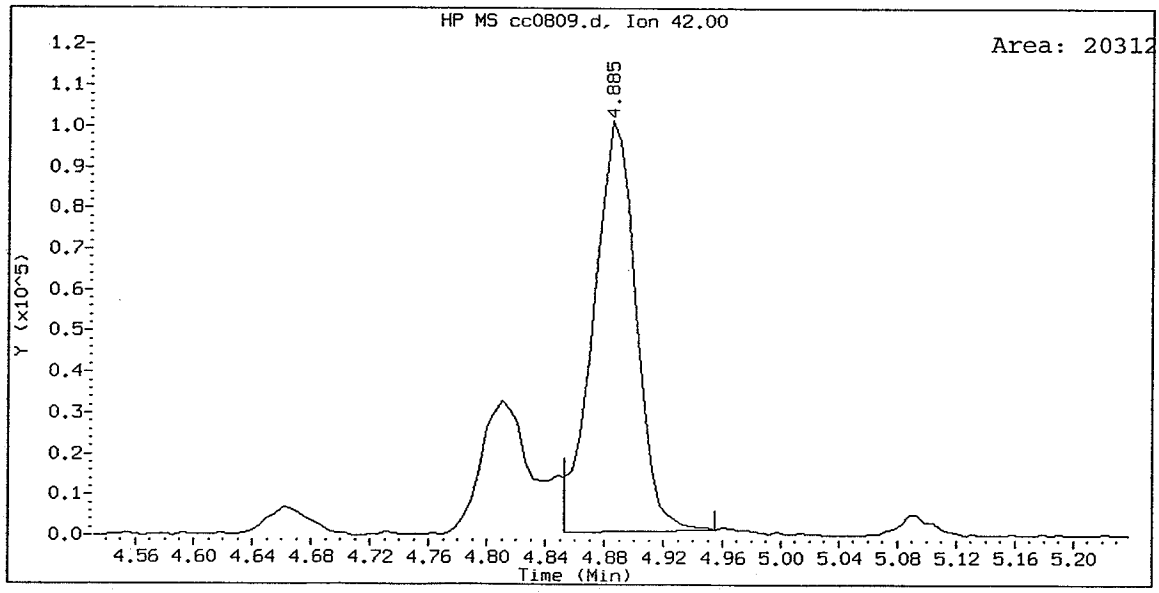




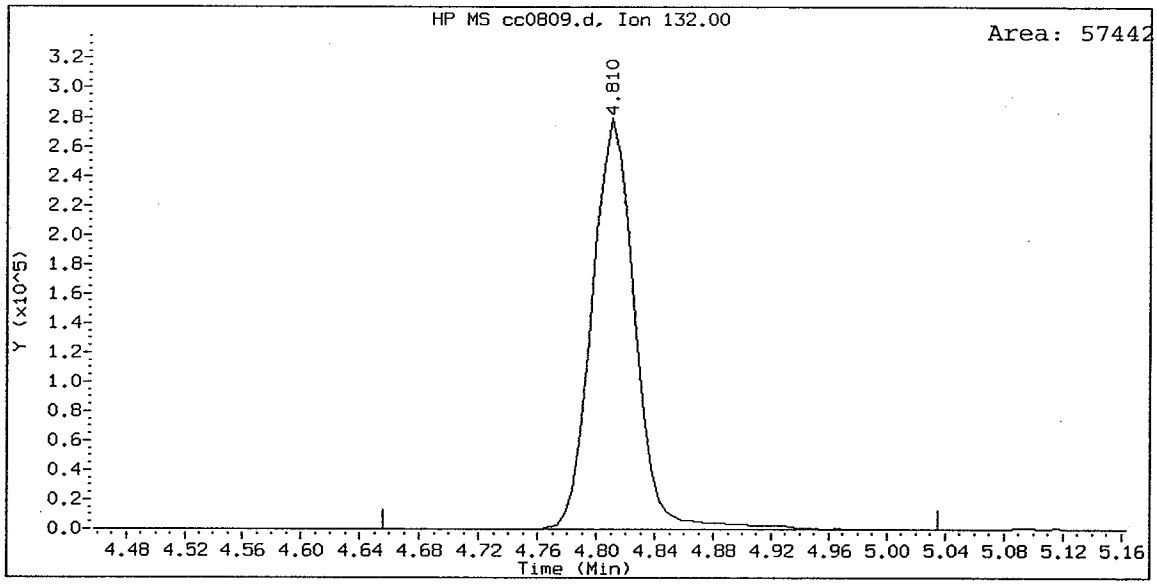
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
Phenol-d5 Amount: 26.87

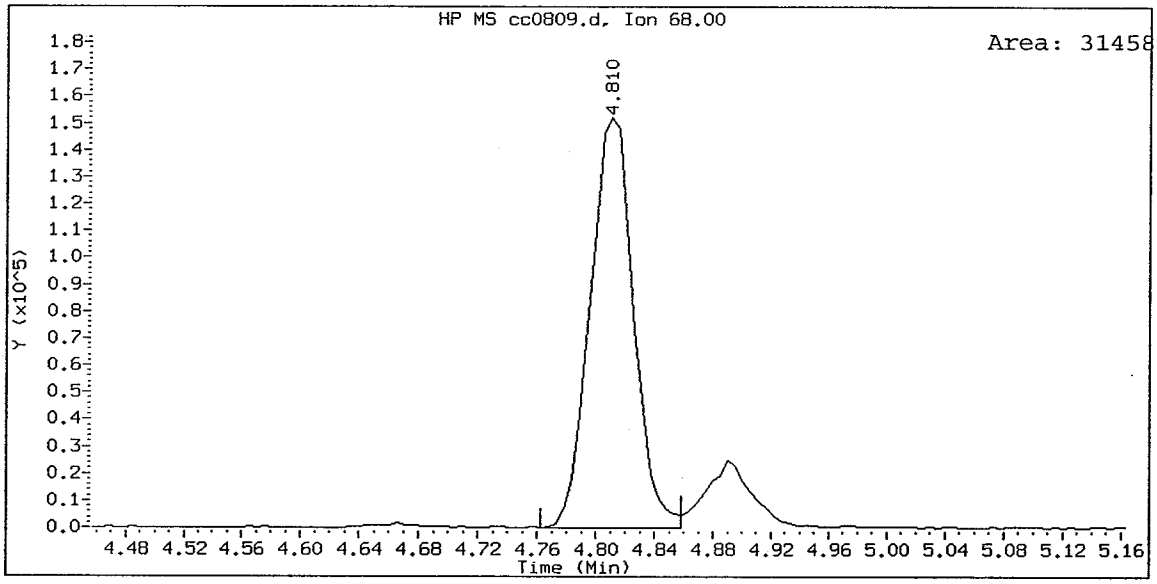


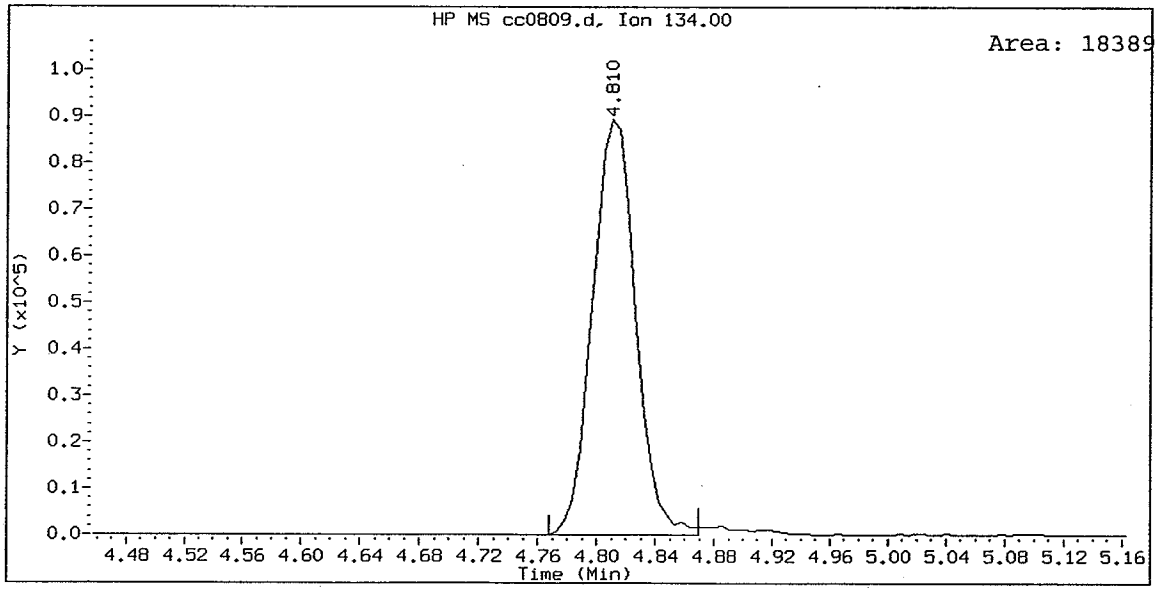




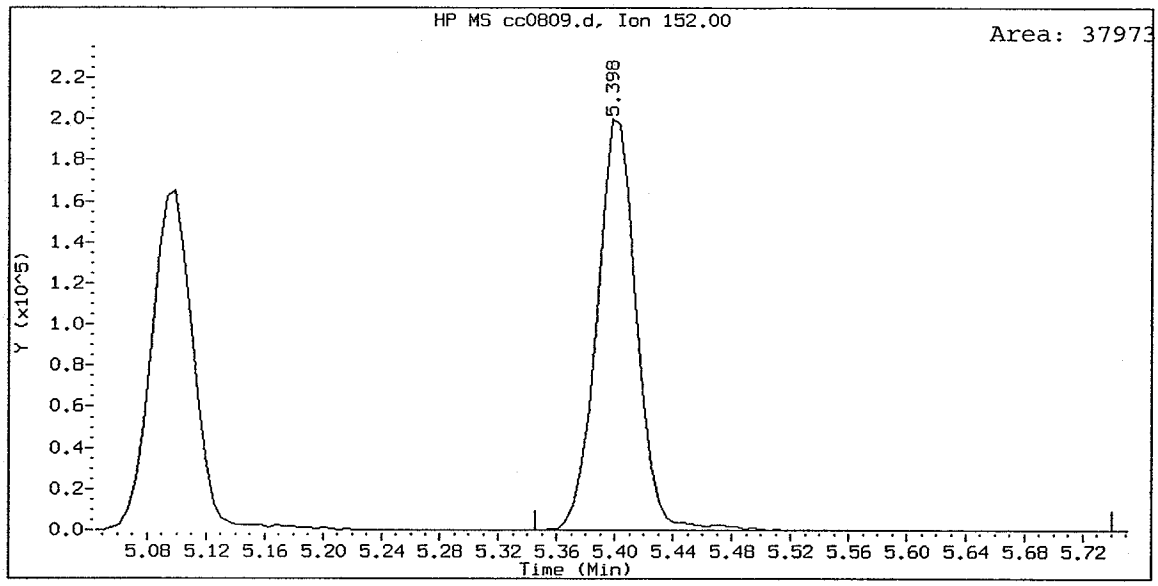
ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
2-Chlorophenol-d4 Amount: 23.32

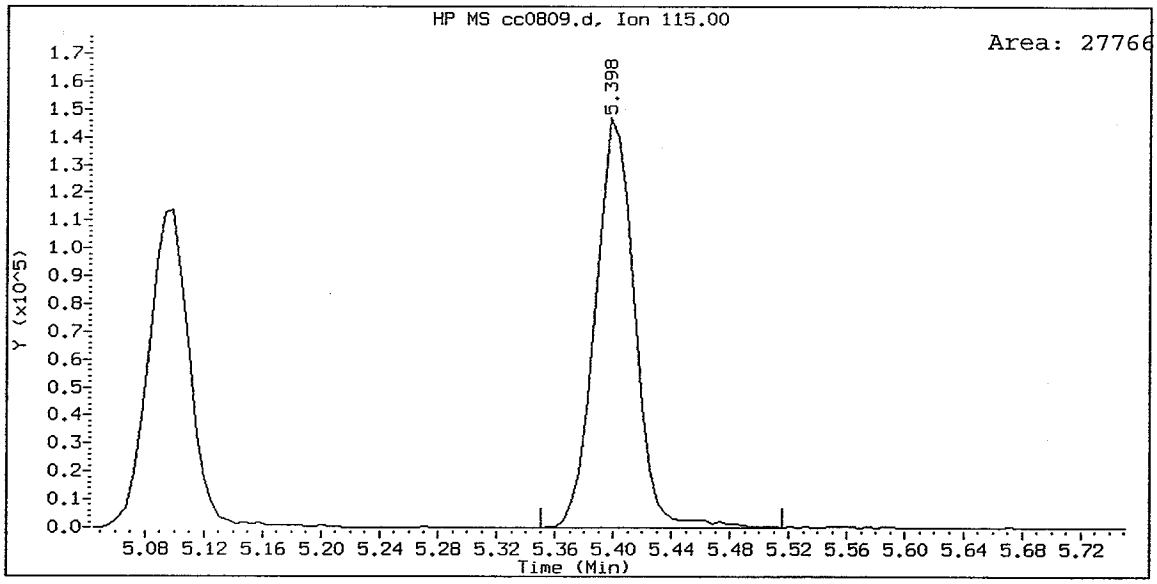


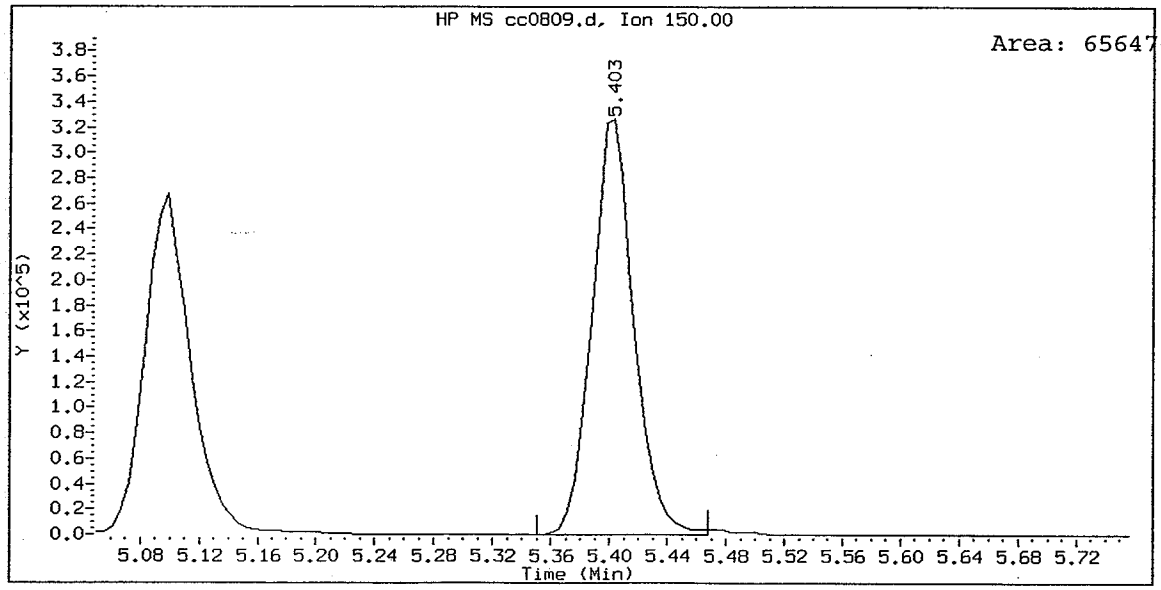




ABN 25, /chem1/nt6.i/20060809.b/cc0809.d
1,2-Dichlorobenzene-d4 Amount: 23.92







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

LJR
8/9/06

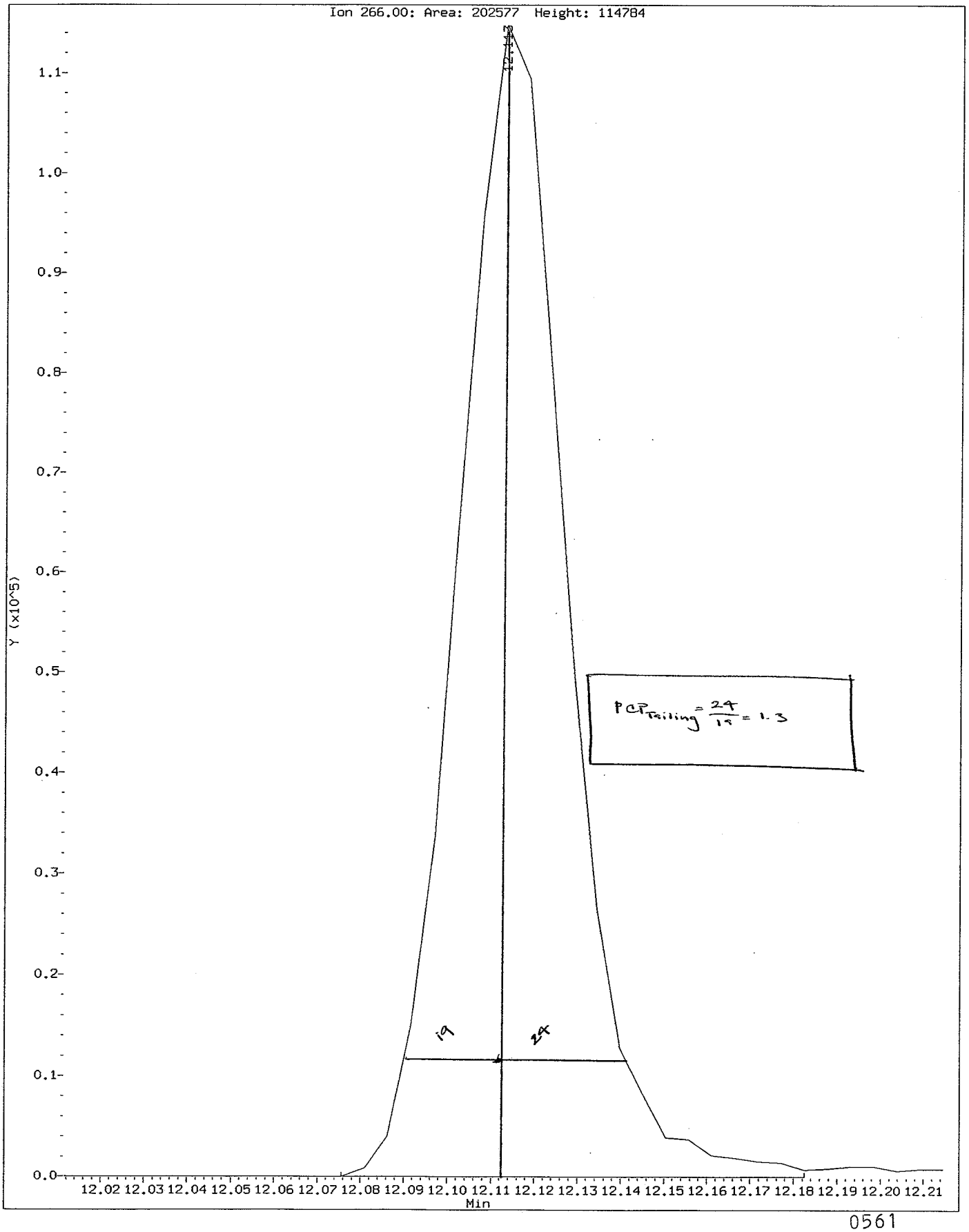
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 37529) * 100}{(0 + 37529 + 384529)}$$

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:

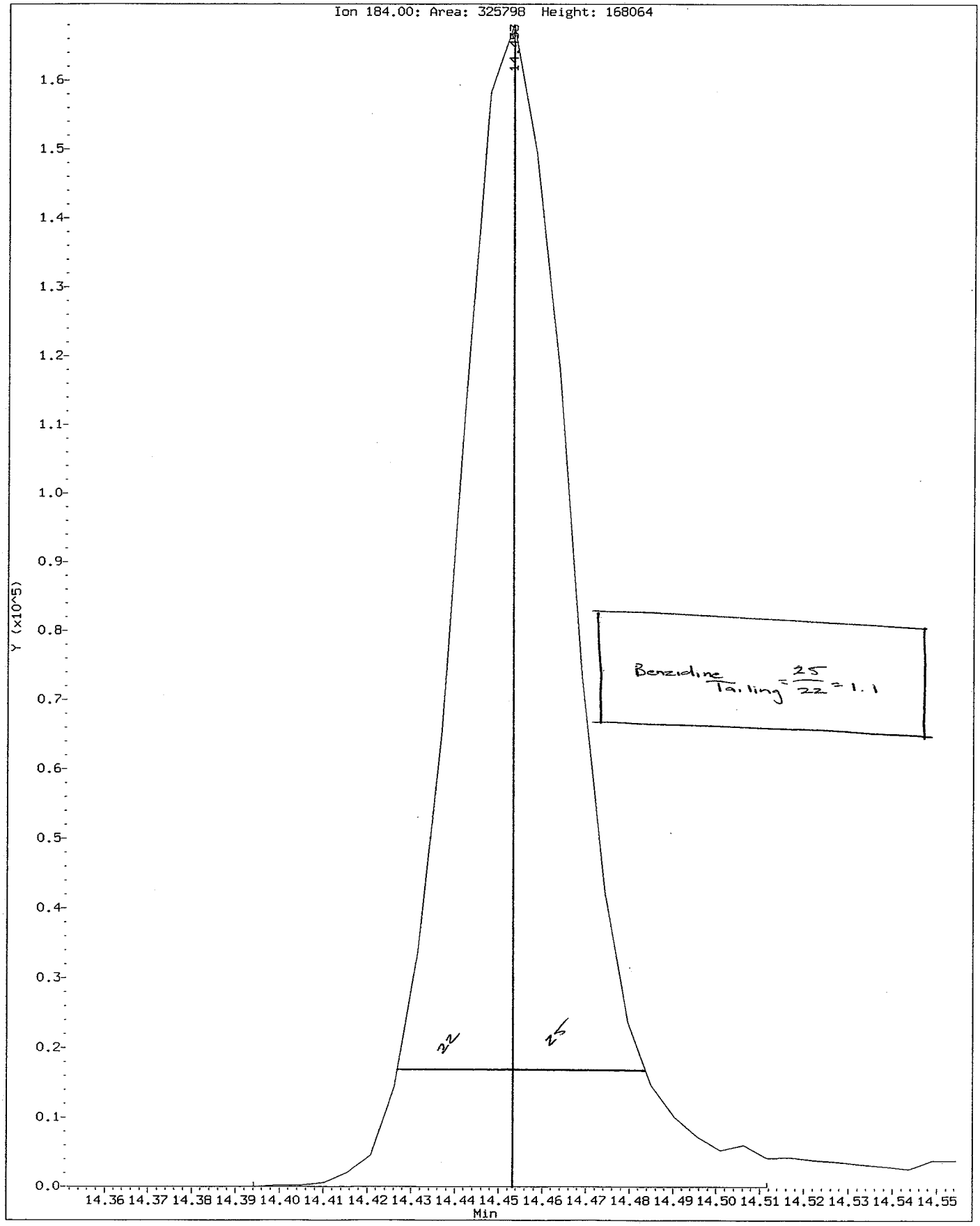
Compound: Pentachlorophenol
CAS Number: 87-86-5



0561

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: Benzidine
CAS Number:



Semivolatile Organics
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

Data File: /chem1/nt6.i/20060705.b/tune.b/0250705.d

Date : 05-JUL-2006 10:16

Client ID:

Instrument: nt6.i

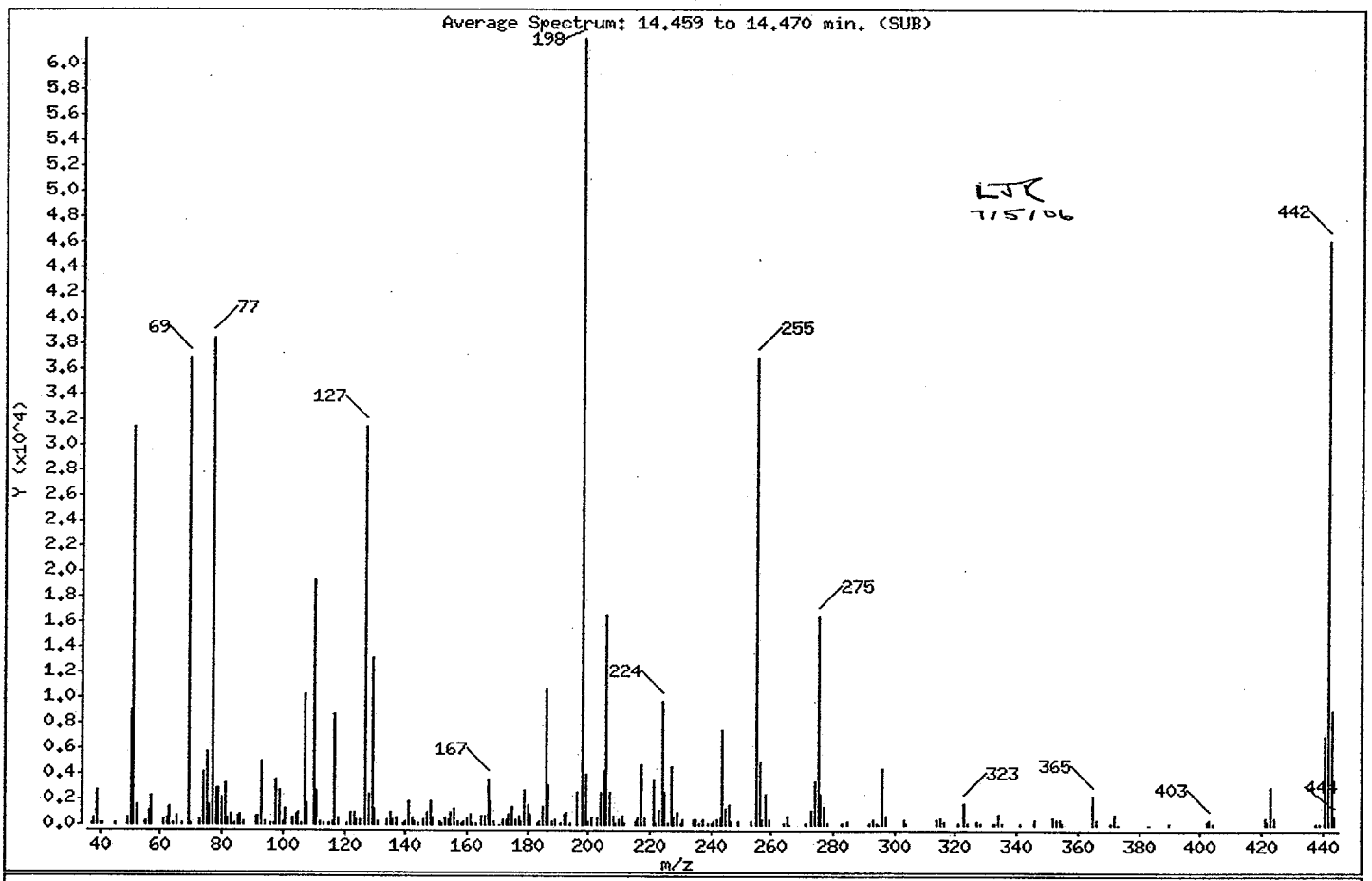
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

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	50.77
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	59.54
70	Less than 2.00% of mass 69	0.33 (0.56)
127	25.00 - 75.00% of mass 198	50.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.36
275	10.00 - 30.00% of mass 198	26.60
365	Greater than 0.75% of mass 198	3.73
441	Present, but less than mass 443	11.32
442	40.00 - 110.00% of mass 198	74.52
443	15.00 - 24.00% of mass 442	14.43 (19.37)

Data File: /chem1/nt6.i/20060705.b/tune.b/0250705.d

Date : 05-JUL-2006 10:16

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250705.d

Spectrum: Average Spectrum: 14.459 to 14.470 min. (SUB)

Location of Maximum: 198.00

Number of points: 232

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	196	118.00	554	188.00	289	271.00	78
38.00	604	121.00	77	189.00	488	273.00	1191
39.00	2711	122.00	991	191.00	196	274.00	3389
40.00	148	123.00	1020	192.00	808	275.00	16472
41.00	190	124.00	453	193.00	981	276.00	2385
45.00	72	125.00	358	194.00	87	277.00	1379
49.00	564	127.00	31384	196.00	2502	278.00	118
50.00	8950	128.00	2494	198.00	61952	283.00	87
51.00	31448	129.00	13156	199.00	3938	285.00	317
52.00	1622	130.00	1258	200.00	317	292.00	77
55.00	283	131.00	225	201.00	574	293.00	427
56.00	1108	134.00	480	203.00	576	294.00	75
57.00	2273	135.00	979	204.00	2565	295.00	70
61.00	484	136.00	390	205.00	4253	296.00	4442
62.00	513	137.00	578	206.00	16544	297.00	657
63.00	1471	139.00	112	207.00	2573	303.00	454
64.00	178	140.00	340	208.00	745	304.00	196
65.00	647	141.00	1818	209.00	78	314.00	362
67.00	72	142.00	512	210.00	469	315.00	594
69.00	36888	143.00	353	211.00	760	316.00	286
70.00	205	144.00	79	212.00	135	321.00	79
73.00	391	146.00	404	215.00	321	323.00	1659
74.00	4168	147.00	978	216.00	521	324.00	189
75.00	5689	148.00	1895	217.00	4653	327.00	220
76.00	1601	149.00	507	218.00	543	328.00	75
77.00	38448	151.00	271	221.00	3526	332.00	90
78.00	2869	152.00	160	222.00	109	333.00	145
79.00	2879	153.00	628	223.00	1160	334.00	915
80.00	2194	154.00	384	224.00	9742	335.00	84
81.00	3307	155.00	971	225.00	2518	341.00	105
82.00	629	156.00	1291	226.00	189	346.00	395
83.00	823	157.00	313	227.00	4541	352.00	565
84.00	189	158.00	172	228.00	622	353.00	393
85.00	645	159.00	221	229.00	952	354.00	386
86.00	841	160.00	536	230.00	93	355.00	83

Data File: /chem1/nt6.i/20060705.b/tune.b/0250705.d

Date : 05-JUL-2006 10:16

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250705.d

Spectrum: Average Spectrum: 14.459 to 14.470 min. (SUB)

Location of Maximum: 198.00

Number of points: 232

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	303	161.00	853	231.00	435	365.00	2310
91.00	686	162.00	146	234.00	396	366.00	361
92.00	773	163.00	79	235.00	459	371.00	85
93.00	4935	165.00	731	236.00	197	372.00	830
94.00	337	166.00	710	237.00	374	373.00	69
96.00	90	167.00	3504	239.00	192	383.00	71
97.00	77	168.00	1805	240.00	83	390.00	81
98.00	3507	169.00	308	241.00	243	402.00	252
99.00	2686	171.00	69	242.00	452	403.00	407
100.00	292	172.00	380	243.00	607	404.00	175
101.00	1350	173.00	426	244.00	7403	421.00	554
103.00	641	174.00	797	245.00	1258	422.00	250
104.00	918	175.00	1421	246.00	1514	423.00	2953
105.00	1030	176.00	394	247.00	333	424.00	596
106.00	109	177.00	691	249.00	301	438.00	181
107.00	10276	178.00	290	253.00	256	439.00	199
108.00	1675	179.00	2673	255.00	36880	441.00	7012
110.00	19256	180.00	1587	256.00	4967	442.00	46168
111.00	2649	181.00	804	257.00	493	443.00	8942
112.00	304	183.00	84	258.00	2453	444.00	779
113.00	76	184.00	263	259.00	474		
115.00	90	185.00	1360	264.00	88		
116.00	286	186.00	10663	265.00	732		
117.00	8714	187.00	3170	266.00	70		

Data File: /chem1/nt6.i/20060705.b/tune.b/0250705.d

Date : 05-JUL-2006 10:16

Client ID:

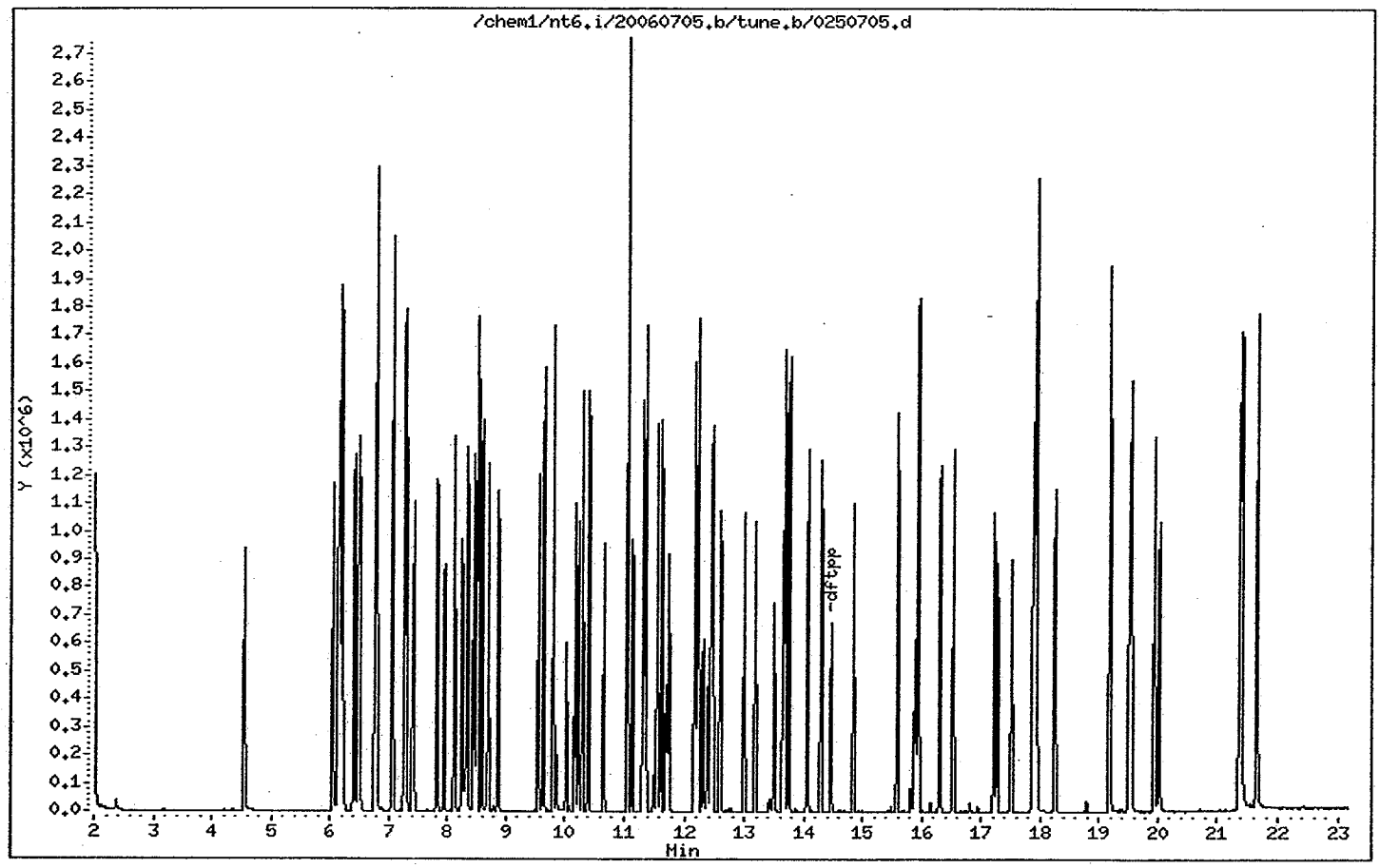
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060807.b/tune.b/cc0807.d

Date : 07-AUG-2006 09:54

Client ID:

Instrument: nt6.i

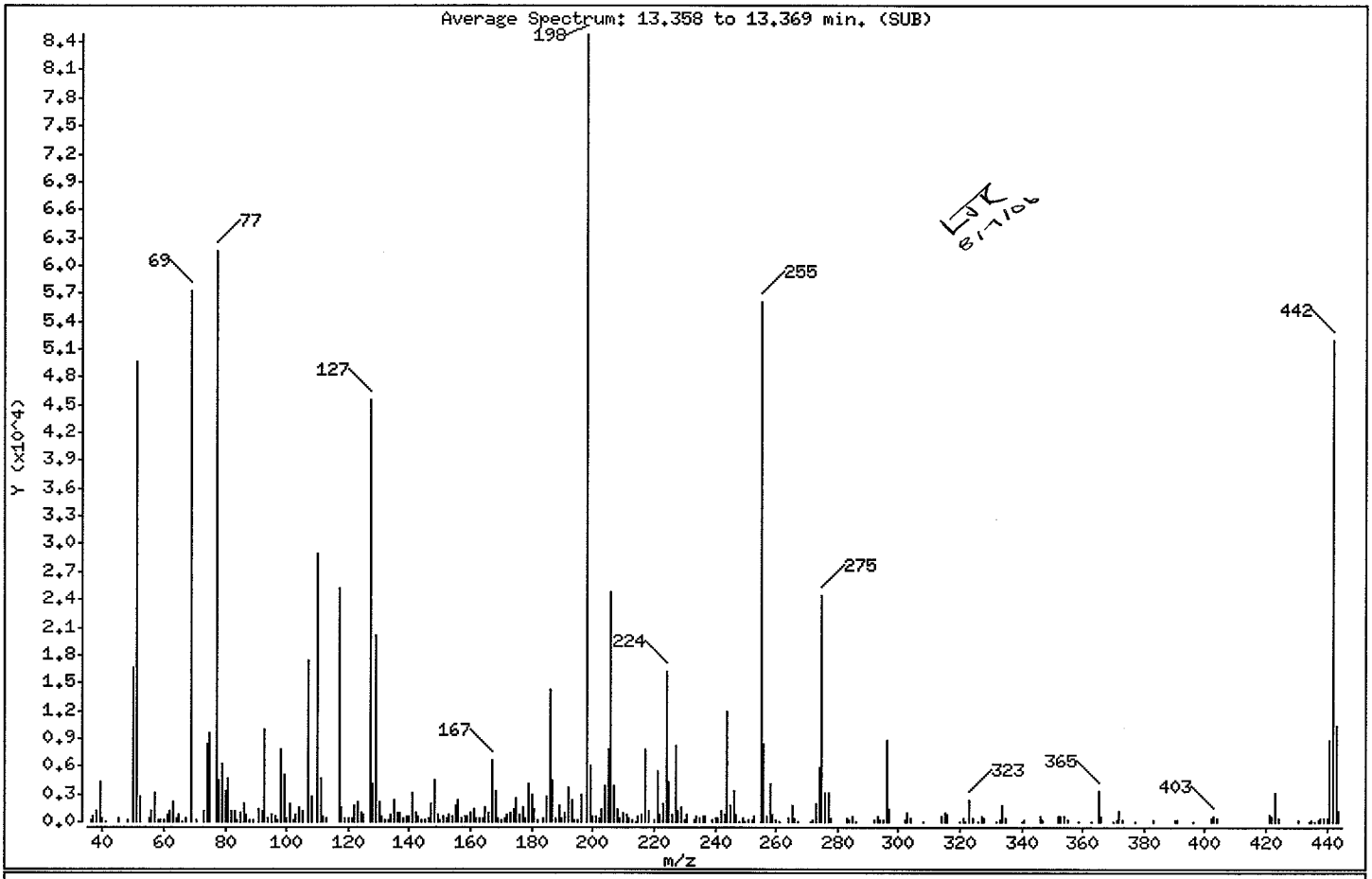
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

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	58.57
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	67.47
70	Less than 2.00% of mass 69	0.00 (0.00)
127	25.00 - 75.00% of mass 198	53.59
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.16
275	10.00 - 30.00% of mass 198	28.75
365	Greater than 0.75% of mass 198	4.02
441	Present, but less than mass 443	10.29
442	40.00 - 110.00% of mass 198	61.24
443	15.00 - 24.00% of mass 442	12.11 (19.78)

Data File: /chem1/nt6.i/20060807.b/tune.b/cc0807.d

Date : 07-AUG-2006 09:54

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0807.d

Spectrum: Average Spectrum: 13.358 to 13.369 min. (SUB)

Location of Maximum: 198.00

Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	239	125.00	783	199.00	6072	283.00	482
37.00	652	127.00	45440	200.00	648	284.00	197
38.00	1245	128.00	4124	201.00	610	285.00	576
39.00	4256	129.00	20216	202.00	383	286.00	90
40.00	378	130.00	2078	203.00	1274	292.00	113
41.00	9	131.00	501	204.00	3849	293.00	505
45.00	412	132.00	252	205.00	7757	294.00	118
48.00	138	133.00	104	206.00	24880	295.00	125
50.00	16680	134.00	749	207.00	3904	296.00	8813
51.00	49672	135.00	2290	208.00	1327	297.00	1343
52.00	2802	136.00	916	209.00	428	302.00	290
55.00	396	137.00	978	210.00	925	303.00	930
56.00	1262	138.00	446	211.00	858	304.00	314
57.00	3217	139.00	543	212.00	475	308.00	83
58.00	131	140.00	568	213.00	133	314.00	490
59.00	163	141.00	3105	214.00	75	315.00	901
60.00	207	142.00	938	215.00	497	316.00	765
61.00	755	143.00	627	216.00	777	320.00	86
62.00	1087	144.00	206	217.00	7821	321.00	344
63.00	2088	145.00	232	218.00	1206	322.00	85
64.00	419	146.00	480	220.00	136	323.00	2254
65.00	817	147.00	1923	221.00	5545	324.00	369
66.00	73	148.00	4427	222.00	717	326.00	68
67.00	409	149.00	860	223.00	1953	327.00	516
69.00	57208	150.00	219	224.00	16129	328.00	322
71.00	262	151.00	540	225.00	4303	332.00	90
73.00	1109	152.00	393	226.00	842	333.00	288
74.00	8381	153.00	859	227.00	8262	334.00	1704
75.00	9594	154.00	585	228.00	1085	335.00	384
77.00	61640	155.00	1855	229.00	1588	340.00	70
78.00	4517	156.00	2442	230.00	174	341.00	234
79.00	6209	157.00	356	231.00	743	346.00	493
80.00	3249	158.00	637	233.00	120	347.00	158
81.00	4653	159.00	623	234.00	497	352.00	594
82.00	1270	160.00	1019	235.00	397	353.00	601

Date : 07-AUG-2006 09:54

Client ID: Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5 Column diameter: 0.32

Data File: cc0807.d

Spectrum: Average Spectrum: 13.358 to 13.369 min. (SUB)

Location of Maximum: 198.00

Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1265	161.00	1359	236.00	593	354.00	583
84.00	151	162.00	426	237.00	534	355.00	191
85.00	949	163.00	444	239.00	246	359.00	90
86.00	1969	164.00	312	240.00	349	363.00	89
87.00	812	165.00	1543	241.00	447	365.00	3410
88.00	182	166.00	1047	242.00	1130	366.00	585
89.00	191	167.00	6613	243.00	699	370.00	75
91.00	1449	168.00	3329	244.00	11914	371.00	232
92.00	1268	169.00	446	245.00	1740	372.00	1158
93.00	10020	170.00	194	246.00	3384	373.00	287
94.00	467	171.00	348	247.00	750	377.00	67
95.00	832	172.00	726	248.00	79	383.00	171
96.00	672	173.00	911	249.00	455	390.00	185
97.00	185	174.00	1321	250.00	68	391.00	101
98.00	7789	175.00	2465	251.00	114	396.00	68
99.00	5003	176.00	841	252.00	98	402.00	488
100.00	405	177.00	1611	253.00	529	403.00	646
101.00	1942	178.00	470	255.00	56040	404.00	402
102.00	185	179.00	4080	256.00	8362	421.00	841
103.00	859	180.00	2913	257.00	634	422.00	669
104.00	1596	181.00	1423	258.00	4197	423.00	3163
105.00	1207	182.00	173	259.00	859	424.00	463
107.00	17384	184.00	371	260.00	187	431.00	101
108.00	2653	185.00	2699	261.00	70	434.00	74
110.00	28888	186.00	14356	264.00	339	435.00	212
111.00	4644	187.00	4578	265.00	1695	436.00	77
112.00	506	188.00	445	266.00	363	437.00	104
113.00	471	189.00	1749	267.00	96	438.00	466
117.00	25176	190.00	476	271.00	68	439.00	382
118.00	1477	191.00	953	272.00	132	440.00	413
119.00	430	192.00	3664	273.00	1998	441.00	8726
120.00	351	193.00	2272	274.00	5808	442.00	51928
121.00	351	194.00	231	275.00	24384	443.00	10271
122.00	1709	195.00	169	276.00	3223	444.00	1101
123.00	2092	196.00	2867	277.00	3045		

Data File: /chem1/nt6.i/20060807.b/tune.b/cc0807.d

Date : 07-AUG-2006 09:54

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0807.d

Spectrum: Average Spectrum: 13.358 to 13.369 min. (SUB)

Location of Maximum: 198.00

Number of points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	880	198.00	84800	278.00	464		

Data File: /chem1/nt6.i/20060807.b/tune.b/cc0807.d

Date : 07-AUG-2006 09:54

Client ID:

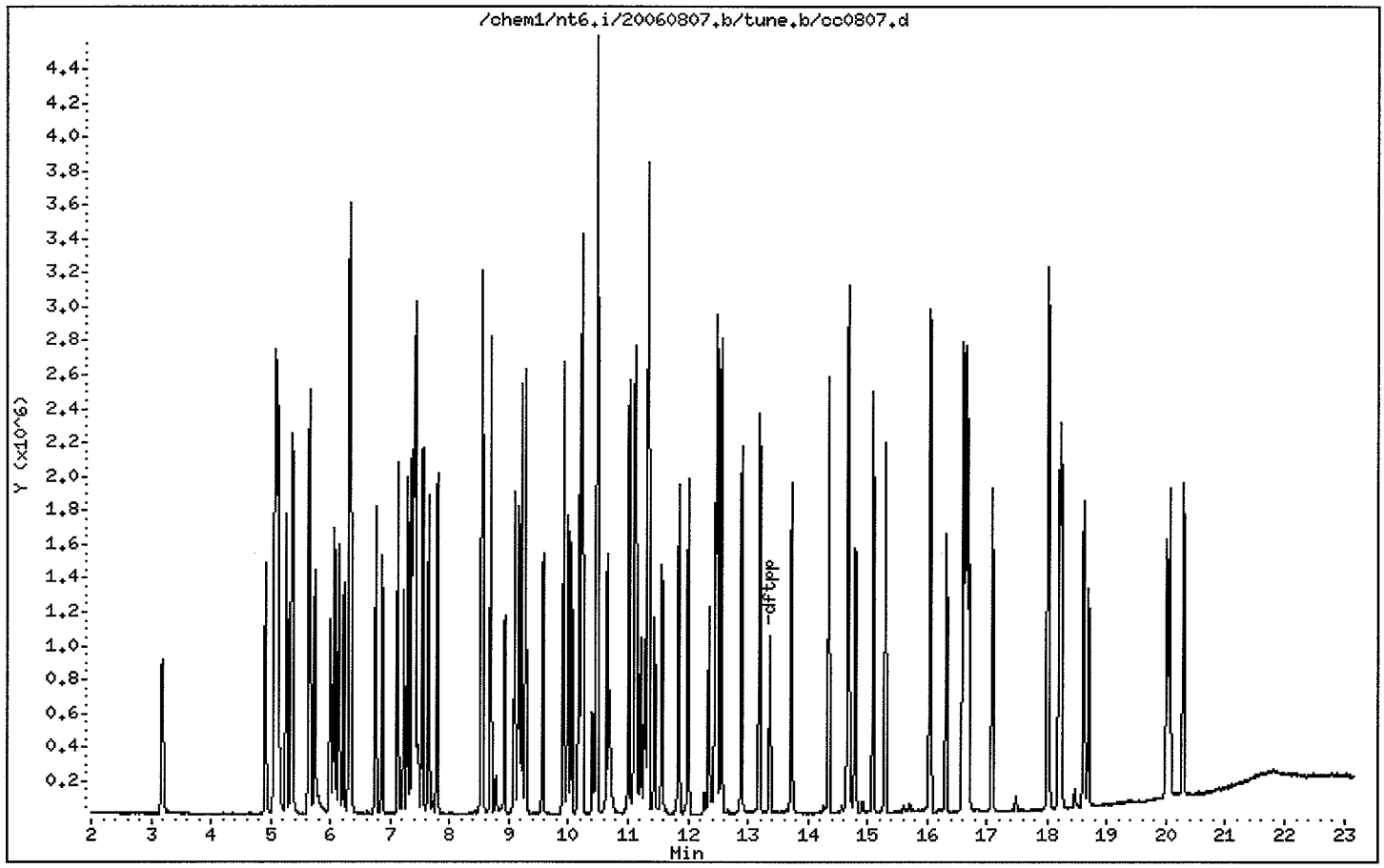
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060808.b/tune.b/cc0808.d

Date : 08-AUG-2006 13:13

Client ID:

Instrument: nt6.i

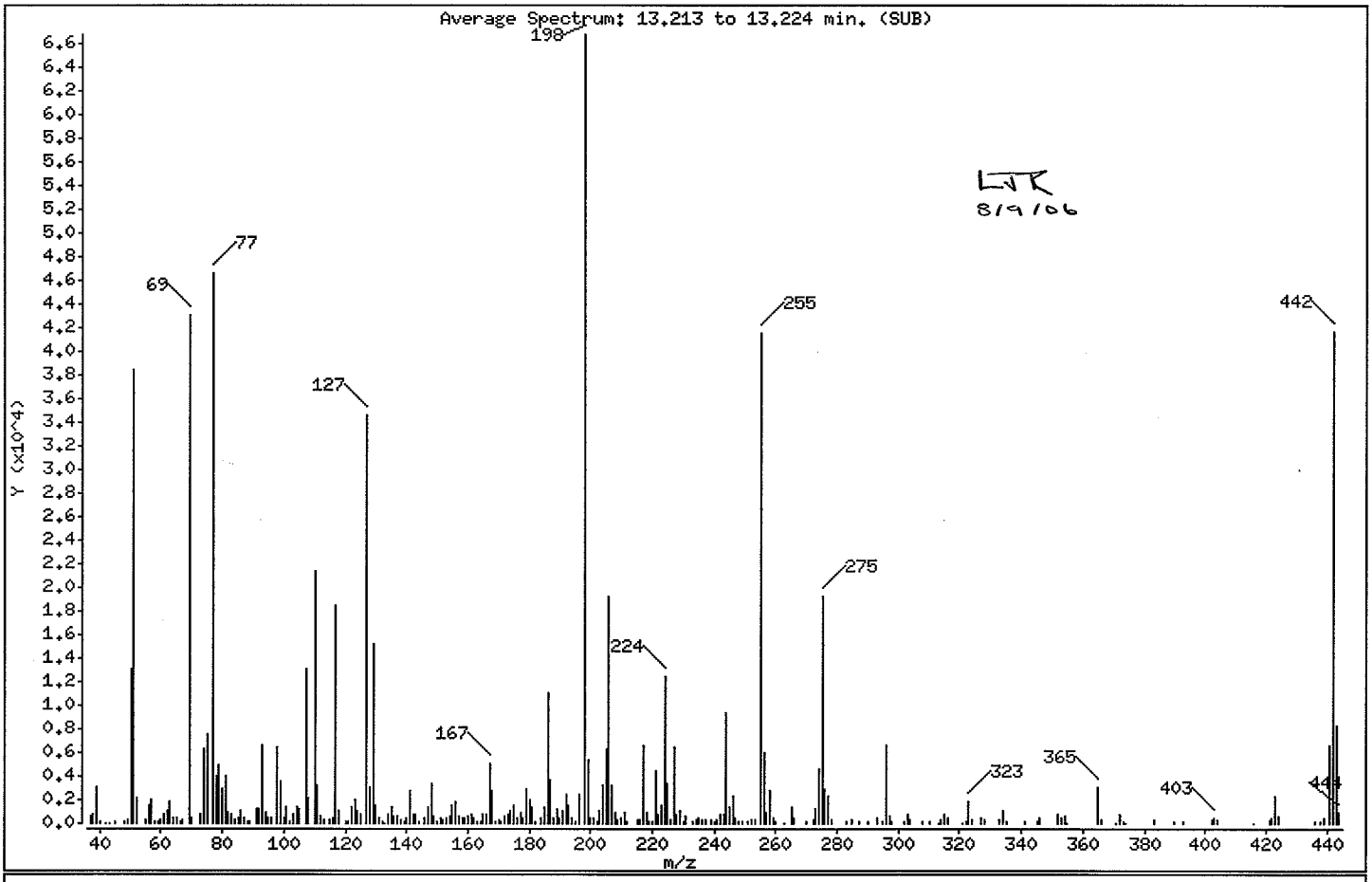
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

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	57.69
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	64.52
70	Less than 2.00% of mass 69	0.78 (1.22)
127	25.00 - 75.00% of mass 198	51.77
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	8.05
275	10.00 - 30.00% of mass 198	28.88
365	Greater than 0.75% of mass 198	4.54
441	Present, but less than mass 443	9.90
442	40.00 - 110.00% of mass 198	62.47
443	15.00 - 24.00% of mass 442	12.44 (19.92)

Data File: /chem1/nt6.i/20060808.b/tune.b/cc0808.d

Date : 08-AUG-2006 13:13

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0808.d

Spectrum: Average Spectrum: 13.213 to 13.224 min. (SUB)

Location of Maximum: 198.00

Number of points: 267

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	630	120.00	83	190.00	395	270.00	104
38.00	741	121.00	164	191.00	1016	272.00	295
39.00	3139	122.00	1443	192.00	2442	273.00	1182
40.00	108	123.00	2017	193.00	1508	274.00	4667
42.00	67	124.00	1004	194.00	434	275.00	19280
43.00	54	125.00	784	195.00	82	276.00	2870
45.00	170	127.00	34568	196.00	2511	277.00	2286
48.00	121	128.00	3139	198.00	66768	278.00	369
49.00	317	129.00	15259	199.00	5374	283.00	201
50.00	13043	130.00	1602	200.00	406	285.00	249
51.00	38520	131.00	418	201.00	398	287.00	80
52.00	2113	132.00	100	202.00	152	290.00	136
55.00	231	133.00	70	203.00	1037	293.00	425
56.00	1514	134.00	750	204.00	3266	295.00	164
57.00	1924	135.00	1380	205.00	6270	296.00	6574
58.00	189	136.00	552	206.00	19168	297.00	681
59.00	101	137.00	650	207.00	3296	298.00	79
60.00	349	138.00	300	208.00	946	302.00	81
61.00	751	139.00	161	209.00	291	303.00	795
62.00	1104	140.00	406	210.00	533	304.00	291
63.00	1788	141.00	2748	211.00	937	308.00	170
64.00	473	142.00	712	212.00	194	310.00	91
65.00	456	143.00	729	215.00	305	313.00	70
66.00	84	144.00	142	216.00	289	314.00	231
67.00	291	146.00	403	217.00	6559	315.00	735
69.00	43080	147.00	1330	218.00	916	316.00	514
70.00	524	148.00	3365	219.00	163	321.00	76
73.00	766	149.00	661	220.00	110	322.00	121
74.00	6260	150.00	97	221.00	4471	323.00	1837
75.00	7477	151.00	517	222.00	697	324.00	271
77.00	46624	152.00	328	223.00	1473	327.00	503
78.00	3956	153.00	533	224.00	12451	328.00	365
79.00	4958	154.00	577	225.00	3374	333.00	293
80.00	2898	155.00	1524	226.00	308	334.00	1077
81.00	4011	156.00	1863	227.00	6407	335.00	126

Data File: /chem1/nt6.i/20060808.b/tune.b/cc0808.d

Date : 08-AUG-2006 13:13

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0808.d

Spectrum: Average Spectrum: 13.213 to 13.224 min. (SUB)

Location of Maximum: 198.00

Number of points: 267

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	943	157.00	668	228.00	763	341.00	161
83.00	756	158.00	471	229.00	1136	345.00	91
84.00	334	159.00	393	230.00	227	346.00	409
85.00	505	160.00	608	231.00	573	352.00	746
86.00	1101	161.00	752	233.00	146	353.00	447
87.00	455	162.00	455	234.00	348	354.00	615
88.00	212	163.00	122	235.00	513	355.00	76
89.00	227	164.00	195	236.00	237	365.00	3033
91.00	1236	165.00	840	237.00	243	366.00	360
92.00	1294	166.00	701	239.00	354	371.00	69
93.00	6673	167.00	5046	240.00	147	372.00	814
94.00	927	168.00	2717	241.00	316	373.00	108
95.00	503	169.00	217	242.00	788	374.00	74
96.00	426	170.00	246	243.00	727	383.00	289
98.00	6400	171.00	230	244.00	9359	390.00	90
99.00	3596	172.00	544	245.00	1415	393.00	91
100.00	405	173.00	766	246.00	2343	402.00	283
101.00	1379	174.00	1070	247.00	439	403.00	417
102.00	201	175.00	1530	248.00	80	404.00	250
103.00	732	176.00	511	249.00	140	416.00	68
104.00	1332	177.00	957	251.00	81	421.00	351
105.00	1224	178.00	436	252.00	323	422.00	476
107.00	13116	179.00	2944	253.00	345	423.00	2318
108.00	2186	180.00	2028	255.00	41520	424.00	605
110.00	21448	181.00	1336	256.00	5968	436.00	83
111.00	3268	182.00	93	257.00	889	438.00	167
112.00	616	184.00	442	258.00	2802	439.00	448
113.00	269	185.00	1373	259.00	489	441.00	6613
115.00	369	186.00	11150	260.00	105	442.00	41712
116.00	468	187.00	3626	263.00	75	443.00	8308
117.00	18504	188.00	474	265.00	1388	444.00	889
118.00	1075	189.00	1284	266.00	451		

Data File: /chem1/nt6.i/20060808.b/tune.b/cc0808.d

Date : 08-AUG-2006 13:13

Client ID:

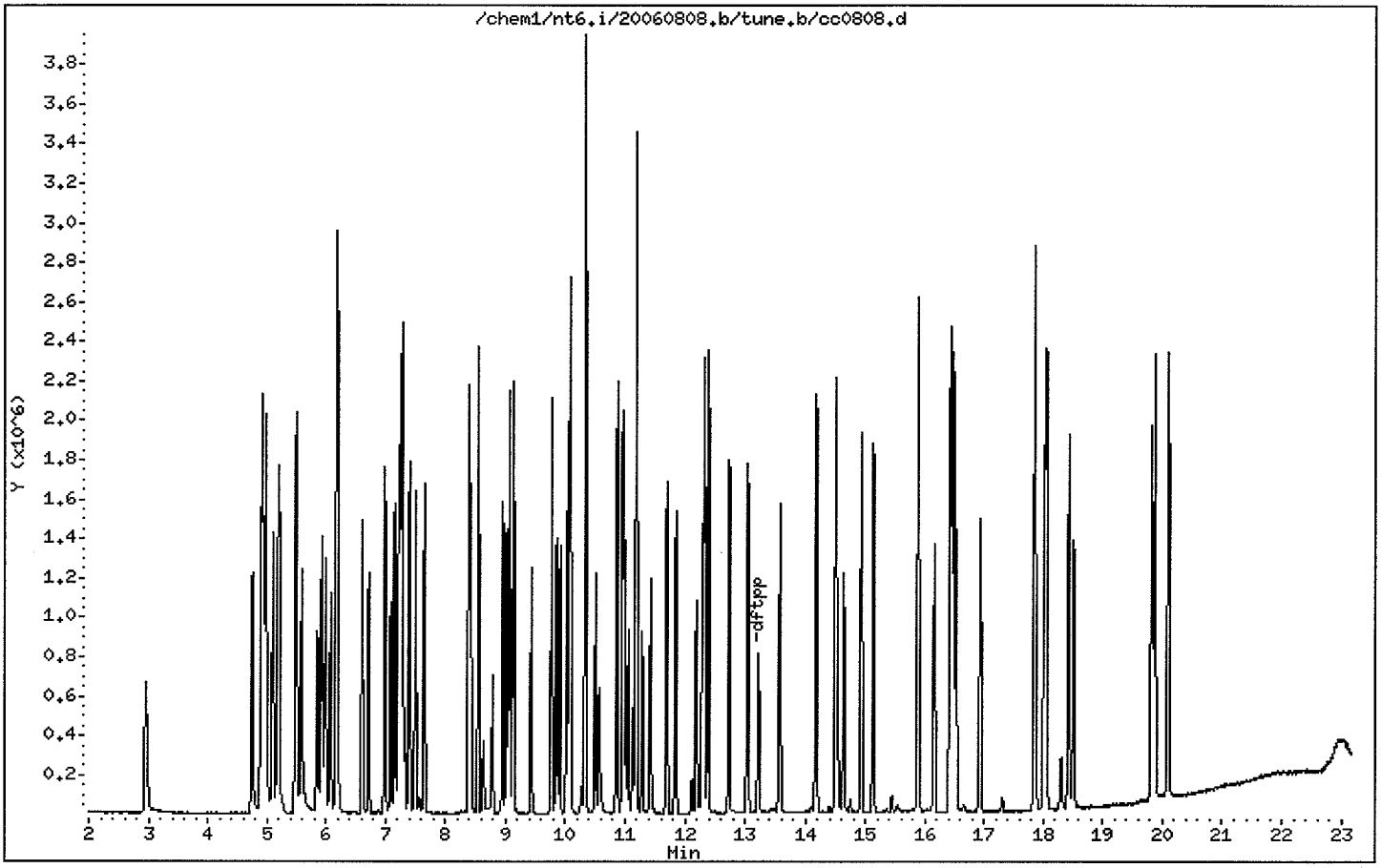
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060809.b/tune.b/cc0809.d

Date : 09-AUG-2006 09:22

Client ID:

Instrument: nt6.i

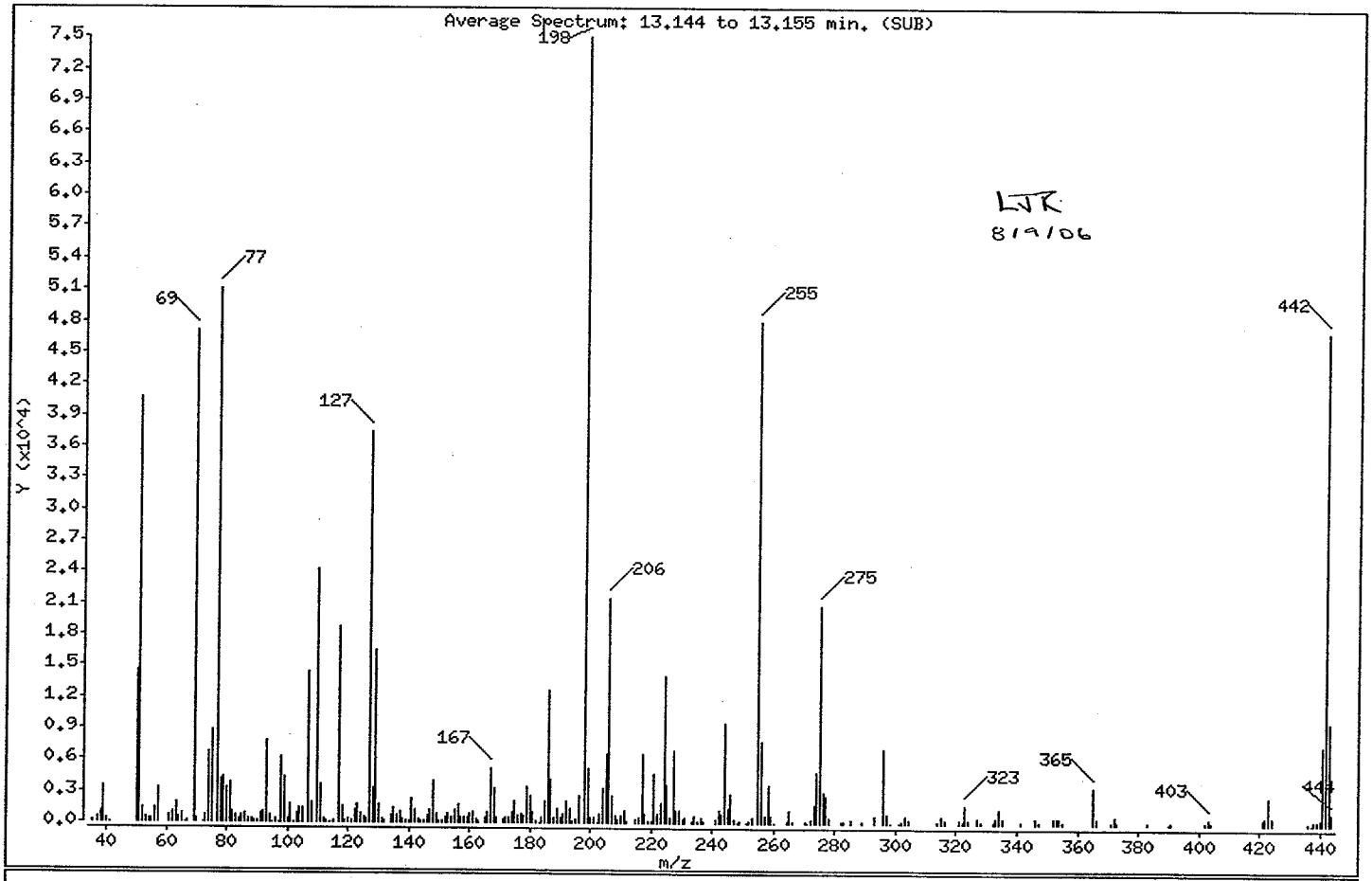
Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

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	54.11
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	62.67
70	Less than 2.00% of mass 69	0.44 (0.70)
127	25.00 - 75.00% of mass 198	49.79
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 30.00% of mass 198	27.65
365	Greater than 0.75% of mass 198	4.72
441	Present, but less than mass 443	9.93
442	40.00 - 110.00% of mass 198	62.61
443	15.00 - 24.00% of mass 442	12.80 (20.45)

Data File: /chem1/nt6.i/20060809.b/tune.b/cc0809.d

Date : 09-AUG-2006 09:22

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0809.d
Spectrum: Average Spectrum: 13.144 to 13.155 min. (SUB)
Location of Maximum: 198.00
Number of points: 264

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	90	120.00	276	190.00	572	272.00	317
37.00	435	121.00	181	191.00	854	273.00	1696
38.00	1113	122.00	1192	192.00	2048	274.00	4876
39.00	3374	123.00	1722	193.00	1351	275.00	20752
40.00	408	124.00	791	194.00	218	276.00	3000
41.00	41	125.00	460	195.00	284	277.00	2514
50.00	14601	126.00	292	196.00	2513	278.00	522
51.00	40624	127.00	37376	198.00	75072	282.00	94
52.00	1449	128.00	3327	199.00	5212	283.00	152
53.00	445	129.00	16440	200.00	571	285.00	423
54.00	344	130.00	1692	201.00	493	289.00	173
55.00	264	131.00	305	202.00	86	293.00	632
56.00	1397	132.00	164	203.00	844	296.00	7176
57.00	3260	134.00	715	204.00	3232	297.00	886
61.00	716	135.00	1374	205.00	6645	298.00	83
62.00	1004	136.00	649	206.00	21472	301.00	68
63.00	1848	137.00	991	207.00	2603	302.00	92
64.00	502	138.00	384	208.00	689	303.00	736
65.00	910	139.00	216	209.00	404	304.00	284
66.00	42	140.00	172	210.00	680	314.00	194
67.00	172	141.00	2318	211.00	1229	315.00	738
69.00	47048	142.00	1152	212.00	152	316.00	390
70.00	329	143.00	373	215.00	321	321.00	353
72.00	68	144.00	147	216.00	551	322.00	186
73.00	677	145.00	144	217.00	6550	323.00	1712
74.00	6680	146.00	606	218.00	866	324.00	372
75.00	8766	147.00	1231	219.00	151	327.00	446
77.00	51096	148.00	3984	220.00	113	328.00	224
78.00	4207	149.00	871	221.00	4745	332.00	110
79.00	4358	150.00	167	222.00	935	333.00	472
80.00	3244	151.00	215	223.00	1924	334.00	1337
81.00	3748	152.00	461	224.00	14003	335.00	490
82.00	959	153.00	835	225.00	3672	341.00	235
83.00	650	154.00	538	226.00	504	346.00	578
84.00	265	155.00	1216	227.00	6854	347.00	90

Data File: /chem1/nt6.i/20060809.b/tune.b/cc0809.d

Date : 09-AUG-2006 09:22

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0809.d
Spectrum: Average Spectrum: 13.144 to 13.155 min. (SUB)
Location of Maximum: 198.00
Number of points: 264

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	648	156.00	1670	228.00	1161	352.00	509
86.00	936	157.00	484	229.00	1224	353.00	500
87.00	346	158.00	501	230.00	405	354.00	533
88.00	405	159.00	454	231.00	505	355.00	90
89.00	104	160.00	835	233.00	102	365.00	3545
90.00	175	161.00	1021	234.00	614	366.00	510
91.00	923	162.00	418	235.00	114	371.00	255
92.00	1024	163.00	91	236.00	552	372.00	727
93.00	7818	165.00	570	237.00	234	373.00	208
94.00	621	166.00	1108	241.00	261	383.00	97
95.00	17	167.00	5270	242.00	1179	390.00	85
96.00	331	168.00	3215	243.00	833	391.00	124
97.00	9	169.00	599	244.00	9514	402.00	216
98.00	6306	171.00	323	245.00	1318	403.00	579
99.00	4358	172.00	469	246.00	2807	404.00	123
100.00	388	173.00	466	247.00	383	421.00	475
101.00	1764	174.00	999	248.00	80	422.00	633
102.00	86	175.00	2084	249.00	95	423.00	2512
103.00	824	176.00	714	251.00	85	424.00	643
104.00	1349	177.00	780	252.00	176	436.00	150
105.00	1298	178.00	614	253.00	483	437.00	74
107.00	14370	179.00	3392	255.00	47976	438.00	346
108.00	1873	180.00	2510	256.00	7722	439.00	347
110.00	24208	181.00	1113	257.00	762	440.00	459
111.00	3620	182.00	173	258.00	3662	441.00	7455
112.00	414	183.00	74	259.00	723	442.00	47000
113.00	89	184.00	598	260.00	84	443.00	9611
114.00	69	185.00	2113	264.00	97	444.00	1022
115.00	147	186.00	12612	265.00	1265		
117.00	18744	187.00	4180	266.00	194		
118.00	1627	188.00	534	270.00	198		
119.00	228	189.00	1360	271.00	81		

Data File: /chem1/nt6.i/20060809.b/tune.b/cc0809.d

Date : 09-AUG-2006 09:22

Client ID:

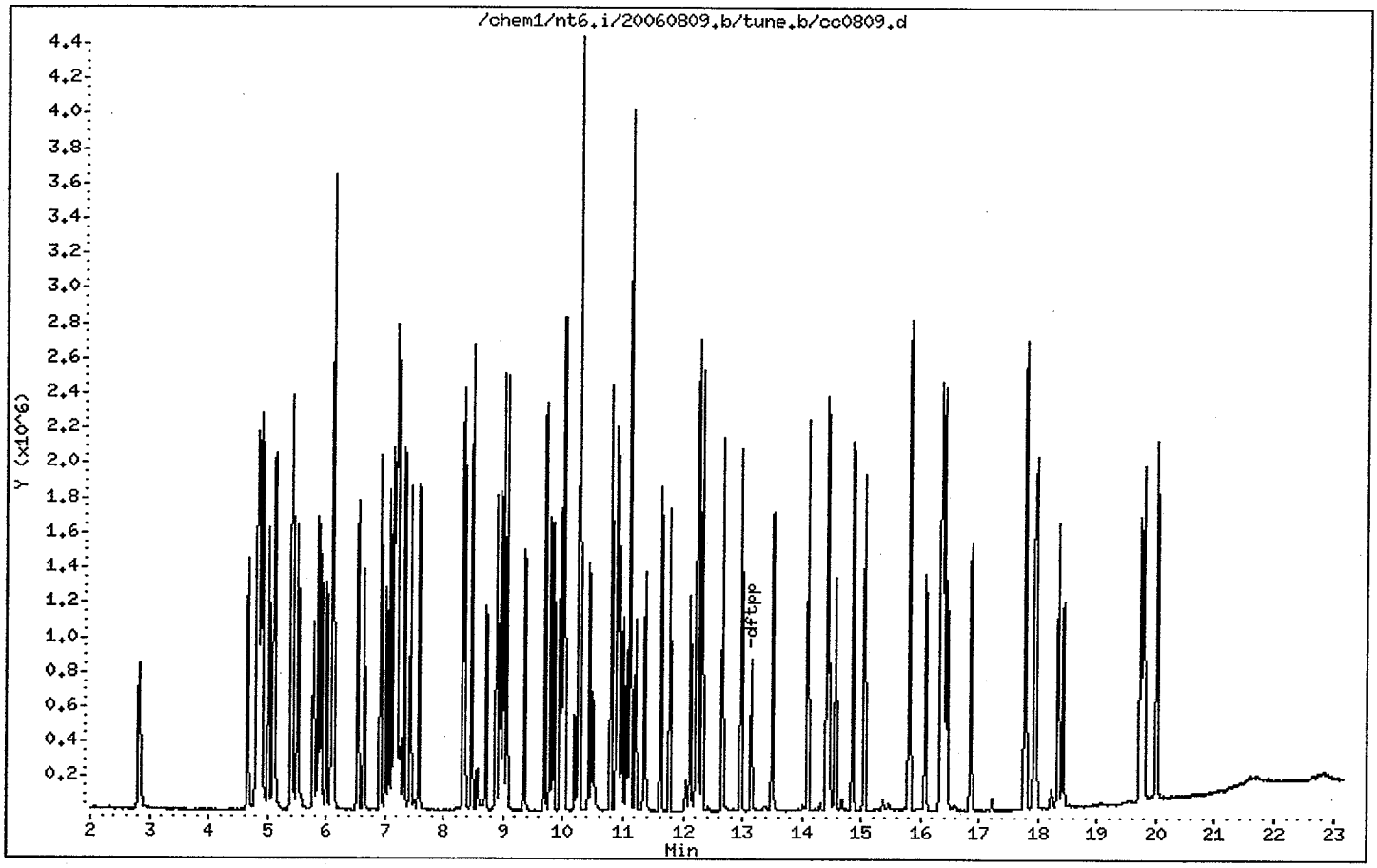
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS **Sample ID: MB-073106**
Page 1 of 1 **METHOD BLANK**

Lab Sample ID: MB-073106
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/30/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/31/06
Date Analyzed: 08/07/06 10:25
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

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**	**10 J**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	71.6%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35mb.d
Lab Smp Id: JQ35MBS1 Client Smp ID: JQ35MBS1
Inj Date : 07-AUG-2006 10:25
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35MBS1
Misc Info : 06-12971
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: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.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	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	3.213	3.192	(0.602)	459927	22.6498	453.0(M)
$	2 Phenol-d5	99	5.109	5.115	(0.958)	596936	24.2615	485.2(M)
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	5.056	5.056	(0.948)	462861	22.1864	443.7(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	5.334	5.340	(1.000)	275186	20.0000	(M)
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	5.633	5.639	(1.056)	163679	12.1708	243.4
	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	6.306	6.317	(0.853)	408560	15.7527	315.1
	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)	958062	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	9.207	9.213	(0.905)	569173	12.6678	253.4
	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)	601750	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	11.434	11.440	(1.124)	131812	22.7800	455.6
	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)	928155	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	15.094	15.094	(0.909)	752103	17.8749	357.5	
67	Butylbenzylphthalate	149	Compound Not Detected.						
68	Benzo(a)anthracene	228	Compound Not Detected.						
* 69	Chrysene-d12	240	16.611	16.622	(1.000)	794537	20.0000		
70	3,3'-Dichlorobenzidine	252	Compound Not Detected.						
71	Chrysene	228	Compound Not Detected.						
72	bis(2-Ethylhexyl)phthalate	149	17.086	17.092	(0.949)	15560	0.52435 (J)	10.49(MH)	2MOL
* 134	Di-n-octylphthalate-d4	153	18.005	18.011	(1.000)	1175278	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	18.689	18.695	(1.000)	654960	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.						

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: jq35mb.d
Lab Smp Id: JQ35MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: JQ35MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	275186	-13.73
27 Naphthalene-d8	1113586	556793	2227172	958062	-13.97
42 Acenaphthene-d10	652908	326454	1305816	601750	-7.84
59 Phenanthrene-d10	1012561	506280	2025122	928155	-8.34
69 Chrysene-d12	948800	474400	1897600	794537	-16.26
134 Di-n-octylphthala	1381183	690592	2762366	1175278	-14.91
77 Perylene-d12	760208	380104	1520416	654960	-13.84

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	-0.05
69 Chrysene-d12	16.62	16.12	17.12	16.61	-0.07
134 Di-n-octylphthala	18.01	17.51	18.51	18.01	-0.03
77 Perylene-d12	18.69	18.19	19.19	18.69	-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: JQ35MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12971

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

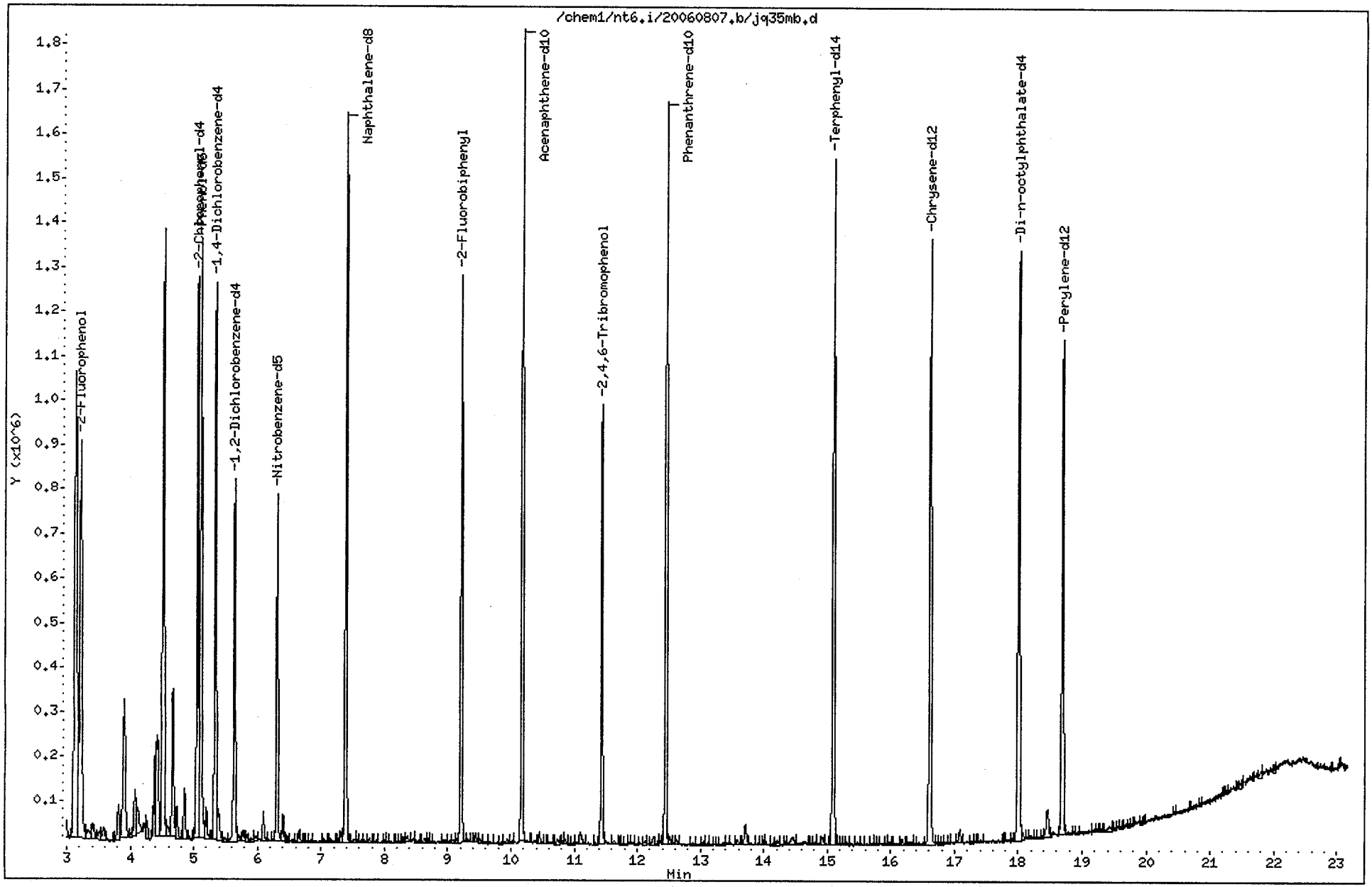
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	453.0	60.40	42-87
$ 2 Phenol-d5	750.0	485.2	64.70	47-87
$ 5 2-Chlorophenol-d4	750.0	443.7	59.16	47-86
$ 10 1,2-Dichlorobenzen	500.0	243.4	48.68	43-82
$ 18 Nitrobenzene-d5	500.0	315.1	63.01	46-87
$ 36 2-Fluorobiphenyl	500.0	253.4	50.67	46-88
$ 55 2,4,6-Tribromophen	750.0	455.6	60.75	40-97
$ 66 Terphenyl-d14	500.0	357.5	71.50	37-114

Data File: /chem1/nt6.i/20060807.b/jq35mb.d
Date : 07-AUG-2006 10:25
Client ID: JQ35MBS1
Sample Info: JQ35MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

0587



Data File: /chem1/nt6.i/20060807.b/jq35mb.d

Date : 07-AUG-2006 10:25

Client ID: JQ35MBS1

Instrument: nt6.i

Sample Info: JQ35MBS1

Volume Injected (uL): 1.0

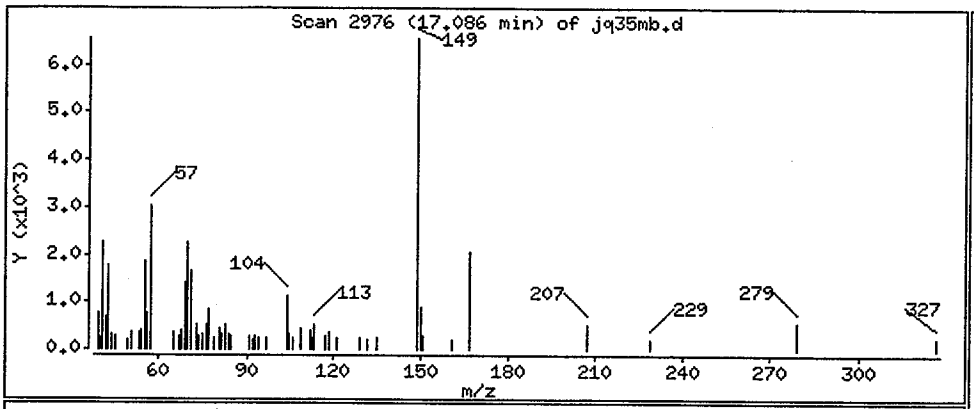
Operator: LJR

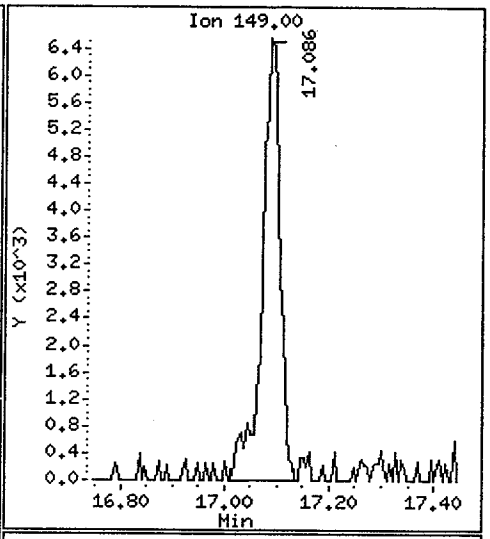
Column phase: ZB-5

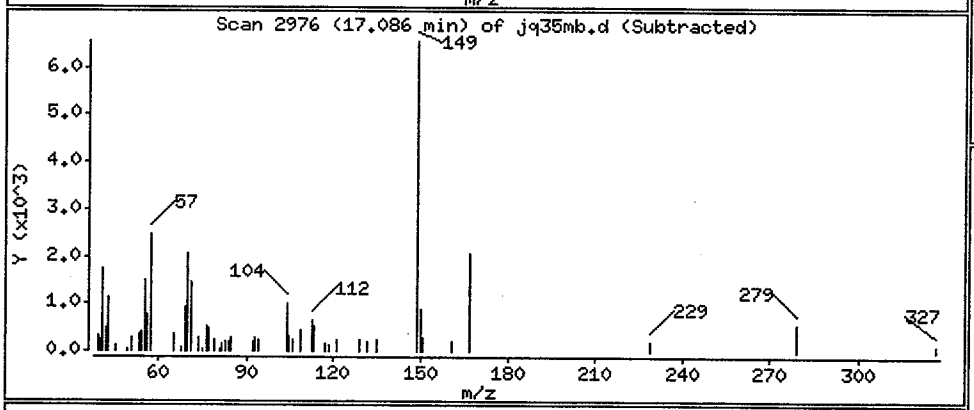
Column diameter: 0.32

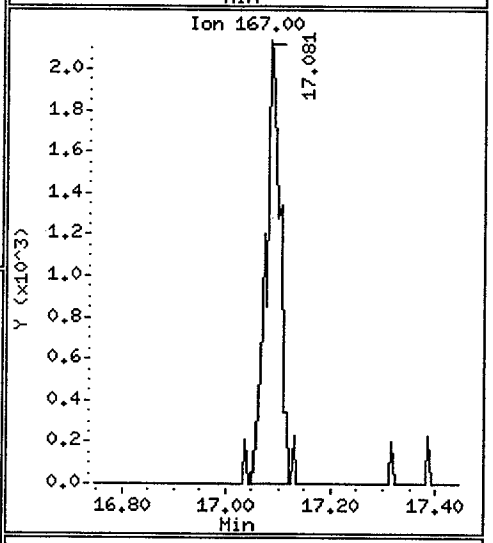
72 bis(2-Ethylhexyl)phthalate

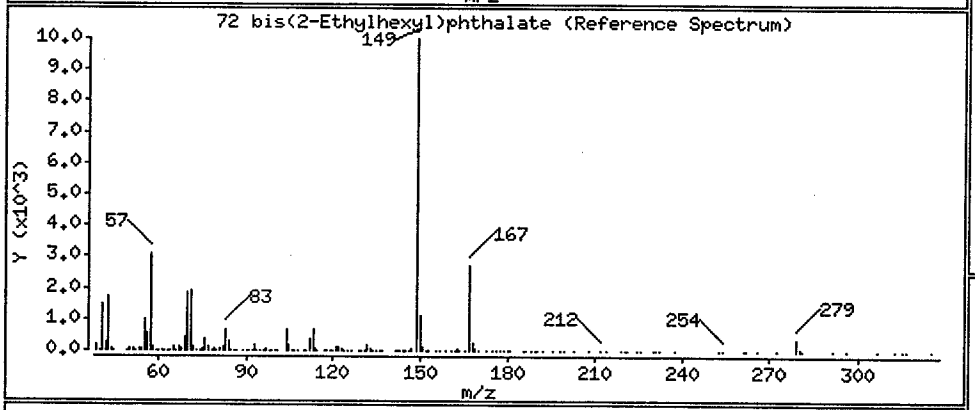
Concentration: 10.49 ug/kg

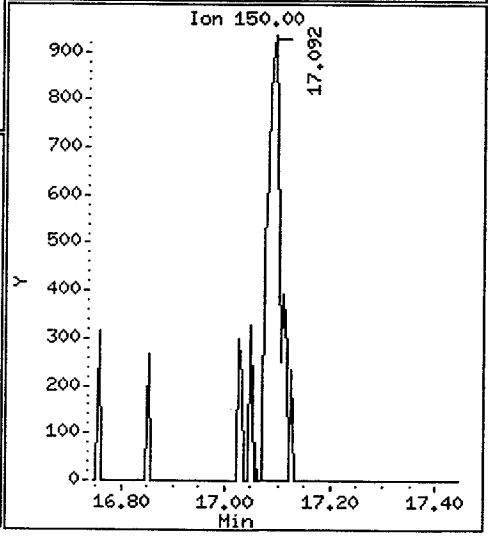


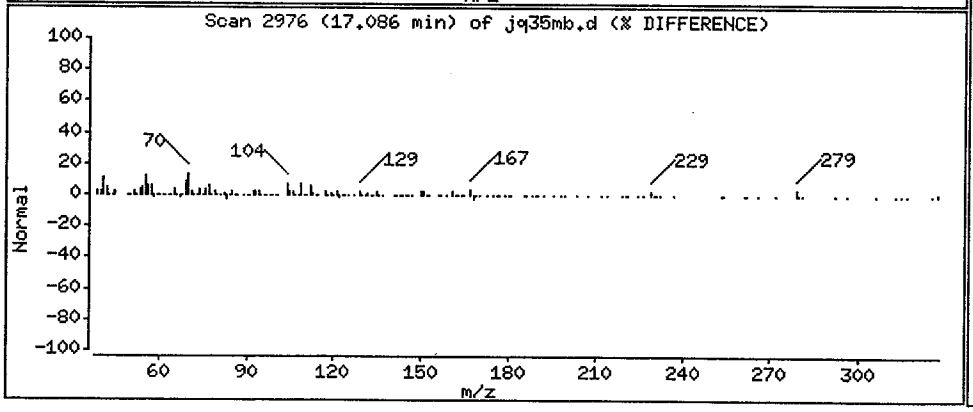




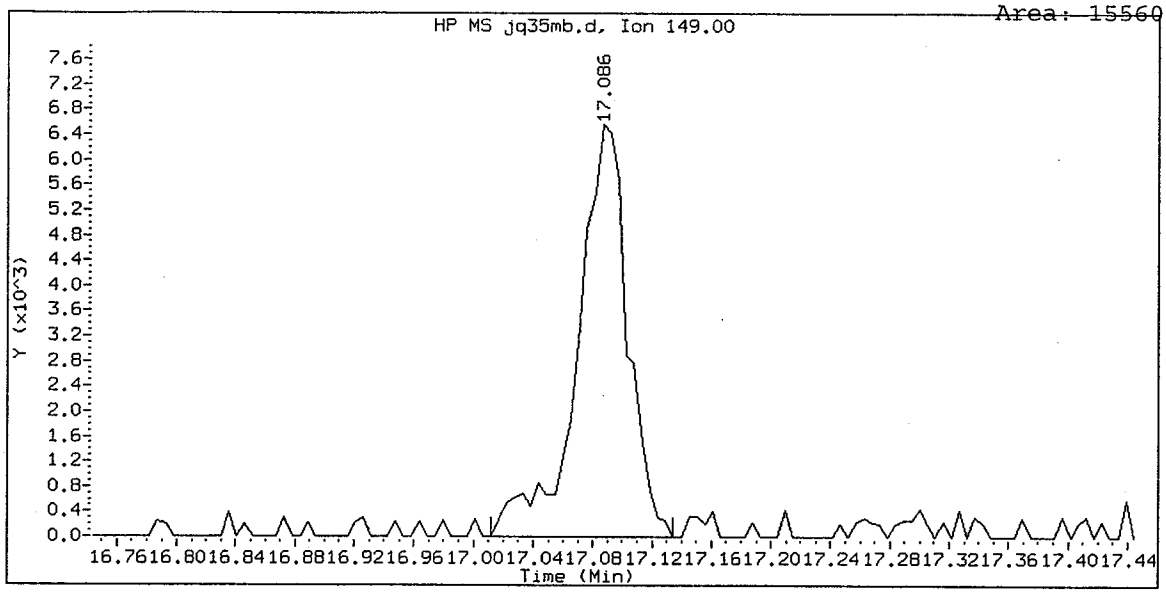


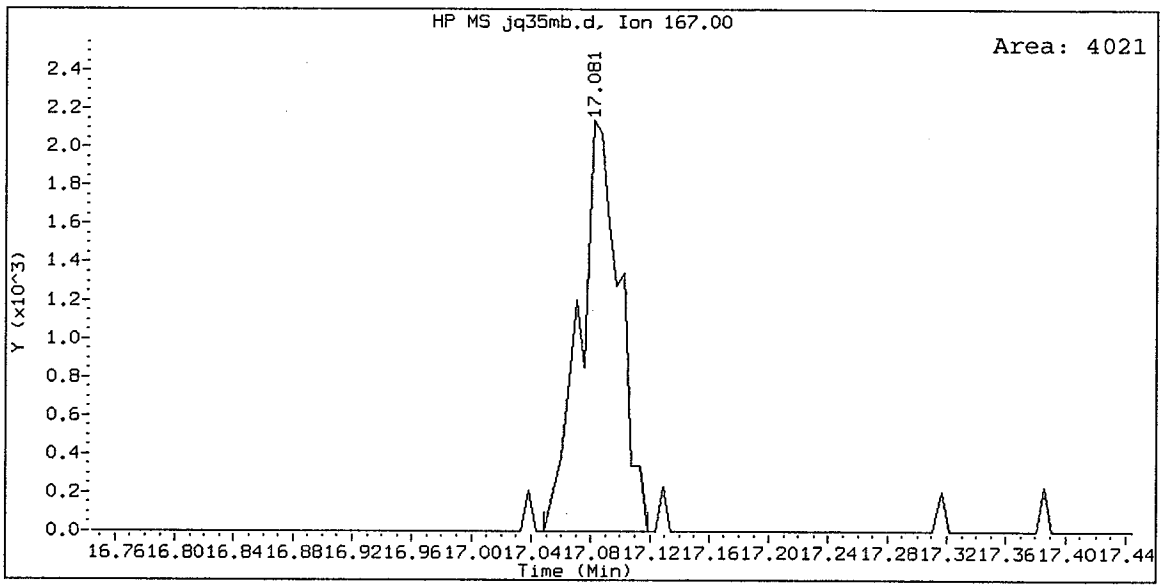


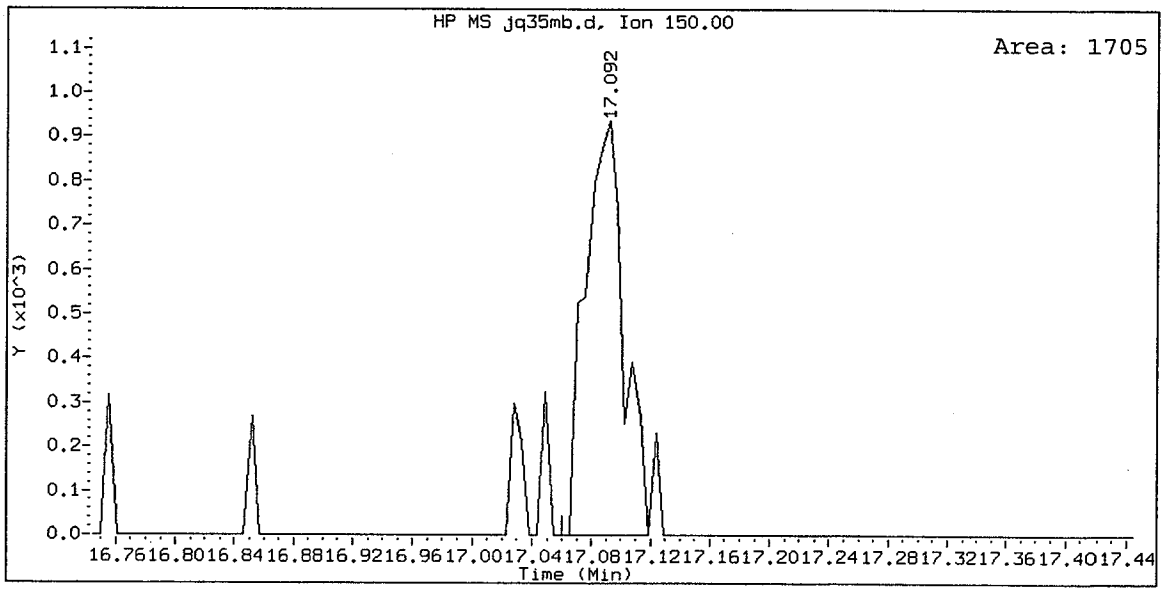




JQ35MBS1, /chem1/nt6.i/20060807.b/jq35mb.d
bis(2-Ethylhexyl)phthalate Amount: 0.52







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060807.b/jq35sb.d
Lab Smp Id: JQ35LCSS1 Client Smp ID: JQ35LCSS1
Inj Date : 07-AUG-2006 10:55
Operator : LJR Inst ID: nt6.i
Smp Info : JQ35LCSS1
Misc Info : 06-12971
Comment : 1ul Injection
Method : /chem1/nt6.i/20060807.b/SW846.m
Meth Date : 10-Aug-2006 15:06 jeff Quant Type: ISTD
Cal Date : 19-JUL-2006 17:54 Cal File: 0100719d.d
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 8/10/06

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

Cpnd Variable Local Compound Variable

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
Compounds								
$	1 2-Fluorophenol	112	3.213	3.192	(0.602)	432756	19.8802	397.6
$	2 Phenol-d5	99	5.115	5.115	(0.958)	620019	23.5070	470.1
	3 Phenol	94	5.131	5.131	(0.961)	512799	15.6026	312.1 (M)
$	5 2-Chlorophenol-d4	132	5.056	5.056	(0.947)	453358	20.2711	405.4 (M)
	4 Bis(2-Chloroethyl)ether	93	5.083	5.089	(0.952)	353411	14.4519	289.0
	6 2-Chlorophenol	128	5.083	5.083	(0.952)	343012	15.1679	303.4 (M)
	7 1,3-Dichlorobenzene	146	5.259	5.260	(0.985)	328818	13.3761	267.5
*	8 1,4-Dichlorobenzene-d4	152	5.339	5.340	(1.000)	295002	20.0000	(M)
	9 1,4-Dichlorobenzene	146	5.361	5.366	(1.004)	340381	13.4745	269.5
$	10 1,2-Dichlorobenzene-d4	152	5.639	5.639	(1.056)	153537	10.6498	213.0 (RM)
	12 1,2-Dichlorobenzene	146	5.655	5.660	(1.059)	330701	13.6168	272.3 (M)
	11 Benzyl alcohol	108	5.735	5.740	(1.074)	234645	14.9851	299.7 (M)
	14 2,2'-oxybis(1-Chloropropane)	45	5.997	5.997	(1.123)	383352	12.8000	256.0 (R)
	13 2-Methylphenol	108	6.066	6.066	(1.136)	331587	15.3335	306.7
	17 Hexachloroethane	117	6.146	6.146	(1.151)	154062	14.4068	288.1

	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	6.221	6.226	(1.165)	319441	15.4341	308.7
	15 4-Methylphenol	108	6.328	6.317	(1.185)	785591	35.2249	704.5
$	18 Nitrobenzene-d5	82	6.312	6.317	(0.853)	403059	14.1800	283.6
	19 Nitrobenzene	77	6.338	6.344	(0.857)	862236	27.6292	552.6
	20 Isophorone	82	6.755	6.755	(0.913)	803917	16.4246	328.5
	21 2-Nitrophenol	139	6.867	6.867	(0.928)	162402	14.1459	282.9 (R)
	22 2,4-Dimethylphenol	107	7.124	7.124	(0.963)	300677	12.5556	251.1
	23 Bis(2-Chloroethoxy)methane	93	7.225	7.231	(0.977)	416157	15.2617	305.2
	24 Benzoic acid	105	7.444	7.476	(1.006)	272766	21.5803	431.6 (MH)
	25 2,4-Dichlorophenol	162	7.289	7.295	(0.986)	278368	15.9189	318.4
	26 1,2,4-Trichlorobenzene	180	7.359	7.364	(0.995)	299032	14.8269	296.5
*	27 Naphthalene-d8	136	7.396	7.396	(1.000)	1049992	20.0000	
	28 Naphthalene	128	7.423	7.423	(1.004)	924274	14.4800	289.6 (R)
	29 4-Chloroaniline	127	7.647	7.647	(1.034)	682802	26.5231	530.5
	30 Hexachlorobutadiene	225	7.786	7.792	(1.053)	196864	15.5366	310.7
	31 4-Chloro-3-methylphenol	107	8.555	8.556	(1.157)	354811	17.9604	359.2
	32 2-Methylnaphthalene	141	8.534	8.540	(1.154)	561050	16.2512	325.0
	33 Hexachlorocyclopentadiene	237	8.929	8.930	(0.877)	150456	18.0652	361.3
	34 2,4,6-Trichlorophenol	196	9.095	9.101	(0.893)	224804	16.1772	323.5
	35 2,4,5-Trichlorophenol	196	9.154	9.159	(0.899)	243206	16.8404	336.8
$	36 2-Fluorobiphenyl	172	9.213	9.213	(0.905)	527202	11.3169	226.3 (R)
	37 2-Chloronaphthalene	162	9.277	9.282	(0.911)	602476	14.7215	294.4
	38 2-Nitroaniline	65	9.570	9.576	(0.940)	288618	17.2848	345.7
	39 Dimethylphthalate	163	9.998	9.998	(0.982)	718973	16.5547	331.1
	40 Acenaphthylene	152	9.918	9.923	(0.974)	951685	15.0396	300.8
	41 2,6-Dinitrotoluene	165	10.057	10.057	(0.988)	157064	15.8637	317.3
*	42 Acenaphthene-d10	164	10.179	10.180	(1.000)	623908	20.0000	
	43 3-Nitroaniline	138	10.249	10.244	(1.007)	377515	35.6752	713.5
	44 Acenaphthene	153	10.222	10.222	(1.004)	638469	15.9363	318.7
	45 2,4-Dinitrophenol	184	10.404	10.399	(1.022)	60956	31.7208	634.4 (M)
	46 Dibenzofuran	168	10.484	10.484	(1.030)	870596	15.7938	315.9
	47 4-Nitrophenol	109	10.682	10.692	(1.049)	143934	20.9018	418.0
	48 2,4-Dinitrotoluene	165	10.650	10.650	(1.046)	205875	16.3894	327.8
	50 Diethylphthalate	149	11.130	11.141	(1.093)	731506	17.4385	348.8
	49 Fluorene	166	11.018	11.018	(1.082)	721254	16.1300	322.6
	51 4-Chlorophenyl-phenylether	204	11.109	11.109	(1.091)	402881	17.1515	343.0
	52 4-Nitroaniline	138	11.200	11.211	(1.100)	107293	11.5508	231.0 (RM)
	53 4,6-Dinitro-2-methylphenol	198	11.269	11.275	(0.905)	100995	17.1953	343.9
	54 N-Nitrosodiphenylamine	169	11.328	11.334	(0.910)	562673	16.2277	324.6
$	55 2,4,6-Tribromophenol	330	11.440	11.440	(1.124)	139448	23.2437	464.9
	56 4-Bromophenyl-phenylether	248	11.852	11.852	(0.952)	232277	16.3912	327.8
	57 Hexachlorobenzene	284	12.006	12.007	(0.964)	226120	15.2254	304.5
	58 Pentachlorophenol	266	12.338	12.349	(0.991)	130032	16.0756	321.5
*	59 Phenanthrene-d10	188	12.450	12.455	(1.000)	1009544	20.0000	
	60 Phenanthrene	178	12.482	12.487	(1.003)	1085968	16.1587	323.2
	61 Anthracene	178	12.551	12.557	(1.008)	1000107	14.8231	296.5
	62 Carbazole	167	12.888	12.893	(1.035)	871305	16.0423	320.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63	Di-n-butylphthalate	149	13.721	13.727	(1.102)	1159901	17.8290	356.6
64	Fluoranthene	202	14.346	14.352	(1.152)	1193618	18.0141	360.3
65	Pyrene	202	14.672	14.672	(0.883)	1198381	15.1218	302.4
$ 66	Terphenyl-d14	244	15.094	15.094	(0.908)	702538	14.1009	282.0
67	Butylbenzylphthalate	149	16.040	16.045	(0.965)	473156	16.0906	321.8
68	Benzo(a)anthracene	228	16.595	16.601	(0.998)	1197713	16.8588	337.2
* 69	Chrysene-d12	240	16.622	16.622	(1.000)	940810	20.0000	
70	3,3'-Dichlorobenzidine	252	16.702	16.697	(1.005)	694527	27.1082	542.2
71	Chrysene	228	16.654	16.660	(1.002)	1129125	15.9936	319.9
72	bis(2-Ethylhexyl)phthalate	149	17.087	17.092	(0.949)	642752	18.6678	373.4
* 134	Di-n-octylphthalate-d4	153	18.011	18.011	(1.000)	1363655	20.0000	
73	Di-n-octylphthalate	149	18.016	18.017	(1.000)	1073998	16.4893	329.8
74	Benzo(b)fluoranthene	252	18.198	18.203	(0.974)	963823	19.4565	389.1
75	Benzo(k)fluoranthene	252	18.225	18.236	(0.975)	1122501	21.9132	438.3 (M)
76	Benzo(a)pyrene	252	18.609	18.615	(0.996)	811944	17.0293	340.6
* 77	Perylene-d12	264	18.689	18.695	(1.000)	754542	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	20.004	20.009	(1.070)	800078	13.7934	275.9
79	Dibenzo(a,h)anthracene	278	20.057	20.057	(1.073)	838258	14.7121	294.2
80	Benzo(g,h,i)perylene	276	20.281	20.292	(1.085)	876276	14.4271	288.5
90	N-Nitrosodimethylamine	74	Compound Not Detected.					
91	Aniline	93	4.912	4.918	(0.920)	841340	21.6819	433.6 (M)
93	Benzidine	184	Compound Not Detected.					
103	Pyridine	79	Compound Not Detected.					
105	1-methylnaphthalene	141	8.694	8.694	(1.176)	504982	13.9926	279.9
111	Azobenzene (1,2-DP-Hydrazine)	77	11.339	11.344	(1.114)	1139834	18.6721	373.4

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
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: jq35sb.d
Lab Smp Id: JQ35LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12971

Calibration Date: 07-AUG-2006
Calibration Time: 09:54
Client Smp ID: JQ35LCSS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	318996	159498	637992	295002	-7.52
27 Naphthalene-d8	1113586	556793	2227172	1049992	-5.71
42 Acenaphthene-d10	652908	326454	1305816	623908	-4.44
59 Phenanthrene-d10	1012561	506280	2025122	1009544	-0.30
69 Chrysene-d12	948800	474400	1897600	940810	-0.84
134 Di-n-octylphthala	1381183	690592	2762366	1363655	-1.27
77 Perylene-d12	760208	380104	1520416	754542	-0.75

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	12.45	-0.04
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	-0.03

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: JQ35LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060807.b/SW846.m
Misc Info: 06-12971

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

	SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3	Phenol	500.0	312.1	62.41	42-101
4	Bis(2-Chloroethyl)	500.0	289.0	57.81	55-102
6	2-Chlorophenol	500.0	303.4	60.67	43-99
7	1,3-Dichlorobenzen	500.0	267.5	53.50	53-95
9	1,4-Dichlorobenzen	500.0	269.5	53.90	39-93
11	Benzyl alcohol	500.0	299.7	59.94	19-123
12	1,2-Dichlorobenzen	500.0	272.3	54.47	54-96
13	2-Methylphenol	500.0	306.7	61.33	53-108
14	2,2'-oxybis(1-Chlo	500.0	256.0	51.20 *	53-103
15	4-Methylphenol	1000	704.5	70.45	54-116
16	N-Nitroso-di-n-pro	500.0	308.7	61.74	31-108
17	Hexachloroethane	500.0	288.1	57.63	52-99
19	Nitrobenzene	500.0	552.6	110.52	58-112
20	Isophorone	500.0	328.5	65.70	59-122
21	2-Nitrophenol	500.0	282.9	56.58 *	58-112
22	2,4-Dimethylphenol	500.0	251.1	50.22	17-121
23	Bis(2-Chloroethoxy	500.0	305.2	61.05	57-116
24	Benzoic acid	500.0	431.6	86.32	39-143
25	2,4-Dichlorophenol	500.0	318.4	63.68	57-119
26	1,2,4-Trichloroben	500.0	296.5	59.31	40-102
28	Naphthalene	500.0	289.6	57.92 *	58-106
29	4-Chloroaniline	1200	530.5	44.21	10-57
30	Hexachlorobutadien	500.0	310.7	62.15	56-108
31	4-Chloro-3-methylp	500.0	359.2	71.84	42-121
32	2-Methylnaphthalen	500.0	325.0	65.00	59-111
33	Hexachlorocyclopen	500.0	361.3	72.26	31-122
34	2,4,6-Trichlorophe	500.0	323.5	64.71	58-114
35	2,4,5-Trichlorophe	500.0	336.8	67.36	57-115
37	2-Chloronaphthalen	500.0	294.4	58.89	58-112
38	2-Nitroaniline	500.0	345.7	69.14	36-89
39	Dimethylphthalate	500.0	331.1	66.22	59-126
40	Acenaphthylene	500.0	300.8	60.16	58-114
41	2,6-Dinitrotoluene	500.0	317.3	63.45	58-131

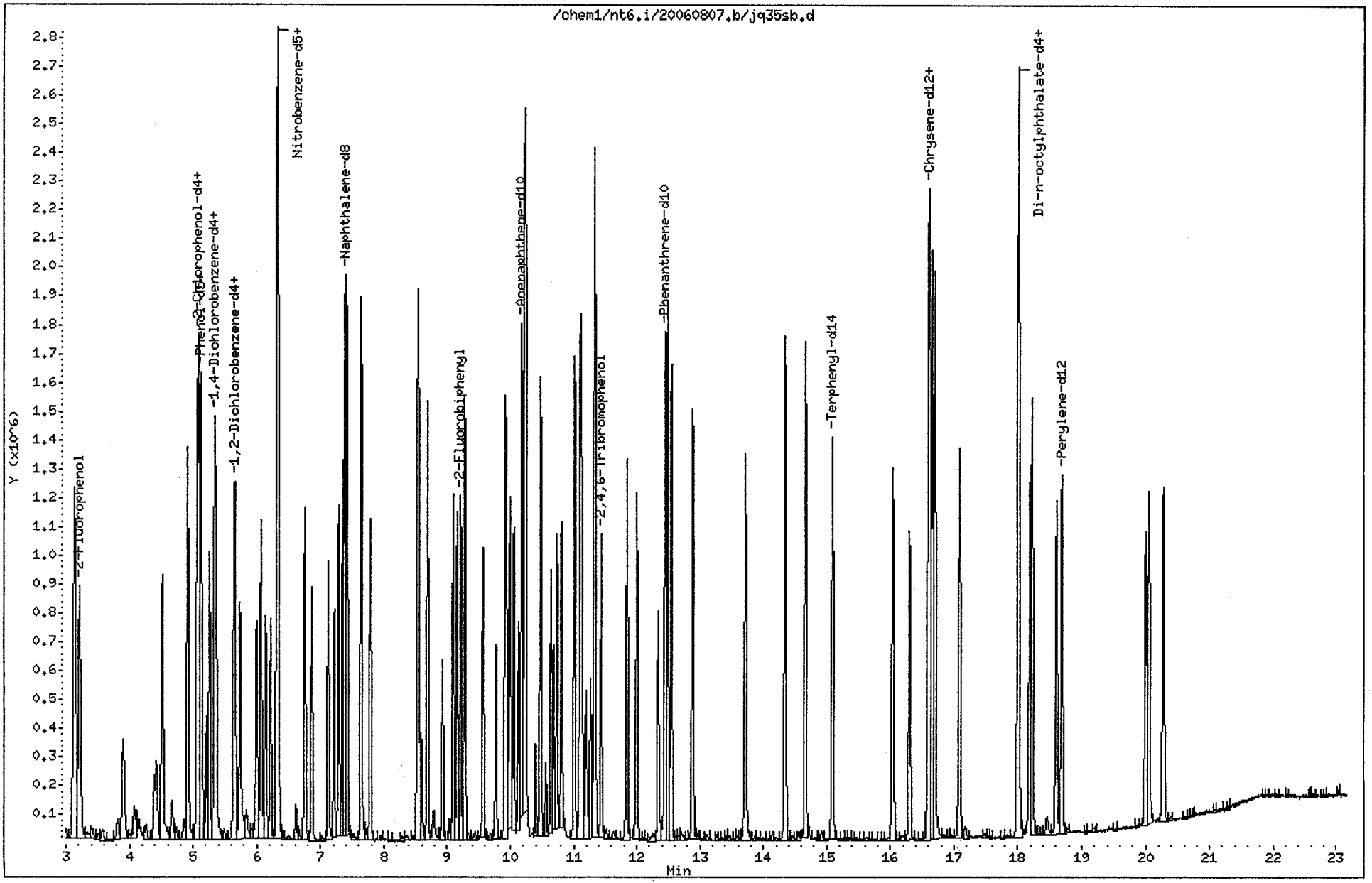
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43 3-Nitroaniline	1280	713.5	55.74	33-92
44 Acenaphthene	500.0	318.7	63.75	43-108
45 2,4-Dinitrophenol	500.0	634.4	126.88	10-174
46 Dibenzofuran	500.0	315.9	63.18	57-117
47 4-Nitrophenol	500.0	418.0	83.61	34-140
48 2,4-Dinitrotoluene	500.0	327.8	65.56	32-126
49 Fluorene	500.0	322.6	64.52	57-124
50 Diethylphthalate	500.0	348.8	69.75	60-134
51 4-Chlorophenyl-phe	500.0	343.0	68.61	57-125
52 4-Nitroaniline	500.0	231.0	46.20*	52-109
53 4,6-Dinitro-2-meth	500.0	343.9	68.78	24-151
54 N-Nitrosodiphenyla	500.0	324.6	64.91	51-131
56 4-Bromophenyl-phen	500.0	327.8	65.56	60-125
57 Hexachlorobenzene	500.0	304.5	60.90	59-122
58 Pentachlorophenol	500.0	321.5	64.30	39-117
60 Phenanthrene	500.0	323.2	64.63	56-129
61 Anthracene	500.0	296.5	59.29	55-116
62 Carbazole	500.0	320.8	64.17	60-131
63 Di-n-butylphthalat	500.0	356.6	71.32	59-144
64 Fluoranthene	500.0	360.3	72.06	55-137
65 Pyrene	500.0	302.4	60.49	39-127
67 Butylbenzylphthala	500.0	321.8	64.36	56-148
68 Benzo(a)anthracene	500.0	337.2	67.44	61-128
70 3,3'-Dichlorobenzi	1280	542.2	42.36	10-75
71 Chrysene	500.0	319.9	63.97	59-129
72 bis(2-Ethylhexyl)p	500.0	373.4	74.67	53-141
73 Di-n-octylphthalat	500.0	329.8	65.96	42-142
74 Benzo(b)fluoranthe	500.0	389.1	77.83	53-146
75 Benzo(k)fluoranthe	500.0	438.3	87.65	50-153
76 Benzo(a)pyrene	500.0	340.6	68.12	54-132
78 Indeno(1,2,3-cd)py	500.0	275.9	55.17	33-169
79 Dibenzo(a,h)anthra	500.0	294.2	58.85	41-162
80 Benzo(g,h,i)peryle	500.0	288.5	57.71	10-179

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	397.6	53.01	42-87
$ 2 Phenol-d5	750.0	470.1	62.69	47-87
$ 5 2-Chlorophenol-d4	750.0	405.4	54.06	47-86
$ 10 1,2-Dichlorobenzen	500.0	213.0	42.60*	43-82
$ 18 Nitrobenzene-d5	500.0	283.6	56.72	46-87
$ 36 2-Fluorobiphenyl	500.0	226.3	45.27*	46-88
$ 55 2,4,6-Tribromophen	750.0	464.9	61.98	40-97

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	500.0	282.0	56.40	37-114

Data File: /chem1/nt6.i/20060807.b/jq35sb.d
Date : 07-AUG-2006 10:55
Client ID: JQ35LCSS1
Sample Info: JQ35LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Semivolatile Organics
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

1 of 2

QA. LIMs # _____
EXT LIMs # _____
Bid # SVQ728A-01

(8270) BAN/Skydrol/Phenol – Soil/Sediment/Tissue
In House ____ /PSDDA X Medium Level ____
(3550B) Microtip ____
(3550B) Macrotip X /Tissuemizer ____
Med.Shakeout ____
KD X
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JQ35, JQ52

Extraction Requirements (ARI Lab ID)	Sample Client ID	Amount Extracted	GPC Aliquot #1 / #2 1:2	Silica-gel Aliquot Y / N	Final Effective Volume 1mL	Aliquot Volume For Analysis 0.5mL	Time Extracted 1600 Comments KD
MB: JQ35MB	7/31	50.00	TH 8/1				
SB: SB		50.00	1:2 SP 8/2				
A	checked	94.58	1:2 TH 8/1				
B		42.80					
C		45.06					
D		37.16					
E		49.70					
F		85.68					
G		75.68					
H		96.05					
I		49.68					
J		42.70					
K		47.56					
L		63.86					
M		97.23					
N		66.94	SP 8/2/06 (1:2)				
O		72.04					
P		61.58					
PMS		61.04					
PMSD		61.22					
JQ52 A	checked	93.12					
B		96.66					
C		101.78					
D		60.14					
LW 7/31	Date/Analyst:		SP 8/2/06		TH 8/1	BS 8/4/06	HH 8/3/06

KD#1: GAH 7-31-06

Surrogate Amount: 250 uL Added by: TH /Spk. Witness ____
Concentration: 100/150 ng/mL ID: 1405-3B

Spike Amount: 250 uL Added by: TH /Spk. Witness ____
Concentration: 160 ng/mL ID: 1403-03

Xtra Spike Amount: 250 uL Added by: TH /Spk.Witness ____
Concentration: 200 ng/mL ID: 1405-01

(DCM)solvent ID: I2978
(1:1DCM/Acetone) Reagent ID: F484
(95:5DCM/Hexane) Reagent ID: ____
Neutral glasswool ID: 3/19#1
0.05% HCL/acetone Reagent ID: F45-2
Na2So4 ID: 7/20#1
3% Silica gel ID: ____
95:5Ether/DCM ID: ____ 8:2:9Ether/Meoh/DCM ID: ____

3009F

Hexane: I3204 Revision 8
7/29/03

12971
31102

QA. LIMs # _____
EXT LIMs # _____
Bid # _____

(8270) BAN/Skydrol/Phenol – Soil/Sediment/Tissue
In House ____/PSDDA ____Medium Level ____
(3550B) Microtip ____
(3550B) Macrotip ____/Tissuemizer ____
Med.Shakeout ____ Client Name: _____
KD ____
Turbovap ____

ANALYTICAL RESOURCES INCORPORATED

ARI Job No(s): JQ35, JQ52

Extraction Requirements (ARI Lab ID)	Sample Client ID	Amount Extracted	GPC Aliquot #1/ #2	Silica-gel Aliquot Y / N	Final Effective Volume	Aliquot Volume For Analysis	Time Extracted _____ Comments
MB:							
SB:							
	Date/Analyst:						

Surrogate Amount: _____ Added by: _____ /Spk. Witness _____
Concentration: _____ ID: _____

Spike Amount: 250 µL Added by: TH /Spk. Witness _____
Concentration: 100 ng/µL ID: 1467-04A

Xtra Spike Amount: 250 µL Added by: TH /Spk.Witness _____
Concentration 200 ng/mL ID: 1361-04

(DCM)solvent ID: _____
(1:1DCM/Acetone) Reagent ID: _____
(95:5DCM/Hexane) Reagent ID: _____
Neutral glasswool ID: _____
0.05% HCL/acetone Reagent ID: _____
Na2So4 ID: _____
3% Silica gel ID: _____
95:5Ether/DCM ID: 8:2:9Ether/Meoh/DCM ID:

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ52 Client Name: Anchor Environmental

Parameter: BAN PSDDA Client Project: T4 Early Action

3545 SOP Number(s) [ ] No Anomalies

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

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JQ35 / JQ52 Client ID: Anchor

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

Parameter(s): BANs

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

Curve Date: 7/5/06 Analysis Start Date: 8/7/06

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
nternal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary): - Phthalates / Terphenyl surrogates only.

- Perylene IS out in 35J & K. K 20x OK J 20x OK
- Chrysene IS out in 52B B 5x-OK

JQ35 (A-K - 3x O/P pms/pms)
most Samples run (3X) to minimize
IS falling out
L/M/N JQ35)

JQ52 (3X) A-B-C-D
B - 5X

LJK 8/10/06

MB. - Bis 2-ethylhexyl phthalate
<MDL by .5ppB 10.49
Reported with J 10J
Samples NO J Flags for
Bis 2-ethylhexyl phthalate <RL
8/11/06

Additional Details on Reverse: Yes / No

Analyst Signature: [signature] **Date:** 8/10/06

Reviewer's Signature: [signature] **Date:** 8/11/06

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

RI Project ID: NT6 Curve Client ID: ARI

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

arameter(s): BANS

strument: NT-1 NT-2 NT-4 (NT-6)

urve Date: 7/5/06 Analysis Start Date: —

FTPP Tune Meets Criteria?	(YES) / NO	Method Blank in Control?	~~YES / NO~~
DT Breakdown <20%?	(YES) / NO / NA	LCS / LCSD Recovery in Control?	(YES) / NO
eak Tailing Factor in Control?	(YES) / NO / NA	MS/MSD Recovery in Control?	~~YES / NO~~
al Meets RF & %RSD Criteria?	(YES) / NO	Surrogate Recovery in Control?	(YES) / NO
Cal Meets RF & %RSD Criteria?	~~YES / NO~~	Special Analysis Criteria Met?	(YES) / NO / NA
ernal Standard Meets Criteria?	(YES) / NO		

tail problems, corrective actions and/or other pertinent information below (use reverse side en necessary): 1 - 2,4-Dinitrophenol's RSD > 40%. Linear fit $r^2 < 0.99$. Leaving as average fit.

LJK
7/5/06

ditional Details on Reverse: Yes / (No)

lyst Signature: Jeff Roberson **Date:** 7/5/06

iewer's Signature: [signature] **Date:** 7/8/06

Analytical Resources Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 7/5/06 Analysis: BANS Analyst: LJK

GC Program: ABN1UC Column No: 96972 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060630 EM Voltage: 1765

Calibration File: 0250705 Curve Date: 7/5/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1374-3	1340-1,2
	1375-1,2	1341-1
	1396-2	

	Time	Filename	LabID	ClientId	DF											
1	1016	0250705.d	ABN 25		1	6.47	200696	8.49	684917	11.32	379750	13.65	559641	17.90	488455	20.02	578815	19.18	797584
2	1046	0800705.d	ABN 80		1	6.49	194774	8.51	671389	11.32	363943	13.66	549021	17.91	515271	20.03	651976	19.18	826407
3	1117	0010705.d	ABN 1		1	6.47	186831	8.49	635059	11.31	353572	13.65	519227	17.90	422891	20.02	558463	19.17	753636
4	1147	0400705.d	ABN 40		1	6.48	186586	8.50	643563	11.32	353561	13.65	521831	17.90	459052	20.02	520114	19.18	750624
5	1218	0050705.d	ABN 5		1	6.47	187970	8.49	649831	11.31	355016	13.65	526410	17.89	428642	20.02	537760	19.17	728345
6	1249	0100705.d	ABN 10		1	6.48	184947	8.49	638713	11.32	351204	13.65	512120	17.90	415649	20.02	494060	19.17	689842
7	1320	icv0705.d	ABN ICV		1	6.47	190508	8.49	650128	11.31	364760	13.65	536565	17.90	444271	20.02	493568	19.18	726904

LJK 7/6/06

Maintenance / Comments New liner+wool. Clipped column. Cleaned inlet seal.

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): 0250705

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-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/7/06 Analysis: BANS Analyst: LJK

GC Program: ABN1UL Column No: 96972 Column Type: ZB-5

Instrument Tune (U or .CT.): D60804 EM Voltage: 1835

Calibration File: cc0807 Curve Date: 7/5/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1374-3	
	1375-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF															
1	0954	cc0807.d	ABN 25		1	5.34	318996	7.40	1113586	10.18	652908	12.46	1012561	16.62	948800	18.69	760208	18.01	1381183	
2	1025	jq35mb.d	JQ35MBS1	JQ35MBS1	1	5.33	275186	7.39	958062	10.17	601750	12.45	928155	16.61	794537	18.01	1175278	18.69	654960	
3	1055	jq35sb.d	JQ35LCSS1	JQ35LCSS1	1	5.34	295002	7.40	1049992	10.18	623908	12.45	1009544	16.62	940810	18.01	1363655	18.69	754542	
4	1132	jr04bdl.d	JR04B	F4b-B4	3	5.33	285939	7.39	1024482	10.17	604434	12.46	972004	16.62	935527	18.02	1507781	18.71	1218295	
5	1202	jr04edl.d	JR04E	F-TP-2	3	5.33	276569	7.39	979914	10.17	581796	12.45	932204	16.62	914140	18.01	1448032	18.71	1162716	
6	1233	jq39adl.d	JQ39A	T.B. 5-7 W.WALL	3	5.34	282777	7.40	982673	10.17	587455	12.45	898157	16.62	767584	18.01	1195628	18.69	830607	
7	1303	jq39bdl.d	JQ39B	T.B. 5-7 E.WALL	3	5.34	274590	7.39	972785	10.18	588463	12.45	894074	16.61	773180	18.01	1186798	18.69	845724	
8	1334	jq48f2.d	JQ48F	DUP	1	5.34	236037	7.40	853948	10.17	502504	12.45	774023	16.61	645964	18.00	1011313	18.69	634102	
9	1404	jq80a.d	JQ80A	PL2C-2-10-L-0045	1	5.33	233312	7.39	819308	10.17	506914	12.45	772440	16.61	637381	18.00	1015321	18.69	661626	
10	1435	jq35adl.d	JQ35A	T4-S3-02-C	3	5.34	235359	7.39	826001	10.17	508844	12.45	849244	16.64	1153651	18.03	1343914	18.74	1213401	
11	1505	jq35bdl.d	JQ35B	T4-S3-02-D	3	5.34	271832	7.39	945282	10.18	575206	12.46	977476	16.65	1470785	18.03	1527430	18.76	1500984	
12	1536	jq35cdl.d	JQ35C	T4-S3-02-E	3	5.33	266178	7.39	923237	10.17	561620	12.45	936311	16.65	1470900	18.03	1514920	18.76	1475376	
13	1606	jq35ddl.d	JQ35D	T4-S3-02-F	3	5.34	265607	7.39	918689	10.18	570291	12.46	1030944	16.64	1154300	18.02	1468699	18.73	1358283	
14	1637	jq35edl.d	JQ35E	T4-S3-03-B	3	5.34	269847	7.39	922218	10.18	578246	12.46	1017619	16.64	1130218	18.02	1456773	18.73	1275374	
15	1707	jq35fdl.d	JQ35F	T4-S3-03-C	3	5.34	255609	7.40	889587	10.18	564436	12.46	1040270	16.63	1004405	18.02	1492125	18.72	1263784	
16	1738	jq35gdl.d	JQ35G	T4-S3-03-D	3	5.34	273744	7.40	960436	10.18	621005	12.46	1217238	16.64	1021064	18.02	1478107	18.72	1228034	
17	1808	jq35hdl.d	JQ35H	T4-S3-05-E	3	5.34	247651	7.39	888253	10.17	539856	12.46	906604	16.64	1029153	18.02	1316502	18.73	1154733	
18	1839	jq35idl.d	JQ35I	T4-S3-05-F	3	5.34	273746	7.40	961139	10.18	589822	12.46	984098	16.65	1373168	18.03	1555936	18.75	1471233	
19	1909	jq35jdl.d	JQ35J	T4-S3-05-G	3	5.34	283610	7.40	1002078	10.18	618713	12.46	1017365	16.65	1520075	18.03	1688708	18.75	1550127	
20	1940	jq35kdl.d	JQ35K	T4-S3-05-H	3	5.34	271768	7.39	967057	10.18	582763	12.46	969912	16.66	1573103	18.03	1729755	18.76	1638808	
21	2011	jq351.d	JQ35L	T4-S3-05-J	1	5.34	278813	7.40	963400	10.18	597410	12.45	962828	16.62	854688	18.01	1260069	18.71	883281	
22	2042	jq35m.d	JQ35M	T4-S3-06-A	1	5.34	275134	7.40	961990	10.17	592819	12.45	973775	16.64	1149694	18.02	1381176	18.73	1189870	
23	2112	jq35n.d	JQ35N	T4-S3-06-B	1	5.34	263625	7.39	919585	10.17	551757	12.45	858875	16.62	803173	18.01	1184095	18.70	851889	
24	2143	jq35odl.d	JQ35O	T4-S3-08-B	3	5.33	288756	7.39	977180	10.17	592069	12.45	956344	16.63	1153655	18.02	1403845	18.73	1236480	

Maintenance / Comments New liner+wool. Clipped column. Cleaned inlet seal

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-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/8/06 Analysis: BANs Analyst: LJK

GC Program: ABN1UL Column No: 96972 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060804 EM Voltage: 1835

Calibration File: cc0808 Curve Date: 7/5/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1374-3	
	1375-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF													
1	1313	cc0808.d	ABN 25		1	5.18	284616	7.25	977404	10.02	544393	12.29	824403	16.45	813838	18.51	837816	17.85 1238353
2	1344	jr75mb.d	JR75MBS1	JR75MBS1	1	7.24	1119684	10.02	662778	12.29	1000583	16.43	908615	18.51	1024311			
3	1414	jr75sb.d	JR75LCSS1	JR75LCSS1	1	7.24	1162162	10.02	671851	12.29	988816	16.44	914371	18.51	997498			
4	1445	jr75o.d	JR75O	F5-S3	1	7.24	1039617	10.02	603128	12.29	906863	16.44	827752	18.50	982500			
5	1516	jr75p.d	JR75P	F5-B2	1	7.24	1186503	10.02	679272	12.29	1019101	16.43	979989	18.51	1187677			
6	1546	jr75q.d	JR75Q	F5-B1	1	7.24	1147532	10.02	680627	12.29	1011298	16.43	935733	18.51	1137276			
7	1617	jr75r.d	JR75R	F5-S2	1	7.24	1189468	10.02	698680	12.29	1004005	16.43	846025	18.51	998395			
8	1647	jr75s.d	JR75S	F5-S4	1	7.24	1020148	10.02	587045	12.29	900616	16.44	1146841	18.52	1515944			
9	1718	jr91a.d	JR91A	F1a-B1	1	7.24	1045847	10.02	591807	12.29	979686	16.45	1319648	18.53	1683603			
10	1748	jr91b.d	JR91B	F1a-S1	1	7.24	1022533	10.02	585526	12.29	856017	16.44	999266	18.52	1254270			
11	1819	jr91c.d	JR91C	F1a-B4	1	7.24	1063481	10.02	619308	12.29	1091782	16.46	1444003	18.53	1774372			
12	1849	jr91d.d	JR91D	F1a-S3	1	7.24	1059964	10.02	614534	12.29	1056003	16.45	1375584	18.53	1747762			
13	1920	jr91e.d	JR91E	F1a-S4	1	7.24	1010946	10.02	580214	12.29	965395	16.45	1290206	18.53	1600057			
14	1950	jq35pdl.d	JQ35P	T4-S3-08-C	3	5.18	261154	7.24	885007	10.02	503719	12.29	788702	16.44	875351	17.84	1346798	18.51 987151
15	2021	jq35pms.d	JQ35PMS	T4-S3-08-C MS	3	5.18	271231	7.24	936915	10.02	544822	12.29	828649	16.44	926797	17.85	1438826	18.51 1015346
16	2052	jq35pmd.d	JQ35PMSD	T4-S3-08-C MSD	3	5.18	281521	7.24	950259	10.02	548682	12.29	840039	16.44	887256	17.84	1454127	18.51 1025007
17	2122	jq52adl.d	JQ52A	T4-S3-02-F-DUP	3	5.18	269854	7.24	911964	10.02	568465	12.30	1098818	16.47	1585341	17.87	2134475	18.55 1668294
18	2153	jq52bdl.d	JQ52B	T4-S3-03-C-DUP	3	5.18	264846	7.24	905100	10.03	541269	12.30	950198	16.45	1780984	17.86	1912241	18.53 1437237
19	2224	jq33adl2.d	JQ33A	T4-B414-01-A	20	5.17	240368	7.24	803640	10.02	461205	12.29	725211	16.45	970689	17.85	1281104	18.52 984600
20	2255	jq33mdl2.d	JQ33M	T4-S3-01-D	20	5.18	277326	7.24	919076	10.02	534851	12.29	848832	16.45	1172991	17.85	1522508	18.53 1194264
21	2325	jq33ndl2.d	JQ33N	T4-S3-01-E	20	5.18	273754	7.24	899719	10.02	524649	12.29	837085	16.46	1312553	17.86	1544766	18.54 1253359
22	2356	jq33odl2.d	JQ33O	T4-S3-01-F	20	5.17	282519	7.24	927925	10.02	542934	12.29	852078	16.46	1231170	17.85	1498055	18.53 1222579
23	0027	jq33pdl2.d	JQ33P	T4-S3-01-G	20	5.17	278183	7.24	906855	10.02	537701	12.29	859359	16.45	1198973	17.85	1585821	18.53 1189512
24	0057	jq33qdl2.d	JQ33Q	T4-S3-01-H	20	5.18	270126	7.24	882589	10.02	511660	12.29	823530	16.46	1351083	17.86	1560322	18.54 1251971

Maintenance / Comments New liner rwool. Clipped column. Cleaned inlet seal.

LJK 8/8/06

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 Inc.: Organics Instrument Log

NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/9/06 Analysis: BANs Analyst: LJK

GC Program: ABN1UL Column No: 96972 Column Type: ZB-5

Instrument Tune (.U or .CT.): D60804 EM Voltage: 1835

Calibration File: cc0809 Curve Date: 7/5/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1374-3	
	1375-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF											
1	0922	cc0809.d	ABN 25		1	5.10	324892	7.18	1118078	9.95	626364	12.22	965932	16.36	826790	18.42	721459	17.78	1180779
2	1053	jr91adl.d	JR91A	F1a-B1	3	7.17	1097237	9.94	650767	12.21	958775	16.36	759583	18.42	807502				
3	1124	jr91cdl.d	JR91C	F1a-B4	3	7.17	1136694	9.95	659144	12.21	1001399	16.35	824620	18.43	1002632				
4	1155	jr91ddl.d	JR91D	F1a-S3	3	7.17	1091517	9.95	645144	12.21	985479	16.36	791847	18.42	962461				
5	1225	jq52cdl.d	JQ52C	T4-B414-02-A-DUP	3	5.10	328600	7.17	1121955	9.95	660913	12.21	948685	16.36	864219	17.78	1353174	18.43	1061784
6	1255	jq52ddl.d	JQ52D	T4-S3-08-C-DUP	3	5.09	317536	7.17	1087876	9.95	644339	12.21	981426	16.36	820983	17.77	1223600	18.42	890507
7	1326	jq52bdl2.d	JQ52B	T4-S3-03-C-DUP	5	5.09	290702	7.17	999285	9.95	596369	12.22	947189	16.37	1063388	17.78	1381975	18.43	1115911
8	1357	jq35jdl2.d	JQ35J	T4-S3-05-G	20	5.09	292461	7.17	1011267	9.95	604786	12.21	922058	16.36	798013	17.78	1170038	18.43	907745
9	1427	jq35kdl2.d	JQ35K	T4-S3-05-H	20	5.09	315959	7.17	1091310	9.95	651453	12.21	991469	16.36	839550	17.77	1219579	18.43	980696

LJK 8/10/06

Maintenance / Comments New liner + wool. Clipped column. Cleaned inlet seal

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): cc0809

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 20060710
Sample Matrix: NONE Fraction: SV
Lab Smp Id: GPC1 CAL
Level: Operator: LJR
Data Type: MS DATA SampleType: LCS
SpikeList File: GPC.spk Quant Type: ISTD
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060710.b/SW846.m
Misc Info:

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	37.50	24.26	64.71	
6 2-Chlorophenol	37.50	23.43	62.48	
9 1,4-Dichlorobenzen	25.00	15.58	62.30	
16 N-Nitroso-di-n-pro	25.00	15.98	63.90	
26 1,2,4-Trichloroben	25.00	15.76	63.04	
31 4-Chloro-3-methylp	37.50	26.82	71.53	
44 Acenaphthene	25.00	17.96	71.85	
47 4-Nitrophenol	37.50	28.02	74.73	
48 2,4-Dinitrotoluene	25.00	18.14	72.56	
58 Pentachlorophenol	37.50	27.62	73.64	
65 Pyrene	25.00	21.65	86.60	
73 Di-n-octylphthalat	25.00	19.09	76.37	
80 Benzo(g,h,i)peryle	25.00	16.89	67.55	

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	37.50	23.34	62.25	
$ 2 Phenol-d5	37.50	26.14	69.70	
$ 5 2-Chlorophenol-d4	37.50	25.15	67.06	
$ 10 1,2-Dichlorobenzen	25.00	15.90	63.58	
$ 18 Nitrobenzene-d5	25.00	17.74	70.94	
$ 36 2-Fluorobiphenyl	25.00	18.27	73.09	
$ 55 2,4,6-Tribromophen	37.50	29.71	79.23	
$ 66 Terphenyl-d14	25.00	24.08	96.31	

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GPC 1 Log

Date: 7/31/06 Initial Run Number: 1

Analyst: PC

Loop Number	ARI Lab ID	Aliquot Loaded
1	Acetone	1:1 (10 mL)
2	DCM	↓
3	JQ90 mbs	1:2 (4 mL)
4	A	
5	B	
6	sbs	
7	Ams	
8	Amsd	
9	DCM	1:1 (10 mL)
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		

Comments / Program Name

Flow Rate: 4.8 mL/min
(Average of two measurements)

Method	BAN program	PCB Program
Dump	29	
Collect	61	
Wash	67	

Stop Time: 67.15

Analyst: PC

Lab Temp 21.6°C (64 - 77°F)

Collection Line Witness: N/A Before Run

After Run

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GPC 1 Log

Date: 8/1/06 Initial Run Number: 1

Analyst: TH

Loop Number	ARI Lab ID	Aliquot Loaded
1	Acetone	1:1 (10ML)
2	DCM	↓
3	J235MBS 7/31	1:2 (4ML)
4	A	
5	B	
6	C	
7	D	
8	E	
9	F	
10	G	
11	H	
12	I	
13	J	
14	K	
15	L	
16	M	
17		
18		
19		
20		
21		
22		
23		

Comments / Program Name

Flow Rate: 4.8 mL/min
(Average of two measurements)

Method

	BAN program	PCB Program
Dump	29	
Collect	61	
Wash	67	

Stop Time: 67.15

Analyst: TH

Lab Temp 22.8°C (64 - 77°F)

Collection Line Witness — Before Run: _____ After Run: SC 8/2/06

NWTPH-Dx Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	OTER	TOT OUT
072806MBS	59.8%	0
072806LCS	61.8%	0
T4-S3-02-F-DUP	56.4%	0
T4-S3-02-F-DUP MS	50.9%	0
T4-S3-02-F-DUP MSD	48.7%	0
T4-S3-03-C-DUP	50.7%	0
T4-B414-02-A-DUP	70.7%	0
T4-S3-08-C-DUP	64.0%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(56-108)	(38-118)

Prep Method: SW3550B
Log Number Range: 06-13102 to 06-13114

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: T4-S3-02-F-DUP
MS/MSD

Lab Sample ID: JQ52A
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Date Extracted MS/MSD: 07/28/06

Date Analyzed MS: 08/01/06 07:42
MSD: 08/01/06 07:57
Instrument/Analyst MS: FID3A/JGR
MSD: FID3A/JGR

Sample Amount MS: 5.42 g-dry-wt
MSD: 5.41 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 10.0
MSD: 10.0
Percent Moisture: 45.9%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	589	718	277	46.6%	699	277	39.7%	2.7%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	50.9%	48.7%

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

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID
Page 1 of 1

Sample ID: LCS-072806
LAB CONTROL

Lab Sample ID: LCS-072806
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/01/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 07/28/06
Date Analyzed: 08/01/06 01:03
Instrument/Analyst: FID3A/JGR

Sample Amount: 10.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	89.8	150	59.9%

TPHD Surrogate Recovery

o-Terphenyl	61.8%

Results reported in mg/kg

4

TPH METHOD BLANK SUMMARY

BLANK NO.

JQ52MBS1

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

SDG No.: JQ52 Project No.: T4 EARLY ACTION

Date Extracted: 07/28/06 Matrix: SOLID

Date Analyzed : 08/01/06 Instrument ID : FID3A

Time Analyzed : 0048

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	JQ52LCSS1	JQ52LCSS1	08/01/06
02	T4-S3-02-F-D	JQ52A	08/01/06
03	T4-S3-02-F-D	JQ52AMS	08/01/06
04	T4-S3-02-F-D	JQ52AMSD	08/01/06
05	T4-S3-03-C-D	JQ52B	08/01/06
06	T4-B414-02-A	JQ52C	08/01/06
07	T4-S3-08-C-D	JQ52D	08/01/06
08			

FORM IV TPH

8

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIROMENTAL

SDG No.: JQ52 Project: T4 EARLY ACTION

Instrument ID: FID3A GC Column: RTX-1

Run Date: 07/21/06

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.03 TRIAC: 5.26

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	RT	RT	07/15/06	1449	4.03	5.26
02	IB	IB	07/15/06	1505	4.03	5.26
03	ZZZZZ	ZZZZZ	07/15/06	1521	4.03	5.24
04	50 PPM DIESE	50 PPM DIESE	07/15/06	1537	4.03	5.26
05	100 PPM DIES	100 PPM DIES	07/15/06	1553	4.03	5.26
06	250 PPM DIES	250 PPM DIES	07/15/06	1608	4.03	5.26
07	500 PPM DIES	500 PPM DIES	07/15/06	1624	4.04	5.27
08	1000 PPM DIE	1000 PPM DIE	07/15/06	1640	4.05	5.27
09	2500 PPM DIE	2500 PPM DIE	07/15/06	1656	4.07	5.26
10	DIESEL ICV	DIESEL ICV	07/15/06	1712	4.03	5.27
11	DIESEL CVS	DIESEL CVS	07/15/06	1728	4.03	5.27
12	50 PPM JETA	50 PPM JETA	07/15/06	1744	4.02	5.26
13	100 PPM JETA	100 PPM JETA	07/15/06	1759	4.02	5.26
14	250 PPM JETA	250 PPM JETA	07/15/06	1815	4.03	5.25
15	500 PPM JETA	500 PPM JETA	07/15/06	1831	4.03	5.27
16	1000 PPM JET	1000 PPM JETA	07/15/06	1847	4.04	5.26
17	2500 PPM JET	2500 PPM JETA	07/15/06	1903	4.07	5.26
18	JETA CVS	JETA CVS	07/15/06	1919	4.03	5.26
19	100 PPM MOIL	100 PPM MOIL	07/15/06	1935	4.03	5.25
20	250 PPM MOIL	250 PPM MOIL	07/15/06	1950	4.03	5.25
21	500 PPM MOIL	500 PPM MOIL	07/15/06	2006	4.03	5.26
22	1000 PPM MOI	1000 PPM MOI	07/15/06	2022	4.02	5.27
23	2500 PPM MOI	2500 PPM MOI	07/15/06	2038	4.02	5.30
24	5000 PPM MOI	5000 PPM MOI	07/15/06	2054	4.04	5.34*
25	MOIL ICV	MOIL ICV	07/15/06	2109	4.03	5.26
26	MOIL CVS	MOIL CVS	07/15/06	2125	4.03	5.26

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

SDG No.: JQ52 Project: T4 EARLY ACTION

Instrument ID: FID3A GC Column: RTX-1

Run Date: 08/02/06

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.02 TRIAC: 5.23

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	RT	RT	07/31/06	1647	4.02	5.23
02	IB	IB	07/31/06	1703	4.02	5.23
03	DIESEL#3	DIESEL#3	08/01/06	0017	4.00	5.24
04	MOIL#3	MOIL#3	08/01/06	0032	4.03	5.21
05	JQ52MBS1	JQ52MBS1	08/01/06	0048	4.00	5.20
06	JQ52LCSS1	JQ52LCSS1	08/01/06	0103	4.00	5.20
07	T4-S3-02-F-D	JQ52A	08/01/06	0119	4.02	
08	T4-S3-02-F-D	JQ52AMS	08/01/06	0134	4.02	5.22
09	T4-S3-02-F-D	JQ52AMSD	08/01/06	0149	4.02	
10	T4-S3-03-C-D	JQ52B	08/01/06	0205	4.01	5.24
11	T4-B414-02-A	JQ52C	08/01/06	0220	4.00	5.21
12	T4-S3-08-C-D	JQ52D	08/01/06	0236	4.00	5.22
13	ZZZZZ	ZZZZZ	08/01/06	0251	4.00	5.21
14	ZZZZZ	ZZZZZ	08/01/06	0306	4.00	5.21
15	ZZZZZ	ZZZZZ	08/01/06	0322	4.00	5.23
16	DIESEL#4	DIESEL#4	08/01/06	0337	4.00	5.23
17	MOIL#4	MOIL#4	08/01/06	0352	4.03	5.21
18	ZZZZZ	ZZZZZ	08/01/06	0408	4.00	5.23
19	ZZZZZ	ZZZZZ	08/01/06	0423	4.00	5.21
20	ZZZZZ	ZZZZZ	08/01/06	0438	4.00	5.21
21	ZZZZZ	ZZZZZ	08/01/06	0454	4.02	5.21
22	ZZZZZ	ZZZZZ	08/01/06	0509	4.00	5.21
23	ZZZZZ	ZZZZZ	08/01/06	0524	4.00	5.21
24	ZZZZZ	ZZZZZ	08/01/06	0539	4.00	5.20
25	ZZZZZ	ZZZZZ	08/01/06	0555	4.00	5.20
26	ZZZZZ	ZZZZZ	08/01/06	0610	4.00	5.21
27	ZZZZZ	ZZZZZ	08/01/06	0625	4.00	5.21
28	ZZZZZ	ZZZZZ	08/01/06	0641	4.00	5.23
29	DIESEL#5	DIESEL#5	08/01/06	0656	4.00	5.23
30	MOIL#5	MOIL#5	08/01/06	0711	4.00	5.21
31	T4-S3-02-F-D	JQ52A	08/01/06	0727	4.00	5.20
32	T4-S3-02-F-D	JQ52AMS	08/01/06	0742	4.00	5.20

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIRONMENTAL

SDG No.: JQ52 Project: T4 EARLY ACTION

Instrument ID: FID3A GC Column: RTX-1

Run Date: 08/02/06

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, AND STANDARDS, IS GIVEN BELOW:

SURROGATE RT FROM DAILY STANDARD
TERPH: 4.02 TRIAC: 5.23

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	T4-S3-02-F-D	JQ52AMSD	08/01/06	0757	4.00	5.20
02	ZZZZZ	ZZZZZ	08/01/06	0812	4.00	5.19
03	ZZZZZ	ZZZZZ	08/01/06	0828	4.01	5.21
04	ZZZZZ	ZZZZZ	08/01/06	0843	4.01	5.24
05	DIESEL#6	DIESEL#6	08/01/06	0858	4.03	5.23
06	MOIL#6	MOIL#6	08/01/06	0914	4.00	5.23

QC LIMITS

TERPH = o-terph (+/- 0.05 MINUTES)
TRIAC = Triacon Surr (+/- 0.05 MINUTES)

* Values outside of QC limits.

FORM VIII TPH

NWTPH-Dx Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID
Page 1 of 1
Matrix: Sediment

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized:
Reported: 08/01/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
MB-072806	Method Blank	07/28/06	08/01/06	1.0	Diesel	< 5.0 U
06-13102	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	59.8%
JQ52A	T4-S3-02-F-DUP	07/28/06	08/01/06	10	**Diesel**	**590**
06-13102	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**710**
					o-Terphenyl	56.4%
JQ52B	T4-S3-03-C-DUP	07/28/06	08/01/06	1.0	**Diesel**	**360**
06-13103	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**520**
					o-Terphenyl	50.7%
JQ52C	T4-B414-02-A-DUP	07/28/06	08/01/06	1.0	**Diesel**	**21**
06-13104	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**52**
					o-Terphenyl	70.7%
JQ52D	T4-S3-08-C-DUP	07/28/06	08/01/06	1.0	**Diesel**	**43**
06-13114	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**160**
					o-Terphenyl	64.0%

Reported in mg/kg (ppm)

Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a067.d ARI ID: JQ52A
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 07:27
Operator: JR
Report Date: 08/01/2006 Dilution Factor: 10
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.243	-0.008	12505	14900	GAS (Tol-C12)	149175	7
C8	1.435	-0.001	1999	3018	DIESEL (C12-C24)	3941667	319
C10	2.664	0.008	282	250	M.OIL (C24-C38)	3627143	385
C12	3.137	0.002	4139	2619	AK-102 (C10-C25)	3992837	275
C14	3.441	0.001	18350	9978	AK-103 (C25-C36)	3350171	528
C16	3.704	0.005	42673	5937			
C18	3.943	0.005	148017	109364			
C20	4.167	0.002	57683	46978			
C22	4.380	-0.005	58298	42200	STODDARD (C8-C12)	79923	5
C24	4.603	0.003	114406	100009			
C25	4.708	0.000	44072	27356			
C26	4.806	-0.005	43111	21789			
C28	5.009	-0.006	94306	126766			
C32	5.437	0.007	68950	68587			
C34	5.637	0.002	36002	5738			
Filter Peak	6.205	-0.003	13901	9261			
C36	5.833	-0.001	29703.0	18821	o-Terph Surrogate Rec = 56.4%		(46208)
C38	6.035	-0.001	20308.0	8820	Triacon Surrogate Rec = 57.3%		(39375)
C40	6.286	0.001	13509	13091			
o-terph	3.998	-0.019	136076	46208	JET-A (C10-C18)	1778549	154
Triacon Surr	5.198	-0.033	65231	39375			

JR 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a067.d

Date : 01-AUG-2006 07:27

Client ID:

Sample Info: JQ52A,10

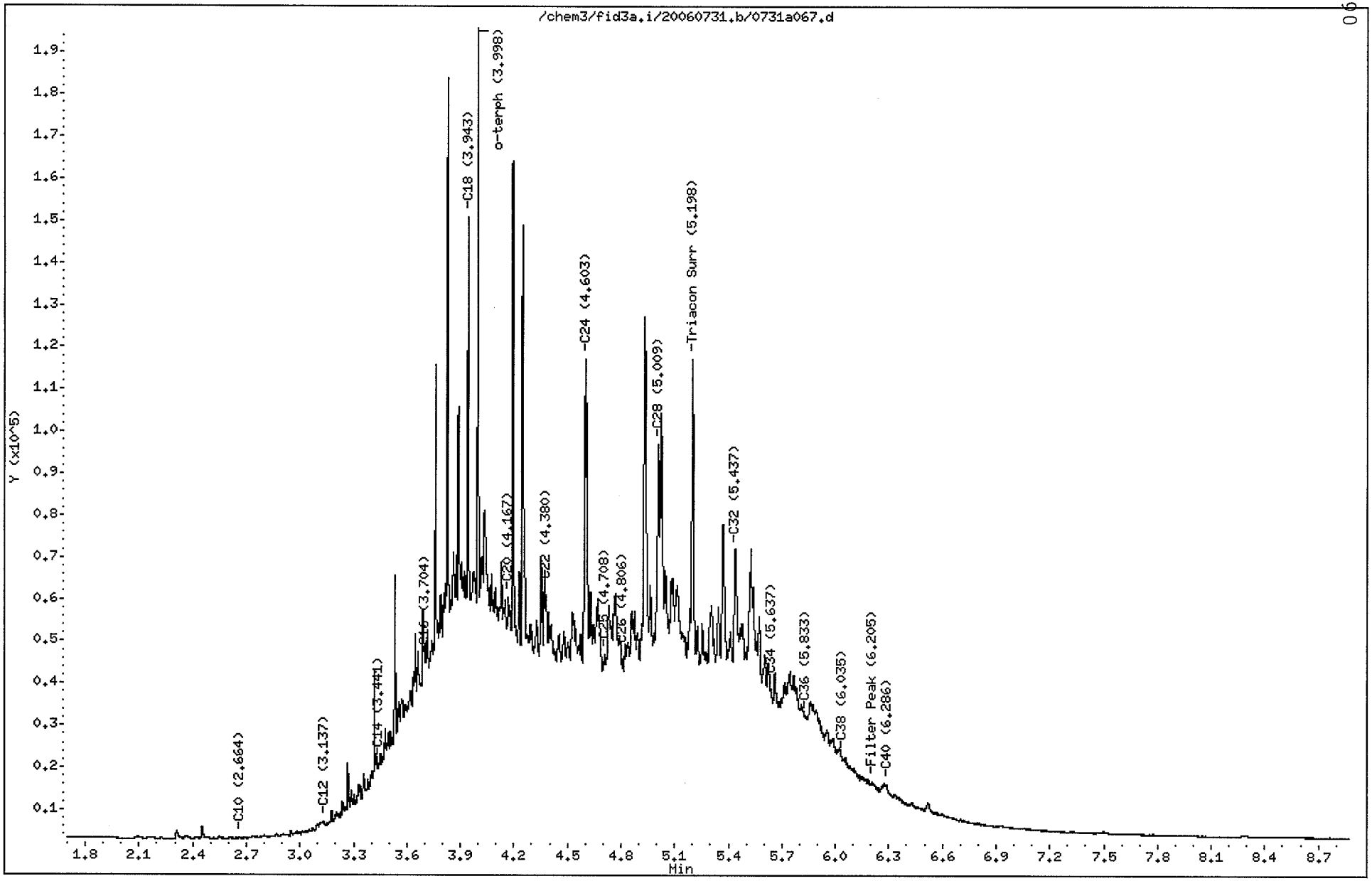
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0622



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a046.d ARI ID: JQ52B
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 02:05
Operator: JR
Report Date: 08/01/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.237	-0.013	35199	47415	GAS (Tol-C12)	601951	30
C8	1.410	-0.025	65100	50988	DIESEL (C12-C24)	26085581	2108
C10	2.656	0.000	1642	1660	M.OIL (C24-C38)	28298809	3000
C12	3.133	-0.002	22210	10611	AK-102 (C10-C25)	26492427	1826
C14	3.438	-0.002	129976	61459	AK-103 (C25-C36)	25804315	4064
C16	3.698	-0.002	315805	271186			
C18	3.931	-0.008	422294	271254			
C20	4.169	0.004	401900	229873			
C22	4.388	0.003	376709	170110	STODDARD (C8-C12)	414331	28
C24	4.599	-0.002	365363	86763			
C25	4.702	-0.005	400836	424624			
C26	4.814	0.003	364456	158652			
C28	5.014	-0.001	389610	136082			
C32	5.433	0.003	336879	190551			
C34	5.635	0.000	323396	32245			
Filter Peak	6.212	0.005	108103	21413			
C36	5.832	-0.002	266765.0	83771	o-Terph Surrogate Rec = 50.6%		(414487)
C38	6.039	0.003	169016.0	36941	Triacon Surrogate Rec = 53.1%		(364884)
C40	6.282	-0.002	88183	25931			
o-terph	4.012	-0.005	558315	414487	JET-A (C10-C18)	11592371	1001
Triacon Surr	5.235	0.004	229902	364884			

08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a046.d

Date : 01-AUG-2006 02:05

Client ID:

Sample Info: JQ52B

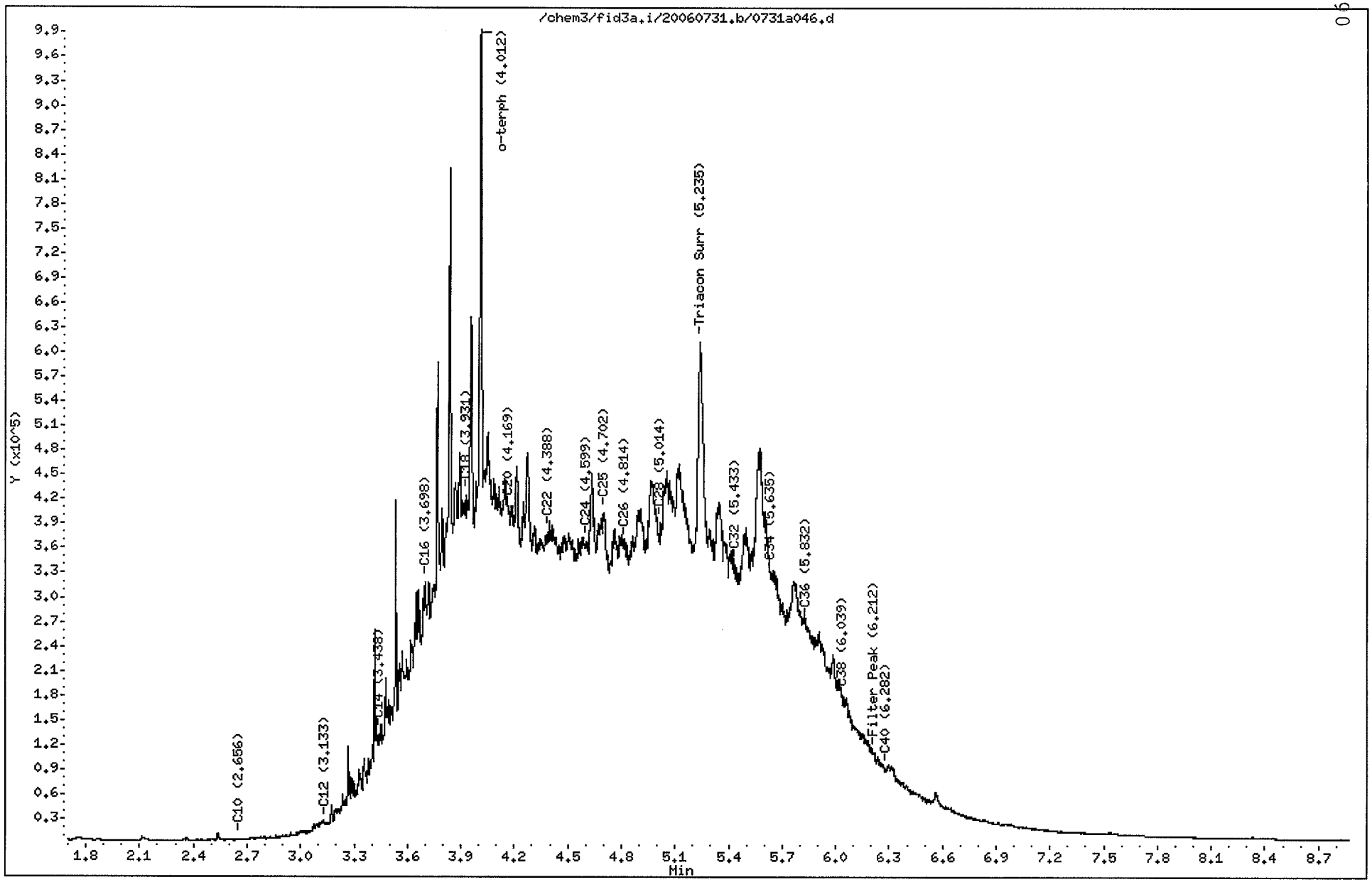
Instrument: fid3a.i

Operator: JR

Column phase: RTX-1

Column diameter: 0.25

0624



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a047.d ARI ID: JQ52C
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 02:20
Operator: JR
Report Date: 08/01/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.246	-0.005	32823	43257	GAS (Tol-C12)	322020	16
C8	1.416	-0.019	90099	67540	DIESEL (C12-C24)	1310674	106
C10	2.658	0.002	359	308	M.OIL (C24-C38)	2448811	260
C12	3.129	-0.006	1248	1561	AK-102 (C10-C25)	1364833	94
C14	3.434	-0.006	2063	1865	AK-103 (C25-C36)	2265155	357
C16	3.688	-0.012	7228	8036			
C18	3.941	0.002	11471	5298			
C20	4.164	-0.001	15913	13030			
C22	4.388	0.003	23569	6429	STODDARD (C8-C12)	157265	10
C24	4.600	0.000	145832	96973			
C25	4.704	-0.004	21863	13986			
C26	4.822	0.012	21033	11740			
C28	5.020	0.005	101715	95165			
C32	5.433	0.003	73377	91757			
C34	5.640	0.005	21205	14754			
Filter Peak	6.213	0.005	9768	7469			
C36	5.828	-0.006	19459.0	14283	o-Terph Surrogate Rec = 70.6%		(578122)
C38	6.042	0.006	12726.0	6477	Triacon Surrogate Rec = 76.4%		(525055)
C40	6.290	0.006	8592	3223			
o-terph	4.000	-0.017	1314127	578122	JET-A (C10-C18)	277543	24
Triacon Surr	5.208	-0.023	730640	525055			

JL 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a047.d

Date : 01-AUG-2006 02:20

Client ID:

Sample Info: JQ52C

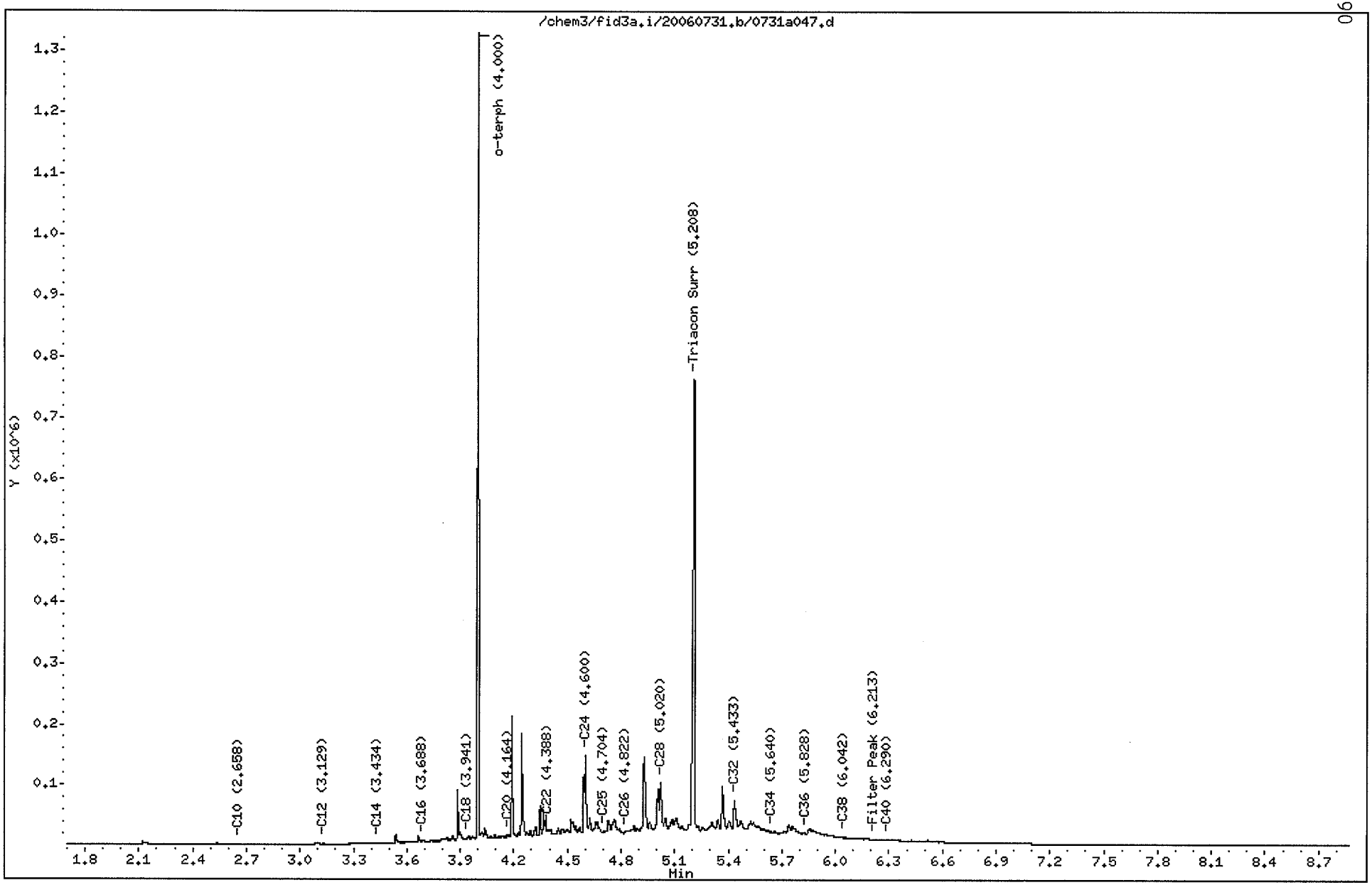
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0626



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a048.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/01/2006
Macro: 21-JUN-2006

ARI ID: JQ52D
Client ID:
Injection: 01-AUG-2006 02:36
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.242	-0.008	33795	40308	GAS (Tol-C12)	390888	20
C8	1.414	-0.022	85135	64896	DIESEL (C12-C24)	4555970	368
C10	2.658	0.002	1004	801	M.OIL (C24-C38)	12393972	1314
C12	3.146	0.011	4099	4999	AK-102 (C10-C25)	4623358	319
C14	3.445	0.005	14925	9215	AK-103 (C25-C36)	11543605	1818
C16	3.698	-0.002	20716	12099			
C18	3.945	0.006	56579	61037			
C20	4.168	0.003	60115	34965			
C22	4.379	-0.006	102572	90729	STODDARD (C8-C12)	214253	14
C24	4.598	-0.003	219754	147176			
C25	4.708	0.000	99963	11971			
C26	4.801	-0.010	170522	267600			
C28	5.020	0.005	276741	345905			
C32	5.430	0.000	153841	66371			
C34	5.629	-0.006	206091	327707			
Filter Peak	6.209	0.002	40367	16727			
C36	5.834	0.000	111925.0	35334	o-Terph Surrogate Rec = 64.1%		(524602)
C38	6.030	-0.005	65978.0	11725	Triacon Surrogate Rec = 56.4%		(388050)
C40	6.274	-0.011	37477	23276			
o-terph	4.000	-0.017	1184312	524602	JET-A (C10-C18)	933553	81
Triacon Surr	5.218	-0.013	391946	388050			

JL 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

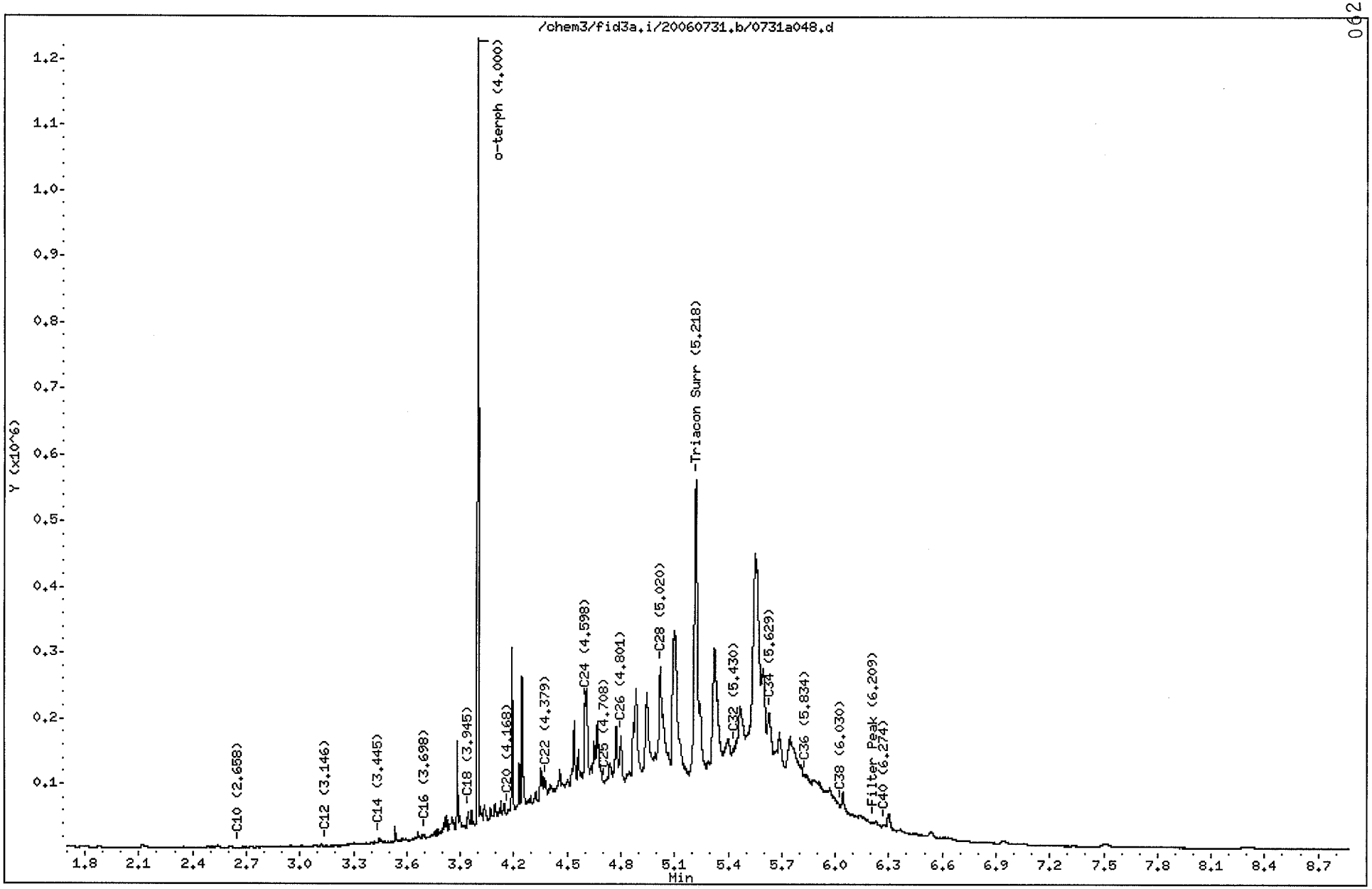
Data File: /chem3/fid3a.i/20060731.b/0731a048.d
Date : 01-AUG-2006 02:36
Client ID:
Sample Info: JQ52D

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0628



NWTPH-Dx Analysis
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

6a
NW DIESEL INITIAL CALIBRATION

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

Instrument: FID3A.I Project: T4 EARLY ACTION

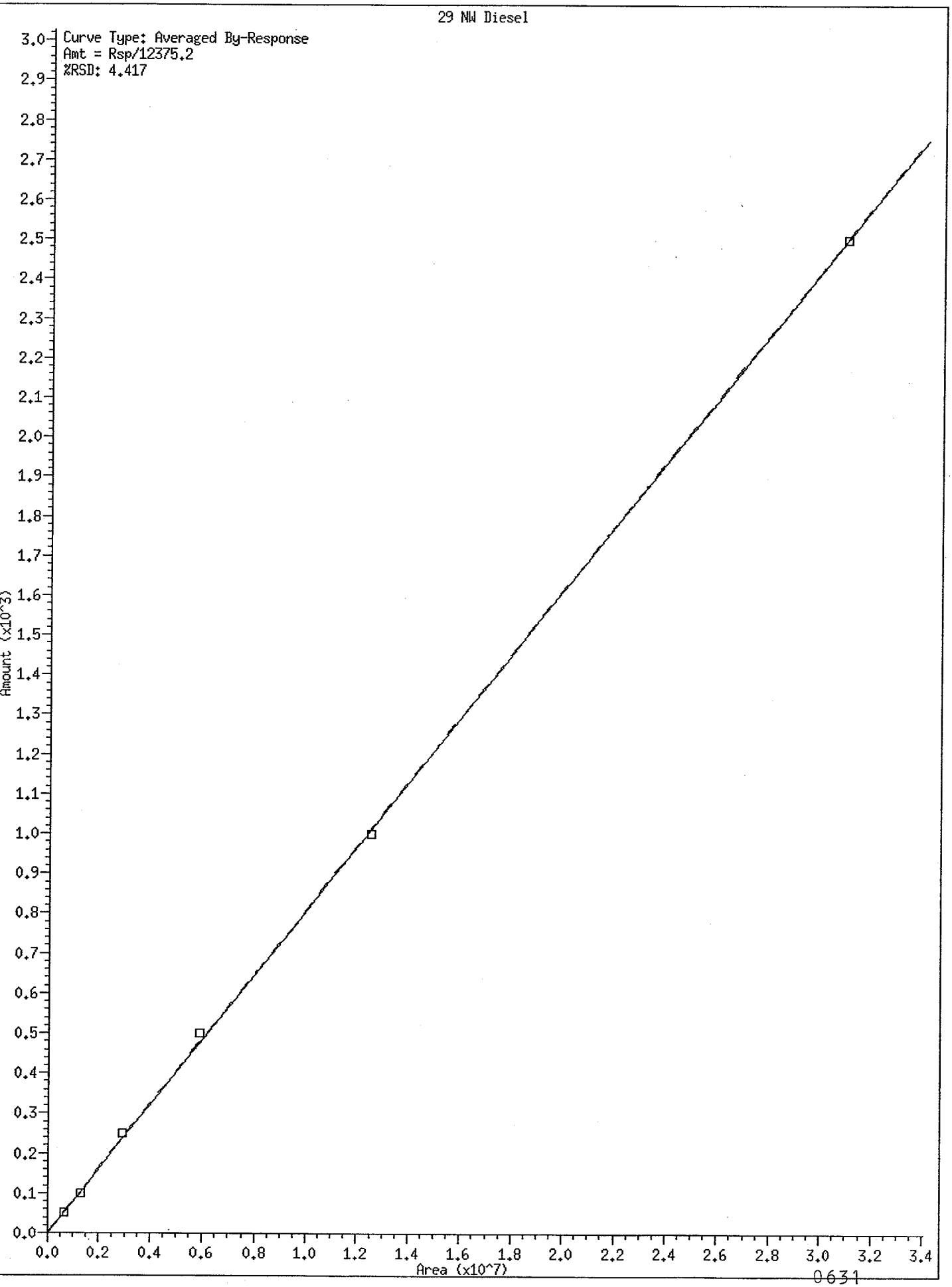
Calibration Date: 15-JUL-2006 SDG No.: JQ52

Diesel Range	RF1 50	RF2 100	RF3 250	RF4 500	RF5 1000	RF6 2500	Ave RF	%RSD
WA Diesel	13012	12856	11663	11806	12534	12381	12375	4.4
AK Diesel	15122	15046	13678	13885	14730	14610	14512	4.1
OR Diesel	15396	15264	13849	14059	14911	14802	14714	4.3
o-Terph	17752	18636	17602	18006	17490	19676	18194	4.6

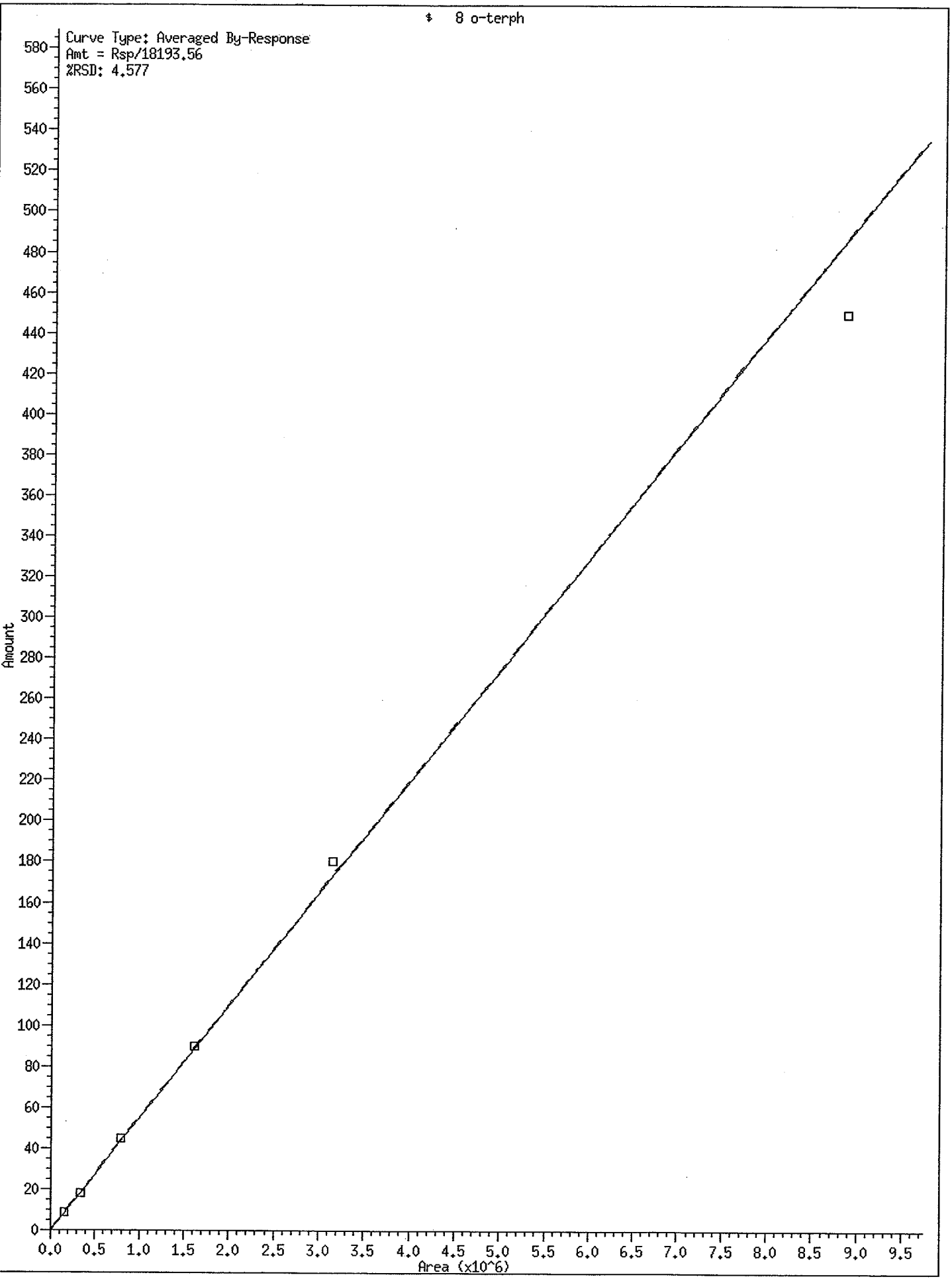
<- Indicates %RSD outside limits
Surrogate areas are not included in Diesel RF calculation.

Quant Ranges : WA Diesel C12-C24 (3.154-4.597)
AK Diesel C10-C25 (2.673-4.704)
OR Diesel C10-C28 (2.673-5.028)

Calibration Files	Analysis Time
0715a014.d	15-JUL-2006 15:37
0715a015.d	15-JUL-2006 15:53
0715a016.d	15-JUL-2006 16:08
0715a017.d	15-JUL-2006 16:24
0715a018.d	15-JUL-2006 16:40
0715a019.d	15-JUL-2006 16:56


29 NW Diesel
Curve Type: Averaged By-Response
Amt = Rsp/12375.2
%RSD: 4.417
Amount (x10^3)
Area (x10^7)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4

0631


$ 8 o-terph
Curve Type: Averaged By-Response
Amt = Rsp/18193.56
%RSD: 4.577
Amount
Area (x10^6)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
560
580
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
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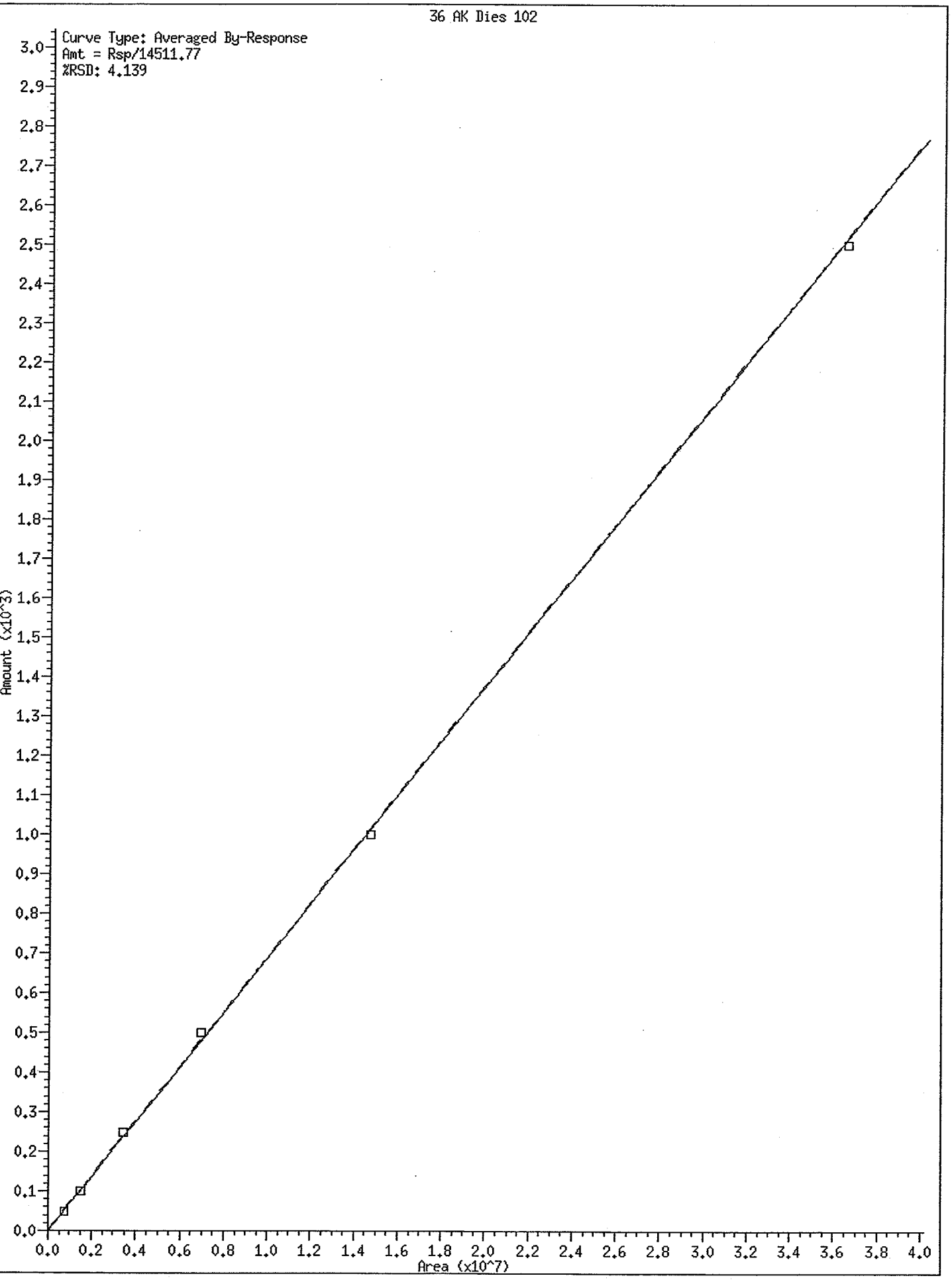
8.0
8.5
9.0
9.5


36 AK Dies 102
Curve Type: Averaged By-Response
Amt = Rsp/14511.77
%RSD: 4.139
Amount (x10^3)
Area (x10^7)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a011.d ARI ID: RT
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 14:49
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.262	0.000	412228	340156	GAS (Tol-C12)	1001018	52
C8	1.450	0.000	250867	220714	DIESEL (C12-C24)	1466162	118
C10	2.673	0.000	453857	199354	M.OIL (C24-C38)	1787458	190
C12	3.154	0.000	676168	214543	AK-102 (C10-C25)	1893397	130
C14	3.460	0.000	759151	217474	AK-103 (C25-C36)	1557006	245
C16	3.720	0.000	727083	229570			
C18	3.953	0.000	559507	232304			
C20	4.172	0.000	601693	235527			
C22	4.386	0.000	556374	236095	STODDARD (C8-C12)	656708	44
C24	4.597	0.000	519229	239695			
C25	4.704	0.000	604958	315813			
C26	4.810	0.000	494768	241476			
C28	5.028	0.000	422434	236266			
C32	5.466	0.000	429725	239759			
C34	5.680	0.000	385033	234089			
Filter Peak	6.229	0.000	2860	5424			
C36	5.887	0.000	413247.0	239088	o-Terph Surrogate Rec = 89.5%		(732763)
C38	6.107	0.000	286846.0	214323	Triacon Surrogate Rec = 106.3%		(730826)
C40	6.384	0.000	218670	196573			
o-terph	4.030	0.000	1577843	732763	JET-A (C10-C18)	1169950	101
Triacon Surr	5.258	0.000	918305	730826			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

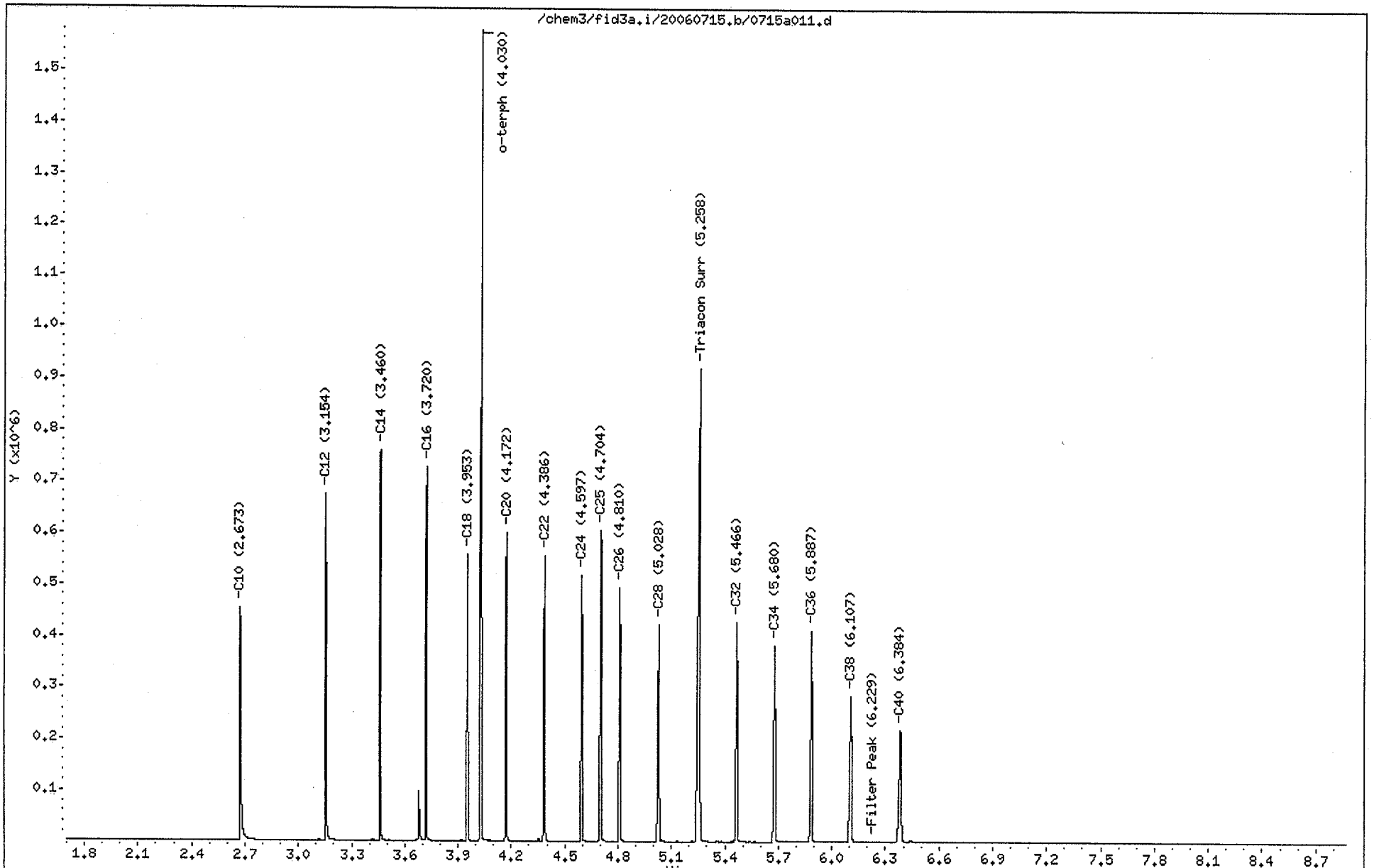
Data File: /chem3/fid3a.i/20060715.b/0715a011.d
Date : 15-JUL-2006 14:49
Client ID:
Sample Info: RT

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0635



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a012.d ARI ID: IB
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 15:05
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	9037	0
C8	1.425	-0.026	758	696	DIESEL (C12-C24)	63985	5
C10	2.676	0.002	105	47	M.OIL (C24-C38)	82101	9
C12	3.154	0.000	129	47	AK-102 (C10-C25)	67608	5
C14	3.460	-0.001	143	106	AK-103 (C25-C36)	58548	9
C16	3.680	-0.041	95486	47438			
C18	3.956	0.003	259	148			
C20	4.174	0.002	413	394			
C22	4.387	0.001	431	315	STODDARD (C8-C12)	9037	1
C24	4.597	0.000	390	389			
C25	4.703	-0.001	365	380			
C26	4.812	0.002	389	431			
C28	5.025	-0.003	949	830			
C32	5.462	-0.004	3122	3254			
C34	5.676	-0.004	1224	1333			
Filter Peak	6.232	0.002	2042	852			
C36	5.883	-0.004	1793.0	2543	o-Terph Surrogate Rec = 87.4%		(715593)
C38	6.103	-0.004	2120.0	3156	Triacon Surrogate Rec = 102.9%		(707174)
C40	6.379	-0.005	2166	4290			
o-terph	4.031	0.001	1529747	715593	JET-A (C10-C18)	57875	5
Triacon Surr	5.259	0.001	849057	707174			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

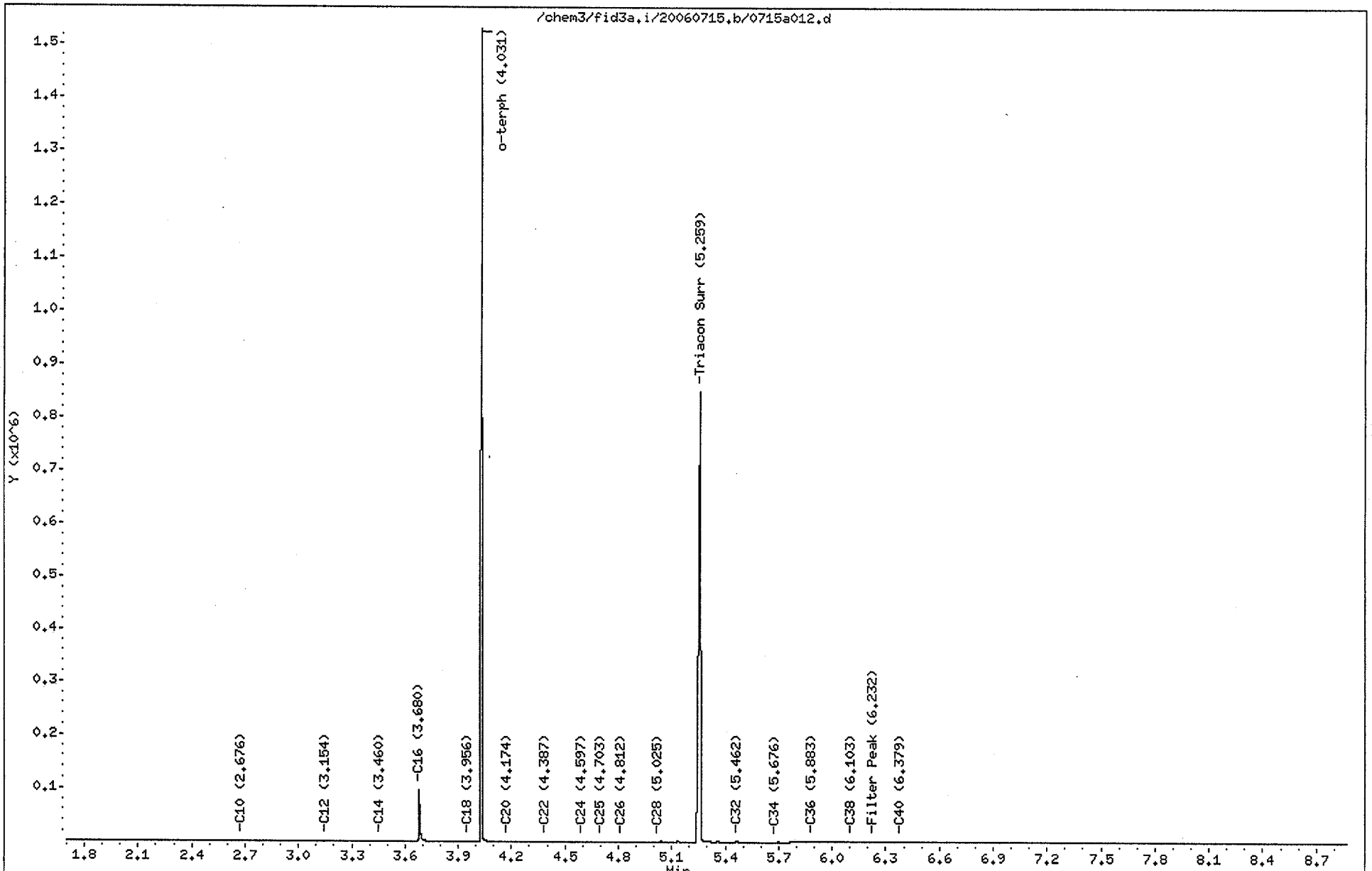
Data File: /chem3/fid3a.i/20060715.b/0715a012.d
Date : 15-JUL-2006 15:05
Client ID:
Sample Info: IB

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0637



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a014.d ARI ID: 50 PPM DIESEL
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 15:37
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.269	0.007	6903	16909	GAS (Tol-C12)	151028	8
C8	1.434	-0.016	794	1241	DIESEL (C12-C24)	650607	53
C10	2.676	0.003	895	661	M.OIL (C24-C38)	66116	7
C12	3.158	0.004	16589	13202	AK-102 (C10-C25)	756109	52
C14	3.461	0.001	33043	18851	AK-103 (C25-C36)	48729	8
C16	3.719	-0.001	39331	23811			
C18	3.952	-0.001	31049	16145			
C20	4.171	-0.001	19921	10389			
C22	4.385	-0.002	7299	4596	STODDARD (C8-C12)	127597	8
C24	4.595	-0.002	2759	2982			
C25	4.701	-0.003	1595	1592			
C26	4.809	-0.001	955	1277			
C28	5.025	-0.003	437	293			
C32	5.468	0.002	542	86			
C34	5.678	-0.001	893	631			
Filter Peak	6.227	-0.002	1778	424			
C36	5.891	0.005	1454.0	574	o-Terph Surrogate Rec = 19.5%		(159772)
C38	6.110	0.003	1775.0	1162	Triacon Surrogate Rec = 0.0%		(117)
C40	6.389	0.004	1751	1182			
o-terph	4.026	-0.004	481364	159772	JET-A (C10-C18)	594113	51
Triacon Surr	5.264	0.007	372	117			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

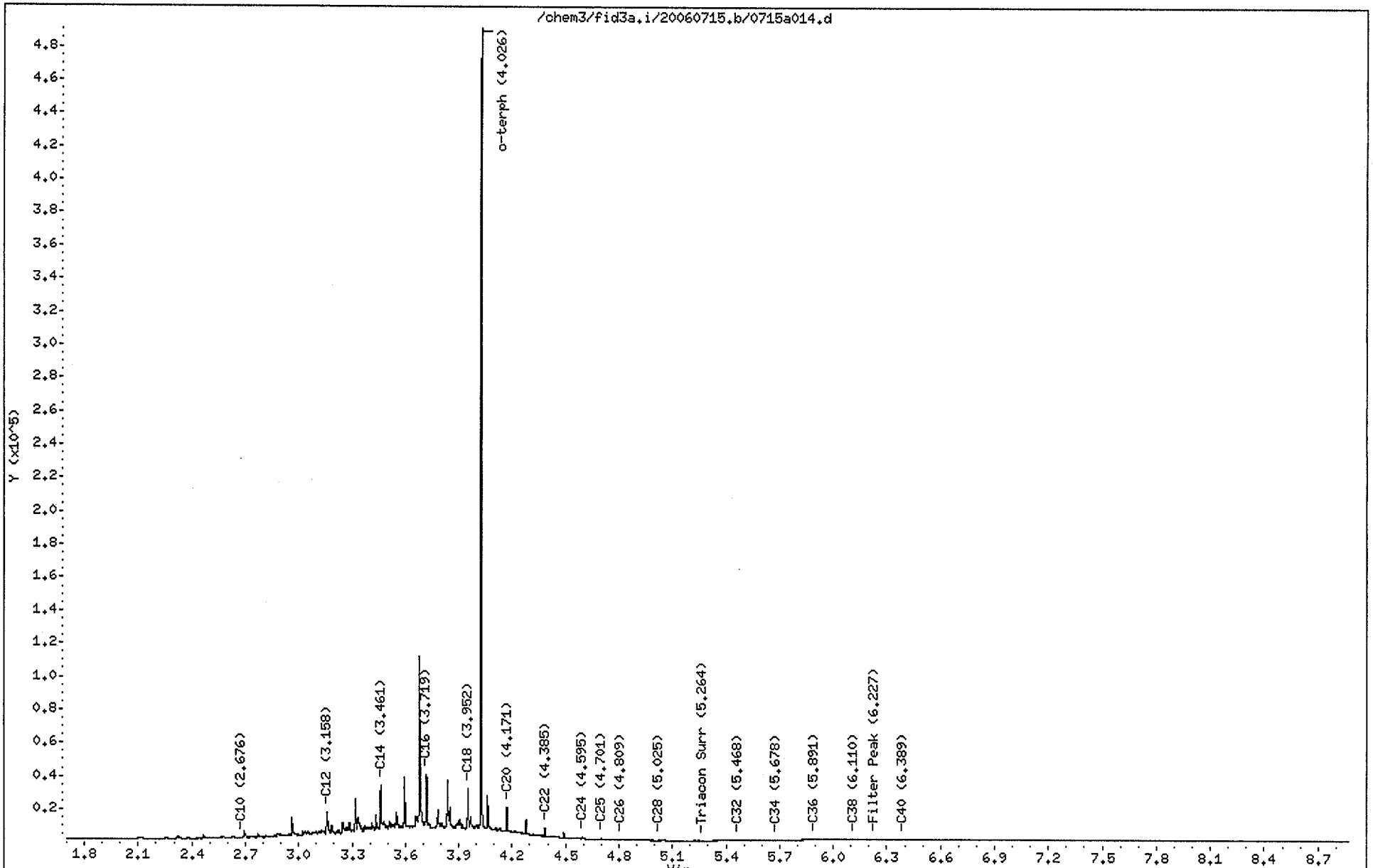
Data File: /chem3/fid3a.i/20060715.b/0715a014.d
Date : 15-JUL-2006 15:37
Client ID:
Sample Info: 50 PPM DIESEL

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0639



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a015.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 100 PPM DIESEL
Client ID:
Injection: 15-JUL-2006 15:53
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.271	0.009	7080	13284	GAS (Tol-C12)	279179	15
C8	1.458	0.008	456	134	DIESEL (C12-C24)	1285631	104
C10	2.674	0.001	1747	1204	M.OIL (C24-C38)	74375	8
C12	3.157	0.004	44837	22238	AK-102 (C10-C25)	1504564	103
C14	3.461	0.001	71777	31918	AK-103 (C25-C36)	55157	9
C16	3.720	0.000	86796	37234			
C18	3.952	-0.001	65202	32061			
C20	4.169	-0.002	43820	22108			
C22	4.383	-0.003	15277	9136	STODDARD (C8-C12)	260246	17
C24	4.592	-0.005	5794	5084			
C25	4.698	-0.006	3161	3100			
C26	4.805	-0.005	1693	2160			
C28	5.023	-0.005	578	533			
C32	5.471	0.005	494	154			
C34	5.673	-0.007	1022	1234			
Filter Peak	6.227	-0.002	1668	699			
C36	5.889	0.003	1339.0	477	o-Terph Surrogate Rec = 41.0%		(335447)
C38	6.111	0.004	1632.0	747	Triacon Surrogate Rec = 0.0%		(217)
C40	6.385	0.001	1619	645			
o-terph	4.027	-0.002	945244	335447	JET-A (C10-C18)	1171472	101
Triacon Surr	5.260	0.002	354	217			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

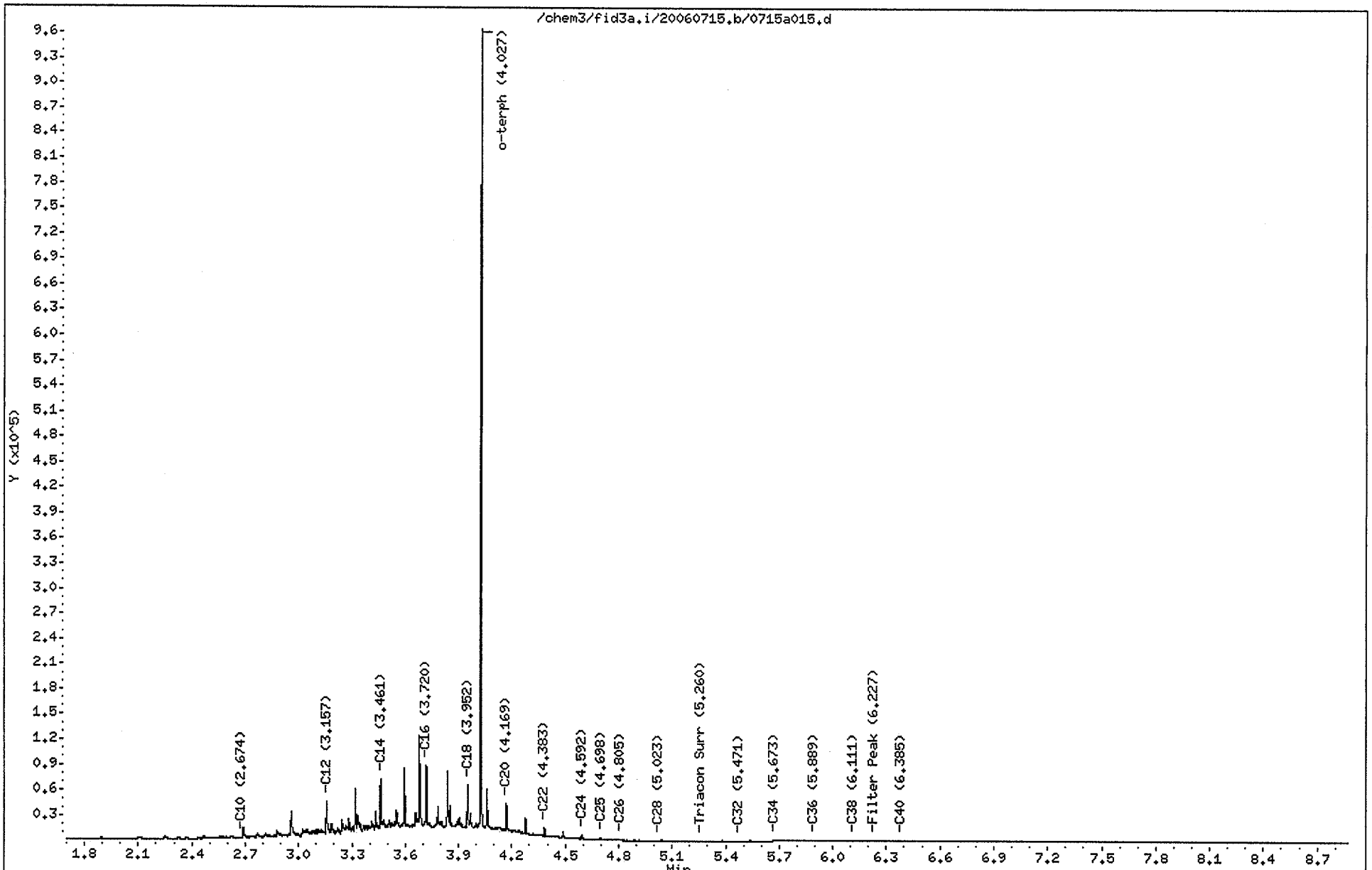
Data File: /chem3/fid3a.i/20060715.b/0715a015.d
Date : 15-JUL-2006 15:53
Client ID:
Sample Info: 100 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0641



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a016.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 250 PPM DIESEL
Client ID:
Injection: 15-JUL-2006 16:08
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.268	0.006	10272	14708	GAS (Tol-C12)	641169	34
C8	1.466	0.016	4109	4060	DIESEL (C12-C24)	2915740	236
C10	2.671	-0.002	4117	2767	M.OIL (C24-C38)	92562	10
C12	3.154	0.001	128065	54370	AK-102 (C10-C25)	3419417	234
C14	3.460	0.000	170308	77024	AK-103 (C25-C36)	73350	12
C16	3.720	0.000	199255	88014			
C18	3.953	0.000	140894	86489			
C20	4.170	-0.001	101020	48641			
C22	4.383	-0.003	36777	19411	STODDARD (C8-C12)	610268	41
C24	4.592	-0.005	13433	10593			
C25	4.697	-0.007	7543	6049			
C26	4.805	-0.005	3903	4087			
C28	5.023	-0.004	1014	871			
C32	5.471	0.005	476	188			
C34	5.671	-0.008	801	981			
Filter Peak	6.227	-0.002	1576	593			
C36	5.885	-0.002	1257.0	447	o-Terph Surrogate Rec = 96.7%		(792076)
C38	6.110	0.003	1518.0	878	Triacon Surrogate Rec = 0.0%		(236)
C40	6.388	0.004	1498	388			
o-terph	4.031	0.002	1615933	792076	JET-A (C10-C18)	2635654	228
Triacon Surr	5.257	0.000	378	236			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

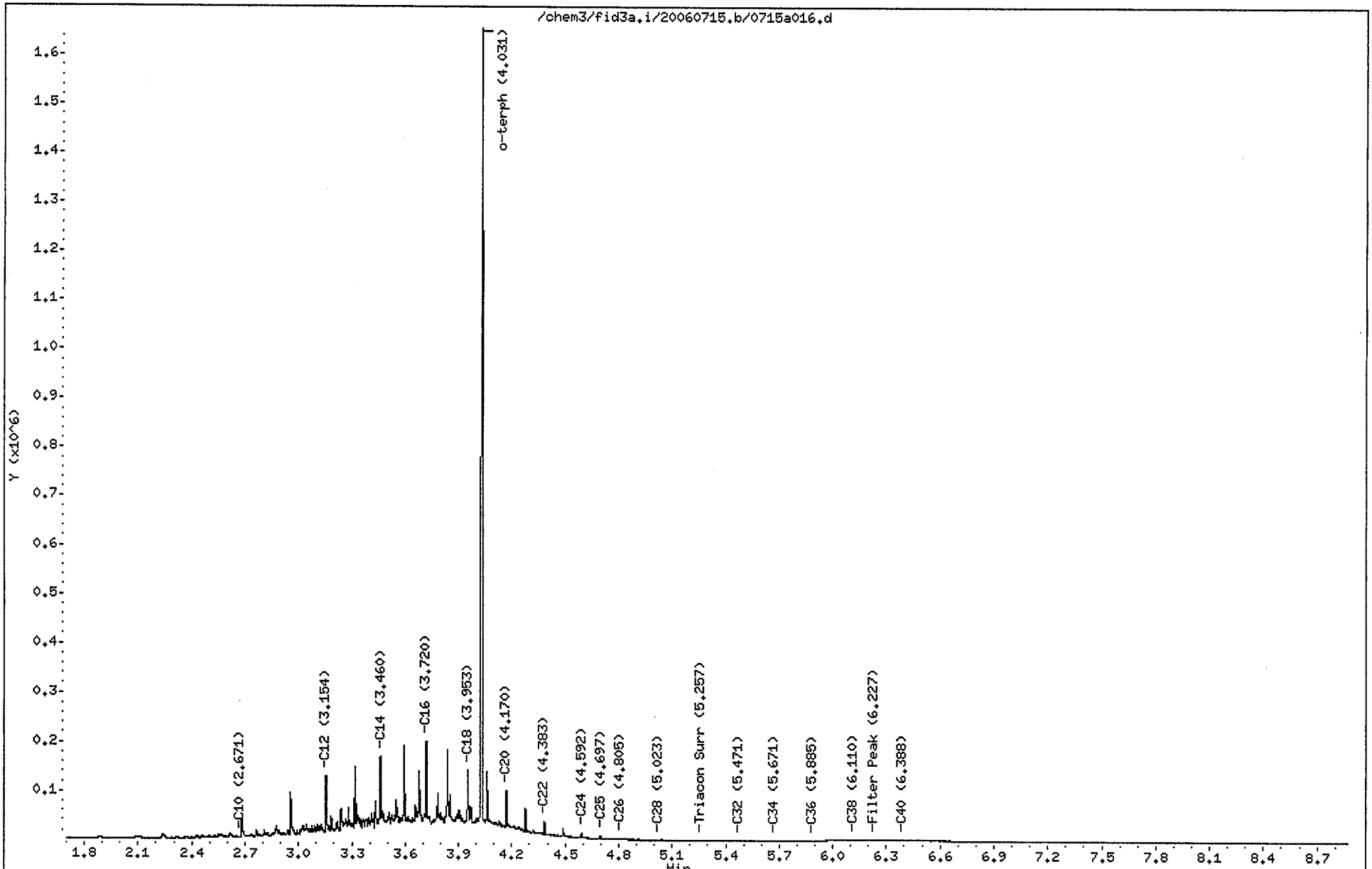
Data File: /chem3/fid3a.i/20060715.b/0715a016.d
Date : 15-JUL-2006 16:08
Client ID:
Sample Info: 250 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0643



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a017.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 500 PPM DIESEL
Client ID:
Injection: 15-JUL-2006 16:24
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.272	0.010	12935	16655	GAS (Tol-C12)	1281510	67
C8	1.434	-0.016	2262	2472	DIESEL (C12-C24)	5902829	477
C10	2.668	-0.005	8507	5311	M.OIL (C24-C38)	144869	15
C12	3.154	0.000	282009	112497	AK-102 (C10-C25)	6942316	476
C14	3.461	0.000	351189	164143	AK-103 (C25-C36)	124724	20
C16	3.721	0.001	374614	184254			
C18	3.956	0.003	252301	168431			
C20	4.173	0.002	195988	96164			
C22	4.386	-0.001	73983	38044	STODDARD (C8-C12)	1245238	83
C24	4.593	-0.004	28626	27221			
C25	4.699	-0.006	15596	13430			
C26	4.805	-0.005	7979	8222			
C28	5.022	-0.006	1982	1518			
C32	5.460	-0.006	621	747			
C34	5.673	-0.007	891	1098			
Filter Peak	6.231	0.002	1395	666			
C36	5.892	0.005	1234.0	975	o-Terph Surrogate Rec = 197.9%		(1620546)
C38	6.108	0.001	1465.0	233	Triacon Surrogate Rec = 0.0%		(259)
C40	6.387	0.003	1340	265			
o-terph	4.039	0.010	2247169	1620546	JET-A (C10-C18)	5341260	461
Triacon Surr	5.266	0.008	490	259			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

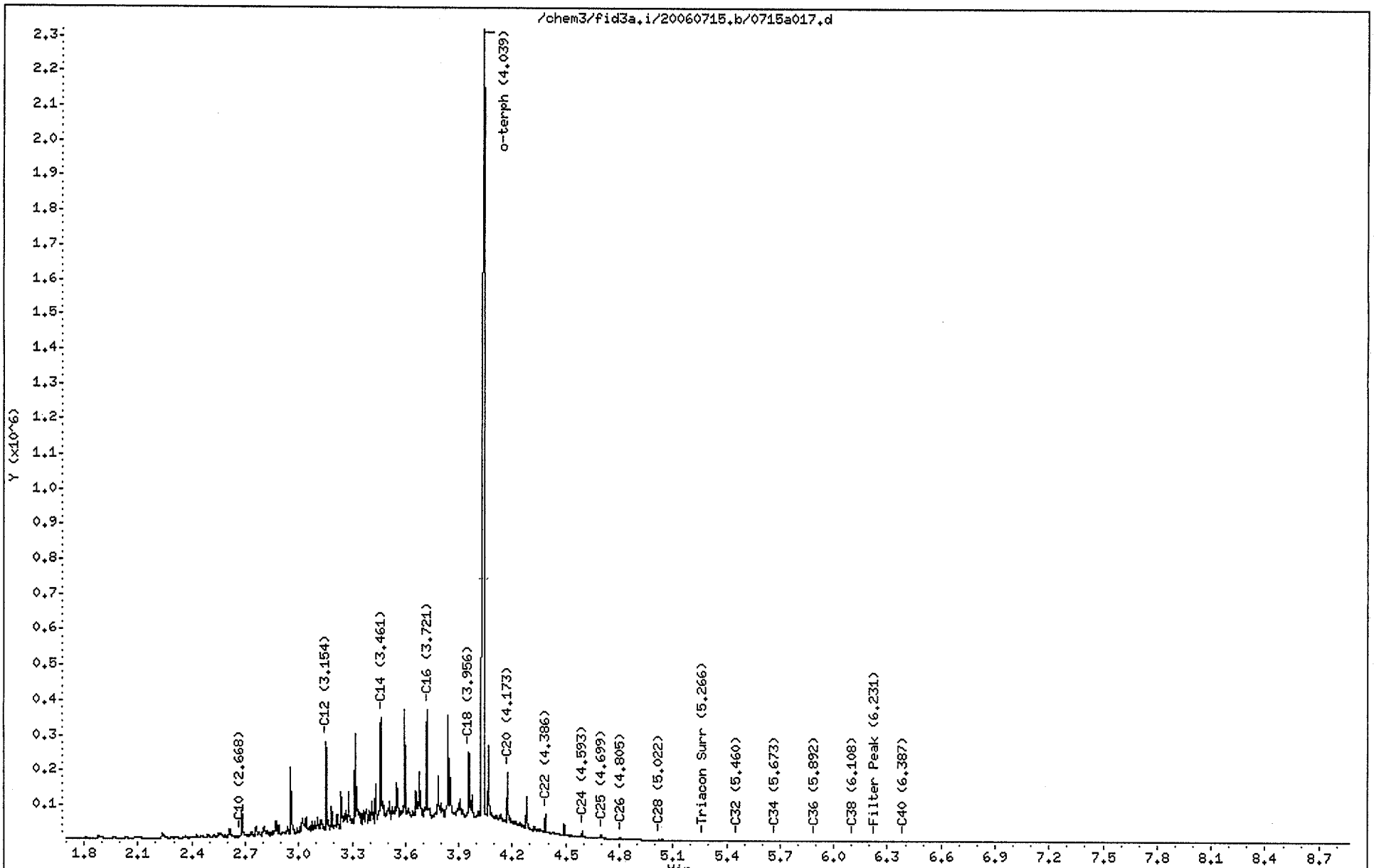
Data File: /chem3/fid3a.i/20060715.b/0715a017.d
Date : 15-JUL-2006 16:24
Client ID:
Sample Info: 500 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0645



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a018.d ARI ID: 1000 PPM DIESEL
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 16:40
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006
FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.270	0.008	20680	23077	GAS (Tol-C12)	2742995	144
C8	1.465	0.015	16885	15226	DIESEL (C12-C24)	12533515	1013
C10	2.675	0.002	198156	101447	M.OIL (C24-C38)	271069	29
C12	3.154	0.000	565019	239642	AK-102 (C10-C25)	14730108	1009
C14	3.462	0.002	706670	322060	AK-103 (C25-C36)	247062	39
C16	3.724	0.004	686459	402240			
C18	3.947	-0.005	149580	75851			
C20	4.177	0.005	380784	257005			
C22	4.386	0.000	149740	90565	STODDARD (C8-C12)	2668215	178
C24	4.593	-0.003	57533	44359			
C25	4.698	-0.006	32721	27542			
C26	4.805	-0.005	17478	18531			
C28	5.020	-0.007	4302	3426			
C32	5.458	-0.008	1290	2508			
C34	5.671	-0.008	1996	2589			
Filter Peak	6.228	-0.001	1686	974			
C36	5.884	-0.002	1689.0	2341	o-Terph Surrogate Rec = 384.5%		(3148125)
C38	6.107	0.001	1755.0	1143	Triacon Surrogate Rec = 0.0%		(151)
C40	6.381	-0.003	1566	498			
o-terph	4.048	0.019	2645938	3148125	JET-A (C10-C18)	11099242	958
Triacon Surr	5.268	0.011	1089	151			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

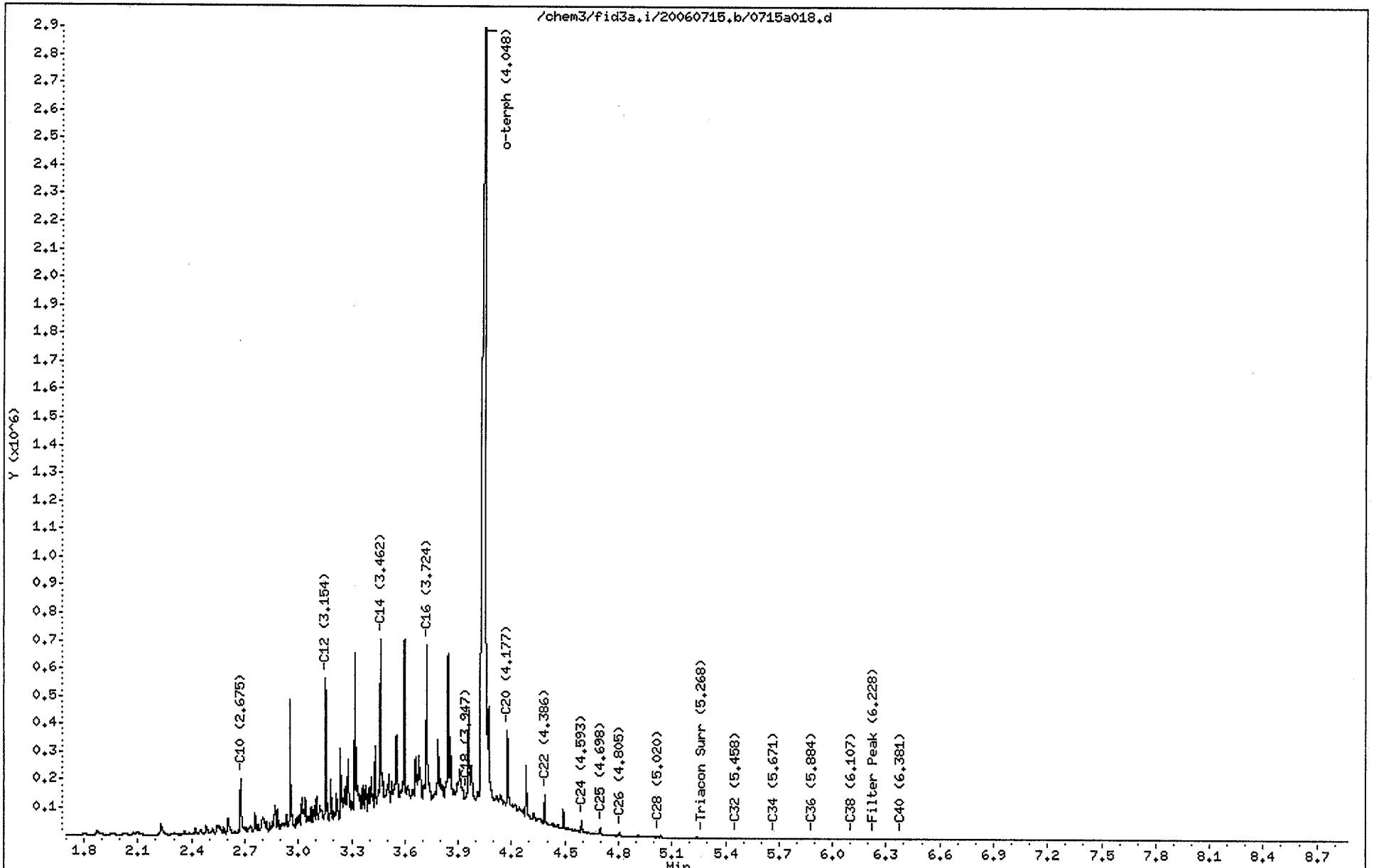
Data File: /chem3/fid3a.i/20060715.b/0715a018.d
Date : 15-JUL-2006 16:40
Client ID:
Sample Info: 1000 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0647



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a019.d ARI ID: 2500 PPM DIESEL
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 16:56
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.266	0.004	42051	41464	GAS (Tol-C12)	6870093	360
C8	1.458	0.007	40027	36479	DIESEL (C12-C24)	30951615	2501
C10	2.673	0.000	558406	233611	M.OIL (C24-C38)	662583	70
C12	3.157	0.003	1220877	614490	AK-102 (C10-C25)	36526040	2502
C14	3.468	0.008	1282555	1251860	AK-103 (C25-C36)	606692	96
C16	3.714	-0.006	447910	293913			
C18	3.969	0.016	722070	1016249			
C20	4.173	0.001	330504	188882			
C22	4.383	-0.003	147896	34905	STODDARD (C8-C12)	6742534	449
C24	4.597	0.001	148541	144673			
C25	4.701	-0.004	83330	70084			
C26	4.806	-0.004	43788	34936			
C28	5.022	-0.006	11115	8802			
C32	5.456	-0.010	2690	4826			
C34	5.671	-0.009	3261	4242			
Filter Peak	6.225	-0.004	1893	1124			
C36	5.886	-0.001	2545.0	2835	o-Terph Surrogate Rec = 1081.5% (8854023)		
C38	6.105	-0.002	2115.0	795	Triacon Surrogate Rec = 0.2% (1672)		
C40	6.388	0.003	1727	1428			
o-terph	4.069	0.039	3178695	8854023	JET-A (C10-C18)	27944529	2413
Triacon Surr	5.259	0.001	2558	1672			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

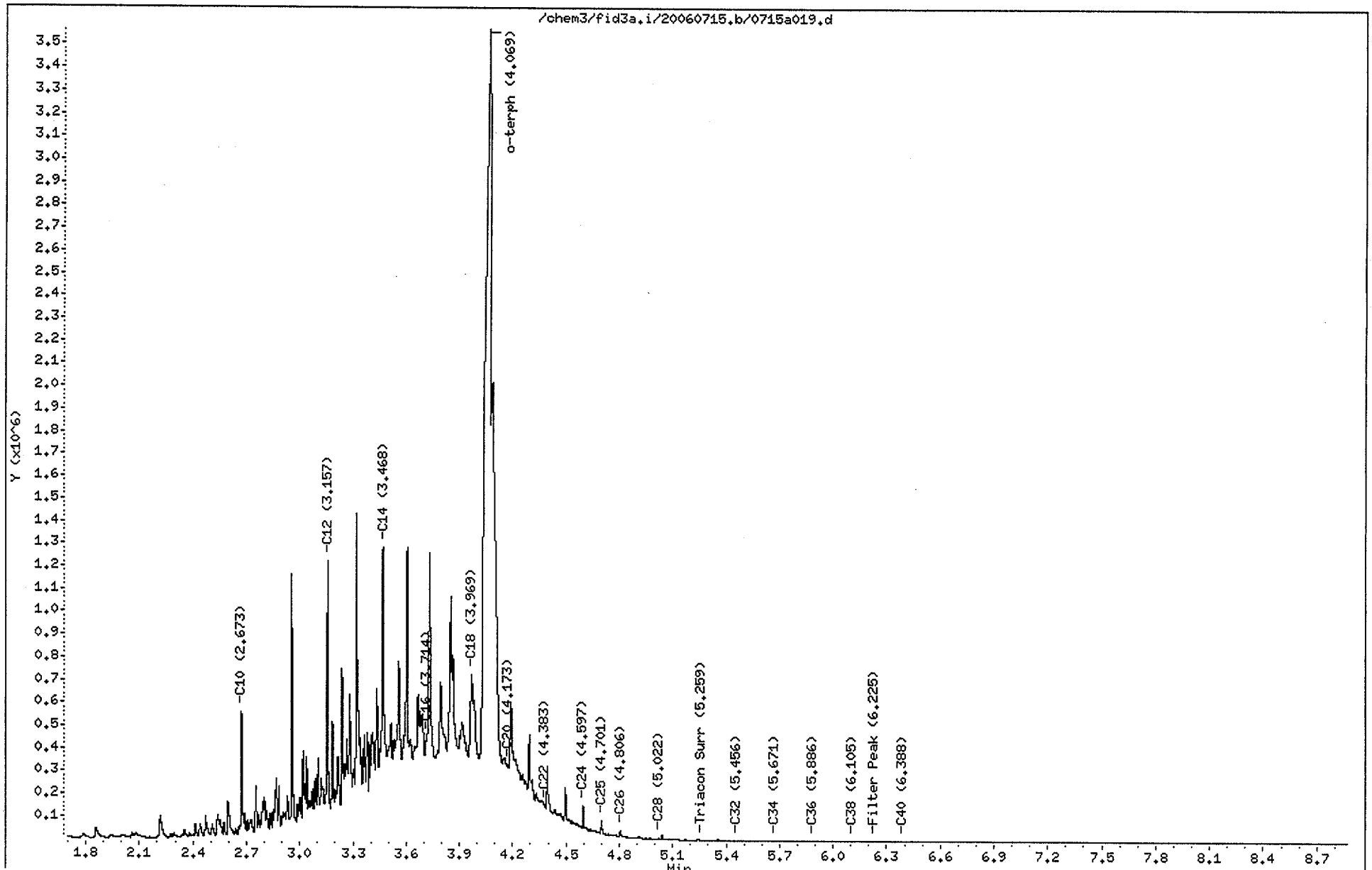
Data File: /chem3/fid3a.i/20060715.b/0715a019.d
Date : 15-JUL-2006 16:56
Client ID:
Sample Info: 2500 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0649



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a020.d ARI ID: DIESEL ICV
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 17:12
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.272	0.010	8656	13323	GAS (Tol-C12)	654067	34
C8	1.435	-0.015	1338	1737	DIESEL (C12-C24)	3028085	245
C10	2.671	-0.002	4239	2687	M.OIL (C24-C38)	85817	9
C12	3.154	0.001	136534	55993	AK-102 (C10-C25)	3549169	243
C14	3.460	0.000	179780	78551	AK-103 (C25-C36)	69510	11
C16	3.719	-0.001	201430	92484			
C18	3.953	0.001	145535	92936			
C20	4.171	-0.001	105380	50799			
C22	4.383	-0.003	37635	19336	STODDARD (C8-C12)	626952	42
C24	4.592	-0.004	14452	10701			
C25	4.698	-0.006	7802	6469			
C26	4.805	-0.005	4000	4812			
C28	5.023	-0.005	1011	835			
C32	5.460	-0.006	428	429			
C34	5.681	0.002	680	107			
Filter Peak	6.233	0.004	1405	307			
C36	5.891	0.004	1090.0	667	o-Terph Surrogate Rec = 100.3%		(821531)
C38	6.109	0.003	1334.0	372	Triacon Surrogate Rec = 0.0%		(175)
C40	6.386	0.002	1364	944			
o-terph	4.032	0.002	1666356	821531	JET-A (C10-C18)	2725915	235
Triacon Surr	5.267	0.009	314	175			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

Data File: /chem3/fid3a.i/20060715.b/0715a020.d

Date : 15-JUL-2006 17:12

Client ID:

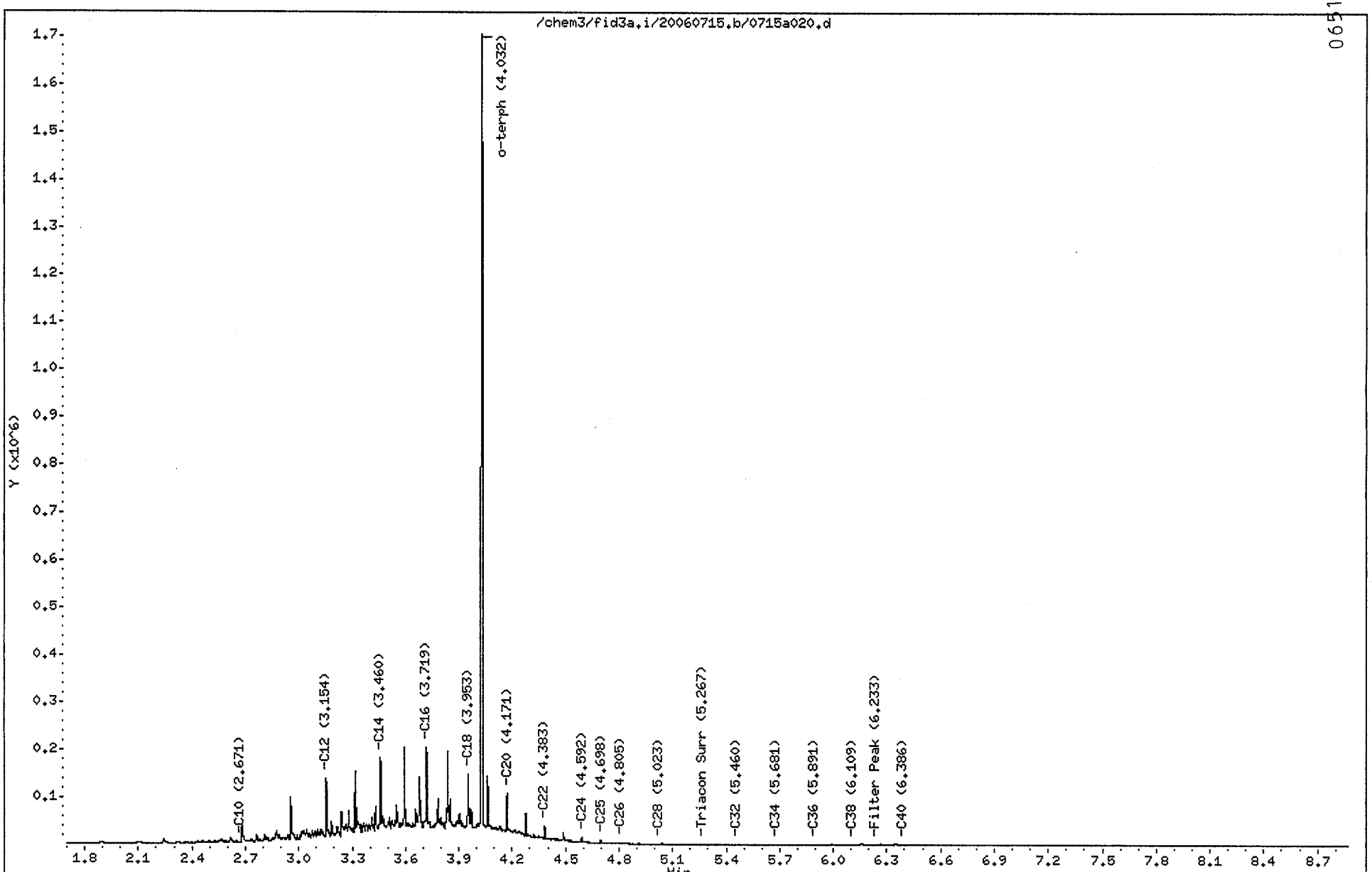
Sample Info: DIESEL ICV

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



6a

NW MOTOR OIL INITIAL CALIBRATION

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

Instrument: FID3A.I Project: T4 EARLY ACTION

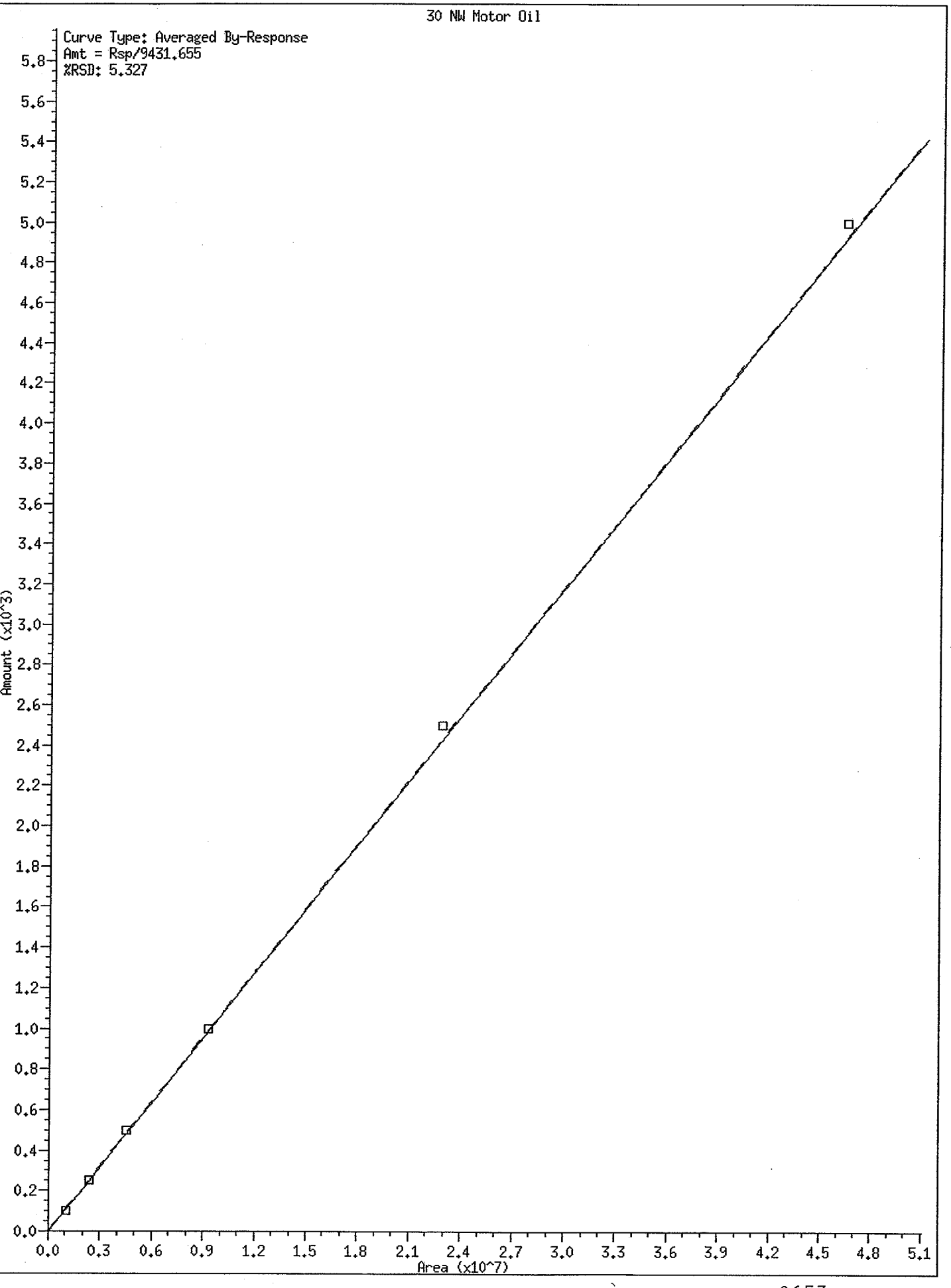
Calibration Date: 15-JUL-2006 SDG No.: JQ52

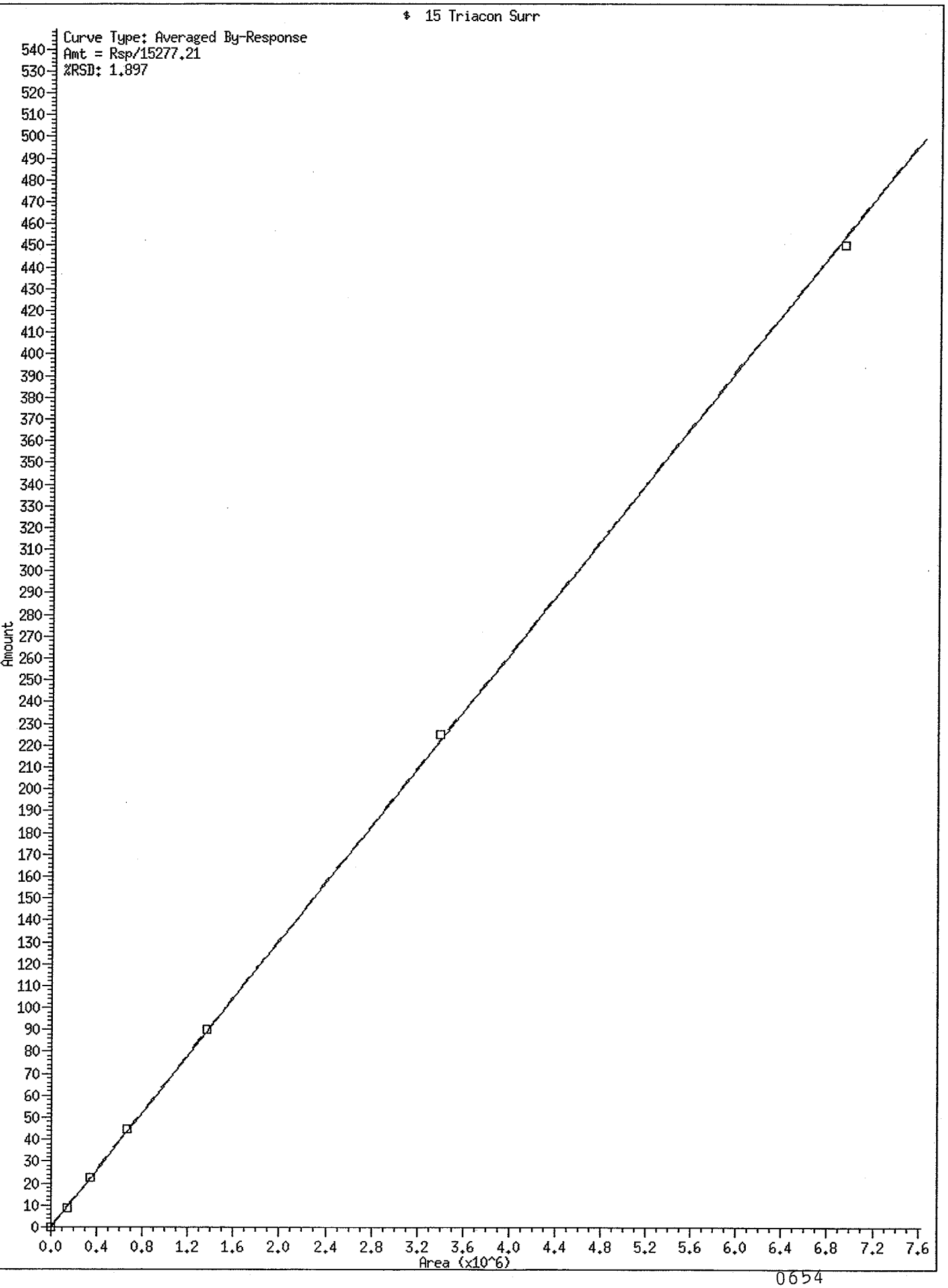
Motor Oil Range	RF1 100	RF2 250	RF3 500	RF4 1000	RF5 2500	RF6 5000	Ave RF	%RSD
WA M.Oil	10416	9440	9025	9278	9144	9288	9432	5.3
AK M.Oil	8382	7654	7369	7434	7314	7511	7611	5.2
OR M.Oil	9568	8404	8110	8408	8311	8185	8498	6.3
Triac Surr	15688	15428	14864	15176	15100	15407	15277	1.9

<- Indicates %RSD outside limits
Surrogate areas are not included in Motor Oil RF calculation.

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36
OR M.Oil C28-C40

Calibration Files	Analysis Time
0715a029.d	15-JUL-2006 19:35
0715a030.d	15-JUL-2006 19:50
0715a031.d	15-JUL-2006 20:06
0715a032.d	15-JUL-2006 20:22
0715a033.d	15-JUL-2006 20:38
0715a034.d	15-JUL-2006 20:54


30 NW Motor Oil
Curve Type: Averaged By-Response
Amt = Rsp/9431.655
%RSD: 5.327
Amount (x10^3)
Area (x10^7)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4
3.6
3.8
4.0
4.2
4.4
4.6
4.8
5.0
5.2
5.4
5.6
5.8
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5
4.8
5.1


$ 15 Triacon Surr
Curve Type: Averaged By-Response
Amt = Rsp/15277.21
%RSD: 1.897
Amount
Area (x10^6)
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540
0.0 0.4 0.8 1.2 1.6 2.0 2.4 2.8 3.2 3.6 4.0 4.4 4.8 5.2 5.6 6.0 6.4 6.8 7.2 7.6

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a029.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 100 PPM MOIL
Client ID:
Injection: 15-JUL-2006 19:35
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	15030	1
C8	1.465	0.015	642	190	DIESEL (C12-C24)	155128	13
C10	2.665	-0.008	88	58	M.OIL (C24-C38)	1041620	110
C12	3.156	0.002	156	90	AK-102 (C10-C25)	163380	11
C14	3.462	0.002	171	36	AK-103 (C25-C36)	880201	139
C16	3.680	-0.040	71254	37425			
C18	3.959	0.007	332	188			
C20	4.175	0.003	1000	669			
C22	4.386	0.000	3158	2033	STODDARD (C8-C12)	15030	1
C24	4.600	0.004	6308	3097			
C25	4.707	0.003	7946	8560			
C26	4.803	-0.007	8364	3641			
C28	5.028	0.000	10070	2571			
C32	5.469	0.003	12930	3296			
C34	5.679	0.000	14936	5003			
Filter Peak	6.233	0.004	9236	2378			
C36	5.888	0.002	14768.0	10969	o-Terph Surrogate Rec = 0.2%		(1368)
C38	6.104	-0.002	11326.0	7574	Triacon Surrogate Rec = 20.5%		(141188)
C40	6.387	0.003	7586	2537			
o-terph	4.030	0.000	1683	1368	JET-A (C10-C18)	52604	5
Triacon Surr	5.246	-0.012	266719	141188			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

Data File: /chem3/fid3a.i/20060715.b/0715a029.d

Date : 15-JUL-2006 19:35

Client ID:

Sample Info: 100 PPM MOIL

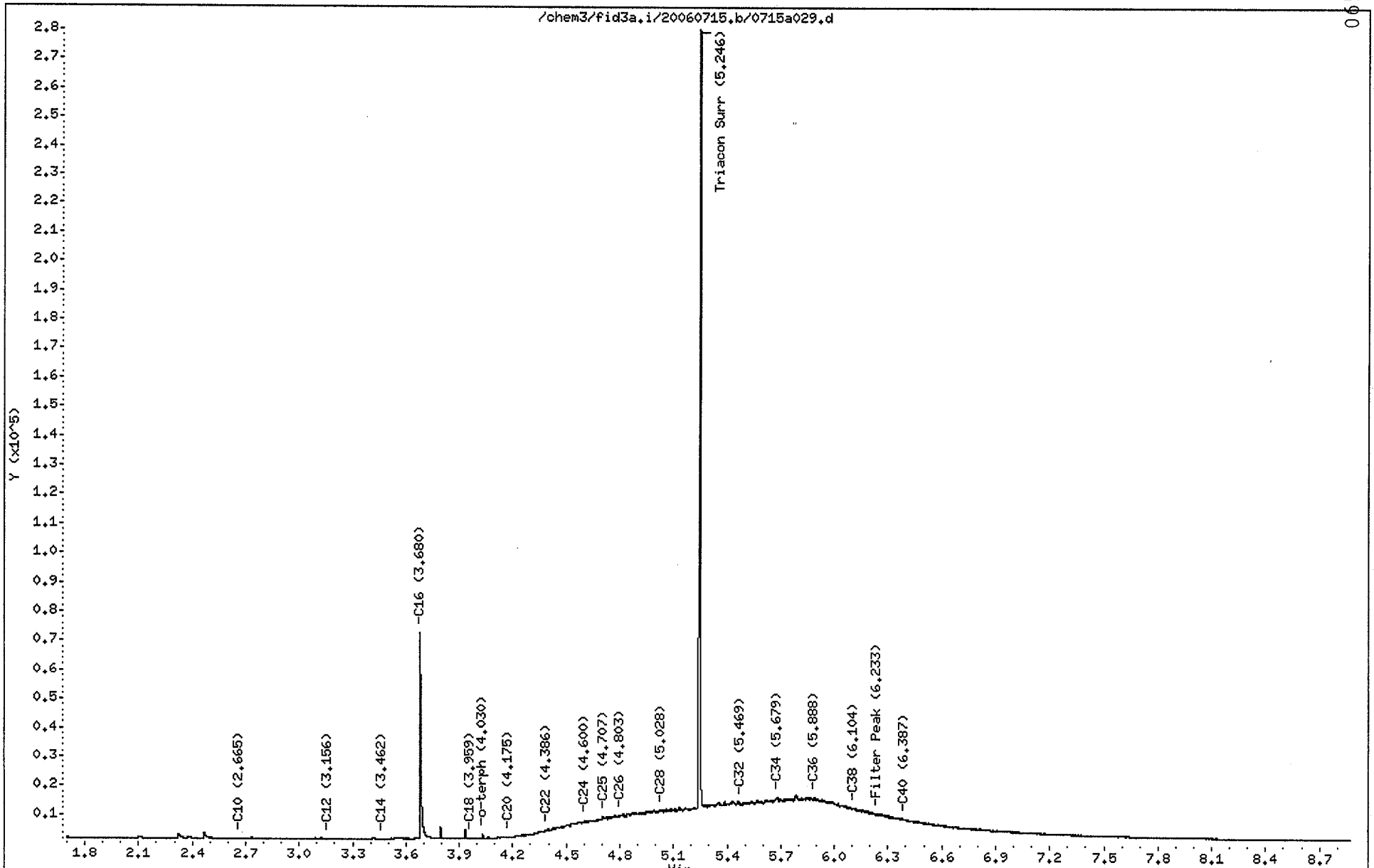
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0656



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a030.d ARI ID: 250 PPM MOIL
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 19:50
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	17493	1
C8	1.457	0.007	678	468	DIESEL (C12-C24)	305031	25
C10	2.673	0.000	84	68	M.OIL (C24-C38)	2359962	250
C12	3.150	-0.003	159	108	AK-102 (C10-C25)	317327	22
C14	3.459	-0.001	186	65	AK-103 (C25-C36)	2014238	317
C16	3.678	-0.042	74718	37907			
C18	3.954	0.001	540	289			
C20	4.169	-0.002	2216	1779			
C22	4.383	-0.003	7223	2975	STODDARD (C8-C12)	17493	1
C24	4.597	0.000	14951	6631			
C25	4.708	0.004	18897	20506			
C26	4.816	0.006	21546	24557			
C28	5.028	0.000	23732	4247			
C32	5.471	0.005	30286	22609			
C34	5.677	-0.003	34225	16646			
Filter Peak	6.228	-0.001	19528	3481			
C36	5.883	-0.003	32631.0	22343	o-Terph Surrogate Rec = 0.3%		(2412)
C38	6.107	0.000	23147.0	8634	Triacon Surrogate Rec = 50.5%		(347132)
C40	6.378	-0.006	15291	8202			
o-terph	4.025	-0.004	3059	2412	JET-A (C10-C18)	59082	5
Triacon Surr	5.252	-0.006	566850	347132			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

Data File: /chem3/fid3a.i/20060715.b/0715a030.d

Date : 15-JUL-2006 19:50

Client ID:

Sample Info: 250 PPM MOIL

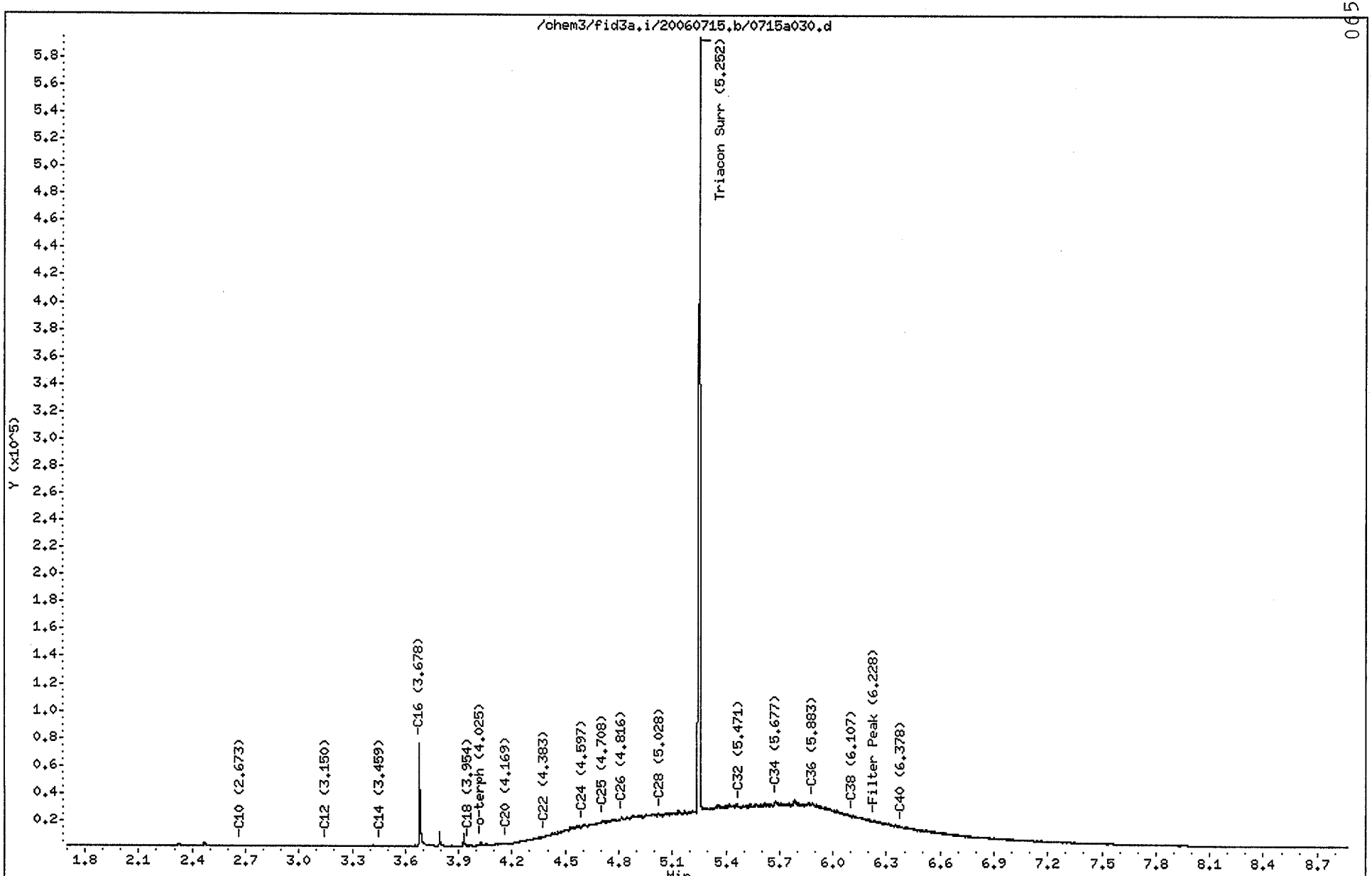
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0658



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a031.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 500 PPM MOIL
Client ID:
Injection: 15-JUL-2006 20:06
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	17382	1
C8	1.462	0.012	740	247	DIESEL (C12-C24)	556699	45
C10	2.673	0.000	81	41	M.OIL (C24-C38)	4512422	478
C12	3.153	0.000	206	169	AK-102 (C10-C25)	561118	38
C14	3.468	0.008	252	129	AK-103 (C25-C36)	3884153	612
C16	3.679	-0.041	68856	34265			
C18	3.954	0.002	934	538			
C20	4.170	-0.001	4270	3775			
C22	4.387	0.001	13922	10069	STODDARD (C8-C12)	17382	1
C24	4.597	0.001	29387	12532			
C25	4.706	0.002	35913	31584			
C26	4.807	-0.003	39052	18331			
C28	5.028	0.001	45196	11668			
C32	5.468	0.002	62060	55075			
C34	5.680	0.000	63644	16269			
Filter Peak	6.233	0.004	36201	7100			
C36	5.886	0.000	60314.0	13131	o-Terph Surrogate Rec = 0.4%		(3483)
C38	6.112	0.005	43693.0	9546	Triacon Surrogate Rec = 97.3%		(668897)
C40	6.386	0.002	28346	13388			
o-terph	4.026	-0.004	4552	3483	JET-A (C10-C18)	67307	6
Triacon Surr	5.260	0.002	829577	668897			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

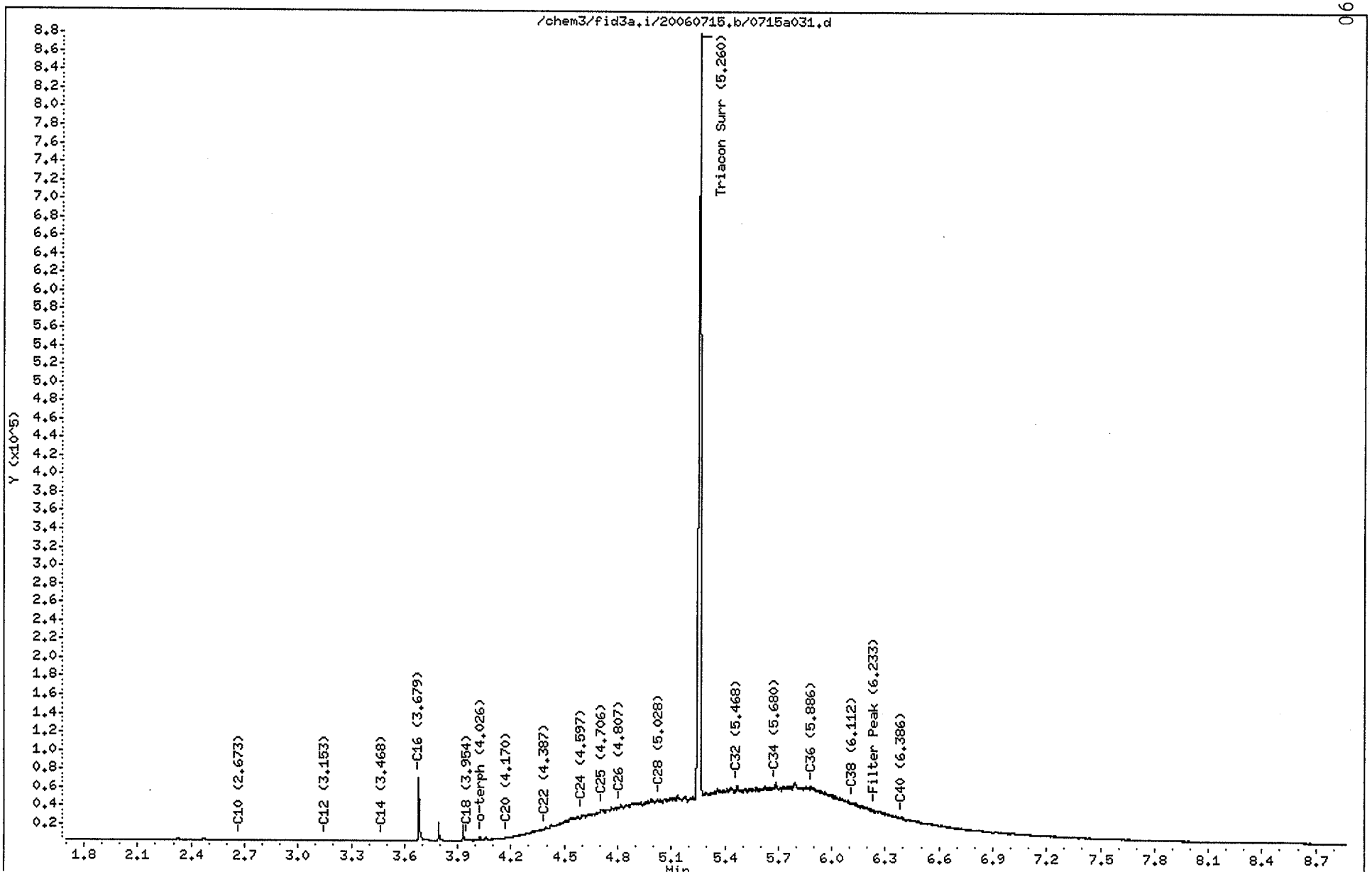
Data File: /chem3/fid3a.i/20060715.b/0715a031.d
Date : 15-JUL-2006 20:06
Client ID:
Sample Info: 500 PPM MOIL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0660



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a032.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 1000 PPM MOIL
Client ID:
Injection: 15-JUL-2006 20:22
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	16254	1
C8	1.473	0.023	624	520	DIESEL (C12-C24)	1091082	88
C10	2.669	-0.004	95	35	M.OIL (C24-C38)	9277757	984
C12	3.150	-0.004	248	226	AK-102 (C10-C25)	1096300	75
C14	3.463	0.003	326	76	AK-103 (C25-C36)	7858512	1238
C16	3.723	0.003	1359	2156			
C18	3.951	-0.001	1912	1133			
C20	4.168	-0.004	8729	7540			
C22	4.383	-0.003	28031	9643	STODDARD (C8-C12)	16254	1
C24	4.594	-0.003	58113	50674			
C25	4.703	-0.001	69936	28481			
C26	4.806	-0.004	76725	56531			
C28	5.025	-0.003	93217	43489			
C32	5.466	0.000	117573	25540			
C34	5.680	0.000	126676	22518			
Filter Peak	6.231	0.002	83296	64731			
C36	5.890	0.003	135144.0	93875	o-Terph Surrogate Rec = 0.7%		(5776)
C38	6.108	0.001	98823.0	32988	Triacon Surrogate Rec = 198.7%		(1365847)
C40	6.386	0.002	63540	40727			
o-terph	4.023	-0.006	7371	5776	JET-A (C10-C18)	95835	8
Triacon Surr	5.270	0.013	1166425	1365847			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

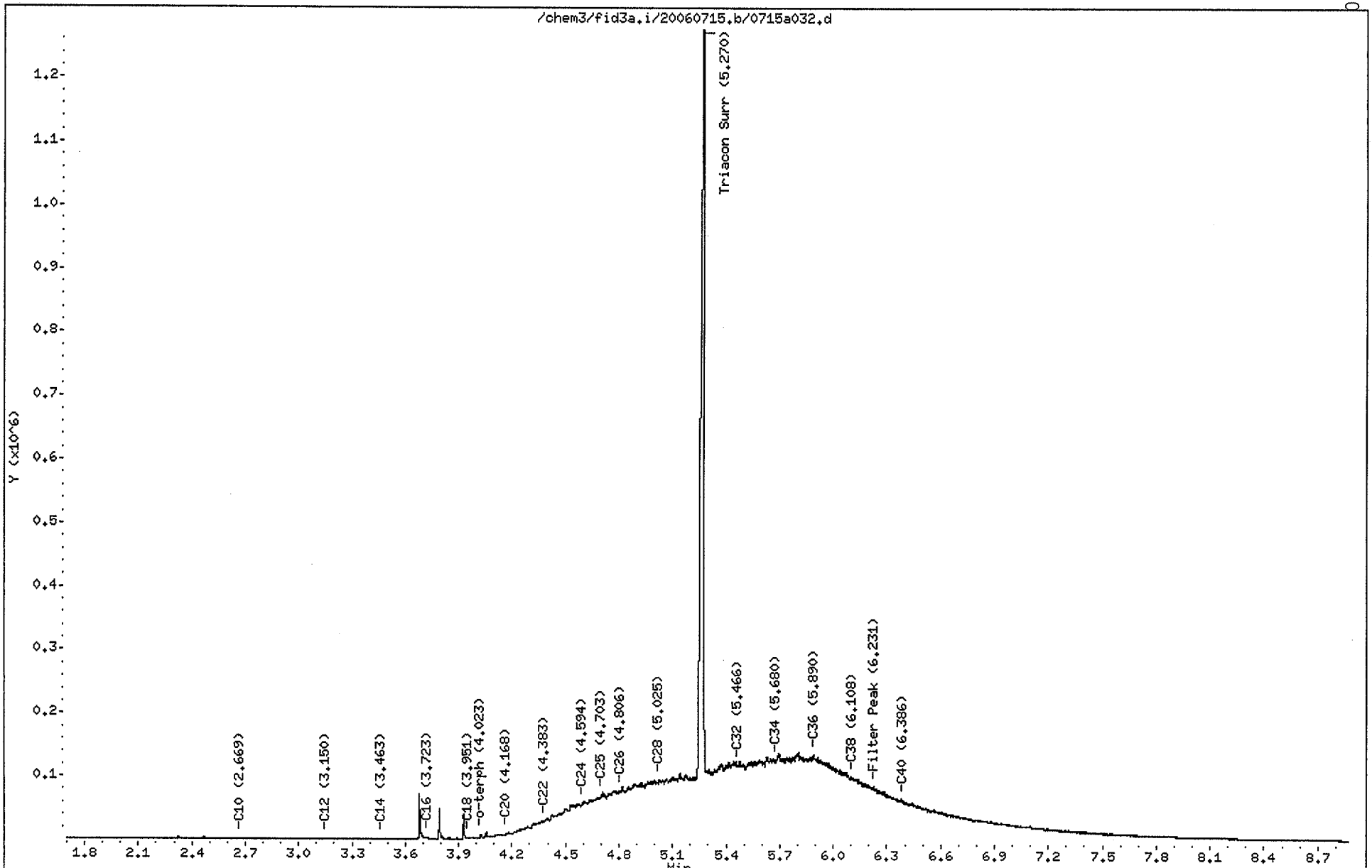
Data File: /chem3/fid3a.i/20060715.b/0715a032.d
Date : 15-JUL-2006 20:22
Client ID:
Sample Info: 1000 PPM MOIL

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0662



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a033.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 2500 PPM MOIL
Client ID:
Injection: 15-JUL-2006 20:38
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	22013	1
C8	1.475	0.025	789	1558	DIESEL (C12-C24)	2611095	211
C10	2.672	-0.001	118	13	M.OIL (C24-C38)	22859118	2424
C12	3.152	-0.001	481	158	AK-102 (C10-C25)	2690414	184
C14	3.459	-0.001	674	277	AK-103 (C25-C36)	19322897	3043
C16	3.720	0.000	4497	4622			
C18	3.950	-0.003	5174	2742			
C20	4.169	-0.003	21671	15825			
C22	4.387	0.001	69772	32388	STODDARD (C8-C12)	22013	1
C24	4.600	0.004	144685	144328			
C25	4.705	0.001	160759	25533			
C26	4.810	0.000	189555	52382			
C28	5.029	0.001	218247	43319			
C32	5.467	0.001	299864	87144			
C34	5.678	-0.001	312482	155734			
Filter Peak	6.227	-0.002	199315	78594			
C36	5.885	-0.001	321951.0	95436	o-Terph Surrogate Rec = 2.0%		(16436)
C38	6.113	0.007	236612.0	32921	Triacon Surrogate Rec = 494.2%		(3397477)
C40	6.380	-0.004	145279	79839			
o-terph	4.022	-0.008	23847	16436	JET-A (C10-C18)	183246	16
Triacon Surr	5.299	0.042	1532987	3397477			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

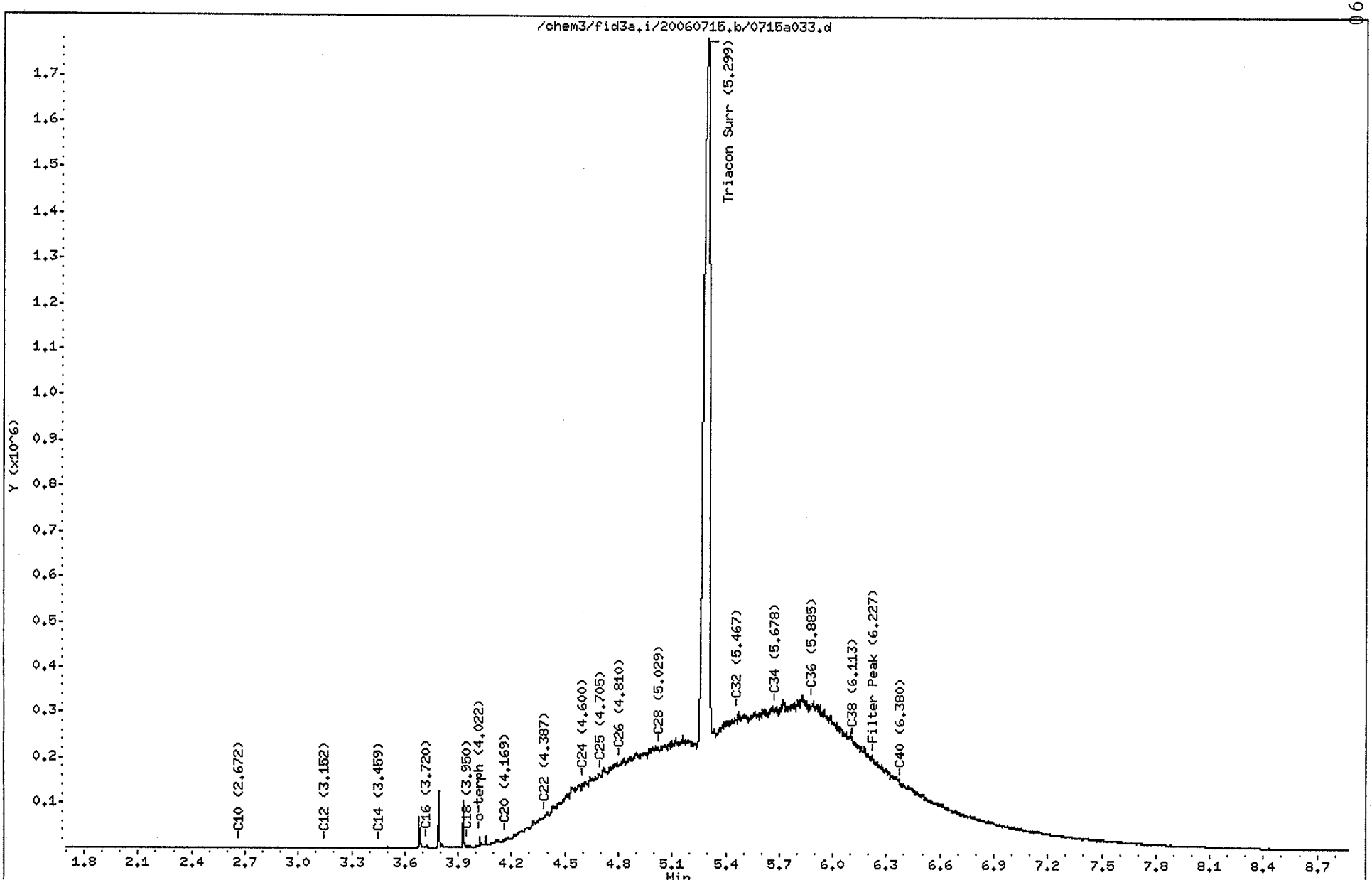
Data File: /chem3/fid3a.i/20060715.b/0715a033.d
Date : 15-JUL-2006 20:38
Client ID:
Sample Info: 2500 PPM MOIL

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0664



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a034.d
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006
ARI ID: 5000 PPM MOIL
Client ID:
Injection: 15-JUL-2006 20:54
Dilution Factor: 1

Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.290	0.028	56895	42445	GAS (Tol-C12)	194544	10
C8	1.463	0.013	762	196	DIESEL (C12-C24)	5033541	407
C10	2.680	0.007	179	90	M.OIL (C24-C38)	46438173	4924
C12	3.156	0.003	825	608	AK-102 (C10-C25)	5232264	358
C14	3.465	0.005	2680	1817	AK-103 (C25-C36)	39599815	6237
C16	3.721	0.001	3850	4215			
C18	3.950	-0.002	10318	5218			
C20	4.171	0.000	43516	33278			
C22	4.389	0.003	142741	63184	STODDARD (C8-C12)	25036	2
C24	4.601	0.004	281552	88396			
C25	4.702	-0.002	335110	297445			
C26	4.807	-0.003	380731	119826			
C28	5.031	0.003	474501	239562			
C32	5.464	-0.002	575313	91386			
C34	5.678	-0.001	643293	153511			
Filter Peak	6.232	0.003	361231	127826			
C36	5.886	0.000	653679.0	155139	o-Terph Surrogate Rec = 0.5% (4288)		
C38	6.103	-0.004	475930.0	288646	Triacon Surrogate Rec = 1008.5% (6933264)		
C40	6.385	0.001	254588	233268			
o-terph	4.036	0.007	15561	4288	JET-A (C10-C18)	316431	27
Triacon Surr	5.339	0.082	2170701	6933264			

JR 07/18/06

Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

Data File: /chem3/fid3a.i/20060715.b/0715a034.d

Date : 15-JUL-2006 20:54

Client ID:

Sample Info: 5000 PPM MOIL

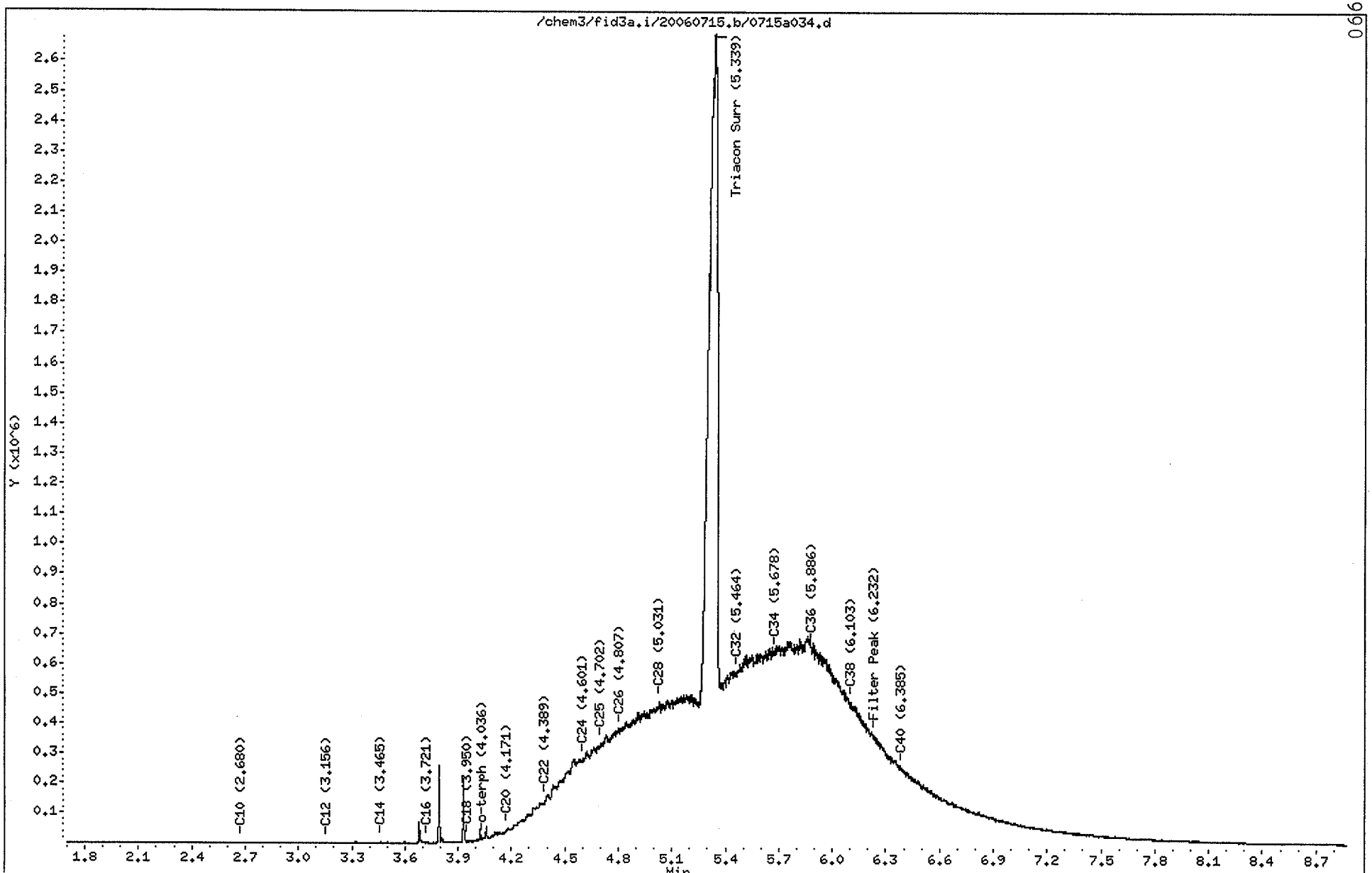
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0666



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a035.d ARI ID: MOIL ICV
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 15-JUL-2006 21:09
Operator: JR
Report Date: 07/18/2006 Dilution Factor: 1
Macro: 15-MAR-2006
Calibration Dates: Gas:07-JUN-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	15110	1
C8	1.449	-0.001	709	762	DIESEL (C12-C24)	530817	43
C10	2.678	0.005	77	20	M.OIL (C24-C38)	4525768	480
C12	3.155	0.001	236	201	AK-102 (C10-C25)	552589	38
C14	3.466	0.006	296	113	AK-103 (C25-C36)	3840248	605
C16	3.680	-0.040	67258	32786			
C18	3.954	0.001	1042	573			
C20	4.170	-0.002	4168	2797			
C22	4.386	0.000	13923	10194	STODDARD (C8-C12)	15110	1
C24	4.595	-0.001	27723	7682			
C25	4.703	-0.001	32630	12008			
C26	4.807	-0.003	35449	7022			
C28	5.026	-0.002	44380	24612			
C32	5.465	-0.001	58827	42732			
C34	5.680	0.001	66535	21962			
Filter Peak	6.224	-0.005	41353	27310			
C36	5.889	0.003	65543.0	35755	o-Terph Surrogate Rec = 0.5%		(3882)
C38	6.104	-0.002	48408.0	31481	Triacon Surrogate Rec = 91.8%		(631136)
C40	6.382	-0.002	32014	16451			
o-terph	4.025	-0.004	5864	3882	JET-A (C10-C18)	68242	6
Triacon Surr	5.257	0.000	810352	631136			

JC 07/18/06

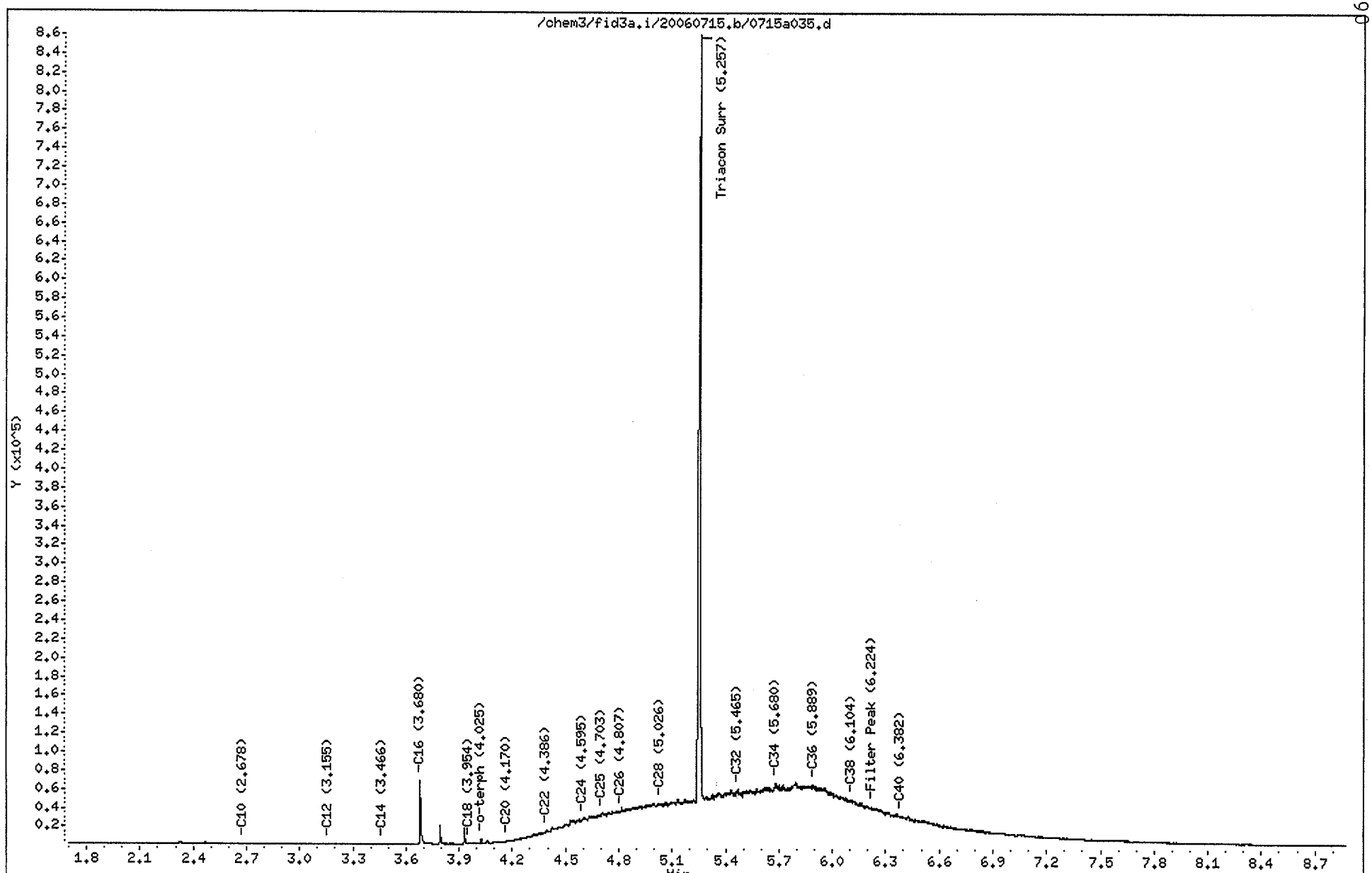
Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

Data File: /chem3/fid3a.i/20060715.b/0715a035.d
Date : 15-JUL-2006 21:09
Client ID:
Sample Info: MOIL ICV

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a010.d ARI ID: RT
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 31-JUL-2006 16:47
Operator: JR
Report Date: 08/09/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.250	0.000	546113	335139	GAS (Tol-C12)	1034830	52
C8	1.436	0.000	287683	214064	DIESEL (C12-C24)	1396583	113
C10	2.656	0.000	487867	210580	M.OIL (C24-C38)	1665248	177
C12	3.135	0.000	549829	216274	AK-102 (C10-C25)	1839924	127
C14	3.440	0.000	563640	222191	AK-103 (C25-C36)	1457266	230
C16	3.700	0.000	610162	226701			
C18	3.938	0.000	548143	228447			
C20	4.165	0.000	597757	230083			
C22	4.385	0.000	562945	229379	STODDARD (C8-C12)	677376	45
C24	4.601	0.000	519955	231126			
C25	4.708	0.000	593065	304627			
C26	4.811	0.000	488988	230428			
C28	5.015	0.000	452654	227886			
C32	5.430	0.000	395525	223551			
C34	5.635	0.000	376969	213949			
Filter Peak	6.208	0.000	1000	139			
C36	5.834	0.000	371793.0	216089	o-Terph Surrogate Rec = 88.5%		(724717)
C38	6.036	0.000	295194.0	189169	Triacon Surrogate Rec = 99.6%		(684746)
C40	6.285	0.000	200361	175844			
o-terph	4.017	0.000	1404526	724717	JET-A (C10-C18)	1134315	98
Triacon Surr	5.231	0.000	928902	684746			

JR 08/09/06

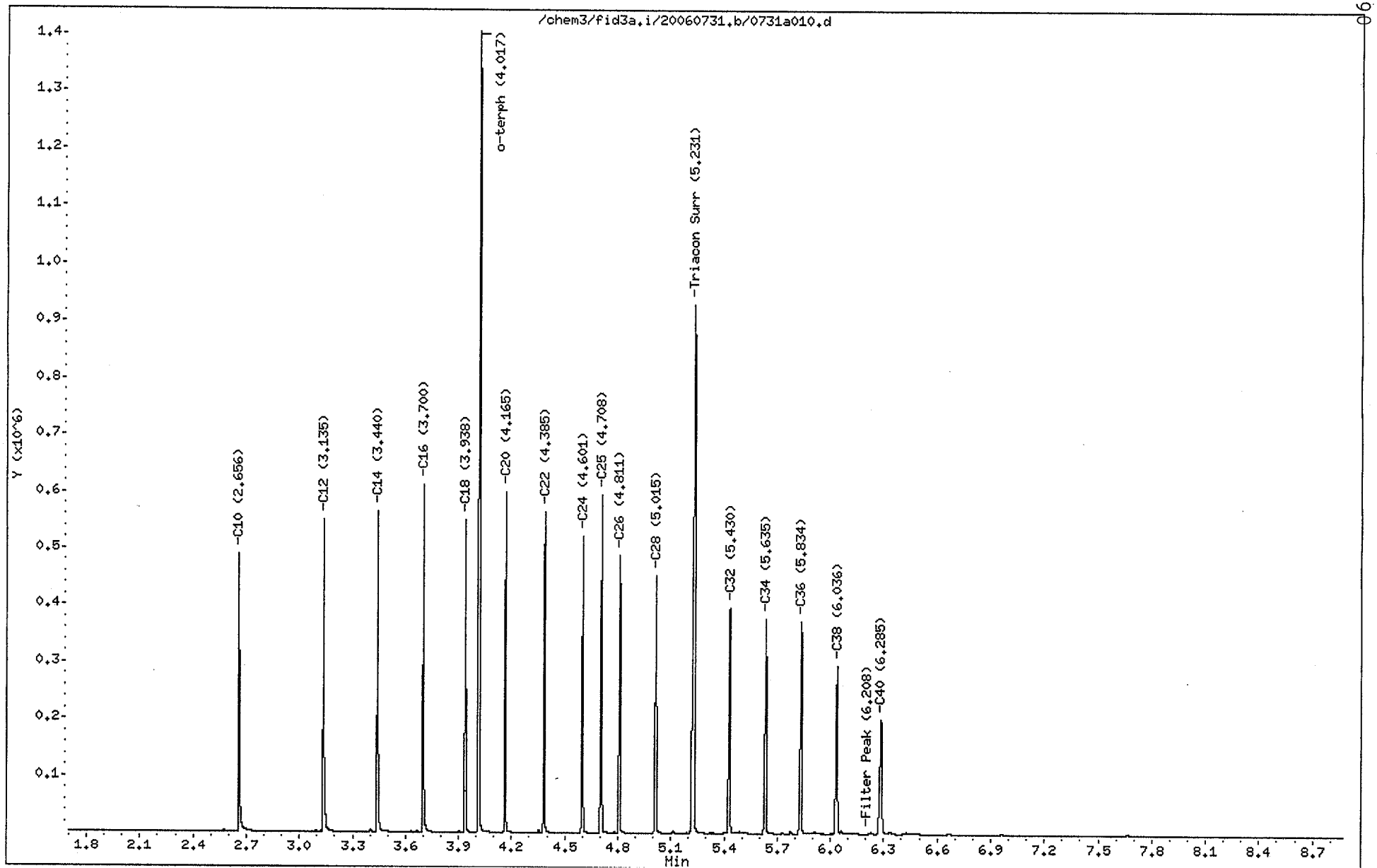
Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a010.d
Date : 31-JUL-2006 16:47
Client ID:
Sample Info: RT

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a011.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006
ARI ID: IB
Client ID:
Injection: 31-JUL-2006 17:03
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	18284	1
C8	1.449	0.013	1203	520	DIESEL (C12-C24)	17652	1
C10	2.658	0.002	74	54	M.OIL (C24-C38)	36288	4
C12	3.127	-0.008	780	441	AK-102 (C10-C25)	20006	1
C14	3.442	0.002	92	51	AK-103 (C25-C36)	26522	4
C16	3.697	-0.002	147	113			
C18	3.939	0.001	305	356			
C20	4.165	0.000	619	249			
C22	4.390	0.005	627	374	STODDARD (C8-C12)	18284	1
C24	4.605	0.004	625	683			
C25	4.706	-0.002	704	400			
C26	4.807	-0.003	598	455			
C28	5.009	-0.006	1012	517			
C32	5.424	-0.006	1474	2515			
C34	5.634	-0.001	2438	1780			
Filter Peak	6.200	-0.008	570	305			
C36	5.841	0.007	759.0	1483	o-Terph Surrogate Rec = 88.8%		(726885)
C38	6.044	0.009	741.0	804	Triacon Surrogate Rec = 98.2%		(674855)
C40	6.281	-0.003	591	116			
o-terph	4.016	-0.001	1470163	726885	JET-A (C10-C18)	7920	1
Triacon Surr	5.229	-0.002	890564	674855			

JR 08/09/06

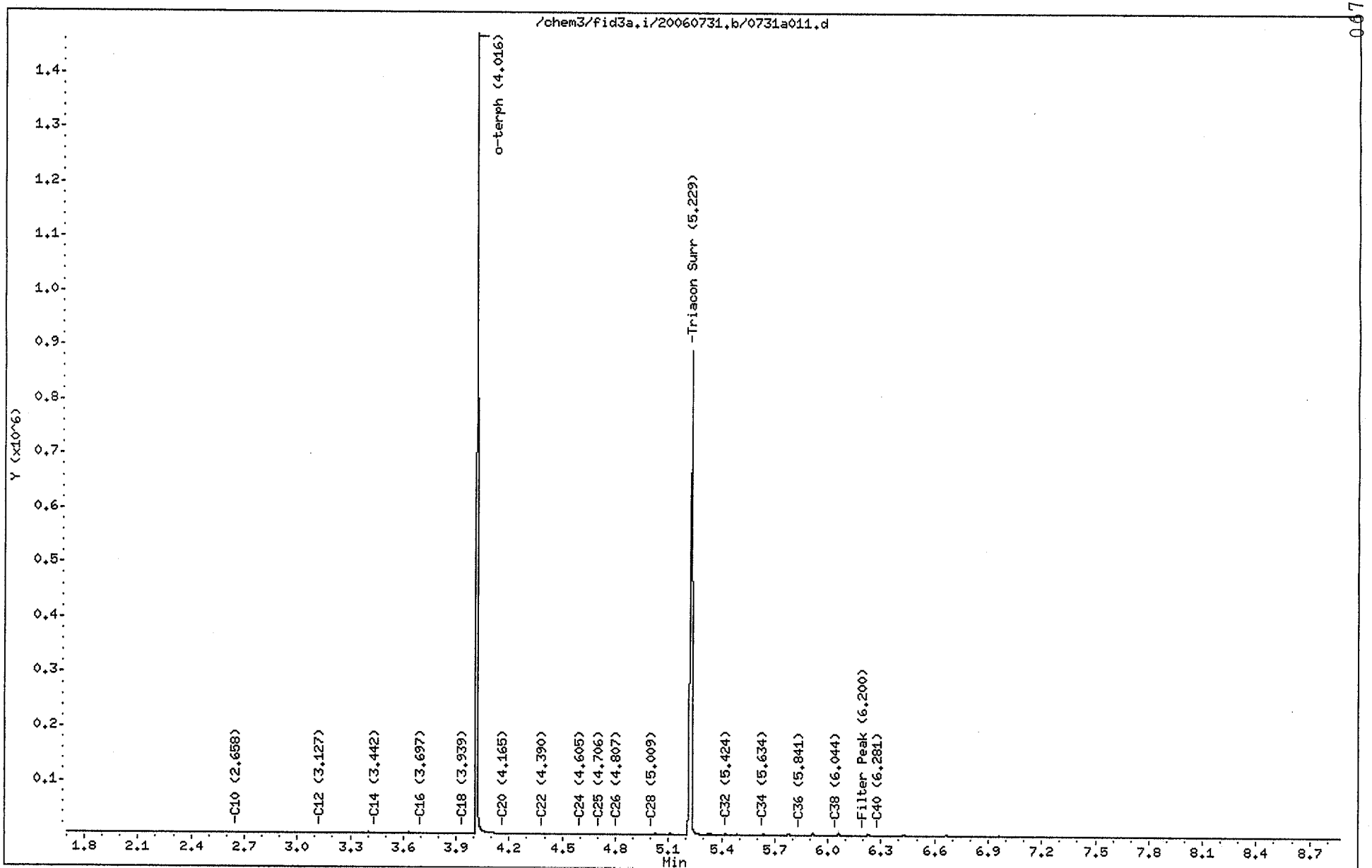
Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a011.d
Date : 31-JUL-2006 17:03
Client ID:
Sample Info: IB

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25



0472

7a

DIESEL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 00:17 Lab ID: DIESEL#3

Instrument: FID3A.I Lab File Name: 0731a039.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3197212	258.4	250	3.3
AK102 (C10-C25)	3757636	258.9	250	3.6
Terphenyl	847892	46.6	45	3.6

* Surrogate areas are subtracted from range areas

<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a039.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006
ARI ID: DIESEL#3
Client ID:
Injection: 01-AUG-2006 00:17
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.271	0.021	12239	17552	GAS (Tol-C12)	773253	39
C8	1.431	-0.004	2888	4176	DIESEL (C12-C24)	3197212	258
C10	2.656	0.000	4848	2284	M.OIL (C24-C38)	76235	8
C12	3.140	0.005	134313	58345	AK-102 (C10-C25)	3757636	259
C14	3.444	0.004	180802	80881	AK-103 (C25-C36)	70050	11
C16	3.698	-0.002	209245	97782			
C18	3.943	0.004	73266	58861			
C20	4.162	-0.002	28443	7899			
C22	4.379	-0.006	12133	5344	STODDARD (C8-C12)	734200	49
C24	4.598	-0.003	5567	2844			
C25	4.687	-0.020	4806	7644			
C26	4.816	0.005	2067	812			
C28	5.002	-0.013	2874	3609			
C32	5.436	0.006	393	84			
C34	5.644	0.009	438	225			
Filter Peak	6.207	-0.001	615	398			
C36	5.834	0.000	497.0	174	o-Terph Surrogate Rec = 103.6%		(847892)
C38	6.037	0.001	567.0	354	Triacon Surrogate Rec = 0.0%		(161)
C40	6.287	0.002	542	128			
o-terph	4.003	-0.013	1613595	847892	JET-A (C10-C18)	2916367	252
Triacon Surr	5.240	0.009	511	161			

JK 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a039.d

Date : 01-AUG-2006 00:17

Client ID:

Sample Info: DIESEL#3

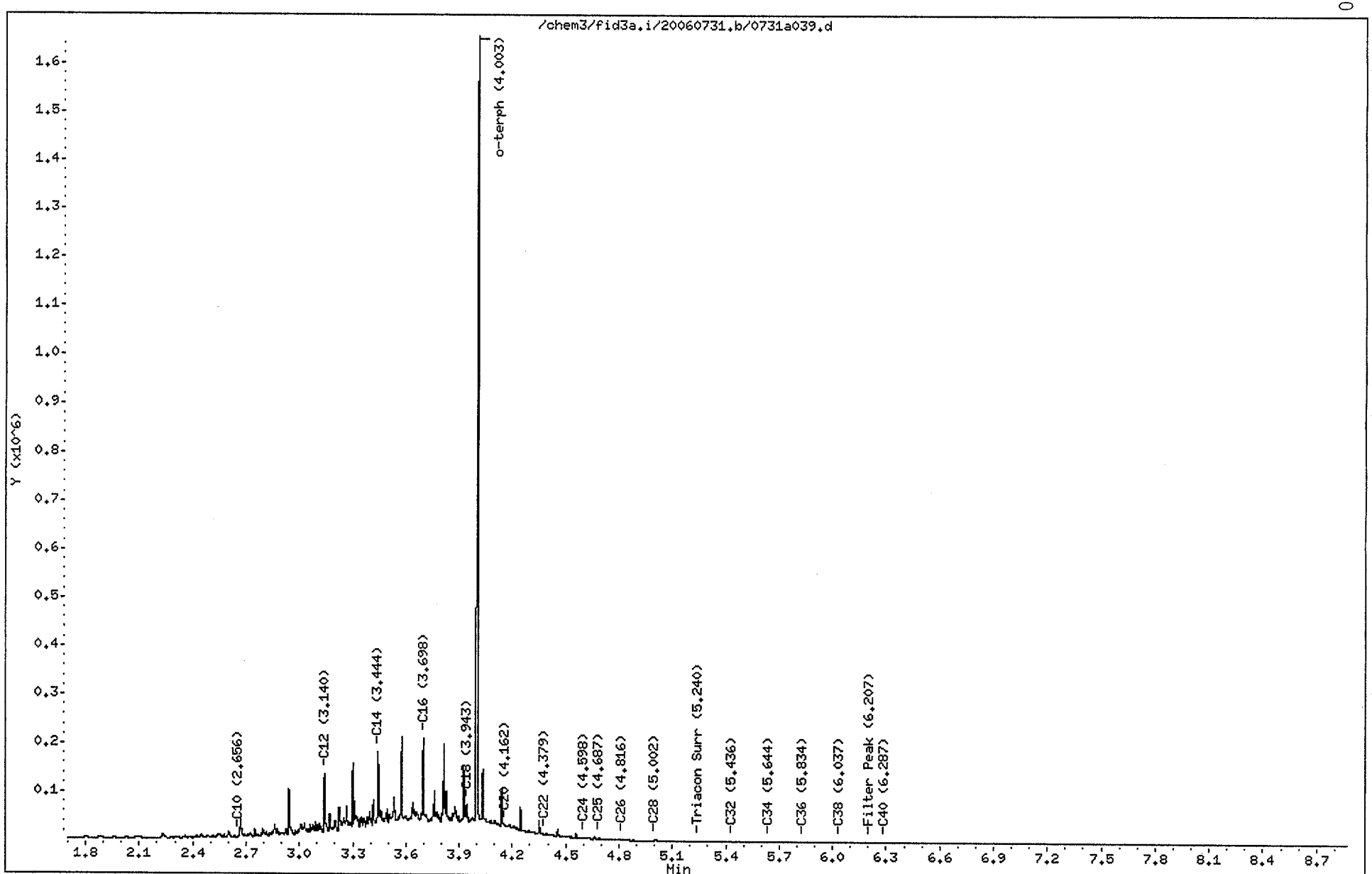
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0675



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 00:32 Lab ID: MOIL#3

Instrument: FID3A.I Lab File Name: 0731a040.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4464146	473.3	500	-5.3
AK103 (C25-C36)	3795947	597.9	500	19.6
n-Triacontane	656810	43.0	45	-4.5

* Surrogate areas are subtracted from range areas

<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a040.d ARI ID: MOIL#3
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 00:32
Operator: JR
Report Date: 08/09/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	56076	3
C8	1.413	-0.022	2203	3769	DIESEL (C12-C24)	638795	52
C10	2.652	-0.004	404	280	M.OIL (C24-C38)	4464146	473
C12	3.134	-0.001	778	872	AK-102 (C10-C25)	665197	46
C14	3.439	-0.001	762	688	AK-103 (C25-C36)	3795947	598
C16	3.701	0.001	898	319			
C18	3.942	0.004	1994	2652			
C20	4.167	0.002	5195	2938			
C22	4.378	-0.007	15394	4859	STODDARD (C8-C12)	56076	4
C24	4.602	0.002	31620	14170			
C25	4.707	-0.001	36277	7848			
C26	4.810	-0.001	41236	20104			
C28	5.013	-0.002	45885	19900			
C32	5.431	0.001	60256	28949			
C34	5.633	-0.002	65743	35765			
Filter Peak	6.206	-0.002	39647	17990			
C36	5.832	-0.002	65347.0	25327	o-Terph Surrogate Rec = 0.6%		(4784)
C38	6.035	-0.001	53441.0	32206	Triacon Surrogate Rec = 95.5%		(656810)
C40	6.282	-0.003	35820	22151			
o-terph	4.033	0.016	5315	4784	JET-A (C10-C18)	69344	6
Triacon Surr	5.212	-0.019	723874	656810			

JR 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a040.d
Date : 01-AUG-2006 00:32
Client ID:
Sample Info: MOIL#3

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

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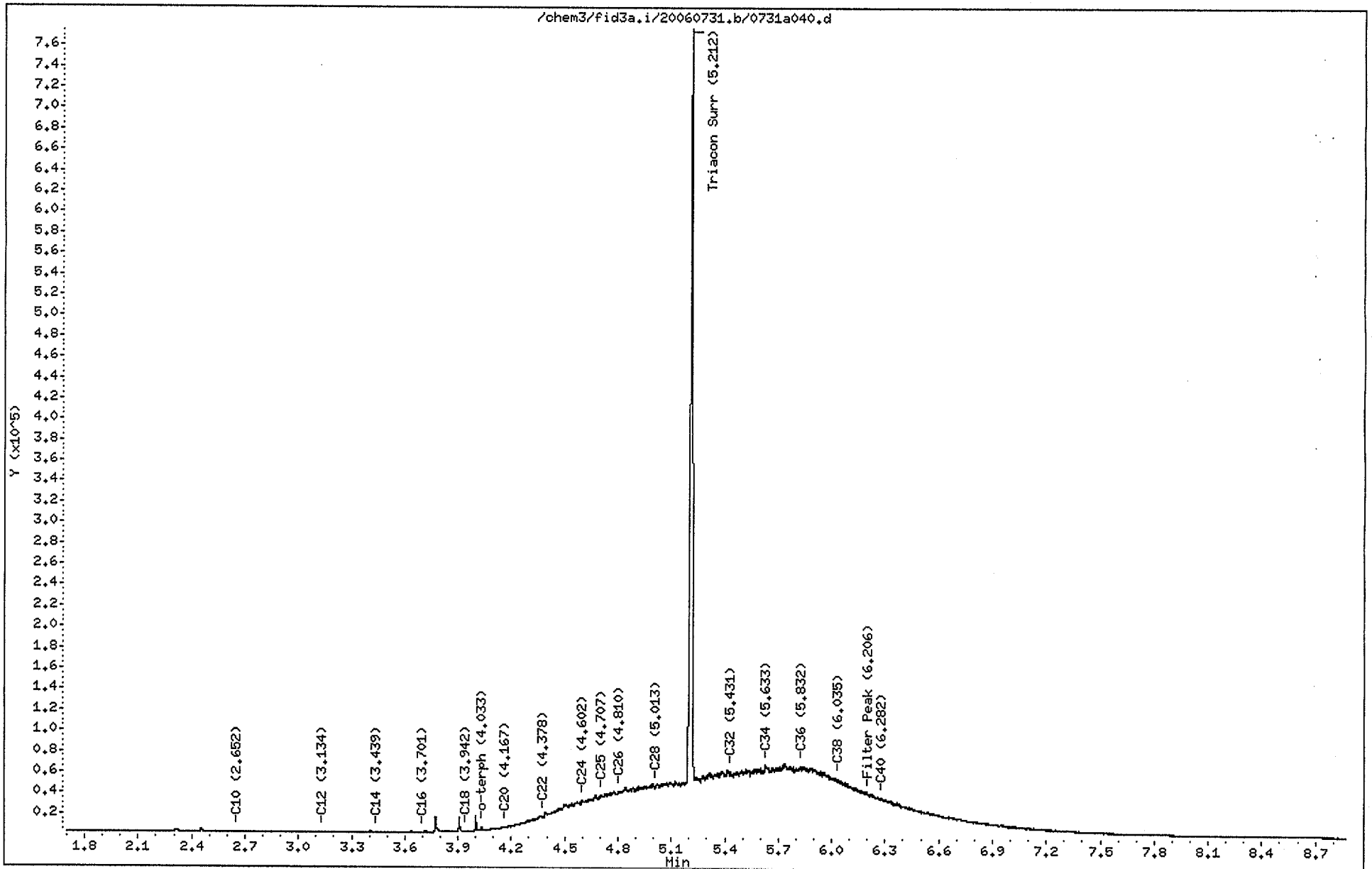

7a
DIESEL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 03:37 Lab ID: DIESEL#4

Instrument: FID3A.I Lab File Name: 0731a052.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3241055	261.9	250	4.8
AK102 (C10-C25)	3802819	262.1	250	4.8
Terphenyl	864562	47.5	45	5.6

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a052.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006
ARI ID: DIESEL#4
Client ID:
Injection: 01-AUG-2006 03:37
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.268	0.018	12739	17937	GAS (Tol-C12)	768061	38
C8	1.429	-0.007	2788	3784	DIESEL (C12-C24)	3241055	262
C10	2.655	-0.001	4996	3185	M.OIL (C24-C38)	118734	13
C12	3.139	0.004	133371	59458	AK-102 (C10-C25)	3802819	262
C14	3.443	0.003	180128	82456	AK-103 (C25-C36)	102358	16
C16	3.698	-0.002	217938	97327			
C18	3.942	0.003	75202	58869			
C20	4.166	0.001	30452	18133			
C22	4.394	0.008	14258	14838	STODDARD (C8-C12)	728891	49
C24	4.606	0.005	5298	3801			
C25	4.706	-0.002	3591	2191			
C26	4.804	-0.006	2332	1918			
C28	5.030	0.015	1078	300			
C32	5.443	0.013	891	1003			
C34	5.626	-0.009	1515	2505			
Filter Peak	6.212	0.004	1381	192			
C36	5.833	-0.001	1267.0	325	o-Terph Surrogate Rec = 105.6%	(864562)	
C38	6.033	-0.003	1395.0	360	Triacon Surrogate Rec = 0.1%	(651)	
C40	6.282	-0.003	1321	340			
o-terph	4.003	-0.014	1601115	864562	JET-A (C10-C18)	2934916	253
Triacon Surr	5.232	0.001	911	651			

JK 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a052.d
Date : 01-AUG-2006 03:37
Client ID:
Sample Info: DIESEL#4

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

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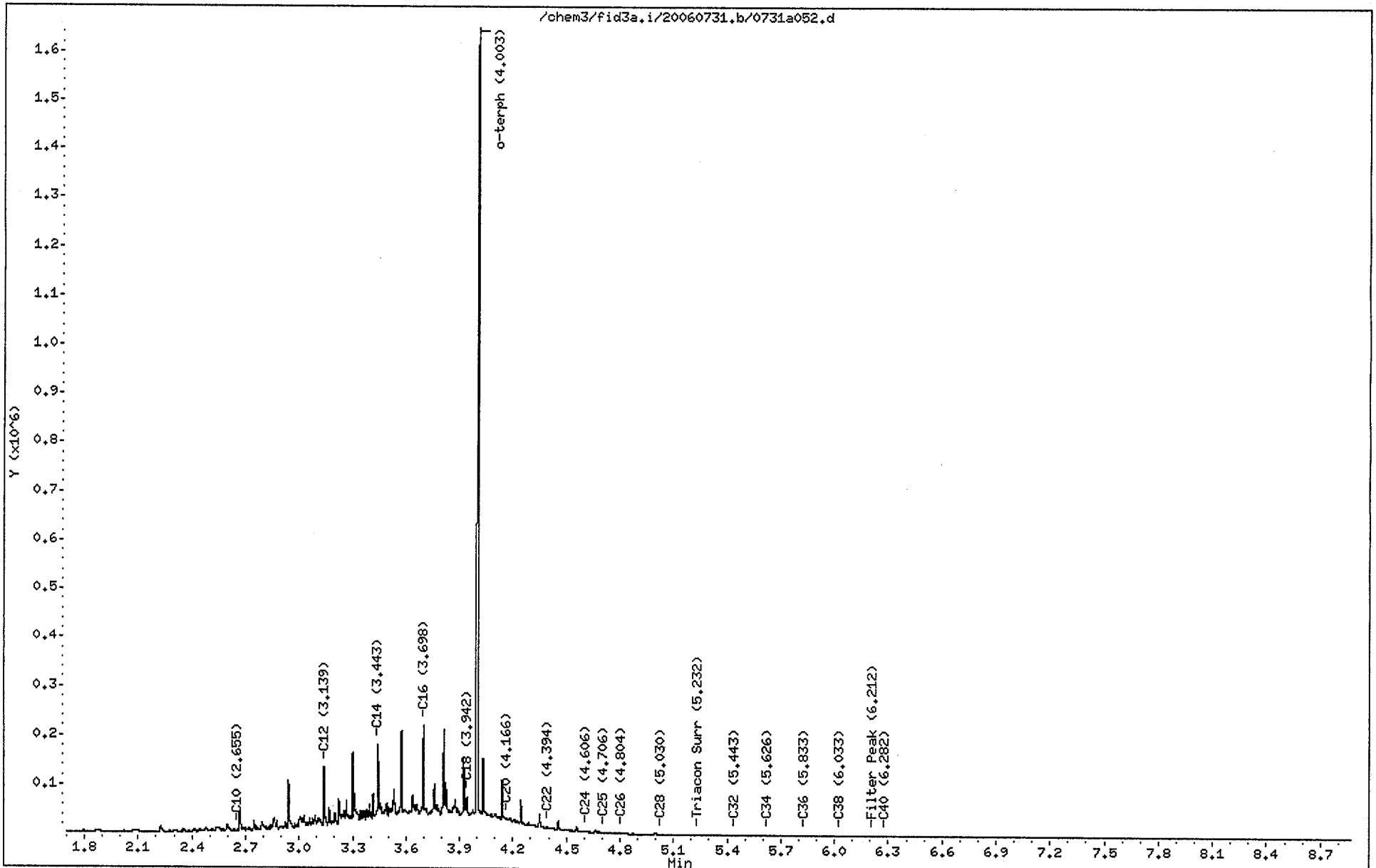

7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 03:52 Lab ID: MOIL#4

Instrument: FID3A.I Lab File Name: 0731a053.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4517532	479.0	500	-4.2
AK103 (C25-C36)	3853145	606.9	500	21.4
n-Triacontane	664501	43.5	45	-3.3

* Surrogate areas are subtracted from range areas

<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a053.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006
ARI ID: MOIL#4
Client ID:
Injection: 01-AUG-2006 03:52
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	42719	2
C8	1.442	0.006	1539	1107	DIESEL (C12-C24)	639837	52
C10	2.651	-0.004	257	162	M.OIL (C24-C38)	4517532	479
C12	3.132	-0.003	776	997	AK-102 (C10-C25)	651833	45
C14	3.439	-0.001	663	437	AK-103 (C25-C36)	3853145	607
C16	3.697	-0.002	833	278			
C18	3.942	0.003	1846	2115			
C20	4.164	-0.001	5087	2200			
C22	4.381	-0.005	15286	3324	STODDARD (C8-C12)	42719	3
C24	4.599	-0.002	32139	22077			
C25	4.709	0.001	36128	15753			
C26	4.807	-0.003	42178	25943			
C28	5.017	0.002	47085	16561			
C32	5.432	0.001	58250	31124			
C34	5.634	-0.001	66680	29583			
Filter Peak	6.209	0.001	38647	12055			
C36	5.837	0.003	64564.0	27481	o-Terph Surrogate Rec = 0.5%		(4491)
C38	6.033	-0.002	52268.0	14348	Triacon Surrogate Rec = 96.7%		(664501)
C40	6.284	-0.001	34210	29099			
o-terph	4.033	0.016	5605	4491	JET-A (C10-C18)	63390	5
Triacon Surr	5.213	-0.018	766014	664501			

JR 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a053.d
Date : 01-AUG-2006 03:52
Client ID:
Sample Info: MOIL#4

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

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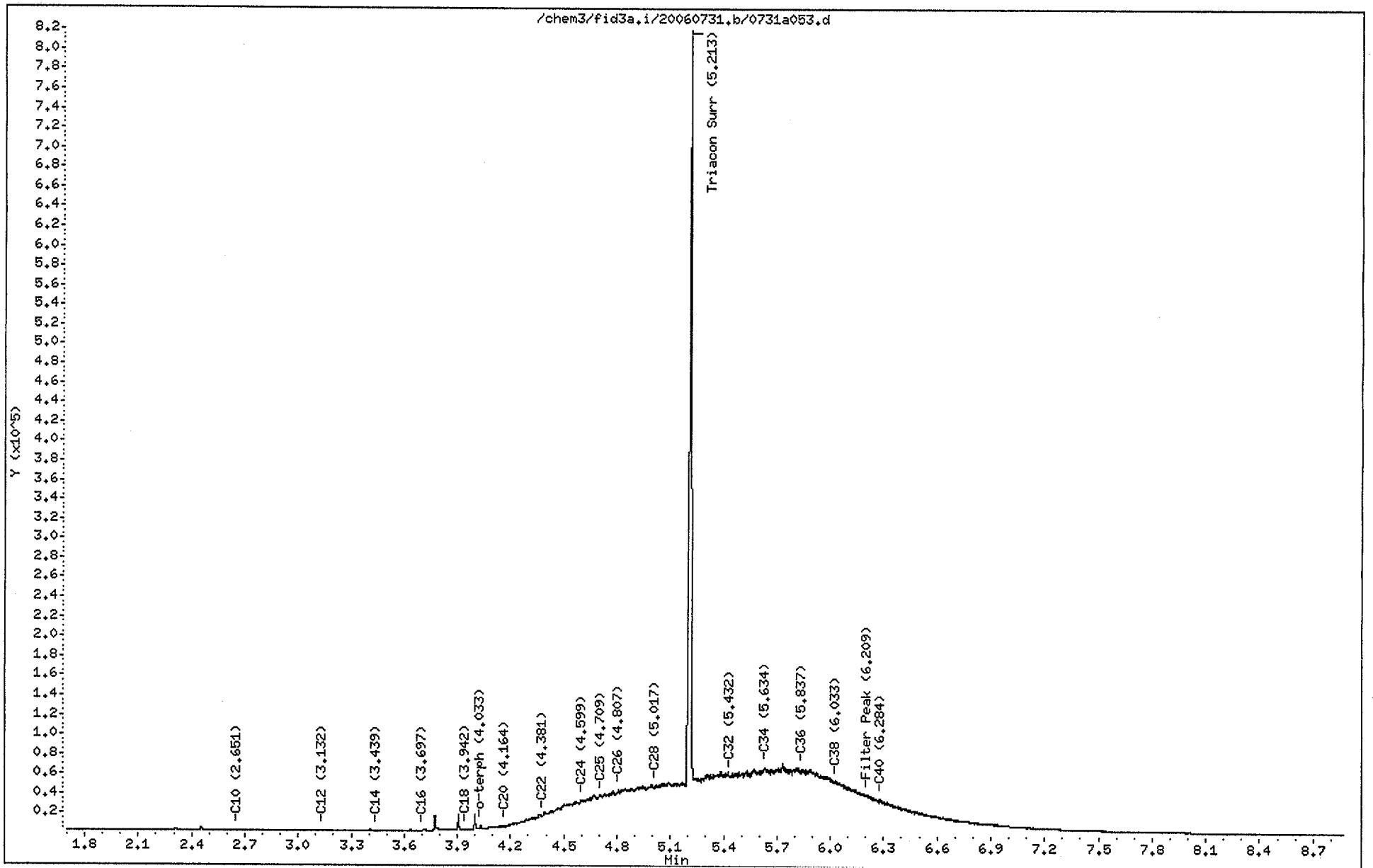

7a

DIESEL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 06:56 Lab ID: DIESEL#5

Instrument: FID3A.I Lab File Name: 0731a065.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3231298	261.1	250	4.4
AK102 (C10-C25)	3786638	260.9	250	4.4
Terphenyl	857562	47.1	45	4.7

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a065.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006
ARI ID: DIESEL#5
Client ID:
Injection: 01-AUG-2006 06:56
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.271	0.020	11745	17129	GAS (Tol-C12)	760640	38
C8	1.431	-0.005	2686	3897	DIESEL (C12-C24)	3231298	261
C10	2.656	0.000	4848	3087	M.OIL (C24-C38)	117707	12
C12	3.140	0.005	128021	59610	AK-102 (C10-C25)	3786638	261
C14	3.443	0.003	179668	84252	AK-103 (C25-C36)	101436	16
C16	3.698	-0.002	206774	101007			
C18	3.943	0.004	74529	60548			
C20	4.168	0.003	30282	20728			
C22	4.379	-0.006	12507	5325	STODDARD (C8-C12)	722908	48
C24	4.596	-0.005	5831	3851			
C25	4.709	0.002	3528	1238			
C26	4.804	-0.006	2415	1726			
C28	4.998	-0.017	4245	5027			
C32	5.431	0.001	805	504			
C34	5.625	-0.010	1890	2109			
Filter Peak	6.216	0.008	1248	321			
C36	5.835	0.001	1271.0	836	o-Terph Surrogate Rec = 104.7%		(857562)
C38	6.039	0.003	1383.0	884	Triacon Surrogate Rec = 0.1%		(579)
C40	6.290	0.005	1179	256			
o-terph	4.003	-0.013	1621986	857562	JET-A (C10-C18)	2916598	252
Triacon Surr	5.229	-0.002	912	579			

JR 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a065.d
Date : 01-AUG-2006 06:56
Client ID:
Sample Info: DIESEL#5

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

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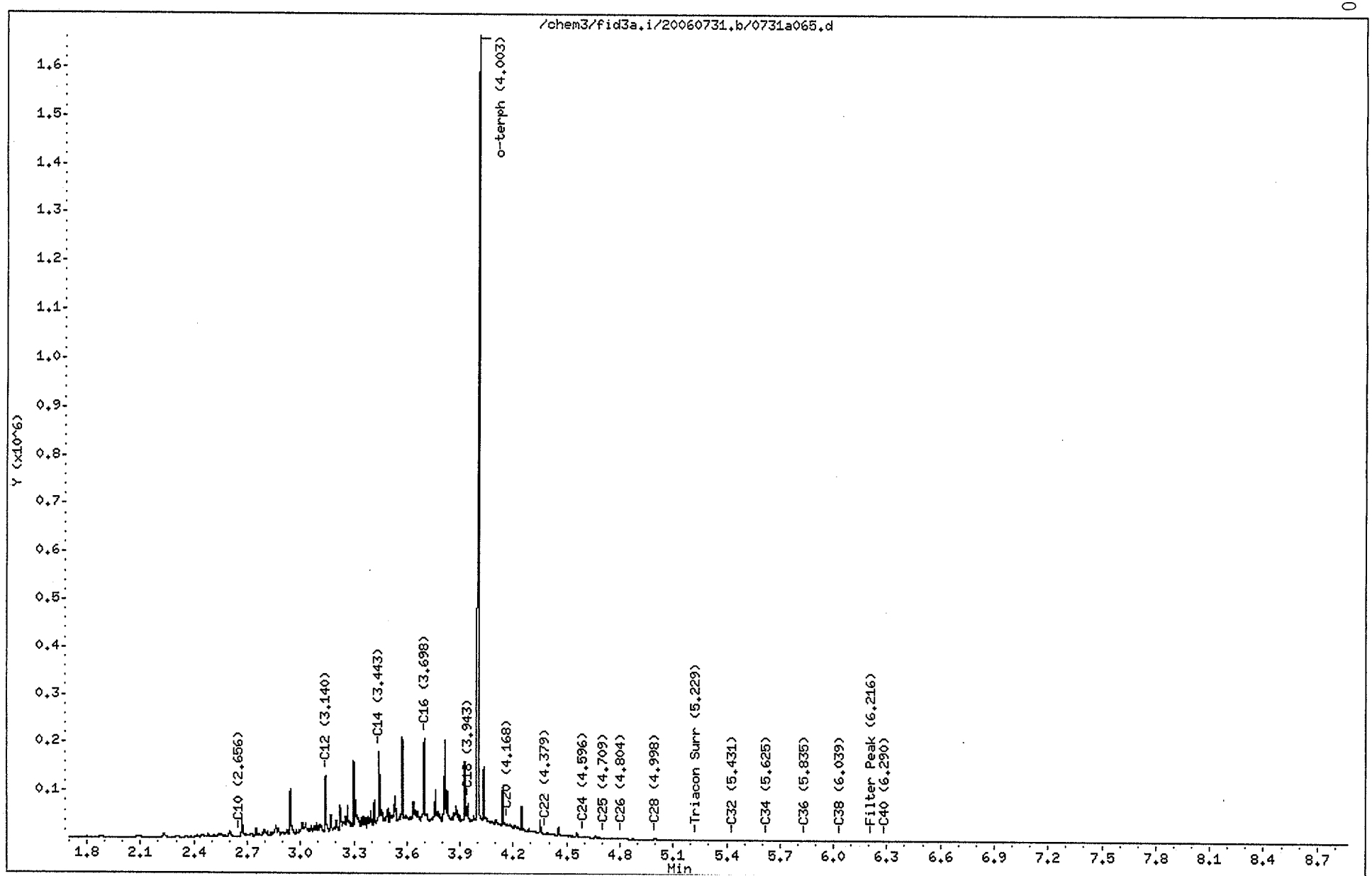

7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 07:11 Lab ID: MOIL#5

Instrument: FID3A.I Lab File Name: 0731a066.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4574247	485.0	500	-3.0
AK103 (C25-C36)	3892186	613.0	500	22.6
n-Triacontane	669870	43.8	45	-2.6

* Surrogate areas are subtracted from range areas

<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a066.d ARI ID: MOIL#5
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 07:11
Operator: JR
Report Date: 08/09/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	46158	2
C8	1.444	0.008	1484	588	DIESEL (C12-C24)	632075	51
C10	2.660	0.004	250	83	M.OIL (C24-C38)	4574247	485
C12	3.131	-0.004	1070	1124	AK-102 (C10-C25)	656581	45
C14	3.439	-0.001	666	478	AK-103 (C25-C36)	3892186	613
C16	3.698	-0.002	837	199			
C18	3.945	0.007	1921	2155			
C20	4.170	0.005	5081	3887			
C22	4.395	0.010	19731	23978	STODDARD (C8-C12)	46158	3
C24	4.601	0.000	31803	13231			
C25	4.712	0.005	37006	12366			
C26	4.812	0.001	42018	13106			
C28	5.013	-0.002	47398	17621			
C32	5.430	-0.001	58962	16302			
C34	5.635	0.000	68084	59799			
Filter Peak	6.210	0.002	37214	40090			
C36	5.835	0.001	63986.0	13968	o-Terph Surrogate Rec = 1.3%		(10477)
C38	6.035	-0.001	51559.0	16128	Triacon Surrogate Rec = 97.4%		(669870)
C40	6.282	-0.002	30422	7772			
o-terph	4.002	-0.015	16711	10477	JET-A (C10-C18)	65274	6
Triacon Surr	5.212	-0.019	710568	669870			

JR 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a066.d

Date : 01-AUG-2006 07:11

Client ID:

Sample Info: MOIL#5

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

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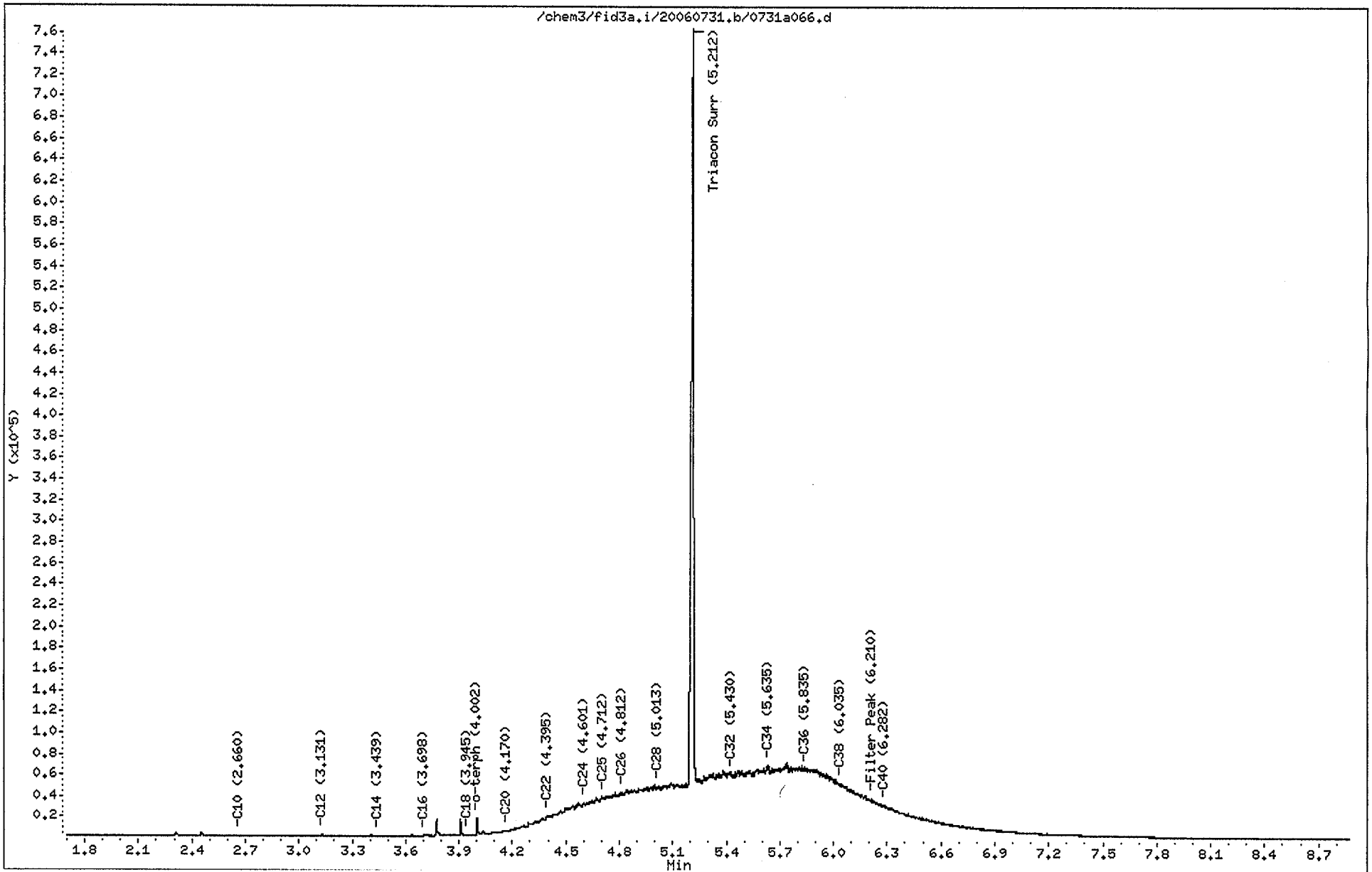


7a

DIESEL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006
Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006
SDG No.: JQ52

Analysis Time: 08:58
Lab ID: DIESEL#6

Instrument: FID3A.I
Lab File Name: 0731a073.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3179051	256.9	250	2.8
AK102 (C10-C25)	3732218	257.2	250	2.9
Terphenyl	845135	46.5	45	3.2

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA Diesel C12-C24
AK Diesel C10-C25

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a073.d ARI ID: DIESEL#6
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 08:58
Operator: JR
Report Date: 08/09/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.269	0.019	12360	17299	GAS (Tol-C12)	755821	38
C8	1.430	-0.006	2727	3799	DIESEL (C12-C24)	3179051	257
C10	2.658	0.002	4834	3140	M.OIL (C24-C38)	101873	11
C12	3.140	0.005	130855	59043	AK-102 (C10-C25)	3732218	257
C14	3.443	0.003	175269	83308	AK-103 (C25-C36)	90175	14
C16	3.698	-0.001	206716	94874			
C18	3.946	0.008	73293	57243			
C20	4.172	0.007	29254	25338			
C22	4.383	-0.003	12122	3056	STODDARD (C8-C12)	717355	48
C24	4.597	-0.004	5708	4915			
C25	4.713	0.006	3516	2017			
C26	4.803	-0.007	2390	1755			
C28	5.027	0.012	1115	1144			
C32	5.413	-0.017	676	614			
C34	5.626	-0.009	1471	1956			
Filter Peak	6.213	0.005	919	345			
C36	5.840	0.006	928.0	1203	o-Terph Surrogate Rec = 103.2%		(845135)
C38	6.037	0.001	966.0	134	Triacon Surrogate Rec = 0.0%		(162)
C40	6.286	0.001	860	612			
o-terph	4.008	0.000	1598405	845135	JET-A (C10-C18)	2892379	250
Triacon Surr	5.230	0.018	747	162			

JL 08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

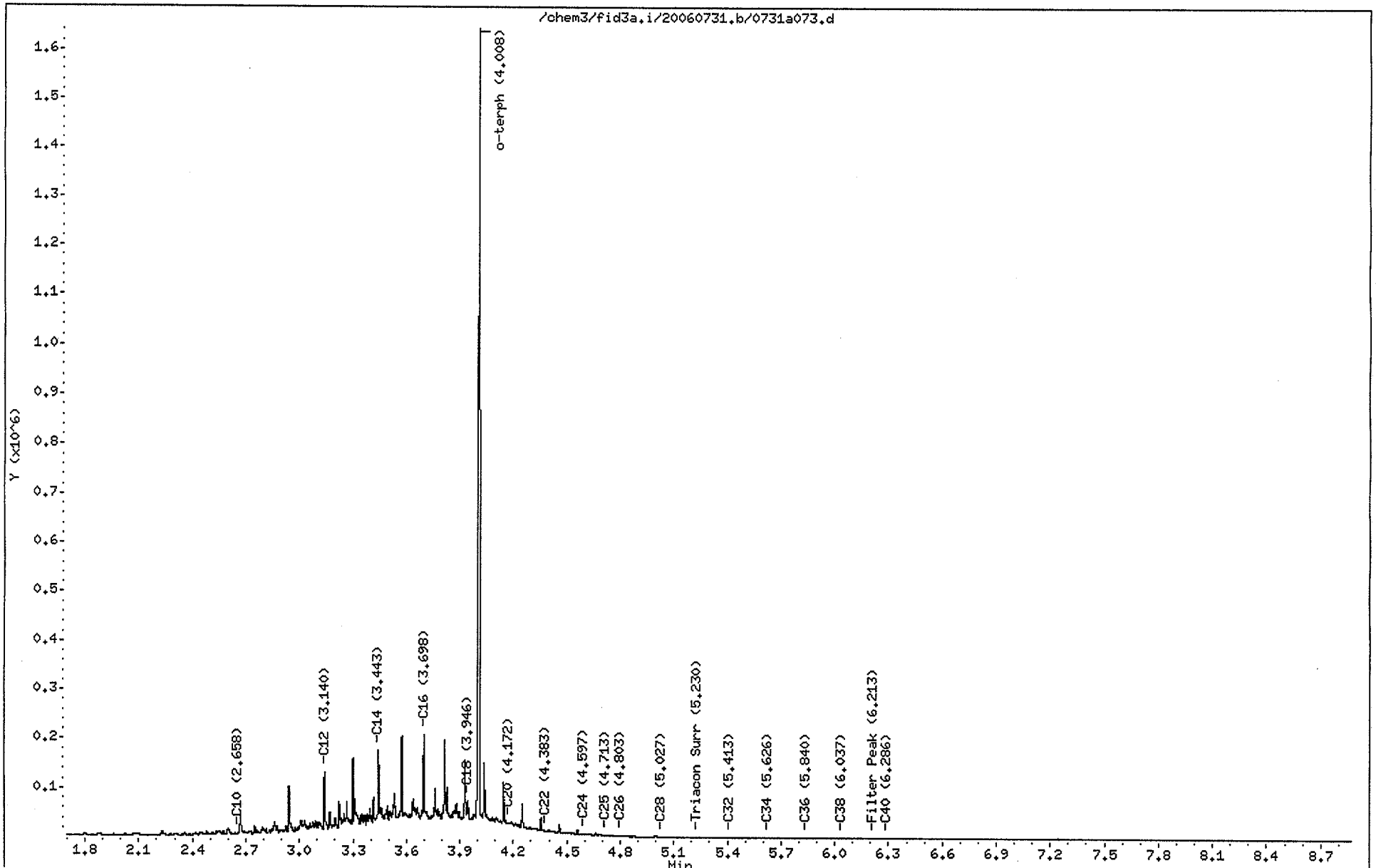
Data File: /chem3/fid3a.i/20060731.b/0731a073.d
Date : 01-AUG-2006 08:58
Client ID:
Sample Info: DIESEL#6

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0693



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006 Project: T4 EARLY ACTION

CCal Date: 01-AUG-2006 SDG No.: JQ52

Analysis Time: 09:14 Lab ID: MOIL#6

Instrument: FID3A.I Lab File Name: 0731a074.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4542265	481.6	500	-3.7
AK103 (C25-C36)	3860534	608.1	500	21.6
n-Triacontane	657938	43.1	45	-4.3

* Surrogate areas are subtracted from range areas
<- Indicates a %D outside QC limits

Quant Ranges : WA M.Oil C24-C38
AK M.Oil C25-C36

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a074.d ARI ID: MOIL#6
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 09:14
Operator: JR
Report Date: 08/09/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	40107	2
C8	1.444	0.008	1453	1208	DIESEL (C12-C24)	624171	50
C10	2.655	-0.001	206	148	M.OIL (C24-C38)	4542265	482
C12	3.131	-0.004	1029	967	AK-102 (C10-C25)	647277	45
C14	3.440	0.000	622	620	AK-103 (C25-C36)	3860534	608
C16	3.700	0.000	759	286			
C18	3.945	0.007	1794	2032			
C20	4.171	0.006	5043	2957			
C22	4.383	-0.002	15489	3053	STODDARD (C8-C12)	40107	3
C24	4.602	0.001	32354	14978			
C25	4.704	-0.003	37807	38346			
C26	4.811	0.000	41008	12942			
C28	5.013	-0.002	47820	37652			
C32	5.432	0.001	58890	18399			
C34	5.639	0.004	64227	39016			
Filter Peak	6.207	-0.001	37132	15182			
C36	5.833	-0.001	65891.0	38281	o-Terph Surrogate Rec = 1.2%		(10186)
C38	6.036	0.001	51472.0	20210	Triacon Surrogate Rec = 95.7%		(657938)
C40	6.286	0.002	31377	15749			
o-terph	4.002	-0.005	15794	10186	JET-A (C10-C18)	58807	5
Triacon Surr	5.211	0.000	754092	657938			

08/09/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

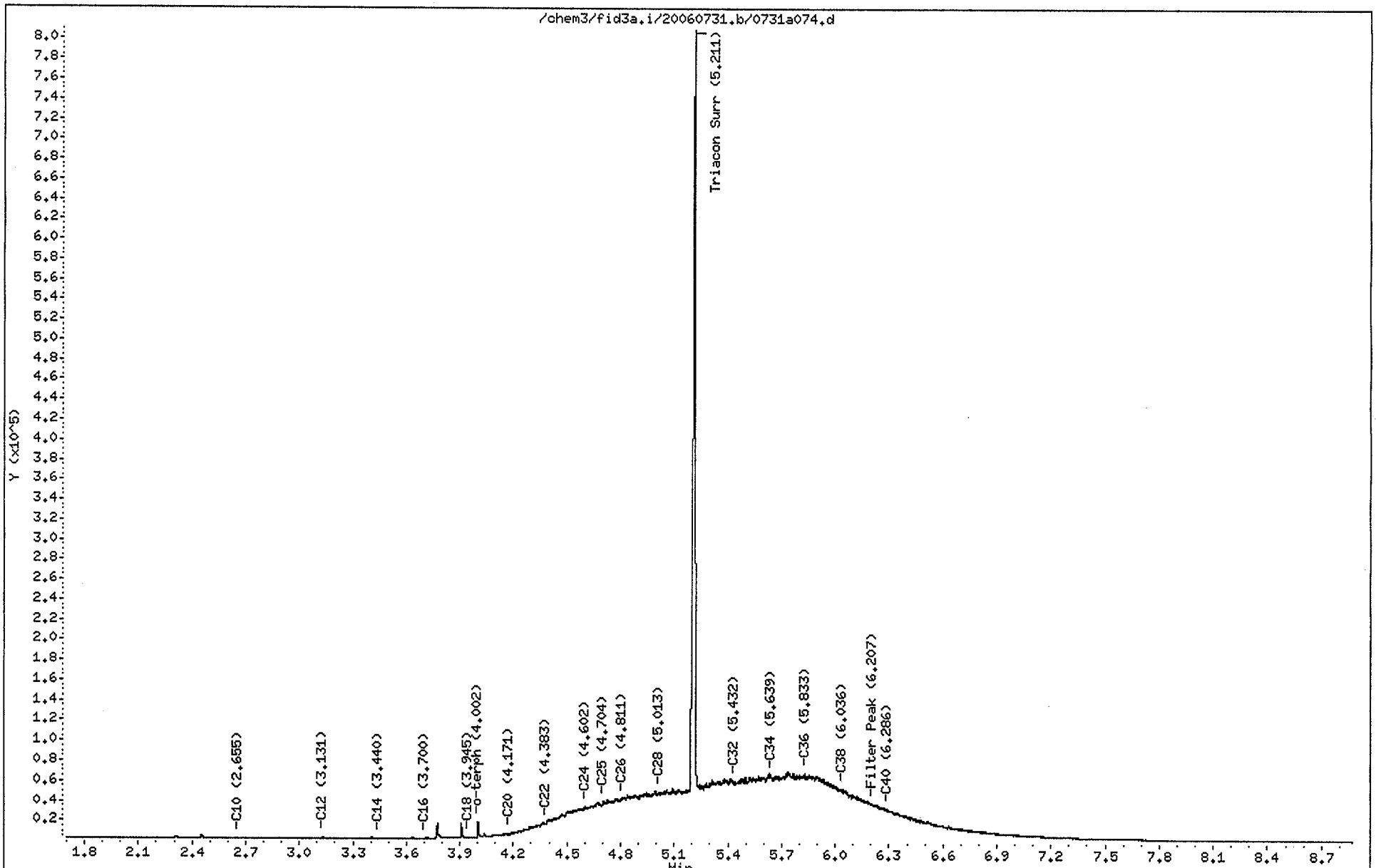
Data File: /chem3/fid3a.i/20060731.b/0731a074.d
Date : 01-AUG-2006 09:14
Client ID:
Sample Info: MOIL#6

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

0696



NWTPH-Dx Analysis
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a041.d ARI ID: JQ52MBS1
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 00:48
Operator: JR
Report Date: 08/01/2006 Dilution Factor: 1
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.246	-0.005	33561	45185	GAS (Tol-C12)	229715	11
C8	1.440	0.004	2344	2649	DIESEL (C12-C24)	77367	6
C10	2.662	0.006	708	807	M.OIL (C24-C38)	66617	7
C12	3.133	-0.002	1283	1578	AK-102 (C10-C25)	100800	7
C14	3.428	-0.012	1470	2279	AK-103 (C25-C36)	55312	9
C16	3.694	-0.005	1447	1861			
C18	3.942	0.004	1041	1413			
C20	4.171	0.007	1279	691			
C22	4.388	0.003	1074	233	STODDARD (C8-C12)	86955	6
C24	4.600	-0.001	1031	468			
C25	4.729	0.022	993	708			
C26	4.814	0.004	899	1068			
C28	5.026	0.011	593	326			
C32	5.421	-0.009	1518	4512			
C34	5.627	-0.008	1008	1019			
Filter Peak	6.206	-0.001	972	559			
C36	5.837	0.003	956.0	502	o-Terph Surrogate Rec = 59.9%		(490222)
C38	6.033	-0.002	1016.0	596	Triacon Surrogate Rec = 64.3%		(442300)
C40	6.282	-0.002	904	197			
o-terph	3.998	-0.018	1106086	490222	JET-A (C10-C18)	64702	6
Triacon Surr	5.204	-0.027	670747	442300			

JR 07/31/06 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

JR 08/01/06

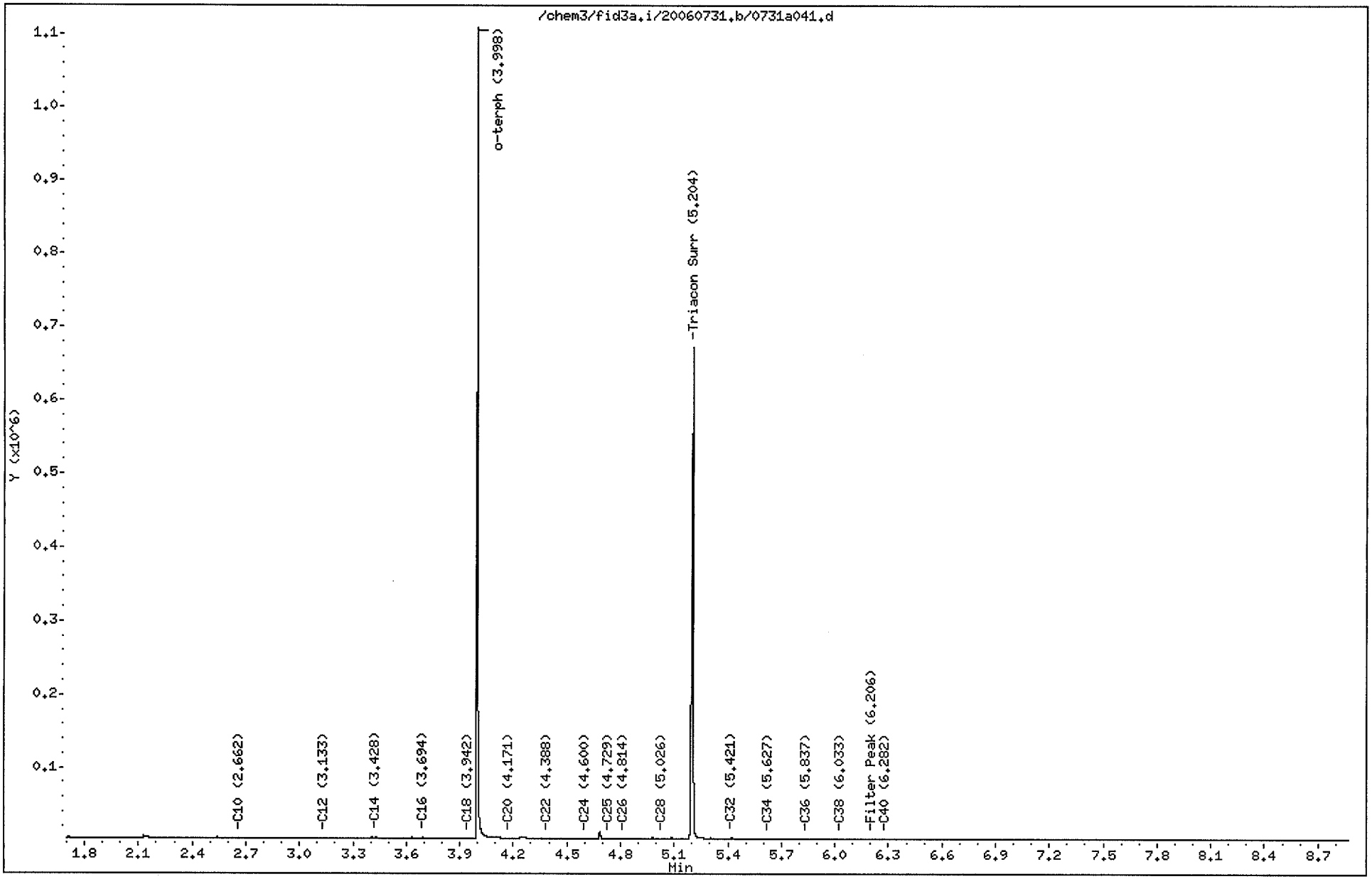
Data File: /chem3/fid3a.i/20060731.b/0731a041.d
Date : 01-AUG-2006 00:48
Client ID:
Sample Info: JQ52MBS1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0699



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a068.d ARI ID: JQ52AMS
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m Client ID:
Instrument: fid3a.i Injection: 01-AUG-2006 07:42
Operator: JR
Report Date: 08/01/2006 Dilution Factor: 10
Macro: 21-JUN-2006
Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.273	0.022	11163	31666	GAS (Tol-C12)	308292	15
C8	1.437	0.001	2054	3103	DIESEL (C12-C24)	4812400	389
C10	2.660	0.004	1351	900	M.OIL (C24-C38)	3782391	401
C12	3.143	0.008	37606	18169	AK-102 (C10-C25)	5000639	345
C14	3.444	0.004	69900	37942	AK-103 (C25-C36)	3490467	550
C16	3.699	-0.001	107881	66559			
C18	3.946	0.008	160952	125083			
C20	4.171	0.006	68540	53824			
C22	4.384	-0.001	65564	39780	STODDARD (C8-C12)	239794	16
C24	4.605	0.004	138099	118170			
C25	4.711	0.003	46030	36940			
C26	4.813	0.002	43231	19364			
C28	5.010	-0.005	101156	125290			
C32	5.437	0.006	75346	75815			
C34	5.639	0.004	36196	22534			
Filter Peak	6.208	0.000	13690	2989			
C36	5.834	0.000	31162.0	20379	o-Terph Surrogate Rec = 50.9%		(41679)
C38	6.039	0.003	19883.0	4735	Triacon Surrogate Rec = 51.9%		(35679)
C40	6.285	0.000	12222	9835			
o-terph	4.001	-0.016	124832	41679	JET-A (C10-C18)	2541555	219
Triacon Surr	5.199	-0.033	62099	35679			

JR 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a068.d

Date : 01-AUG-2006 07:42

Client ID:

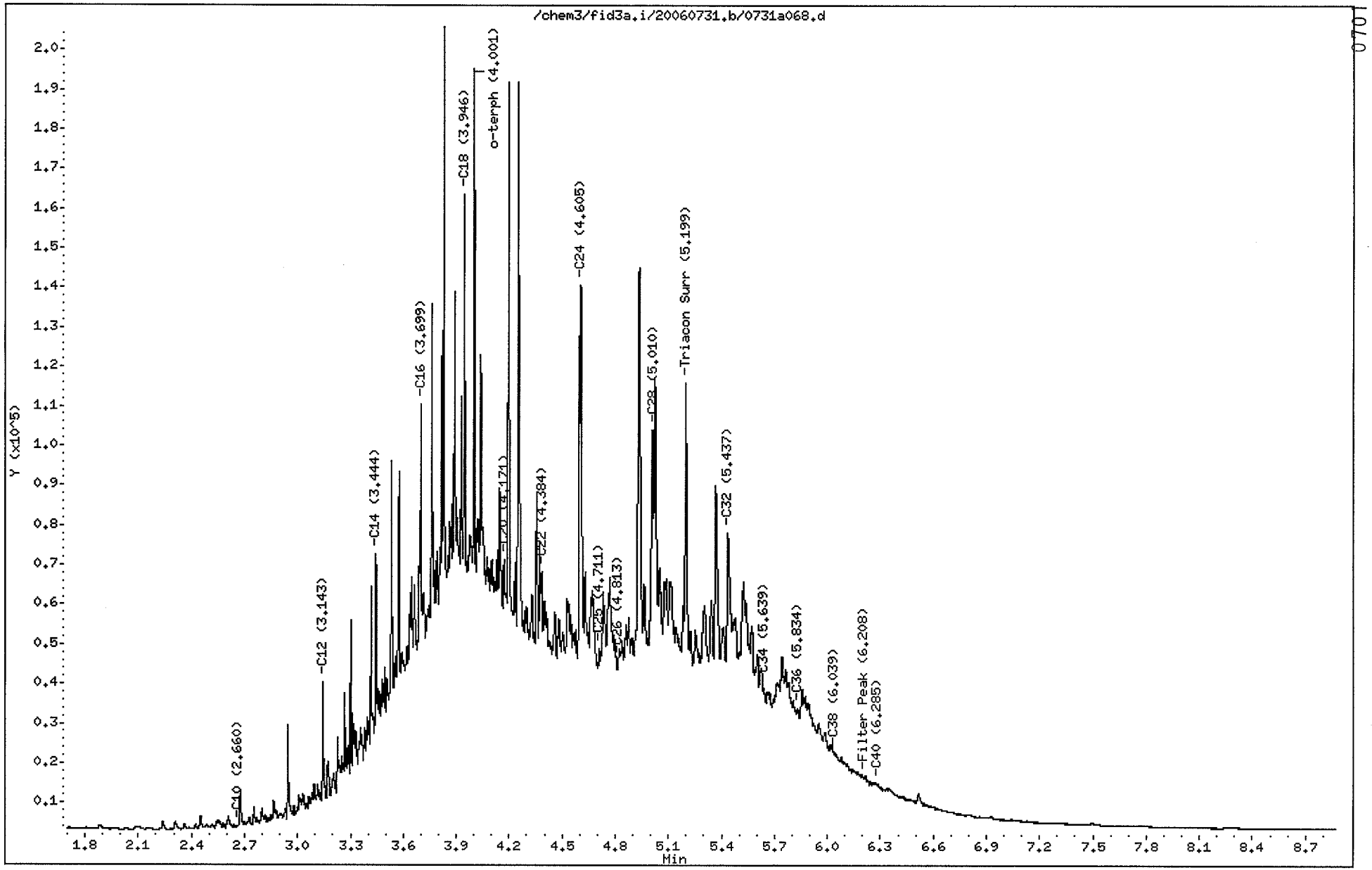
Sample Info: JQ52AMS,10

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a069.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/01/2006
Macro: 21-JUN-2006
ARI ID: JQ52AMSD
Client ID:
Injection: 01-AUG-2006 07:57
Dilution Factor: 10

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.268	0.018	10860	27478	GAS (Tol-C12)	317063	16
C8	1.432	-0.004	2103	3013	DIESEL (C12-C24)	4683527	378
C10	2.658	0.002	1411	959	M.OIL (C24-C38)	3907204	414
C12	3.143	0.008	37507	19073	AK-102 (C10-C25)	4878633	336
C14	3.445	0.004	68273	39058	AK-103 (C25-C36)	3626485	571
C16	3.699	-0.001	102861	99991			
C18	3.945	0.007	152330	117366			
C20	4.171	0.006	64396	52450			
C22	4.383	-0.003	67913	52155	STODDARD (C8-C12)	248194	17
C24	4.605	0.004	150141	130328			
C25	4.709	0.001	44859	16424			
C26	4.815	0.004	42772	11869			
C28	5.009	-0.007	108679	120839			
C32	5.439	0.008	82642	128188			
C34	5.642	0.007	35546	17954			
Filter Peak	6.211	0.003	13081	7261			
C36	5.833	-0.001	30895.0	21967	o-Terph Surrogate Rec = 48.7%		(39845)
C38	6.038	0.002	19328.0	10279	Triacon Surrogate Rec = 47.7%		(32822)
C40	6.281	-0.004	11874	10116			
o-terph	4.000	-0.017	122603	39845	JET-A (C10-C18)	2403152	208
Triacon Surr	5.199	-0.032	54973	32822			

JR 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

Data File: /chem3/fid3a.i/20060731.b/0731a069.d

Date : 01-AUG-2006 07:57

Client ID:

Sample Info: JQ52AMSD,10

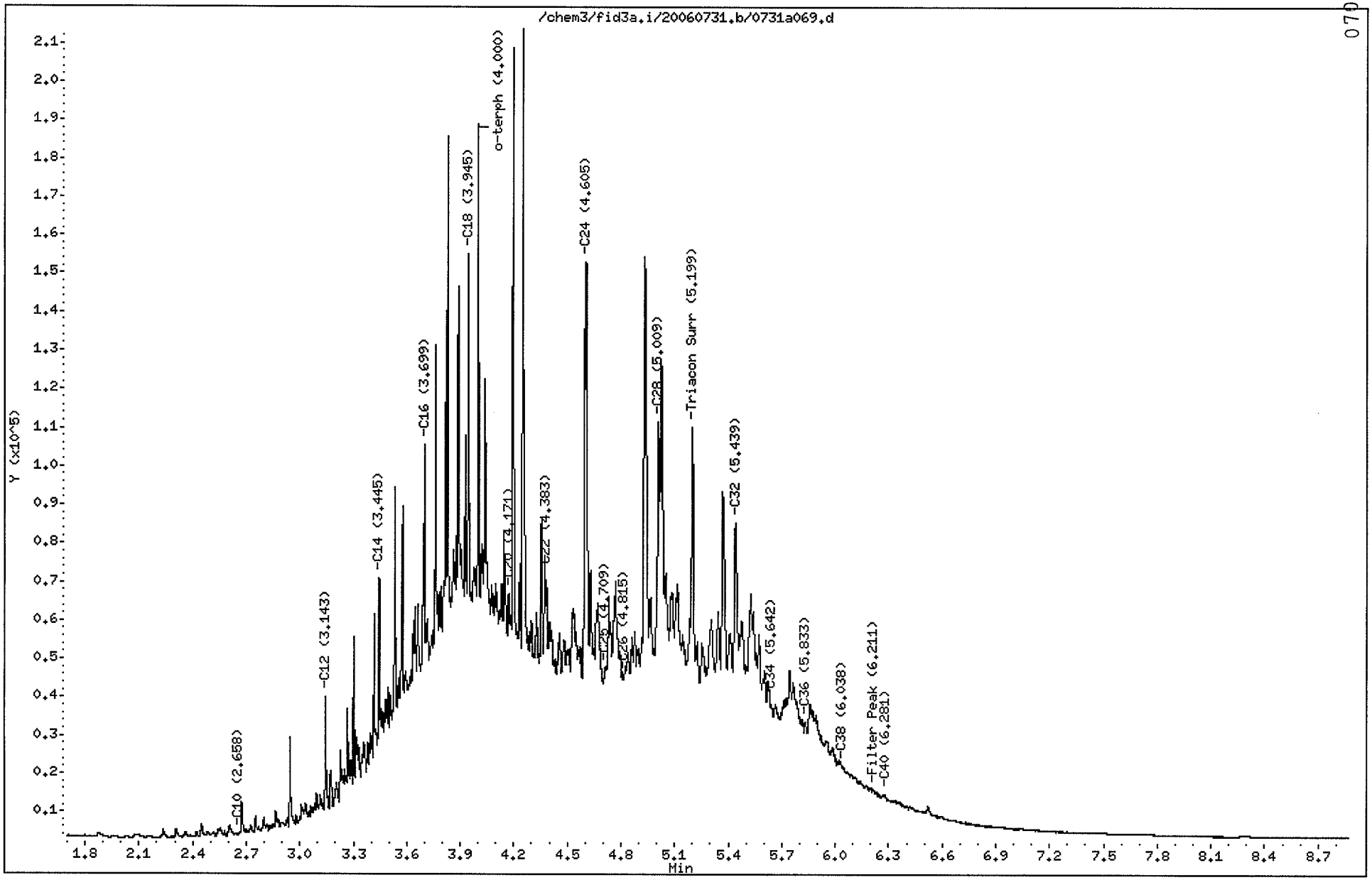
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

0703



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060731.b/0731a042.d
Method: /chem3/fid3a.i/20060731.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/01/2006
Macro: 21-JUN-2006
ARI ID: JQ52LCSS1
Client ID:
Injection: 01-AUG-2006 01:03
Dilution Factor: 1

Calibration Dates: Gas:31-JUL-2006 Diesel:15-JUL-2006 M.Oil:15-JUL-2006
AK102:15-JUL-2006 AK103:15-MAR-2006 JET-A:15-JUL-2006

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.279	0.029	26290	41349	GAS (Tol-C12)	2235578	112
C8	1.438	0.002	3229	5399	DIESEL (C12-C24)	11118638	898
C10	2.654	-0.001	14601	8537	M.OIL (C24-C38)	207045	22
C12	3.140	0.005	438135	195629	AK-102 (C10-C25)	12902634	889
C14	3.444	0.004	641643	281817	AK-103 (C25-C36)	199584	31
C16	3.700	0.001	683808	372532			
C18	3.945	0.006	256892	224388			
C20	4.165	0.000	102608	24345			
C22	4.392	0.007	48250	22039	STODDARD (C8-C12)	2167839	144
C24	4.595	-0.005	18997	13892			
C25	4.708	0.000	10637	6281			
C26	4.811	0.000	6260	998			
C28	5.012	-0.003	2596	1752			
C32	5.417	-0.013	1581	3520			
C34	5.626	-0.009	1040	1221			
Filter Peak	6.205	-0.003	706	195			
C36	5.830	-0.004	707.0	360	o-Terph Surrogate Rec = 61.7%		(505255)
C38	6.038	0.003	721.0	99	Triacon Surrogate Rec = 64.4%		(442830)
C40	6.285	0.000	673	279			
o-terph	4.002	-0.015	952701	505255	JET-A (C10-C18)	10096606	872
Triacon Surr	5.204	-0.027	632593	442830			

MC 08/01/06

Range Times: NW Diesel(3.135 - 4.601) AK102(2.66 - 4.71) Jet A(2.66 - 3.94)
NW M.Oil(4.60 - 6.04) AK103(4.71 - 5.83) OR Diesel(2.66 - 5.02)

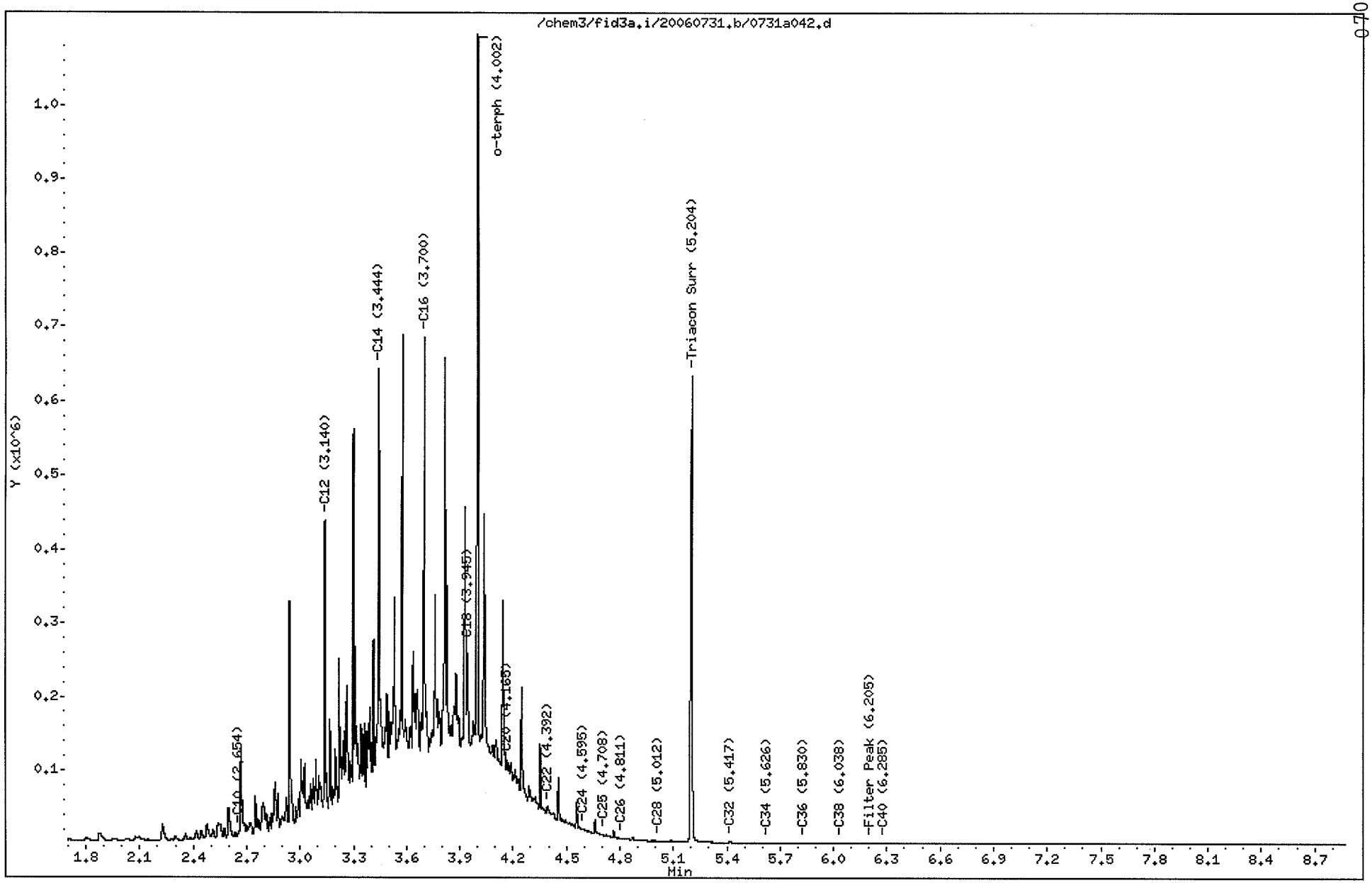
Data File: /chem3/fid3a.i/20060731.b/0731a042.d
Date : 01-AUG-2006 01:03
Client ID:
Sample Info: JQ52LCSS1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

Column phase: RTX-1

0705



NWTPH-Dx Analysis
Extraction Bench Sheets and Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT-LIMs # _____
Bid # TD072813-01

NWTPHD/AK102/103/NWHCID - Soil
(3550B) Microtip X
(3545A) ASE ✓
Med.Shakeout ____
Acid/Silica Gel Clean ____
KD ____
Turbovap ✓

Client Name: Anchor Environmental
Bristol Environmental

ARI Job No(s): JQ52, JQ39 (rx)

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted	Volume of Solvent Added (HCID)	KD	Final Effective Volume	Volume To Lab	Time Extracted 1050 Comments
MB: JQ52 MBS	7-28-06	10.00			1 ml	1 ml	
SB: SBS	7-28-06	10.00					
A	verified	10.02					
AMS		10.02					
AMSD		10.00					
B		10.02					
C		10.00					
D		10.02					
JQ39 A_2		10.00					
B_2		10.05					
C_2		10.00					
C_{DUP2}		10.01					
D_2		10.00					
E_2		10.00					
F_2		10.02					
G_2		10.00					
H_2		10.00					
I_2		10.00					
Date/Analyst:		GAH 7-28-06			SP 7/31/06		

MACRO: TH 7/28/06

Surrogate Amount: 100 µl
Concentration: 450 µg/ml
Added By: GAH /Spk. Witness TH
ID: 1412-4

Spike Amount: 100 µl
Concentration: 15000 µg/ml
Added By: GAH /Spk. Witness TH
ID: 1407-3

Neutral glasswool ID: 3/19#1
(DCM) Solvent Lot ID: I2978
Conc. H2So4 ID: ____
Silica Gel ID: N/A
Na2So4 ID: 7/20#4

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ52 Client Name: Anchor Environmental

Parameter: TPHD Client Project: T4 Early Action

3545 SOP Number(s) [ ] No Anomalies

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

· Filtered MB, SB, A, AMS, AMSD, B thru 0.45µm PTFE filters. SB 7/31/06

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

Rev. 5
2/15/01

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

RI Project ID: IQ52 Client ID: T4 Early Action

RI SOP: 403S(PCB) 405S(Herbicides) 407S(TPH-D) 409S(HCID) 423S(Pesticides) Other

arameter(s): Diesel mo.l o-terphenyl

strument: FID: 3A ECD: N/A

ates: Curve: Diesel 07/15/06 Analysis Start: JR 07/31/06
mo.l 08/01/06

drin/DDT Breakdown <15%? YES / NO / NA LCS/LCSD Recovery in Control? YES / NO

al Meets RF & %RSD Criteria? YES / NO MS/MSD Recovery in Control? YES / NO

Cal Meets RF & %RSD Criteria YES / NO Surrogate Recovery in Control? YES / NO

ernal Standard Meets Criteria? YES / NO NA Special Analysis Criteria Met? YES / NO NA

ethod Blank in Control? YES / NO

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

- Hot sample needed 10X DIL — Sample A/AMS/AMSD
- Should Ext. less next time — or SMC FBU

Dup

ditional Details on Reverse: Yes / No

alyst Signature: JR **Date:** 08/01/06

iewer's Signature: [signature] **Date:** 8/1/06

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: JQ52
Matrix: Sediment
Project: T4 EARLY ACTION
Date Received: 07/21/06
050332-01

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
06-13102-072806MB1	Method Blank	10.0 g	1.00 mL	-	07/28/06
06-13102-072806LCS1	Lab Control	10.0 g	1.00 mL	-	07/28/06
06-13102-JQ52A	T4-S3-02-F-DUP	5.42 g	1.00 mL	D	07/28/06
06-13102-JQ52AMS	T4-S3-02-F-DUP	5.42 g	1.00 mL	D	07/28/06
06-13102-JQ52AMSD	T4-S3-02-F-DUP	5.41 g	1.00 mL	D	07/28/06
06-13103-JQ52B	T4-S3-03-C-DUP	5.83 g	1.00 mL	D	07/28/06
06-13104-JQ52C	T4-B414-02-A-DUP	4.99 g	1.00 mL	D	07/28/06
06-13114-JQ52D	T4-S3-08-C-DUP	8.49 g	1.00 mL	D	07/28/06

Basis: D=Dry Weight W=As Received

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

RI Project ID: AK102 Diesel curve Client ID: A.R.I

RI SOP: **403S**(PCB) **405S**(Herbicides) ~~**407S**(TPH-D)~~ **409S**(HCID) **423S**(Pesticides) **Other**

arameter(s): A/S Diesel, Diesel, AK102, o-terphenyl

strument: FID: 3A ECD: N/A

ites: Curve: Diesel 07/15/06 Analysis Start: 07/15/06

drin/DDT Breakdown <15%? YES / NO / (NA)

al Meets RF & %RSD Criteria? (YES) / NO

Cal Meets RF & %RSD Criteria (YES) / NO

ernal Standard Meets Criteria? YES / NO (NA)

thod Blank in Control? YES / NO

LCS/LCSD Recovery in Control? YES / NO (NA)

MS/MSD Recovery in Control? YES / NO

Surrogate Recovery in Control? YES / NO

Special Analysis Criteria Met? YES / NO / (NA)

tail problems, corrective actions and/or other pertinent information below (use reverse side en necessary): all points w/in 20%.

litional Details on Reverse: Yes / (No)

lyst Signature: JR **Date:** JR 07/18/06

iewer's Signature: **Date:** 7.18.2006

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

RI Project ID: mol curve Client ID: ART

RI SOP: 403S(PCB) 405S(Herbicides) 407S(TPH-D) 409S(HCID) 423S(Pesticides) Other

rameter(s): mol, n.triacontane

strument: FID: 3A ECD: N/A

tes: Curve: Mol 07/15/06 Analysis Start: 07/15/06

drin/DDT Breakdown <15%? YES / NO / NA

al Meets RF & %RSD Criteria? YES / NO

Cal Meets RF & %RSD Criteria YES / NO

ernal Standard Meets Criteria? YES / NO / NA

thod Blank in Control? YES / NO

LCS/LCSD Recovery in Control? YES / NO / NA

MS/MSD Recovery in Control? YES / NO

Surrogate Recovery in Control? YES / NO

Special Analysis Criteria Met? YES / NO / NA

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

All targets < 20%

ditional Details on Reverse: Yes / No

lyst Signature: [signature] Date: 07/18/01

iewer's Signature: [signature] Date: 7.18.2006

Analytical Resources Inc.: Organics Instrument Log

FID-3A Serial No.: US00003232

Date: 07/15/06 Analysis: TPHd Analyst: JR

GC Program: TPH Column No: R167375 Column Type: RTX-1

Instrument Tune (.U or .CT.): N/A EM Voltage: N/A

Calibration File: N/A Curve Date: Diesel/moil/JetA 07/15/06

IS/SS

N/A

Ical/Ccal

RT
IB
Diesel
moil
AOil
JetA

LCS/ICV

Diesel
moil

Time	Filename	LabID	ClientId	DF
1131	0715a001.d	RINSE		1
1147	0715a002.d	RT		1
1203	0715a003.d	IB		1
1219	0715a004.d	DIESEL		1
1313	0715a005.d	RINSE		1
1329	0715a006.d	RINSE		1
1345	0715a007.d	RINSE		1
1401	0715a008.d	RINSE		1
1417	0715a009.d	DCM RINSE		1
1433	0715a010.d	DCM RINSE		1
1449	0715a011.d	RT		1
1505	0715a012.d	IB		1
1521	0715a013.d	G/D HCIDS		1
1537	0715a014.d	50 PPM DIESEL		1
1553	0715a015.d	100 PPM DIESEL		1
1608	0715a016.d	250 PPM DIESEL		1
1624	0715a017.d	500 PPM DIESEL		1
1640	0715a018.d	1000 PPM DIESEL		1
1656	0715a019.d	2500 PPM DIESEL		1
1712	0715a020.d	DIESEL ICV		1
1728	0715a021.d	DIESEL CVS		1
1744	0715a022.d	50 PPM JET A		1

Time	Filename	LabID	ClientId	DF
1759	0715a023.d	100 PPM JET A		1
1815	0715a024.d	250 PPM JET A		1
1831	0715a025.d	500 PPM JET A		1
1847	0715a026.d	1000 PPM JET A		1
1903	0715a027.d	2500 PPM JET A		1
1919	0715a028.d	JET A CVS		1
1935	0715a029.d	100 PPM MOIL		1
1950	0715a030.d	250 PPM MOIL		1
2006	0715a031.d	500 PPM MOIL		1
2022	0715a032.d	1000 PPM MOIL		1
2038	0715a033.d	2500 PPM MOIL		1
2054	0715a034.d	5000 PPM MOIL		1
2109	0715a035.d	MOIL ICV		1
2125	0715a036.d	MOIL CVS		1
2141	0715a037.d	100 PPM AOIL		1
2157	0715a038.d	250 PPM AOIL		1
2212	0715a039.d	500 PPM AOIL		1
2228	0715a040.d	1000 PPM AOIL		1
2244	0715a041.d	2500 PPM AOIL		1
2259	0715a042.d	5000 PPM AOIL		1
2315	0715a043.d	AOIL CVS		1
2331	0715a044.d	RINSE		1
2346	0715a045.d	DIESEL #1		1

Time	Filename	LabID	ClientId	DF
0002	0715a046.d	MOIL #1		1
0018	0715a047.d	JET A #1		1
0033	0715a048.d	JO91MBS1		1
0049	0715a049.d	JO91LCSS1		1
0104	0715a050.d	JO91LCSDS1		1
0120	0715a051.d	JO91A		1
0135	0715a052.d	JO91B		1
0151	0715a053.d	JO91C		1
0206	0715a054.d	JP14G		2
0222	0715a055.d	JP14H		5
0237	0715a056.d	JP14L		4
0253	0715a057.d	RINSE		1
0308	0715a058.d	DIESEL #2		1
0323	0715a059.d	MOIL #2		1
0339	0715a060.d	JET A #2		1
0354	0715a061.d	JP14N		1
0410	0715a062.d	JP14O		1
0425	0715a063.d	RINSE		1
0440	0715a064.d	DIESEL #2		1
0455	0715a065.d	MOIL #2		1

JR JR JR 07/19/06

Maintenance / Comments

Curves and ccals pass

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

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

FID-3A Serial No.: US00003232

Date: 07/31/06 Analysis: TPH d Analyst: JR

GC Program: TPH Column No: 167375 Column Type: RTX-1

Instrument Tune (.U or .CT.): N/A EM Voltage: N/A

Calibration File: N/A Curve Date: Diesel/mo1/JetA 07/15/06

IS/SS

N/A

Ical/Ccal

RT
IB
Diesel
mo1
JetA
G/D HCID S
M HCID S

LCS/ICV

N/A

	Time	Filename	LabID	ClientId	DF		Time	Filename	LabID	ClientId	DF
1	0633	0731a001.d	DCM RINSE		1	3	2009	0731a023.d	JO97G	SW-7	1
2	0706	0731a002.d	RT		1	4	2025	0731a024.d	RINSE		1
3	0723	0731a003.d	IB		1	5	2040	0731a025.d	JETA #2	MOTIVA	1
4	0740	0731a004.d	G/D HCID S		1	6	2056	0731a026.d	DIESEL#2	MOTIVA	1
5	0757	0731a005.d	M HCID S		1	7	2111	0731a027.d	MOIL#2	MOTIVA	1
6	0814	0731a006.d	JQ80MBS1		1	8	2127	0731a028.d	JO98A	SW-1	1
7	0831	0731a007.d	JQ80A		1	9	2142	0731a029.d	JO98B	SW-2	1
8	0849	0731a008.d	JQ80A DUP		1	10	2158	0731a030.d	JO98C	SW-3	1
9	1632	0731a009.d	DCM RINSE		1	31	2213	0731a031.d	JO98D	SW-4	1
10	1647	0731a010.d	RT	RT	1	32	2229	0731a032.d	JO98DMS	SW-4 MS	1
11	1703	0731a011.d	IB	IB	1	33	2244	0731a033.d	JO98DMSD	SW-4 MSD	1
12	1718	0731a012.d	JETA #1	MOTIVA	1	34	2300	0731a034.d	JO98E	SW-5	1
13	1734	0731a013.d	DIESEL#1	MOTIVA	1	35	2315	0731a035.d	JO98F	SW-6	1
14	1749	0731a014.d	MOIL#1	MOTIVA	1	36	2331	0731a036.d	JO98G	SW-7	1
15	1805	0731a015.d	JO97MBW1	JO97MBW1	1	37	2346	0731a037.d	RINSE		1
16	1820	0731a016.d	JO97LCSW1	JO97LCSW1	1	38	0001	0731a038.d	JETA #3		1
17	1836	0731a017.d	JO97A	SW-1	1	39	0017	0731a039.d	DIESEL#3	MOTIVA	1
18	1852	0731a018.d	JO97B	SW-2	1	40	0032	0731a040.d	MOIL#3	MOTIVA	1
19	1907	0731a019.d	JO97C	SW-3	1	41	0048	0731a041.d	JQ52MBS1	JQ52MBS1	1
20	1923	0731a020.d	JO97D	SW-4	1	42	0103	0731a042.d	JQ52LCSS1	JQ52LCSS1	1
21	1938	0731a021.d	JO97E	SW-5	1	43	0119	0731a043.d	JQ52A	T4-S3-02-F-DUP	
22	1954	0731a022.d	JO97F	SW-6	1	44	0134	0731a044.d	JQ52AMS	T4-S3-02-F-DUP MS	
						45	0149	0731a045.d	JQ52AMSD	T4-S3-02-F-DUP MS	

JR 08/02/06

Maintenance / Comments

cals pass

cont. on next page

JR 08/02/06

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

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

FID-3A Serial No.: US00003232

Date:_____ Analysis:_____ Analyst:_____

GC Program:_____ Column No:_____ Column Type:_____

Instrument Tune (.U or .CT.):_____ EM Voltage:_____

Calibration File:_____ Curve Date:_____

cont. from previous page JR 08/02/06

IS/SS	Ical/Ccal	LCS/ICV

	Time	Filename	LabID	ClientId	DF
46	0205	0731a046.d	JQ52B	T4-S3-03-C-DUP	1
47	0220	0731a047.d	JQ52C	T4-B414-02-A-DUP	1
48	0236	0731a048.d	JQ52D	T4-S3-08-C-DUP	1
49	0251	0731a049.d	JQ39A	T.B. 5-7 W.WALL	1
50	0306	0731a050.d	RINSE		1
51	0322	0731a051.d	JETA #4		1
52	0337	0731a052.d	DIESEL#4		1
53	0352	0731a053.d	MOIL#4		1
54	0408	0731a054.d	JQ39B	T.B. 5-7 E.WALL	
55	0423	0731a055.d	JQ39C	T.B. 5-7 BOTTOM	
56	0438	0731a056.d	JQ39C DUP	T.B. 5-7 BOTTOM D	
57	0454	0731a057.d	JQ39D	T.B. 8 N.WALL	1
58	0509	0731a058.d	JQ39E	T.B. 9/10 N.WALL	
59	0524	0731a059.d	JQ39F	T.B. 9/10 E.WALL	
60	0539	0731a060.d	JQ39G	T.B. 9/10 S.WALL	
61	0555	0731a061.d	JQ39H	T.B. 9/10 W.WALL	
62	0610	0731a062.d	JQ39I	SWPI @3'	1
63	0625	0731a063.d	RINSE		1
64	0641	0731a064.d	JETA #5		1
65	0656	0731a065.d	DIESEL#5		1
66	0711	0731a066.d	MOIL#5		1
67	0727	0731a067.d	JQ52A	T4-S3-02-F-DUP	
68	0742	0731a068.d	JQ52AMS	T4-S3-02-F-DUP MS	
69	0757	0731a069.d	JQ52AMSD	T4-S3-02-F-DUP MSI	
70	0812	0731a070.d	JQ39D	T.B. 8 N.WALL	10
71	0828	0731a071.d	RINSE		1
72	0843	0731a072.d	JETA #6		1
73	0858	0731a073.d	DIESEL#6		1
74	0914	0731a074.d	MOIL#6		1

JR 08/02/06

Maintenance / Comments

cals pass

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

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

Metals Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

Cover Page

INORGANIC ANALYSIS DATA PACKAGE

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

CLIENT ID	ARI ID	ARI LIMS ID	REPREP
T4-S3-02-F-DUP	JQ52A	06-13102	
T4-S3-02-F-DUPD	JQ52ADUP	06-13102	
T4-S3-02-F-DUPS	JQ52ASPK	06-13102	
T4-S3-03-C-DUP	JQ52B	06-13103	
PBS	JQ52MB1	06-13103	
LCSS	JQ52MB1SPK	06-13103	
T4-B414-02-A-DUP	JQ52C	06-13104	
T4-S3-08-C-DUP	JQ52D	06-13114	
T4-S3-02-F-DUP	JQ52RA	06-13102	R
T4-S3-02-F-DUPD	JQ52RADUP	06-13102	R
T4-S3-02-F-DUPS	JQ52RASPK	06-13102	R
T4-S3-03-C-DUP	JQ52RB	06-13103	R
PBS	JQ52RMB1	06-13103	R
LCSS	JQ52RMB1SPK	06-13103	R
T4-B414-02-A-DUP	JQ52RC	06-13104	R
T4-S3-08-C-DUP	JQ52RD	06-13114	R

Were ICP interelement corrections applied ?	Yes/No	YES
Were ICP background corrections applied ?	Yes/No	YES
If yes - were raw data generated before application of background corrections ?	Yes/No	NO

Comments: _____

THIS DATA PACKAGE HAS BEEN REVIEWED AND AUTHORIZED FOR RELEASE BY:

Signature: _____ Name: Jenifer Bouldron

Date: 8/8/14 Title: Metals Supervisor

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-02-F-DUP
DUPLICATE

Lab Sample ID: JQ52A
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	713	651	9.1%	+/- 20%	
Zinc	6010B	708	635	10.9%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-02-F-DUP
MATRIX SPIKE

Lab Sample ID: JQ52A
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Lead	6010B	713	1,010	356	83.4%	
Zinc	6010B	708	751	88.9	48.4%	H

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: JQ52MB
LIMS ID: 06-13103
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	7439-92-1	Lead	2	2	U
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	0.6	**2.0**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: JQ52LCS
LIMS ID: 06-13103
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Lead	6010B	212	200	106%	
Zinc	6010B	52.7	50.0	105%	

Reported in mg/kg-dry

N-Control limit not met
Control Limits: 80-120%

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

UNITS: ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Lead	PB	ICP	IP080721	2000.0	1958.84	97.9	2000.0	2014.25	100.7	1985.66	99.3	2016.73	100.8	2005.01	100.3	2027.79	101.4
Zinc	ZN	ICP	IP080721	1000.0	1042.11	104.2	1000.0	1000.51	100.1	1009.59	101.0	1035.69	103.6	1032.24	103.2	1030.70	103.1

0722

Control Limits: Mercury 80-120; Other Metals 90-110

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

UNITS: ug/L

ANALYTE	EL	M	RUN	CCVTV	CCV6	%R	CCV7	%R	CCV8	%R	CCV9	%R	CCV10	%R	CCV11	%R
Lead	PB	ICP	IP080721	2000.0	1990.97	99.5	2022.27	101.1	1971.30	98.6	1968.37	98.4	1984.47	99.2		
Zinc	ZN	ICP	IP080721	1000.0	1007.98	100.8	1114.19	111.4	1055.02	105.5	1072.69	107.3	1051.59	105.2		

0723

Control Limits: Mercury 80-120; Other Metals 90-110

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

UNITS: ug/L

ANALYTE	EL	M	RUN	CRA/I	TV	CR-1	%R	CR-2	%R	CR-3	%R	CR-4	%R	CR-5	%R	CR-6	%R
Lead	PB	ICP	IP080721		20.0	22.63	**113.2**	22.04	**110.2**								
Zinc	ZN	ICP	IP080721		6.0	5.80	**96.7**	8.94	**149.0**								

0724

Control Limits: no control limits have been established by the EPA at this time.

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

UNITS: ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Lead	PB	ICP	IP080721	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U
Zinc	ZN	ICP	IP080721	20.0	6.0	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U

0725

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	CCB6	C	CCB7	C	CCB8	C	CCB9	C	CCB10	C	CCB11	C
Lead	PB	ICP	IP080721	3.0	20.0	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U		
Zinc	ZN	ICP	IP080721	20.0	6.0	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U		

0726

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

ICS SOURCE: I.V.

RUNID: IP080721

INSTRUMENT ID: OPTIMA ICP 1

UNITS: ug/L

ANALYTE	ICSA TV	ICSAB TV	ICSA1	ICSAB1	%R	ICSA2	ICSAB2	%R	ICSA3	ICSAB3	%R
Aluminum	200000	200000	203554.6	202971.3	**101.5**	204465.6	204756.1	**102.4**			
Antimony		1000	19.6	1103.8	**110.4**	25.1	1081.6	**108.2**			
Arsenic		1000	20.4	1052.2	**105.2**	19.1	1056.5	**105.7**			
Barium		1000	0.4	1009.8	**101.0**	1.0	1029.8	**103.0**			
Beryllium		1000	0.0	1028.8	**102.9**	0.0	1020.4	**102.0**			
Boron			-2.0	-3.9		0.0	-0.3				
Cadmium		1000	-0.8	1047.0	**104.7**	-0.8	1042.9	**104.3**			
Calcium	100000	100000	100382.1	99875.4	**99.9**	99103.5	99296.0	**99.3**			
Chromium		1000	0.6	985.2	**98.5**	0.6	990.0	**99.0**			
Cobalt		1000	-1.9	979.9	**98.0**	-1.9	980.8	**98.1**			
Copper		1000	1.2	1092.4	**109.2**	0.1	1083.7	**108.4**			
Iron	200000	200000	201676.8	200395.2	**100.2**	200034.3	197671.6	**98.8**			
Lead		1000	14.3	987.4	**98.7**	13.5	968.9	**96.9**			
Magnesium	100000	100000	102610.3	101660.2	**101.7**	103632.9	103105.9	**103.1**			
Manganese		1000	0.2	966.1	**96.6**	0.0	984.4	**98.4**			
Molybdenum			5.9	6.0		6.3	5.6				
Nickel		1000	-5.9	977.6	**97.8**	-2.1	996.8	**99.7**			
Potassium			71.4	197.7		174.8	131.4				
Selenium		1000	-74.3	956.2	**95.6**	-74.9	960.5	**96.1**			
Silicon			-20.8	-32.8		-11.2	-23.2				
Silver		1000	-1.5	1039.6	**104.0**	-1.3	1036.3	**103.6**			
Sodium			26.3	29.8		409.4	326.2				
Strontium			1.2	1.3		1.3	1.4				
Thallium		1000	-27.1	948.4	**94.8**	-28.8	944.8	**94.5**			
Tin			-3.4	-4.0		-7.0	-5.3				
Titanium			6.0	12.6		6.8	13.0				
Vanadium		1000	2.2	1060.7	**106.1**	2.2	1057.8	**105.8**			
Zinc		1000	-1.7	975.1	**97.5**	-2.4	997.9	**99.8**			

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IDLs and ICP Linear Ranges

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

IDL DATE: 6/1/2006

PROJECT: T4 EARLY ACTION

ICP LR DATE: 6/19/2006

SDG: JQ52

UNITS: ug/L

ANALYTE	EL	METH	INSTRUMENT	WAVELENTH (nm)	GFA BACK-GROUND	CLP CRDL	RL	ICP LINEAR RANGE (ug/L)
Lead	PB	ICP	OPTIMA ICP 1	220.35		3	20.0	300000.0
Zinc	ZN	ICP	OPTIMA ICP 1	206.20		20	6.0	100000.0

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

IEC DATE: 6/19/2006

SDG: JQ52

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	AL	AS	BA	BE	CA	CD	CO	CR	CU	FE
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	16.2100000	0.0000000	0.0000000
Arsenic	188.98	0.0899919	0.0000000	0.1533550	0.0000000	0.0557918	0.0000000	0.0000000	0.3754730	0.3209290	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2555740	0.0000000	0.0000000	0.0719803
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.80	0.0000000	1.3822800	0.0463102	0.0000000	0.0000000	0.0000000	0.1963220	0.0000000	0.0000000	0.0100886
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0838568
Cobalt	228.62	-0.0170392	0.0000000	0.2412880	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0234430
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.2000560	-0.0393520	0.0000000	-0.0946918
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.7498730	0.0000000	0.0000000
Lead	220.35	-0.1925250	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.1485420	-1.6563300	0.6048040	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-1.3145300	-0.8640350	0.0000000	0.7372390
Manganese	257.61	0.0072299	0.0000000	0.0000000	0.0000000	0.0055500	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0221489	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-2.0980400	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.0415558
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	8.9586100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	3.5279800	0.3870280	0.0000000	0.0000000
Tin	189.93	0.0000000	0.0000000	0.0000000	0.0000000	-0.1774780	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.2123760	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-7.0582400	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	-0.0129802	0.3119720	0.0000000	0.3266740	0.0000000	0.0266652

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ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

IEC DATE: 6/19/2006

INSTRUMENT ID: OPTIMA ICP 1

ANALYTE	WAVELENGTH	MG	MN	MO	NI	PB	SB	TI	TL	V	ZN
Aluminum	308.22	0.0000000	0.0000000	19.6878000	0.0000000	0.0000000	0.0000000	0.7151350	0.0000000	16.7609000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.3295220	0.0000000	0.0000000	-0.8642410	0.0000000	-3.4575900	0.0000000
Arsenic	188.98	0.0000000	0.0000000	0.9150530	0.0000000	0.0000000	0.0000000	2.5519000	0.0000000	0.0000000	0.1492760
Barium	233.53	0.0000000	0.0000000	0.0000000	0.1240640	0.0000000	0.0000000	0.0000000	0.0000000	0.4604860	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.5675800	0.0000000
Cadmium	228.80	0.0000000	0.0000000	0.0000000	-0.2000800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.1529370	0.5096240	0.1429920	0.0000000	0.0000000	0.0000000	0.0965822	0.0000000	0.1796520	0.0000000
Cobalt	228.62	0.0000000	0.0000000	-0.3795350	0.0320069	0.0000000	0.0000000	1.7290300	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0085698	0.0000000	0.7344770	0.0000000	0.0000000	0.0000000	0.2196270	0.0000000	0.0000000	0.0000000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.7593200	0.0000000
Lead	220.35	0.0000000	0.0000000	-0.3190660	-0.1742160	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-3.2635900	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0170007	0.0000000	0.0000000	0.0000000	-0.2391890	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0236906	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.5765410	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	1.1348600	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.1621690	0.1065380	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3119270	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	250.8830000	0.0000000	0.0000000	252.0990000
Thallium	190.80	0.0000000	0.0000000	-3.5954300	0.0000000	0.0000000	0.0000000	0.8751120	0.0000000	2.2588300	0.0000000
Tin	189.93	0.0270703	0.0000000	0.0000000	0.0000000	-0.0530103	-1.8271700	0.1974990	0.0000000	0.0000000	0.0000000
Titanium	334.90	0.0000000	0.0000000	1.0370700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.1494890	-0.7380980	0.0000000	0.0000000	0.0000000	0.4684280	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.3271770	0.0000000	-0.0935990	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 7/28/2006

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
T4-S3-02-F-DUP	JQ52A	1.022	0.0	50.0
T4-S3-02-F-DUPD	JQ52ADUP	1.024	0.0	50.0
T4-S3-02-F-DUPS	JQ52ASPK	1.021	0.0	50.0
T4-S3-03-C-DUP	JQ52B	1.068	0.0	50.0
T4-B414-02-A-DUP	JQ52C	1.092	0.0	50.0
T4-S3-08-C-DUP	JQ52D	1.023	0.0	50.0
PBS	JQ52MB1	1.000	0.0	50.0
LCSS	JQ52MB1SPK	1.000	0.0	50.0

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ52

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 8/7/2006

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
T4-S3-02-F-DUP	JQ52RA	1.026	0.0	50.0
T4-S3-02-F-DUPD	JQ52RADUP	1.026	0.0	50.0
T4-S3-02-F-DUPS	JQ52RASPK	1.029	0.0	50.0
T4-S3-03-C-DUP	JQ52RB	1.084	0.0	50.0
T4-B414-02-A-DUP	JQ52RC	1.053	0.0	50.0
T4-S3-08-C-DUP	JQ52RD	1.027	0.0	50.0
PBS	JQ52RMB1	1.000	0.0	50.0
LCSS	JQ52RMB1SPK	1.000	0.0	50.0

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/7/2006

SDG: JQ52 | RUNID: IP080721 | METHOD: ICP | END DATE: 8/7/2006

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
S0	S0	1.00	10450																					X									X
S0	S0	1.00	10514																					X									X
S2	S2	1.00	10580																														
S3	S3	1.00	11022																					X									X
S4	S4	1.00	11070																														
S5	S5	1.00	11114																														
ZZZZZZ	ZZZZZZ	1.00	11314																														
ICV	ICV	1.00	11385																					X									X
ICB	ICB	1.00	11451																					X									X
CRI	CRII	1.00	11513																					X									X
ICSA	ICSAI	1.00	11575																					X									X
ICSAB	ICSABI	1.00	12042																					X									X
CCV	CCV1	1.00	12104																					X									X
CCB	CCB1	1.00	12170																					X									X
ZZZZZZ	JP87MB2	1.00	12221																														
ZZZZZZ	JP87A	1.00	12283																														
ZZZZZZ	JP87B	1.00	12351																														
ZZZZZZ	JP87AF	1.00	12415																														
ZZZZZZ	JP87R	1.00	12483																														
CCV	CCV2	1.00	12545																					X									X
CCB	CCB2	1.00	13010																					X									X
ZZZZZZ	JQ77MB	2.00	13073																														
ZZZZZZ	JR76MB	1.00	13135																														
ZZZZZZ	JR76A	1.00	13201																														
ZZZZZZ	JQ77E	2.00	13265																														
ZZZZZZ	JQ77F	2.00	13332																														
ZZZZZZ	JQ77G	2.00	13394																														
ZZZZZZ	JQ77H	2.00	13460																														
ZZZZZZ	JQ77I	2.00	13522																														
ZZZZZZ	JQ77REF	2.00	13585																														
ZZZZZZ	JR76MBSPK	1.00	14050																														
CCV	CCV3	1.00	14113																					X									X
CCB	CCB3	1.00	14175																					X									X
ZZZZZZ	JQ35RMB1	2.00	14224																														
ZZZZZZ	JQ35RADUP	2.00	14291																														

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/7/2006

SDG: JQ52 | RUNID: IP080721 | METHOD: ICP | END DATE: 8/7/2006

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
ZZZZZZ	JQ35RA	2.00	14352																														
ZZZZZZ	JQ35RASPK	2.00	14413																														
T4-S3-03-C-DUP	JQ52RB	2.00	14475																					X									X
T4-B414-02-A-DUP	JQ52RC	2.00	14540																					X									X
T4-S3-02-F-DUPS	JQ52RASPK	2.00	15001																					X									X
T4-S3-02-F-DUP	JQ52RA	2.00	15063																					X									X
T4-S3-02-F-DUPD	JQ52RADUP	2.00	15124																					X									X
ZZZZZZ	JQ35RMB1SPK	2.00	15190																														
CCV	CCV4	1.00	15252																					X									X
CCB	CCB4	1.00	15314																					X									X
PBS	JQ52RMB1	2.00	15380																					X									X
T4-S3-08-C-DUP	JQ52RD	2.00	15442																					X									X
ZZZZZZ	JR75A	2.00	15504																														
ZZZZZZ	JR75B	2.00	15565																														
ZZZZZZ	JR75C	2.00	16032																														
ZZZZZZ	JR75D	2.00	16095																														
ZZZZZZ	JR75E	2.00	16160																														
ZZZZZZ	JR75F	2.00	16223																														
ZZZZZZ	JR75G	2.00	16291																														
LCSS	JQ52RMB1SPK	2.00	16354																														
CCV	CCV5	1.00	16420																					X									X
CCB	CCB5	1.00	16483																					X									X
ZZZZZZ	JQ77MB	2.00	16545																														
ZZZZZZ	JR75MB	2.00	17011																														
ZZZZZZ	JR75H	2.00	17074																														
ZZZZZZ	JR75I	2.00	17140																														
ZZZZZZ	JR75J	2.00	17202																														
ZZZZZZ	JR75K	2.00	17264																														
ZZZZZZ	JR75L	2.00	17330																														
ZZZZZZ	JR75M	2.00	17391																														
ZZZZZZ	JR75N	2.00	17453																														
ZZZZZZ	JR75REF	2.00	17514																														
CCV	CCV6	1.00	17580																					X									X
CCB	CCB6	1.00	18041																					X									X
ZZZZZZ	JQ35RMB1	2.00	18103																														

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/7/2006

SDG: JQ52 | RUNID: IP080721 | METHOD: ICP | END DATE: 8/7/2006

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
ZZZZZZ	JR24B	1.00	18170																														
ZZZZZZ	JR24C	1.00	18234																														
ZZZZZZ	JR24D	1.00	18302																														
ZZZZZZ	JQ35RADUP	2.00	18371																														
ZZZZZZ	JQ35RA	2.00	18432																														
ZZZZZZ	JQ35RASPK	2.00	18494																														
T4-S3-02-F-DUPS	JQ52RASPK	2.00	18555																														
T4-S3-02-F-DUP	JQ52RA	2.00	19021																														
T4-S3-02-F-DUPD	JQ52RADUP	2.00	19082																														
CCV	CCV7	1.00	19144																					X									X
CCB	CCB7	1.00	19205																					X									X
ZZZZZZ	JR24MB1	1.00	19271																														
ZZZZZZ	ZZZZZZ	5.00	19333																														
ZZZZZZ	JR24A	1.00	19400																														
ZZZZZZ	JR24ADUP	1.00	19464																														
ZZZZZZ	JR24ASPK	1.00	19532																														
ZZZZZZ	JR24F	1.00	19595																														
ZZZZZZ	JR24G	1.00	20063																														
ZZZZZZ	JR24H	1.00	20132																														
ZZZZZZ	JR24I	1.00	20200																														
ZZZZZZ	JR24MB1SPK	1.00	20264																														
CCV	CCV8	1.00	20331																					X									X
CCB	CCB8	1.00	20393																					X									X
CRI	CRIF	1.00	20455																					X									X
ICSA	ICSAF	1.00	20522																					X									X
ICSAB	ICSABF	1.00	20584																					X									X
CCV	CCV9	1.00	21051																					X									X
CCB	CCB9	1.00	21112																					X									X
PBS	JQ52RMB1	2.00	21175																														
ZZZZZZ	JR75I	2.00	21241																														
ZZZZZZ	JR75A	2.00	21302																														
ZZZZZZ	JR75B	2.00	21364																														
ZZZZZZ	JR75E	2.00	21430																														
LCSS	JQ52RMB1SPK	2.00	21493																					X									X
CCV	CCV10	1.00	21555																					X									X

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/7/2006

SDG: JQ52 | RUNID: IP080721 | METHOD: ICP | END DATE: 8/7/2006

CLIENT ID	ARI ID	DIL.	TIME	%R	AG	AL	AS	B	BA	BE	CA	CD	CO	CR	CU	FE	HG	K	MG	MN	MO	NA	NI	PB	SB	SE	SI	SN	TI	TL	U	V	ZN
CCB	CCB10	1.00	22022																					X									X

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Metals Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-02-F-DUP
SAMPLE

Lab Sample ID: JQ52A
LIMS ID: 06-13102
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Percent Total Solids: 54.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	**7439-92-1**	**Lead**	4	**713**	
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	1	**708**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-03-C-DUP
SAMPLE

Lab Sample ID: JQ52B
LIMS ID: 06-13103
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 60.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	**7439-92-1**	**Lead**	3	**432**	
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	0.9	**524**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-B414-02-A-DUP
SAMPLE

Lab Sample ID: JQ52C
LIMS ID: 06-13104
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 50.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	**7439-92-1**	**Lead**	4	**149**	
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	1	**180**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: T4-S3-08-C-DUP
SAMPLE

Lab Sample ID: JQ52D
LIMS ID: 06-13114
Matrix: Sediment
Data Release Authorized:
Reported: 08/08/06

QC Report No: JQ52-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Percent Total Solids: 81.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	08/07/06	6010B	08/07/06	**7439-92-1**	**Lead**	2	**12**	
3050B	08/07/06	6010B	08/07/06	**7440-66-6**	**Zinc**	0.7	**69.6**	

U-Analyte undetected at given RL
RL-Reporting Limit

Metals Analysis
Instrument Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

OPTIMA ICP SAMPLE RUN LOG

IEC Date: 6.19.06 Analysis Date: 8.7.06 Analyst: BW

LR Date: 6.19.06 Page: 1 of 5

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		Std 1			new SC 2290-10
		2			2293-1
		3			-2
		4			-3
		5			-4
label		zzzzzz			tubing loose 2291-9
		ICV			
		ICB			
		CRI			
		ICSA			
		ICSAB			
		CCV1			
		CCB1			
	✓	JP87 MB2	WMN		PE
		A			
		B			
		AF			
		R			SERM B C.D.
		CCV2			
		CCB2			B high
	✓	JQ77 MB	SLX	2	Zn .007 SERM
		JR76 MB	WMN		
		A			
		JQ77E	SLC	2	
		F			

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.7.06 Analyst: BLW

LR Date: — Page: 2 of 5

All corrections made by analyst unless otherwise noted. 8.7.06 BLW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		JQ77G	SWC	2	
		H			
		I			
		Ref			
		~~SB~~ JR76MBsplk	WHN		0.08ml ICPspk / 8ml
		CCV3			
		CCB3			
		JQ35RMB1	SWC	2	Zn .024
		Adup			
		A			
		Aspk			Zn 132% CAF
		JQ52R B			
		C			
label		Adupspk			noisy - ~~Perm~~ CAF Zn 48%
		A			
label		Aspk dup			
		JQ35RMB1spk			
		CCV4			
		CCB4			
		JQ52R MB1	SWC	2	Zn .02
		D			
	✓	JR75 A			noisy Perm
	✓	B			noisy
		C			

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.7.06 Analyst: BW

LR Date: — Page: 3 of 5

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		JR75 D	SWC	2	
	✓	E			noisy
		F			
		G			
	✓	JQ52R MB1			noisy
		CCV5			
		CCB5			
		JQ77 MB	SWC	2	
		JR75 MB			
		H			
	✓	I			noisy rerun
		J			
	✓	K			noisy rerun
		L			
		M			
		N			
		Ref		✓	
		CCV6			
		CCB6			
	✓	JQ35R MB1	SWC	2	Cl out (Zn) Zn .027 - confirms
		JR24 B	TWC		
		C			
		D			Mg high - rerun 1/2
	✓	JQ35R Adup	SWC	2	

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.7.06 Analyst: BLW

LR Date: — Page: 4 of 5

All corrections made by analyst unless otherwise noted. 8.8.06 BLW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
	✓	JR35R A	SWC	2	CWout(Zn)
		↓ ASdi			Zn 161%
label		JR52R ADupSPK			Zn 43%
		A			
label		↓ ASdi DUP			
		CCV7			Zn high
		CCB7			
	✓	JR24 MB1	TWC		Zn .005 CWout(Zn)
label		ZZZZZZ		5	
		JR24 A	TWC		
		ADup			
		ASdi			
		F			
		G			
		H			
		I			Mg high
		MB1SPK			
		CCV8			
		CCB8			Na C.O.
		CRI			
		ICSA			
		ICSAB			
		CCV9			
		CCB9			

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.8.06 Analyst: BW

LR Date: — Page: 5 of 5

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
	✓	JQ52R MB1	SWC	2	Zn .017 confirms prev.
label		JR75 I	↓	↓	
		↓ A			
		B			
		↓ E			
		JQ52R MB1sgh	↓	↓ ✓	
		CCV 10			
		CCB10			
			BW	8.8	

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: ICP ICP-MS GFA CVA **Analysis Date:** 8.7.06

	Analyst BW 8.8	Peer AE-8	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	see log
ICB/CCB	✓	✓	↓
Samples:			
RSD's & SD's	✓	✓	see log
Internal Standards	✓	✓	
Carry-over	✓	✓	see log
Method QC:			
CRI/CRA	✓	✓	
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	—	—	
Analytic Spikes	—	—	
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	JQ35R JQ52R
Matrix Duplicates	✓	✓	
Method Blanks	✓	✓	JQ35R JQ52R
Data Distribution:			
Requested elements/isotope identified	✓	✓	
Correct samples identified for distribution	✓	✓	
Raw data match distributed data	✓	✓	
Data filename correct	✓	✓	
Necessary Analysts Notes and CAF's	✓	✓	JQ35R JQ52R

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

==========

8/7/2006 10:43:21 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.001 Slit adjustment: -2

==========

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Analysis Begun

Start Time: 8/7/2006 10:44:59 AM **Plasma On Time: 8/7/2006 9:54:30 AM**
Logged In Analyst: metals **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

Method Loaded
Method Name: ARIIEC5 **Method Last Saved: 6/20/2006 9:43:41 AM**
IEC File: IEC28.iec **MSF File:**
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Calib Blank 1 **Date Collected: 8/7/2006 10:45:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1594693.4	8984.49	0.56%	100.0	%
ScR 361.383	207674.2	1129.74	0.54%	100.0	%
Ag 328.068†	675.0	92.74	13.74%	[0.00]	mg/L
Al 308.215†	-213.2	26.79	12.57%	[0.00]	mg/L
As 188.979†	23.3	3.96	17.02%	[0.00]	mg/L
B 249.677†	-13.9	9.23	66.33%	[0.00]	mg/L
Ba 233.527†	28.8	4.32	15.02%	[0.00]	mg/L
Be 313.042†	1276.7	25.52	2.00%	[0.00]	mg/L
Ca 317.933†	198.7	44.73	22.52%	[0.00]	mg/L
Cd 228.802†	137.6	1.55	1.13%	[0.00]	mg/L
Co 228.616†	27.6	2.57	9.30%	[0.00]	mg/L
Cr 267.716†	47.9	4.79	9.98%	[0.00]	mg/L
Cu 324.752†	3564.5	58.26	1.63%	[0.00]	mg/L
Fe 273.955†	-34.4	1.20	3.49%	[0.00]	mg/L
K 766.490†	2115.3	130.45	6.17%	[0.00]	mg/L
Mg 279.077†	-100.6	16.94	16.83%	[0.00]	mg/L
Mn 257.610†	133.9	6.37	4.76%	[0.00]	mg/L
Mo 202.031†	-38.5	4.77	12.39%	[0.00]	mg/L
Na 589.592†	-266.4	27.17	10.20%	[0.00]	mg/L
Na 330.237†	-139.8	4.57	3.27%	[0.00]	mg/L
Ni 231.604†	2.5	1.67	66.83%	[0.00]	mg/L
Pb 220.353†	149.2	4.55	3.05%	[0.00]	mg/L
Sb 206.836†	14.8	3.23	21.83%	[0.00]	mg/L
Se 196.026†	-90.5	7.88	8.71%	[0.00]	mg/L
Si 288.158†	-74.7	1.67	2.23%	[0.00]	mg/L
Sn 189.927†	12.6	4.46	35.24%	[0.00]	mg/L
Sr 421.552†	-976.5	15.84	1.62%	[0.00]	mg/L
Ti 334.903†	-164.9	25.07	15.20%	[0.00]	mg/L
Tl 190.801†	-9.7	1.41	14.59%	[0.00]	mg/L
V 292.402†	-89.9	42.15	46.87%	[0.00]	mg/L
Zn 206.200†	1.2	1.61	139.81%	[0.00]	mg/L

Sc 2292-5

Analysis Begun

Start Time: 8/7/2006 10:51:46 AM
Plasma On Time: 8/7/2006 9:54:30 AM
Logged In Analyst: metals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calib Blank 1
Date Collected: 8/7/2006 10:51:46 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1620025.0	10382.61	0.64%	100.0	%
ScR 361.383	203060.9	1275.48	0.63%	100.0	%
Ag 328.068†	686.6	14.66	2.14%	[0.00]	mg/L
Al 308.215†	-189.5	21.27	11.23%	[0.00]	mg/L
As 188.979†	21.6	1.05	4.86%	[0.00]	mg/L
B 249.677†	-13.8	5.40	39.20%	[0.00]	mg/L
Ba 233.527†	28.9	2.22	7.67%	[0.00]	mg/L
Be 313.042†	1222.4	3.54	0.29%	[0.00]	mg/L
Ca 317.933†	177.6	8.44	4.75%	[0.00]	mg/L
Cd 228.802†	140.5	2.78	1.98%	[0.00]	mg/L
Co 228.616†	23.8	2.76	11.58%	[0.00]	mg/L
Cr 267.716†	38.4	4.34	11.32%	[0.00]	mg/L
Cu 324.752†	3480.0	38.06	1.09%	[0.00]	mg/L
Fe 273.955†	-32.2	2.43	7.56%	[0.00]	mg/L
K 766.490†	2122.2	38.62	1.82%	[0.00]	mg/L
Mg 279.077†	-96.6	21.95	22.72%	[0.00]	mg/L
Mn 257.610†	130.7	0.64	0.49%	[0.00]	mg/L
Mo 202.031†	-39.8	1.82	4.58%	[0.00]	mg/L
Na 589.592†	-242.9	32.02	13.18%	[0.00]	mg/L
Na 330.237†	-149.6	4.44	2.97%	[0.00]	mg/L
Ni 231.604†	7.6	9.97	130.85%	[0.00]	mg/L
Pb 220.353†	150.1	6.82	4.54%	[0.00]	mg/L
Sb 206.836†	13.8	2.04	14.81%	[0.00]	mg/L
Se 196.026†	-87.9	5.55	6.31%	[0.00]	mg/L
Si 288.158†	-75.7	7.79	10.29%	[0.00]	mg/L
Sn 189.927†	13.9	3.47	25.02%	[0.00]	mg/L
Sr 421.552†	-949.3	17.61	1.86%	[0.00]	mg/L
Ti 334.903†	-201.4	8.67	4.31%	[0.00]	mg/L
Tl 190.801†	-10.3	4.16	40.48%	[0.00]	mg/L
V 292.402†	-123.7	27.64	22.34%	[0.00]	mg/L
Zn 206.200†	-0.2	1.72	>999.9%	[0.00]	mg/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 8/7/2006 10:58:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1612671.3	8016.36	0.50%	99.55	%
ScR 361.383	206900.3	2242.64	1.08%	101.9	%
Ba 233.527†	33394.6	122.52	0.37%	[10]	mg/L
Cd 228.802†	311960.1	1263.39	0.40%	[10]	mg/L
Co 228.616†	349610.5	2199.81	0.63%	[10]	mg/L
Cr 267.716†	82771.7	366.83	0.44%	[10]	mg/L
Cu 324.752†	2617366.8	11721.14	0.45%	[10]	mg/L
Mn 257.610†	286289.0	1201.25	0.42%	[10]	mg/L
V 292.402†	2668016.8	12221.26	0.46%	[10]	mg/L

Sequence No.: 3
Sample ID: STD3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/7/2006 11:02:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1591310.1	10377.38	0.65%	98.23	%
ScR 361.383	206859.0	903.70	0.44%	101.9	%
Ag 328.068†	293088.8	959.42	0.33%	[1.0]	mg/L
As 188.979†	9138.7	45.37	0.50%	[10]	mg/L
B 249.677†	30204.0	190.31	0.63%	[10]	mg/L
Be 313.042†	3168844.4	6798.17	0.21%	[5.0]	mg/L
Na 589.592†	323669.9	464.53	0.14%	[50]	mg/L
Ni 231.604†	19830.9	90.04	0.45%	[10]	mg/L
Pb 220.353†	86371.3	252.11	0.29%	[10]	mg/L
Se 196.026†	12888.6	56.61	0.44%	[10]	mg/L
Sr 421.552†	3622592.7	4853.98	0.13%	[5]	mg/L
Tl 190.801†	10732.3	81.20	0.76%	[10]	mg/L
Zn 206.200†	10066.9	86.78	0.86%	[10]	mg/L

Sequence No.: 4
Sample ID: STD4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/7/2006 11:07:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1619740.8	10286.66	0.64%	99.98	%
ScR 361.383	212645.4	1441.71	0.68%	104.7	%
Mo 202.031†	99603.9	755.80	0.76%	[10]	mg/L
Sb 206.836†	10545.4	95.11	0.90%	[10]	mg/L
Si 288.158†	14501.7	61.85	0.43%	[10]	mg/L
Sn 189.927†	42637.4	207.08	0.49%	[10]	mg/L
Ti 334.903†	263496.5	1974.94	0.75%	[10]	mg/L

Sequence No.: 5
Sample ID: STD5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/7/2006 11:11:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1537889.9	5213.34	0.34%	94.93	%
ScR 361.383	207042.8	1279.80	0.62%	102.0	%
Al 308.215†	41279.7	165.92	0.40%	[30]	mg/L
Ca 317.933†	643574.7	2077.04	0.32%	[30]	mg/L
Fe 273.955†	99912.7	284.94	0.29%	[100]	mg/L
K 766.490†	139653.7	307.59	0.22%	[100]	mg/L
Mg 279.077†	44524.6	127.50	0.29%	[30]	mg/L
Na 330.237†	3003.7	26.64	0.89%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	293100	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1376	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	913.9	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	3020	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	3339	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	633800	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	21450	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	31200	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	34960	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	8277	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	261700	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	999.1	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1397	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1484	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	28630	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	9960	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	6473	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	30.04	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1983	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	8637	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	1055	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1289	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1450	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	4264	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	724500	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	26350	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1073	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	266800	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	1007	0.00000	1.000000	

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

8/7/2006 11:31:38 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Analysis Begun

Start Time: 8/7/2006 11:31:48 AM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 8/7/2006 9:54:30 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: ~~CV~~ ZZZZZ
Analyst:
Initial Sample Wt: RW
Dilution: 1X 8.7

Autosampler Location: 7
Date Collected: 8/7/2006 11:31:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	158.0 kPa	0.50 L/min

tubing 10/08

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	3743.8	0.2311	%	0.00323				1.40%
ScR 361.383	44.5	0.02194	%	0.000328				1.50%
Ag 328.068†	-29113.8	-0.1010	mg/L	0.02001	-0.1010	mg/L	0.02001	19.81%
Al 308.215†	-218296.6	-158.7	mg/L	13.70	-158.7	mg/L	13.70	8.63%
As 188.979†	928.1	1.016	mg/L	0.7171	1.016	mg/L	0.7171	70.61%
B 249.677†	48618.9	16.10	mg/L	2.750	16.10	mg/L	2.750	17.08%
Ba 233.527†	19959.3	5.978	mg/L	0.7372	5.978	mg/L	0.7372	12.33%
Be 313.042†	2026667.9	3.198	mg/L	0.0498	3.198	mg/L	0.0498	1.56%
Ca 317.933†	124629.9	5.810	mg/L	0.9965	5.810	mg/L	0.9965	17.15%
Cd 228.802†	2701.6	0.08645	mg/L	0.007137	0.08645	mg/L	0.007137	8.25%
Co 228.616†	-1908.9	-0.06624	mg/L	0.018555	-0.06624	mg/L	0.018555	28.01%
Cr 267.716†	5749.9	0.6976	mg/L	1.28934	0.6976	mg/L	1.28934	184.82%
Cu 324.752†	316310.8	1.206	mg/L	0.0064	1.206	mg/L	0.0064	0.53%
Fe 273.955†	-25264.3	-25.29	mg/L	5.563	-25.29	mg/L	5.563	22.00%
K 766.490†	3505115.4	2510	mg/L	49.5	2510	mg/L	49.5	1.97%
Mg 279.077†	-73558.7	-49.54	mg/L	3.779	-49.54	mg/L	3.779	7.63%
Mn 257.610†	115835.2	4.048	mg/L	0.2666	4.048	mg/L	0.2666	6.58%
Mo 202.031†	-38.1	-0.00617	mg/L	0.054425	-0.00617	mg/L	0.054425	882.38%
Na 589.592†	46413.6	7.170	mg/L	7.5739	7.170	mg/L	7.5739	105.64%
Na 330.237†	-129330.4	-4306	mg/L	361.0	-4306	mg/L	361.0	8.38%
Ni 231.604†	12581.5	6.345	mg/L	2.2519	6.345	mg/L	2.2519	35.49%
Pb 220.353†	8777.3	0.9872	mg/L	0.11137	0.9872	mg/L	0.11137	11.28%
Sb 206.836†	1510.0	1.427	mg/L	0.4873	1.427	mg/L	0.4873	34.14%
Se 196.026†	-5442.3	-4.227	mg/L	0.6184	-4.227	mg/L	0.6184	14.63%
Si 288.158†	-48077.6	-33.15	mg/L	2.232	-33.15	mg/L	2.232	6.73%
Sn 189.927†	233.8	0.05898	mg/L	0.167363	0.05898	mg/L	0.167363	283.75%
Sr 421.552†	-975137.4	-1.346	mg/L	0.0609	-1.346	mg/L	0.0609	4.53%
Ti 334.903†	120028.6	4.555	mg/L	1.1958	4.555	mg/L	1.1958	26.25%
Tl 190.801†	-318.9	-0.3013	mg/L	0.67908	-0.3013	mg/L	0.67908	225.41%
V 292.402†	7357.4	0.03095	mg/L	0.021079	0.03095	mg/L	0.021079	68.11%
Zn 206.200†	5027.1	4.994	mg/L	3.1788	4.994	mg/L	3.1788	63.65%

Analysis Begun

Start Time: 8/7/2006 11:38:59 AM
Plasma On Time: 8/7/2006 9:54:30 AM
Logged In Analyst: metals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 7
Sample ID:\CV
Date Collected: 8/7/2006 11:38:59 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1603227.6	98.96	%	0.561				0.57%
ScR 361.383	209595.3	103.2	%	1.59				1.54%
Ag 328.068†	288866.1	0.9857	mg/L	0.00173	0.9857	mg/L	0.00173	0.18%
Al 308.215†	2798.2	1.997	mg/L	0.0204	1.997	mg/L	0.0204	1.02%
As 188.979†	1813.3	1.979	mg/L	0.0153	1.979	mg/L	0.0153	0.77%
B 249.677†	3078.5	1.023	mg/L	0.0148	1.023	mg/L	0.0148	1.45%
Ba 233.527†	3328.9	0.9963	mg/L	0.01559	0.9963	mg/L	0.01559	1.57%
Be 313.042†	630823.4	0.9938	mg/L	0.01219	0.9938	mg/L	0.01219	1.23%
Ca 317.933†	44242.2	2.062	mg/L	0.0245	2.062	mg/L	0.0245	1.19%
Cd 228.802†	31430.9	1.005	mg/L	0.0018	1.005	mg/L	0.0018	0.18%
Co 228.616†	33888.3	0.9676	mg/L	0.00140	0.9676	mg/L	0.00140	0.14%
Cr 267.716†	8021.6	0.9681	mg/L	0.01454	0.9681	mg/L	0.01454	1.50%
Cu 324.752†	270030.8	1.031	mg/L	0.0021	1.031	mg/L	0.0021	0.21%
Fe 273.955†	2069.6	2.069	mg/L	0.0247	2.069	mg/L	0.0247	1.19%
K 766.490†	28396.6	20.33	mg/L	0.230	20.33	mg/L	0.230	1.13%
Mg 279.077†	3026.5	2.043	mg/L	0.0252	2.043	mg/L	0.0252	1.23%
Mn 257.610†	27585.8	0.9640	mg/L	0.01279	0.9640	mg/L	0.01279	1.33%
Mo 202.031†	9809.4	0.9848	mg/L	0.00740	0.9848	mg/L	0.00740	0.75%
Na 589.592†	320444.1	49.50	mg/L	0.508	49.50	mg/L	0.508	1.03%
Na 330.237†	1534.4	51.06	mg/L	0.642	51.06	mg/L	0.642	1.26%
Ni 231.604†	2012.4	1.016	mg/L	0.0157	1.016	mg/L	0.0157	1.55%
Pb 220.353†	16901.4	1.959	mg/L	0.0151	1.959	mg/L	0.0151	0.77%
Sb 206.836†	2215.4	2.101	mg/L	0.0100	2.101	mg/L	0.0100	0.48%
Se 196.026†	2544.0	1.973	mg/L	0.0070	1.973	mg/L	0.0070	0.36%
Si 288.158†	2995.1	2.067	mg/L	0.0292	2.067	mg/L	0.0292	1.41%
Sn 189.927†	3972.5	0.9358	mg/L	0.00528	0.9358	mg/L	0.00528	0.56%
Sr 421.552†	714479.6	0.9861	mg/L	0.01110	0.9861	mg/L	0.01110	1.13%
Ti 334.903†	26845.1	1.018	mg/L	0.0108	1.018	mg/L	0.0108	1.06%
Tl 190.801†	2112.1	1.965	mg/L	0.0148	1.965	mg/L	0.0148	0.75%
V 292.402†	263340.9	0.9943	mg/L	0.00210	0.9943	mg/L	0.00210	0.21%
Zn 206.200†	1049.9	1.042	mg/L	0.0141	1.042	mg/L	0.0141	1.35%

Sequence No.: 2
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 11:45:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1573608.8	97.13	%	0.090				0.09%
ScR 361.383	215407.5	106.1	%	0.85				0.80%
Ag 328.068†	20.7	0.00007	mg/L	0.000083	0.00007	mg/L	0.000083	118.17%
Al 308.215†	10.6	0.00765	mg/L	0.018490	0.00765	mg/L	0.018490	241.79%
As 188.979†	6.0	0.00654	mg/L	0.007718	0.00654	mg/L	0.007718	118.06%
B 249.677†	40.6	0.01345	mg/L	0.003536	0.01345	mg/L	0.003536	26.29%
Ba 233.527†	0.9	0.00026	mg/L	0.001564	0.00026	mg/L	0.001564	608.81%
Be 313.042†	-22.2	-0.00004	mg/L	0.000056	-0.00004	mg/L	0.000056	157.65%
Ca 317.933†	-14.3	-0.00067	mg/L	0.000574	-0.00067	mg/L	0.000574	85.91%
Cd 228.802†	2.7	0.00008	mg/L	0.000101	0.00008	mg/L	0.000101	133.06%
Co 228.616†	-4.2	-0.00012	mg/L	0.000071	-0.00012	mg/L	0.000071	59.33%
Cr 267.716†	6.8	0.00082	mg/L	0.000344	0.00082	mg/L	0.000344	41.97%
Cu 324.752†	208.9	0.00080	mg/L	0.000105	0.00080	mg/L	0.000105	13.20%
Fe 273.955†	1.1	0.00107	mg/L	0.001922	0.00107	mg/L	0.001922	179.50%
K 766.490†	10.7	0.00769	mg/L	0.016237	0.00769	mg/L	0.016237	211.24%
Mg 279.077†	11.5	0.00775	mg/L	0.006639	0.00775	mg/L	0.006639	85.61%
Mn 257.610†	7.3	0.00025	mg/L	0.000174	0.00025	mg/L	0.000174	68.24%
Mo 202.031†	10.5	0.00105	mg/L	0.000277	0.00105	mg/L	0.000277	26.35%
Na 589.592†	72.7	0.01123	mg/L	0.006980	0.01123	mg/L	0.006980	62.14%
Na 330.237†	12.2	0.4058	mg/L	0.24307	0.4058	mg/L	0.24307	59.90%
Ni 231.604†	-6.6	-0.00335	mg/L	0.002194	-0.00335	mg/L	0.002194	65.46%
Pb 220.353†	30.6	0.00355	mg/L	0.000663	0.00355	mg/L	0.000663	18.69%
Sb 206.836†	2.2	0.00214	mg/L	0.000597	0.00214	mg/L	0.000597	27.91%
Se 196.026†	4.4	0.00339	mg/L	0.006262	0.00339	mg/L	0.006262	184.64%
Si 288.158†	2.8	0.00195	mg/L	0.002153	0.00195	mg/L	0.002153	110.37%
Sn 189.927†	9.2	0.00215	mg/L	0.000138	0.00215	mg/L	0.000138	6.40%
Sr 421.552†	84.7	0.00012	mg/L	0.000105	0.00012	mg/L	0.000105	89.98%
Ti 334.903†	23.6	0.00089	mg/L	0.000873	0.00089	mg/L	0.000873	97.66%
Tl 190.801†	3.7	0.00349	mg/L	0.003566	0.00349	mg/L	0.003566	102.29%
V 292.402†	56.2	0.00022	mg/L	0.000231	0.00022	mg/L	0.000231	106.58%
Zn 206.200†	3.4	0.00338	mg/L	0.001441	0.00338	mg/L	0.001441	42.69%

Sequence No.: 3
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 8
Date Collected: 8/7/2006 11:51:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1587707.7	98.01	%	0.666				0.68%
ScR 361.383	207028.9	102.0	%	0.29				0.28%
Ag 328.068†	837.9	0.00286	mg/L	0.000195	0.00286	mg/L	0.000195	6.82%
Al 308.215†	77.0	0.05576	mg/L	0.015117	0.05576	mg/L	0.015117	27.11%
As 188.979†	52.7	0.05769	mg/L	0.004546	0.05769	mg/L	0.004546	7.88%
B 249.677†	79.4	0.02633	mg/L	0.003136	0.02633	mg/L	0.003136	11.91%
Ba 233.527†	11.5	0.00344	mg/L	0.000326	0.00344	mg/L	0.000326	9.47%
Be 313.042†	655.2	0.00103	mg/L	0.000029	0.00103	mg/L	0.000029	2.78%
Ca 317.933†	1110.1	0.05175	mg/L	0.000519	0.05175	mg/L	0.000519	1.00%
Cd 228.802†	63.6	0.00196	mg/L	0.000158	0.00196	mg/L	0.000158	8.05%
Co 228.616†	102.6	0.00293	mg/L	0.000269	0.00293	mg/L	0.000269	9.19%
Cr 267.716†	50.4	0.00608	mg/L	0.000837	0.00608	mg/L	0.000837	13.76%
Cu 324.752†	745.9	0.00285	mg/L	0.000276	0.00285	mg/L	0.000276	9.69%
Fe 273.955†	54.1	0.05414	mg/L	0.002812	0.05414	mg/L	0.002812	5.19%
K 766.490†	811.5	0.5810	mg/L	0.02485	0.5810	mg/L	0.02485	4.28%
Mg 279.077†	63.7	0.04291	mg/L	0.015271	0.04291	mg/L	0.015271	35.59%
Mn 257.610†	36.2	0.00127	mg/L	0.000076	0.00127	mg/L	0.000076	5.97%
Mo 202.031†	54.4	0.00547	mg/L	0.000189	0.00547	mg/L	0.000189	3.46%
Na 589.592†	3495.8	0.5400	mg/L	0.00590	0.5400	mg/L	0.00590	1.09%
Na 330.237†	34.8	1.157	mg/L	0.4769	1.157	mg/L	0.4769	41.23%
Ni 231.604†	20.9	0.01058	mg/L	0.002165	0.01058	mg/L	0.002165	20.47%
Pb 220.353†	195.3	0.02263	mg/L	0.000014	0.02263	mg/L	0.000014	0.06%
Sb 206.836†	59.5	0.05651	mg/L	0.002936	0.05651	mg/L	0.002936	5.20%
Se 196.026†	68.4	0.05304	mg/L	0.003466	0.05304	mg/L	0.003466	6.53%
Si 288.158†	95.4	0.06582	mg/L	0.001630	0.06582	mg/L	0.001630	2.48%
Sn 189.927†	47.4	0.01124	mg/L	0.000801	0.01124	mg/L	0.000801	7.13%
Sr 421.552†	766.8	0.00106	mg/L	0.000008	0.00106	mg/L	0.000008	0.75%
Ti 334.903†	157.4	0.00597	mg/L	0.000222	0.00597	mg/L	0.000222	3.73%
Tl 190.801†	58.7	0.05472	mg/L	0.003241	0.05472	mg/L	0.003241	5.92%
V 292.402†	831.6	0.00316	mg/L	0.000169	0.00316	mg/L	0.000169	5.34%
Zn 206.200†	5.8	0.00580	mg/L	0.000900	0.00580	mg/L	0.000900	15.51%

Sequence No.: 4
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 9
Date Collected: 8/7/2006 11:57:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1496292.6	92.36	%	0.105				0.11%
ScR 361.383	205586.0	101.2	%	0.23				0.23%
Ag 328.068†	-2897.0	-0.00150	mg/L	0.000177	-0.00150	mg/L	0.000177	11.74%
Al 308.215†	280089.3	203.6	mg/L	0.67	203.6	mg/L	0.67	0.33%
As 188.979†	40.5	0.02037	mg/L	0.004283	0.02037	mg/L	0.004283	21.03%
B 249.677†	-6.1	-0.00201	mg/L	0.001637	-0.00201	mg/L	0.001637	81.56%
Ba 233.527†	49.8	0.00039	mg/L	0.000529	0.00039	mg/L	0.000529	137.32%
Be 313.042†	15.6	0.00002	mg/L	0.000029	0.00002	mg/L	0.000029	136.52%
Ca 317.933†	2153445.7	100.4	mg/L	0.41	100.4	mg/L	0.41	0.41%
Cd 228.802†	39.2	-0.00084	mg/L	0.000124	-0.00084	mg/L	0.000124	14.75%
Co 228.616†	-23.4	-0.00194	mg/L	0.000041	-0.00194	mg/L	0.000041	2.13%
Cr 267.716†	-5.0	0.00059	mg/L	0.000469	0.00059	mg/L	0.000469	79.43%
Cu 324.752†	-4460.7	0.00117	mg/L	0.000118	0.00117	mg/L	0.000118	10.08%
Fe 273.955†	201500.7	201.7	mg/L	0.07	201.7	mg/L	0.07	0.04%
K 766.490†	99.8	0.07144	mg/L	0.038992	0.07144	mg/L	0.038992	54.58%
Mg 279.077†	152510.1	102.6	mg/L	0.37	102.6	mg/L	0.37	0.36%
Mn 257.610†	113.3	0.00018	mg/L	0.000251	0.00018	mg/L	0.000251	141.98%
Mo 202.031†	38.3	0.00592	mg/L	0.000116	0.00592	mg/L	0.000116	1.96%
Na 589.592†	170.1	0.02627	mg/L	0.004796	0.02627	mg/L	0.004796	18.26%
Na 330.237†	40.4	0.4481	mg/L	0.75413	0.4481	mg/L	0.75413	168.31%
Ni 231.604†	-11.8	-0.00591	mg/L	0.000667	-0.00591	mg/L	0.000667	11.28%
Pb 220.353†	-214.7	0.01435	mg/L	0.000433	0.01435	mg/L	0.000433	3.02%
Sb 206.836†	20.9	0.01959	mg/L	0.002914	0.01959	mg/L	0.002914	14.88%
Se 196.026†	-95.8	-0.07434	mg/L	0.003220	-0.07434	mg/L	0.003220	4.33%
Si 288.158†	-30.2	-0.02082	mg/L	0.006390	-0.02082	mg/L	0.006390	30.69%
Sn 189.927†	-78.7	-0.00339	mg/L	0.002062	-0.00339	mg/L	0.002062	60.79%
Sr 421.552†	886.5	0.00122	mg/L	0.000069	0.00122	mg/L	0.000069	5.61%
Ti 334.903†	157.7	0.00598	mg/L	0.000801	0.00598	mg/L	0.000801	13.40%
Tl 190.801†	-29.1	-0.02707	mg/L	0.003614	-0.02707	mg/L	0.003614	13.35%
V 292.402†	584.3	0.00219	mg/L	0.000084	0.00219	mg/L	0.000084	3.83%
Zn 206.200†	2.4	-0.00170	mg/L	0.002259	-0.00170	mg/L	0.002259	132.69%

Sequence No.: 5
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 10
Date Collected: 8/7/2006 12:04:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1488508.5	91.88	%	0.589				0.64%
ScR 361.383	203293.0	100.1	%	0.94				0.94%
Ag 328.068†	302211.2	1.040	mg/L	0.0023	1.040	mg/L	0.0023	0.22%
Al 308.215†	279310.9	203.0	mg/L	1.10	203.0	mg/L	1.10	0.54%
As 188.979†	984.4	1.052	mg/L	0.0076	1.052	mg/L	0.0076	0.72%
B 249.677†	-17.2	-0.00389	mg/L	0.000293	-0.00389	mg/L	0.000293	7.53%
Ba 233.527†	3421.4	1.010	mg/L	0.0065	1.010	mg/L	0.0065	0.64%
Be 313.042†	653041.1	1.029	mg/L	0.0070	1.029	mg/L	0.0070	0.68%
Ca 317.933†	2142575.0	99.88	mg/L	0.670	99.88	mg/L	0.670	0.67%
Cd 228.802†	32773.9	1.047	mg/L	0.0016	1.047	mg/L	0.0016	0.15%
Co 228.616†	34310.5	0.9799	mg/L	0.00552	0.9799	mg/L	0.00552	0.56%
Cr 267.716†	8150.3	0.9852	mg/L	0.00783	0.9852	mg/L	0.00783	0.79%
Cu 324.752†	281122.4	1.092	mg/L	0.0015	1.092	mg/L	0.0015	0.13%
Fe 273.955†	200222.8	200.4	mg/L	1.30	200.4	mg/L	1.30	0.65%
K 766.490†	276.1	0.1977	mg/L	0.01008	0.1977	mg/L	0.01008	5.10%
Mg 279.077†	151095.5	101.7	mg/L	0.38	101.7	mg/L	0.38	0.38%
Mn 257.610†	27759.4	0.9661	mg/L	0.00751	0.9661	mg/L	0.00751	0.78%
Mo 202.031†	39.2	0.00602	mg/L	0.001147	0.00602	mg/L	0.001147	19.05%
Na 589.592†	192.7	0.02977	mg/L	0.001700	0.02977	mg/L	0.001700	5.71%
Na 330.237†	10.0	-0.8046	mg/L	0.18522	-0.8046	mg/L	0.18522	23.02%
Ni 231.604†	1937.4	0.9776	mg/L	0.01007	0.9776	mg/L	0.01007	1.03%
Pb 220.353†	8179.8	0.9874	mg/L	0.00462	0.9874	mg/L	0.00462	0.47%
Sb 206.836†	1176.9	1.104	mg/L	0.0067	1.104	mg/L	0.0067	0.61%
Se 196.026†	1233.9	0.9562	mg/L	0.00939	0.9562	mg/L	0.00939	0.98%
Si 288.158†	-50.5	-0.03278	mg/L	0.005598	-0.03278	mg/L	0.005598	17.08%
Sn 189.927†	-89.6	-0.00396	mg/L	0.002278	-0.00396	mg/L	0.002278	57.58%
Sr 421.552†	976.7	0.00135	mg/L	0.000035	0.00135	mg/L	0.000035	2.59%
Ti 334.903†	338.9	0.01265	mg/L	0.000139	0.01265	mg/L	0.000139	1.10%
Tl 190.801†	1024.5	0.9484	mg/L	0.00136	0.9484	mg/L	0.00136	0.14%
V 292.402†	281106.2	1.061	mg/L	0.0022	1.061	mg/L	0.0022	0.21%
Zn 206.200†	986.3	0.9751	mg/L	0.01013	0.9751	mg/L	0.01013	1.04%

Sequence No.: 6
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 12:10:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1537300.8	94.89	%	1.094				1.15%
ScR 361.383	202817.1	99.88	%	0.228				0.23%
Ag 328.068†	292346.4	0.9976	mg/L	0.01188	0.9976	mg/L	0.01188	1.19%
Al 308.215†	2790.8	1.991	mg/L	0.0079	1.991	mg/L	0.0079	0.40%
As 188.979†	1839.5	2.008	mg/L	0.0243	2.008	mg/L	0.0243	1.21%
B 249.677†	2909.6	0.9667	mg/L	0.00451	0.9667	mg/L	0.00451	0.47%
Ba 233.527†	3241.5	0.9702	mg/L	0.00123	0.9702	mg/L	0.00123	0.13%
Be 313.042†	623225.6	0.9818	mg/L	0.00419	0.9818	mg/L	0.00419	0.43%
Ca 317.933†	43789.4	2.041	mg/L	0.0089	2.041	mg/L	0.0089	0.43%
Cd 228.802†	32119.3	1.027	mg/L	0.0125	1.027	mg/L	0.0125	1.22%
Co 228.616†	34636.5	0.9891	mg/L	0.01186	0.9891	mg/L	0.01186	1.20%
Cr 267.716†	7859.8	0.9485	mg/L	0.00125	0.9485	mg/L	0.00125	0.13%
Cu 324.752†	272833.9	1.042	mg/L	0.0132	1.042	mg/L	0.0132	1.26%
Fe 273.955†	2008.2	2.008	mg/L	0.0036	2.008	mg/L	0.0036	0.18%
K 766.490†	28585.8	20.47	mg/L	0.156	20.47	mg/L	0.156	0.76%
Mg 279.077†	2975.5	2.009	mg/L	0.0037	2.009	mg/L	0.0037	0.18%
Mn 257.610†	27396.9	0.9574	mg/L	0.00478	0.9574	mg/L	0.00478	0.50%
Mo 202.031†	10060.3	1.010	mg/L	0.0153	1.010	mg/L	0.0153	1.51%
Na 589.592†	325191.4	50.24	mg/L	0.215	50.24	mg/L	0.215	0.43%
Na 330.237†	1564.6	52.07	mg/L	0.322	52.07	mg/L	0.322	0.62%
Ni 231.604†	1958.6	0.9889	mg/L	0.00452	0.9889	mg/L	0.00452	0.46%
Pb 220.353†	17380.3	2.014	mg/L	0.0306	2.014	mg/L	0.0306	1.52%
Sb 206.836†	2220.2	2.106	mg/L	0.0225	2.106	mg/L	0.0225	1.07%
Se 196.026†	2596.5	2.014	mg/L	0.0180	2.014	mg/L	0.0180	0.89%
Si 288.158†	2931.0	2.023	mg/L	0.0011	2.023	mg/L	0.0011	0.05%
Sn 189.927†	4014.6	0.9456	mg/L	0.00819	0.9456	mg/L	0.00819	0.87%
Sr 421.552†	717508.9	0.9903	mg/L	0.00375	0.9903	mg/L	0.00375	0.38%
Ti 334.903†	26705.1	1.012	mg/L	0.0057	1.012	mg/L	0.0057	0.56%
Tl 190.801†	2135.4	1.986	mg/L	0.0222	1.986	mg/L	0.0222	1.12%
V 292.402†	265994.0	1.004	mg/L	0.0128	1.004	mg/L	0.0128	1.28%
Zn 206.200†	1008.0	1.001	mg/L	0.0023	1.001	mg/L	0.0023	0.23%

Sequence No.: 7
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 12:17:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1551099.5	95.75	%	0.463				0.48%
ScR 361.383	201147.0	99.06	%	0.328				0.33%
Ag 328.068†	64.8	0.00022	mg/L	0.000106	0.00022	mg/L	0.000106	48.06%
Al 308.215†	-4.8	-0.00354	mg/L	0.010032	-0.00354	mg/L	0.010032	283.59%
As 188.979†	7.3	0.00796	mg/L	0.002158	0.00796	mg/L	0.002158	27.10%
B 249.677†	23.1	0.00765	mg/L	0.001808	0.00765	mg/L	0.001808	23.64%
Ba 233.527†	-0.4	-0.00012	mg/L	0.000520	-0.00012	mg/L	0.000520	431.13%
Be 313.042†	18.5	0.00003	mg/L	0.000025	0.00003	mg/L	0.000025	84.73%
Ca 317.933†	21.3	0.00099	mg/L	0.000924	0.00099	mg/L	0.000924	93.19%
Cd 228.802†	8.3	0.00026	mg/L	0.000144	0.00026	mg/L	0.000144	56.24%
Co 228.616†	2.6	0.00007	mg/L	0.000308	0.00007	mg/L	0.000308	428.99%
Cr 267.716†	15.7	0.00190	mg/L	0.001106	0.00190	mg/L	0.001106	58.22%
Cu 324.752†	248.3	0.00095	mg/L	0.000064	0.00095	mg/L	0.000064	6.71%
Fe 273.955†	1.6	0.00165	mg/L	0.004023	0.00165	mg/L	0.004023	244.40%
K 766.490†	108.6	0.07775	mg/L	0.041657	0.07775	mg/L	0.041657	53.58%
Mg 279.077†	-2.6	-0.00175	mg/L	0.008189	-0.00175	mg/L	0.008189	468.56%
Mn 257.610†	8.5	0.00030	mg/L	0.000036	0.00030	mg/L	0.000036	12.17%
Mo 202.031†	8.1	0.00081	mg/L	0.000318	0.00081	mg/L	0.000318	39.30%
Na 589.592†	58.4	0.00902	mg/L	0.002730	0.00902	mg/L	0.002730	30.26%
Na 330.237†	-1.3	-0.04479	mg/L	0.371887	-0.04479	mg/L	0.371887	830.27%
Ni 231.604†	-0.1	-0.00006	mg/L	0.001648	-0.00006	mg/L	0.001648	>999.9%
Pb 220.353†	33.1	0.00383	mg/L	0.000419	0.00383	mg/L	0.000419	10.93%
Sb 206.836†	0.5	0.00051	mg/L	0.003061	0.00051	mg/L	0.003061	596.75%
Se 196.026†	-0.4	-0.00029	mg/L	0.001540	-0.00029	mg/L	0.001540	529.21%
Si 288.158†	6.9	0.00475	mg/L	0.005753	0.00475	mg/L	0.005753	121.01%
Sn 189.927†	9.3	0.00218	mg/L	0.000676	0.00218	mg/L	0.000676	31.04%
Sr 421.552†	12.5	0.00002	mg/L	0.000019	0.00002	mg/L	0.000019	112.62%
Ti 334.903†	23.5	0.00089	mg/L	0.000761	0.00089	mg/L	0.000761	85.41%
Tl 190.801†	1.4	0.00134	mg/L	0.001498	0.00134	mg/L	0.001498	111.58%
V 292.402†	40.2	0.00016	mg/L	0.000159	0.00016	mg/L	0.000159	96.73%
Zn 206.200†	4.6	0.00457	mg/L	0.001960	0.00457	mg/L	0.001960	42.85%

Analysis Begun

Start Time: 8/7/2006 12:22:13 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 8/7/2006 9:54:30 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0807A.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: JP87 MB2 WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 21
Date Collected: 8/7/2006 12:22:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JP87 MB2 WMN

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

RE

Mean Data: JP87 MB2 WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1603715.8	98.99	%	0.942				0.95%
ScR 361.383	208026.7	102.4	%	0.46				0.45%
Ag 328.068†	-56.5	-0.00019	mg/L	0.000259	-0.00019	mg/L	0.000259	134.41%
Al 308.215†	34.7	0.02519	mg/L	0.014543	0.02519	mg/L	0.014543	57.73%
As 188.979†	10.7	0.01166	mg/L	0.002425	0.01166	mg/L	0.002425	20.80%
B 249.677†	9.4	0.00311	mg/L	0.001598	0.00311	mg/L	0.001598	51.42%
Ba 233.527†	-2.7	-0.00080	mg/L	0.000511	-0.00080	mg/L	0.000511	64.20%
Be 313.042†	5.8	0.00001	mg/L	0.000041	0.00001	mg/L	0.000041	467.61%
Ca 317.933†	18.1	0.00085	mg/L	0.000094	0.00085	mg/L	0.000094	11.10%
Cd 228.802†	7.4	0.00022	mg/L	0.000054	0.00022	mg/L	0.000054	24.61%
Co 228.616†	4.3	0.00012	mg/L	0.000428	0.00012	mg/L	0.000428	353.15%
Cr 267.716†	10.3	0.00124	mg/L	0.001246	0.00124	mg/L	0.001246	100.46%
Cu 324.752†	46.9	0.00018	mg/L	0.000194	0.00018	mg/L	0.000194	108.71%
Fe 273.955†	-3.8	-0.00382	mg/L	0.003705	-0.00382	mg/L	0.003705	96.93%
K 766.490†	42.4	0.03036	mg/L	0.025328	0.03036	mg/L	0.025328	83.43%
Mg 279.077†	6.4	0.00435	mg/L	0.008125	0.00435	mg/L	0.008125	186.93%
Mn 257.610†	1.2	0.00004	mg/L	0.000237	0.00004	mg/L	0.000237	548.90%
Mo 202.031†	5.9	0.00059	mg/L	0.000323	0.00059	mg/L	0.000323	54.81%
Na 589.592†	70.1	0.01083	mg/L	0.003834	0.01083	mg/L	0.003834	35.41%
Na 330.237†	-4.4	-0.1463	mg/L	0.17003	-0.1463	mg/L	0.17003	116.23%
Ni 231.604†	-3.4	-0.00170	mg/L	0.002957	-0.00170	mg/L	0.002957	174.27%
Pb 220.353†	12.0	0.00139	mg/L	0.000289	0.00139	mg/L	0.000289	20.79%
Sb 206.836†	-0.9	-0.00083	mg/L	0.001019	-0.00083	mg/L	0.001019	123.10%
Se 196.026†	15.3	0.01189	mg/L	0.003674	0.01189	mg/L	0.003674	30.91%
Si 288.158†	-1.0	-0.00066	mg/L	0.003378	-0.00066	mg/L	0.003378	510.61%
Sn 189.927†	3.1	0.00072	mg/L	0.000508	0.00072	mg/L	0.000508	70.59%
Sr 421.552†	17.6	0.00002	mg/L	0.000033	0.00002	mg/L	0.000033	137.05%
Ti 334.903†	34.7	0.00132	mg/L	0.000769	0.00132	mg/L	0.000769	58.43%
Tl 190.801†	4.9	0.00455	mg/L	0.001735	0.00455	mg/L	0.001735	38.12%
V 292.402†	40.6	0.00016	mg/L	0.000230	0.00016	mg/L	0.000230	142.69%
Zn 206.200†	4.4	0.00433	mg/L	0.001569	0.00433	mg/L	0.001569	36.27%

Sequence No.: 2
Sample ID: JP87 A WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 8/7/2006 12:28:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JP87 A WMN

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

RE

Mean Data: JP87 A WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1586862.2	97.95	%	0.549				0.56%
ScR 361.383	212349.1	104.6	%	0.17				0.16%
Ag 328.068†	155.9	0.00053	mg/L	0.000154	0.00053	mg/L	0.000154	28.95%
Al 308.215†	12.7	0.00924	mg/L	0.022894	0.00924	mg/L	0.022894	247.67%
As 188.979†	8.7	0.00954	mg/L	0.005343	0.00954	mg/L	0.005343	56.00%
B 249.677†	103813.0	34.37	mg/L	0.114	34.37	mg/L	0.114	0.33%
Ba 233.527†	0.0	0.00001	mg/L	0.001225	0.00001	mg/L	0.001225	>999.9%
Be 313.042†	-12.0	-0.00002	mg/L	0.000009	-0.00002	mg/L	0.000009	44.53%
Ca 317.933†	1.5	0.00007	mg/L	0.001405	0.00007	mg/L	0.001405	>999.9%
Cd 228.802†	2.6	0.00007	mg/L	0.000065	0.00007	mg/L	0.000065	92.08%
Co 228.616†	12.9	0.00036	mg/L	0.000118	0.00036	mg/L	0.000118	32.39%
Cr 267.716†	11.0	0.00133	mg/L	0.000738	0.00133	mg/L	0.000738	55.44%
Cu 324.752†	178.0	0.00068	mg/L	0.000323	0.00068	mg/L	0.000323	47.51%
Fe 273.955†	-3.0	-0.00299	mg/L	0.000797	-0.00299	mg/L	0.000797	26.61%
K 766.490†	32798.6	23.49	mg/L	0.035	23.49	mg/L	0.035	0.15%
Mg 279.077†	-1.9	-0.00127	mg/L	0.012221	-0.00127	mg/L	0.012221	961.73%
Mn 257.610†	4.4	0.00015	mg/L	0.000261	0.00015	mg/L	0.000261	169.03%
Mo 202.031†	5.1	0.00051	mg/L	0.000149	0.00051	mg/L	0.000149	29.26%
Na 589.592†	433040.2	66.90	mg/L	0.121	66.90	mg/L	0.121	0.18%
Na 330.237†	2053.6	68.37	mg/L	0.713	68.37	mg/L	0.713	1.04%
Ni 231.604†	-1.3	-0.00066	mg/L	0.002087	-0.00066	mg/L	0.002087	315.50%
Pb 220.353†	15.0	0.00174	mg/L	0.000417	0.00174	mg/L	0.000417	24.03%
Sb 206.836†	-2.2	-0.00206	mg/L	0.000926	-0.00206	mg/L	0.000926	44.98%
Se 196.026†	5.7	0.00444	mg/L	0.004141	0.00444	mg/L	0.004141	93.17%
Si 288.158†	413.0	0.2848	mg/L	0.11726	0.2848	mg/L	0.11726	41.18%
Sn 189.927†	8.7	0.00205	mg/L	0.001074	0.00205	mg/L	0.001074	52.50%
Sr 421.552†	-21.2	-0.00003	mg/L	0.000047	-0.00003	mg/L	0.000047	160.65%
Ti 334.903†	80.5	0.00305	mg/L	0.000690	0.00305	mg/L	0.000690	22.59%
Tl 190.801†	1.6	0.00152	mg/L	0.001083	0.00152	mg/L	0.001083	71.02%
V 292.402†	41.0	0.00016	mg/L	0.000083	0.00016	mg/L	0.000083	51.47%
Zn 206.200†	3.0	0.00299	mg/L	0.000702	0.00299	mg/L	0.000702	23.46%

Sequence No.: 3
Sample ID: JP87 B WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 8/7/2006 12:35:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JP87 B WMN

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

PE

Mean Data: JP87 B WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1581080.8	97.60	%	0.407				0.42%
ScR 361.383	209831.6	103.3	%	0.29				0.28%
Ag 328.068†	-124.3	-0.00042	mg/L	0.000092	-0.00042	mg/L	0.000092	21.73%
Al 308.215†	8.2	0.00586	mg/L	0.010112	0.00586	mg/L	0.010112	172.47%
As 188.979†	15.8	0.01423	mg/L	0.001833	0.01423	mg/L	0.001833	12.88%
B 249.677†	565.4	0.1872	mg/L	0.01615	0.1872	mg/L	0.01615	8.63%
Ba 233.527†	-1.3	-0.00039	mg/L	0.001123	-0.00039	mg/L	0.001123	289.06%
Be 313.042†	11.9	0.00002	mg/L	0.000030	0.00002	mg/L	0.000030	168.58%
Ca 317.933†	1171542.0	54.61	mg/L	0.157	54.61	mg/L	0.157	0.29%
Cd 228.802†	-6.0	-0.00022	mg/L	0.000049	-0.00022	mg/L	0.000049	22.59%
Co 228.616†	-8.9	-0.00026	mg/L	0.000261	-0.00026	mg/L	0.000261	101.35%
Cr 267.716†	38.1	-0.00053	mg/L	0.000525	-0.00053	mg/L	0.000525	99.57%
Cu 324.752†	272.0	0.00075	mg/L	0.000201	0.00075	mg/L	0.000201	26.94%
Fe 273.955†	-2.6	-0.00260	mg/L	0.001173	-0.00260	mg/L	0.001173	45.19%
K 766.490†	136.2	0.09755	mg/L	0.038044	0.09755	mg/L	0.038044	39.00%
Mg 279.077†	49747.9	33.52	mg/L	0.387	33.52	mg/L	0.387	1.16%
Mn 257.610†	2.6	-0.00078	mg/L	0.000182	-0.00078	mg/L	0.000182	23.26%
Mo 202.031†	52.4	0.00447	mg/L	0.000369	0.00447	mg/L	0.000369	8.25%
Na 589.592†	147.4	0.02277	mg/L	0.006296	0.02277	mg/L	0.006296	27.65%
Na 330.237†	21.8	0.2371	mg/L	0.59264	0.2371	mg/L	0.59264	249.92%
Ni 231.604†	-5.1	-0.00255	mg/L	0.000885	-0.00255	mg/L	0.000885	34.74%
Pb 220.353†	28.7	0.00333	mg/L	0.001036	0.00333	mg/L	0.001036	31.07%
Sb 206.836†	3.9	0.00343	mg/L	0.002962	0.00343	mg/L	0.002962	86.44%
Se 196.026†	-7.8	-0.00608	mg/L	0.007623	-0.00608	mg/L	0.007623	125.45%
Si 288.158†	-3.1	-0.00213	mg/L	0.003835	-0.00213	mg/L	0.003835	180.05%
Sn 189.927†	-57.5	-0.00469	mg/L	0.001455	-0.00469	mg/L	0.001455	31.02%
Sr 421.552†	2838.1	0.00392	mg/L	0.000137	0.00392	mg/L	0.000137	3.49%
Ti 334.903†	76.4	0.00289	mg/L	0.000276	0.00289	mg/L	0.000276	9.56%
Tl 190.801†	-16.4	-0.01525	mg/L	0.002124	-0.01525	mg/L	0.002124	13.93%
V 292.402†	143.3	0.00057	mg/L	0.000095	0.00057	mg/L	0.000095	16.62%
Zn 206.200†	-0.5	0.00018	mg/L	0.001410	0.00018	mg/L	0.001410	796.00%

Sequence No.: 4
Sample ID: JP87 AF WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 8/7/2006 12:41:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JP87 AF WMN

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

PE

Mean Data: JP87 AF WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1616389.5	99.78	%	0.858				0.86%
ScR 361.383	213440.7	105.1	%	0.32				0.30%
Ag 328.068†	21.2	0.00007	mg/L	0.000067	0.00007	mg/L	0.000067	90.10%
Al 308.215†	204.5	0.1486	mg/L	0.02228	0.1486	mg/L	0.02228	15.00%
As 188.979†	-4.3	-0.00476	mg/L	0.003177	-0.00476	mg/L	0.003177	66.72%
B 249.677†	212.8	0.07044	mg/L	0.006060	0.07044	mg/L	0.006060	8.60%
Ba 233.527†	4.5	0.00135	mg/L	0.000451	0.00135	mg/L	0.000451	33.42%
Be 313.042†	-118.6	-0.00019	mg/L	0.000060	-0.00019	mg/L	0.000060	32.00%
Ca 317.933†	331.2	0.01544	mg/L	0.001392	0.01544	mg/L	0.001392	9.02%
Cd 228.802†	-13.0	-0.00041	mg/L	0.000105	-0.00041	mg/L	0.000105	25.58%
Co 228.616†	16.9	0.00044	mg/L	0.000086	0.00044	mg/L	0.000086	19.65%
Cr 267.716†	14.2	0.00172	mg/L	0.000496	0.00172	mg/L	0.000496	28.89%
Cu 324.752†	141.8	0.00054	mg/L	0.000091	0.00054	mg/L	0.000091	16.84%
Fe 273.955†	36.2	0.03621	mg/L	0.000807	0.03621	mg/L	0.000807	2.23%
K 766.490†	239.8	0.1717	mg/L	0.00620	0.1717	mg/L	0.00620	3.61%
Mg 279.077†	26.3	0.01773	mg/L	0.003390	0.01773	mg/L	0.003390	19.12%
Mn 257.610†	11.5	0.00040	mg/L	0.000038	0.00040	mg/L	0.000038	9.56%
Mo 202.031†	7.0	0.00070	mg/L	0.000191	0.00070	mg/L	0.000191	27.16%
Na 589.592†	836401.3	129.2	mg/L	0.24	129.2	mg/L	0.24	0.19%
Na 330.237†	4029.2	134.1	mg/L	0.38	134.1	mg/L	0.38	0.28%
Ni 231.604†	-3.6	-0.00183	mg/L	0.001071	-0.00183	mg/L	0.001071	58.66%
Pb 220.353†	-4.7	-0.00051	mg/L	0.000673	-0.00051	mg/L	0.000673	130.79%
Sb 206.836†	2.4	0.00228	mg/L	0.001461	0.00228	mg/L	0.001461	63.94%
Se 196.026†	12.1	0.00937	mg/L	0.005106	0.00937	mg/L	0.005106	54.47%
Si 288.158†	115090.9	79.36	mg/L	0.756	79.36	mg/L	0.756	0.95%
Sn 189.927†	9.6	0.00225	mg/L	0.000370	0.00225	mg/L	0.000370	16.44%
Sr 421.552†	418.4	0.00058	mg/L	0.000010	0.00058	mg/L	0.000010	1.72%
Ti 334.903†	707.1	0.02683	mg/L	0.005291	0.02683	mg/L	0.005291	19.72%
Tl 190.801†	0.4	0.00033	mg/L	0.001580	0.00033	mg/L	0.001580	485.38%
V 292.402†	77.6	0.00029	mg/L	0.000024	0.00029	mg/L	0.000024	8.34%
Zn 206.200†	3.9	0.00385	mg/L	0.000913	0.00385	mg/L	0.000913	23.75%

Sequence No.: 5
Sample ID: JP87 R WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 8/7/2006 12:48:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JP87 R WMN

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JP87 R WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1636296.4	101.0	%	1.06				1.05%
ScR 361.383	215596.4	106.2	%	1.02				0.97%
Ag 328.068†	-37.7	-0.00013	mg/L	0.000171	-0.00013	mg/L	0.000171	133.23%
Al 308.215†	17.2	0.01246	mg/L	0.013960	0.01246	mg/L	0.013960	112.04%
As 188.979†	8.9	0.00968	mg/L	0.001191	0.00968	mg/L	0.001191	12.31%
B 249.677†	3527.5	1.168	mg/L	0.0044	1.168	mg/L	0.0044	0.38%
Ba 233.527†	-1.8	-0.00054	mg/L	0.000352	-0.00054	mg/L	0.000352	65.30%
Be 313.042†	6.0	0.00001	mg/L	0.000023	0.00001	mg/L	0.000023	250.76%
Ca 317.933†	36.2	0.00169	mg/L	0.001414	0.00169	mg/L	0.001414	83.79%
Cd 228.802†	4.4	0.00013	mg/L	0.000037	0.00013	mg/L	0.000037	28.90%
Co 228.616†	4.4	0.00012	mg/L	0.000131	0.00012	mg/L	0.000131	105.24%
Cr 267.716†	9.9	0.00119	mg/L	0.000272	0.00119	mg/L	0.000272	22.86%
Cu 324.752†	75.5	0.00029	mg/L	0.000256	0.00029	mg/L	0.000256	88.96%
Fe 273.955†	0.3	0.00026	mg/L	0.001567	0.00026	mg/L	0.001567	595.74%
K 766.490†	6.1	0.00439	mg/L	0.015491	0.00439	mg/L	0.015491	353.09%
Mg 279.077†	25.9	0.01746	mg/L	0.003013	0.01746	mg/L	0.003013	17.25%
Mn 257.610†	0.5	0.00002	mg/L	0.000115	0.00002	mg/L	0.000115	732.28%
Mo 202.031†	6.0	0.00060	mg/L	0.000258	0.00060	mg/L	0.000258	42.89%
Na 589.592†	436.8	0.06748	mg/L	0.006740	0.06748	mg/L	0.006740	9.99%
Na 330.237†	-0.9	-0.03058	mg/L	0.316327	-0.03058	mg/L	0.316327	>999.9%
Ni 231.604†	-1.9	-0.00094	mg/L	0.000589	-0.00094	mg/L	0.000589	62.36%
Pb 220.353†	7.5	0.00087	mg/L	0.000676	0.00087	mg/L	0.000676	77.67%
Sb 206.836†	-0.7	-0.00071	mg/L	0.001007	-0.00071	mg/L	0.001007	142.50%
Se 196.026†	9.1	0.00708	mg/L	0.000841	0.00708	mg/L	0.000841	11.37%
Si 288.158†	39.7	0.02736	mg/L	0.004588	0.02736	mg/L	0.004588	16.77%
Sn 189.927†	-0.4	-0.00009	mg/L	0.000758	-0.00009	mg/L	0.000758	886.57%
Sr 421.552†	87.6	0.00012	mg/L	0.000055	0.00012	mg/L	0.000055	45.88%
Ti 334.903†	13.5	0.00051	mg/L	0.000482	0.00051	mg/L	0.000482	94.15%
Tl 190.801†	3.1	0.00285	mg/L	0.002369	0.00285	mg/L	0.002369	83.17%
V 292.402†	77.8	0.00030	mg/L	0.000088	0.00030	mg/L	0.000088	29.43%
Zn 206.200†	4.3	0.00431	mg/L	0.001132	0.00431	mg/L	0.001132	26.27%

Sequence No.: 6
Sample ID: CV 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 12:54:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1552715.4	95.85	%	0.668				0.70%
ScR 361.383	206732.0	101.8	%	0.71				0.69%
Ag 328.068†	294637.0	1.005	mg/L	0.0047	1.005	mg/L	0.0047	0.47%
Al 308.215†	2777.6	1.981	mg/L	0.0074	1.981	mg/L	0.0074	0.37%
As 188.979†	1859.6	2.030	mg/L	0.0179	2.030	mg/L	0.0179	0.88%
B 249.677†	3042.2	1.011	mg/L	0.0051	1.011	mg/L	0.0051	0.51%
Ba 233.527†	3241.1	0.9701	mg/L	0.00566	0.9701	mg/L	0.00566	0.58%
Be 313.042†	626101.8	0.9863	mg/L	0.00135	0.9863	mg/L	0.00135	0.14%
Ca 317.933†	44014.5	2.052	mg/L	0.0039	2.052	mg/L	0.0039	0.19%
Cd 228.802†	32111.0	1.026	mg/L	0.0055	1.026	mg/L	0.0055	0.54%
Co 228.616†	34846.4	0.9951	mg/L	0.00537	0.9951	mg/L	0.00537	0.54%
Cr 267.716†	7876.6	0.9506	mg/L	0.00550	0.9506	mg/L	0.00550	0.58%
Cu 324.752†	274826.4	1.049	mg/L	0.0039	1.049	mg/L	0.0039	0.37%
Fe 273.955†	2007.3	2.007	mg/L	0.0100	2.007	mg/L	0.0100	0.50%
K 766.490†	28506.4	20.41	mg/L	0.041	20.41	mg/L	0.041	0.20%
Mg 279.077†	2994.7	2.022	mg/L	0.0026	2.022	mg/L	0.0026	0.13%
Mn 257.610†	27423.1	0.9583	mg/L	0.00215	0.9583	mg/L	0.00215	0.22%
Mo 202.031†	9922.3	0.9962	mg/L	0.00808	0.9962	mg/L	0.00808	0.81%
Na 589.592†	323748.2	50.01	mg/L	0.157	50.01	mg/L	0.157	0.31%
Na 330.237†	1560.7	51.94	mg/L	0.637	51.94	mg/L	0.637	1.23%
Ni 231.604†	1970.3	0.9948	mg/L	0.00687	0.9948	mg/L	0.00687	0.69%
Pb 220.353†	17133.4	1.986	mg/L	0.0177	1.986	mg/L	0.0177	0.89%
Sb 206.836†	2244.6	2.129	mg/L	0.0194	2.129	mg/L	0.0194	0.91%
Se 196.026†	2635.8	2.044	mg/L	0.0116	2.044	mg/L	0.0116	0.57%
Si 288.158†	2921.7	2.017	mg/L	0.0114	2.017	mg/L	0.0114	0.56%
Sn 189.927†	4085.2	0.9622	mg/L	0.01015	0.9622	mg/L	0.01015	1.06%
Sr 421.552†	714658.9	0.9864	mg/L	0.00231	0.9864	mg/L	0.00231	0.23%
Ti 334.903†	26732.0	1.013	mg/L	0.0030	1.013	mg/L	0.0030	0.30%
Tl 190.801†	2149.5	1.999	mg/L	0.0167	1.999	mg/L	0.0167	0.84%
V 292.402†	268780.1	1.015	mg/L	0.0039	1.015	mg/L	0.0039	0.39%
Zn 206.200†	1017.1	1.010	mg/L	0.0082	1.010	mg/L	0.0082	0.82%

Sequence No.: 7
Sample ID: CB 2
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 1:01:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1573577.3	97.13	%	0.518				0.53%
ScR 361.383	204238.3	100.6	%	0.92				0.92%
Ag 328.068†	6.0	0.00002	mg/L	0.000305	0.00002	mg/L	0.000305	>999.9%
Al 308.215†	2.4	0.00174	mg/L	0.002625	0.00174	mg/L	0.002625	150.54%
As 188.979†	7.9	0.00864	mg/L	0.000590	0.00864	mg/L	0.000590	6.82%
B 249.677†	94.0	0.03114	mg/L	0.002642	0.03114	mg/L	0.002642	8.48%
Ba 233.527†	-0.7	-0.00022	mg/L	0.000792	-0.00022	mg/L	0.000792	364.43%
Be 313.042†	15.1	0.00002	mg/L	0.000030	0.00002	mg/L	0.000030	128.16%
Ca 317.933†	-19.7	-0.00092	mg/L	0.000906	-0.00092	mg/L	0.000906	98.65%
Cd 228.802†	2.5	0.00007	mg/L	0.000091	0.00007	mg/L	0.000091	133.38%
Co 228.616†	10.0	0.00028	mg/L	0.000085	0.00028	mg/L	0.000085	30.03%
Cr 267.716†	12.9	0.00156	mg/L	0.000155	0.00156	mg/L	0.000155	9.93%
Cu 324.752†	403.9	0.00154	mg/L	0.000254	0.00154	mg/L	0.000254	16.47%
Fe 273.955†	-0.6	-0.00062	mg/L	0.002486	-0.00062	mg/L	0.002486	401.85%
K 766.490†	101.7	0.07282	mg/L	0.070203	0.07282	mg/L	0.070203	96.41%
Mg 279.077†	-1.4	-0.00092	mg/L	0.009818	-0.00092	mg/L	0.009818	>999.9%
Mn 257.610†	5.6	0.00020	mg/L	0.000192	0.00020	mg/L	0.000192	97.97%
Mo 202.031†	8.9	0.00090	mg/L	0.000181	0.00090	mg/L	0.000181	20.14%
Na 589.592†	146.2	0.02258	mg/L	0.002305	0.02258	mg/L	0.002305	10.21%
Na 330.237†	6.6	0.2183	mg/L	0.34090	0.2183	mg/L	0.34090	156.16%
Ni 231.604†	0.4	0.00019	mg/L	0.000910	0.00019	mg/L	0.000910	485.02%
Pb 220.353†	25.7	0.00298	mg/L	0.000651	0.00298	mg/L	0.000651	21.89%
Sb 206.836†	1.5	0.00143	mg/L	0.000825	0.00143	mg/L	0.000825	57.52%
Se 196.026†	6.1	0.00475	mg/L	0.001209	0.00475	mg/L	0.001209	25.46%
Si 288.158†	4.1	0.00283	mg/L	0.001849	0.00283	mg/L	0.001849	65.25%
Sn 189.927†	9.7	0.00228	mg/L	0.000185	0.00228	mg/L	0.000185	8.12%
Sr 421.552†	-13.1	-0.00002	mg/L	0.000058	-0.00002	mg/L	0.000058	323.00%
Ti 334.903†	31.4	0.00119	mg/L	0.001150	0.00119	mg/L	0.001150	96.63%
Tl 190.801†	-0.9	-0.00087	mg/L	0.002744	-0.00087	mg/L	0.002744	316.58%
V 292.402†	79.2	0.00031	mg/L	0.000160	0.00031	mg/L	0.000160	51.94%
Zn 206.200†	2.9	0.00291	mg/L	0.001233	0.00291	mg/L	0.001233	42.34%

Sequence No.: 8
Sample ID: JQ77 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 26
Date Collected: 8/7/2006 1:07:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 MB SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

rerun

Mean Data: JQ77 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1613453.7	99.59	%	0.348				0.35%
ScR 361.383	212723.0	104.8	%	0.52				0.49%
Ag 328.068†	-17.1	-0.00006	mg/L	0.000163	-0.00012	mg/L	0.000326	280.96%
Al 308.215†	15.5	0.01122	mg/L	0.017861	0.02245	mg/L	0.035722	159.14%
As 188.979†	7.6	0.00827	mg/L	0.000451	0.01654	mg/L	0.000902	5.45%
B 249.677†	62.3	0.02064	mg/L	0.001601	0.04128	mg/L	0.003202	7.76%
Ba 233.527†	-4.3	-0.00130	mg/L	0.000507	-0.00259	mg/L	0.001014	39.09%
Be 313.042†	-46.8	-0.00007	mg/L	0.000022	-0.00015	mg/L	0.000044	29.76%
Ca 317.933†	655.5	0.03056	mg/L	0.001829	0.06112	mg/L	0.003657	5.98%
Cd 228.802†	6.5	0.00020	mg/L	0.000092	0.00039	mg/L	0.000185	47.14%
Co 228.616†	1.5	0.00004	mg/L	0.000085	0.00008	mg/L	0.000170	208.51%
Cr 267.716†	8.8	0.00106	mg/L	0.000614	0.00212	mg/L	0.001228	57.97%
Cu 324.752†	339.4	0.00130	mg/L	0.000107	0.00259	mg/L	0.000214	8.26%
Fe 273.955†	3.2	0.00324	mg/L	0.001376	0.00649	mg/L	0.002751	42.41%
K 766.490†	25.3	0.01811	mg/L	0.017118	0.03623	mg/L	0.034236	94.51%
Mg 279.077†	8.5	0.00575	mg/L	0.000767	0.01150	mg/L	0.001533	13.34%
Mn 257.610†	3.8	0.00013	mg/L	0.000132	0.00027	mg/L	0.000265	99.56%
Mo 202.031†	6.1	0.00061	mg/L	0.000182	0.00123	mg/L	0.000364	29.65%
Na 589.592†	119.4	0.01844	mg/L	0.006203	0.03688	mg/L	0.012406	33.64%
Na 330.237†	16.8	0.5575	mg/L	0.52030	1.115	mg/L	1.0406	93.33%
Ni 231.604†	-1.1	-0.00058	mg/L	0.003103	-0.00116	mg/L	0.006206	537.07%
Pb 220.353†	18.0	0.00209	mg/L	0.000437	0.00417	mg/L	0.000874	20.94%
Sb 206.836†	-1.5	-0.00144	mg/L	0.001322	-0.00288	mg/L	0.002643	91.73%
Se 196.026†	7.1	0.00553	mg/L	0.003257	0.01107	mg/L	0.006515	58.87%
Si 288.158†	11.0	0.00761	mg/L	0.001011	0.01522	mg/L	0.002023	13.29%
Sn 189.927†	5.0	0.00117	mg/L	0.000395	0.00234	mg/L	0.000791	33.77%
Sr 421.552†	159.1	0.00022	mg/L	0.000024	0.00044	mg/L	0.000048	10.91%
Ti 334.903†	38.7	0.00147	mg/L	0.000725	0.00293	mg/L	0.001450	49.45%
Tl 190.801†	4.0	0.00372	mg/L	0.001189	0.00744	mg/L	0.002379	31.98%
V 292.402†	90.3	0.00035	mg/L	0.000051	0.00069	mg/L	0.000102	14.72%
Zn 206.200†	7.2	0.00711	mg/L	0.001583	0.01423	mg/L	0.003166	22.25%

Sequence No.: 9
Sample ID: JR76 MB WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 8/7/2006 1:13:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR76 MB WMN

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: JR76 MB WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1623291.8	100.2	%	0.58				0.58%
ScR 361.383	210951.9	103.9	%	1.65				1.59%
Ag 328.068†	-107.3	-0.00037	mg/L	0.000092	-0.00037	mg/L	0.000092	25.03%
Al 308.215†	21.4	0.01554	mg/L	0.019767	0.01554	mg/L	0.019767	127.18%
As 188.979†	7.0	0.00765	mg/L	0.003951	0.00765	mg/L	0.003951	51.64%
B 249.677†	33.6	0.01114	mg/L	0.000917	0.01114	mg/L	0.000917	8.23%
Ba 233.527†	-1.3	-0.00038	mg/L	0.000535	-0.00038	mg/L	0.000535	140.07%
Be 313.042†	2.6	0.00000	mg/L	0.000045	0.00000	mg/L	0.000045	>999.9%
Ca 317.933†	108.1	0.00504	mg/L	0.001412	0.00504	mg/L	0.001412	28.03%
Cd 228.802†	2.5	0.00007	mg/L	0.000153	0.00007	mg/L	0.000153	222.58%
Co 228.616†	3.5	0.00010	mg/L	0.000065	0.00010	mg/L	0.000065	64.92%
Cr 267.716†	11.3	0.00137	mg/L	0.000775	0.00137	mg/L	0.000775	56.72%
Cu 324.752†	44.6	0.00017	mg/L	0.000165	0.00017	mg/L	0.000165	96.79%
Fe 273.955†	-0.2	-0.00016	mg/L	0.001952	-0.00016	mg/L	0.001952	>999.9%
K 766.490†	68.7	0.04918	mg/L	0.005482	0.04918	mg/L	0.005482	11.15%
Mg 279.077†	14.8	0.00994	mg/L	0.005067	0.00994	mg/L	0.005067	50.96%
Mn 257.610†	2.9	0.00010	mg/L	0.000069	0.00010	mg/L	0.000069	69.42%
Mo 202.031†	2.2	0.00022	mg/L	0.000208	0.00022	mg/L	0.000208	92.68%
Na 589.592†	265.4	0.04099	mg/L	0.010722	0.04099	mg/L	0.010722	26.16%
Na 330.237†	-5.2	-0.1729	mg/L	0.56810	-0.1729	mg/L	0.56810	328.56%
Ni 231.604†	-1.4	-0.00072	mg/L	0.002361	-0.00072	mg/L	0.002361	327.48%
Pb 220.353†	6.2	0.00073	mg/L	0.000710	0.00073	mg/L	0.000710	97.75%
Sb 206.836†	0.2	0.00021	mg/L	0.001574	0.00021	mg/L	0.001574	764.47%
Se 196.026†	7.9	0.00610	mg/L	0.002927	0.00610	mg/L	0.002927	47.97%
Si 288.158†	5.4	0.00372	mg/L	0.002503	0.00372	mg/L	0.002503	67.26%
Sn 189.927†	-0.1	-0.00002	mg/L	0.000141	-0.00002	mg/L	0.000141	747.31%
Sr 421.552†	-30.0	-0.00004	mg/L	0.000050	-0.00004	mg/L	0.000050	120.35%
Ti 334.903†	-0.6	-0.00002	mg/L	0.000999	-0.00002	mg/L	0.000999	>999.9%
Tl 190.801†	2.4	0.00221	mg/L	0.003705	0.00221	mg/L	0.003705	167.44%
V 292.402†	55.3	0.00022	mg/L	0.000099	0.00022	mg/L	0.000099	45.41%
Zn 206.200†	2.4	0.00242	mg/L	0.000466	0.00242	mg/L	0.000466	19.24%

Sequence No.: 10
Sample ID: JR76 A WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 8/7/2006 1:20:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR76 A WMN

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR76 A WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1630942.9	100.7	%	0.45				0.44%
ScR 361.383	218727.9	107.7	%	0.72				0.67%
Ag 328.068†	-471.5	-0.00093	mg/L	0.000061	-0.00093	mg/L	0.000061	6.53%
Al 308.215†	41.5	0.03006	mg/L	0.009664	0.03006	mg/L	0.009664	32.15%
As 188.979†	24.4	0.01925	mg/L	0.003476	0.01925	mg/L	0.003476	18.05%
B 249.677†	737.1	0.2440	mg/L	0.00922	0.2440	mg/L	0.00922	3.78%
Ba 233.527†	33.1	0.00856	mg/L	0.000567	0.00856	mg/L	0.000567	6.63%
Be 313.042†	-57.6	-0.00009	mg/L	0.000072	-0.00009	mg/L	0.000072	76.89%
Ca 317.933†	2841674.9	132.5	mg/L	1.46	132.5	mg/L	1.46	1.10%
Cd 228.802†	5.1	-0.00006	mg/L	0.000107	-0.00006	mg/L	0.000107	177.74%
Co 228.616†	11.8	-0.00011	mg/L	0.000132	-0.00011	mg/L	0.000132	119.76%
Cr 267.716†	2.0	-0.00015	mg/L	0.000725	-0.00015	mg/L	0.000725	485.01%
Cu 324.752†	-245.0	0.00073	mg/L	0.000056	0.00073	mg/L	0.000056	7.64%
Fe 273.955†	18567.5	18.58	mg/L	0.246	18.58	mg/L	0.246	1.32%
K 766.490†	16307.9	11.68	mg/L	0.155	11.68	mg/L	0.155	1.32%
Mg 279.077†	16131.3	10.86	mg/L	0.136	10.86	mg/L	0.136	1.25%
Mn 257.610†	16044.9	0.5595	mg/L	0.00683	0.5595	mg/L	0.00683	1.22%
Mo 202.031†	17.7	0.00152	mg/L	0.000123	0.00152	mg/L	0.000123	8.10%
Na 589.592†	115903.0	17.90	mg/L	0.209	17.90	mg/L	0.209	1.17%
Na 330.237†	609.0	19.09	mg/L	0.133	19.09	mg/L	0.133	0.69%
Ni 231.604†	2.7	0.00137	mg/L	0.001212	0.00137	mg/L	0.001212	88.35%
Pb 220.353†	30.9	0.00359	mg/L	0.000339	0.00359	mg/L	0.000339	9.44%
Sb 206.836†	9.4	0.00861	mg/L	0.000384	0.00861	mg/L	0.000384	4.46%
Se 196.026†	20.0	0.01487	mg/L	0.000215	0.01487	mg/L	0.000215	1.45%
Si 288.158†	27483.6	18.95	mg/L	0.208	18.95	mg/L	0.208	1.10%
Sn 189.927†	-108.3	-0.00216	mg/L	0.001408	-0.00216	mg/L	0.001408	65.20%
Sr 421.552†	544959.4	0.7522	mg/L	0.00815	0.7522	mg/L	0.00815	1.08%
Ti 334.903†	175.9	0.00667	mg/L	0.001056	0.00667	mg/L	0.001056	15.83%
Tl 190.801†	-17.4	-0.01626	mg/L	0.000842	-0.01626	mg/L	0.000842	5.18%
V 292.402†	449.9	0.00177	mg/L	0.000045	0.00177	mg/L	0.000045	2.54%
Zn 206.200†	-3.9	-0.00263	mg/L	0.002083	-0.00263	mg/L	0.002083	79.13%

Sequence No.: 11
Sample ID: JQ77 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 29
Date Collected: 8/7/2006 1:26:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 E SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1587907.0	98.02	%	0.303				0.31%
ScR 361.383	214302.7	105.5	%	0.76				0.72%
Ag 328.068†	-2728.1	-0.00154	mg/L	0.000374	-0.00307	mg/L	0.000748	24.35%
Al 308.215†	169600.9	123.2	mg/L	3.50	246.5	mg/L	7.00	2.84%
As 188.979†	77.9	0.04350	mg/L	0.003791	0.08701	mg/L	0.007582	8.71%
B 249.677†	144.8	0.04539	mg/L	0.000763	0.09078	mg/L	0.001526	1.68%
Ba 233.527†	1555.6	0.4516	mg/L	0.01231	0.9032	mg/L	0.02462	2.73%
Be 313.042†	1643.9	0.00184	mg/L	0.000067	0.00368	mg/L	0.000134	3.63%
Ca 317.933†	2133120.0	99.43	mg/L	2.286	198.9	mg/L	4.57	2.30%
Cd 228.802†	72.8	0.00026	mg/L	0.000132	0.00051	mg/L	0.000264	51.40%
Co 228.616†	2825.2	0.06147	mg/L	0.000874	0.1229	mg/L	0.00175	1.42%
Cr 267.716†	2315.6	0.2831	mg/L	0.00840	0.5663	mg/L	0.01680	2.97%
Cu 324.752†	96672.4	0.3851	mg/L	0.00087	0.7702	mg/L	0.00173	0.22%
Fe 273.955†	194654.5	194.8	mg/L	5.61	389.6	mg/L	11.22	2.88%
K 766.490†	10003.3	7.163	mg/L	0.1096	14.33	mg/L	0.219	1.53%
Mg 279.077†	101335.2	68.13	mg/L	1.917	136.3	mg/L	3.83	2.81%
Mn 257.610†	83288.6	2.907	mg/L	0.0762	5.813	mg/L	0.1524	2.62%
Mo 202.031†	148.3	0.01601	mg/L	0.000843	0.03201	mg/L	0.001686	5.27%
Na 589.592†	19602.5	3.028	mg/L	0.0810	6.056	mg/L	0.1621	2.68%
Na 330.237†	58.8	3.362	mg/L	0.2024	6.725	mg/L	0.4048	6.02%
Ni 231.604†	450.4	0.2271	mg/L	0.00579	0.4543	mg/L	0.01158	2.55%
Pb 220.353†	1178.3	0.1604	mg/L	0.00102	0.3209	mg/L	0.00205	0.64%
Sb 206.836†	15.3	0.01996	mg/L	0.002449	0.03992	mg/L	0.004897	12.27%
Se 196.026†	-69.7	-0.05741	mg/L	0.004866	-0.1148	mg/L	0.00973	8.48%
Si 288.158†	2216.3	1.529	mg/L	0.0440	3.058	mg/L	0.0880	2.88%
Sn 189.927†	-40.0	0.00454	mg/L	0.000157	0.00908	mg/L	0.000314	3.46%
Sr 421.552†	328687.9	0.4537	mg/L	0.01120	0.9073	mg/L	0.02241	2.47%
Ti 334.903†	255440.8	9.694	mg/L	0.2436	19.39	mg/L	0.487	2.51%
Tl 190.801†	-22.6	-0.03099	mg/L	0.008116	-0.06198	mg/L	0.016232	26.19%
V 292.402†	128001.1	0.4776	mg/L	0.00108	0.9553	mg/L	0.00216	0.23%
Zn 206.200†	541.1	0.5335	mg/L	0.01407	1.067	mg/L	0.0281	2.64%

Sequence No.: 12
Sample ID: JQ77 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 30
Date Collected: 8/7/2006 1:33:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 F SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1602305.7	98.91	%	0.560				0.57%
ScR 361.383	214981.5	105.9	%	1.19				1.12%
Ag 328.068†	-2625.9	-0.00166	mg/L	0.000154	-0.00333	mg/L	0.000309	9.28%
Al 308.215†	192855.3	140.1	mg/L	0.19	280.3	mg/L	0.39	0.14%
As 188.979†	80.2	0.04621	mg/L	0.009316	0.09242	mg/L	0.018633	20.16%
B 249.677†	161.9	0.05132	mg/L	0.001427	0.1026	mg/L	0.00285	2.78%
Ba 233.527†	1523.9	0.4429	mg/L	0.00503	0.8859	mg/L	0.01006	1.14%
Be 313.042†	1775.3	0.00197	mg/L	0.000007	0.00393	mg/L	0.000013	0.34%
Ca 317.933†	1927274.9	89.84	mg/L	0.171	179.7	mg/L	0.34	0.19%
Cd 228.802†	94.9	0.00108	mg/L	0.000250	0.00217	mg/L	0.000499	23.00%
Co 228.616†	2649.9	0.05790	mg/L	0.000660	0.1158	mg/L	0.00132	1.14%
Cr 267.716†	2595.0	0.3152	mg/L	0.00347	0.6305	mg/L	0.00693	1.10%
Cu 324.752†	41876.8	0.1747	mg/L	0.00042	0.3493	mg/L	0.00084	0.24%
Fe 273.955†	182395.0	182.6	mg/L	0.65	365.1	mg/L	1.30	0.36%
K 766.490†	9435.5	6.756	mg/L	0.0597	13.51	mg/L	0.119	0.88%
Mg 279.077†	108470.2	72.95	mg/L	0.019	145.9	mg/L	0.04	0.03%
Mn 257.610†	80501.0	2.809	mg/L	0.0058	5.618	mg/L	0.0117	0.21%
Mo 202.031†	68.4	0.00824	mg/L	0.000193	0.01648	mg/L	0.000386	2.35%
Na 589.592†	25018.8	3.865	mg/L	0.0037	7.730	mg/L	0.0074	0.10%
Na 330.237†	90.8	4.232	mg/L	0.1366	8.464	mg/L	0.2732	3.23%
Ni 231.604†	430.6	0.2171	mg/L	0.00087	0.4342	mg/L	0.00173	0.40%
Pb 220.353†	56.8	0.03404	mg/L	0.000236	0.06808	mg/L	0.000472	0.69%
Sb 206.836†	15.0	0.01885	mg/L	0.001929	0.03770	mg/L	0.003859	10.23%
Se 196.026†	-76.1	-0.06221	mg/L	0.003672	-0.1244	mg/L	0.00734	5.90%
Si 288.158†	1778.0	1.227	mg/L	0.0211	2.453	mg/L	0.0423	1.72%
Sn 189.927†	-57.1	-0.00121	mg/L	0.000395	-0.00243	mg/L	0.000790	32.57%
Sr 421.552†	352199.8	0.4861	mg/L	0.00050	0.9722	mg/L	0.00099	0.10%
Ti 334.903†	242181.0	9.191	mg/L	0.0085	18.38	mg/L	0.017	0.09%
Tl 190.801†	-17.4	-0.02582	mg/L	0.003027	-0.05165	mg/L	0.006053	11.72%
V 292.402†	142193.2	0.5313	mg/L	0.00173	1.063	mg/L	0.0035	0.33%
Zn 206.200†	1171.5	1.160	mg/L	0.0071	2.320	mg/L	0.0141	0.61%

Sequence No.: 13
Sample ID: JQ77 G SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 31
Date Collected: 8/7/2006 1:39:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 G SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 G SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1600625.5	98.80	%	0.283				0.29%
ScR 361.383	218180.5	107.4	%	0.36				0.34%
Ag 328.068†	-2406.1	-0.00110	mg/L	0.000157	-0.00221	mg/L	0.000314	14.20%
Al 308.215†	175435.5	127.5	mg/L	0.29	255.0	mg/L	0.57	0.22%
As 188.979†	77.8	0.04761	mg/L	0.002530	0.09523	mg/L	0.005060	5.31%
B 249.677†	124.4	0.03927	mg/L	0.001499	0.07853	mg/L	0.002998	3.82%
Ba 233.527†	2402.9	0.7065	mg/L	0.00327	1.413	mg/L	0.0065	0.46%
Be 313.042†	1498.3	0.00167	mg/L	0.000065	0.00334	mg/L	0.000131	3.91%
Ca 317.933†	1964586.1	91.58	mg/L	0.254	183.2	mg/L	0.51	0.28%
Cd 228.802†	88.1	0.00091	mg/L	0.000158	0.00181	mg/L	0.000315	17.42%
Co 228.616†	2494.7	0.05533	mg/L	0.000300	0.1107	mg/L	0.00060	0.54%
Cr 267.716†	2431.4	0.2966	mg/L	0.00197	0.5931	mg/L	0.00393	0.66%
Cu 324.752†	126202.7	0.4968	mg/L	0.00173	0.9935	mg/L	0.00345	0.35%
Fe 273.955†	178017.4	178.2	mg/L	1.24	356.3	mg/L	2.47	0.69%
K 766.490†	10549.8	7.554	mg/L	0.0541	15.11	mg/L	0.108	0.72%
Mg 279.077†	96083.5	64.61	mg/L	0.220	129.2	mg/L	0.44	0.34%
Mn 257.610†	77049.8	2.689	mg/L	0.0095	5.378	mg/L	0.0189	0.35%
Mo 202.031†	98.3	0.01116	mg/L	0.000335	0.02233	mg/L	0.000670	3.00%
Na 589.592†	23264.1	3.594	mg/L	0.0143	7.188	mg/L	0.0286	0.40%
Na 330.237†	93.2	4.130	mg/L	0.2747	8.260	mg/L	0.5493	6.65%
Ni 231.604†	429.1	0.2164	mg/L	0.00285	0.4328	mg/L	0.00570	1.32%
Pb 220.353†	612.0	0.09565	mg/L	0.000189	0.1913	mg/L	0.00038	0.20%
Sb 206.836†	15.9	0.01869	mg/L	0.000261	0.03738	mg/L	0.000522	1.40%
Se 196.026†	-72.4	-0.05924	mg/L	0.007624	-0.1185	mg/L	0.01525	12.87%
Si 288.158†	2109.8	1.455	mg/L	0.0094	2.911	mg/L	0.0188	0.65%
Sn 189.927†	-37.3	0.00421	mg/L	0.002109	0.00842	mg/L	0.004218	50.07%
Sr 421.552†	510015.7	0.7039	mg/L	0.00225	1.408	mg/L	0.0045	0.32%
Ti 334.903†	210971.4	8.007	mg/L	0.0261	16.01	mg/L	0.052	0.33%
Tl 190.801†	-18.4	-0.02544	mg/L	0.002383	-0.05089	mg/L	0.004766	9.37%
V 292.402†	118276.6	0.4420	mg/L	0.00170	0.8841	mg/L	0.00340	0.38%
Zn 206.200†	639.4	0.6315	mg/L	0.00400	1.263	mg/L	0.0080	0.63%

Sequence No.: 14
Sample ID: JQ77 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 32
Date Collected: 8/7/2006 1:46:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 H SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1579317.8	97.49	%	0.351				0.36%
ScR 361.383	214102.6	105.4	%	0.38				0.36%
Ag 328.068†	15976.1	0.06192	mg/L	0.000051	0.1238	mg/L	0.00010	0.08%
Al 308.215†	172462.6	125.3	mg/L	5.65	250.6	mg/L	11.31	4.51%
As 188.979†	75.7	0.04783	mg/L	0.005385	0.09565	mg/L	0.010770	11.26%
B 249.677†	105.9	0.03349	mg/L	0.002512	0.06699	mg/L	0.005024	7.50%
Ba 233.527†	1259.6	0.3636	mg/L	0.01390	0.7273	mg/L	0.02781	3.82%
Be 313.042†	1477.0	0.00164	mg/L	0.000128	0.00328	mg/L	0.000255	7.78%
Ca 317.933†	1404614.9	65.48	mg/L	2.917	131.0	mg/L	5.83	4.46%
Cd 228.802†	461.0	0.01278	mg/L	0.000154	0.02556	mg/L	0.000307	1.20%
Co 228.616†	8024.0	0.2138	mg/L	0.00073	0.4277	mg/L	0.00146	0.34%
Cr 267.716†	3621.6	0.4382	mg/L	0.01861	0.8764	mg/L	0.03722	4.25%
Cu 324.752†	65888.6	0.2670	mg/L	0.00047	0.5340	mg/L	0.00095	0.18%
Fe 273.955†	185714.7	185.9	mg/L	8.08	371.8	mg/L	16.16	4.35%
K 766.490†	13148.1	9.415	mg/L	0.4030	18.83	mg/L	0.806	4.28%
Mg 279.077†	123343.1	82.97	mg/L	3.701	165.9	mg/L	7.40	4.46%
Mn 257.610†	79089.0	2.760	mg/L	0.1211	5.520	mg/L	0.2423	4.39%
Mo 202.031†	88.3	0.00968	mg/L	0.000587	0.01935	mg/L	0.001175	6.07%
Na 589.592†	28557.5	4.412	mg/L	0.1909	8.823	mg/L	0.3818	4.33%
Na 330.237†	106.9	4.795	mg/L	0.0813	9.590	mg/L	0.1625	1.70%
Ni 231.604†	560.3	0.2826	mg/L	0.01142	0.5651	mg/L	0.02284	4.04%
Pb 220.353†	867.1	0.1252	mg/L	0.00194	0.2504	mg/L	0.00388	1.55%
Sb 206.836†	15.8	0.01607	mg/L	0.002029	0.03214	mg/L	0.004059	12.63%
Se 196.026†	-72.9	-0.05969	mg/L	0.007213	-0.1194	mg/L	0.01443	12.08%
Si 288.158†	1274.4	0.8797	mg/L	0.03632	1.759	mg/L	0.0726	4.13%
Sn 189.927†	-52.2	-0.00436	mg/L	0.000891	-0.00872	mg/L	0.001782	20.43%
Sr 421.552†	213360.6	0.2945	mg/L	0.01322	0.5890	mg/L	0.02643	4.49%
Ti 334.903†	203537.9	7.724	mg/L	0.3473	15.45	mg/L	0.695	4.50%
Tl 190.801†	-20.5	-0.02777	mg/L	0.001514	-0.05554	mg/L	0.003029	5.45%
V 292.402†	117431.3	0.4400	mg/L	0.00082	0.8801	mg/L	0.00163	0.19%
Zn 206.200†	467.0	0.4596	mg/L	0.01452	0.9192	mg/L	0.02904	3.16%

Sequence No.: 15
Sample ID: JQ77 I SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 33
Date Collected: 8/7/2006 1:52:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 I SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 I SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1582460.1	97.68	%	0.824				0.84%
ScR 361.383	212570.3	104.7	%	0.95				0.91%
Ag 328.068†	-2191.3	-0.00101	mg/L	0.000040	-0.00201	mg/L	0.000079	3.94%
Al 308.215†	159489.4	115.9	mg/L	0.76	231.8	mg/L	1.53	0.66%
As 188.979†	74.1	0.04494	mg/L	0.000266	0.08988	mg/L	0.000532	0.59%
B 249.677†	113.6	0.03534	mg/L	0.004327	0.07069	mg/L	0.008655	12.24%
Ba 233.527†	1188.6	0.3441	mg/L	0.00324	0.6882	mg/L	0.00648	0.94%
Be 313.042†	1403.3	0.00157	mg/L	0.000047	0.00315	mg/L	0.000094	2.98%
Ca 317.933†	1611774.9	75.13	mg/L	0.394	150.3	mg/L	0.79	0.52%
Cd 228.802†	54.3	0.00001	mg/L	0.000063	0.00001	mg/L	0.000126	864.00%
Co 228.616†	2473.9	0.05442	mg/L	0.000701	0.1088	mg/L	0.00140	1.29%
Cr 267.716†	1835.0	0.2235	mg/L	0.00227	0.4470	mg/L	0.00455	1.02%
Cu 324.752†	26226.2	0.1132	mg/L	0.00046	0.2263	mg/L	0.00093	0.41%
Fe 273.955†	161652.5	161.8	mg/L	0.42	323.6	mg/L	0.84	0.26%
K 766.490†	9763.7	6.991	mg/L	0.1075	13.98	mg/L	0.215	1.54%
Mg 279.077†	93729.7	63.03	mg/L	1.172	126.1	mg/L	2.34	1.86%
Mn 257.610†	67125.4	2.342	mg/L	0.0381	4.685	mg/L	0.0762	1.63%
Mo 202.031†	59.1	0.00701	mg/L	0.000094	0.01402	mg/L	0.000188	1.34%
Na 589.592†	17098.8	2.641	mg/L	0.0386	5.283	mg/L	0.0772	1.46%
Na 330.237†	54.8	3.164	mg/L	0.5253	6.328	mg/L	1.0506	16.60%
Ni 231.604†	415.2	0.2094	mg/L	0.00234	0.4187	mg/L	0.00467	1.12%
Pb 220.353†	77.7	0.03167	mg/L	0.000361	0.06334	mg/L	0.000723	1.14%
Sb 206.836†	12.5	0.01676	mg/L	0.003208	0.03352	mg/L	0.006416	19.14%
Se 196.026†	-56.6	-0.04654	mg/L	0.007257	-0.09308	mg/L	0.014514	15.59%
Si 288.158†	1867.0	1.288	mg/L	0.0170	2.576	mg/L	0.0340	1.32%
Sn 189.927†	-55.7	-0.00307	mg/L	0.002294	-0.00614	mg/L	0.004588	74.72%
Sr 421.552†	252969.1	0.3492	mg/L	0.00210	0.6983	mg/L	0.00420	0.60%
Ti 334.903†	219958.8	8.348	mg/L	0.0435	16.70	mg/L	0.087	0.52%
Tl 190.801†	-19.1	-0.02634	mg/L	0.005431	-0.05269	mg/L	0.010863	20.62%
V 292.402†	108810.6	0.4058	mg/L	0.00179	0.8117	mg/L	0.00357	0.44%
Zn 206.200†	327.3	0.3217	mg/L	0.00536	0.6434	mg/L	0.01073	1.67%

Sequence No.: 16
Sample ID: JQ77 REF SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 34
Date Collected: 8/7/2006 1:58:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 REF SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 REF SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1578889.5	97.46	%	0.416				0.43%
ScR 361.383	211086.6	104.0	%	0.52				0.50%
Ag 328.068†	334613.6	1.147	mg/L	0.0040	2.293	mg/L	0.0079	0.35%
Al 308.215†	123200.6	89.51	mg/L	1.853	179.0	mg/L	3.71	2.07%
As 188.979†	966.4	1.037	mg/L	0.0176	2.074	mg/L	0.0352	1.70%
B 249.677†	2069.0	0.6853	mg/L	0.01469	1.371	mg/L	0.0294	2.14%
Ba 233.527†	5375.7	1.600	mg/L	0.0346	3.200	mg/L	0.0692	2.16%
Be 313.042†	327359.7	0.5146	mg/L	0.01012	1.029	mg/L	0.0202	1.97%
Ca 317.933†	824326.6	38.43	mg/L	0.734	76.85	mg/L	1.469	1.91%
Cd 228.802†	18262.0	0.5825	mg/L	0.00683	1.165	mg/L	0.0137	1.17%
Co 228.616†	27606.2	0.7818	mg/L	0.00486	1.564	mg/L	0.0097	0.62%
Cr 267.716†	5654.9	0.6866	mg/L	0.01409	1.373	mg/L	0.0282	2.05%
Cu 324.752†	233833.5	0.9047	mg/L	0.00224	1.809	mg/L	0.0045	0.25%
Fe 273.955†	129892.3	130.0	mg/L	2.57	260.0	mg/L	5.14	1.98%
K 766.490†	34327.3	24.58	mg/L	0.500	49.16	mg/L	1.001	2.04%
Mg 279.077†	44459.3	29.86	mg/L	0.576	59.73	mg/L	1.151	1.93%
Mn 257.610†	132343.3	4.622	mg/L	0.0871	9.243	mg/L	0.1742	1.88%
Mo 202.031†	2345.3	0.2367	mg/L	0.00261	0.4735	mg/L	0.00522	1.10%
Na 589.592†	15139.8	2.339	mg/L	0.0499	4.678	mg/L	0.0999	2.13%
Na 330.237†	79.0	2.529	mg/L	0.1637	5.058	mg/L	0.3274	6.47%
Ni 231.604†	1089.0	0.5494	mg/L	0.01472	1.099	mg/L	0.0294	2.68%
Pb 220.353†	10642.3	1.250	mg/L	0.0175	2.501	mg/L	0.0350	1.40%
Sb 206.836†	521.2	0.5022	mg/L	0.00937	1.004	mg/L	0.0187	1.87%
Se 196.026†	1397.8	1.079	mg/L	0.0118	2.159	mg/L	0.0236	1.09%
Si 288.158†	5158.3	3.558	mg/L	0.0720	7.117	mg/L	0.1440	2.02%
Sn 189.927†	4136.2	0.9764	mg/L	0.01235	1.953	mg/L	0.0247	1.26%
Sr 421.552†	395563.6	0.5460	mg/L	0.01143	1.092	mg/L	0.0229	2.09%
Ti 334.903†	91076.9	3.456	mg/L	0.0709	6.912	mg/L	0.1418	2.05%
Tl 190.801†	2055.5	1.907	mg/L	0.0151	3.814	mg/L	0.0302	0.79%
V 292.402†	328675.5	1.236	mg/L	0.0059	2.472	mg/L	0.0117	0.47%
Zn 206.200†	2493.3	2.473	mg/L	0.0606	4.947	mg/L	0.1212	2.45%

Sequence No.: 17
Sample ID: JR76 MBSPK WMN
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 35
Date Collected: 8/7/2006 2:05:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR76 MBSPK WMN

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR76 MBSPK WMN

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1602317.5	98.91	%	0.337				0.34%
ScR 361.383	211629.0	104.2	%	0.89				0.86%
Ag 328.068†	137072.1	0.4680	mg/L	0.01232	0.4680	mg/L	0.01232	2.63%
Al 308.215†	2807.9	2.032	mg/L	0.0264	2.032	mg/L	0.0264	1.30%
As 188.979†	1899.7	2.077	mg/L	0.0048	2.077	mg/L	0.0048	0.23%
B 249.677†	19.4	0.00731	mg/L	0.000811	0.00731	mg/L	0.000811	11.10%
Ba 233.527†	6505.5	1.948	mg/L	0.0227	1.948	mg/L	0.0227	1.17%
Be 313.042†	325044.4	0.5121	mg/L	0.00218	0.5121	mg/L	0.00218	0.43%
Ca 317.933†	216471.9	10.09	mg/L	0.044	10.09	mg/L	0.044	0.44%
Cd 228.802†	16570.9	0.5282	mg/L	0.00807	0.5282	mg/L	0.00807	1.53%
Co 228.616†	17458.3	0.4988	mg/L	0.00775	0.4988	mg/L	0.00775	1.55%
Cr 267.716†	4077.7	0.4911	mg/L	0.00509	0.4911	mg/L	0.00509	1.04%
Cu 324.752†	129405.7	0.4949	mg/L	0.00724	0.4949	mg/L	0.00724	1.46%
Fe 273.955†	4680.3	4.683	mg/L	0.0310	4.683	mg/L	0.0310	0.66%
K 766.490†	14619.6	10.47	mg/L	0.037	10.47	mg/L	0.037	0.35%
Mg 279.077†	15420.8	10.39	mg/L	0.049	10.39	mg/L	0.049	0.47%
Mn 257.610†	14631.9	0.5113	mg/L	0.00310	0.5113	mg/L	0.00310	0.61%
Mo 202.031†	86.5	0.00848	mg/L	0.000266	0.00848	mg/L	0.000266	3.13%
Na 589.592†	66685.2	10.30	mg/L	0.066	10.30	mg/L	0.066	0.64%
Na 330.237†	326.8	10.66	mg/L	0.295	10.66	mg/L	0.295	2.77%
Ni 231.604†	997.8	0.5031	mg/L	0.00438	0.5031	mg/L	0.00438	0.87%
Pb 220.353†	17665.4	2.046	mg/L	0.0301	2.046	mg/L	0.0301	1.47%
Sb 206.836†	6.2	-0.00018	mg/L	0.002113	-0.00018	mg/L	0.002113	>999.9%
Se 196.026†	2967.9	2.302	mg/L	0.0069	2.302	mg/L	0.0069	0.30%
Si 288.158†	13.3	0.01019	mg/L	0.003687	0.01019	mg/L	0.003687	36.19%
Sn 189.927†	-17.3	-0.00244	mg/L	0.000727	-0.00244	mg/L	0.000727	29.85%
Sr 421.552†	362250.9	0.5000	mg/L	0.00203	0.5000	mg/L	0.00203	0.41%
Ti 334.903†	35.6	0.00124	mg/L	0.000465	0.00124	mg/L	0.000465	37.51%
Tl 190.801†	2247.4	2.091	mg/L	0.0062	2.091	mg/L	0.0062	0.30%
V 292.402†	136164.2	0.5139	mg/L	0.00742	0.5139	mg/L	0.00742	1.44%
Zn 206.200†	517.3	0.5137	mg/L	0.00357	0.5137	mg/L	0.00357	0.70%

Sequence No.: 18
Sample ID: CV 3
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 2:11:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1549553.5	95.65	%	0.615				0.64%
ScR 361.383	209389.1	103.1	%	0.29				0.28%
Ag 328.068†	292128.2	0.9969	mg/L	0.00629	0.9969	mg/L	0.00629	0.63%
Al 308.215†	2802.8	2.000	mg/L	0.0037	2.000	mg/L	0.0037	0.19%
As 188.979†	1868.9	2.040	mg/L	0.0111	2.040	mg/L	0.0111	0.55%
B 249.677†	2985.9	0.9920	mg/L	0.00409	0.9920	mg/L	0.00409	0.41%
Ba 233.527†	3305.4	0.9893	mg/L	0.00329	0.9893	mg/L	0.00329	0.33%
Be 313.042†	631180.3	0.9944	mg/L	0.00152	0.9944	mg/L	0.00152	0.15%
Ca 317.933†	44164.8	2.059	mg/L	0.0038	2.059	mg/L	0.0038	0.18%
Cd 228.802†	32100.5	1.026	mg/L	0.0031	1.026	mg/L	0.0031	0.31%
Co 228.616†	34885.4	0.9962	mg/L	0.00372	0.9962	mg/L	0.00372	0.37%
Cr 267.716†	7983.8	0.9635	mg/L	0.00238	0.9635	mg/L	0.00238	0.25%
Cu 324.752†	271926.2	1.038	mg/L	0.0056	1.038	mg/L	0.0056	0.54%
Fe 273.955†	2028.5	2.028	mg/L	0.0053	2.028	mg/L	0.0053	0.26%
K 766.490†	28310.5	20.27	mg/L	0.080	20.27	mg/L	0.080	0.39%
Mg 279.077†	3065.9	2.070	mg/L	0.0046	2.070	mg/L	0.0046	0.22%
Mn 257.610†	27325.2	0.9549	mg/L	0.00180	0.9549	mg/L	0.00180	0.19%
Mo 202.031†	10039.9	1.008	mg/L	0.0098	1.008	mg/L	0.0098	0.97%
Na 589.592†	322332.9	49.79	mg/L	0.088	49.79	mg/L	0.088	0.18%
Na 330.237†	1527.1	50.82	mg/L	0.247	50.82	mg/L	0.247	0.49%
Ni 231.604†	2006.6	1.013	mg/L	0.0027	1.013	mg/L	0.0027	0.27%
Pb 220.353†	17401.4	2.017	mg/L	0.0139	2.017	mg/L	0.0139	0.69%
Sb 206.836†	2244.8	2.129	mg/L	0.0255	2.129	mg/L	0.0255	1.20%
Se 196.026†	2641.1	2.048	mg/L	0.0164	2.048	mg/L	0.0164	0.80%
Si 288.158†	2947.4	2.034	mg/L	0.0020	2.034	mg/L	0.0020	0.10%
Sn 189.927†	4102.3	0.9663	mg/L	0.00672	0.9663	mg/L	0.00672	0.70%
Sr 421.552†	712270.3	0.9831	mg/L	0.00190	0.9831	mg/L	0.00190	0.19%
Ti 334.903†	26783.2	1.015	mg/L	0.0028	1.015	mg/L	0.0028	0.28%
Tl 190.801†	2166.2	2.015	mg/L	0.0154	2.015	mg/L	0.0154	0.77%
V 292.402†	266345.6	1.006	mg/L	0.0069	1.006	mg/L	0.0069	0.68%
Zn 206.200†	1043.4	1.036	mg/L	0.0027	1.036	mg/L	0.0027	0.26%

Sequence No.: 19
Sample ID: CB 3
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 2:17:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1581459.9	97.62	%	0.434				0.44%
ScR 361.383	209099.6	103.0	%	1.05				1.02%
Ag 328.068†	13.7	0.00005	mg/L	0.000209	0.00005	mg/L	0.000209	447.66%
Al 308.215†	-0.8	-0.00063	mg/L	0.017556	-0.00063	mg/L	0.017556	>999.9%
As 188.979†	7.7	0.00846	mg/L	0.003067	0.00846	mg/L	0.003067	36.27%
B 249.677†	34.2	0.01132	mg/L	0.000913	0.01132	mg/L	0.000913	8.06%
Ba 233.527†	-1.3	-0.00039	mg/L	0.001106	-0.00039	mg/L	0.001106	286.18%
Be 313.042†	-9.3	-0.00002	mg/L	0.000023	-0.00002	mg/L	0.000023	149.25%
Ca 317.933†	-1.0	-0.00004	mg/L	0.001271	-0.00004	mg/L	0.001271	>999.9%
Cd 228.802†	-0.1	-0.00002	mg/L	0.000090	-0.00002	mg/L	0.000090	582.59%
Co 228.616†	3.7	0.00011	mg/L	0.000163	0.00011	mg/L	0.000163	154.58%
Cr 267.716†	9.8	0.00118	mg/L	0.000743	0.00118	mg/L	0.000743	63.03%
Cu 324.752†	224.0	0.00085	mg/L	0.000145	0.00085	mg/L	0.000145	16.90%
Fe 273.955†	0.6	0.00057	mg/L	0.001363	0.00057	mg/L	0.001363	238.78%
K 766.490†	114.4	0.08190	mg/L	0.035261	0.08190	mg/L	0.035261	43.05%
Mg 279.077†	10.2	0.00687	mg/L	0.008211	0.00687	mg/L	0.008211	119.55%
Mn 257.610†	10.0	0.00035	mg/L	0.000045	0.00035	mg/L	0.000045	12.99%
Mo 202.031†	11.1	0.00112	mg/L	0.000140	0.00112	mg/L	0.000140	12.48%
Na 589.592†	7.2	0.00112	mg/L	0.003037	0.00112	mg/L	0.003037	271.75%
Na 330.237†	20.6	0.6868	mg/L	0.81528	0.6868	mg/L	0.81528	118.71%
Ni 231.604†	-5.9	-0.00300	mg/L	0.000879	-0.00300	mg/L	0.000879	29.33%
Pb 220.353†	32.2	0.00373	mg/L	0.000249	0.00373	mg/L	0.000249	6.68%
Sb 206.836†	2.9	0.00272	mg/L	0.000736	0.00272	mg/L	0.000736	27.08%
Se 196.026†	2.6	0.00202	mg/L	0.003852	0.00202	mg/L	0.003852	190.80%
Si 288.158†	8.8	0.00604	mg/L	0.000275	0.00604	mg/L	0.000275	4.55%
Sn 189.927†	8.8	0.00206	mg/L	0.000838	0.00206	mg/L	0.000838	40.65%
Sr 421.552†	44.2	0.00006	mg/L	0.000070	0.00006	mg/L	0.000070	115.35%
Ti 334.903†	-0.2	-0.00001	mg/L	0.000489	-0.00001	mg/L	0.000489	>999.9%
Tl 190.801†	3.2	0.00297	mg/L	0.001629	0.00297	mg/L	0.001629	54.87%
V 292.402†	87.8	0.00034	mg/L	0.000065	0.00034	mg/L	0.000065	19.31%
Zn 206.200†	2.3	0.00228	mg/L	0.001127	0.00228	mg/L	0.001127	49.35%

Analysis Begun

Start Time: 8/7/2006 2:22:47 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 8/7/2006 9:54:30 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0807B.sif
Batch ID:
Results Data Set: PE060807
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: JQ35R MB1 SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X
Autosampler Location: 36
Date Collected: 8/7/2006 2:22:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R MB1 SWC

Analyte	Back Pressure	Flow
All	159.0 kPa	0.50 L/min

Mean Data: JQ35R MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1599574.5	98.74	%	0.736				0.75%
ScR 361.383	212776.1	104.8	%	0.59				0.56%
Ag 328.068†	-18.9	-0.00006	mg/L	0.000153	-0.00013	mg/L	0.000307	239.94%
Al 308.215†	117.3	0.08522	mg/L	0.011384	0.1704	mg/L	0.02277	13.36%
As 188.979†	5.6	0.00613	mg/L	0.002223	0.01226	mg/L	0.004445	36.26%
B 249.677†	28.3	0.00936	mg/L	0.000480	0.01872	mg/L	0.000960	5.13%
Ba 233.527†	1.0	0.00031	mg/L	0.000686	0.00061	mg/L	0.001372	223.84%
Be 313.042†	-10.9	-0.00002	mg/L	0.000035	-0.00003	mg/L	0.000070	200.51%
Ca 317.933†	2914.1	0.1358	mg/L	0.00097	0.2717	mg/L	0.00194	0.71%
Cd 228.802†	7.0	0.00022	mg/L	0.000063	0.00043	mg/L	0.000125	29.02%
Co 228.616†	4.4	0.00012	mg/L	0.000110	0.00024	mg/L	0.000220	91.87%
Cr 267.716†	8.3	0.00100	mg/L	0.000575	0.00201	mg/L	0.001150	57.31%
Cu 324.752†	198.1	0.00076	mg/L	0.000219	0.00151	mg/L	0.000438	28.92%
Fe 273.955†	10.8	0.01086	mg/L	0.002133	0.02172	mg/L	0.004266	19.64%
K 766.490†	34.6	0.02479	mg/L	0.024936	0.04957	mg/L	0.049871	100.60%
Mg 279.077†	39.8	0.02680	mg/L	0.012715	0.05359	mg/L	0.025429	47.45%
Mn 257.610†	15.2	0.00053	mg/L	0.000082	0.00106	mg/L	0.000163	15.39%
Mo 202.031†	2.9	0.00029	mg/L	0.000254	0.00059	mg/L	0.000508	86.07%
Na 589.592†	1.8	0.00029	mg/L	0.006484	0.00057	mg/L	0.012968	>999.9%
Na 330.237†	-1.4	-0.05432	mg/L	0.371726	-0.1086	mg/L	0.74345	684.28%
Ni 231.604†	1.4	0.00072	mg/L	0.002103	0.00144	mg/L	0.004206	292.37%
Pb 220.353†	23.8	0.00277	mg/L	0.000297	0.00554	mg/L	0.000593	10.72%
Sb 206.836†	1.6	0.00153	mg/L	0.001262	0.00306	mg/L	0.002524	82.47%
Se 196.026†	-0.2	-0.00012	mg/L	0.006948	-0.00023	mg/L	0.013895	>999.9%
Si 288.158†	11.4	0.00788	mg/L	0.004512	0.01577	mg/L	0.009023	57.22%
Sn 189.927†	5.4	0.00129	mg/L	0.000192	0.00257	mg/L	0.000384	14.91%
Sr 421.552†	157.8	0.00022	mg/L	0.000046	0.00044	mg/L	0.000092	21.19%
Ti 334.903†	120.5	0.00457	mg/L	0.000360	0.00914	mg/L	0.000719	7.87%
Tl 190.801†	3.1	0.00289	mg/L	0.002691	0.00579	mg/L	0.005381	92.98%
V 292.402†	58.6	0.0022	mg/L	0.000045	0.00045	mg/L	0.000091	20.18%
Zn 206.200†	24.5	0.02436	mg/L	0.001731	0.04872	mg/L	0.003463	7.11%

Sequence No.: 2
Sample ID: JQ35R ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 37
Date Collected: 8/7/2006 2:29:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R ADUP SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ35R ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1635165.1	100.9	%	0.47				0.46%
ScR 361.383	220865.9	108.8	%	0.33				0.31%
Ag 328.068†	-1630.5	0.00342	mg/L	0.000183	0.00684	mg/L	0.000366	5.35%
Al 308.215†	273752.7	198.9	mg/L	0.74	397.9	mg/L	1.48	0.37%
As 188.979†	91.4	0.05486	mg/L	0.001532	0.1097	mg/L	0.00306	2.79%
B 249.677†	68.9	0.01994	mg/L	0.003383	0.03988	mg/L	0.006765	16.96%
Ba 233.527†	3018.2	0.8874	mg/L	0.00499	1.775	mg/L	0.0100	0.56%
Be 313.042†	2536.9	0.00309	mg/L	0.000058	0.00617	mg/L	0.000116	1.88%
Ca 317.933†	814264.9	37.96	mg/L	0.135	75.91	mg/L	0.271	0.36%
Cd 228.802†	312.4	0.00758	mg/L	0.000041	0.01517	mg/L	0.000082	0.54%
Co 228.616†	3973.1	0.09496	mg/L	0.000576	0.1899	mg/L	0.00115	0.61%
Cr 267.716†	1640.6	0.2083	mg/L	0.00101	0.4165	mg/L	0.00202	0.48%
Cu 324.752†	89918.8	0.3624	mg/L	0.00132	0.7248	mg/L	0.00265	0.37%
Fe 273.955†	224320.8	224.5	mg/L	0.44	449.0	mg/L	0.87	0.19%
K 766.490†	9185.5	6.577	mg/L	0.0232	13.15	mg/L	0.046	0.35%
Mg 279.077†	58920.8	39.53	mg/L	0.149	79.07	mg/L	0.298	0.38%
Mn 257.610†	93097.8	3.250	mg/L	0.0097	6.500	mg/L	0.0195	0.30%
Mo 202.031†	66.8	0.01017	mg/L	0.000413	0.02035	mg/L	0.000826	4.06%
Na 589.592†	34685.1	5.358	mg/L	0.0119	10.72	mg/L	0.024	0.22%
Na 330.237†	125.6	5.758	mg/L	0.2306	11.52	mg/L	0.461	4.00%
Ni 231.604†	346.6	0.1748	mg/L	0.00071	0.3496	mg/L	0.00143	0.41%
Pb 220.353†	9342.8	1.120	mg/L	0.0085	2.240	mg/L	0.0170	0.76%
Sb 206.836†	15.9	0.02220	mg/L	0.005313	0.04439	mg/L	0.010627	23.94%
Se 196.026†	-82.9	-0.06800	mg/L	0.007450	-0.1360	mg/L	0.01490	10.96%
Si 288.158†	3117.1	2.150	mg/L	0.0339	4.300	mg/L	0.0678	1.58%
Sn 189.927†	-8.9	0.00177	mg/L	0.001457	0.00355	mg/L	0.002914	82.18%
Sr 421.552†	353348.8	0.4877	mg/L	0.00167	0.9754	mg/L	0.00334	0.34%
Ti 334.903†	252902.7	9.598	mg/L	0.0238	19.20	mg/L	0.048	0.25%
Tl 190.801†	-14.2	-0.02338	mg/L	0.003697	-0.04676	mg/L	0.007394	15.81%
V 292.402†	156193.2	0.5828	mg/L	0.00233	1.166	mg/L	0.0047	0.40%
Zn 206.200†	1954.1	1.936	mg/L	0.0146	3.871	mg/L	0.0292	0.76%

Sequence No.: 3
Sample ID: JQ35R A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 38
Date Collected: 8/7/2006 2:35:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R A SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ35R A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1632957.2	100.8	%	0.75				0.74%
ScR 361.383	219602.7	108.1	%	1.13				1.04%
Ag 328.068†	-2020.8	0.00199	mg/L	0.000079	0.00397	mg/L	0.000158	3.98%
Al 308.215†	269382.8	195.8	mg/L	1.93	391.5	mg/L	3.87	0.99%
As 188.979†	100.3	0.06602	mg/L	0.001923	0.1320	mg/L	0.00385	2.91%
B 249.677†	60.9	0.01740	mg/L	0.000313	0.03479	mg/L	0.000625	1.80%
Ba 233.527†	2934.5	0.8625	mg/L	0.01215	1.725	mg/L	0.0243	1.41%
Be 313.042†	2507.4	0.00305	mg/L	0.000047	0.00610	mg/L	0.000094	1.54%
Ca 317.933†	794104.1	37.02	mg/L	0.276	74.03	mg/L	0.551	0.74%
Cd 228.802†	305.0	0.00736	mg/L	0.000180	0.01471	mg/L	0.000360	2.45%
Co 228.616†	3988.6	0.09610	mg/L	0.001170	0.1922	mg/L	0.00234	1.22%
Cr 267.716†	1571.5	0.1998	mg/L	0.00233	0.3996	mg/L	0.00467	1.17%
Cu 324.752†	89129.2	0.3592	mg/L	0.00048	0.7185	mg/L	0.00097	0.13%
Fe 273.955†	221973.5	222.2	mg/L	2.18	444.3	mg/L	4.36	0.98%
K 766.490†	8991.8	6.439	mg/L	0.0994	12.88	mg/L	0.199	1.54%
Mg 279.077†	58384.0	39.17	mg/L	0.387	78.35	mg/L	0.774	0.99%
Mn 257.610†	93569.9	3.266	mg/L	0.0299	6.533	mg/L	0.0597	0.91%
Mo 202.031†	31.5	0.00657	mg/L	0.000108	0.01314	mg/L	0.000215	1.64%
Na 589.592†	33459.8	5.169	mg/L	0.0497	10.34	mg/L	0.099	0.96%
Na 330.237†	121.4	5.564	mg/L	0.3393	11.13	mg/L	0.679	6.10%
Ni 231.604†	355.1	0.1791	mg/L	0.00099	0.3581	mg/L	0.00198	0.55%
Pb 220.353†	9666.4	1.157	mg/L	0.0052	2.314	mg/L	0.0105	0.45%
Sb 206.836†	19.9	0.02575	mg/L	0.006904	0.05150	mg/L	0.013808	26.81%
Se 196.026†	-91.4	-0.07461	mg/L	0.002389	-0.1492	mg/L	0.00478	3.20%
Si 288.158†	2862.7	1.974	mg/L	0.0044	3.949	mg/L	0.0087	0.22%
Sn 189.927†	-8.7	0.00175	mg/L	0.000756	0.00349	mg/L	0.001513	43.28%
Sr 421.552†	350859.4	0.4843	mg/L	0.00440	0.9685	mg/L	0.00881	0.91%
Ti 334.903†	242200.7	9.192	mg/L	0.0891	18.38	mg/L	0.178	0.97%
Tl 190.801†	-13.0	-0.02191	mg/L	0.004500	-0.04381	mg/L	0.008999	20.54%
V 292.402†	154249.1	0.5757	mg/L	0.00046	1.151	mg/L	0.0009	0.08%
Zn 206.200†	1805.0	1.788	mg/L	0.0250	3.575	mg/L	0.0501	1.40%

Sequence No.: 4
Sample ID: JQ35R ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 39
Date Collected: 8/7/2006 2:41:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R ASPK SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ35R ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1629936.5	100.6	%	0.50				0.49%
ScR 361.383	221799.6	109.2	%	0.61				0.56%
Ag 328.068†	139541.6	0.4850	mg/L	0.00098	0.9701	mg/L	0.00197	0.20%
Al 308.215†	275548.3	200.2	mg/L	4.41	400.5	mg/L	8.83	2.20%
As 188.979†	1802.5	1.927	mg/L	0.0063	3.854	mg/L	0.0126	0.33%
B 249.677†	64.2	0.01933	mg/L	0.001636	0.03866	mg/L	0.003272	8.46%
Ba 233.527†	9127.7	2.717	mg/L	0.0544	5.434	mg/L	0.1089	2.00%
Be 313.042†	306676.7	0.4823	mg/L	0.01004	0.9645	mg/L	0.02008	2.08%
Ca 317.933†	1013517.4	47.24	mg/L	0.984	94.49	mg/L	1.968	2.08%
Cd 228.802†	15454.6	0.4903	mg/L	0.00253	0.9807	mg/L	0.00505	0.52%
Co 228.616†	19862.1	0.5498	mg/L	0.00271	1.100	mg/L	0.0054	0.49%
Cr 267.716†	5335.1	0.6527	mg/L	0.01419	1.305	mg/L	0.0284	2.17%
Cu 324.752†	237592.5	0.9264	mg/L	0.00266	1.853	mg/L	0.0053	0.29%
Fe 273.955†	221201.3	221.4	mg/L	3.63	442.8	mg/L	7.25	1.64%
K 766.490†	21915.1	15.69	mg/L	0.327	31.38	mg/L	0.654	2.08%
Mg 279.077†	72691.6	48.82	mg/L	1.075	97.63	mg/L	2.151	2.20%
Mn 257.610†	104480.3	3.648	mg/L	0.0724	7.295	mg/L	0.1448	1.98%
Mo 202.031†	35.1	0.00680	mg/L	0.000457	0.01360	mg/L	0.000915	6.73%
Na 589.592†	96191.9	14.86	mg/L	0.308	29.72	mg/L	0.615	2.07%
Na 330.237†	422.0	15.31	mg/L	0.354	30.62	mg/L	0.708	2.31%
Ni 231.604†	1259.8	0.6353	mg/L	0.01125	1.271	mg/L	0.0225	1.77%
Pb 220.353†	25601.6	3.003	mg/L	0.0174	6.007	mg/L	0.0347	0.58%
Sb 206.836†	21.5	0.02164	mg/L	0.001824	0.04327	mg/L	0.003648	8.43%
Se 196.026†	2386.3	1.847	mg/L	0.0126	3.695	mg/L	0.0253	0.68%
Si 288.158†	3278.7	2.262	mg/L	0.0371	4.525	mg/L	0.0741	1.64%
Sn 189.927†	-17.6	0.00132	mg/L	0.001722	0.00264	mg/L	0.003443	130.67%
Sr 421.552†	694312.3	0.9583	mg/L	0.02070	1.917	mg/L	0.0414	2.16%
Ti 334.903†	241728.1	9.174	mg/L	0.1949	18.35	mg/L	0.390	2.12%
Tl 190.801†	1943.1	1.798	mg/L	0.0031	3.596	mg/L	0.0063	0.17%
V 292.402†	278641.9	1.045	mg/L	0.0021	2.090	mg/L	0.0042	0.20%
Zn 206.200†	2468.2	2.446	mg/L	0.0500	4.893	mg/L	0.1000	2.04%

Sequence No.: 5
Sample ID: JQ52R B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 40
Date Collected: 8/7/2006 2:47:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R B SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1628808.7	100.5	%	0.81				0.81%
ScR 361.383	218780.1	107.7	%	1.06				0.98%
Ag 328.068†	-1020.4	0.00587	mg/L	0.000166	0.01173	mg/L	0.000332	2.83%
Al 308.215†	265273.4	192.8	mg/L	2.12	385.5	mg/L	4.25	1.10%
As 188.979†	116.9	0.08147	mg/L	0.002359	0.1629	mg/L	0.00472	2.90%
B 249.677†	52.1	0.01431	mg/L	0.001713	0.02862	mg/L	0.003426	11.97%
Ba 233.527†	3052.7	0.8970	mg/L	0.01392	1.794	mg/L	0.0278	1.55%
Be 313.042†	2408.3	0.00278	mg/L	0.000107	0.00556	mg/L	0.000214	3.84%
Ca 317.933†	891851.4	41.57	mg/L	0.377	83.15	mg/L	0.755	0.91%
Cd 228.802†	594.9	0.01650	mg/L	0.000233	0.03301	mg/L	0.000466	1.41%
Co 228.616†	4305.0	0.1032	mg/L	0.00100	0.2064	mg/L	0.00199	0.97%
Cr 267.716†	1966.4	0.2485	mg/L	0.00393	0.4969	mg/L	0.00787	1.58%
Cu 324.752†	111917.3	0.4472	mg/L	0.00274	0.8945	mg/L	0.00547	0.61%
Fe 273.955†	233850.2	234.1	mg/L	2.16	468.1	mg/L	4.32	0.92%
K 766.490†	8903.8	6.376	mg/L	0.1426	12.75	mg/L	0.285	2.24%
Mg 279.077†	56424.0	37.85	mg/L	0.374	75.69	mg/L	0.748	0.99%
Mn 257.610†	102709.1	3.586	mg/L	0.0323	7.172	mg/L	0.0645	0.90%
Mo 202.031†	43.3	0.00771	mg/L	0.000156	0.01542	mg/L	0.000313	2.03%
Na 589.592†	34898.0	5.391	mg/L	0.0776	10.78	mg/L	0.155	1.44%
Na 330.237†	129.9	5.620	mg/L	0.0807	11.24	mg/L	0.161	1.44%
Ni 231.604†	402.4	0.2029	mg/L	0.00209	0.4058	mg/L	0.00417	1.03%
Pb 220.353†	24321.4	2.853	mg/L	0.0164	5.706	mg/L	0.0329	0.58%
Sb 206.836†	18.4	0.02471	mg/L	0.002701	0.04943	mg/L	0.005401	10.93%
Se 196.026†	-87.5	-0.07195	mg/L	0.004578	-0.1439	mg/L	0.00916	6.36%
Si 288.158†	2568.6	1.772	mg/L	0.0222	3.543	mg/L	0.0445	1.25%
Sn 189.927†	1.5	0.00487	mg/L	0.001308	0.00974	mg/L	0.002616	26.84%
Sr 421.552†	375562.9	0.5184	mg/L	0.00539	1.037	mg/L	0.0108	1.04%
Ti 334.903†	266993.1	10.13	mg/L	0.100	20.27	mg/L	0.201	0.99%
Tl 190.801†	-18.3	-0.02793	mg/L	0.000708	-0.05586	mg/L	0.001417	2.54%
V 292.402†	173269.0	0.6469	mg/L	0.00394	1.294	mg/L	0.0079	0.61%
Zn 206.200†	3488.7	3.460	mg/L	0.0527	6.920	mg/L	0.1055	1.52%

Sequence No.: 6
Sample ID: JQ52R C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 41
Date Collected: 8/7/2006 2:54:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R C SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1615585.3	99.73	%	0.619				0.62%
ScR 361.383	216766.5	106.7	%	0.40				0.37%
Ag 328.068†	-2534.8	-0.00010	mg/L	0.000037	-0.00019	mg/L	0.000074	38.83%
Al 308.215†	149182.0	108.4	mg/L	2.38	216.8	mg/L	4.76	2.20%
As 188.979†	81.1	0.04829	mg/L	0.001018	0.09659	mg/L	0.002036	2.11%
B 249.677†	41.1	0.00996	mg/L	0.001702	0.01993	mg/L	0.003404	17.08%
Ba 233.527†	2032.6	0.5932	mg/L	0.01460	1.186	mg/L	0.0292	2.46%
Be 313.042†	1814.8	0.00190	mg/L	0.000063	0.00379	mg/L	0.000126	3.31%
Ca 317.933†	884567.5	41.23	mg/L	0.846	82.47	mg/L	1.691	2.05%
Cd 228.802†	155.9	0.00273	mg/L	0.000109	0.00546	mg/L	0.000219	4.01%
Co 228.616†	4275.7	0.1000	mg/L	0.00043	0.2001	mg/L	0.00085	0.43%
Cr 267.716†	982.3	0.1290	mg/L	0.00263	0.2579	mg/L	0.00525	2.04%
Cu 324.752†	46209.3	0.1938	mg/L	0.00028	0.3877	mg/L	0.00055	0.14%
Fe 273.955†	210658.3	210.8	mg/L	4.56	421.7	mg/L	9.12	2.16%
K 766.490†	6991.6	5.006	mg/L	0.1339	10.01	mg/L	0.268	2.68%
Mg 279.077†	48300.1	32.39	mg/L	0.691	64.78	mg/L	1.382	2.13%
Mn 257.610†	70664.5	2.467	mg/L	0.0522	4.934	mg/L	0.1043	2.11%
Mo 202.031†	45.2	0.00616	mg/L	0.000238	0.01233	mg/L	0.000477	3.87%
Na 589.592†	43084.6	6.656	mg/L	0.1320	13.31	mg/L	0.264	1.98%
Na 330.237†	139.6	6.792	mg/L	0.2434	13.58	mg/L	0.487	3.58%
Ni 231.604†	330.9	0.1669	mg/L	0.00341	0.3338	mg/L	0.00683	2.05%
Pb 220.353†	6656.6	0.7917	mg/L	0.00231	1.583	mg/L	0.0046	0.29%
Sb 206.836†	9.4	0.01858	mg/L	0.004034	0.03715	mg/L	0.008068	21.72%
Se 196.026†	-71.2	-0.05806	mg/L	0.005678	-0.1161	mg/L	0.01136	9.78%
Si 288.158†	1701.7	1.174	mg/L	0.0224	2.347	mg/L	0.0448	1.91%
Sn 189.927†	-29.1	-0.00250	mg/L	0.002745	-0.00501	mg/L	0.005489	109.64%
Sr 421.552†	355791.3	0.4911	mg/L	0.01057	0.9821	mg/L	0.02113	2.15%
Ti 334.903†	289619.0	10.99	mg/L	0.237	21.98	mg/L	0.473	2.15%
Tl 190.801†	-12.3	-0.02296	mg/L	0.003765	-0.04592	mg/L	0.007530	16.40%
V 292.402†	164457.6	0.6125	mg/L	0.00024	1.225	mg/L	0.0005	0.04%
Zn 206.200†	968.6	0.9571	mg/L	0.02043	1.914	mg/L	0.0409	2.13%

Sequence No.: 7 SPK
Sample ID: JQ52R ~~ADUP~~ SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 42
Date Collected: 8/7/2006 3:00:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R ADUP SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1633179.6	100.8	%	0.19				0.19%
ScR 361.383	220767.4	108.7	%	0.56				0.51%
Ag 328.068†	138333.3	0.4806	mg/L	0.00117	0.9613	mg/L	0.00233	0.24%
Al 308.215†	254341.1	184.8	mg/L	3.99	369.6	mg/L	7.99	2.16%
As 188.979†	1805.0	1.932	mg/L	0.0072	3.863	mg/L	0.0144	0.37%
B 249.677†	48.9	0.01438	mg/L	0.000730	0.02876	mg/L	0.001459	5.07%
Ba 233.527†	8798.1	2.619	mg/L	0.0963	5.237	mg/L	0.1926	3.68%
Be 313.042†	289987.3	0.4559	mg/L	0.00974	0.9118	mg/L	0.01948	2.14%
Ca 317.933†	996999.5	46.47	mg/L	0.989	92.95	mg/L	1.977	2.13%
Cd 228.802†	15473.2	0.4910	mg/L	0.00180	0.9820	mg/L	0.00359	0.37%
Co 228.616†	19390.0	0.5367	mg/L	0.00246	1.073	mg/L	0.0049	0.46%
Cr 267.716†	5366.5	0.6566	mg/L	0.02284	1.313	mg/L	0.0457	3.48% ✓
Cu 324.752†	259510.7	1.010	mg/L	0.0021	2.019	mg/L	0.0042	0.21%
Fe 273.955†	214853.9	215.0	mg/L	4.41	430.1	mg/L	8.81	2.05%
K 766.490†	20463.8	14.65	mg/L	0.282	29.31	mg/L	0.565	1.93%
Mg 279.077†	65511.6	43.98	mg/L	0.995	87.97	mg/L	1.989	2.26%
Mn 257.610†	108740.1	3.797	mg/L	0.0768	7.595	mg/L	0.1536	2.02%
Mo 202.031†	44.8	0.00754	mg/L	0.000612	0.01508	mg/L	0.001224	8.11%
Na 589.592†	89922.7	13.89	mg/L	0.273	27.78	mg/L	0.546	1.97%
Na 330.237†	408.2	14.34	mg/L	0.376	28.69	mg/L	0.753	2.62%
Ni 231.604†	1231.7	0.6211	mg/L	0.02163	1.242	mg/L	0.0433	3.48%
Pb 220.353†	48823.0	5.689	mg/L	0.0117	11.38	mg/L	0.023	0.21%
Sb 206.836†	28.8	0.02835	mg/L	0.004084	0.05671	mg/L	0.008168	14.40%
Se 196.026†	2342.2	1.813	mg/L	0.0136	3.626	mg/L	0.0272	0.75%
Si 288.158†	2508.3	1.731	mg/L	0.0416	3.462	mg/L	0.0832	2.40%
Sn 189.927†	1.9	0.00608	mg/L	0.001612	0.01216	mg/L	0.003223	26.50%
Sr 421.552†	659355.1	0.9101	mg/L	0.01886	1.820	mg/L	0.0377	2.07%
Ti 334.903†	234721.1	8.908	mg/L	0.1873	17.82	mg/L	0.375	2.10%
Tl 190.801†	1911.8	1.769	mg/L	0.0040	3.538	mg/L	0.0081	0.23%
V 292.402†	281415.1	1.056	mg/L	0.0030	2.111	mg/L	0.0061	0.29%
Zn 206.200†	4254.1	4.221	mg/L	0.1637	8.442	mg/L	0.3274	3.88% ✓

Sequence No.: 8
Sample ID: JQ52R A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 43
Date Collected: 8/7/2006 3:06:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R A SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1623350.2	100.2	%	0.30				0.30%
ScR 361.383	220285.5	108.5	%	0.35				0.33%
Ag 328.068†	-694.0	0.00678	mg/L	0.000058	0.01356	mg/L	0.000115	0.85%
Al 308.215†	271384.1	197.2	mg/L	6.82	394.4	mg/L	13.65	3.46%
As 188.979†	131.1	0.09768	mg/L	0.005997	0.1954	mg/L	0.01199	6.14%
B 249.677†	59.2	0.01681	mg/L	0.000802	0.03361	mg/L	0.001605	4.77%
Ba 233.527†	2991.5	0.8790	mg/L	0.02757	1.758	mg/L	0.0551	3.14%
Be 313.042†	2364.1	0.00273	mg/L	0.000164	0.00546	mg/L	0.000328	6.00%
Ca 317.933†	860425.1	40.11	mg/L	1.357	80.22	mg/L	2.713	3.38%
Cd 228.802†	698.5	0.01985	mg/L	0.000227	0.03969	mg/L	0.000455	1.15%
Co 228.616†	4082.6	0.09771	mg/L	0.001578	0.1954	mg/L	0.00316	1.62%
Cr 267.716†	1918.3	0.2423	mg/L	0.00731	0.4846	mg/L	0.01462	3.02%
Cu 324.752†	140226.1	0.5551	mg/L	0.00197	1.110	mg/L	0.0039	0.35%
Fe 273.955†	229940.7	230.1	mg/L	7.28	460.3	mg/L	14.56	3.16%
K 766.490†	8823.2	6.318	mg/L	0.1756	12.64	mg/L	0.351	2.78%
Mg 279.077†	56173.1	37.68	mg/L	1.289	75.36	mg/L	2.578	3.42%
Mn 257.610†	108564.5	3.791	mg/L	0.1266	7.582	mg/L	0.2532	3.34%
Mo 202.031†	44.2	0.00791	mg/L	0.000761	0.01582	mg/L	0.001522	9.62%
Na 589.592†	33641.2	5.197	mg/L	0.1814	10.39	mg/L	0.363	3.49%
Na 330.237†	137.5	5.657	mg/L	0.3455	11.31	mg/L	0.691	6.11%
Ni 231.604†	399.3	0.2013	mg/L	0.00431	0.4027	mg/L	0.00862	2.14%
Pb 220.353†	34202.1	3.998	mg/L	0.0106	7.996	mg/L	0.0212	0.27%
Sb 206.836†	24.6	0.03028	mg/L	0.007857	0.06057	mg/L	0.015713	25.94%
Se 196.026†	-89.3	-0.07361	mg/L	0.008970	-0.1472	mg/L	0.01794	12.18%
Si 288.158†	3170.8	2.187	mg/L	0.0496	4.374	mg/L	0.0992	2.27%
Sn 189.927†	18.7	0.00882	mg/L	0.001206	0.01764	mg/L	0.002411	13.67%
Sr 421.552†	352545.5	0.4866	mg/L	0.01688	0.9732	mg/L	0.03375	3.47%
Ti 334.903†	256161.8	9.722	mg/L	0.3395	19.44	mg/L	0.679	3.49%
Tl 190.801†	-12.7	-0.02227	mg/L	0.006636	-0.04455	mg/L	0.013272	29.79%
V 292.402†	170477.2	0.6366	mg/L	0.00378	1.273	mg/L	0.0076	0.59%
Zn 206.200†	4002.1	3.970	mg/L	0.1218	7.940	mg/L	0.2435	3.07%

Sequence No.: 9 DUP
Sample ID: JQ52R ~~ASPK~~ SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 44
Date Collected: 8/7/2006 3:12:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R ASPK SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1643449.4	101.4	%	0.39				0.39%
ScR 361.383	220243.4	108.5	%	0.19				0.18%
Ag 328.068†	-784.3	0.00588	mg/L	0.000179	0.01175	mg/L	0.000358	3.04%
Al 308.215†	257108.7	186.8	mg/L	0.74	373.7	mg/L	1.48	0.40%
As 188.979†	119.1	0.08676	mg/L	0.002959	0.1735	mg/L	0.00592	3.41%
B 249.677†	54.0	0.01517	mg/L	0.003720	0.03033	mg/L	0.007440	24.53%
Ba 233.527†	2846.7	0.8367	mg/L	0.00408	1.673	mg/L	0.0082	0.49%
Be 313.042†	2242.4	0.00264	mg/L	0.000011	0.00528	mg/L	0.000022	0.41%
Ca 317.933†	825944.3	38.50	mg/L	0.208	77.00	mg/L	0.416	0.54%
Cd 228.802†	602.2	0.01693	mg/L	0.000160	0.03386	mg/L	0.000319	0.94%
Co 228.616†	3701.3	0.08774	mg/L	0.000402	0.1755	mg/L	0.00080	0.46%
Cr 267.716†	1765.7	0.2232	mg/L	0.00175	0.4463	mg/L	0.00350	0.78%
Cu 324.752†	114107.3	0.4540	mg/L	0.00191	0.9080	mg/L	0.00382	0.42%
Fe 273.955†	214798.7	215.0	mg/L	1.59	430.0	mg/L	3.18	0.74%
K 766.490†	8380.8	6.001	mg/L	0.0620	12.00	mg/L	0.124	1.03%
Mg 279.077†	52695.0	35.35	mg/L	0.098	70.69	mg/L	0.196	0.28%
Mn 257.610†	98746.9	3.448	mg/L	0.0199	6.896	mg/L	0.0398	0.58%
Mo 202.031†	38.3	0.00714	mg/L	0.000041	0.01428	mg/L	0.000082	0.58%
Na 589.592†	32285.0	4.987	mg/L	0.0337	9.975	mg/L	0.0674	0.68%
Na 330.237†	121.0	5.117	mg/L	0.1751	10.23	mg/L	0.350	3.42%
Ni 231.604†	355.7	0.1794	mg/L	0.00229	0.3588	mg/L	0.00459	1.28%
Pb 220.353†	31191.9	3.647	mg/L	0.0121	7.295	mg/L	0.0242	0.33%
Sb 206.836†	19.8	0.02535	mg/L	0.001987	0.05069	mg/L	0.003975	7.84%
Se 196.026†	-66.8	-0.05576	mg/L	0.008178	-0.1115	mg/L	0.01636	14.67%
Si 288.158†	3453.7	2.382	mg/L	0.0119	4.764	mg/L	0.0238	0.50%
Sn 189.927†	-2.7	0.00362	mg/L	0.000930	0.00724	mg/L	0.001860	25.67%
Sr 421.552†	345431.6	0.4768	mg/L	0.00219	0.9535	mg/L	0.00438	0.46%
Ti 334.903†	244845.2	9.292	mg/L	0.0438	18.58	mg/L	0.088	0.47%
Tl 190.801†	-10.1	-0.01933	mg/L	0.007983	-0.03865	mg/L	0.015966	41.31%
V 292.402†	153280.5	0.5722	mg/L	0.00162	1.144	mg/L	0.0032	0.28%
Zn 206.200†	3588.6	3.560	mg/L	0.0187	7.120	mg/L	0.0374	0.53%

Sequence No.: 10
Sample ID: JQ35R MB1SPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 45
Date Collected: 8/7/2006 3:19:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R MB1SPK SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ35R MB1SPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1571037.9	96.98	%	1.178				1.21%
ScR 361.383	206855.8	101.9	%	0.76				0.74%
Ag 328.068†	153886.8	0.5252	mg/L	0.00639	1.050	mg/L	0.0128	1.22%
Al 308.215†	2821.7	2.042	mg/L	0.0839	4.083	mg/L	0.1677	4.11%
As 188.979†	1973.0	2.157	mg/L	0.0269	4.315	mg/L	0.0538	1.25%
B 249.677†	16.1	0.00619	mg/L	0.002622	0.01238	mg/L	0.005244	42.36%
Ba 233.527†	6518.6	1.952	mg/L	0.0678	3.903	mg/L	0.1357	3.48%
Be 313.042†	316869.4	0.4991	mg/L	0.01856	0.9983	mg/L	0.03712	3.72%
Ca 317.933†	213141.2	9.936	mg/L	0.3589	19.87	mg/L	0.718	3.61%
Cd 228.802†	16889.8	0.5383	mg/L	0.00697	1.077	mg/L	0.0139	1.29%
Co 228.616†	18180.2	0.5195	mg/L	0.00779	1.039	mg/L	0.0156	1.50%
Cr 267.716†	4083.4	0.4916	mg/L	0.01740	0.9832	mg/L	0.03480	3.54%
Cu 324.752†	137364.6	0.5250	mg/L	0.00676	1.050	mg/L	0.0135	1.29%
Fe 273.955†	2067.6	2.068	mg/L	0.0826	4.136	mg/L	0.1652	3.99%
K 766.490†	14453.0	10.35	mg/L	0.396	20.70	mg/L	0.792	3.83%
Mg 279.077†	15115.4	10.18	mg/L	0.365	20.37	mg/L	0.730	3.59%
Mn 257.610†	13847.0	0.4839	mg/L	0.01772	0.9679	mg/L	0.03545	3.66%
Mo 202.031†	28.5	0.00266	mg/L	0.000537	0.00532	mg/L	0.001074	20.17%
Na 589.592†	65564.3	10.13	mg/L	0.339	20.26	mg/L	0.677	3.34%
Na 330.237†	321.5	10.48	mg/L	0.132	20.97	mg/L	0.264	1.26%
Ni 231.604†	987.5	0.4980	mg/L	0.01640	0.9959	mg/L	0.03280	3.29%
Pb 220.353†	18482.7	2.141	mg/L	0.0222	4.282	mg/L	0.0444	1.04%
Sb 206.836†	10.1	0.00353	mg/L	0.003841	0.00706	mg/L	0.007682	108.79%
Se 196.026†	2819.7	2.187	mg/L	0.0237	4.374	mg/L	0.0475	1.08%
Si 288.158†	15.5	0.01175	mg/L	0.000709	0.02350	mg/L	0.001418	6.03%
Sn 189.927†	-16.6	-0.00226	mg/L	0.001771	-0.00453	mg/L	0.003543	78.22%
Sr 421.552†	354923.8	0.4899	mg/L	0.01773	0.9798	mg/L	0.03545	3.62%
Ti 334.903†	70.1	0.00255	mg/L	0.000754	0.00511	mg/L	0.001507	29.51%
Tl 190.801†	2279.0	2.120	mg/L	0.0226	4.241	mg/L	0.0453	1.07%
V 292.402†	142729.8	0.5385	mg/L	0.00641	1.077	mg/L	0.0128	1.19%
Zn 206.200†	516.1	0.5127	mg/L	0.01726	1.025	mg/L	0.0345	3.37%

Sequence No.: 11
Sample ID: CV 4
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 3:25:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1552629.6	95.84	%	0.213				0.22%
ScR 361.383	207147.9	102.0	%	0.57				0.55%
Ag 328.068†	295727.8	1.009	mg/L	0.0019	1.009	mg/L	0.0019	0.19%
Al 308.215†	2828.2	2.018	mg/L	0.0128	2.018	mg/L	0.0128	0.63%
As 188.979†	1872.6	2.044	mg/L	0.0105	2.044	mg/L	0.0105	0.51%
B 249.677†	2976.8	0.9890	mg/L	0.00760	0.9890	mg/L	0.00760	0.77%
Ba 233.527†	3306.1	0.9895	mg/L	0.00673	0.9895	mg/L	0.00673	0.68%
Be 313.042†	626574.4	0.9871	mg/L	0.00317	0.9871	mg/L	0.00317	0.32%
Ca 317.933†	43877.1	2.045	mg/L	0.0079	2.045	mg/L	0.0079	0.39%
Cd 228.802†	32206.7	1.030	mg/L	0.0019	1.030	mg/L	0.0019	0.19%
Co 228.616†	34943.9	0.9979	mg/L	0.00299	0.9979	mg/L	0.00299	0.30%
Cr 267.716†	7991.6	0.9644	mg/L	0.00480	0.9644	mg/L	0.00480	0.50%
Cu 324.752†	275547.3	1.052	mg/L	0.0017	1.052	mg/L	0.0017	0.16%
Fe 273.955†	2032.4	2.032	mg/L	0.0146	2.032	mg/L	0.0146	0.72%
K 766.490†	28619.2	20.49	mg/L	0.098	20.49	mg/L	0.098	0.48%
Mg 279.077†	3050.7	2.059	mg/L	0.0111	2.059	mg/L	0.0111	0.54%
Mn 257.610†	27339.4	0.9554	mg/L	0.00618	0.9554	mg/L	0.00618	0.65%
Mo 202.031†	10002.8	1.004	mg/L	0.0026	1.004	mg/L	0.0026	0.26%
Na 589.592†	325735.6	50.32	mg/L	0.143	50.32	mg/L	0.143	0.28%
Na 330.237†	1526.8	50.80	mg/L	0.223	50.80	mg/L	0.223	0.44%
Ni 231.604†	2001.4	1.010	mg/L	0.0059	1.010	mg/L	0.0059	0.59%
Pb 220.353†	17300.3	2.005	mg/L	0.0050	2.005	mg/L	0.0050	0.25%
Sb 206.836†	2257.5	2.141	mg/L	0.0049	2.141	mg/L	0.0049	0.23%
Se 196.026†	2665.7	2.067	mg/L	0.0088	2.067	mg/L	0.0088	0.43%
Si 288.158†	2962.1	2.045	mg/L	0.0147	2.045	mg/L	0.0147	0.72%
Sn 189.927†	4120.7	0.9706	mg/L	0.00425	0.9706	mg/L	0.00425	0.44%
Sr 421.552†	715632.2	0.9877	mg/L	0.00257	0.9877	mg/L	0.00257	0.26%
Ti 334.903†	26719.5	1.013	mg/L	0.0023	1.013	mg/L	0.0023	0.22%
Tl 190.801†	2169.7	2.018	mg/L	0.0006	2.018	mg/L	0.0006	0.03%
V 292.402†	269829.8	1.019	mg/L	0.0017	1.019	mg/L	0.0017	0.17%
Zn 206.200†	1040.0	1.032	mg/L	0.0076	1.032	mg/L	0.0076	0.73%

Sequence No.: 12
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 3:31:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1578727.6	97.45	%	0.217				0.22%
ScR 361.383	201890.5	99.42	%	0.098				0.10%
Ag 328.068†	9.6	0.00003	mg/L	0.000306	0.00003	mg/L	0.000306	930.60%
Al 308.215†	20.6	0.01494	mg/L	0.008185	0.01494	mg/L	0.008185	54.79%
As 188.979†	7.3	0.00794	mg/L	0.003558	0.00794	mg/L	0.003558	44.78%
B 249.677†	23.8	0.00789	mg/L	0.002086	0.00789	mg/L	0.002086	26.43%
Ba 233.527†	-1.9	-0.00057	mg/L	0.000528	-0.00057	mg/L	0.000528	92.97%
Be 313.042†	13.7	0.00002	mg/L	0.000056	0.00002	mg/L	0.000056	262.17%
Ca 317.933†	37.8	0.00176	mg/L	0.001898	0.00176	mg/L	0.001898	107.75%
Cd 228.802†	4.9	0.00014	mg/L	0.000072	0.00014	mg/L	0.000072	49.70%
Co 228.616†	-1.2	-0.00003	mg/L	0.000223	-0.00003	mg/L	0.000223	649.82%
Cr 267.716†	11.6	0.00140	mg/L	0.000420	0.00140	mg/L	0.000420	29.93%
Cu 324.752†	241.0	0.00092	mg/L	0.000084	0.00092	mg/L	0.000084	9.18%
Fe 273.955†	1.8	0.00180	mg/L	0.002308	0.00180	mg/L	0.002308	128.39%
K 766.490†	93.1	0.06668	mg/L	0.023798	0.06668	mg/L	0.023798	35.69%
Mg 279.077†	-14.9	-0.01002	mg/L	0.010926	-0.01002	mg/L	0.010926	109.07%
Mn 257.610†	5.3	0.00019	mg/L	0.000053	0.00019	mg/L	0.000053	28.33%
Mo 202.031†	9.2	0.00092	mg/L	0.000160	0.00092	mg/L	0.000160	17.35%
Na 589.592†	-47.5	-0.00734	mg/L	0.002797	-0.00734	mg/L	0.002797	38.13%
Na 330.237†	6.5	0.2144	mg/L	0.24667	0.2144	mg/L	0.24667	115.07%
Ni 231.604†	-2.7	-0.00134	mg/L	0.001602	-0.00134	mg/L	0.001602	119.63%
Pb 220.353†	46.5	0.00539	mg/L	0.001059	0.00539	mg/L	0.001059	19.65%
Sb 206.836†	-0.5	-0.00044	mg/L	0.002313	-0.00044	mg/L	0.002313	529.39%
Se 196.026†	7.7	0.00598	mg/L	0.003438	0.00598	mg/L	0.003438	57.50%
Si 288.158†	4.8	0.00333	mg/L	0.002311	0.00333	mg/L	0.002311	69.42%
Sn 189.927†	9.5	0.00222	mg/L	0.000048	0.00222	mg/L	0.000048	2.17%
Sr 421.552†	-5.1	-0.00001	mg/L	0.000067	-0.00001	mg/L	0.000067	950.55%
Ti 334.903†	28.6	0.00109	mg/L	0.000666	0.00109	mg/L	0.000666	61.32%
Tl 190.801†	5.7	0.00534	mg/L	0.001434	0.00534	mg/L	0.001434	26.85%
V 292.402†	47.2	0.00019	mg/L	0.000128	0.00019	mg/L	0.000128	68.48%
Zn 206.200†	3.5	0.00347	mg/L	0.001463	0.00347	mg/L	0.001463	42.17%

Sequence No.: 66
Sample ID: JQ52R MB1 SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 86
Date Collected: 8/7/2006 9:17:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R MB1 SWC

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

DCL

Mean Data: JQ52R MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1608814.7	99.31	%	0.176				0.18%
ScR 361.383	209757.1	103.3	%	0.43				0.42%
Ag 328.068†	-32.9	-0.00011	mg/L	0.000265	-0.00022	mg/L	0.000531	237.19%
Al 308.215†	76.9	0.05588	mg/L	0.011092	0.1118	mg/L	0.02218	19.85%
As 188.979†	6.5	0.00706	mg/L	0.004106	0.01412	mg/L	0.008213	58.18%
B 249.677†	24.9	0.00824	mg/L	0.001021	0.01648	mg/L	0.002041	12.39%
Ba 233.527†	-1.0	-0.00029	mg/L	0.001482	-0.00058	mg/L	0.002964	511.61%
Be 313.042†	-58.8	-0.00009	mg/L	0.000027	-0.00019	mg/L	0.000054	28.69%
Ca 317.933†	1860.7	0.08674	mg/L	0.002616	0.1735	mg/L	0.00523	3.02%
Cd 228.802†	5.4	0.00016	mg/L	0.000100	0.00033	mg/L	0.000201	60.88%
Co 228.616†	-0.6	-0.00002	mg/L	0.000170	-0.00004	mg/L	0.000340	767.00%
Cr 267.716†	14.0	0.00169	mg/L	0.000592	0.00339	mg/L	0.001184	34.94%
Cu 324.752†	-67.9	-0.00026	mg/L	0.000132	-0.00052	mg/L	0.000265	50.94%
Fe 273.955†	7.5	0.00751	mg/L	0.001191	0.01502	mg/L	0.002382	15.85%
K 766.490†	105.0	0.07517	mg/L	0.028390	0.1503	mg/L	0.05678	37.77%
Mg 279.077†	24.1	0.01623	mg/L	0.005740	0.03246	mg/L	0.011480	35.37%
Mn 257.610†	7.4	0.00026	mg/L	0.000178	0.00052	mg/L	0.000356	69.08%
Mo 202.031†	6.8	0.00068	mg/L	0.000257	0.00136	mg/L	0.000514	37.68%
Na 589.592†	1249.8	0.1931	mg/L	0.00570	0.3861	mg/L	0.01140	2.95%
Na 330.237†	21.5	0.7108	mg/L	0.18501	1.422	mg/L	0.3700	26.03%
Ni 231.604†	0.5	0.00026	mg/L	0.001453	0.00052	mg/L	0.002905	563.23%
Pb 220.353†	17.3	0.00202	mg/L	0.000289	0.00404	mg/L	0.000578	14.32%
Sb 206.836†	0.9	0.00082	mg/L	0.000835	0.00164	mg/L	0.001669	101.89%
Se 196.026†	9.6	0.00746	mg/L	0.003176	0.01492	mg/L	0.006352	42.58%
Si 288.158†	27.9	0.01924	mg/L	0.002549	0.03848	mg/L	0.005098	13.25%
Sn 189.927†	7.4	0.00176	mg/L	0.001376	0.00352	mg/L	0.002751	78.12%
Sr 421.552†	205.3	0.00028	mg/L	0.000024	0.00057	mg/L	0.000048	8.43%
Ti 334.903†	85.4	0.00324	mg/L	0.000573	0.00648	mg/L	0.001147	17.71%
Tl 190.801†	2.2	0.00203	mg/L	0.003245	0.00406	mg/L	0.006489	159.90%
V 292.402†	86.1	0.00033	mg/L	0.000062	0.00067	mg/L	0.000124	18.54%
Zn 206.200†	17.2	0.01706	mg/L	0.001370	0.03413	mg/L	0.002741	8.03%

Sequence No.: 67 I
Sample ID: JR75 MB SWC
Analyst: BLW
Initial Sample Wt: BLW 45.6
Dilution: 2X

Autosampler Location: 87
Date Collected: 8/7/2006 9:24:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 MB SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR75 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1586068.3	97.90	%	0.427				0.44%
ScR 361.383	205284.8	101.1	%	0.35				0.35%
Ag 328.068†	-2377.8	-0.00153	mg/L	0.000241	-0.00307	mg/L	0.000481	15.68%
Al 308.215†	162932.3	118.4	mg/L	1.09	236.8	mg/L	2.18	0.92%
As 188.979†	79.5	0.05730	mg/L	0.001909	0.1146	mg/L	0.00382	3.33%
B 249.677†	83.0	0.02604	mg/L	0.001008	0.05208	mg/L	0.002017	3.87%
Ba 233.527†	1373.8	0.3992	mg/L	0.00573	0.7985	mg/L	0.01145	1.43%
Be 313.042†	1404.0	0.00162	mg/L	0.000036	0.00325	mg/L	0.000072	2.22%
Ca 317.933†	925333.7	43.13	mg/L	0.403	86.27	mg/L	0.806	0.93%
Cd 228.802†	69.8	0.00047	mg/L	0.000062	0.00094	mg/L	0.000124	13.18%
Co 228.616†	2765.2	0.06603	mg/L	0.000381	0.1321	mg/L	0.00076	0.58%
Cr 267.716†	2267.2	0.2746	mg/L	0.00413	0.5492	mg/L	0.00826	1.50%
Cu 324.752†	33904.4	0.1433	mg/L	0.00018	0.2865	mg/L	0.00035	0.12%
Fe 273.955†	165947.1	166.1	mg/L	0.99	332.2	mg/L	1.98	0.60%
K 766.490†	11935.4	8.546	mg/L	0.0315	17.09	mg/L	0.063	0.37%
Mg 279.077†	108245.9	72.81	mg/L	0.724	145.6	mg/L	1.45	0.99%
Mn 257.610†	77719.3	2.712	mg/L	0.0211	5.425	mg/L	0.0421	0.78%
Mo 202.031†	62.9	0.00721	mg/L	0.000051	0.01442	mg/L	0.000103	0.71%
Na 589.592†	20433.4	3.157	mg/L	0.0165	6.313	mg/L	0.0329	0.52%
Na 330.237†	64.5	3.232	mg/L	0.1568	6.464	mg/L	0.3136	4.85%
Ni 231.604†	647.3	0.3264	mg/L	0.00554	0.6528	mg/L	0.01108	1.70%
Pb 220.353†	364.2	0.06541	mg/L	0.001298	0.1308	mg/L	0.00260	1.98%
Sb 206.836†	14.2	0.01592	mg/L	0.001393	0.03184	mg/L	0.002786	8.75%
Se 196.026†	-55.9	-0.04647	mg/L	0.001395	-0.09294	mg/L	0.002790	3.00%
Si 288.158†	2190.6	1.511	mg/L	0.0065	3.022	mg/L	0.0130	0.43%
Sn 189.927†	-35.7	-0.00394	mg/L	0.001104	-0.00787	mg/L	0.002207	28.03%
Sr 421.552†	164402.6	0.2269	mg/L	0.00181	0.4538	mg/L	0.00362	0.80%
Ti 334.903†	168936.6	6.411	mg/L	0.0547	12.82	mg/L	0.109	0.85%
Tl 190.801†	-12.2	-0.01820	mg/L	0.003390	-0.03640	mg/L	0.006779	18.62%
V 292.402†	100707.2	0.3768	mg/L	0.00044	0.7536	mg/L	0.00089	0.12%
Zn 206.200†	548.4	0.5408	mg/L	0.01137	1.082	mg/L	0.0227	2.10%

Sequence No.: 68
Sample ID: JR75 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 88
Date Collected: 8/7/2006 9:30:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 A SWC

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: JR75 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1577406.2	97.37	%	0.531				0.55%
ScR 361.383	207052.1	102.0	%	0.44				0.44%
Ag 328.068†	-2555.8	-0.00158	mg/L	0.000366	-0.00316	mg/L	0.000732	23.16%
Al 308.215†	159727.0	116.1	mg/L	6.69	232.1	mg/L	13.38	5.77%
As 188.979†	70.0	0.04466	mg/L	0.000890	0.08932	mg/L	0.001780	1.99%
B 249.677†	78.6	0.02445	mg/L	0.001961	0.04889	mg/L	0.003922	8.02%
Ba 233.527†	1263.0	0.3648	mg/L	0.01944	0.7296	mg/L	0.03889	5.33%
Be 313.042†	1402.2	0.00152	mg/L	0.000115	0.00303	mg/L	0.000230	7.57%
Ca 317.933†	1022069.5	47.64	mg/L	2.562	95.29	mg/L	5.123	5.38%
Cd 228.802†	61.2	0.00007	mg/L	0.000137	0.00014	mg/L	0.000274	202.72%
Co 228.616†	3000.6	0.07083	mg/L	0.001375	0.1417	mg/L	0.00275	1.94%
Cr 267.716†	2731.0	0.3293	mg/L	0.01840	0.6585	mg/L	0.03680	5.59%
Cu 324.752†	39196.7	0.1648	mg/L	0.00008	0.3296	mg/L	0.00017	0.05%
Fe 273.955†	183173.8	183.3	mg/L	10.24	366.7	mg/L	20.48	5.59%
K 766.490†	9305.7	6.663	mg/L	0.3157	13.33	mg/L	0.631	4.74%
Mg 279.077†	129369.7	87.03	mg/L	4.725	174.1	mg/L	9.45	5.43%
Mn 257.610†	108913.9	3.802	mg/L	0.2117	7.604	mg/L	0.4234	5.57%
Mo 202.031†	60.4	0.00657	mg/L	0.000290	0.01314	mg/L	0.000580	4.41%
Na 589.592†	16860.0	2.605	mg/L	0.1192	5.209	mg/L	0.2385	4.58%
Na 330.237†	42.5	2.717	mg/L	0.2031	5.435	mg/L	0.4062	7.47%
Ni 231.604†	938.1	0.4731	mg/L	0.02531	0.9462	mg/L	0.05062	5.35%
Pb 220.353†	65.8	0.03052	mg/L	0.001285	0.06105	mg/L	0.002570	4.21%
Sb 206.836†	13.4	0.01516	mg/L	0.002966	0.03031	mg/L	0.005933	19.57%
Se 196.026†	-70.5	-0.05905	mg/L	0.012767	-0.1181	mg/L	0.02553	21.62%
Si 288.158†	1934.1	1.334	mg/L	0.0664	2.669	mg/L	0.1329	4.98%
Sn 189.927†	-47.6	-0.00647	mg/L	0.000964	-0.01294	mg/L	0.001927	14.89%
Sr 421.552†	136418.7	0.1883	mg/L	0.01045	0.3766	mg/L	0.02090	5.55%
Ti 334.903†	191638.0	7.273	mg/L	0.4154	14.55	mg/L	0.831	5.71%
Tl 190.801†	-21.0	-0.02730	mg/L	0.003640	-0.05461	mg/L	0.007279	13.33%
V 292.402†	118511.4	0.4437	mg/L	0.00138	0.8874	mg/L	0.00277	0.31%
Zn 206.200†	375.0	0.3682	mg/L	0.01854	0.7364	mg/L	0.03708	5.04%

2nd run

Sequence No.: 69
Sample ID: JR75 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 89
Date Collected: 8/7/2006 9:36:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 B SWC

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: JR75 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1575743.8	97.27	%	0.365				0.38%
ScR 361.383	212379.8	104.6	%	0.21				0.21%
Ag 328.068†	-1946.1	-0.00059	mg/L	0.000251	-0.00117	mg/L	0.000503	42.84%
Al 308.215†	154458.6	112.2	mg/L	0.32	224.5	mg/L	0.64	0.29%
As 188.979†	65.7	0.04175	mg/L	0.000838	0.08349	mg/L	0.001676	2.01%
B 249.677†	80.9	0.02519	mg/L	0.002259	0.05038	mg/L	0.004518	8.97%
Ba 233.527†	1305.5	0.3798	mg/L	0.00248	0.7596	mg/L	0.00496	0.65%
Be 313.042†	1239.6	0.00140	mg/L	0.000041	0.00280	mg/L	0.000082	2.93%
Ca 317.933†	1222680.3	56.99	mg/L	0.200	114.0	mg/L	0.40	0.35%
Cd 228.802†	59.1	0.00029	mg/L	0.000050	0.00058	mg/L	0.000101	17.34%
Co 228.616†	2552.6	0.06000	mg/L	0.000567	0.1200	mg/L	0.00113	0.95%
Cr 267.716†	1971.6	0.2397	mg/L	0.00261	0.4793	mg/L	0.00523	1.09%
Cu 324.752†	34487.1	0.1443	mg/L	0.00175	0.2885	mg/L	0.00349	1.21%
Fe 273.955†	152274.5	152.4	mg/L	1.11	304.8	mg/L	2.21	0.73%
K 766.490†	12348.8	8.842	mg/L	0.0193	17.68	mg/L	0.039	0.22%
Mg 279.077†	91153.2	61.31	mg/L	0.138	122.6	mg/L	0.28	0.23%
Mn 257.610†	68973.0	2.407	mg/L	0.0100	4.814	mg/L	0.0200	0.42%
Mo 202.031†	59.5	0.00700	mg/L	0.000477	0.01400	mg/L	0.000954	6.81%
Na 589.592†	24827.8	3.835	mg/L	0.0043	7.671	mg/L	0.0086	0.11%
Na 330.237†	104.3	4.514	mg/L	0.1807	9.028	mg/L	0.3613	4.00%
Ni 231.604†	643.1	0.3243	mg/L	0.00194	0.6486	mg/L	0.00387	0.60%
Pb 220.353†	178.0	0.04260	mg/L	0.000714	0.08521	mg/L	0.001429	1.68%
Sb 206.836†	14.2	0.01643	mg/L	0.005000	0.03285	mg/L	0.010001	30.44%
Se 196.026†	-60.3	-0.04951	mg/L	0.001297	-0.09902	mg/L	0.002593	2.62%
Si 288.158†	1799.0	1.241	mg/L	0.0054	2.482	mg/L	0.0109	0.44%
Sn 189.927†	-45.2	-0.00340	mg/L	0.002619	-0.00679	mg/L	0.005238	77.12%
Sr 421.552†	160379.1	0.2214	mg/L	0.00060	0.4427	mg/L	0.00120	0.27%
Ti 334.903†	171407.8	6.505	mg/L	0.0207	13.01	mg/L	0.041	0.32%
Tl 190.801†	-16.8	-0.02252	mg/L	0.007314	-0.04504	mg/L	0.014627	32.48%
V 292.402†	94973.0	0.3550	mg/L	0.00479	0.7099	mg/L	0.00959	1.35%
Zn 206.200†	315.7	0.3102	mg/L	0.00118	0.6204	mg/L	0.00237	0.38%

Sequence No.: 70
Sample ID: JR75 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 90
Date Collected: 8/7/2006 9:43:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 E SWC

Analyte	Back Pressure	Flow
All	163.0 kPa	0.50 L/min

Mean Data: JR75 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1564883.2	96.60	%	0.517				0.53%
ScR 361.383	207891.6	102.4	%	0.63				0.61%
Ag 328.068†	-2225.6	-0.00127	mg/L	0.000390	-0.00253	mg/L	0.000779	30.78%
Al 308.215†	155791.6	113.2	mg/L	6.55	226.4	mg/L	13.10	5.79%
As 188.979†	80.8	0.05970	mg/L	0.002657	0.1194	mg/L	0.00531	4.45%
B 249.677†	91.5	0.02878	mg/L	0.002091	0.05756	mg/L	0.004183	7.27%
Ba 233.527†	1295.4	0.3764	mg/L	0.02096	0.7528	mg/L	0.04192	5.57%
Be 313.042†	1408.1	0.00161	mg/L	0.000106	0.00323	mg/L	0.000213	6.60%
Ca 317.933†	775415.4	36.15	mg/L	2.009	72.29	mg/L	4.019	5.56%
Cd 228.802†	54.8	0.00007	mg/L	0.000108	0.00014	mg/L	0.000215	149.28%
Co 228.616†	2956.9	0.07172	mg/L	0.000940	0.1434	mg/L	0.00188	1.31%
Cr 267.716†	2027.3	0.2461	mg/L	0.01476	0.4923	mg/L	0.02953	6.00%
Cu 324.752†	36492.1	0.1523	mg/L	0.00056	0.3047	mg/L	0.00112	0.37%
Fe 273.955†	156940.5	157.1	mg/L	8.65	314.2	mg/L	17.31	5.51%
K 766.490†	10503.3	7.521	mg/L	0.3973	15.04	mg/L	0.795	5.28%
Mg 279.077†	99718.7	67.07	mg/L	3.646	134.1	mg/L	7.29	5.44%
Mn 257.610†	56606.0	1.975	mg/L	0.1086	3.950	mg/L	0.2171	5.50%
Mo 202.031†	56.7	0.00661	mg/L	0.000322	0.01322	mg/L	0.000644	4.87%
Na 589.592†	18093.8	2.795	mg/L	0.1415	5.590	mg/L	0.2830	5.06%
Na 330.237†	56.7	3.044	mg/L	0.0368	6.087	mg/L	0.0736	1.21%
Ni 231.604†	556.0	0.2804	mg/L	0.01923	0.5608	mg/L	0.03846	6.86%
Pb 220.353†	275.2	0.05405	mg/L	0.001416	0.1081	mg/L	0.00283	2.62%
Sb 206.836†	11.8	0.01411	mg/L	0.003257	0.02822	mg/L	0.006514	23.08%
Se 196.026†	-60.5	-0.04915	mg/L	0.011359	-0.09830	mg/L	0.022719	23.11%
Si 288.158†	2593.4	1.789	mg/L	0.0535	3.578	mg/L	0.1070	2.99%
Sn 189.927†	-31.0	-0.00391	mg/L	0.001912	-0.00783	mg/L	0.003824	48.86%
Sr 421.552†	129217.5	0.1783	mg/L	0.00991	0.3567	mg/L	0.01983	5.56%
Ti 334.903†	167605.5	6.361	mg/L	0.3587	12.72	mg/L	0.717	5.64%
Tl 190.801†	-11.4	-0.01748	mg/L	0.003276	-0.03495	mg/L	0.006551	18.74%
V 292.402†	103633.4	0.3875	mg/L	0.00127	0.7750	mg/L	0.00253	0.33%
Zn 206.200†	460.8	0.4540	mg/L	0.02568	0.9080	mg/L	0.05136	5.66%

2nd run

Sequence No.: 71
Sample ID: JQ52R MB1SPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 91
Date Collected: 8/7/2006 9:49:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R MB1SPK SWC

Analyte	Back Pressure	Flow
All	163.0 kPa	0.50 L/min

Mean Data: JQ52R MB1SPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1569501.6	96.88	%	0.642				0.66%
ScR 361.383	201395.7	99.18	%	0.295				0.30%
Ag 328.068†	156029.9	0.5325	mg/L	0.00293	1.065	mg/L	0.0059	0.55%
Al 308.215†	2901.4	2.100	mg/L	0.1250	4.199	mg/L	0.2501	5.96%
As 188.979†	1994.7	2.181	mg/L	0.0153	4.362	mg/L	0.0305	0.70%
B 249.677†	8.9	0.00381	mg/L	0.002359	0.00761	mg/L	0.004718	61.97%
Ba 233.527†	6689.6	2.003	mg/L	0.1129	4.006	mg/L	0.2259	5.64%
Be 313.042†	316040.5	0.4978	mg/L	0.02797	0.9957	mg/L	0.05594	5.62%
Ca 317.933†	213666.0	9.960	mg/L	0.5346	19.92	mg/L	1.069	5.37%
Cd 228.802†	17123.0	0.5458	mg/L	0.00412	1.092	mg/L	0.0082	0.76%
Co 228.616†	18637.7	0.5326	mg/L	0.00357	1.065	mg/L	0.0071	0.67%
Cr 267.716†	4127.8	0.4969	mg/L	0.02907	0.9938	mg/L	0.05815	5.85%
Cu 324.752†	139943.4	0.5349	mg/L	0.00336	1.070	mg/L	0.0067	0.63%
Fe 273.955†	2013.0	2.013	mg/L	0.1249	4.027	mg/L	0.2499	6.21%
K 766.490†	14907.2	10.67	mg/L	0.555	21.35	mg/L	1.109	5.19%
Mg 279.077†	15591.1	10.50	mg/L	0.572	21.01	mg/L	1.144	5.45%
Mn 257.610†	14018.4	0.4899	mg/L	0.02670	0.9798	mg/L	0.05340	5.45%
Mo 202.031†	25.0	0.00230	mg/L	0.000121	0.00461	mg/L	0.000243	5.27%
Na 589.592†	67434.2	10.42	mg/L	0.550	20.83	mg/L	1.099	5.28%
Na 330.237†	327.8	10.69	mg/L	0.767	21.39	mg/L	1.534	7.17%
Ni 231.604†	1017.6	0.5132	mg/L	0.02849	1.026	mg/L	0.0570	5.55%
Pb 220.353†	18325.0	2.123	mg/L	0.0234	4.245	mg/L	0.0467	1.10%
Sb 206.836†	10.5	0.00381	mg/L	0.002004	0.00763	mg/L	0.004009	52.56%
Se 196.026†	2853.9	2.214	mg/L	0.0129	4.428	mg/L	0.0259	0.58%
Si 288.158†	15.9	0.01199	mg/L	0.007084	0.02399	mg/L	0.014169	59.07%
Sn 189.927†	-11.0	-0.00096	mg/L	0.000387	-0.00192	mg/L	0.000773	40.21%
Sr 421.552†	358054.0	0.4942	mg/L	0.02759	0.9884	mg/L	0.05517	5.58%
Ti 334.903†	123.8	0.00459	mg/L	0.000337	0.00918	mg/L	0.000674	7.34%
Tl 190.801†	2300.5	2.140	mg/L	0.0145	4.281	mg/L	0.0291	0.68%
V 292.402†	142052.2	0.5360	mg/L	0.00307	1.072	mg/L	0.0061	0.57%
Zn 206.200†	530.6	0.5270	mg/L	0.02703	1.054	mg/L	0.0541	5.13%

End run

Sequence No.: 72
Sample ID: CV
Analyst: BLW 10
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 9:55:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1543044.6	95.25	%	0.345				0.36%
ScR 361.383	201829.2	99.39	%	1.104				1.11%
Ag 328.068†	293269.7	1.001	mg/L	0.0074	1.001	mg/L	0.0074	0.74%
Al 308.215†	2849.2	2.033	mg/L	0.0219	2.033	mg/L	0.0219	1.08%
As 188.979†	1855.9	2.026	mg/L	0.0064	2.026	mg/L	0.0064	0.32%
B 249.677†	3037.1	1.009	mg/L	0.0106	1.009	mg/L	0.0106	1.05%
Ba 233.527†	3381.7	1.012	mg/L	0.0115	1.012	mg/L	0.0115	1.13%
Be 313.042†	625700.9	0.9857	mg/L	0.00544	0.9857	mg/L	0.00544	0.55%
Ca 317.933†	43758.0	2.040	mg/L	0.0103	2.040	mg/L	0.0103	0.50%
Cd 228.802†	32121.7	1.027	mg/L	0.0074	1.027	mg/L	0.0074	0.72%
Co 228.616†	35040.4	1.001	mg/L	0.0062	1.001	mg/L	0.0062	0.62%
Cr 267.716†	8052.6	0.9718	mg/L	0.01135	0.9718	mg/L	0.01135	1.17%
Cu 324.752†	271706.1	1.038	mg/L	0.0075	1.038	mg/L	0.0075	0.72%
Fe 273.955†	2003.9	2.003	mg/L	0.0222	2.003	mg/L	0.0222	1.11%
K 766.490†	29213.1	20.92	mg/L	0.085	20.92	mg/L	0.085	0.41%
Mg 279.077†	3102.0	2.094	mg/L	0.0216	2.094	mg/L	0.0216	1.03%
Mn 257.610†	27580.3	0.9638	mg/L	0.01078	0.9638	mg/L	0.01078	1.12%
Mo 202.031†	10002.5	1.004	mg/L	0.0096	1.004	mg/L	0.0096	0.96%
Na 589.592†	329758.2	50.94	mg/L	0.292	50.94	mg/L	0.292	0.57%
Na 330.237†	1519.1	50.54	mg/L	0.598	50.54	mg/L	0.598	1.18%
Ni 231.604†	2048.0	1.034	mg/L	0.0092	1.034	mg/L	0.0092	0.89%
Pb 220.353†	17122.6	1.984	mg/L	0.0176	1.984	mg/L	0.0176	0.89%
Sb 206.836†	2211.7	2.098	mg/L	0.0086	2.098	mg/L	0.0086	0.41%
Se 196.026†	2635.9	2.044	mg/L	0.0104	2.044	mg/L	0.0104	0.51%
Si 288.158†	3009.2	2.077	mg/L	0.0274	2.077	mg/L	0.0274	1.32%
Sn 189.927†	4070.1	0.9586	mg/L	0.00253	0.9586	mg/L	0.00253	0.26%
Sr 421.552†	717381.9	0.9901	mg/L	0.00571	0.9901	mg/L	0.00571	0.58%
Ti 334.903†	26637.8	1.010	mg/L	0.0053	1.010	mg/L	0.0053	0.53%
Tl 190.801†	2157.1	2.006	mg/L	0.0067	2.006	mg/L	0.0067	0.34%
V 292.402†	266788.3	1.007	mg/L	0.0089	1.007	mg/L	0.0089	0.88%
Zn 206.200†	1059.4	1.052	mg/L	0.0163	1.052	mg/L	0.0163	1.55%

Sequence No.: 73
Sample ID: CB
Analyst: BLW 10
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 10:02:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1575148.8	97.23	%	1.348				1.39%
ScR 361.383	196294.6	96.67	%	0.411				0.43%
Ag 328.068†	-56.8	-0.00019	mg/L	0.000133	-0.00019	mg/L	0.000133	68.85%
Al 308.215†	-5.5	-0.00402	mg/L	0.004986	-0.00402	mg/L	0.004986	124.10%
As 188.979†	5.1	0.00556	mg/L	0.003189	0.00556	mg/L	0.003189	57.33%
B 249.677†	19.1	0.00634	mg/L	0.002826	0.00634	mg/L	0.002826	44.61%
Ba 233.527†	-1.1	-0.00032	mg/L	0.000328	-0.00032	mg/L	0.000328	103.51%
Be 313.042†	-36.3	-0.00006	mg/L	0.000044	-0.00006	mg/L	0.000044	76.43%
Ca 317.933†	38.5	0.00179	mg/L	0.000480	0.00179	mg/L	0.000480	26.74%
Cd 228.802†	8.4	0.00026	mg/L	0.000030	0.00026	mg/L	0.000030	11.59%
Co 228.616†	-8.3	-0.00024	mg/L	0.000108	-0.00024	mg/L	0.000108	45.41%
Cr 267.716†	12.3	0.00148	mg/L	0.000913	0.00148	mg/L	0.000913	61.51%
Cu 324.752†	-47.2	-0.00018	mg/L	0.000257	-0.00018	mg/L	0.000257	141.21%
Fe 273.955†	0.3	0.00030	mg/L	0.002335	0.00030	mg/L	0.002335	778.73%
K 766.490†	140.6	0.1007	mg/L	0.02556	0.1007	mg/L	0.02556	25.39%
Mg 279.077†	-11.7	-0.00785	mg/L	0.003273	-0.00785	mg/L	0.003273	41.67%
Mn 257.610†	3.0	0.00011	mg/L	0.000126	0.00011	mg/L	0.000126	119.66%
Mo 202.031†	13.9	0.00139	mg/L	0.000282	0.00139	mg/L	0.000282	20.28%
Na 589.592†	656.9	0.1015	mg/L	0.00543	0.1015	mg/L	0.00543	5.35%
Na 330.237†	-10.3	-0.3441	mg/L	0.18424	-0.3441	mg/L	0.18424	53.54%
Ni 231.604†	-1.2	-0.00061	mg/L	0.002632	-0.00061	mg/L	0.002632	432.64%
Pb 220.353†	25.6	0.00297	mg/L	0.001281	0.00297	mg/L	0.001281	43.17%
Sb 206.836†	1.4	0.00130	mg/L	0.001767	0.00130	mg/L	0.001767	135.50%
Se 196.026†	6.4	0.00494	mg/L	0.005389	0.00494	mg/L	0.005389	109.19%
Si 288.158†	11.8	0.00814	mg/L	0.004368	0.00814	mg/L	0.004368	53.68%
Sn 189.927†	9.2	0.00216	mg/L	0.000324	0.00216	mg/L	0.000324	14.95%
Sr 421.552†	53.2	0.00007	mg/L	0.000050	0.00007	mg/L	0.000050	68.21%
Ti 334.903†	36.1	0.00137	mg/L	0.000929	0.00137	mg/L	0.000929	67.86%
Tl 190.801†	4.3	0.00401	mg/L	0.005856	0.00401	mg/L	0.005856	145.96%
V 292.402†	93.4	0.00036	mg/L	0.000064	0.00036	mg/L	0.000064	17.85%
Zn 206.200†	0.8	0.00080	mg/L	0.000985	0.00080	mg/L	0.000985	122.44%

Sequence No.: 13
Sample ID: JQ52R MB1 SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 46
Date Collected: 8/7/2006 3:38:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R MB1 SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1598581.5	98.68	%	0.767				0.78%
ScR 361.383	209519.5	103.2	%	0.89				0.86%
Ag 328.068†	-6.6	-0.00002	mg/L	0.000204	-0.00004	mg/L	0.000408	907.01%
Al 308.215†	92.2	0.06701	mg/L	0.016971	0.1340	mg/L	0.03394	25.33%
As 188.979†	6.7	0.00731	mg/L	0.003429	0.01461	mg/L	0.006858	46.93%
B 249.677†	22.1	0.00731	mg/L	0.001509	0.01463	mg/L	0.003018	20.63%
Ba 233.527†	-2.4	-0.00071	mg/L	0.000879	-0.00142	mg/L	0.001758	123.68%
Be 313.042†	8.1	0.00001	mg/L	0.000023	0.00002	mg/L	0.000047	187.99%
Ca 317.933†	1952.9	0.09103	mg/L	0.000579	0.1821	mg/L	0.00116	0.64%
Cd 228.802†	2.6	0.00007	mg/L	0.000148	0.00015	mg/L	0.000297	203.59%
Co 228.616†	2.2	0.00006	mg/L	0.000142	0.00011	mg/L	0.000285	252.68%
Cr 267.716†	3.6	0.00043	mg/L	0.000892	0.00086	mg/L	0.001783	208.21%
Cu 324.752†	187.3	0.00071	mg/L	0.000075	0.00143	mg/L	0.000149	10.43%
Fe 273.955†	6.7	0.00671	mg/L	0.000272	0.01341	mg/L	0.000545	4.06%
K 766.490†	43.8	0.03134	mg/L	0.050309	0.06268	mg/L	0.100619	160.52%
Mg 279.077†	29.7	0.02000	mg/L	0.008706	0.04000	mg/L	0.017412	43.53%
Mn 257.610†	13.8	0.00048	mg/L	0.000168	0.00096	mg/L	0.000335	34.90%
Mo 202.031†	4.9	0.00049	mg/L	0.000139	0.00099	mg/L	0.000277	28.11%
Na 589.592†	-6.1	-0.00094	mg/L	0.005274	-0.00189	mg/L	0.010547	558.60%
Na 330.237†	7.2	0.2351	mg/L	0.34384	0.4702	mg/L	0.68768	146.27%
Ni 231.604†	0.4	0.00021	mg/L	0.002830	0.00041	mg/L	0.005661	>999.9%
Pb 220.353†	31.8	0.00369	mg/L	0.000376	0.00738	mg/L	0.000751	10.18%
Sb 206.836†	-0.6	-0.00051	mg/L	0.002296	-0.00102	mg/L	0.004592	451.20%
Se 196.026†	7.2	0.00556	mg/L	0.004420	0.01111	mg/L	0.008840	79.56%
Si 288.158†	9.9	0.00681	mg/L	0.001318	0.01362	mg/L	0.002637	19.36%
Sn 189.927†	6.7	0.00159	mg/L	0.000419	0.00318	mg/L	0.000838	26.34%
Sr 421.552†	138.5	0.00019	mg/L	0.000073	0.00038	mg/L	0.000145	38.03%
Ti 334.903†	102.9	0.00391	mg/L	0.000033	0.00781	mg/L	0.000067	0.85%
Tl 190.801†	1.5	0.00135	mg/L	0.001372	0.00271	mg/L	0.002743	101.29%
V 292.402†	51.5	0.00019	mg/L	0.000168	0.00039	mg/L	0.000335	86.09%
Zn 206.200†	19.9	0.01974	mg/L	0.001548	0.03948	mg/L	0.003096	7.84%

Sequence No.: 14
Sample ID: JQ52R D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 47
Date Collected: 8/7/2006 3:44:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R D SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JQ52R D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1622498.0	100.2	%	0.19				0.19%
ScR 361.383	218847.4	107.8	%	0.10				0.09%
Ag 328.068†	-2426.5	-0.00011	mg/L	0.000273	-0.00022	mg/L	0.000546	243.41%
Al 308.215†	252439.6	183.4	mg/L	0.67	366.9	mg/L	1.35	0.37%
As 188.979†	77.6	0.04348	mg/L	0.007512	0.08696	mg/L	0.015023	17.28%
B 249.677†	54.6	0.01541	mg/L	0.001682	0.03081	mg/L	0.003363	10.91%
Ba 233.527†	2998.6	0.8828	mg/L	0.00357	1.766	mg/L	0.0071	0.40%
Be 313.042†	2381.9	0.00292	mg/L	0.000018	0.00583	mg/L	0.000036	0.62%
Ca 317.933†	816420.2	38.06	mg/L	0.147	76.11	mg/L	0.293	0.39%
Cd 228.802†	86.6	0.00053	mg/L	0.000080	0.00106	mg/L	0.000161	15.14%
Co 228.616†	3785.0	0.09112	mg/L	0.000388	0.1822	mg/L	0.00078	0.43%
Cr 267.716†	1453.6	0.1847	mg/L	0.00053	0.3694	mg/L	0.00105	0.28%
Cu 324.752†	59316.5	0.2441	mg/L	0.00066	0.4881	mg/L	0.00132	0.27%
Fe 273.955†	207288.8	207.5	mg/L	1.54	414.9	mg/L	3.09	0.74%
K 766.490†	8402.8	6.017	mg/L	0.0155	12.03	mg/L	0.031	0.26%
Mg 279.077†	52539.7	35.25	mg/L	0.068	70.50	mg/L	0.136	0.19%
Mn 257.610†	109742.5	3.831	mg/L	0.0207	7.662	mg/L	0.0414	0.54%
Mo 202.031†	28.1	0.00604	mg/L	0.000179	0.01208	mg/L	0.000359	2.97%
Na 589.592†	28890.6	4.463	mg/L	0.0142	8.926	mg/L	0.0285	0.32%
Na 330.237†	86.0	4.575	mg/L	0.0892	9.151	mg/L	0.1783	1.95%
Ni 231.604†	290.7	0.1466	mg/L	0.00112	0.2932	mg/L	0.00225	0.77%
Pb 220.353†	594.4	0.1043	mg/L	0.00111	0.2087	mg/L	0.00222	1.07%
Sb 206.836†	11.6	0.01766	mg/L	0.002600	0.03532	mg/L	0.005200	14.72%
Se 196.026†	-76.9	-0.06404	mg/L	0.006064	-0.1281	mg/L	0.01213	9.47%
Si 288.158†	2766.5	1.908	mg/L	0.0083	3.816	mg/L	0.0167	0.44%
Sn 189.927†	-5.3	0.00284	mg/L	0.001700	0.00567	mg/L	0.003400	59.95%
Sr 421.552†	347637.8	0.4798	mg/L	0.00169	0.9596	mg/L	0.00339	0.35%
Ti 334.903†	231357.3	8.780	mg/L	0.0349	17.56	mg/L	0.070	0.40%
Tl 190.801†	-12.1	-0.02057	mg/L	0.000546	-0.04115	mg/L	0.001091	2.65%
V 292.402†	143171.5	0.5343	mg/L	0.00219	1.069	mg/L	0.0044	0.41%
Zn 206.200†	593.0	0.5840	mg/L	0.00191	1.168	mg/L	0.0038	0.33%

Sequence No.: 15
Sample ID: JR75 A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 48
Date Collected: 8/7/2006 3:50:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 A SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

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Mean Data: JR75 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1566358.6	96.69	%	0.637				0.66%
ScR 361.383	211354.9	104.1	%	0.56				0.54%
Ag 328.068†	-2535.7	-0.00150	mg/L	0.000183	-0.00299	mg/L	0.000366	12.22%
Al 308.215†	157876.6	114.7	mg/L	4.86	229.4	mg/L	9.72	4.24%
As 188.979†	70.1	0.04482	mg/L	0.004671	0.08964	mg/L	0.009341	10.42%
B 249.677†	71.5	0.02208	mg/L	0.001687	0.04416	mg/L	0.003375	7.64%
Ba 233.527†	1231.5	0.3553	mg/L	0.01238	0.7107	mg/L	0.02476	3.48%
Be 313.042†	1445.8	0.00158	mg/L	0.000061	0.00316	mg/L	0.000123	3.88%
Ca 317.933†	1023878.3	47.73	mg/L	1.916	95.46	mg/L	3.831	4.01%
Cd 228.802†	61.7	0.00008	mg/L	0.000260	0.00016	mg/L	0.000520	327.33%
Co 228.616†	3035.5	0.07178	mg/L	0.000599	0.1436	mg/L	0.00120	0.83%
Cr 267.716†	2679.5	0.3234	mg/L	0.01125	0.6467	mg/L	0.02251	3.48%
Cu 324.752†	39906.4	0.1675	mg/L	0.00140	0.3351	mg/L	0.00281	0.84%
Fe 273.955†	183301.9	183.5	mg/L	7.62	366.9	mg/L	15.24	4.15%
K 766.490†	9040.2	6.473	mg/L	0.2317	12.95	mg/L	0.463	3.58%
Mg 279.077†	126558.7	85.14	mg/L	3.497	170.3	mg/L	6.99	4.11%
Mn 257.610†	107214.2	3.742	mg/L	0.1524	7.485	mg/L	0.3049	4.07%
Mo 202.031†	60.8	0.00662	mg/L	0.000552	0.01324	mg/L	0.001103	8.33%
Na 589.592†	15727.2	2.430	mg/L	0.0955	4.859	mg/L	0.1910	3.93%
Na 330.237†	31.9	2.372	mg/L	0.1391	4.744	mg/L	0.2781	5.86%
Ni 231.604†	910.9	0.4594	mg/L	0.01761	0.9187	mg/L	0.03522	3.83%
Pb 220.353†	83.1	0.03225	mg/L	0.001258	0.06449	mg/L	0.002517	3.90%
Sb 206.836†	16.9	0.01862	mg/L	0.004062	0.03725	mg/L	0.008124	21.81%
Se 196.026†	-77.8	-0.06462	mg/L	0.005621	-0.1292	mg/L	0.01124	8.70%
Si 288.158†	1948.6	1.344	mg/L	0.0268	2.689	mg/L	0.0535	1.99%
Sn 189.927†	-42.3	-0.00516	mg/L	0.001845	-0.01031	mg/L	0.003691	35.79%
Sr 421.552†	135814.7	0.1875	mg/L	0.00770	0.3749	mg/L	0.01539	4.11%
Ti 334.903†	191960.8	7.285	mg/L	0.3011	14.57	mg/L	0.602	4.13%
Tl 190.801†	-14.4	-0.02125	mg/L	0.005255	-0.04249	mg/L	0.010510	24.73%
V 292.402†	119623.3	0.4478	mg/L	0.00285	0.8956	mg/L	0.00570	0.64%
Zn 206.200†	364.8	0.3580	mg/L	0.01695	0.7159	mg/L	0.03390	4.73%

Sequence No.: 16
Sample ID: JR75 B SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 49
Date Collected: 8/7/2006 3:56:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 B SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

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Mean Data: JR75 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1572332.5	97.06	%	1.017				1.05%
ScR 361.383	211162.0	104.0	%	0.22				0.21%
Ag 328.068†	-2066.9	-0.00107	mg/L	0.000200	-0.00215	mg/L	0.000400	18.62%
Al 308.215†	152343.0	110.7	mg/L	6.57	221.4	mg/L	13.13	5.93%
As 188.979†	66.5	0.04302	mg/L	0.002043	0.08604	mg/L	0.004086	4.75%
B 249.677†	70.9	0.02191	mg/L	0.004057	0.04381	mg/L	0.008113	18.52%
Ba 233.527†	1299.1	0.3780	mg/L	0.01878	0.7560	mg/L	0.03755	4.97%
Be 313.042†	1236.2	0.00137	mg/L	0.000115	0.00274	mg/L	0.000230	8.42%
Ca 317.933†	1206938.6	56.26	mg/L	2.900	112.5	mg/L	5.80	5.15%
Cd 228.802†	60.3	0.00035	mg/L	0.000084	0.00070	mg/L	0.000168	24.01%
Co 228.616†	2640.2	0.06264	mg/L	0.001009	0.1253	mg/L	0.00202	1.61%
Cr 267.716†	1991.0	0.2422	mg/L	0.01278	0.4845	mg/L	0.02557	5.28%
Cu 324.752†	36328.9	0.1511	mg/L	0.00090	0.3023	mg/L	0.00180	0.60%
Fe 273.955†	150103.1	150.2	mg/L	7.62	300.5	mg/L	15.24	5.07%
K 766.490†	12046.5	8.626	mg/L	0.4387	17.25	mg/L	0.877	5.09%
Mg 279.077†	87439.1	58.80	mg/L	3.453	117.6	mg/L	6.91	5.87%
Mn 257.610†	66899.0	2.335	mg/L	0.1331	4.669	mg/L	0.2663	5.70%
Mo 202.031†	58.3	0.00691	mg/L	0.000381	0.01382	mg/L	0.000763	5.52%
Na 589.592†	23938.0	3.698	mg/L	0.2202	7.396	mg/L	0.4403	5.95%
Na 330.237†	80.6	3.718	mg/L	0.3648	7.437	mg/L	0.7295	9.81%
Ni 231.604†	642.8	0.3242	mg/L	0.01666	0.6483	mg/L	0.03331	5.14%
Pb 220.353†	200.3	0.04489	mg/L	0.000486	0.08979	mg/L	0.000973	1.08%
Sb 206.836†	16.2	0.01832	mg/L	0.001553	0.03665	mg/L	0.003105	8.47%
Se 196.026†	-66.5	-0.05421	mg/L	0.005427	-0.1084	mg/L	0.01085	10.01%
Si 288.158†	1850.3	1.276	mg/L	0.0470	2.553	mg/L	0.0939	3.68%
Sn 189.927†	-50.5	-0.00470	mg/L	0.001272	-0.00939	mg/L	0.002543	27.07%
Sr 421.552†	158639.8	0.2190	mg/L	0.01142	0.4379	mg/L	0.02283	5.21%
Ti 334.903†	169816.4	6.445	mg/L	0.3374	12.89	mg/L	0.675	5.24%
Tl 190.801†	-12.7	-0.01869	mg/L	0.003928	-0.03738	mg/L	0.007856	21.02%
V 292.402†	98947.8	0.3699	mg/L	0.00077	0.7398	mg/L	0.00154	0.21%
Zn 206.200†	314.0	0.3086	mg/L	0.01221	0.6172	mg/L	0.02443	3.96%

Sequence No.: 17
Sample ID: JR75 C SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 50
Date Collected: 8/7/2006 4:03:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 C SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1554525.6	95.96	%	0.190				0.20%
ScR 361.383	211518.8	104.2	%	0.63				0.60%
Ag 328.068†	-1941.3	-0.00100	mg/L	0.000363	-0.00199	mg/L	0.000727	36.47%
Al 308.215†	128361.2	93.27	mg/L	0.093	186.5	mg/L	0.19	0.10%
As 188.979†	79.2	0.04906	mg/L	0.012691	0.09812	mg/L	0.025382	25.87%
B 249.677†	136.1	0.04222	mg/L	0.000739	0.08443	mg/L	0.001478	1.75%
Ba 233.527†	2131.9	0.6280	mg/L	0.00375	1.256	mg/L	0.0075	0.60%
Be 313.042†	1220.6	0.00115	mg/L	0.000009	0.00230	mg/L	0.000018	0.80%
Ca 317.933†	1682839.6	78.44	mg/L	1.176	156.9	mg/L	2.35	1.50%
Cd 228.802†	91.2	0.00138	mg/L	0.000205	0.00276	mg/L	0.000409	14.85%
Co 228.616†	2448.8	0.05157	mg/L	0.000637	0.1031	mg/L	0.00127	1.24%
Cr 267.716†	1528.4	0.1870	mg/L	0.00160	0.3741	mg/L	0.00320	0.85%
Cu 324.752†	36372.3	0.1498	mg/L	0.00028	0.2996	mg/L	0.00056	0.19%
Fe 273.955†	140771.4	140.9	mg/L	0.37	281.8	mg/L	0.74	0.26%
K 766.490†	10054.2	7.199	mg/L	0.0067	14.40	mg/L	0.013	0.09%
Mg 279.077†	69966.8	47.04	mg/L	0.068	94.08	mg/L	0.135	0.14%
Mn 257.610†	67261.1	2.348	mg/L	0.0012	4.695	mg/L	0.0023	0.05%
Mo 202.031†	86.3	0.00962	mg/L	0.000422	0.01923	mg/L	0.000844	4.39%
Na 589.592†	45393.4	7.012	mg/L	0.0070	14.02	mg/L	0.014	0.10%
Na 330.237†	168.8	7.166	mg/L	0.1037	14.33	mg/L	0.207	1.45%
Ni 231.604†	398.1	0.2007	mg/L	0.00123	0.4015	mg/L	0.00247	0.61%
Pb 220.353†	931.1	0.1260	mg/L	0.00155	0.2521	mg/L	0.00311	1.23%
Sb 206.836†	14.2	0.02043	mg/L	0.002881	0.04086	mg/L	0.005761	14.10%
Se 196.026†	-54.1	-0.04467	mg/L	0.002746	-0.08933	mg/L	0.005491	6.15%
Si 288.158†	2140.4	1.476	mg/L	0.0579	2.953	mg/L	0.1158	3.92%
Sn 189.927†	-44.3	0.00040	mg/L	0.002442	0.00079	mg/L	0.004884	616.50%
Sr 421.552†	263118.9	0.3632	mg/L	0.00455	0.7263	mg/L	0.00911	1.25%
Ti 334.903†	253007.7	9.602	mg/L	0.1275	19.20	mg/L	0.255	1.33%
Tl 190.801†	-13.8	-0.02264	mg/L	0.003822	-0.04529	mg/L	0.007645	16.88%
V 292.402†	132072.7	0.4922	mg/L	0.00192	0.9844	mg/L	0.00385	0.39%
Zn 206.200†	643.3	0.6362	mg/L	0.00685	1.272	mg/L	0.0137	1.08%

Sequence No.: 18
Sample ID: JR75 D SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 51
Date Collected: 8/7/2006 4:09:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 D SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1578819.2	97.46	%	0.825				0.85%
ScR 361.383	211085.4	104.0	%	0.66				0.64%
Ag 328.068†	-2151.4	-0.00063	mg/L	0.000208	-0.00126	mg/L	0.000415	33.02%
Al 308.215†	185692.0	134.9	mg/L	1.17	269.9	mg/L	2.34	0.87%
As 188.979†	74.2	0.04622	mg/L	0.004161	0.09243	mg/L	0.008321	9.00%
B 249.677†	93.2	0.02939	mg/L	0.000870	0.05878	mg/L	0.001741	2.96%
Ba 233.527†	1596.8	0.4658	mg/L	0.00514	0.9317	mg/L	0.01029	1.10%
Be 313.042†	1665.2	0.00200	mg/L	0.000036	0.00400	mg/L	0.000071	1.78%
Ca 317.933†	1500181.4	69.93	mg/L	0.505	139.9	mg/L	1.01	0.72%
Cd 228.802†	71.4	0.00053	mg/L	0.000110	0.00106	mg/L	0.000221	20.85%
Co 228.616†	2994.0	0.07125	mg/L	0.000450	0.1425	mg/L	0.00090	0.63%
Cr 267.716†	2969.4	0.3585	mg/L	0.00489	0.7171	mg/L	0.00978	1.36%
Cu 324.752†	52842.8	0.2156	mg/L	0.00044	0.4311	mg/L	0.00089	0.21%
Fe 273.955†	168230.5	168.4	mg/L	0.80	336.8	mg/L	1.60	0.47%
K 766.490†	13154.8	9.420	mg/L	0.0587	18.84	mg/L	0.117	0.62%
Mg 279.077†	119066.0	80.10	mg/L	0.547	160.2	mg/L	1.09	0.68%
Mn 257.610†	72266.3	2.522	mg/L	0.0181	5.043	mg/L	0.0361	0.72%
Mo 202.031†	84.3	0.00955	mg/L	0.000612	0.01910	mg/L	0.001225	6.41%
Na 589.592†	38912.3	6.011	mg/L	0.0436	12.02	mg/L	0.087	0.73%
Na 330.237†	160.1	6.427	mg/L	0.1563	12.85	mg/L	0.313	2.43%
Ni 231.604†	909.3	0.4585	mg/L	0.00275	0.9170	mg/L	0.00549	0.60%
Pb 220.353†	575.2	0.09315	mg/L	0.000557	0.1863	mg/L	0.00111	0.60%
Sb 206.836†	11.0	0.01233	mg/L	0.001568	0.02466	mg/L	0.003136	12.72%
Se 196.026†	-62.5	-0.05136	mg/L	0.011311	-0.1027	mg/L	0.02262	22.03%
Si 288.158†	2347.3	1.619	mg/L	0.0214	3.239	mg/L	0.0428	1.32%
Sn 189.927†	-36.0	0.00038	mg/L	0.000855	0.00075	mg/L	0.001710	227.78%
Sr 421.552†	228240.5	0.3150	mg/L	0.00264	0.6300	mg/L	0.00529	0.84%
Ti 334.903†	192166.3	7.293	mg/L	0.0641	14.59	mg/L	0.128	0.88%
Tl 190.801†	-22.5	-0.02870	mg/L	0.002344	-0.05740	mg/L	0.004688	8.17%
V 292.402†	106915.0	0.4002	mg/L	0.00061	0.8005	mg/L	0.00123	0.15%
Zn 206.200†	426.6	0.4201	mg/L	0.00444	0.8402	mg/L	0.00887	1.06%

Sequence No.: 19
Sample ID: JR75 E SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 52
Date Collected: 8/7/2006 4:16:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 E SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

rerun

Mean Data: JR75 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1584401.8	97.80	%	0.494				0.51%
ScR 361.383	212117.0	104.5	%	0.27				0.26%
Ag 328.068†	-2343.3	-0.00153	mg/L	0.000417	-0.00306	mg/L	0.000833	27.19%
Al 308.215†	156493.4	113.7	mg/L	5.22	227.4	mg/L	10.44	4.59%
As 188.979†	73.4	0.05126	mg/L	0.002883	0.1025	mg/L	0.00577	5.62%
B 249.677†	81.6	0.02544	mg/L	0.001895	0.05089	mg/L	0.003790	7.45%
Ba 233.527†	1263.3	0.3665	mg/L	0.01652	0.7331	mg/L	0.03304	4.51%
Be 313.042†	1469.4	0.00172	mg/L	0.000119	0.00344	mg/L	0.000237	6.90%
Ca 317.933†	789542.5	36.80	mg/L	1.700	73.61	mg/L	3.400	4.62%
Cd 228.802†	47.3	-0.00019	mg/L	0.000116	-0.00038	mg/L	0.000233	60.61%
Co 228.616†	2895.1	0.06968	mg/L	0.001551	0.1394	mg/L	0.00310	2.23%
Cr 267.716†	1997.8	0.2429	mg/L	0.00998	0.4858	mg/L	0.01996	4.11%
Cu 324.752†	36423.7	0.1524	mg/L	0.00081	0.3048	mg/L	0.00162	0.53%
Fe 273.955†	160260.6	160.4	mg/L	5.92	320.8	mg/L	11.84	3.69%
K 766.490†	10407.9	7.453	mg/L	0.3327	14.91	mg/L	0.665	4.46%
Mg 279.077†	98836.7	66.48	mg/L	3.113	133.0	mg/L	6.23	4.68%
Mn 257.610†	56667.0	1.977	mg/L	0.0819	3.954	mg/L	0.1637	4.14%
Mo 202.031†	58.8	0.00685	mg/L	0.000699	0.01369	mg/L	0.001398	10.21%
Na 589.592†	17361.4	2.682	mg/L	0.1157	5.364	mg/L	0.2314	4.31%
Na 330.237†	49.0	2.815	mg/L	0.1862	5.629	mg/L	0.3724	6.62%
Ni 231.604†	546.0	0.2753	mg/L	0.01186	0.5507	mg/L	0.02372	4.31%
Pb 220.353†	287.5	0.05556	mg/L	0.000727	0.1111	mg/L	0.00145	1.31%
Sb 206.836†	8.3	0.01092	mg/L	0.003229	0.02184	mg/L	0.006458	29.56%
Se 196.026†	-62.8	-0.05097	mg/L	0.006947	-0.1019	mg/L	0.01389	13.63%
Si 288.158†	2295.9	1.584	mg/L	0.0475	3.167	mg/L	0.0949	3.00%
Sn 189.927†	-31.3	-0.00388	mg/L	0.002624	-0.00776	mg/L	0.005249	67.64%
Sr 421.552†	131075.6	0.1809	mg/L	0.00824	0.3618	mg/L	0.01647	4.55%
Ti 334.903†	170761.6	6.481	mg/L	0.2890	12.96	mg/L	0.578	4.46%
Tl 190.801†	-11.2	-0.01735	mg/L	0.002500	-0.03471	mg/L	0.005000	14.41%
V 292.402†	102186.8	0.3820	mg/L	0.00220	0.7639	mg/L	0.00439	0.57%
Zn 206.200†	454.2	0.4473	mg/L	0.01535	0.8947	mg/L	0.03070	3.43%

Sequence No.: 20
Sample ID: JR75 F SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 53
Date Collected: 8/7/2006 4:22:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 F SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR75 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1552250.1	95.82	%	0.581				0.61%
ScR 361.383	210218.2	103.5	%	0.89				0.86%
Ag 328.068†	-749.1	-0.00040	mg/L	0.000131	-0.00081	mg/L	0.000262	32.50%
Al 308.215†	55209.7	40.12	mg/L	1.466	80.24	mg/L	2.932	3.65%
As 188.979†	63.2	0.05301	mg/L	0.006441	0.1060	mg/L	0.01288	12.15%
B 249.677†	437.7	0.1444	mg/L	0.00545	0.2888	mg/L	0.01091	3.78%
Ba 233.527†	4051.1	1.209	mg/L	0.0412	2.418	mg/L	0.0824	3.41%
Be 313.042†	436.6	0.00053	mg/L	0.000050	0.00106	mg/L	0.000101	9.48%
Ca 317.933†	2394778.6	111.6	mg/L	4.90	223.3	mg/L	9.81	4.39%
Cd 228.802†	107.4	0.00271	mg/L	0.000172	0.00543	mg/L	0.000345	6.36%
Co 228.616†	840.8	0.01902	mg/L	0.000375	0.03804	mg/L	0.000751	1.97%
Cr 267.716†	755.0	0.09236	mg/L	0.002988	0.1847	mg/L	0.00598	3.24%
Cu 324.752†	47568.5	0.1867	mg/L	0.00062	0.3733	mg/L	0.00125	0.33%
Fe 273.955†	58792.2	58.84	mg/L	2.378	117.7	mg/L	4.76	4.04%
K 766.490†	4205.3	3.011	mg/L	0.0991	6.022	mg/L	0.1982	3.29%
Mg 279.077†	24528.3	16.48	mg/L	0.575	32.97	mg/L	1.150	3.49%
Mn 257.610†	57046.1	1.991	mg/L	0.0756	3.983	mg/L	0.1512	3.80%
Mo 202.031†	108.9	0.01143	mg/L	0.000417	0.02286	mg/L	0.000834	3.65%
Na 589.592†	8200.9	1.267	mg/L	0.0395	2.534	mg/L	0.0789	3.12%
Na 330.237†	63.2	1.519	mg/L	0.1511	3.039	mg/L	0.3021	9.94%
Ni 231.604†	191.5	0.09660	mg/L	0.003650	0.1932	mg/L	0.00730	3.78%
Pb 220.353†	1839.4	0.2208	mg/L	0.00067	0.4415	mg/L	0.00133	0.30%
Sb 206.836†	17.3	0.01713	mg/L	0.003688	0.03425	mg/L	0.007375	21.53%
Se 196.026†	-23.7	-0.02067	mg/L	0.001563	-0.04134	mg/L	0.003125	7.56%
Si 288.158†	2984.4	2.058	mg/L	0.0642	4.116	mg/L	0.1283	3.12%
Sn 189.927†	-62.8	0.00421	mg/L	0.000898	0.00843	mg/L	0.001795	21.30%
Sr 421.552†	548755.2	0.7574	mg/L	0.03315	1.515	mg/L	0.0663	4.38%
Ti 334.903†	61589.3	2.337	mg/L	0.0871	4.675	mg/L	0.1742	3.73%
Tl 190.801†	-17.5	-0.01867	mg/L	0.004868	-0.03733	mg/L	0.009736	26.08%
V 292.402†	26738.3	0.1001	mg/L	0.00033	0.2001	mg/L	0.00067	0.33%
Zn 206.200†	682.9	0.6782	mg/L	0.02069	1.356	mg/L	0.0414	3.05%

Sequence No.: 21
Sample ID: JR75 G SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 54
Date Collected: 8/7/2006 4:29:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 G SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 G SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1555536.3	96.02	%	0.661				0.69%
ScR 361.383	204653.4	100.8	%	0.56				0.55%
Ag 328.068†	-2438.1	-0.00060	mg/L	0.000096	-0.00121	mg/L	0.000191	15.85%
Al 308.215†	181469.9	131.9	mg/L	0.74	263.7	mg/L	1.48	0.56%
As 188.979†	103.8	0.07469	mg/L	0.004749	0.1494	mg/L	0.00950	6.36%
B 249.677†	224.8	0.07277	mg/L	0.003306	0.1455	mg/L	0.00661	4.54%
Ba 233.527†	1780.9	0.5190	mg/L	0.00195	1.038	mg/L	0.0039	0.38%
Be 313.042†	1568.7	0.00178	mg/L	0.000027	0.00356	mg/L	0.000054	1.51%
Ca 317.933†	1932665.5	90.09	mg/L	0.274	180.2	mg/L	0.55	0.30%
Cd 228.802†	96.1	0.00099	mg/L	0.000116	0.00198	mg/L	0.000232	11.69%
Co 228.616†	3431.4	0.08109	mg/L	0.000241	0.1622	mg/L	0.00048	0.30%
Cr 267.716†	3527.0	0.4280	mg/L	0.00365	0.8561	mg/L	0.00729	0.85%
Cu 324.752†	68968.9	0.2795	mg/L	0.00156	0.5589	mg/L	0.00313	0.56%
Fe 273.955†	194571.4	194.7	mg/L	1.00	389.5	mg/L	2.00	0.51%
K 766.490†	14753.0	10.56	mg/L	0.124	21.13	mg/L	0.248	1.17%
Mg 279.077†	115449.4	77.64	mg/L	0.262	155.3	mg/L	0.52	0.34%
Mn 257.610†	90799.8	3.169	mg/L	0.0181	6.338	mg/L	0.0362	0.57%
Mo 202.031†	128.2	0.01395	mg/L	0.000226	0.02789	mg/L	0.000452	1.62%
Na 589.592†	42774.4	6.608	mg/L	0.0292	13.22	mg/L	0.058	0.44%
Na 330.237†	170.6	6.840	mg/L	0.2530	13.68	mg/L	0.506	3.70%
Ni 231.604†	752.5	0.3795	mg/L	0.00464	0.7589	mg/L	0.00927	1.22%
Pb 220.353†	1080.9	0.1512	mg/L	0.00073	0.3023	mg/L	0.00147	0.49%
Sb 206.836†	19.5	0.02056	mg/L	0.000944	0.04113	mg/L	0.001887	4.59%
Se 196.026†	-86.6	-0.07082	mg/L	0.010538	-0.1416	mg/L	0.02108	14.88%
Si 288.158†	3789.6	2.614	mg/L	0.0311	5.228	mg/L	0.0622	1.19%
Sn 189.927†	-6.1	0.01083	mg/L	0.001386	0.02166	mg/L	0.002773	12.80%
Sr 421.552†	341863.1	0.4718	mg/L	0.00173	0.9437	mg/L	0.00347	0.37%
Ti 334.903†	222592.2	8.448	mg/L	0.0298	16.90	mg/L	0.060	0.35%
Tl 190.801†	-21.1	-0.02853	mg/L	0.005705	-0.05707	mg/L	0.011411	19.99%
V 292.402†	118132.2	0.4423	mg/L	0.00202	0.8846	mg/L	0.00404	0.46%
Zn 206.200†	608.6	0.6004	mg/L	0.00328	1.201	mg/L	0.0066	0.55%

Sequence No.: 22
Sample ID: JQ52R MB1SPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 55
Date Collected: 8/7/2006 4:35:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R MB1SPK SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

rerun

Mean Data: JQ52R MB1SPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1547716.7	95.54	%	1.190				1.25%
ScR 361.383	200833.6	98.90	%	1.082				1.09%
Ag 328.068†	153905.7	0.5253	mg/L	0.00945	1.051	mg/L	0.0189	1.80%
Al 308.215†	2913.3	2.108	mg/L	0.0822	4.217	mg/L	0.1644	3.90%
As 188.979†	1983.4	2.169	mg/L	0.0302	4.338	mg/L	0.0605	1.39%
B 249.677†	11.2	0.00461	mg/L	0.002870	0.00922	mg/L	0.005739	62.25%
Ba 233.527†	6687.1	2.002	mg/L	0.0824	4.004	mg/L	0.1649	4.12%
Be 313.042†	324756.1	0.5116	mg/L	0.02011	1.023	mg/L	0.0402	3.93%
Ca 317.933†	218974.4	10.21	mg/L	0.392	20.41	mg/L	0.785	3.84%
Cd 228.802†	16903.7	0.5387	mg/L	0.00905	1.077	mg/L	0.0181	1.68%
Co 228.616†	18200.4	0.5201	mg/L	0.00842	1.040	mg/L	0.0168	1.62%
Cr 267.716†	4169.9	0.5020	mg/L	0.02066	1.004	mg/L	0.0413	4.12%
Cu 324.752†	139401.3	0.5328	mg/L	0.00940	1.066	mg/L	0.0188	1.76%
Fe 273.955†	2076.6	2.077	mg/L	0.0849	4.154	mg/L	0.1698	4.09%
K 766.490†	14955.2	10.71	mg/L	0.381	21.42	mg/L	0.763	3.56%
Mg 279.077†	15489.3	10.44	mg/L	0.413	20.87	mg/L	0.827	3.96%
Mn 257.610†	14214.9	0.4968	mg/L	0.01911	0.9936	mg/L	0.03821	3.85%
Mo 202.031†	23.4	0.00215	mg/L	0.000394	0.00430	mg/L	0.000789	18.35%
Na 589.592†	67537.1	10.43	mg/L	0.376	20.87	mg/L	0.753	3.61%
Na 330.237†	326.0	10.63	mg/L	0.276	21.26	mg/L	0.553	2.60%
Ni 231.604†	1018.3	0.5135	mg/L	0.02019	1.027	mg/L	0.0404	3.93%
Pb 220.353†	18311.1	2.121	mg/L	0.0402	4.242	mg/L	0.0804	1.90%
Sb 206.836†	7.0	0.00044	mg/L	0.000762	0.00089	mg/L	0.001525	172.20%
Se 196.026†	2822.3	2.189	mg/L	0.0251	4.378	mg/L	0.0502	1.15%
Si 288.158†	11.6	0.00904	mg/L	0.006564	0.01808	mg/L	0.013128	72.62%
Sn 189.927†	-13.4	-0.00148	mg/L	0.000608	-0.00296	mg/L	0.001216	41.04%
Sr 421.552†	364910.8	0.5037	mg/L	0.01916	1.007	mg/L	0.0383	3.80%
Ti 334.903†	122.3	0.00453	mg/L	0.000265	0.00906	mg/L	0.000530	5.85%
Tl 190.801†	2291.1	2.132	mg/L	0.0312	4.263	mg/L	0.0623	1.46%
V 292.402†	140123.7	0.5288	mg/L	0.00928	1.058	mg/L	0.0186	1.75%
Zn 206.200†	534.1	0.5305	mg/L	0.02023	1.061	mg/L	0.0405	3.81%

Sequence No.: 23
Sample ID: CV 5
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 4:42:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1529117.1	94.39	%	0.052				0.06%
ScR 361.383	201263.0	99.11	%	1.277				1.29%
Ag 328.068†	294753.7	1.006	mg/L	0.0053	1.006	mg/L	0.0053	0.53%
Al 308.215†	2826.2	2.016	mg/L	0.0294	2.016	mg/L	0.0294	1.46%
As 188.979†	1861.5	2.032	mg/L	0.0057	2.032	mg/L	0.0057	0.28%
B 249.677†	2978.1	0.9894	mg/L	0.01252	0.9894	mg/L	0.01252	1.27%
Ba 233.527†	3312.0	0.9913	mg/L	0.01116	0.9913	mg/L	0.01116	1.13%
Be 313.042†	628790.4	0.9906	mg/L	0.00853	0.9906	mg/L	0.00853	0.86%
Ca 317.933†	44094.6	2.055	mg/L	0.0162	2.055	mg/L	0.0162	0.79%
Cd 228.802†	32245.7	1.031	mg/L	0.0057	1.031	mg/L	0.0057	0.55%
Co 228.616†	34853.8	0.9953	mg/L	0.00600	0.9953	mg/L	0.00600	0.60%
Cr 267.716†	7986.9	0.9639	mg/L	0.01312	0.9639	mg/L	0.01312	1.36%
Cu 324.752†	274492.6	1.048	mg/L	0.0061	1.048	mg/L	0.0061	0.58%
Fe 273.955†	2029.9	2.029	mg/L	0.0223	2.029	mg/L	0.0223	1.10%
K 766.490†	29259.0	20.95	mg/L	0.223	20.95	mg/L	0.223	1.06%
Mg 279.077†	3024.3	2.042	mg/L	0.0197	2.042	mg/L	0.0197	0.97%
Mn 257.610†	27722.2	0.9688	mg/L	0.00819	0.9688	mg/L	0.00819	0.85%
Mo 202.031†	10181.3	1.022	mg/L	0.0055	1.022	mg/L	0.0055	0.54%
Na 589.592†	331292.6	51.18	mg/L	0.482	51.18	mg/L	0.482	0.94%
Na 330.237†	1586.1	52.78	mg/L	0.600	52.78	mg/L	0.600	1.14%
Ni 231.604†	2009.3	1.014	mg/L	0.0110	1.014	mg/L	0.0110	1.09%
Pb 220.353†	17496.9	2.028	mg/L	0.0088	2.028	mg/L	0.0088	0.43%
Sb 206.836†	2254.7	2.139	mg/L	0.0029	2.139	mg/L	0.0029	0.14%
Se 196.026†	2628.3	2.038	mg/L	0.0099	2.038	mg/L	0.0099	0.49%
Si 288.158†	2956.1	2.040	mg/L	0.0236	2.040	mg/L	0.0236	1.16%
Sn 189.927†	4072.1	0.9592	mg/L	0.00205	0.9592	mg/L	0.00205	0.21%
Sr 421.552†	725562.9	1.001	mg/L	0.0086	1.001	mg/L	0.0086	0.86%
Ti 334.903†	26919.4	1.020	mg/L	0.0083	1.020	mg/L	0.0083	0.81%
Tl 190.801†	2160.8	2.010	mg/L	0.0095	2.010	mg/L	0.0095	0.47%
V 292.402†	268246.5	1.013	mg/L	0.0053	1.013	mg/L	0.0053	0.53%
Zn 206.200†	1038.4	1.031	mg/L	0.0124	1.031	mg/L	0.0124	1.20%

Sequence No.: 24
Sample ID: CB 5
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 4:48:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1545177.8	95.38	%	1.482				1.55%
ScR 361.383	199859.8	98.42	%	0.926				0.94%
Ag 328.068†	13.3	0.00005	mg/L	0.000082	0.00005	mg/L	0.000082	182.32%
Al 308.215†	20.0	0.01451	mg/L	0.014683	0.01451	mg/L	0.014683	101.17%
As 188.979†	5.1	0.00563	mg/L	0.003477	0.00563	mg/L	0.003477	61.76%
B 249.677†	23.9	0.00792	mg/L	0.002398	0.00792	mg/L	0.002398	30.28%
Ba 233.527†	-0.5	-0.00015	mg/L	0.000859	-0.00015	mg/L	0.000859	570.34%
Be 313.042†	27.0	0.00004	mg/L	0.000030	0.00004	mg/L	0.000030	72.11%
Ca 317.933†	20.6	0.00096	mg/L	0.000411	0.00096	mg/L	0.000411	42.76%
Cd 228.802†	5.3	0.00016	mg/L	0.000045	0.00016	mg/L	0.000045	27.82%
Co 228.616†	-4.4	-0.00013	mg/L	0.000179	-0.00013	mg/L	0.000179	142.47%
Cr 267.716†	10.6	0.00128	mg/L	0.000934	0.00128	mg/L	0.000934	73.09%
Cu 324.752†	230.8	0.00088	mg/L	0.000200	0.00088	mg/L	0.000200	22.69%
Fe 273.955†	-0.7	-0.00067	mg/L	0.002809	-0.00067	mg/L	0.002809	420.70%
K 766.490†	99.0	0.07089	mg/L	0.032344	0.07089	mg/L	0.032344	45.63%
Mg 279.077†	22.3	0.01503	mg/L	0.008166	0.01503	mg/L	0.008166	54.34%
Mn 257.610†	10.5	0.00037	mg/L	0.000168	0.00037	mg/L	0.000168	45.59%
Mo 202.031†	9.4	0.00094	mg/L	0.000309	0.00094	mg/L	0.000309	32.71%
Na 589.592†	-81.5	-0.01259	mg/L	0.002475	-0.01259	mg/L	0.002475	19.66%
Na 330.237†	-2.0	-0.06622	mg/L	0.020132	-0.06622	mg/L	0.020132	30.40%
Ni 231.604†	-2.9	-0.00146	mg/L	0.002308	-0.00146	mg/L	0.002308	157.58%
Pb 220.353†	27.9	0.00324	mg/L	0.001476	0.00324	mg/L	0.001476	45.60%
Sb 206.836†	-0.0	-0.00003	mg/L	0.002749	-0.00003	mg/L	0.002749	>999.9%
Se 196.026†	3.5	0.00274	mg/L	0.000806	0.00274	mg/L	0.000806	29.45%
Si 288.158†	6.1	0.00420	mg/L	0.003340	0.00420	mg/L	0.003340	79.53%
Sn 189.927†	3.6	0.00084	mg/L	0.001179	0.00084	mg/L	0.001179	139.98%
Sr 421.552†	1.4	0.00000	mg/L	0.000040	0.00000	mg/L	0.000040	>999.9%
Ti 334.903†	11.4	0.00043	mg/L	0.000870	0.00043	mg/L	0.000870	202.18%
Tl 190.801†	1.4	0.00133	mg/L	0.001272	0.00133	mg/L	0.001272	95.50%
V 292.402†	42.5	0.00017	mg/L	0.000107	0.00017	mg/L	0.000107	63.66%
Zn 206.200†	0.9	0.00092	mg/L	0.001712	0.00092	mg/L	0.001712	185.57%

Sequence No.: 25
Sample ID: JQ77 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 56
Date Collected: 8/7/2006 4:54:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ77 MB SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ77 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1569848.2	96.90	%	0.797				0.82%
ScR 361.383	202548.3	99.75	%	0.441				0.44%
Ag 328.068†	-5.9	-0.00002	mg/L	0.000311	-0.00004	mg/L	0.000621	>999.9%
Al 308.215†	43.3	0.03145	mg/L	0.002853	0.06290	mg/L	0.005706	9.07%
As 188.979†	9.5	0.01042	mg/L	0.002894	0.02085	mg/L	0.005787	27.76%
B 249.677†	17.7	0.00588	mg/L	0.000375	0.01175	mg/L	0.000750	6.38%
Ba 233.527†	-0.2	-0.00007	mg/L	0.000716	-0.00013	mg/L	0.001433	>999.9%
Be 313.042†	-9.1	-0.00001	mg/L	0.000030	-0.00003	mg/L	0.000060	202.46%
Ca 317.933†	726.9	0.03389	mg/L	0.003354	0.06777	mg/L	0.006708	9.90%
Cd 228.802†	3.5	0.00010	mg/L	0.000081	0.00020	mg/L	0.000162	81.85%
Co 228.616†	1.0	0.00003	mg/L	0.000267	0.00005	mg/L	0.000534	984.78%
Cr 267.716†	8.0	0.00096	mg/L	0.000390	0.00192	mg/L	0.000779	40.49%
Cu 324.752†	166.4	0.00064	mg/L	0.000217	0.00127	mg/L	0.000433	34.06%
Fe 273.955†	4.2	0.00421	mg/L	0.000220	0.00842	mg/L	0.000441	5.24%
K 766.490†	90.3	0.06469	mg/L	0.040706	0.1294	mg/L	0.08141	62.92%
Mg 279.077†	-9.9	-0.00664	mg/L	0.006956	-0.01328	mg/L	0.013912	104.76%
Mn 257.610†	13.0	0.00045	mg/L	0.000158	0.00091	mg/L	0.000316	34.81%
Mo 202.031†	4.5	0.00045	mg/L	0.000365	0.00090	mg/L	0.000730	81.16%
Na 589.592†	-42.5	-0.00657	mg/L	0.001464	-0.01315	mg/L	0.002927	22.27%
Na 330.237†	-7.3	-0.2439	mg/L	0.75955	-0.4878	mg/L	1.51910	311.42%
Ni 231.604†	2.3	0.00116	mg/L	0.000949	0.00232	mg/L	0.001898	81.77%
Pb 220.353†	20.5	0.00239	mg/L	0.000152	0.00477	mg/L	0.000303	6.36%
Sb 206.836†	0.0	0.00003	mg/L	0.001013	0.00005	mg/L	0.002025	>999.9%
Se 196.026†	7.1	0.00551	mg/L	0.008527	0.01102	mg/L	0.017054	154.72%
Si 288.158†	6.1	0.00419	mg/L	0.001265	0.00839	mg/L	0.002531	30.17%
Sn 189.927†	6.0	0.00140	mg/L	0.000493	0.00280	mg/L	0.000985	35.13%
Sr 421.552†	99.4	0.00014	mg/L	0.000039	0.00027	mg/L	0.000078	28.37%
Ti 334.903†	41.5	0.00158	mg/L	0.000532	0.00315	mg/L	0.001064	33.76%
Tl 190.801†	4.7	0.00440	mg/L	0.003181	0.00879	mg/L	0.006362	72.35%
V 292.402†	51.0	0.00020	mg/L	0.000189	0.00039	mg/L	0.000378	95.82%
Zn 206.200†	5.9	0.00583	mg/L	0.000345	0.01165	mg/L	0.000690	5.92%

Sequence No.: 26
Sample ID: JR75 MB SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 57
Date Collected: 8/7/2006 5:01:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 MB SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 MB SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1585956.0	97.90	%	0.537				0.55%
ScR 361.383	204447.1	100.7	%	0.76				0.76%
Ag 328.068†	10.4	0.00004	mg/L	0.000006	0.00007	mg/L	0.000012	17.24%
Al 308.215†	41.2	0.02994	mg/L	0.013576	0.05988	mg/L	0.027152	45.34%
As 188.979†	6.8	0.00743	mg/L	0.003087	0.01486	mg/L	0.006175	41.56%
B 249.677†	10.4	0.00345	mg/L	0.001650	0.00689	mg/L	0.003299	47.85%
Ba 233.527†	-0.7	-0.00021	mg/L	0.000490	-0.00042	mg/L	0.000980	230.98%
Be 313.042†	-41.1	-0.00007	mg/L	0.000024	-0.00013	mg/L	0.000048	37.12%
Ca 317.933†	641.3	0.02989	mg/L	0.002995	0.05979	mg/L	0.005991	10.02%
Cd 228.802†	3.9	0.00011	mg/L	0.000129	0.00023	mg/L	0.000258	113.99%
Co 228.616†	-0.9	-0.00003	mg/L	0.000091	-0.00006	mg/L	0.000183	299.76%
Cr 267.716†	12.5	0.00150	mg/L	0.000442	0.00301	mg/L	0.000883	29.36%
Cu 324.752†	105.0	0.00040	mg/L	0.000175	0.00080	mg/L	0.000349	43.48%
Fe 273.955†	10.8	0.01083	mg/L	0.000669	0.02165	mg/L	0.001338	6.18%
K 766.490†	91.6	0.06557	mg/L	0.053520	0.1311	mg/L	0.10704	81.62%
Mg 279.077†	2.4	0.00164	mg/L	0.009343	0.00329	mg/L	0.018687	568.52%
Mn 257.610†	9.2	0.00032	mg/L	0.000198	0.00064	mg/L	0.000397	61.99%
Mo 202.031†	6.1	0.00061	mg/L	0.000338	0.00123	mg/L	0.000676	55.09%
Na 589.592†	74.6	0.01153	mg/L	0.004318	0.02306	mg/L	0.008637	37.45%
Na 330.237†	4.2	0.1377	mg/L	0.25313	0.2754	mg/L	0.50627	183.80%
Ni 231.604†	-3.7	-0.00188	mg/L	0.000537	-0.00376	mg/L	0.001074	28.52%
Pb 220.353†	14.9	0.00174	mg/L	0.000410	0.00347	mg/L	0.000820	23.61%
Sb 206.836†	-1.5	-0.00146	mg/L	0.002164	-0.00293	mg/L	0.004328	147.85%
Se 196.026†	7.3	0.00565	mg/L	0.004755	0.01129	mg/L	0.009511	84.21%
Si 288.158†	10.0	0.00691	mg/L	0.002722	0.01382	mg/L	0.005444	39.39%
Sn 189.927†	8.2	0.00192	mg/L	0.000800	0.00384	mg/L	0.001600	41.63%
Sr 421.552†	149.5	0.00021	mg/L	0.000111	0.00041	mg/L	0.000222	53.69%
Ti 334.903†	61.8	0.00235	mg/L	0.000349	0.00469	mg/L	0.000698	14.87%
Tl 190.801†	4.4	0.00407	mg/L	0.001428	0.00815	mg/L	0.002857	35.05%
V 292.402†	34.3	0.00014	mg/L	0.000123	0.00028	mg/L	0.000247	89.00%
Zn 206.200†	4.9	0.00486	mg/L	0.000996	0.00973	mg/L	0.001992	20.47%

Sequence No.: 27
Sample ID: JR75 H SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 58
Date Collected: 8/7/2006 5:07:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 H SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1550507.9	95.71	%	0.551				0.58%
ScR 361.383	208921.7	102.9	%	0.88				0.86%
Ag 328.068†	-2254.0	-0.00084	mg/L	0.000209	-0.00168	mg/L	0.000418	24.87%
Al 308.215†	158278.5	115.0	mg/L	0.63	230.0	mg/L	1.26	0.55%
As 188.979†	62.7	0.03691	mg/L	0.001894	0.07381	mg/L	0.003787	5.13%
B 249.677†	61.2	0.01877	mg/L	0.000459	0.03754	mg/L	0.000918	2.45%
Ba 233.527†	978.8	0.2803	mg/L	0.00278	0.5607	mg/L	0.00556	0.99%
Be 313.042†	1526.2	0.00180	mg/L	0.000068	0.00359	mg/L	0.000135	3.77%
Ca 317.933†	1054691.3	49.16	mg/L	0.296	98.33	mg/L	0.591	0.60%
Cd 228.802†	46.2	-0.00031	mg/L	0.000047	-0.00062	mg/L	0.000094	15.18%
Co 228.616†	2972.0	0.07038	mg/L	0.000491	0.1408	mg/L	0.00098	0.70%
Cr 267.716†	2812.1	0.3381	mg/L	0.00426	0.6763	mg/L	0.00851	1.26%
Cu 324.752†	43395.6	0.1800	mg/L	0.00131	0.3599	mg/L	0.00262	0.73%
Fe 273.955†	173989.7	174.1	mg/L	0.93	348.3	mg/L	1.85	0.53%
K 766.490†	8162.3	5.845	mg/L	0.0313	11.69	mg/L	0.063	0.54%
Mg 279.077†	134351.0	90.40	mg/L	0.485	180.8	mg/L	0.97	0.54%
Mn 257.610†	89612.3	3.127	mg/L	0.0180	6.255	mg/L	0.0361	0.58%
Mo 202.031†	61.2	0.00655	mg/L	0.000033	0.01309	mg/L	0.000067	0.51%
Na 589.592†	20202.3	3.121	mg/L	0.0128	6.242	mg/L	0.0256	0.41%
Na 330.237†	54.8	3.097	mg/L	0.2304	6.195	mg/L	0.4608	7.44%
Ni 231.604†	909.3	0.4585	mg/L	0.00608	0.9170	mg/L	0.01216	1.33%
Pb 220.353†	66.7	0.03042	mg/L	0.000921	0.06085	mg/L	0.001841	3.03%
Sb 206.836†	16.3	0.01751	mg/L	0.002922	0.03502	mg/L	0.005844	16.69%
Se 196.026†	-58.0	-0.04855	mg/L	0.003347	-0.09709	mg/L	0.006694	6.89%
Si 288.158†	2583.1	1.782	mg/L	0.0402	3.564	mg/L	0.0803	2.25%
Sn 189.927†	-42.2	-0.00500	mg/L	0.001703	-0.01001	mg/L	0.003406	34.04%
Sr 421.552†	145807.2	0.2012	mg/L	0.00069	0.4025	mg/L	0.00139	0.34%
Ti 334.903†	189313.7	7.185	mg/L	0.0434	14.37	mg/L	0.087	0.60%
Tl 190.801†	-13.3	-0.02001	mg/L	0.010528	-0.04002	mg/L	0.021056	52.62%
V 292.402†	104296.3	0.3904	mg/L	0.00249	0.7808	mg/L	0.00498	0.64%
Zn 206.200†	360.9	0.3543	mg/L	0.00498	0.7087	mg/L	0.00995	1.40%

Sequence No.: 28
Sample ID: JR75 I SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 59
Date Collected: 8/7/2006 5:14:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 I SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

rerun

Mean Data: JR75 I SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1553311.6	95.88	%	1.003				1.05%
ScR 361.383	201807.9	99.38	%	0.732				0.74%
Ag 328.068†	-2532.3	-0.00211	mg/L	0.000185	-0.00422	mg/L	0.000370	8.78%
Al 308.215†	160043.9	116.3	mg/L	2.18	232.6	mg/L	4.37	1.88%
As 188.979†	88.4	0.06736	mg/L	0.008357	0.1347	mg/L	0.01671	12.41%
B 249.677†	72.9	0.02272	mg/L	0.000259	0.04543	mg/L	0.000519	1.14%
Ba 233.527†	1361.6	0.3957	mg/L	0.01744	0.7914	mg/L	0.03488	4.41%
Be 313.042†	1460.1	0.00168	mg/L	0.000094	0.00337	mg/L	0.000188	5.58%
Ca 317.933†	915439.6	42.67	mg/L	0.812	85.35	mg/L	1.623	1.90%
Cd 228.802†	64.7	0.00031	mg/L	0.000334	0.00062	mg/L	0.000668	108.49%
Co 228.616†	2863.8	0.06893	mg/L	0.000715	0.1379	mg/L	0.00143	1.04%
Cr 267.716†	2276.0	0.2759	mg/L	0.01212	0.5519	mg/L	0.02425	4.39%
Cu 324.752†	35977.3	0.1511	mg/L	0.00100	0.3021	mg/L	0.00200	0.66%
Fe 273.955†	164456.1	164.6	mg/L	3.38	329.2	mg/L	6.75	2.05%
K 766.490†	11686.8	8.368	mg/L	0.1171	16.74	mg/L	0.234	1.40%
Mg 279.077†	104671.8	70.41	mg/L	1.367	140.8	mg/L	2.73	1.94%
Mn 257.610†	76043.8	2.654	mg/L	0.0496	5.308	mg/L	0.0991	1.87%
Mo 202.031†	59.0	0.00683	mg/L	0.000602	0.01366	mg/L	0.001204	8.81%
Na 589.592†	19033.7	2.940	mg/L	0.0528	5.881	mg/L	0.1055	1.79%
Na 330.237†	56.1	2.948	mg/L	0.4023	5.895	mg/L	0.8047	13.65%
Ni 231.604†	636.7	0.3211	mg/L	0.01285	0.6421	mg/L	0.02570	4.00%
Pb 220.353†	392.9	0.06833	mg/L	0.000267	0.1367	mg/L	0.00053	0.39%
Sb 206.836†	17.8	0.01930	mg/L	0.002799	0.03860	mg/L	0.005598	14.50%
Se 196.026†	-68.1	-0.05588	mg/L	0.003145	-0.1118	mg/L	0.00629	5.63%
Si 288.158†	2544.0	1.755	mg/L	0.0490	3.510	mg/L	0.0980	2.79%
Sn 189.927†	-39.5	-0.00482	mg/L	0.000845	-0.00965	mg/L	0.001691	17.53%
Sr 421.552†	162855.6	0.2248	mg/L	0.00405	0.4496	mg/L	0.00810	1.80%
Ti 334.903†	167663.2	6.363	mg/L	0.1183	12.73	mg/L	0.237	1.86%
Tl 190.801†	-11.7	-0.01774	mg/L	0.003425	-0.03549	mg/L	0.006851	19.31%
V 292.402†	105655.3	0.3954	mg/L	0.00214	0.7907	mg/L	0.00427	0.54%
Zn 206.200†	540.6	0.5331	mg/L	0.02453	1.066	mg/L	0.0491	4.60%

Sequence No.: 29
Sample ID: JR75 J SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 60
Date Collected: 8/7/2006 5:20:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 J SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 J SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1545979.9	95.43	%	0.381				0.40%
ScR 361.383	209333.0	103.1	%	0.11				0.11%
Ag 328.068†	-2551.2	-0.00131	mg/L	0.000115	-0.00262	mg/L	0.000231	8.80%
Al 308.215†	175294.0	127.4	mg/L	0.27	254.8	mg/L	0.55	0.22%
As 188.979†	95.9	0.07339	mg/L	0.002061	0.1468	mg/L	0.00412	2.81%
B 249.677†	83.8	0.02631	mg/L	0.001354	0.05262	mg/L	0.002708	5.15%
Ba 233.527†	892.4	0.2537	mg/L	0.00090	0.5074	mg/L	0.00180	0.36%
Be 313.042†	1656.5	0.00201	mg/L	0.000047	0.00403	mg/L	0.000095	2.35%
Ca 317.933†	1006932.3	46.94	mg/L	0.069	93.88	mg/L	0.138	0.15%
Cd 228.802†	54.9	-0.00022	mg/L	0.000161	-0.00044	mg/L	0.000322	72.48%
Co 228.616†	2795.6	0.06609	mg/L	0.000641	0.1322	mg/L	0.00128	0.97%
Cr 267.716†	2540.2	0.3095	mg/L	0.00227	0.6190	mg/L	0.00453	0.73%
Cu 324.752†	41706.8	0.1748	mg/L	0.00110	0.3496	mg/L	0.00221	0.63%
Fe 273.955†	185033.2	185.2	mg/L	0.37	370.4	mg/L	0.74	0.20%
K 766.490†	12650.9	9.059	mg/L	0.0162	18.12	mg/L	0.032	0.18%
Mg 279.077†	105792.3	71.15	mg/L	0.264	142.3	mg/L	0.53	0.37%
Mn 257.610†	74271.1	2.592	mg/L	0.0042	5.184	mg/L	0.0083	0.16%
Mo 202.031†	55.6	0.00671	mg/L	0.000121	0.01343	mg/L	0.000242	1.80%
Na 589.592†	22801.6	3.522	mg/L	0.0018	7.045	mg/L	0.0036	0.05%
Na 330.237†	76.5	3.700	mg/L	0.3605	7.400	mg/L	0.7210	9.74%
Ni 231.604†	584.7	0.2949	mg/L	0.00039	0.5897	mg/L	0.00077	0.13%
Pb 220.353†	196.7	0.04777	mg/L	0.000677	0.09554	mg/L	0.001355	1.42%
Sb 206.836†	13.7	0.01510	mg/L	0.003430	0.03021	mg/L	0.006861	22.71%
Se 196.026†	-67.3	-0.05519	mg/L	0.011248	-0.1104	mg/L	0.02250	20.38%
Si 288.158†	3616.3	2.494	mg/L	0.0270	4.989	mg/L	0.0539	1.08%
Sn 189.927†	-42.6	-0.00490	mg/L	0.000811	-0.00979	mg/L	0.001622	16.57%
Sr 421.552†	177536.9	0.2450	mg/L	0.00017	0.4901	mg/L	0.00034	0.07%
Ti 334.903†	177252.1	6.727	mg/L	0.0096	13.45	mg/L	0.019	0.14%
Tl 190.801†	-21.8	-0.02746	mg/L	0.001502	-0.05492	mg/L	0.003004	5.47%
V 292.402†	102191.0	0.3824	mg/L	0.00243	0.7649	mg/L	0.00486	0.64%
Zn 206.200†	450.9	0.4435	mg/L	0.00037	0.8869	mg/L	0.00073	0.08%

Sequence No.: 30
Sample ID: JR75 K SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 61
Date Collected: 8/7/2006 5:26:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 K SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 K SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1543391.6	95.27	%	0.577				0.61%
ScR 361.383	205576.5	101.2	%	0.79				0.78%
Ag 328.068†	-2437.3	-0.00153	mg/L	0.000310	-0.00307	mg/L	0.000621	20.24%
Al 308.215†	160965.0	117.0	mg/L	5.48	233.9	mg/L	10.96	4.69%
As 188.979†	79.7	0.05372	mg/L	0.003694	0.1074	mg/L	0.00739	6.88%
B 249.677†	60.2	0.01810	mg/L	0.002644	0.03621	mg/L	0.005288	14.60%
Ba 233.527†	1348.4	0.3913	mg/L	0.02078	0.7825	mg/L	0.04156	5.31%
Be 313.042†	1453.9	0.00164	mg/L	0.000165	0.00329	mg/L	0.000329	10.02%
Ca 317.933†	1262926.8	58.87	mg/L	2.591	117.7	mg/L	5.18	4.40%
Cd 228.802†	55.4	-0.00003	mg/L	0.000365	-0.00006	mg/L	0.000730	>999.9%
Co 228.616†	3162.8	0.07522	mg/L	0.000717	0.1504	mg/L	0.00143	0.95%
Cr 267.716†	2345.6	0.2846	mg/L	0.01400	0.5692	mg/L	0.02799	4.92%
Cu 324.752†	47889.0	0.1969	mg/L	0.00115	0.3938	mg/L	0.00231	0.59%
Fe 273.955†	170780.3	170.9	mg/L	7.86	341.9	mg/L	15.72	4.60%
K 766.490†	10219.3	7.318	mg/L	0.3033	14.64	mg/L	0.607	4.14%
Mg 279.077†	105866.4	71.21	mg/L	3.195	142.4	mg/L	6.39	4.49%
Mn 257.610†	79482.6	2.774	mg/L	0.1244	5.548	mg/L	0.2487	4.48%
Mo 202.031†	56.7	0.00660	mg/L	0.000420	0.01319	mg/L	0.000839	6.36%
Na 589.592†	24959.2	3.856	mg/L	0.1703	7.711	mg/L	0.3407	4.42%
Na 330.237†	85.4	4.100	mg/L	0.2411	8.200	mg/L	0.4823	5.88%
Ni 231.604†	758.4	0.3824	mg/L	0.01996	0.7649	mg/L	0.03991	5.22%
Pb 220.353†	240.5	0.05080	mg/L	0.001129	0.1016	mg/L	0.00226	2.22%
Sb 206.836†	12.9	0.01562	mg/L	0.005082	0.03123	mg/L	0.010164	32.54%
Se 196.026†	-67.4	-0.05547	mg/L	0.005808	-0.1109	mg/L	0.01162	10.47%
Si 288.158†	1892.9	1.306	mg/L	0.0523	2.612	mg/L	0.1045	4.00%
Sn 189.927†	-37.6	-0.00177	mg/L	0.001556	-0.00354	mg/L	0.003111	87.79%
Sr 421.552†	168739.4	0.2329	mg/L	0.01063	0.4658	mg/L	0.02126	4.56%
Ti 334.903†	200060.2	7.592	mg/L	0.3500	15.18	mg/L	0.700	4.61%
Tl 190.801†	-17.0	-0.02383	mg/L	0.004160	-0.04766	mg/L	0.008320	17.46%
V 292.402†	110728.1	0.4139	mg/L	0.00149	0.8278	mg/L	0.00297	0.36%
Zn 206.200†	478.2	0.4712	mg/L	0.02494	0.9424	mg/L	0.04987	5.29%

Sequence No.: 31
Sample ID: JR75 L SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 62
Date Collected: 8/7/2006 5:33:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 L SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR75 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1533455.7	94.66	%	0.252				0.27%
ScR 361.383	205675.5	101.3	%	0.48				0.47%
Ag 328.068†	-2271.9	-0.00122	mg/L	0.000374	-0.00245	mg/L	0.000749	30.60%
Al 308.215†	150143.0	109.1	mg/L	0.67	218.2	mg/L	1.35	0.62%
As 188.979†	60.8	0.03611	mg/L	0.010613	0.07222	mg/L	0.021226	29.39%
B 249.677†	66.4	0.02042	mg/L	0.003110	0.04083	mg/L	0.006221	15.24%
Ba 233.527†	1168.3	0.3378	mg/L	0.00178	0.6756	mg/L	0.00356	0.53%
Be 313.042†	1437.9	0.00165	mg/L	0.000059	0.00330	mg/L	0.000118	3.58%
Ca 317.933†	1130118.3	52.68	mg/L	0.354	105.4	mg/L	0.71	0.67%
Cd 228.802†	47.0	-0.00019	mg/L	0.000031	-0.00039	mg/L	0.000062	15.88%
Co 228.616†	2808.3	0.06647	mg/L	0.000174	0.1329	mg/L	0.00035	0.26%
Cr 267.716†	2314.0	0.2794	mg/L	0.00052	0.5588	mg/L	0.00104	0.19%
Cu 324.752†	36018.5	0.1511	mg/L	0.00030	0.3021	mg/L	0.00061	0.20%
Fe 273.955†	164503.1	164.6	mg/L	1.08	329.3	mg/L	2.17	0.66%
K 766.490†	9262.5	6.632	mg/L	0.0768	13.26	mg/L	0.154	1.16%
Mg 279.077†	115240.5	77.53	mg/L	0.398	155.1	mg/L	0.80	0.51%
Mn 257.610†	77018.6	2.688	mg/L	0.0173	5.376	mg/L	0.0345	0.64%
Mo 202.031†	57.6	0.00636	mg/L	0.000424	0.01272	mg/L	0.000847	6.66%
Na 589.592†	17522.7	2.707	mg/L	0.0194	5.414	mg/L	0.0388	0.72%
Na 330.237†	49.0	2.782	mg/L	0.2005	5.564	mg/L	0.4010	7.21%
Ni 231.604†	829.1	0.4181	mg/L	0.00203	0.8362	mg/L	0.00406	0.49%
Pb 220.353†	87.2	0.03157	mg/L	0.000651	0.06314	mg/L	0.001302	2.06%
Sb 206.836†	15.2	0.01709	mg/L	0.001429	0.03419	mg/L	0.002857	8.36%
Se 196.026†	-61.2	-0.05055	mg/L	0.005766	-0.1011	mg/L	0.01153	11.41%
Si 288.158†	2399.8	1.655	mg/L	0.0142	3.311	mg/L	0.0283	0.86%
Sn 189.927†	-49.7	-0.00571	mg/L	0.001398	-0.01143	mg/L	0.002795	24.45%
Sr 421.552†	137142.5	0.1893	mg/L	0.00129	0.3786	mg/L	0.00259	0.68%
Ti 334.903†	179213.7	6.801	mg/L	0.0426	13.60	mg/L	0.085	0.63%
Tl 190.801†	-15.1	-0.02126	mg/L	0.004922	-0.04252	mg/L	0.009844	23.15%
V 292.402†	105103.5	0.3931	mg/L	0.00017	0.7863	mg/L	0.00033	0.04%
Zn 206.200†	335.1	0.3290	mg/L	0.00254	0.6581	mg/L	0.00508	0.77%

Sequence No.: 32
Sample ID: JR75 M SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 63
Date Collected: 8/7/2006 5:39:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 M SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR75 M SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1557467.8	96.14	%	0.603				0.63%
ScR 361.383	204555.4	100.7	%	0.56				0.56%
Ag 328.068†	-2266.8	-0.00106	mg/L	0.000196	-0.00213	mg/L	0.000391	18.38%
Al 308.215†	156334.0	113.6	mg/L	0.50	227.2	mg/L	1.01	0.44%
As 188.979†	83.9	0.06040	mg/L	0.003862	0.1208	mg/L	0.00772	6.39%
B 249.677†	72.6	0.02230	mg/L	0.002531	0.04459	mg/L	0.005061	11.35%
Ba 233.527†	1251.7	0.3625	mg/L	0.00324	0.7250	mg/L	0.00648	0.89%
Be 313.042†	1404.2	0.00162	mg/L	0.000026	0.00323	mg/L	0.000053	1.63%
Ca 317.933†	1074567.0	50.09	mg/L	0.212	100.2	mg/L	0.42	0.42%
Cd 228.802†	50.0	-0.00018	mg/L	0.000095	-0.00035	mg/L	0.000189	53.80%
Co 228.616†	2789.3	0.06539	mg/L	0.000430	0.1308	mg/L	0.00086	0.66%
Cr 267.716†	2153.7	0.2604	mg/L	0.00191	0.5208	mg/L	0.00382	0.73%
Cu 324.752†	41694.8	0.1730	mg/L	0.00119	0.3461	mg/L	0.00238	0.69%
Fe 273.955†	168272.2	168.4	mg/L	0.95	336.8	mg/L	1.91	0.57%
K 766.490†	10420.8	7.462	mg/L	0.0423	14.92	mg/L	0.085	0.57%
Mg 279.077†	114292.4	76.88	mg/L	0.320	153.8	mg/L	0.64	0.42%
Mn 257.610†	79000.9	2.757	mg/L	0.0114	5.514	mg/L	0.0227	0.41%
Mo 202.031†	77.1	0.00844	mg/L	0.000527	0.01687	mg/L	0.001055	6.25%
Na 589.592†	22631.7	3.496	mg/L	0.0103	6.992	mg/L	0.0206	0.29%
Na 330.237†	74.7	3.713	mg/L	0.3920	7.427	mg/L	0.7839	10.56%
Ni 231.604†	809.9	0.4084	mg/L	0.00383	0.8168	mg/L	0.00765	0.94%
Pb 220.353†	365.1	0.06457	mg/L	0.000123	0.1291	mg/L	0.00025	0.19%
Sb 206.836†	20.4	0.02258	mg/L	0.003512	0.04515	mg/L	0.007023	15.55%
Se 196.026†	-66.4	-0.05467	mg/L	0.006739	-0.1093	mg/L	0.01348	12.33%
Si 288.158†	2211.8	1.526	mg/L	0.0111	3.051	mg/L	0.0222	0.73%
Sn 189.927†	-37.3	-0.00331	mg/L	0.002374	-0.00663	mg/L	0.004748	71.66%
Sr 421.552†	181241.5	0.2502	mg/L	0.00104	0.5003	mg/L	0.00209	0.42%
Ti 334.903†	187202.3	7.104	mg/L	0.0298	14.21	mg/L	0.060	0.42%
Tl 190.801†	-13.1	-0.01966	mg/L	0.002848	-0.03932	mg/L	0.005696	14.49%
V 292.402†	102043.7	0.3814	mg/L	0.00173	0.7628	mg/L	0.00346	0.45%
Zn 206.200†	432.4	0.4256	mg/L	0.00299	0.8511	mg/L	0.00598	0.70%

Sequence No.: 33
Sample ID: JR75 N SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 64
Date Collected: 8/7/2006 5:45:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 N SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR75 N SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1540315.5	95.08	%	0.347				0.37%
ScR 361.383	203719.4	100.3	%	0.81				0.81%
Ag 328.068†	-2931.2	-0.00165	mg/L	0.000034	-0.00331	mg/L	0.000068	2.07%
Al 308.215†	203422.5	147.8	mg/L	0.63	295.6	mg/L	1.26	0.42%
As 188.979†	88.1	0.05572	mg/L	0.007948	0.1114	mg/L	0.01590	14.26%
B 249.677†	82.8	0.02558	mg/L	0.001486	0.05116	mg/L	0.002973	5.81%
Ba 233.527†	1589.7	0.4606	mg/L	0.00434	0.9211	mg/L	0.00868	0.94%
Be 313.042†	2012.6	0.00240	mg/L	0.000080	0.00479	mg/L	0.000159	3.32%
Ca 317.933†	1530656.1	71.35	mg/L	0.275	142.7	mg/L	0.55	0.39%
Cd 228.802†	65.2	-0.00011	mg/L	0.000158	-0.00022	mg/L	0.000315	141.49%
Co 228.616†	3615.9	0.08528	mg/L	0.000074	0.1706	mg/L	0.00015	0.09%
Cr 267.716†	3580.1	0.4337	mg/L	0.00365	0.8675	mg/L	0.00730	0.84%
Cu 324.752†	49825.2	0.2077	mg/L	0.00125	0.4154	mg/L	0.00249	0.60%
Fe 273.955†	211337.3	211.5	mg/L	0.60	423.0	mg/L	1.19	0.28%
K 766.490†	15275.6	10.94	mg/L	0.088	21.88	mg/L	0.176	0.81%
Mg 279.077†	132809.9	89.33	mg/L	0.406	178.7	mg/L	0.81	0.45%
Mn 257.610†	105259.9	3.674	mg/L	0.0152	7.347	mg/L	0.0303	0.41%
Mo 202.031†	71.4	0.00832	mg/L	0.000216	0.01664	mg/L	0.000432	2.60%
Na 589.592†	32814.3	5.069	mg/L	0.0166	10.14	mg/L	0.033	0.33%
Na 330.237†	116.7	5.386	mg/L	0.1469	10.77	mg/L	0.294	2.73%
Ni 231.604†	1066.6	0.5379	mg/L	0.00789	1.076	mg/L	0.0158	1.47%
Pb 220.353†	227.1	0.05547	mg/L	0.000836	0.1109	mg/L	0.00167	1.51%
Sb 206.836†	19.2	0.02079	mg/L	0.005752	0.04157	mg/L	0.011505	27.67%
Se 196.026†	-80.2	-0.06641	mg/L	0.001657	-0.1328	mg/L	0.00331	2.49%
Si 288.158†	2270.0	1.566	mg/L	0.0248	3.132	mg/L	0.0496	1.58%
Sn 189.927†	-50.5	-0.00335	mg/L	0.002479	-0.00670	mg/L	0.004959	74.06%
Sr 421.552†	216268.3	0.2985	mg/L	0.00118	0.5970	mg/L	0.00236	0.39%
Ti 334.903†	237455.6	9.012	mg/L	0.0370	18.02	mg/L	0.074	0.41%
Tl 190.801†	-18.8	-0.02703	mg/L	0.001447	-0.05407	mg/L	0.002895	5.35%
V 292.402†	132741.3	0.4969	mg/L	0.00288	0.9938	mg/L	0.00576	0.58%
Zn 206.200†	479.3	0.4713	mg/L	0.00326	0.9425	mg/L	0.00652	0.69%

Sequence No.: 34
Sample ID: JR75 REF SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 65
Date Collected: 8/7/2006 5:51:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR75 REF SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR75 REF SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1566258.8	96.68	%	0.456				0.47%
ScR 361.383	204525.1	100.7	%	0.81				0.81%
Ag 328.068†	322594.8	1.106	mg/L	0.0089	2.212	mg/L	0.0177	0.80%
Al 308.215†	129931.7	94.40	mg/L	0.273	188.8	mg/L	0.55	0.29%
As 188.979†	941.4	1.009	mg/L	0.0059	2.019	mg/L	0.0118	0.59%
B 249.677†	2049.5	0.6789	mg/L	0.00487	1.358	mg/L	0.0097	0.72%
Ba 233.527†	5378.3	1.600	mg/L	0.0093	3.201	mg/L	0.0187	0.58%
Be 313.042†	329670.6	0.5183	mg/L	0.00103	1.037	mg/L	0.0021	0.20%
Ca 317.933†	857915.5	39.99	mg/L	0.061	79.98	mg/L	0.121	0.15%
Cd 228.802†	17718.5	0.5651	mg/L	0.00217	1.130	mg/L	0.0043	0.38%
Co 228.616†	26966.9	0.7636	mg/L	0.00258	1.527	mg/L	0.0052	0.34%
Cr 267.716†	5768.6	0.7007	mg/L	0.00316	1.401	mg/L	0.0063	0.45%
Cu 324.752†	230703.1	0.8933	mg/L	0.00823	1.787	mg/L	0.0165	0.92%
Fe 273.955†	135420.7	135.5	mg/L	0.38	271.1	mg/L	0.76	0.28%
K 766.490†	35030.0	25.08	mg/L	0.019	50.17	mg/L	0.037	0.07%
Mg 279.077†	44782.1	30.08	mg/L	0.076	60.15	mg/L	0.152	0.25%
Mn 257.610†	136027.2	4.750	mg/L	0.0132	9.501	mg/L	0.0264	0.28%
Mo 202.031†	2272.3	0.2295	mg/L	0.00075	0.4590	mg/L	0.00151	0.33%
Na 589.592†	15820.0	2.444	mg/L	0.0060	4.888	mg/L	0.0120	0.25%
Na 330.237†	77.3	2.430	mg/L	0.1484	4.860	mg/L	0.2969	6.11%
Ni 231.604†	1103.3	0.5566	mg/L	0.00531	1.113	mg/L	0.0106	0.95%
Pb 220.353†	10409.7	1.224	mg/L	0.0036	2.449	mg/L	0.0072	0.29%
Sb 206.836†	498.8	0.4803	mg/L	0.00394	0.9606	mg/L	0.00788	0.82%
Se 196.026†	1344.4	1.038	mg/L	0.0050	2.075	mg/L	0.0099	0.48%
Si 288.158†	3784.3	2.611	mg/L	0.0173	5.222	mg/L	0.0346	0.66%
Sn 189.927†	4004.4	0.9457	mg/L	0.00232	1.891	mg/L	0.0046	0.25%
Sr 421.552†	397071.2	0.5480	mg/L	0.00126	1.096	mg/L	0.0025	0.23%
Ti 334.903†	89923.5	3.412	mg/L	0.0061	6.825	mg/L	0.0122	0.18%
Tl 190.801†	1982.4	1.839	mg/L	0.0069	3.679	mg/L	0.0138	0.37%
V 292.402†	322691.5	1.214	mg/L	0.0104	2.427	mg/L	0.0208	0.86%
Zn 206.200†	2561.2	2.541	mg/L	0.0142	5.081	mg/L	0.0285	0.56%

Sequence No.: 35
Sample ID: CV 6
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 5:58:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1515862.5	93.57	%	0.591				0.63%
ScR 361.383	197741.2	97.38	%	0.354				0.36%
Ag 328.068†	298354.4	1.018	mg/L	0.0047	1.018	mg/L	0.0047	0.46%
Al 308.215†	2839.5	2.026	mg/L	0.0069	2.026	mg/L	0.0069	0.34%
As 188.979†	1858.1	2.028	mg/L	0.0090	2.028	mg/L	0.0090	0.44%
B 249.677†	2987.1	0.9924	mg/L	0.00248	0.9924	mg/L	0.00248	0.25%
Ba 233.527†	3273.0	0.9796	mg/L	0.00291	0.9796	mg/L	0.00291	0.30%
Be 313.042†	620612.9	0.9776	mg/L	0.00517	0.9776	mg/L	0.00517	0.53%
Ca 317.933†	43536.9	2.029	mg/L	0.0114	2.029	mg/L	0.0114	0.56%
Cd 228.802†	32407.1	1.036	mg/L	0.0046	1.036	mg/L	0.0046	0.45%
Co 228.616†	34923.3	0.9973	mg/L	0.00544	0.9973	mg/L	0.00544	0.55%
Cr 267.716†	7925.5	0.9565	mg/L	0.00269	0.9565	mg/L	0.00269	0.28%
Cu 324.752†	278498.1	1.063	mg/L	0.0041	1.063	mg/L	0.0041	0.38%
Fe 273.955†	2022.9	2.022	mg/L	0.0039	2.022	mg/L	0.0039	0.19%
K 766.490†	29404.7	21.06	mg/L	0.187	21.06	mg/L	0.187	0.89%
Mg 279.077†	3003.6	2.028	mg/L	0.0047	2.028	mg/L	0.0047	0.23%
Mn 257.610†	27169.0	0.9494	mg/L	0.00267	0.9494	mg/L	0.00267	0.28%
Mo 202.031†	9991.6	1.003	mg/L	0.0042	1.003	mg/L	0.0042	0.42%
Na 589.592†	331588.0	51.22	mg/L	0.274	51.22	mg/L	0.274	0.53%
Na 330.237†	1546.9	51.48	mg/L	0.437	51.48	mg/L	0.437	0.85%
Ni 231.604†	1979.7	0.9996	mg/L	0.00406	0.9996	mg/L	0.00406	0.41%
Pb 220.353†	17179.1	1.991	mg/L	0.0077	1.991	mg/L	0.0077	0.39%
Sb 206.836†	2271.7	2.155	mg/L	0.0096	2.155	mg/L	0.0096	0.45%
Se 196.026†	2618.4	2.030	mg/L	0.0110	2.030	mg/L	0.0110	0.54%
Si 288.158†	2964.0	2.046	mg/L	0.0065	2.046	mg/L	0.0065	0.32%
Sn 189.927†	4086.7	0.9626	mg/L	0.00523	0.9626	mg/L	0.00523	0.54%
Sr 421.552†	723418.1	0.9985	mg/L	0.00559	0.9985	mg/L	0.00559	0.56%
Ti 334.903†	26706.4	1.012	mg/L	0.0064	1.012	mg/L	0.0064	0.63%
Tl 190.801†	2165.2	2.014	mg/L	0.0141	2.014	mg/L	0.0141	0.70%
V 292.402†	271341.7	1.024	mg/L	0.0042	1.024	mg/L	0.0042	0.41%
Zn 206.200†	1015.5	1.008	mg/L	0.0066	1.008	mg/L	0.0066	0.66%

Sequence No.: 36
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 6:04:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1545999.5	95.43	%	0.367				0.38%
ScR 361.383	197452.3	97.24	%	0.990				1.02%
Ag 328.068†	5.9	0.00002	mg/L	0.000149	0.00002	mg/L	0.000149	744.13%
Al 308.215†	13.0	0.00942	mg/L	0.009438	0.00942	mg/L	0.009438	100.18%
As 188.979†	7.2	0.00790	mg/L	0.003790	0.00790	mg/L	0.003790	47.97%
B 249.677†	23.2	0.00769	mg/L	0.001390	0.00769	mg/L	0.001390	18.09%
Ba 233.527†	-4.0	-0.00119	mg/L	0.000875	-0.00119	mg/L	0.000875	73.41%
Be 313.042†	10.6	0.00002	mg/L	0.000045	0.00002	mg/L	0.000045	278.51%
Ca 317.933†	29.1	0.00136	mg/L	0.000785	0.00136	mg/L	0.000785	57.85%
Cd 228.802†	1.0	0.00002	mg/L	0.000046	0.00002	mg/L	0.000046	231.44%
Co 228.616†	6.6	0.00019	mg/L	0.000262	0.00019	mg/L	0.000262	139.53%
Cr 267.716†	12.7	0.00154	mg/L	0.001362	0.00154	mg/L	0.001362	88.71%
Cu 324.752†	172.0	0.00066	mg/L	0.000141	0.00066	mg/L	0.000141	21.44%
Fe 273.955†	2.7	0.00270	mg/L	0.002577	0.00270	mg/L	0.002577	95.38%
K 766.490†	138.7	0.09929	mg/L	0.017748	0.09929	mg/L	0.017748	17.87%
Mg 279.077†	8.1	0.00549	mg/L	0.010855	0.00549	mg/L	0.010855	197.73%
Mn 257.610†	16.0	0.00056	mg/L	0.000382	0.00056	mg/L	0.000382	68.20%
Mo 202.031†	11.4	0.00115	mg/L	0.000304	0.00115	mg/L	0.000304	26.47%
Na 589.592†	-42.6	-0.00659	mg/L	0.005132	-0.00659	mg/L	0.005132	77.92%
Na 330.237†	-5.8	-0.1932	mg/L	0.28863	-0.1932	mg/L	0.28863	149.40%
Ni 231.604†	-1.4	-0.00070	mg/L	0.002503	-0.00070	mg/L	0.002503	359.92%
Pb 220.353†	25.4	0.00295	mg/L	0.000328	0.00295	mg/L	0.000328	11.14%
Sb 206.836†	0.0	0.00004	mg/L	0.000741	0.00004	mg/L	0.000741	>999.9%
Se 196.026†	7.3	0.00564	mg/L	0.007560	0.00564	mg/L	0.007560	134.07%
Si 288.158†	2.1	0.00142	mg/L	0.004132	0.00142	mg/L	0.004132	291.05%
Sn 189.927†	7.8	0.00184	mg/L	0.000358	0.00184	mg/L	0.000358	19.46%
Sr 421.552†	28.3	0.00004	mg/L	0.000104	0.00004	mg/L	0.000104	265.37%
Ti 334.903†	27.8	0.00105	mg/L	0.001168	0.00105	mg/L	0.001168	110.68%
Tl 190.801†	2.9	0.00268	mg/L	0.003501	0.00268	mg/L	0.003501	130.58%
V 292.402†	72.6	0.00028	mg/L	0.000199	0.00028	mg/L	0.000199	70.15%
Zn 206.200†	3.7	0.00369	mg/L	0.001412	0.00369	mg/L	0.001412	38.31%

Sequence No.: 37
Sample ID: JQ35R MB1 SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 66
Date Collected: 8/7/2006 6:10:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R MB1 SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

DLL

Mean Data: JQ35R MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1558518.4	96.20	%	0.226				0.23%
ScR 361.383	199326.8	98.16	%	0.132				0.13%
Ag 328.068†	13.0	0.00004	mg/L	0.000148	0.00009	mg/L	0.000297	332.72%
Al 308.215†	108.2	0.07864	mg/L	0.009241	0.1573	mg/L	0.01848	11.75%
As 188.979†	8.5	0.00929	mg/L	0.002861	0.01859	mg/L	0.005723	30.79%
B 249.677†	16.1	0.00533	mg/L	0.002551	0.01067	mg/L	0.005102	47.83%
Ba 233.527†	-2.6	-0.00079	mg/L	0.000745	-0.00158	mg/L	0.001489	94.32%
Be 313.042†	22.9	0.00004	mg/L	0.000032	0.00007	mg/L	0.000064	89.35%
Ca 317.933†	2924.1	0.1363	mg/L	0.00153	0.2726	mg/L	0.00306	1.12%
Cd 228.802†	3.3	0.00009	mg/L	0.000155	0.00019	mg/L	0.000310	166.14%
Co 228.616†	3.7	0.00010	mg/L	0.000240	0.00020	mg/L	0.000480	239.91%
Cr 267.716†	10.0	0.00121	mg/L	0.001174	0.00241	mg/L	0.002348	97.40%
Cu 324.752†	160.1	0.00061	mg/L	0.000061	0.00122	mg/L	0.000122	10.02%
Fe 273.955†	11.1	0.01108	mg/L	0.003696	0.02217	mg/L	0.007392	33.34%
K 766.490†	136.4	0.09769	mg/L	0.037622	0.1954	mg/L	0.07524	38.51%
Mg 279.077†	50.6	0.03409	mg/L	0.005272	0.06817	mg/L	0.010544	15.47%
Mn 257.610†	19.7	0.00069	mg/L	0.000095	0.00137	mg/L	0.000189	13.78%
Mo 202.031†	6.2	0.00062	mg/L	0.000208	0.00124	mg/L	0.000415	33.55%
Na 589.592†	-68.5	-0.01059	mg/L	0.003551	-0.02117	mg/L	0.007103	33.55%
Na 330.237†	13.9	0.4567	mg/L	0.39915	0.9135	mg/L	0.79829	87.39%
Ni 231.604†	-0.2	-0.00010	mg/L	0.001258	-0.00021	mg/L	0.002517	>999.9%
Pb 220.353†	21.7	0.00252	mg/L	0.000321	0.00505	mg/L	0.000643	12.73%
Sb 206.836†	1.5	0.00140	mg/L	0.000791	0.00281	mg/L	0.001583	56.41%
Se 196.026†	2.9	0.00227	mg/L	0.004628	0.00453	mg/L	0.009255	204.17%
Si 288.158†	6.6	0.00458	mg/L	0.005934	0.00916	mg/L	0.011867	129.60%
Sn 189.927†	8.7	0.00206	mg/L	0.000369	0.00411	mg/L	0.000738	17.95%
Sr 421.552†	189.3	0.00026	mg/L	0.000036	0.00052	mg/L	0.000073	13.95%
Ti 334.903†	106.8	0.00405	mg/L	0.000362	0.00810	mg/L	0.000724	8.94%
Tl 190.801†	-0.9	-0.00081	mg/L	0.001062	-0.00161	mg/L	0.002123	131.65%
V 292.402†	60.1	0.00023	mg/L	0.000097	0.00047	mg/L	0.000193	41.58%
Zn 206.200†	27.4	0.02724	mg/L	0.003066	0.05448	mg/L	0.006133	11.26%

Sequence No.: 38
Sample ID: JR24 B TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 67
Date Collected: 8/7/2006 6:17:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 B TWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR24 B TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1479436.7	91.32	%	0.776				0.85%
ScR 361.383	196456.1	96.75	%	1.169				1.21%
Ag 328.068†	-314.3	-0.00052	mg/L	0.000225	-0.00052	mg/L	0.000225	43.17%
Al 308.215†	28.6	0.02047	mg/L	0.002385	0.02047	mg/L	0.002385	11.65%
As 188.979†	19.7	0.01869	mg/L	0.006219	0.01869	mg/L	0.006219	33.27%
B 249.677†	1237.6	0.4098	mg/L	0.00550	0.4098	mg/L	0.00550	1.34%
Ba 233.527†	137.0	0.03966	mg/L	0.001062	0.03966	mg/L	0.001062	2.68%
Be 313.042†	55.9	0.00007	mg/L	0.000064	0.00007	mg/L	0.000064	87.52%
Ca 317.933†	1073379.5	50.04	mg/L	0.414	50.04	mg/L	0.414	0.83%
Cd 228.802†	0.1	-0.00022	mg/L	0.000045	-0.00022	mg/L	0.000045	20.50%
Co 228.616†	17.3	0.00003	mg/L	0.000153	0.00003	mg/L	0.000153	440.23%
Cr 267.716†	69.9	0.00208	mg/L	0.001076	0.00208	mg/L	0.001076	51.84%
Cu 324.752†	175.8	0.00204	mg/L	0.000190	0.00204	mg/L	0.000190	9.31%
Fe 273.955†	18760.5	18.78	mg/L	0.293	18.78	mg/L	0.293	1.56%
K 766.490†	14217.1	10.18	mg/L	0.223	10.18	mg/L	0.223	2.19%
Mg 279.077†	69985.8	47.14	mg/L	1.152	47.14	mg/L	1.152	2.44%
Mn 257.610†	40967.6	1.430	mg/L	0.0269	1.430	mg/L	0.0269	1.88%
Mo 202.031†	61.8	0.00509	mg/L	0.000453	0.00509	mg/L	0.000453	8.90%
Na 589.592†	1289054.3	199.1	mg/L	1.72	199.1	mg/L	1.72	0.86%
Na 330.237†	6124.2	203.4	mg/L	3.55	203.4	mg/L	3.55	1.75%
Ni 231.604†	0.3	0.00018	mg/L	0.002649	0.00018	mg/L	0.002649	>999.9%
Pb 220.353†	32.3	0.00376	mg/L	0.000312	0.00376	mg/L	0.000312	8.28%
Sb 206.836†	5.5	0.00499	mg/L	0.002879	0.00499	mg/L	0.002879	57.73%
Se 196.026†	-16.3	-0.01429	mg/L	0.007117	-0.01429	mg/L	0.007117	49.81%
Si 288.158†	11009.0	7.592	mg/L	0.1938	7.592	mg/L	0.1938	2.55%
Sn 189.927†	-54.3	-0.00513	mg/L	0.001067	-0.00513	mg/L	0.001067	20.80%
Sr 421.552†	208284.3	0.2875	mg/L	0.00249	0.2875	mg/L	0.00249	0.86%
Ti 334.903†	190.3	0.00721	mg/L	0.001034	0.00721	mg/L	0.001034	14.34%
Tl 190.801†	-7.1	-0.00666	mg/L	0.004478	-0.00666	mg/L	0.004478	67.20%
V 292.402†	2611.7	0.01006	mg/L	0.000155	0.01006	mg/L	0.000155	1.55%
Zn 206.200†	3.3	0.00340	mg/L	0.002294	0.00340	mg/L	0.002294	67.48%

Sequence No.: 39
Sample ID: JR24 C TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 68
Date Collected: 8/7/2006 6:23:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 C TWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR24 C TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1339101.2	82.66	%	0.367				0.44%
ScR 361.383	185349.2	91.28	%	0.658				0.72%
Ag 328.068†	-941.0	-0.00094	mg/L	0.000223	-0.00094	mg/L	0.000223	23.67%
Al 308.215†	9.6	0.00666	mg/L	0.001268	0.00666	mg/L	0.001268	19.03%
As 188.979†	23.2	0.01766	mg/L	0.001640	0.01766	mg/L	0.001640	9.28%
B 249.677†	1874.8	0.6208	mg/L	0.00906	0.6208	mg/L	0.00906	1.46%
Ba 233.527†	337.4	0.09639	mg/L	0.000602	0.09639	mg/L	0.000602	0.62%
Be 313.042†	164.2	0.00025	mg/L	0.000005	0.00025	mg/L	0.000005	2.08%
Ca 317.933†	2960139.3	138.0	mg/L	0.98	138.0	mg/L	0.98	0.71%
Cd 228.802†	3.6	-0.00058	mg/L	0.000031	-0.00058	mg/L	0.000031	5.31%
Co 228.616†	40.6	-0.00039	mg/L	0.000293	-0.00039	mg/L	0.000293	74.98%
Cr 267.716†	138.3	-0.00261	mg/L	0.000560	-0.00261	mg/L	0.000560	21.44%
Cu 324.752†	-66.8	0.00455	mg/L	0.000323	0.00455	mg/L	0.000323	7.09%
Fe 273.955†	64621.8	64.68	mg/L	0.429	64.68	mg/L	0.429	0.66%
K 766.490†	72383.1	51.83	mg/L	0.352	51.83	mg/L	0.352	0.68%
Mg 279.077†	227340.1	153.1	mg/L	0.90	153.1	mg/L	0.90	0.59%
Mn 257.610†	73873.6	2.577	mg/L	0.0210	2.577	mg/L	0.0210	0.82%
Mo 202.031†	101.1	0.00652	mg/L	0.000469	0.00652	mg/L	0.000469	7.19%
Na 589.592†	Saturated2							
Na 330.237†	38304.8	1274	mg/L	7.4	1274	mg/L	7.4	0.58%
Ni 231.604†	2.3	0.00114	mg/L	0.000658	0.00114	mg/L	0.000658	57.57%
Pb 220.353†	67.8	0.00788	mg/L	0.000164	0.00788	mg/L	0.000164	2.09%
Sb 206.836†	10.8	0.00971	mg/L	0.004827	0.00971	mg/L	0.004827	49.72%
Se 196.026†	-38.7	-0.03296	mg/L	0.004917	-0.03296	mg/L	0.004917	14.92%
Si 288.158†	36304.0	25.03	mg/L	0.376	25.03	mg/L	0.376	1.50%
Sn 189.927†	-96.2	-0.00220	mg/L	0.000709	-0.00220	mg/L	0.000709	32.25%
Sr 421.552†	765385.0	1.056	mg/L	0.0078	1.056	mg/L	0.0078	0.73%
Ti 334.903†	239.9	0.00909	mg/L	0.001288	0.00909	mg/L	0.001288	14.17%
Tl 190.801†	-24.2	-0.02256	mg/L	0.005682	-0.02256	mg/L	0.005682	25.18%
V 292.402†	1316.6	0.00544	mg/L	0.000116	0.00544	mg/L	0.000116	2.12%
Zn 206.200†	1.0	0.00105	mg/L	0.003695	0.00105	mg/L	0.003695	352.99%

Sequence No.: 40
Sample ID: JR24 D TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 69
Date Collected: 8/7/2006 6:30:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 D TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JR24 D TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1197600.2	73.92	%	0.564				0.76%
ScR 361.383	175489.6	86.42	%	0.808				0.93%
Ag 328.068†	-540.0	-0.00118	mg/L	0.000168	-0.00118	mg/L	0.000168	14.24%
Al 308.215†	5655.8	4.110	mg/L	0.0206	4.110	mg/L	0.0206	0.50%
As 188.979†	35.6	0.02586	mg/L	0.012095	0.02586	mg/L	0.012095	46.77%
B 249.677†	13003.2	4.305	mg/L	0.0229	4.305	mg/L	0.0229	0.53%
Ba 233.527†	675.7	0.2011	mg/L	0.00304	0.2011	mg/L	0.00304	1.51%
Be 313.042†	234.8	0.00034	mg/L	0.000039	0.00034	mg/L	0.000039	11.57%
Ca 317.933†	4660335.0	217.2	mg/L	0.88	217.2	mg/L	0.88	0.41%
Cd 228.802†	-2.7	-0.00033	mg/L	0.000156	-0.00033	mg/L	0.000156	47.41%
Co 228.616†	122.3	0.00276	mg/L	0.000272	0.00276	mg/L	0.000272	9.85%
Cr 267.716†	633.6	-0.01807	mg/L	0.000882	-0.01807	mg/L	0.000882	4.88%
Cu 324.752†	5086.5	0.01569	mg/L	0.000180	0.01569	mg/L	0.000180	1.15%
Fe 273.955†	17737.9	17.75	mg/L	0.101	17.75	mg/L	0.101	0.57%
K 766.490†	275318.1	197.1	mg/L	0.98	197.1	mg/L	0.98	0.50%
Mg 279.077†	930070.0	626.7	mg/L	1.26	626.7	mg/L	1.26	0.20%
Mn 257.610†	13681.5	0.4660	mg/L	0.00352	0.4660	mg/L	0.00352	0.76%
Mo 202.031†	152.0	0.00050	mg/L	0.000136	0.00050	mg/L	0.000136	27.05%
Na 589.592†	Saturated2							
Na 330.237†	139011.3	4626	mg/L	24.4	4626	mg/L	24.4	0.53%
Ni 231.604†	10.7	0.00540	mg/L	0.003427	0.00540	mg/L	0.003427	63.42%
Pb 220.353†	74.0	0.00948	mg/L	0.001500	0.00948	mg/L	0.001500	15.82%
Sb 206.836†	13.1	0.01110	mg/L	0.001018	0.01110	mg/L	0.001018	9.17%
Se 196.026†	-45.9	-0.03615	mg/L	0.003599	-0.03615	mg/L	0.003599	9.96%
Si 288.158†	21769.4	15.01	mg/L	0.079	15.01	mg/L	0.079	0.52%
Sn 189.927†	-101.9	-0.00232	mg/L	0.000953	-0.00232	mg/L	0.000953	40.99%
Sr 421.552†	2411775.2	3.329	mg/L	0.0159	3.329	mg/L	0.0159	0.48%
Ti 334.903†	5308.8	0.2014	mg/L	0.00092	0.2014	mg/L	0.00092	0.46%
Tl 190.801†	-23.3	-0.02190	mg/L	0.011480	-0.02190	mg/L	0.011480	52.43%
V 292.402†	4966.4	0.01914	mg/L	0.000235	0.01914	mg/L	0.000235	1.23%
Zn 206.200†	12.1	0.01429	mg/L	0.003393	0.01429	mg/L	0.003393	23.75%

Sequence No.: 41
Sample ID: JQ35R ADUP SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 70
Date Collected: 8/7/2006 6:37:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R ADUP SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

DJL

Mean Data: JQ35R ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1594581.7	98.43	%	0.269				0.27%
ScR 361.383	209321.5	103.1	%	0.81				0.79%
Ag 328.068†	-1694.4	0.00361	mg/L	0.000283	0.00723	mg/L	0.000566	7.84%
Al 308.215†	282534.1	205.3	mg/L	1.58	410.6	mg/L	3.16	0.77%
As 188.979†	98.0	0.06087	mg/L	0.003300	0.1217	mg/L	0.00660	5.42%
B 249.677†	136.4	0.04225	mg/L	0.004405	0.08451	mg/L	0.008810	10.42%
Ba 233.527†	3229.5	0.9499	mg/L	0.01258	1.900	mg/L	0.0252	1.32%
Be 313.042†	2648.5	0.00326	mg/L	0.000036	0.00652	mg/L	0.000073	1.12%
Ca 317.933†	833259.4	38.84	mg/L	0.345	77.68	mg/L	0.690	0.89%
Cd 228.802†	316.3	0.00759	mg/L	0.000110	0.01518	mg/L	0.000220	1.45%
Co 228.616†	4003.5	0.09525	mg/L	0.000366	0.1905	mg/L	0.00073	0.38%
Cr 267.716†	1722.0	0.2186	mg/L	0.00262	0.4373	mg/L	0.00523	1.20%
Cu 324.752†	90660.4	0.3662	mg/L	0.00262	0.7323	mg/L	0.00524	0.72%
Fe 273.955†	234873.1	235.1	mg/L	1.08	470.2	mg/L	2.15	0.46%
K 766.490†	10057.2	7.201	mg/L	0.1096	14.40	mg/L	0.219	1.52%
Mg 279.077†	61187.5	41.05	mg/L	0.330	82.11	mg/L	0.660	0.80%
Mn 257.610†	98276.4	3.431	mg/L	0.0207	6.861	mg/L	0.0414	0.60%
Mo 202.031†	67.8	0.01038	mg/L	0.000348	0.02077	mg/L	0.000697	3.36%
Na 589.592†	44967.8	6.947	mg/L	0.1154	13.89	mg/L	0.231	1.66%
Na 330.237†	135.9	6.115	mg/L	0.0946	12.23	mg/L	0.189	1.55%
Ni 231.604†	374.0	0.1886	mg/L	0.00271	0.3773	mg/L	0.00541	1.43%
Pb 220.353†	9445.0	1.133	mg/L	0.0023	2.267	mg/L	0.0047	0.21%
Sb 206.836†	15.1	0.02147	mg/L	0.001283	0.04293	mg/L	0.002565	5.97%
Se 196.026†	-81.9	-0.06747	mg/L	0.007801	-0.1349	mg/L	0.01560	11.56%
Si 288.158†	3539.6	2.441	mg/L	0.0351	4.882	mg/L	0.0701	1.44%
Sn 189.927†	-12.0	0.00110	mg/L	0.002375	0.00220	mg/L	0.004750	216.13%
Sr 421.552†	364640.9	0.5033	mg/L	0.00410	1.007	mg/L	0.0082	0.81%
Ti 334.903†	259217.6	9.838	mg/L	0.0773	19.68	mg/L	0.155	0.79%
Tl 190.801†	-9.8	-0.01950	mg/L	0.001300	-0.03901	mg/L	0.002600	6.66%
V 292.402†	156632.9	0.5845	mg/L	0.00454	1.169	mg/L	0.0091	0.78%
Zn 206.200†	2122.9	2.103	mg/L	0.0288	4.206	mg/L	0.0576	1.37%

Sequence No.: 42
Sample ID: JQ35R A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 71
Date Collected: 8/7/2006 6:43:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R A SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JQ35R A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1602933.0	98.94	%	0.275				0.28%
ScR 361.383	205693.1	101.3	%	0.53				0.52%
Ag 328.068†	-2129.3	0.00149	mg/L	0.000078	0.00297	mg/L	0.000156	5.26%
Al 308.215†	264809.0	192.4	mg/L	0.79	384.9	mg/L	1.57	0.41%
As 188.979†	99.6	0.06633	mg/L	0.003698	0.1327	mg/L	0.00740	5.57%
B 249.677†	79.2	0.02354	mg/L	0.001864	0.04708	mg/L	0.003727	7.92%
Ba 233.527†	2899.7	0.8523	mg/L	0.02059	1.705	mg/L	0.0412	2.42%
Be 313.042†	2394.4	0.00285	mg/L	0.000032	0.00569	mg/L	0.000064	1.12%
Ca 317.933†	767768.8	35.79	mg/L	0.128	71.58	mg/L	0.255	0.36%
Cd 228.802†	309.3	0.00753	mg/L	0.000073	0.01506	mg/L	0.000145	0.97%
Co 228.616†	4051.8	0.09840	mg/L	0.000614	0.1968	mg/L	0.00123	0.62%
Cr 267.716†	1548.0	0.1969	mg/L	0.00429	0.3938	mg/L	0.00858	2.18%
Cu 324.752†	91773.7	0.3691	mg/L	0.00186	0.7382	mg/L	0.00371	0.50%
Fe 273.955†	218514.2	218.7	mg/L	0.51	437.4	mg/L	1.02	0.23%
K 766.490†	9408.0	6.737	mg/L	0.0542	13.47	mg/L	0.108	0.80%
Mg 279.077†	56524.6	37.92	mg/L	0.107	75.85	mg/L	0.214	0.28%
Mn 257.610†	92102.3	3.215	mg/L	0.0110	6.430	mg/L	0.0219	0.34%
Mo 202.031†	35.6	0.00694	mg/L	0.000568	0.01387	mg/L	0.001136	8.19%
Na 589.592†	38635.5	5.968	mg/L	0.0145	11.94	mg/L	0.029	0.24%
Na 330.237†	121.4	5.514	mg/L	0.3413	11.03	mg/L	0.683	6.19%
Ni 231.604†	355.9	0.1795	mg/L	0.00582	0.3590	mg/L	0.01164	3.24%
Pb 220.353†	9847.8	1.177	mg/L	0.0002	2.355	mg/L	0.0003	0.01%
Sb 206.836†	18.6	0.02437	mg/L	0.002479	0.04874	mg/L	0.004959	10.17%
Se 196.026†	-89.1	-0.07279	mg/L	0.003016	-0.1456	mg/L	0.00603	4.14%
Si 288.158†	2716.6	1.874	mg/L	0.0238	3.747	mg/L	0.0476	1.27%
Sn 189.927†	-6.5	0.00212	mg/L	0.000531	0.00423	mg/L	0.001061	25.09%
Sr 421.552†	346459.4	0.4782	mg/L	0.00200	0.9564	mg/L	0.00399	0.42%
Ti 334.903†	235166.3	8.925	mg/L	0.0385	17.85	mg/L	0.077	0.43%
Tl 190.801†	-20.2	-0.02847	mg/L	0.003275	-0.05693	mg/L	0.006549	11.50%
V 292.402†	158481.5	0.5916	mg/L	0.00267	1.183	mg/L	0.0053	0.45%
Zn 206.200†	1778.9	1.762	mg/L	0.0407	3.524	mg/L	0.0814	2.31%

Sequence No.: 43
Sample ID: JQ35R ASPK SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 72
Date Collected: 8/7/2006 6:49:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ35R ASPK SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: JQ35R ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1588425.9	98.05	%	0.423				0.43%
ScR 361.383	207514.7	102.2	%	0.70				0.69%
Ag 328.068†	140359.5	0.4883	mg/L	0.00039	0.9766	mg/L	0.00077	0.08%
Al 308.215†	288020.8	209.3	mg/L	0.62	418.6	mg/L	1.23	0.29%
As 188.979†	1792.0	1.914	mg/L	0.0058	3.828	mg/L	0.0116	0.30%
B 249.677†	78.8	0.02415	mg/L	0.000651	0.04831	mg/L	0.001301	2.69%
Ba 233.527†	9558.6	2.845	mg/L	0.0255	5.690	mg/L	0.0510	0.90%
Be 313.042†	314092.3	0.4940	mg/L	0.00114	0.9879	mg/L	0.00228	0.23%
Ca 317.933†	1041236.5	48.54	mg/L	0.124	97.07	mg/L	0.249	0.26%
Cd 228.802†	15462.2	0.4905	mg/L	0.00026	0.9809	mg/L	0.00051	0.05%
Co 228.616†	19768.5	0.5464	mg/L	0.00079	1.093	mg/L	0.0016	0.14%
Cr 267.716†	5540.4	0.6781	mg/L	0.00585	1.356	mg/L	0.0117	0.86%
Cu 324.752†	239812.2	0.9359	mg/L	0.00094	1.872	mg/L	0.0019	0.10%
Fe 273.955†	232990.9	233.2	mg/L	0.77	466.4	mg/L	1.55	0.33%
K 766.490†	23784.1	17.03	mg/L	0.169	34.06	mg/L	0.339	0.99%
Mg 279.077†	75085.9	50.42	mg/L	0.151	100.8	mg/L	0.30	0.30%
Mn 257.610†	110239.3	3.849	mg/L	0.0125	7.697	mg/L	0.0249	0.32%
Mo 202.031†	36.7	0.00712	mg/L	0.000733	0.01424	mg/L	0.001467	10.30%
Na 589.592†	105729.9	16.33	mg/L	0.023	32.67	mg/L	0.046	0.14%
Na 330.237†	438.1	15.88	mg/L	0.225	31.77	mg/L	0.450	1.42%
Ni 231.604†	1310.7	0.6609	mg/L	0.00437	1.322	mg/L	0.0087	0.66%
Pb 220.353†	25609.5	3.006	mg/L	0.0087	6.012	mg/L	0.0174	0.29%
Sb 206.836†	22.3	0.02232	mg/L	0.002014	0.04463	mg/L	0.004028	9.02%
Se 196.026†	2366.6	1.832	mg/L	0.0079	3.664	mg/L	0.0157	0.43%
Si 288.158†	3526.6	2.433	mg/L	0.0071	4.866	mg/L	0.0141	0.29%
Sn 189.927†	-23.7	0.00000	mg/L	0.001325	0.00001	mg/L	0.002650	>999.9%
Sr 421.552†	727669.0	1.004	mg/L	0.0028	2.009	mg/L	0.0057	0.28%
Ti 334.903†	250060.4	9.490	mg/L	0.0268	18.98	mg/L	0.054	0.28%
Tl 190.801†	1943.4	1.798	mg/L	0.0046	3.596	mg/L	0.0091	0.25%
V 292.402†	279582.4	1.049	mg/L	0.0011	2.098	mg/L	0.0021	0.10%
Zn 206.200†	2587.6	2.565	mg/L	0.0279	5.129	mg/L	0.0558	1.09%

161%

Sequence No.: 44 SPK
Sample ID: JQ52R ~~ADUP~~ SWC
Analyst: BLW
Initial Sample Wt: 8.8
Dilution: 2X

Autosampler Location: 73
Date Collected: 8/7/2006 6:55:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R ADUP SWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DEL

Mean Data: JQ52R ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1581164.5	97.60	%	0.528				0.54%
ScR 361.383	204891.5	100.9	%	0.55				0.55%
Ag 328.068†	136913.3	0.4762	mg/L	0.00035	0.9525	mg/L	0.00069	0.07%
Al 308.215†	269434.6	195.8	mg/L	0.44	391.6	mg/L	0.89	0.23%
As 188.979†	1778.3	1.900	mg/L	0.0152	3.800	mg/L	0.0303	0.80%
B 249.677†	52.3	0.01548	mg/L	0.000769	0.03096	mg/L	0.001538	4.97%
Ba 233.527†	9219.1	2.744	mg/L	0.0198	5.488	mg/L	0.0396	0.72%
Be 313.042†	300205.0	0.4720	mg/L	0.00131	0.9441	mg/L	0.00262	0.28%
Ca 317.933†	1035611.4	48.27	mg/L	0.131	96.55	mg/L	0.263	0.27%
Cd 228.802†	15344.8	0.4868	mg/L	0.00319	0.9736	mg/L	0.00637	0.65%
Co 228.616†	19152.2	0.5290	mg/L	0.00397	1.058	mg/L	0.0079	0.75%
Cr 267.716†	5608.5	0.6864	mg/L	0.00448	1.373	mg/L	0.0090	0.65%
Cu 324.752†	258121.2	1.005	mg/L	0.0010	2.011	mg/L	0.0020	0.10%
Fe 273.955†	226472.7	226.7	mg/L	0.65	453.3	mg/L	1.29	0.29%
K 766.490†	22511.5	16.12	mg/L	0.058	32.24	mg/L	0.117	0.36%
Mg 279.077†	68230.6	45.81	mg/L	0.194	91.61	mg/L	0.387	0.42%
Mn 257.610†	115009.7	4.016	mg/L	0.0082	8.032	mg/L	0.0164	0.20%
Mo 202.031†	47.8	0.00805	mg/L	0.000164	0.01609	mg/L	0.000328	2.04%
Na 589.592†	99193.7	15.32	mg/L	0.026	30.65	mg/L	0.051	0.17%
Na 330.237†	429.8	15.11	mg/L	0.210	30.21	mg/L	0.420	1.39%
Ni 231.604†	1284.4	0.6477	mg/L	0.00373	1.295	mg/L	0.0075	0.58%
Pb 220.353†	48230.1	5.622	mg/L	0.0146	11.24	mg/L	0.029	0.26%
Sb 206.836†	26.4	0.02587	mg/L	0.002353	0.05174	mg/L	0.004706	9.10%
Se 196.026†	2306.8	1.785	mg/L	0.0069	3.570	mg/L	0.0138	0.39%
Si 288.158†	3254.2	2.245	mg/L	0.0274	4.491	mg/L	0.0547	1.22%
Sn 189.927†	-13.0	0.00278	mg/L	0.001456	0.00556	mg/L	0.002913	52.40%
Sr 421.552†	699965.6	0.9661	mg/L	0.00203	1.932	mg/L	0.0041	0.21%
Ti 334.903†	245622.7	9.322	mg/L	0.0190	18.64	mg/L	0.038	0.20%
Tl 190.801†	1894.9	1.753	mg/L	0.0184	3.506	mg/L	0.0367	1.05%
V 292.402†	278345.7	1.044	mg/L	0.0006	2.089	mg/L	0.0013	0.06%
Zn 206.200†	4427.3	4.393	mg/L	0.0350	8.785	mg/L	0.0700	0.80%

43%

Sequence No.: 45
Sample ID: JQ52R A SWC
Analyst: BLW
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 74
Date Collected: 8/7/2006 7:02:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R A SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

DCL

Mean Data: JQ52R A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1587035.6	97.96	%	0.567				0.58%
ScR 361.383	206366.3	101.6	%	0.66				0.65%
Ag 328.068†	-849.5	0.00661	mg/L	0.000128	0.01323	mg/L	0.000256	1.93%
Al 308.215†	280423.4	203.8	mg/L	5.31	407.6	mg/L	10.62	2.61%
As 188.979†	137.8	0.1037	mg/L	0.00685	0.2075	mg/L	0.01370	6.60%
B 249.677†	61.9	0.01762	mg/L	0.004218	0.03524	mg/L	0.008435	23.93%
Ba 233.527†	3139.9	0.9227	mg/L	0.00914	1.845	mg/L	0.0183	0.99%
Be 313.042†	2543.7	0.00301	mg/L	0.000076	0.00602	mg/L	0.000152	2.52%
Ca 317.933†	874028.9	40.74	mg/L	1.036	81.49	mg/L	2.072	2.54%
Cd 228.802†	700.8	0.01982	mg/L	0.000267	0.03963	mg/L	0.000533	1.35%
Co 228.616†	4051.1	0.09631	mg/L	0.000294	0.1926	mg/L	0.00059	0.31%
Cr 267.716†	1985.7	0.2510	mg/L	0.00339	0.5019	mg/L	0.00678	1.35%
Cu 324.752†	141885.9	0.5623	mg/L	0.00137	1.125	mg/L	0.0027	0.24%
Fe 273.955†	239330.8	239.5	mg/L	5.58	479.1	mg/L	11.16	2.33%
K 766.490†	9574.8	6.856	mg/L	0.1443	13.71	mg/L	0.289	2.11%
Mg 279.077†	57576.7	38.62	mg/L	1.153	77.24	mg/L	2.306	2.99%
Mn 257.610†	113380.2	3.959	mg/L	0.0967	7.918	mg/L	0.1934	2.44%
Mo 202.031†	44.6	0.00808	mg/L	0.000147	0.01615	mg/L	0.000294	1.82%
Na 589.592†	37416.2	5.780	mg/L	0.1643	11.56	mg/L	0.329	2.84%
Na 330.237†	137.7	5.662	mg/L	0.2137	11.32	mg/L	0.427	3.77%
Ni 231.604†	415.0	0.2093	mg/L	0.00537	0.4186	mg/L	0.01074	2.57%
Pb 220.353†	34167.4	3.995	mg/L	0.0104	7.990	mg/L	0.0207	0.26%
Sb 206.836†	19.5	0.02547	mg/L	0.002634	0.05094	mg/L	0.005268	10.34%
Se 196.026†	-85.8	-0.07103	mg/L	0.009311	-0.1421	mg/L	0.01862	13.11%
Si 288.158†	3392.9	2.340	mg/L	0.0099	4.680	mg/L	0.0198	0.42%
Sn 189.927†	7.2	0.00616	mg/L	0.002045	0.01231	mg/L	0.004090	33.22%
Sr 421.552†	364140.4	0.5026	mg/L	0.01229	1.005	mg/L	0.0246	2.44%
Ti 334.903†	262049.7	9.945	mg/L	0.2612	19.89	mg/L	0.522	2.63%
Tl 190.801†	-10.4	-0.02033	mg/L	0.004206	-0.04066	mg/L	0.008412	20.69%
V 292.402†	170824.1	0.6379	mg/L	0.00100	1.276	mg/L	0.0020	0.16%
Zn 206.200†	4198.0	4.165	mg/L	0.0382	8.329	mg/L	0.0765	0.92%

~~437~~

BW 3.6

Sequence No.: 46 DUP
Sample ID: JQ52R ~~ASPK~~ SWC
Analyst: BLW
Initial Sample Wt: 5.8
Dilution: 2X

Autosampler Location: 75
Date Collected: 8/7/2006 7:08:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52R ASPK SWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JQ52R ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1586673.2	97.94	%	0.239				0.24%
ScR 361.383	206750.9	101.8	%	0.79				0.77%
Ag 328.068†	-885.0	0.00607	mg/L	0.000196	0.01214	mg/L	0.000392	3.23%
Al 308.215†	268967.9	195.5	mg/L	0.26	390.9	mg/L	0.52	0.13%
As 188.979†	116.8	0.08248	mg/L	0.004965	0.1650	mg/L	0.00993	6.02%
B 249.677†	60.3	0.01717	mg/L	0.002495	0.03434	mg/L	0.004990	14.53%
Ba 233.527†	3104.3	0.9128	mg/L	0.00528	1.826	mg/L	0.0106	0.58%
Be 313.042†	2368.7	0.00281	mg/L	0.000036	0.00563	mg/L	0.000071	1.27%
Ca 317.933†	853587.1	39.79	mg/L	0.039	79.58	mg/L	0.078	0.10%
Cd 228.802†	614.7	0.01719	mg/L	0.000128	0.03439	mg/L	0.000256	0.75%
Co 228.616†	3756.1	0.08851	mg/L	0.000531	0.1770	mg/L	0.00106	0.60%
Cr 267.716†	1877.3	0.2374	mg/L	0.00227	0.4747	mg/L	0.00455	0.96%
Cu 324.752†	117170.2	0.4669	mg/L	0.00052	0.9338	mg/L	0.00104	0.11%
Fe 273.955†	228551.6	228.8	mg/L	0.45	457.5	mg/L	0.90	0.20%
K 766.490†	9007.1	6.450	mg/L	0.0499	12.90	mg/L	0.100	0.77%
Mg 279.077†	55383.4	37.15	mg/L	0.025	74.30	mg/L	0.051	0.07%
Mn 257.610†	105898.5	3.698	mg/L	0.0049	7.395	mg/L	0.0097	0.13%
Mo 202.031†	37.7	0.00723	mg/L	0.000051	0.01446	mg/L	0.000103	0.71%
Na 589.592†	35022.1	5.410	mg/L	0.0131	10.82	mg/L	0.026	0.24%
Na 330.237†	131.0	5.435	mg/L	0.0749	10.87	mg/L	0.150	1.38%
Ni 231.604†	386.9	0.1951	mg/L	0.00298	0.3903	mg/L	0.00597	1.53%
Pb 220.353†	31801.1	3.720	mg/L	0.0160	7.439	mg/L	0.0321	0.43%
Sb 206.836†	23.8	0.02932	mg/L	0.002997	0.05863	mg/L	0.005994	10.22%
Se 196.026†	-75.6	-0.06286	mg/L	0.002998	-0.1257	mg/L	0.00600	4.77%
Si 288.158†	3640.3	2.511	mg/L	0.0215	5.021	mg/L	0.0430	0.86%
Sn 189.927†	0.2	0.00443	mg/L	0.000867	0.00885	mg/L	0.001733	19.58%
Sr 421.552†	359566.7	0.4963	mg/L	0.00065	0.9926	mg/L	0.00131	0.13%
Ti 334.903†	254054.3	9.642	mg/L	0.0098	19.28	mg/L	0.020	0.10%
Tl 190.801†	-9.2	-0.01883	mg/L	0.002826	-0.03765	mg/L	0.005652	15.01%
V 292.402†	157328.8	0.5873	mg/L	0.00136	1.175	mg/L	0.0027	0.23%
Zn 206.200†	3941.3	3.910	mg/L	0.0284	7.820	mg/L	0.0568	0.73%

Sequence No.: 47
Sample ID: CV 1
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 7:14:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1514623.9	93.49	%	0.477				0.51%
ScR 361.383	196270.2	96.66	%	0.868				0.90%
Ag 328.068†	301833.8	1.030	mg/L	0.0033	1.030	mg/L	0.0033	0.32%
Al 308.215†	2926.1	2.088	mg/L	0.0205	2.088	mg/L	0.0205	0.98%
As 188.979†	1893.6	2.067	mg/L	0.0210	2.067	mg/L	0.0210	1.02%
B 249.677†	3180.2	1.056	mg/L	0.0097	1.056	mg/L	0.0097	0.91%
Ba 233.527†	3532.4	1.057	mg/L	0.0118	1.057	mg/L	0.0118	1.12%
Be 313.042†	647057.7	1.019	mg/L	0.0016	1.019	mg/L	0.0016	0.16%
Ca 317.933†	45159.5	2.105	mg/L	0.0060	2.105	mg/L	0.0060	0.28%
Cd 228.802†	32863.1	1.051	mg/L	0.0009	1.051	mg/L	0.0009	0.09%
Co 228.616†	35476.4	1.013	mg/L	0.0020	1.013	mg/L	0.0020	0.20%
Cr 267.716†	8405.5	1.014	mg/L	0.0118	1.014	mg/L	0.0118	1.16%
Cu 324.752†	281327.1	1.074	mg/L	0.0027	1.074	mg/L	0.0027	0.25%
Fe 273.955†	2138.9	2.138	mg/L	0.0260	2.138	mg/L	0.0260	1.22%
K 766.490†	30139.1	21.58	mg/L	0.130	21.58	mg/L	0.130	0.60%
Mg 279.077†	3180.1	2.147	mg/L	0.0191	2.147	mg/L	0.0191	0.89%
Mn 257.610†	29041.4	1.015	mg/L	0.0111	1.015	mg/L	0.0111	1.10%
Mo 202.031†	10152.2	1.019	mg/L	0.0086	1.019	mg/L	0.0086	0.84%
Na 589.592†	340694.8	52.63	mg/L	0.200	52.63	mg/L	0.200	0.38%
Na 330.237†	1585.8	52.76	mg/L	0.439	52.76	mg/L	0.439	0.83%
Ni 231.604†	2144.6	1.083	mg/L	0.0155	1.083	mg/L	0.0155	1.44%
Pb 220.353†	17448.4	2.022	mg/L	0.0172	2.022	mg/L	0.0172	0.85%
Sb 206.836†	2292.2	2.174	mg/L	0.0174	2.174	mg/L	0.0174	0.80%
Se 196.026†	2669.6	2.070	mg/L	0.0131	2.070	mg/L	0.0131	0.63%
Si 288.158†	3110.2	2.147	mg/L	0.0296	2.147	mg/L	0.0296	1.38%
Sn 189.927†	4170.2	0.9823	mg/L	0.00785	0.9823	mg/L	0.00785	0.80%
Sr 421.552†	740844.8	1.023	mg/L	0.0034	1.023	mg/L	0.0034	0.33%
Ti 334.903†	27538.8	1.044	mg/L	0.0022	1.044	mg/L	0.0022	0.21%
Tl 190.801†	2194.2	2.041	mg/L	0.0100	2.041	mg/L	0.0100	0.49%
V 292.402†	274989.7	1.038	mg/L	0.0023	1.038	mg/L	0.0023	0.22%
Zn 206.200†	1122.5	1.114	mg/L	0.0179	1.114	mg/L	0.0179	1.61%

Sequence No.: 48
Sample ID: CB 7
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 7:20:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1561497.3	96.39	%	0.566				0.59%
ScR 361.383	197245.3	97.14	%	0.157				0.16%
Ag 328.068†	-27.4	-0.00009	mg/L	0.000121	-0.00009	mg/L	0.000121	129.39%
Al 308.215†	-6.5	-0.00474	mg/L	0.015270	-0.00474	mg/L	0.015270	322.42%
As 188.979†	8.3	0.00913	mg/L	0.002245	0.00913	mg/L	0.002245	24.58%
B 249.677†	21.3	0.00705	mg/L	0.001782	0.00705	mg/L	0.001782	25.29%
Ba 233.527†	-2.1	-0.00063	mg/L	0.000181	-0.00063	mg/L	0.000181	28.48%
Be 313.042†	12.5	0.00002	mg/L	0.000016	0.00002	mg/L	0.000016	84.48%
Ca 317.933†	33.6	0.00157	mg/L	0.000898	0.00157	mg/L	0.000898	57.37%
Cd 228.802†	5.2	0.00015	mg/L	0.000036	0.00015	mg/L	0.000036	23.62%
Co 228.616†	2.9	0.00008	mg/L	0.000244	0.00008	mg/L	0.000244	302.75%
Cr 267.716†	11.0	0.00133	mg/L	0.000656	0.00133	mg/L	0.000656	49.27%
Cu 324.752†	122.1	0.00047	mg/L	0.000326	0.00047	mg/L	0.000326	70.00%
Fe 273.955†	2.4	0.00240	mg/L	0.004204	0.00240	mg/L	0.004204	175.48%
K 766.490†	195.9	0.1403	mg/L	0.01358	0.1403	mg/L	0.01358	9.68%
Mg 279.077†	-4.7	-0.00314	mg/L	0.013336	-0.00314	mg/L	0.013336	425.22%
Mn 257.610†	18.1	0.00063	mg/L	0.000162	0.00063	mg/L	0.000162	25.51%
Mo 202.031†	9.3	0.00093	mg/L	0.000108	0.00093	mg/L	0.000108	11.58%
Na 589.592†	668.9	0.1033	mg/L	0.00438	0.1033	mg/L	0.00438	4.24%
Na 330.237†	-2.4	-0.08192	mg/L	0.304167	-0.08192	mg/L	0.304167	371.31%
Ni 231.604†	-0.8	-0.00041	mg/L	0.000735	-0.00041	mg/L	0.000735	181.33%
Pb 220.353†	40.8	0.00472	mg/L	0.000235	0.00472	mg/L	0.000235	4.98%
Sb 206.836†	0.7	0.00066	mg/L	0.000130	0.00066	mg/L	0.000130	19.62%
Se 196.026†	5.2	0.00401	mg/L	0.004600	0.00401	mg/L	0.004600	114.82%
Si 288.158†	6.5	0.00450	mg/L	0.000397	0.00450	mg/L	0.000397	8.82%
Sn 189.927†	7.5	0.00176	mg/L	0.000718	0.00176	mg/L	0.000718	40.91%
Sr 421.552†	48.9	0.00007	mg/L	0.000067	0.00007	mg/L	0.000067	99.91%
Ti 334.903†	34.2	0.00130	mg/L	0.000463	0.00130	mg/L	0.000463	35.75%
Tl 190.801†	7.9	0.00735	mg/L	0.002205	0.00735	mg/L	0.002205	29.98%
V 292.402†	59.3	0.00023	mg/L	0.000040	0.00023	mg/L	0.000040	17.31%
Zn 206.200†	4.7	0.00471	mg/L	0.000769	0.00471	mg/L	0.000769	16.34%

Sequence No.: 49
Sample ID: JR24 MB1 TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 76
Date Collected: 8/7/2006 7:27:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 MB1 TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DL

Mean Data: JR24 MB1 TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1568110.1	96.80	%	0.670				0.69%
ScR 361.383	196175.8	96.61	%	0.315				0.33%
Ag 328.068†	-53.1	-0.00018	mg/L	0.000132	-0.00018	mg/L	0.000132	73.11%
Al 308.215†	48.9	0.03549	mg/L	0.037883	0.03549	mg/L	0.037883	106.73%
As 188.979†	8.4	0.00919	mg/L	0.001286	0.00919	mg/L	0.001286	13.99%
B 249.677†	272.7	0.09028	mg/L	0.002336	0.09028	mg/L	0.002336	2.59%
Ba 233.527†	1.5	0.00046	mg/L	0.001244	0.00046	mg/L	0.001244	273.27%
Be 313.042†	17.9	0.00003	mg/L	0.000016	0.00003	mg/L	0.000016	56.77%
Ca 317.933†	426.1	0.01986	mg/L	0.016392	0.01986	mg/L	0.016392	82.52%
Cd 228.802†	2.8	0.00008	mg/L	0.000086	0.00008	mg/L	0.000086	114.71%
Co 228.616†	3.8	0.00011	mg/L	0.000037	0.00011	mg/L	0.000037	35.04%
Cr 267.716†	17.7	0.00214	mg/L	0.000594	0.00214	mg/L	0.000594	27.78%
Cu 324.752†	93.3	0.00036	mg/L	0.000123	0.00036	mg/L	0.000123	34.38%
Fe 273.955†	26.5	0.02657	mg/L	0.014948	0.02657	mg/L	0.014948	56.27%
K 766.490†	363.8	0.2605	mg/L	0.07492	0.2605	mg/L	0.07492	28.76%
Mg 279.077†	16.9	0.01138	mg/L	0.013919	0.01138	mg/L	0.013919	122.28%
Mn 257.610†	20.2	0.00071	mg/L	0.000267	0.00071	mg/L	0.000267	37.83%
Mo 202.031†	5.2	0.00053	mg/L	0.000271	0.00053	mg/L	0.000271	51.44%
Na 589.592†	1411.9	0.2181	mg/L	0.07165	0.2181	mg/L	0.07165	32.85%
Na 330.237†	4.6	0.1502	mg/L	0.41994	0.1502	mg/L	0.41994	279.51%
Ni 231.604†	-4.1	-0.00205	mg/L	0.001622	-0.00205	mg/L	0.001622	79.19%
Pb 220.353†	24.3	0.00282	mg/L	0.000147	0.00282	mg/L	0.000147	5.20%
Sb 206.836†	0.2	0.00015	mg/L	0.000907	0.00015	mg/L	0.000907	611.60%
Se 196.026†	10.0	0.00774	mg/L	0.001443	0.00774	mg/L	0.001443	18.63%
Si 288.158†	23.9	0.01647	mg/L	0.003490	0.01647	mg/L	0.003490	21.18%
Sn 189.927†	3.8	0.00090	mg/L	0.001124	0.00090	mg/L	0.001124	125.10%
Sr 421.552†	112.3	0.00015	mg/L	0.000071	0.00015	mg/L	0.000071	45.60%
Ti 334.903†	54.6	0.00207	mg/L	0.001114	0.00207	mg/L	0.001114	53.81%
Tl 190.801†	1.7	0.00161	mg/L	0.001561	0.00161	mg/L	0.001561	97.20%
V 292.402†	79.3	0.00031	mg/L	0.000043	0.00031	mg/L	0.000043	13.76%
Zn 206.200†	8.2	0.00815	mg/L	0.003215	0.00815	mg/L	0.003215	39.44%

Sequence No.: 50
Sample ID: ~~JR24 A-L TWC~~ 222222
Analyst: BLW
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 77
Date Collected: 8/7/2006 7:33:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

8.8

Nebulizer Parameters: JR24 A-L TWC

Analyte	Back Pressure	Flow
All	160.0 kPa	0.50 L/min

Mean Data: JR24 A-L TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1568258.3	96.80	%	0.289				0.30%
ScR 361.383	200665.8	98.82	%	1.039				1.05%
Ag 328.068†	-39.6	-0.00008	mg/L	0.000144	-0.00038	mg/L	0.000720	188.91%
Al 308.215†	6.8	0.00484	mg/L	0.006494	0.02418	mg/L	0.032471	134.31%
As 188.979†	6.2	0.00654	mg/L	0.001087	0.03270	mg/L	0.005433	16.61%
B 249.677†	200.0	0.06622	mg/L	0.002283	0.3311	mg/L	0.01142	3.45%
Ba 233.527†	11.8	0.00339	mg/L	0.000583	0.01695	mg/L	0.002915	17.19%
Be 313.042†	-32.8	-0.00005	mg/L	0.000018	-0.00027	mg/L	0.000090	33.01%
Ca 317.933†	88931.9	4.146	mg/L	0.0056	20.73	mg/L	0.028	0.13%
Cd 228.802†	1.3	0.00001	mg/L	0.000061	0.00006	mg/L	0.000305	476.12%
Co 228.616†	3.7	0.00006	mg/L	0.000030	0.00030	mg/L	0.000149	50.55%
Cr 267.716†	24.1	0.00218	mg/L	0.000495	0.01089	mg/L	0.002474	22.72%
Cu 324.752†	136.1	0.00065	mg/L	0.000123	0.00324	mg/L	0.000613	18.95%
Fe 273.955†	1846.6	1.848	mg/L	0.0092	9.241	mg/L	0.0461	0.50%
K 766.490†	6232.0	4.462	mg/L	0.0645	22.31	mg/L	0.323	1.45%
Mg 279.077†	8006.1	5.393	mg/L	0.0184	26.97	mg/L	0.092	0.34%
Mn 257.610†	3200.7	0.1117	mg/L	0.00074	0.5584	mg/L	0.00368	0.66%
Mo 202.031†	22.4	0.00213	mg/L	0.000580	0.01063	mg/L	0.002900	27.29%
Na 589.592†	55149.8	8.519	mg/L	0.0174	42.60	mg/L	0.087	0.20%
Na 330.237†	276.5	9.167	mg/L	0.4921	45.84	mg/L	2.460	5.37%
Ni 231.604†	-2.1	-0.00108	mg/L	0.002732	-0.00540	mg/L	0.013660	253.14%
Pb 220.353†	24.9	0.00288	mg/L	0.000768	0.01442	mg/L	0.003839	26.61%
Sb 206.836†	2.7	0.00253	mg/L	0.001462	0.01264	mg/L	0.007312	57.86%
Se 196.026†	1.0	0.00067	mg/L	0.001998	0.00336	mg/L	0.009991	297.53%
Si 288.158†	6106.0	4.211	mg/L	0.0069	21.05	mg/L	0.035	0.16%
Sn 189.927†	-2.3	0.00006	mg/L	0.001451	0.00031	mg/L	0.007254	>999.9%
Sr 421.552†	20076.3	0.02771	mg/L	0.000011	0.1385	mg/L	0.00006	0.04%
Ti 334.903†	42.3	0.00160	mg/L	0.000274	0.00801	mg/L	0.001368	17.07%
Tl 190.801†	2.0	0.00182	mg/L	0.001784	0.00912	mg/L	0.008920	97.84%
V 292.402†	451.4	0.00173	mg/L	0.000229	0.00865	mg/L	0.001147	13.26%
Zn 206.200†	5.1	0.00505	mg/L	0.001103	0.02527	mg/L	0.005516	21.83%

Sequence No.: 51
Sample ID: JR24 A TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 78
Date Collected: 8/7/2006 7:40:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 A TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DCL

Mean Data: JR24 A TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1543942.7	95.30	%	0.421				0.44%
ScR 361.383	198879.7	97.94	%	0.469				0.48%
Ag 328.068†	-157.4	-0.00025	mg/L	0.000098	-0.00025	mg/L	0.000098	38.69%
Al 308.215†	24.3	0.01738	mg/L	0.001886	0.01738	mg/L	0.001886	10.85%
As 188.979†	8.4	0.00802	mg/L	0.003083	0.00802	mg/L	0.003083	38.46%
B 249.677†	962.4	0.3187	mg/L	0.00514	0.3187	mg/L	0.00514	1.61%
Ba 233.527†	57.1	0.01645	mg/L	0.001298	0.01645	mg/L	0.001298	7.89%
Be 313.042†	-17.9	-0.00004	mg/L	0.000033	-0.00004	mg/L	0.000033	83.87%
Ca 317.933†	439052.9	20.47	mg/L	0.030	20.47	mg/L	0.030	0.15%
Cd 228.802†	-2.1	-0.00017	mg/L	0.000064	-0.00017	mg/L	0.000064	37.88%
Co 228.616†	8.3	0.00002	mg/L	0.000218	0.00002	mg/L	0.000218	>999.9%
Cr 267.716†	50.3	0.00262	mg/L	0.000184	0.00262	mg/L	0.000184	7.02%
Cu 324.752†	520.4	0.00260	mg/L	0.000124	0.00260	mg/L	0.000124	4.75%
Fe 273.955†	8859.0	8.867	mg/L	0.0909	8.867	mg/L	0.0909	1.03%
K 766.490†	30148.5	21.59	mg/L	0.174	21.59	mg/L	0.174	0.81%
Mg 279.077†	38167.9	25.71	mg/L	0.176	25.71	mg/L	0.176	0.68%
Mn 257.610†	15208.3	0.5307	mg/L	0.00400	0.5307	mg/L	0.00400	0.75%
Mo 202.031†	62.7	0.00568	mg/L	0.000228	0.00568	mg/L	0.000228	4.01%
Na 589.592†	266655.3	41.19	mg/L	0.117	41.19	mg/L	0.117	0.28%
Na 330.237†	1248.0	41.36	mg/L	0.730	41.36	mg/L	0.730	1.76%
Ni 231.604†	2.6	0.00131	mg/L	0.000570	0.00131	mg/L	0.000570	43.62%
Pb 220.353†	23.7	0.00276	mg/L	0.000333	0.00276	mg/L	0.000333	12.03%
Sb 206.836†	2.0	0.00172	mg/L	0.002149	0.00172	mg/L	0.002149	124.64%
Se 196.026†	-12.3	-0.01017	mg/L	0.005255	-0.01017	mg/L	0.005255	51.70%
Si 288.158†	29992.9	20.68	mg/L	0.174	20.68	mg/L	0.174	0.84%
Sn 189.927†	-25.6	-0.00307	mg/L	0.001934	-0.00307	mg/L	0.001934	63.05%
Sr 421.552†	99532.7	0.1374	mg/L	0.00053	0.1374	mg/L	0.00053	0.39%
Ti 334.903†	135.9	0.00515	mg/L	0.000742	0.00515	mg/L	0.000742	14.40%
Tl 190.801†	-2.3	-0.00216	mg/L	0.003749	-0.00216	mg/L	0.003749	173.43%
V 292.402†	1912.2	0.00729	mg/L	0.000240	0.00729	mg/L	0.000240	3.30%
Zn 206.200†	15.9	0.01582	mg/L	0.002279	0.01582	mg/L	0.002279	14.40%

Sequence No.: 52
Sample ID: JR24 ADUP TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 79
Date Collected: 8/7/2006 7:46:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 ADUP TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DLL

Mean Data: JR24 ADUP TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1556879.7	96.10	%	0.382				0.40%
ScR 361.383	203466.1	100.2	%	0.50				0.50%
Ag 328.068†	-135.1	-0.00018	mg/L	0.000331	-0.00018	mg/L	0.000331	182.59%
Al 308.215†	38.5	0.02773	mg/L	0.003518	0.02773	mg/L	0.003518	12.69%
As 188.979†	13.2	0.01332	mg/L	0.002212	0.01332	mg/L	0.002212	16.61%
B 249.677†	774.7	0.2565	mg/L	0.00465	0.2565	mg/L	0.00465	1.81%
Ba 233.527†	59.6	0.01722	mg/L	0.000592	0.01722	mg/L	0.000592	3.44%
Be 313.042†	-12.7	-0.00003	mg/L	0.000052	-0.00003	mg/L	0.000052	165.26%
Ca 317.933†	430978.3	20.09	mg/L	0.052	20.09	mg/L	0.052	0.26%
Cd 228.802†	1.2	-0.00007	mg/L	0.000060	-0.00007	mg/L	0.000060	85.65%
Co 228.616†	17.4	0.00028	mg/L	0.000169	0.00028	mg/L	0.000169	59.96%
Cr 267.716†	57.3	0.00350	mg/L	0.000681	0.00350	mg/L	0.000681	19.46%
Cu 324.752†	468.6	0.00239	mg/L	0.000286	0.00239	mg/L	0.000286	11.96%
Fe 273.955†	8730.4	8.738	mg/L	0.0211	8.738	mg/L	0.0211	0.24%
K 766.490†	29136.9	20.86	mg/L	0.067	20.86	mg/L	0.067	0.32%
Mg 279.077†	37721.3	25.41	mg/L	0.164	25.41	mg/L	0.164	0.64%
Mn 257.610†	15023.2	0.5242	mg/L	0.00181	0.5242	mg/L	0.00181	0.34%
Mo 202.031†	65.2	0.00595	mg/L	0.000337	0.00595	mg/L	0.000337	5.66%
Na 589.592†	258478.0	39.93	mg/L	0.049	39.93	mg/L	0.049	0.12%
Na 330.237†	1231.0	40.80	mg/L	0.185	40.80	mg/L	0.185	0.45%
Ni 231.604†	-0.3	-0.00015	mg/L	0.003069	-0.00015	mg/L	0.003069	>999.9%
Pb 220.353†	19.9	0.00232	mg/L	0.000584	0.00232	mg/L	0.000584	25.14%
Sb 206.836†	2.6	0.00232	mg/L	0.000979	0.00232	mg/L	0.000979	42.15%
Se 196.026†	-6.8	-0.00586	mg/L	0.004019	-0.00586	mg/L	0.004019	68.64%
Si 288.158†	25854.9	17.83	mg/L	0.030	17.83	mg/L	0.030	0.17%
Sn 189.927†	-26.8	-0.00341	mg/L	0.000320	-0.00341	mg/L	0.000320	9.40%
Sr 421.552†	96911.8	0.1338	mg/L	0.00029	0.1338	mg/L	0.00029	0.22%
Ti 334.903†	150.6	0.00571	mg/L	0.000451	0.00571	mg/L	0.000451	7.90%
Tl 190.801†	-4.7	-0.00435	mg/L	0.002130	-0.00435	mg/L	0.002130	49.00%
V 292.402†	1913.5	0.00730	mg/L	0.000090	0.00730	mg/L	0.000090	1.23%
Zn 206.200†	14.7	0.01467	mg/L	0.000651	0.01467	mg/L	0.000651	4.44%

Sequence No.: 53
Sample ID: JR24 ASPK TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 80
Date Collected: 8/7/2006 7:53:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 ASPK TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DL

Mean Data: JR24 ASPK TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1570069.7	96.92	%	0.307				0.32%
ScR 361.383	206276.9	101.6	%	0.33				0.33%
Ag 328.068†	142231.3	0.4857	mg/L	0.00435	0.4857	mg/L	0.00435	0.90%
Al 308.215†	2834.1	2.051	mg/L	0.0099	2.051	mg/L	0.0099	0.49%
As 188.979†	1890.8	2.066	mg/L	0.0250	2.066	mg/L	0.0250	1.21%
B 249.677†	706.2	0.2348	mg/L	0.00039	0.2348	mg/L	0.00039	0.17%
Ba 233.527†	6869.5	2.056	mg/L	0.0071	2.056	mg/L	0.0071	0.35%
Be 313.042†	327655.4	0.5162	mg/L	0.00073	0.5162	mg/L	0.00073	0.14%
Ca 317.933†	628056.6	29.28	mg/L	0.023	29.28	mg/L	0.023	0.08%
Cd 228.802†	15932.2	0.5077	mg/L	0.00573	0.5077	mg/L	0.00573	1.13%
Co 228.616†	17008.3	0.4858	mg/L	0.00484	0.4858	mg/L	0.00484	1.00%
Cr 267.716†	4221.4	0.5049	mg/L	0.00185	0.5049	mg/L	0.00185	0.37%
Cu 324.752†	131002.4	0.5013	mg/L	0.00402	0.5013	mg/L	0.00402	0.80%
Fe 273.955†	10646.4	10.65	mg/L	0.028	10.65	mg/L	0.028	0.26%
K 766.490†	42181.2	30.20	mg/L	0.074	30.20	mg/L	0.074	0.25%
Mg 279.077†	52350.5	35.27	mg/L	0.035	35.27	mg/L	0.035	0.10%
Mn 257.610†	28977.0	1.012	mg/L	0.0010	1.012	mg/L	0.0010	0.09%
Mo 202.031†	74.4	0.00668	mg/L	0.000195	0.00668	mg/L	0.000195	2.92%
Na 589.592†	311680.3	48.15	mg/L	0.056	48.15	mg/L	0.056	0.12%
Na 330.237†	1510.3	49.88	mg/L	0.205	49.88	mg/L	0.205	0.41%
Ni 231.604†	1026.8	0.5178	mg/L	0.00280	0.5178	mg/L	0.00280	0.54%
Pb 220.353†	16996.0	1.969	mg/L	0.0173	1.969	mg/L	0.0173	0.88%
Sb 206.836†	10.7	0.00374	mg/L	0.003821	0.00374	mg/L	0.003821	102.13%
Se 196.026†	2681.8	2.080	mg/L	0.0115	2.080	mg/L	0.0115	0.55%
Si 288.158†	5116.7	3.529	mg/L	0.0039	3.529	mg/L	0.0039	0.11%
Sn 189.927†	-38.3	-0.00462	mg/L	0.000303	-0.00462	mg/L	0.000303	6.55%
Sr 421.552†	454554.7	0.6274	mg/L	0.00023	0.6274	mg/L	0.00023	0.04%
Ti 334.903†	157.4	0.00586	mg/L	0.000418	0.00586	mg/L	0.000418	7.14%
Tl 190.801†	2096.2	1.950	mg/L	0.0129	1.950	mg/L	0.0129	0.66%
V 292.402†	139502.5	0.5266	mg/L	0.00493	0.5266	mg/L	0.00493	0.94%
Zn 206.200†	549.0	0.5453	mg/L	0.00593	0.5453	mg/L	0.00593	1.09%

Sequence No.: 54
Sample ID: JR24 F TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 81
Date Collected: 8/7/2006 7:59:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 F TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DL

Mean Data: JR24 F TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1583580.6	97.75	%	0.574				0.59%
ScR 361.383	208521.7	102.7	%	0.28				0.27%
Ag 328.068†	-146.7	-0.00032	mg/L	0.000275	-0.00032	mg/L	0.000275	84.66%
Al 308.215†	21.5	0.01544	mg/L	0.004315	0.01544	mg/L	0.004315	27.95%
As 188.979†	11.4	0.01143	mg/L	0.000890	0.01143	mg/L	0.000890	7.79%
B 249.677†	700.8	0.2321	mg/L	0.00128	0.2321	mg/L	0.00128	0.55%
Ba 233.527†	30.8	0.00879	mg/L	0.000309	0.00879	mg/L	0.000309	3.52%
Be 313.042†	-43.7	-0.00008	mg/L	0.000017	-0.00008	mg/L	0.000017	21.77%
Ca 317.933†	399686.3	18.63	mg/L	0.051	18.63	mg/L	0.051	0.28%
Cd 228.802†	-2.1	-0.00015	mg/L	0.000200	-0.00015	mg/L	0.000200	137.58%
Co 228.616†	8.4	0.00009	mg/L	0.000140	0.00009	mg/L	0.000140	151.77%
Cr 267.716†	46.8	0.00221	mg/L	0.000302	0.00221	mg/L	0.000302	13.65%
Cu 324.752†	62.0	0.00059	mg/L	0.000105	0.00059	mg/L	0.000105	17.82%
Fe 273.955†	5970.0	5.975	mg/L	0.0406	5.975	mg/L	0.0406	0.68%
K 766.490†	27397.8	19.62	mg/L	0.173	19.62	mg/L	0.173	0.88%
Mg 279.077†	35996.3	24.25	mg/L	0.251	24.25	mg/L	0.251	1.04%
Mn 257.610†	12910.0	0.4504	mg/L	0.00381	0.4504	mg/L	0.00381	0.85%
Mo 202.031†	63.8	0.00583	mg/L	0.000507	0.00583	mg/L	0.000507	8.69%
Na 589.592†	235842.5	36.43	mg/L	0.199	36.43	mg/L	0.199	0.55%
Na 330.237†	1126.1	37.32	mg/L	0.635	37.32	mg/L	0.635	1.70%
Ni 231.604†	1.4	0.00072	mg/L	0.000566	0.00072	mg/L	0.000566	78.46%
Pb 220.353†	23.5	0.00274	mg/L	0.000439	0.00274	mg/L	0.000439	16.01%
Sb 206.836†	-1.0	-0.00112	mg/L	0.001657	-0.00112	mg/L	0.001657	148.60%
Se 196.026†	-2.0	-0.00210	mg/L	0.002674	-0.00210	mg/L	0.002674	127.47%
Si 288.158†	17043.0	11.75	mg/L	0.168	11.75	mg/L	0.168	1.43%
Sn 189.927†	-30.1	-0.00441	mg/L	0.001045	-0.00441	mg/L	0.001045	23.72%
Sr 421.552†	85800.7	0.1184	mg/L	0.00041	0.1184	mg/L	0.00041	0.34%
Ti 334.903†	110.5	0.00419	mg/L	0.000591	0.00419	mg/L	0.000591	14.12%
Tl 190.801†	0.7	0.00064	mg/L	0.000883	0.00064	mg/L	0.000883	138.89%
V 292.402†	1520.4	0.00581	mg/L	0.000058	0.00581	mg/L	0.000058	0.99%
Zn 206.200†	6.7	0.00670	mg/L	0.000826	0.00670	mg/L	0.000826	12.34%

Sequence No.: 55
Sample ID: JR24 G TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 82
Date Collected: 8/7/2006 8:06:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 G TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DL

Mean Data: JR24 G TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1520884.5	93.88	%	0.371				0.39%
ScR 361.383	199026.9	98.01	%	0.871				0.89%
Ag 328.068†	-267.7	-0.00039	mg/L	0.000091	-0.00039	mg/L	0.000091	22.96%
Al 308.215†	57.1	0.04122	mg/L	0.007506	0.04122	mg/L	0.007506	18.21%
As 188.979†	16.3	0.01508	mg/L	0.001809	0.01508	mg/L	0.001809	11.99%
B 249.677†	1204.1	0.3987	mg/L	0.01173	0.3987	mg/L	0.01173	2.94%
Ba 233.527†	131.1	0.03796	mg/L	0.000026	0.03796	mg/L	0.000026	0.07%
Be 313.042†	8.9	0.00000	mg/L	0.000040	0.00000	mg/L	0.000040	>999.9%
Ca 317.933†	1030034.6	48.01	mg/L	0.094	48.01	mg/L	0.094	0.20%
Cd 228.802†	2.3	-0.00013	mg/L	0.000090	-0.00013	mg/L	0.000090	67.81%
Co 228.616†	13.4	-0.00005	mg/L	0.000155	-0.00005	mg/L	0.000155	290.17%
Cr 267.716†	67.1	0.00197	mg/L	0.000511	0.00197	mg/L	0.000511	25.96%
Cu 324.752†	40.3	0.00145	mg/L	0.000219	0.00145	mg/L	0.000219	15.05%
Fe 273.955†	17856.6	17.87	mg/L	0.343	17.87	mg/L	0.343	1.92%
K 766.490†	13771.5	9.861	mg/L	0.1680	9.861	mg/L	0.1680	1.70%
Mg 279.077†	67195.0	45.26	mg/L	0.847	45.26	mg/L	0.847	1.87%
Mn 257.610†	39962.1	1.395	mg/L	0.0245	1.395	mg/L	0.0245	1.75%
Mo 202.031†	60.2	0.00498	mg/L	0.000221	0.00498	mg/L	0.000221	4.44%
Na 589.592†	1249466.0	193.0	mg/L	0.62	193.0	mg/L	0.62	0.32%
Na 330.237†	5868.4	194.9	mg/L	2.78	194.9	mg/L	2.78	1.43%
Ni 231.604†	-1.5	-0.00074	mg/L	0.001445	-0.00074	mg/L	0.001445	195.19%
Pb 220.353†	33.6	0.00391	mg/L	0.000487	0.00391	mg/L	0.000487	12.44%
Sb 206.836†	6.6	0.00605	mg/L	0.000383	0.00605	mg/L	0.000383	6.33%
Se 196.026†	-10.4	-0.00962	mg/L	0.001649	-0.00962	mg/L	0.001649	17.15%
Si 288.158†	4013.4	2.768	mg/L	0.0481	2.768	mg/L	0.0481	1.74%
Sn 189.927†	-50.8	-0.00460	mg/L	0.000743	-0.00460	mg/L	0.000743	16.16%
Sr 421.552†	201164.3	0.2777	mg/L	0.00100	0.2777	mg/L	0.00100	0.36%
Ti 334.903†	158.6	0.00601	mg/L	0.000804	0.00601	mg/L	0.000804	13.37%
Tl 190.801†	-6.0	-0.00559	mg/L	0.001231	-0.00559	mg/L	0.001231	22.04%
V 292.402†	2462.7	0.00950	mg/L	0.000105	0.00950	mg/L	0.000105	1.10%
Zn 206.200†	3.8	0.00390	mg/L	0.001339	0.00390	mg/L	0.001339	34.30%

Sequence No.: 56
Sample ID: JR24 H TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 83
Date Collected: 8/7/2006 8:13:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 H TWC

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

DLL

Mean Data: JR24 H TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1375814.2	84.93	%	0.150				0.18%
ScR 361.383	190576.3	93.85	%	0.342				0.36%
Ag 328.068†	-735.3	-0.00095	mg/L	0.000246	-0.00095	mg/L	0.000246	25.91%
Al 308.215†	15.4	0.01094	mg/L	0.005345	0.01094	mg/L	0.005345	48.86%
As 188.979†	24.2	0.01919	mg/L	0.004381	0.01919	mg/L	0.004381	22.82%
B 249.677†	1787.8	0.5920	mg/L	0.00572	0.5920	mg/L	0.00572	0.97%
Ba 233.527†	242.9	0.06935	mg/L	0.000576	0.06935	mg/L	0.000576	0.83%
Be 313.042†	9.0	0.00001	mg/L	0.000060	0.00001	mg/L	0.000060	685.46%
Ca 317.933†	2798747.8	130.5	mg/L	0.47	130.5	mg/L	0.47	0.36%
Cd 228.802†	5.0	-0.00035	mg/L	0.000177	-0.00035	mg/L	0.000177	50.21%
Co 228.616†	29.5	-0.00028	mg/L	0.000087	-0.00028	mg/L	0.000087	30.69%
Cr 267.716†	140.0	-0.00293	mg/L	0.001103	-0.00293	mg/L	0.001103	37.65%
Cu 324.752†	3300.0	0.01578	mg/L	0.000095	0.01578	mg/L	0.000095	0.60%
Fe 273.955†	46860.4	46.90	mg/L	0.409	46.90	mg/L	0.409	0.87%
K 766.490†	70126.0	50.21	mg/L	0.390	50.21	mg/L	0.390	0.78%
Mg 279.077†	218772.1	147.4	mg/L	0.55	147.4	mg/L	0.55	0.37%
Mn 257.610†	68874.7	2.403	mg/L	0.0176	2.403	mg/L	0.0176	0.73%
Mo 202.031†	95.4	0.00609	mg/L	0.000318	0.00609	mg/L	0.000318	5.22%
Na 589.592†	Saturated2							
Na 330.237†	36790.7	1224	mg/L	7.0	1224	mg/L	7.0	0.57%
Ni 231.604†	-5.6	-0.00281	mg/L	0.001519	-0.00281	mg/L	0.001519	53.97%
Pb 220.353†	61.0	0.00709	mg/L	0.000480	0.00709	mg/L	0.000480	6.76%
Sb 206.836†	10.1	0.00910	mg/L	0.001301	0.00910	mg/L	0.001301	14.29%
Se 196.026†	-28.6	-0.02489	mg/L	0.006210	-0.02489	mg/L	0.006210	24.95%
Si 288.158†	27854.0	19.21	mg/L	0.130	19.21	mg/L	0.130	0.68%
Sn 189.927†	-93.5	-0.00275	mg/L	0.001218	-0.00275	mg/L	0.001218	44.21%
Sr 421.552†	724155.2	0.9995	mg/L	0.00385	0.9995	mg/L	0.00385	0.38%
Ti 334.903†	197.7	0.00749	mg/L	0.000714	0.00749	mg/L	0.000714	9.53%
Tl 190.801†	-16.3	-0.01518	mg/L	0.000833	-0.01518	mg/L	0.000833	5.49%
V 292.402†	910.2	0.00389	mg/L	0.000476	0.00389	mg/L	0.000476	12.23%
Zn 206.200†	6.3	0.00664	mg/L	0.002281	0.00664	mg/L	0.002281	34.34%

Sequence No.: 57
Sample ID: JR24 I TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 84
Date Collected: 8/7/2006 8:20:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 I TWC

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

DL

Mean Data: JR24 I TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1233974.3	76.17	%	0.136				0.18%
ScR 361.383	177464.8	87.39	%	0.349				0.40%
Ag 328.068†	-377.3	-0.00090	mg/L	0.000423	-0.00090	mg/L	0.000423	47.22%
Al 308.215†	-9.8	-0.00749	mg/L	0.001832	-0.00749	mg/L	0.001832	24.45%
As 188.979†	31.5	0.02298	mg/L	0.004445	0.02298	mg/L	0.004445	19.34%
B 249.677†	12374.8	4.097	mg/L	0.0184	4.097	mg/L	0.0184	0.45%
Ba 233.527†	521.0	0.1552	mg/L	0.00081	0.1552	mg/L	0.00081	0.52%
Be 313.042†	99.0	0.00015	mg/L	0.000027	0.00015	mg/L	0.000027	18.40%
Ca 317.933†	4384247.8	204.4	mg/L	0.19	204.4	mg/L	0.19	0.09%
Cd 228.802†	-1.5	-0.00022	mg/L	0.000182	-0.00022	mg/L	0.000182	84.15%
Co 228.616†	65.8	0.00157	mg/L	0.000087	0.00157	mg/L	0.000087	5.57%
Cr 267.716†	579.7	-0.02048	mg/L	0.001185	-0.02048	mg/L	0.001185	5.79%
Cu 324.752†	1574.4	0.00194	mg/L	0.000139	0.00194	mg/L	0.000139	7.17%
Fe 273.955†	11047.3	11.06	mg/L	0.050	11.06	mg/L	0.050	0.45%
K 766.490†	261463.7	187.2	mg/L	0.60	187.2	mg/L	0.60	0.32%
Mg 279.077†	885283.1	596.5	mg/L	1.66	596.5	mg/L	1.66	0.28%
Mn 257.610†	11878.2	0.4036	mg/L	0.00128	0.4036	mg/L	0.00128	0.32%
Mo 202.031†	136.8	-0.00039	mg/L	0.000396	-0.00039	mg/L	0.000396	100.69%
Na 589.592†	Saturated2							
Na 330.237†	132056.4	4395	mg/L	6.6	4395	mg/L	6.6	0.15%
Ni 231.604†	1.0	0.00051	mg/L	0.000829	0.00051	mg/L	0.000829	161.98%
Pb 220.353†	71.5	0.00840	mg/L	0.000266	0.00840	mg/L	0.000266	3.16%
Sb 206.836†	6.1	0.00436	mg/L	0.004092	0.00436	mg/L	0.004092	93.77%
Se 196.026†	-44.4	-0.03489	mg/L	0.005599	-0.03489	mg/L	0.005599	16.05%
Si 288.158†	29079.2	20.05	mg/L	0.330	20.05	mg/L	0.330	1.65%
Sn 189.927†	-107.6	-0.00510	mg/L	0.000763	-0.00510	mg/L	0.000763	14.96%
Sr 421.552†	2275227.7	3.140	mg/L	0.0051	3.140	mg/L	0.0051	0.16%
Ti 334.903†	347.3	0.01315	mg/L	0.000454	0.01315	mg/L	0.000454	3.45%
Tl 190.801†	-17.9	-0.01666	mg/L	0.004938	-0.01666	mg/L	0.004938	29.64%
V 292.402†	1429.7	0.00592	mg/L	0.000032	0.00592	mg/L	0.000032	0.53%
Zn 206.200†	-3.0	-0.00063	mg/L	0.001933	-0.00063	mg/L	0.001933	308.93%

Sequence No.: 58
Sample ID: JR24 MB1SPK TWC
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 85
Date Collected: 8/7/2006 8:26:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR24 MB1SPK TWC

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: JR24 MB1SPK TWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1603090.0	98.95	%	0.358				0.36%
ScR 361.383	204383.9	100.7	%	0.37				0.36%
Ag 328.068†	143863.6	0.4910	mg/L	0.00172	0.4910	mg/L	0.00172	0.35%
Al 308.215†	2809.0	2.033	mg/L	0.0080	2.033	mg/L	0.0080	0.39%
As 188.979†	1851.9	2.025	mg/L	0.0078	2.025	mg/L	0.0078	0.39%
B 249.677†	172.5	0.05802	mg/L	0.001163	0.05802	mg/L	0.001163	2.00%
Ba 233.527†	6672.8	1.998	mg/L	0.0057	1.998	mg/L	0.0057	0.29%
Be 313.042†	318376.3	0.5016	mg/L	0.00151	0.5016	mg/L	0.00151	0.30%
Ca 317.933†	214550.1	10.00	mg/L	0.033	10.00	mg/L	0.033	0.33%
Cd 228.802†	15724.0	0.5011	mg/L	0.00249	0.5011	mg/L	0.00249	0.50%
Co 228.616†	17190.8	0.4912	mg/L	0.00300	0.4912	mg/L	0.00300	0.61%
Cr 267.716†	4117.9	0.4957	mg/L	0.00184	0.4957	mg/L	0.00184	0.37%
Cu 324.752†	128740.0	0.4921	mg/L	0.00126	0.4921	mg/L	0.00126	0.26%
Fe 273.955†	2054.1	2.055	mg/L	0.0066	2.055	mg/L	0.0066	0.32%
K 766.490†	15526.6	11.12	mg/L	0.048	11.12	mg/L	0.048	0.43%
Mg 279.077†	15607.6	10.52	mg/L	0.006	10.52	mg/L	0.006	0.06%
Mn 257.610†	14303.2	0.4998	mg/L	0.00207	0.4998	mg/L	0.00207	0.41%
Mo 202.031†	25.1	0.00231	mg/L	0.000239	0.00231	mg/L	0.000239	10.34%
Na 589.592†	79825.7	12.33	mg/L	0.101	12.33	mg/L	0.101	0.82%
Na 330.237†	351.2	11.47	mg/L	0.238	11.47	mg/L	0.238	2.07%
Ni 231.604†	1009.5	0.5091	mg/L	0.00071	0.5091	mg/L	0.00071	0.14%
Pb 220.353†	17118.6	1.983	mg/L	0.0043	1.983	mg/L	0.0043	0.22%
Sb 206.836†	7.3	0.00073	mg/L	0.002978	0.00073	mg/L	0.002978	410.27%
Se 196.026†	2622.8	2.034	mg/L	0.0086	2.034	mg/L	0.0086	0.42%
Si 288.158†	78.6	0.05526	mg/L	0.008949	0.05526	mg/L	0.008949	16.19%
Sn 189.927†	-12.5	-0.00131	mg/L	0.001350	-0.00131	mg/L	0.001350	102.78%
Sr 421.552†	361210.9	0.4986	mg/L	0.00095	0.4986	mg/L	0.00095	0.19%
Ti 334.903†	49.3	0.00176	mg/L	0.000659	0.00176	mg/L	0.000659	37.35%
Tl 190.801†	2131.2	1.983	mg/L	0.0167	1.983	mg/L	0.0167	0.84%
V 292.402†	134867.4	0.5091	mg/L	0.00202	0.5091	mg/L	0.00202	0.40%
Zn 206.200†	519.6	0.5161	mg/L	0.00240	0.5161	mg/L	0.00240	0.47%

Sequence No.: 59
Sample ID: CV 8
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 8:33:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1577996.6	97.41	%	0.630				0.65%
ScR 361.383	201084.3	99.03	%	0.802				0.81%
Ag 328.068†	288438.0	0.9843	mg/L	0.00818	0.9843	mg/L	0.00818	0.83%
Al 308.215†	2848.1	2.033	mg/L	0.0217	2.033	mg/L	0.0217	1.07%
As 188.979†	1833.1	2.001	mg/L	0.0098	2.001	mg/L	0.0098	0.49%
B 249.677†	3096.1	1.029	mg/L	0.0046	1.029	mg/L	0.0046	0.45%
Ba 233.527†	3382.5	1.012	mg/L	0.0112	1.012	mg/L	0.0112	1.11%
Be 313.042†	618787.8	0.9748	mg/L	0.00185	0.9748	mg/L	0.00185	0.19%
Ca 317.933†	43449.6	2.025	mg/L	0.0058	2.025	mg/L	0.0058	0.28%
Cd 228.802†	31601.0	1.010	mg/L	0.0084	1.010	mg/L	0.0084	0.83%
Co 228.616†	34322.5	0.9801	mg/L	0.00873	0.9801	mg/L	0.00873	0.89%
Cr 267.716†	8109.3	0.9787	mg/L	0.00673	0.9787	mg/L	0.00673	0.69%
Cu 324.752†	268212.4	1.024	mg/L	0.0075	1.024	mg/L	0.0075	0.74%
Fe 273.955†	2043.4	2.043	mg/L	0.0089	2.043	mg/L	0.0089	0.44%
K 766.490†	29586.8	21.19	mg/L	0.063	21.19	mg/L	0.063	0.30%
Mg 279.077†	3095.4	2.089	mg/L	0.0173	2.089	mg/L	0.0173	0.83%
Mn 257.610†	27822.1	0.9722	mg/L	0.00726	0.9722	mg/L	0.00726	0.75%
Mo 202.031†	9888.8	0.9928	mg/L	0.00768	0.9928	mg/L	0.00768	0.77%
Na 589.592†	336757.7	52.02	mg/L	0.134	52.02	mg/L	0.134	0.26%
Na 330.237†	1548.2	51.51	mg/L	0.437	51.51	mg/L	0.437	0.85%
Ni 231.604†	2052.3	1.036	mg/L	0.0090	1.036	mg/L	0.0090	0.86%
Pb 220.353†	17008.7	1.971	mg/L	0.0134	1.971	mg/L	0.0134	0.68%
Sb 206.836†	2204.9	2.091	mg/L	0.0137	2.091	mg/L	0.0137	0.65%
Se 196.026†	2593.5	2.011	mg/L	0.0078	2.011	mg/L	0.0078	0.39%
Si 288.158†	3057.5	2.110	mg/L	0.0119	2.110	mg/L	0.0119	0.57%
Sn 189.927†	4012.8	0.9452	mg/L	0.00407	0.9452	mg/L	0.00407	0.43%
Sr 421.552†	716828.4	0.9894	mg/L	0.00158	0.9894	mg/L	0.00158	0.16%
Ti 334.903†	26507.0	1.005	mg/L	0.0006	1.005	mg/L	0.0006	0.06%
Tl 190.801†	2133.5	1.985	mg/L	0.0086	1.985	mg/L	0.0086	0.43%
V 292.402†	262754.5	0.9922	mg/L	0.00795	0.9922	mg/L	0.00795	0.80%
Zn 206.200†	1062.9	1.055	mg/L	0.0099	1.055	mg/L	0.0099	0.94%

Sequence No.: 60
Sample ID: CB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 8:39:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1595769.7	98.50	%	0.489				0.50%
ScR 361.383	206696.2	101.8	%	1.03				1.01%
Ag 328.068†	-4.7	-0.00002	mg/L	0.000147	-0.00002	mg/L	0.000147	923.32%
Al 308.215†	-18.3	-0.01335	mg/L	0.009531	-0.01335	mg/L	0.009531	71.41%
As 188.979†	3.7	0.00402	mg/L	0.002970	0.00402	mg/L	0.002970	73.89%
B 249.677†	39.0	0.01292	mg/L	0.000410	0.01292	mg/L	0.000410	3.17%
Ba 233.527†	-2.0	-0.00060	mg/L	0.000337	-0.00060	mg/L	0.000337	56.30%
Be 313.042†	-55.7	-0.00009	mg/L	0.000020	-0.00009	mg/L	0.000020	22.54%
Ca 317.933†	-2.4	-0.00011	mg/L	0.000575	-0.00011	mg/L	0.000575	514.26%
Cd 228.802†	5.7	0.00018	mg/L	0.000107	0.00018	mg/L	0.000107	60.19%
Co 228.616†	1.7	0.00004	mg/L	0.000071	0.00004	mg/L	0.000071	161.21%
Cr 267.716†	9.3	0.00112	mg/L	0.000569	0.00112	mg/L	0.000569	50.62%
Cu 324.752†	-6.9	-0.00003	mg/L	0.000116	-0.00003	mg/L	0.000116	422.20%
Fe 273.955†	1.2	0.00116	mg/L	0.000638	0.00116	mg/L	0.000638	54.99%
K 766.490†	263.6	0.1887	mg/L	0.03310	0.1887	mg/L	0.03310	17.53%
Mg 279.077†	2.8	0.00187	mg/L	0.017067	0.00187	mg/L	0.017067	914.86%
Mn 257.610†	9.2	0.00032	mg/L	0.000260	0.00032	mg/L	0.000260	80.77%
Mo 202.031†	9.7	0.00098	mg/L	0.000219	0.00098	mg/L	0.000219	22.46%
Na 589.592†	4850.5	0.7493	mg/L	0.02522	0.7493	mg/L	0.02522	3.37%
Na 330.237†	25.6	0.8535	mg/L	0.29597	0.8535	mg/L	0.29597	34.68%
Ni 231.604†	-0.3	-0.00017	mg/L	0.000982	-0.00017	mg/L	0.000982	593.68%
Pb 220.353†	33.1	0.00384	mg/L	0.000497	0.00384	mg/L	0.000497	12.96%
Sb 206.836†	0.5	0.00047	mg/L	0.003015	0.00047	mg/L	0.003015	640.53%
Se 196.026†	9.1	0.00703	mg/L	0.001161	0.00703	mg/L	0.001161	16.53%
Si 288.158†	21.2	0.01462	mg/L	0.004909	0.01462	mg/L	0.004909	33.59%
Sn 189.927†	7.2	0.00169	mg/L	0.001052	0.00169	mg/L	0.001052	62.07%
Sr 421.552†	129.9	0.00018	mg/L	0.000048	0.00018	mg/L	0.000048	26.59%
Ti 334.903†	58.1	0.00220	mg/L	0.000461	0.00220	mg/L	0.000461	20.90%
Tl 190.801†	4.0	0.00368	mg/L	0.001444	0.00368	mg/L	0.001444	39.18%
V 292.402†	80.7	0.00031	mg/L	0.000290	0.00031	mg/L	0.000290	93.50%
Zn 206.200†	4.0	0.00400	mg/L	0.002259	0.00400	mg/L	0.002259	56.44%

Sequence No.: 61
Sample ID: CRI
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 8
Date Collected: 8/7/2006 8:45:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1602832.2	98.94	%	0.081				0.08%
ScR 361.383	201572.2	99.27	%	0.029				0.03%
Ag 328.068†	855.8	0.00292	mg/L	0.000184	0.00292	mg/L	0.000184	6.28%
Al 308.215†	100.8	0.07307	mg/L	0.013315	0.07307	mg/L	0.013315	18.22%
As 188.979†	55.3	0.06044	mg/L	0.003170	0.06044	mg/L	0.003170	5.24%
B 249.677†	80.6	0.02673	mg/L	0.000988	0.02673	mg/L	0.000988	3.70%
Ba 233.527†	9.4	0.00281	mg/L	0.001792	0.00281	mg/L	0.001792	63.71%
Be 313.042†	609.2	0.00096	mg/L	0.000097	0.00096	mg/L	0.000097	10.12%
Ca 317.933†	1155.4	0.05386	mg/L	0.000537	0.05386	mg/L	0.000537	1.00%
Cd 228.802†	68.6	0.00211	mg/L	0.000097	0.00211	mg/L	0.000097	4.59%
Co 228.616†	112.2	0.00320	mg/L	0.000062	0.00320	mg/L	0.000062	1.93%
Cr 267.716†	55.3	0.00667	mg/L	0.000409	0.00667	mg/L	0.000409	6.14%
Cu 324.752†	524.5	0.00200	mg/L	0.000066	0.00200	mg/L	0.000066	3.31%
Fe 273.955†	50.7	0.05071	mg/L	0.002241	0.05071	mg/L	0.002241	4.42%
K 766.490†	1005.6	0.7201	mg/L	0.02889	0.7201	mg/L	0.02889	4.01%
Mg 279.077†	78.7	0.05302	mg/L	0.008727	0.05302	mg/L	0.008727	16.46%
Mn 257.610†	31.2	0.00109	mg/L	0.000131	0.00109	mg/L	0.000131	11.92%
Mo 202.031†	57.5	0.00577	mg/L	0.000212	0.00577	mg/L	0.000212	3.68%
Na 589.592†	6779.2	1.047	mg/L	0.0116	1.047	mg/L	0.0116	1.11%
Na 330.237†	26.4	0.8786	mg/L	0.20597	0.8786	mg/L	0.20597	23.44%
Ni 231.604†	17.1	0.00864	mg/L	0.002005	0.00864	mg/L	0.002005	23.21%
Pb 220.353†	190.2	0.02204	mg/L	0.000530	0.02204	mg/L	0.000530	2.40%
Sb 206.836†	58.7	0.05571	mg/L	0.003471	0.05571	mg/L	0.003471	6.23%
Se 196.026†	71.1	0.05518	mg/L	0.004679	0.05518	mg/L	0.004679	8.48%
Si 288.158†	120.6	0.08314	mg/L	0.004634	0.08314	mg/L	0.004634	5.57%
Sn 189.927†	48.9	0.01159	mg/L	0.001491	0.01159	mg/L	0.001491	12.87%
Sr 421.552†	788.4	0.00109	mg/L	0.000116	0.00109	mg/L	0.000116	10.68%
Ti 334.903†	153.4	0.00581	mg/L	0.001318	0.00581	mg/L	0.001318	22.68%
Tl 190.801†	55.5	0.05171	mg/L	0.000518	0.05171	mg/L	0.000518	1.00%
V 292.402†	876.1	0.00333	mg/L	0.000261	0.00333	mg/L	0.000261	7.83%
Zn 206.200†	9.0	0.00894	mg/L	0.000341	0.00894	mg/L	0.000341	3.81%

Sequence No.: 62
Sample ID: ICSA
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 9
Date Collected: 8/7/2006 8:52:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	161.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1508603.3	93.12	%	0.239				0.26%
ScR 361.383	200751.5	98.86	%	0.506				0.51%
Ag 328.068†	-2818.7	-0.00130	mg/L	0.000165	-0.00130	mg/L	0.000165	12.62%
Al 308.215†	281342.8	204.5	mg/L	0.43	204.5	mg/L	0.43	0.21%
As 188.979†	39.3	0.01906	mg/L	0.001362	0.01906	mg/L	0.001362	7.14%
B 249.677†	0.1	0.00003	mg/L	0.007033	0.00003	mg/L	0.007033	>999.9%
Ba 233.527†	51.4	0.00098	mg/L	0.001280	0.00098	mg/L	0.001280	130.76%
Be 313.042†	-3.6	-0.00001	mg/L	0.000032	-0.00001	mg/L	0.000032	348.98%
Ca 317.933†	2126015.8	99.10	mg/L	0.309	99.10	mg/L	0.309	0.31%
Cd 228.802†	40.1	-0.00079	mg/L	0.000161	-0.00079	mg/L	0.000161	20.29%
Co 228.616†	-24.0	-0.00191	mg/L	0.000381	-0.00191	mg/L	0.000381	19.98%
Cr 267.716†	-2.4	0.00060	mg/L	0.000651	0.00060	mg/L	0.000651	107.68%
Cu 324.752†	-4687.6	0.00014	mg/L	0.000161	0.00014	mg/L	0.000161	116.76%
Fe 273.955†	199859.7	200.0	mg/L	0.84	200.0	mg/L	0.84	0.42%
K 766.490†	244.1	0.1748	mg/L	0.03583	0.1748	mg/L	0.03583	20.50%
Mg 279.077†	154026.1	103.6	mg/L	0.06	103.6	mg/L	0.06	0.06%
Mn 257.610†	110.1	0.00005	mg/L	0.000233	0.00005	mg/L	0.000233	509.59%
Mo 202.031†	41.8	0.00627	mg/L	0.000806	0.00627	mg/L	0.000806	12.87%
Na 589.592†	2650.5	0.4094	mg/L	0.01279	0.4094	mg/L	0.01279	3.12%
Na 330.237†	35.8	0.3066	mg/L	0.18400	0.3066	mg/L	0.18400	60.02%
Ni 231.604†	-4.1	-0.00207	mg/L	0.003174	-0.00207	mg/L	0.003174	153.61%
Pb 220.353†	-223.7	0.01348	mg/L	0.000217	0.01348	mg/L	0.000217	1.61%
Sb 206.836†	26.7	0.02506	mg/L	0.001867	0.02506	mg/L	0.001867	7.45%
Se 196.026†	-96.5	-0.07488	mg/L	0.006259	-0.07488	mg/L	0.006259	8.36%
Si 288.158†	-16.3	-0.01122	mg/L	0.004333	-0.01122	mg/L	0.004333	38.62%
Sn 189.927†	-93.0	-0.00699	mg/L	0.000666	-0.00699	mg/L	0.000666	9.53%
Sr 421.552†	949.5	0.00131	mg/L	0.000040	0.00131	mg/L	0.000040	3.02%
Ti 334.903†	179.7	0.00682	mg/L	0.000666	0.00682	mg/L	0.000666	9.77%
Tl 190.801†	-30.9	-0.02876	mg/L	0.000406	-0.02876	mg/L	0.000406	1.41%
V 292.402†	597.0	0.00224	mg/L	0.000024	0.00224	mg/L	0.000024	1.07%
Zn 206.200†	1.7	-0.00236	mg/L	0.001576	-0.00236	mg/L	0.001576	66.76%

Sequence No.: 63
Sample ID: ICSAB
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 10
Date Collected: 8/7/2006 8:58:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1513004.5	93.39	%	0.274				0.29%
ScR 361.383	198161.5	97.59	%	1.042				1.07%
Ag 328.068†	301259.4	1.036	mg/L	0.0025	1.036	mg/L	0.0025	0.24%
Al 308.215†	281766.8	204.8	mg/L	0.39	204.8	mg/L	0.39	0.19%
As 188.979†	988.4	1.057	mg/L	0.0105	1.057	mg/L	0.0105	0.99%
B 249.677†	-6.2	-0.00026	mg/L	0.002010	-0.00026	mg/L	0.002010	783.85%
Ba 233.527†	3487.8	1.030	mg/L	0.0097	1.030	mg/L	0.0097	0.94%
Be 313.042†	647767.4	1.020	mg/L	0.0106	1.020	mg/L	0.0106	1.04%
Ca 317.933†	2130146.3	99.30	mg/L	1.035	99.30	mg/L	1.035	1.04%
Cd 228.802†	32644.4	1.043	mg/L	0.0016	1.043	mg/L	0.0016	0.15%
Co 228.616†	34341.2	0.9808	mg/L	0.00348	0.9808	mg/L	0.00348	0.35%
Cr 267.716†	8193.3	0.9900	mg/L	0.00944	0.9900	mg/L	0.00944	0.95%
Cu 324.752†	278909.3	1.084	mg/L	0.0013	1.084	mg/L	0.0013	0.12%
Fe 273.955†	197501.6	197.7	mg/L	0.71	197.7	mg/L	0.71	0.36%
K 766.490†	183.5	0.1314	mg/L	0.04089	0.1314	mg/L	0.04089	31.11%
Mg 279.077†	153238.1	103.1	mg/L	0.28	103.1	mg/L	0.28	0.27%
Mn 257.610†	28285.4	0.9844	mg/L	0.00279	0.9844	mg/L	0.00279	0.28%
Mo 202.031†	35.0	0.00561	mg/L	0.000516	0.00561	mg/L	0.000516	9.20%
Na 589.592†	2111.4	0.3262	mg/L	0.00590	0.3262	mg/L	0.00590	1.81%
Na 330.237†	11.6	-0.7535	mg/L	0.35377	-0.7535	mg/L	0.35377	46.95%
Ni 231.604†	1975.5	0.9968	mg/L	0.00773	0.9968	mg/L	0.00773	0.78%
Pb 220.353†	8016.9	0.9689	mg/L	0.00469	0.9689	mg/L	0.00469	0.48%
Sb 206.836†	1153.6	1.082	mg/L	0.0073	1.082	mg/L	0.0073	0.67%
Se 196.026†	1239.5	0.9605	mg/L	0.01121	0.9605	mg/L	0.01121	1.17%
Si 288.158†	-36.7	-0.02321	mg/L	0.003324	-0.02321	mg/L	0.003324	14.32%
Sn 189.927†	-94.6	-0.00531	mg/L	0.001942	-0.00531	mg/L	0.001942	36.61%
Sr 421.552†	1049.7	0.00145	mg/L	0.000057	0.00145	mg/L	0.000057	3.92%
Ti 334.903†	347.9	0.01299	mg/L	0.000010	0.01299	mg/L	0.000010	0.08%
Tl 190.801†	1020.6	0.9448	mg/L	0.00383	0.9448	mg/L	0.00383	0.41%
V 292.402†	280313.3	1.058	mg/L	0.0020	1.058	mg/L	0.0020	0.19%
Zn 206.200†	1009.2	0.9979	mg/L	0.01000	0.9979	mg/L	0.01000	1.00%

Sequence No.: 64
Sample ID: CV 9
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/7/2006 9:05:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1558794.6	96.22	%	0.592				0.62%
ScR 361.383	206124.6	101.5	%	0.61				0.60%
Ag 328.068†	295328.2	1.008	mg/L	0.0014	1.008	mg/L	0.0014	0.14%
Al 308.215†	2820.5	2.013	mg/L	0.0122	2.013	mg/L	0.0122	0.61%
As 188.979†	1860.2	2.031	mg/L	0.0146	2.031	mg/L	0.0146	0.72%
B 249.677†	3057.8	1.016	mg/L	0.0100	1.016	mg/L	0.0100	0.99%
Ba 233.527†	3397.9	1.017	mg/L	0.0081	1.017	mg/L	0.0081	0.80%
Be 313.042†	626568.2	0.9871	mg/L	0.00058	0.9871	mg/L	0.00058	0.06%
Ca 317.933†	43703.2	2.037	mg/L	0.0011	2.037	mg/L	0.0011	0.06%
Cd 228.802†	32131.2	1.027	mg/L	0.0011	1.027	mg/L	0.0011	0.11%
Co 228.616†	35098.4	1.002	mg/L	0.0029	1.002	mg/L	0.0029	0.29%
Cr 267.716†	8068.2	0.9737	mg/L	0.00680	0.9737	mg/L	0.00680	0.70%
Cu 324.752†	274024.7	1.046	mg/L	0.0002	1.046	mg/L	0.0002	0.02%
Fe 273.955†	2022.0	2.021	mg/L	0.0210	2.021	mg/L	0.0210	1.04%
K 766.490†	28837.2	20.65	mg/L	0.024	20.65	mg/L	0.024	0.12%
Mg 279.077†	3103.6	2.095	mg/L	0.0204	2.095	mg/L	0.0204	0.97%
Mn 257.610†	27742.8	0.9695	mg/L	0.00749	0.9695	mg/L	0.00749	0.77%
Mo 202.031†	9897.7	0.9937	mg/L	0.00549	0.9937	mg/L	0.00549	0.55%
Na 589.592†	327475.4	50.59	mg/L	0.206	50.59	mg/L	0.206	0.41%
Na 330.237†	1513.8	50.36	mg/L	0.242	50.36	mg/L	0.242	0.48%
Ni 231.604†	2063.8	1.042	mg/L	0.0067	1.042	mg/L	0.0067	0.64%
Pb 220.353†	16983.6	1.968	mg/L	0.0127	1.968	mg/L	0.0127	0.64%
Sb 206.836†	2232.6	2.117	mg/L	0.0140	2.117	mg/L	0.0140	0.66%
Se 196.026†	2639.1	2.047	mg/L	0.0106	2.047	mg/L	0.0106	0.52%
Si 288.158†	2988.1	2.063	mg/L	0.0192	2.063	mg/L	0.0192	0.93%
Sn 189.927†	4086.3	0.9625	mg/L	0.00689	0.9625	mg/L	0.00689	0.72%
Sr 421.552†	712371.9	0.9832	mg/L	0.00224	0.9832	mg/L	0.00224	0.23%
Ti 334.903†	26557.8	1.007	mg/L	0.0016	1.007	mg/L	0.0016	0.16%
Tl 190.801†	2155.9	2.005	mg/L	0.0175	2.005	mg/L	0.0175	0.87%
V 292.402†	269259.5	1.016	mg/L	0.0018	1.016	mg/L	0.0018	0.17%
Zn 206.200†	1080.7	1.073	mg/L	0.0091	1.073	mg/L	0.0091	0.84%

Sequence No.: 65
Sample ID: CB 9
Analyst: BLW
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/7/2006 9:11:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	162.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1580238.2	97.54	%	0.358				0.37%
ScR 361.383	202450.6	99.70	%	0.472				0.47%
Ag 328.068†	-6.1	-0.00002	mg/L	0.000059	-0.00002	mg/L	0.000059	283.57%
Al 308.215†	6.3	0.00459	mg/L	0.006261	0.00459	mg/L	0.006261	136.53%
As 188.979†	9.4	0.01024	mg/L	0.002444	0.01024	mg/L	0.002444	23.87%
B 249.677†	30.6	0.01013	mg/L	0.000603	0.01013	mg/L	0.000603	5.95%
Ba 233.527†	-2.9	-0.00086	mg/L	0.001674	-0.00086	mg/L	0.001674	195.19%
Be 313.042†	-31.7	-0.00005	mg/L	0.000020	-0.00005	mg/L	0.000020	40.03%
Ca 317.933†	34.4	0.00160	mg/L	0.000936	0.00160	mg/L	0.000936	58.46%
Cd 228.802†	7.4	0.00022	mg/L	0.000166	0.00022	mg/L	0.000166	74.45%
Co 228.616†	-6.7	-0.00019	mg/L	0.000034	-0.00019	mg/L	0.000034	17.84%
Cr 267.716†	14.2	0.00171	mg/L	0.000625	0.00171	mg/L	0.000625	36.54%
Cu 324.752†	-28.5	-0.00011	mg/L	0.000114	-0.00011	mg/L	0.000114	103.94%
Fe 273.955†	0.7	0.00069	mg/L	0.003186	0.00069	mg/L	0.003186	463.61%
K 766.490†	141.6	0.1014	mg/L	0.04941	0.1014	mg/L	0.04941	48.72%
Mg 279.077†	6.1	0.00414	mg/L	0.007226	0.00414	mg/L	0.007226	174.54%
Mn 257.610†	9.8	0.00034	mg/L	0.000200	0.00034	mg/L	0.000200	58.19%
Mo 202.031†	11.4	0.00114	mg/L	0.000319	0.00114	mg/L	0.000319	27.95%
Na 589.592†	1339.2	0.2069	mg/L	0.00440	0.2069	mg/L	0.00440	2.13%
Na 330.237†	-0.2	-0.00796	mg/L	0.063364	-0.00796	mg/L	0.063364	795.59%
Ni 231.604†	2.4	0.00123	mg/L	0.001140	0.00123	mg/L	0.001140	92.67%
Pb 220.353†	27.2	0.00316	mg/L	0.001087	0.00316	mg/L	0.001087	34.43%
Sb 206.836†	-1.2	-0.00114	mg/L	0.001012	-0.00114	mg/L	0.001012	88.45%
Se 196.026†	5.5	0.00426	mg/L	0.003923	0.00426	mg/L	0.003923	92.03%
Si 288.158†	17.0	0.01175	mg/L	0.001169	0.01175	mg/L	0.001169	9.95%
Sn 189.927†	11.2	0.00262	mg/L	0.000566	0.00262	mg/L	0.000566	21.55%
Sr 421.552†	54.8	0.00008	mg/L	0.000065	0.00008	mg/L	0.000065	86.06%
Ti 334.903†	4.4	0.00017	mg/L	0.000434	0.00017	mg/L	0.000434	262.42%
Tl 190.801†	4.1	0.00383	mg/L	0.001903	0.00383	mg/L	0.001903	49.67%
V 292.402†	69.3	0.00027	mg/L	0.000128	0.00027	mg/L	0.000128	46.77%
Zn 206.200†	1.7	0.00168	mg/L	0.001595	0.00168	mg/L	0.001595	94.92%

Metals Prep Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SPIKING LOG

Analyst: DM

Date: 7-28-06

Final Volume 50

Final Volume (Hg):

Sample ID [redacted] JQ35 ASPK, MBISPK

		Prepcode:	SWL		
		Spike Solution:	ICP Routine	ICP No GFA	GFA
		Standard No.:	2261-1		
		Vol Added (mL):	1.0		
STOCK CONCENTRATION	Ag		50		2.0
	Al		200	200	
	As		200		10
	Ba		200	200	
	Be		50	50	
	Ca		1000	1000	
	Cd		50		2.0
	Co		50	50	
	Cr		50	50	
	Cu		50	50	
	Fe		200	200	
	K		1000	1000	
	Mg		1000	1000	
	Mn		50	50	
	Na		1000	1000	
	Ni		50	50	
	Pb		200 ✓		10
	Se		200		10
	Sr		50	50	
	Tl		200		10
	V		50	50	
	Zn		50 ✓	50	

	ICP-MS #1	ICP-MS #2	ICP-MS Minerals
Ag	25		
Al			500
As	25		
Ba	25		
Be	25		
Ca			500
Cd	25		
Co	25		
Cr	25		
Cu	25		
Fe			500
K			500
Mg			500
Mn	25		
Mo		25	
Na			500
Ni	25		
Pb	25		
Sb		25	
Se	80		
Th	25		
U	25		
V	25		
Zn	80		

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std No.
Hg		CVA	1.0		
Hg MBSPK		CVA	1.0		
Sb		ICP	2000		
Sb		GFA	100		
B		ICP	500		
Mo		ICP	500		
Si		ICP	10000		
Sn		ICP	500		
Ti		ICP	2000		

Additional Elements:

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std. No.

0857

5033F

Digestion Log

Analyst: DM

Date: 7-28-06

Matrix: Soil

Block Temp: 90°C

ARI Sample ID	Btl #	pH<2	Prep Code: SWC Initial Wt (g) ~~Vol (mL)~~	Prep Code: SWC Final Vol (mL)	Prep Code: Initial Wt (g) Vol (mL)	Prep Code: Final Vol (mL)	Comments
JQ52 A	2	—	1.022	50.0			
" ADUP	2	—	1.024				
" ASPK	2	—	1.021				
" B	2	—	1.068				
" C	2	—	1.092				
" D	2	—	1.023				
" MBI	—	—	—				
" MBISPK	—	—	—	50.0			

7-28-06 DM

Chemical/Reagent ID:

HNO_3: MP989 | I2853

HCl: I2854

H_2O_2: I2982

Total Solids

Oven in:
Analyst: DM Date: 7-31-06 Time: 1030 Temp: 101°C

Oven out:
Analyst: DM Date: 8-01-06 Time: 0735 Temp: 102°C

ARI Sample ID	Tare Weight (g)	Tare + Sample Wet (g)	Tare + Sample Dry (g)	Comments
JQ35 A	0.994	10.547	6.093	
" B	0.965	10.291	6.164	
" C	0.974	10.611	6.617	
" D	1.034	10.755	6.400	
" E	1.022	10.807	6.519	
" F	1.066	10.215	6.546	
" G	1.017	10.563	7.367	
" H	1.003	10.138	5.708	
" I	1.012	10.198	6.104	
" J	1.009	10.422	6.410	
" K	1.017	10.151	6.199	
" L	1.042	10.542	8.496	
" M	0.999	10.836	5.938	
" N	1.006	10.717	8.028	
" O	0.973	10.548	7.550	
" P	1.018	10.903	9.188	
JQ52 A	0.982	10.321	6.085	
" B	1.019	10.724	6.929	
" C	1.015	10.415	5.756	
" D	1.004	10.609	8.848	
		7-31-06 DM		

Digestion Log

Analyst: DM
Matrix: Soil
Date: 8-04-06
Block Temp: 92°C

ARI Sample ID	Btl #	pH<2	Prep Code: SMC Initial Wt (g) ~~Vol (mL)~~	Prep Code: SMC Final Vol (mL)	Prep Code: Initial Wt (g) Vol (mL)	Prep Code: Final Vol (mL)	Comments
JQ35R A	1	—	1.020	50.0			
" ADUP	1	—	1.022				
" ASPK	1	—	1.019				
" MB1	—	—	—				
" MB1SPK	—	—	—				
JQ52R A	1	—	1.026				
" ADUP	1	—	1.026				
" ASPK	1	—	1.029				
" B	1	—	1.084				
" C	1	—	1.053				
" D	1	—	1.027				
" MB1	—	—	—				
" MB1SPK	—	—	—	50.0			
			8.4.06 DM				

Chemical/Reagent ID:
HNO_3: MP994 | I2853
HCl: I2854
H_2O_2: I2982

ANALYTICAL
RESOURCES
INCORPORATED

CORRECTIVE ACTIONS - Inorganic Analyses

Criteria Flagged

ARI Project No.: JQ52 Client Name: Anchor

Date of Out-of-Control Event: 8.2.06 Method/Element: ICP Zn, Pb

Unacceptable Blank	✓
Unacceptable Duplicate	✓
Unacceptable Spike	
Unacceptable Reference	

Prep Code: SWC

Other:

Details of Problem/Recommended Corrective Action:

MB1 Zn 0.1991 mg/L

Sample B > 10X
C < 10X
D < 10X
A > 10X

Pb DUP 22.2%

Samples Affected: C, D, A, [illegible]

Corrective Action Taken:

Redo All

Analyst: [signature] Supervisor: [signature]

Date: 8-2-6 Date: 8/3/06

5049F

Rev. 6
10/28/02

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SPIKING LOG

Analyst: DM

Date: 8-04-06

Final Volume 50

Final Volume (Hg): _____

Sample ID [redacted] JQ52R ASPK, MBISPK

Prepcode:		SWL		
Spike Solution:		ICP Routine	ICP No GFA	GFA
Standard No.:		2261-1		
Vol Added (mL):		1.0		
STOCK CONCENTRATION	Ag	50		2.0
	Al	200	200	
	As	200		10
	Ba	200	200	
	Be	50	50	
	Ca	1000	1000	
	Cd	50		2.0
	Co	50	50	
	Cr	50	50	
	Cu	50	50	
	Fe	200	200	
	K	1000	1000	
	Mg	1000	1000	
	Mn	50	50	
	Na	1000	1000	
	Ni	50	50	
	Pb	200 ✓		10
	Se	200		10
	Sr	50	50	
	Tl	200		10
	V	50	50	
	Zn	50 ✓	50	

	ICP-MS #1	ICP-MS #2	ICP-MS Minerals
Ag	25		
Al			500
As	25		
Ba	25		
Be	25		
Ca			500
Cd	25		
Co	25		
Cr	25		
Cu	25		
Fe			500
K			500
Mg			500
Mn	25		
Mo		25	
Na			500
Ni	25		
Pb	25		
Sb		25	
Se	80		
Th	25		
U	25		
V	25		
Zn	80		

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std No.
Hg		CVA	1.0		
Hg MBSPK		CVA	1.0		
Sb		ICP	2000		
Sb		GFA	100		
B		ICP	500		
Mo		ICP	500		
Si		ICP	10000		
Sn		ICP	500		
Ti		ICP	2000		

Additional Elements:

Element	Prepcode	Analysis	Stock Conc.	Stock Added	Std. No.

0862

5033F

ANALYTICAL
RESOURCES
INCORPORATED

CORRECTIVE ACTIONS - Inorganic Analyses

Criteria Flagged

ARI Project No.: JQ52R

Client Name: Anchor

Date of Out-of-Control Event: 8.7.06

Method/Element: ICP

Unacceptable Blank	✓
Unacceptable Duplicate	
Unacceptable Spike	✓
Unacceptable Reference	

Prep Code: SWC

Other:

Details of Problem/Recommended Corrective Action:

JQ52R MB1 Zn .02 run twice
samples 710X

JQ52R Asph Zn 48%R - rerun 43%

Samples Affected: A Adep Asph

Corrective Action Taken: Sed JB 8/8/6

Analyst: [signature]

Date: 8.8.06

Supervisor: [signature]

Date: 8/8/6

5049F

Rev. 6
10/28/02

0863

General Chemistry Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	Blank
Total Solids	07/26/06	Percent	< 0.01 U
Total Organic Carbon	07/27/06	Percent	< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte	Date	Units	LCS	Spike Added	Recovery
Total Organic Carbon	07/27/06	Percent	0.498	0.500	99.6%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Analyte/SRM ID	Date	Units	SRM	True Value	Recovery
Total Organic Carbon NIST #8704	07/27/06	Percent	3.16	3.35	94.3%

REPLICATE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JQ52C Client ID: T4-B414-02-A-DUP					
Total Solids	07/26/06	Percent	50.10	50.00 49.80	0.3%
Total Organic Carbon	07/27/06	Percent	1.74	1.84 1.59	7.3%

MS/MSD RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JQ52C Client ID: T4-B414-02-A-DUP						
Total Organic Carbon	07/27/06	Percent	1.74	3.57	1.92	95.3%

General Chemistry Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/18/06
Date Received: 07/21/06

Client ID: T4-S3-02-F-DUP
ARI ID: 06-13102 JQ52A

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/26/06 072606#1	EPA 160.3	Percent	0.01	53.60
Total Organic Carbon	07/27/06 072706#1	Plumb,1981	Percent	0.020	1.62

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-S3-03-C-DUP
ARI ID: 06-13103 JQ52B

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/26/06 072606#1	EPA 160.3	Percent	0.01	60.90
Total Organic Carbon	07/27/06 072706#1	Plumb,1981	Percent	0.020	1.82

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MR
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-B414-02-A-DUP
ARI ID: 06-13104 JQ52C

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/26/06 072606#1	EPA 160.3	Percent	0.01	50.10
Total Organic Carbon	07/27/06 072706#1	Plumb,1981	Percent	0.020	1.74

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ52-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/19/06
Date Received: 07/21/06

Client ID: T4-S3-08-C-DUP
ARI ID: 06-13114 JQ52D

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/26/06 072606#1	EPA 160.3	Percent	0.01	83.00
Total Organic Carbon	07/27/06 072706#1	Plumb,1981	Percent	0.020	0.130

RL Analytical reporting limit
U Undetected at reported detection limit

General Chemistry Analysis
Instrument Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ52

prepared
by

Analytical Resources, Inc.

JQ52

(2w)

7-27-06

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

DATE: 7/26/2006

ANALYST: K2 14:18

Batch drying time			*TS (%) calculated as:*	*TVS (mg/kg dry wt) calculated as:*
record times as mm/dd/yy hh:mm			*Final dry wt (g) = (Dry Wt - Tare Wt)*	*Final ash wt (g) = (min ash wt - tare wt)*
7/26/2006 14:18	time in oven	KE	*TS = (Final Dry Wt)/ (grams Sample-Tare)*	*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
7/27/2006 9:18	time out	KE		*if ash wt > dry wt, "Chk for Err"*
elapsed hrs =	19.0			*if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000*

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	(%)
	Cal Date -->	7/26/2006	7/26/2006	7/27/2006					7/27/2006	7/27/2006				
	Time & Initials -->	13:54 KE	13:36 KE	9:36 KE					10:34 KE	11:22 KE				
	Cal Wt (g) 10.0000	9.9996	9.9996	9.9998					9.9998	9.9996				
	record weights to 4 places	*Cal OK!*	*Cal OK!*	*Cal OK!*					*Cal OK!*	*Cal OK!*				
Blank			1.0037	1.0036			0.00		1.0038	1.0036	OK	0.00		
JQ52 A2		6.1272	1.0069	3.7531			2.75	53.6%						
JQ52 B2		6.7139	1.0148	4.4862			3.47	60.9%						
JQ52 C2		6.2767	0.9923	3.6399			2.65	50.1%						
JQ52 C2 dup		6.1925	0.9822	3.5866			2.60	50.0%						
							RPD =	0.23%				RPD =	NA	
JQ52 C2 trp		6.1458	1.0093	3.5697			2.56	49.8%						
							RSD =	0.26%				RSD =	NA	
JQ52 D2		6.2736	1.0356	5.3834			4.35	83.0%						
JQ28 A1		6.7589	1.0379	5.4131			4.38	76.5%	5.3699	5.3658	OK	4.33	10,811	1.08%
JQ28 A1 dup		6.3624	1.0174	5.0879			4.07	76.2%	5.0443	5.0412	OK	4.02	11,473	1.15%
							RPD =	0.42%				RPD =	5.94%	
JQ28 A1 trp		6.4534	1.0245	5.1264			4.10	75.6%	5.0823	5.0776	OK	4.05	11,897	1.19%
							RSD =	0.61%				RSD =	4.80%	

0876

(I) (W) 7-27-06

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 7-26-06

ANALYST: (W)

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

Batch drying time	TS (%) calculated as:	TVS (mg/kg dry wt) calculated as:
record times as mm/dd/yy hh:mm	Final dry wt (g) = (Dry Wt - Tare Wt)	Final ash wt (g) = (min ash wt - tare wt)
7-26-06 (W) time in oven 14:18	TS = (Final Dry Wt)/ (grams Sample-Tare)	TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000
7-27-06 (W) time out 9:18		if ash wt > dry wt, "Chk for Err"
elapsed hrs = 0.0 < 12 hr		if dry wt-ash wt < 0.001 g, "< (1/dry wt)*1,000,000

SAMPLE ID	DISH #	SAMPLE (grams)	TARE WT (grams)	DRY WT 104C (grams) 1			dry Wt (g)	TS (%)	ASH WT 550C (grams) 1	2	3	Ash Wt (g)	TVS (mg/kg)	TVS (%)
Cal Date -->		7-26-06	7-26-06	7-27-06					7-27-06	7-27-06				
Time & Initials -->		1354 (W)	13:36 (W)	9:36 (W)					16:34 (W)	11:22 (W)				
Cal Wt (g) 10.0000		9.9996	9.9996	9.9998					9.9998	9.9996				
record weights to 4 places														
Blank	1	0	1.0037	1.0036					1.0038	1.0036				
JQ52 A2	2	6.1272	1.0069	1.00	3.7531									
B2	3	6.7139	1.0148	4.4862										
C2	4	6.2761	0.9923	3.6399										
DPC2	5	6.1925	0.9822	3.5866										
LPC2	6	6.458	1.0093	3.5697										
D2	7	6.2736	1.0356	5.3834										
JQ28 A1	8	6.7589	1.0379	5.4131					5.3699	5.3658				
DA1	9	6.3624	1.0174	5.08 (I)	5.0879				5.0443	5.0412				
HA1	10	6.4534	1.0245	5.1264					5.0823	5.0776				

7-26-06 (W)

0077

LW
7-27-06

JQ52

TOC Solids Prep Log

DATE: 7/26/2006
ANALYST: KE 17:20 DP

acid purging to remove IC and drying at 70°C for TOC analysis
General notes regarding prep method and samples (identify the acid used)

make no entry to shaded cells, they are calculated

Sample ID		IC Test	Gravimetric Data (grams)			%	*Sample description & notes*
ARI #	Client	+ / -	Tare Wt.	Wet wt.	70°C dry wt	Solids	*(homogeneity and exclusions)*
Blank			13.1482		13.1480	-0.2 mg	
JQ52 A2		-	13.0151	18.3631	16.0612	56.96%	
JQ52 B2		-	13.0483	18.5651	16.5722	63.88%	
JQ52 C2		-	13.1796	18.7802	16.1447	52.94%	
JQ52 C2 DUP		-	12.9843	18.7585	16.0376	52.88%	
JQ52 C2 TRIP		-	13.1243	18.9017	16.1751	52.81%	
JQ52 D2		+-	13.0455	18.4302	17.8862	89.90%	
JQ36 A2		-	13.0146	18.3115	15.9454	55.33%	
JQ36 A2 DUP		-	13.0989	18.2204	15.9737	56.13%	
JQ36 A2 TRIP		-	13.1469	18.4301	16.0927	55.76%	

0878

(D)(W) 7-26-06

TOC Solids Prep Log

DATE: 7-26-06
ANALYST: (W) TM

acid purging to remove IC and drying at 70°C for TOC analysis
General notes regarding prep method and samples (identify the acid used)

make no entry to shaded cells, they are calculated

Sample ID ARI #	Sample ID Client	IC Test +/-	Gravimetric Data (grams) Tare Wt.	Wet wt.	70°C dry wt	% Solids	Sample description & notes (homogeneity and exclusions)
Blank			13.1482	0	13.1480		
JQ52 A2		-	13.0151	18.3631	16.0612		Sediment
B2		-	13.0483	18.5661	16.5722		
C2		-	13.1796	18.7802	~~16.0362~~	16.1447	
DPC2		-	12.9843	18.7585	~~17.7861~~	~~17.8861~~ 16.0376	
HPC2		-	13.1243	18.9017	~~17.880~~	16.1751	
D2		+-	13.0455	18.4302	17.8862		Sand Sediment
JQ36 A2		-	13.0146	18.3115	15.9454		
DPA2		-	13.0989	18.2204	15.9737		
HPA2		-	13.1469	18.4301	16.0927		

7-26-06 (W)

(D) 7/27/06

(4)
7-27-06

JQ52

TOC, Solids Data Analysis

Mode: NPOC *Inlet:* Boat

Spike Std = 2,000 *ppm C*

DATE: 7/27/2006

ANALYST: DAP / KE 10:10

Calibration Data

Calibration Standard			Source:	ARI # 0060-4			Conc:	2,000 ppm
	Observed Values (µg/g)					mean	*Cal Factor*	
	1,620	1,638	1,625			1,628	*1.229*	
Verification Standard			Source:	ERA32-44AS			Conc:	5,000 ppm
	ICV	CCV	CCV	CCV	CCV	*mean*	*% Rec*	
	4,983	5,070	5,356			*5,136*	*102.7%*	
Standard Reference Material			Source:	***NIST 8704***			Conc:	**33,510** ppm

Blank Data

System Blanks (enter "observed C")

Replicate determinations					Mean	condition
17.29	18.91	22.46			19.55	OK !

Silica Blanks (enter "corrected C" at end of run)

Replicate determinations					Mean	condition

Historical Blank Limits

mean	*stdev*
17.8	7.23
updated	*9/27/2005*
LBL	-3.9
UBL	39.5

Sample Data *(Entered data must match the Dohrmann output report !)*

"Corrected C" (no dilution) = "Observed C" - Mean Blank

*"Corrected C" (with dilution) = ("Observed C" - (Mean silica Blank * %Silica)) * Dilution Factor*

Sample ID	Dilution Data: Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	Spike (µL Std)	Combustion Data: Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
ICV				1.00		10.0	5003	4,983	*99.67%*
Blank				1.00		10.0	17.29		*Blank OK*
NIST 8704				1.00		3.3	31640	31,620	*94.36%*
JQ52 A2				1.00		3.1	15240	15,220	*Range OK!*
~~JQ52 B2~~			-	~~1.00~~		~~3.4~~	~~0~~	~~-20~~	~~*Low Scale*~~
JQ52 B2				1.00		3.3	17340	17,320	*Range OK!*
JQ52 C2				1.00		3.1	16520	16,500	*Range OK!*
JQ52 C2 dup				1.00		2.9	17400	17,380	*RPD=5.2%*
JQ52 C2 trp				1.00		3.2	15070	15,050	*RSD=7.2%*
JQ52 C2 ms				1.00	10	1.1	33760	33,740	*Range OK!*
Spike =	*0.02*	*mg C to*	*1.1*	*mg samp=*	*18,182*	*ppm*		*95%*	
JQ52 D2				1.00		2.6	1223	1,203	*Range OK!*
CCV				1.00		10.0	5090	5,070	*101.41%*
Blank				1.00		10.0	18.91		*Blank OK*
JQ36 A2				1.00		3.1	15480	15,460	*Range OK!*
JQ36 A2 dup				1.00		3.2	17160	17,140	*RPD=10.3%*
JQ36 A2 trp				1.00		3.4	14910	14,890	*RSD=7.4%*
JQ36 A2 ms				1.00	10	1.2	33680	33,660	*Range OK!*
Spike =	*0.02*	*mg C to*	*1.2*	*mg samp=*	*16,667*	*ppm*		*109%*	
NIST 8704				1.00		3.2	30290	30,270	*90.33%*
CCV				1.00		10.0	5376	5,356	*107.13%*
Blank				1.00		10.0	22.46		*Blank OK*

7/27/06 (W) 10:10 Page 1 of 1

Analytical Resources, Incorporated
Analytical Chemists and Consultants

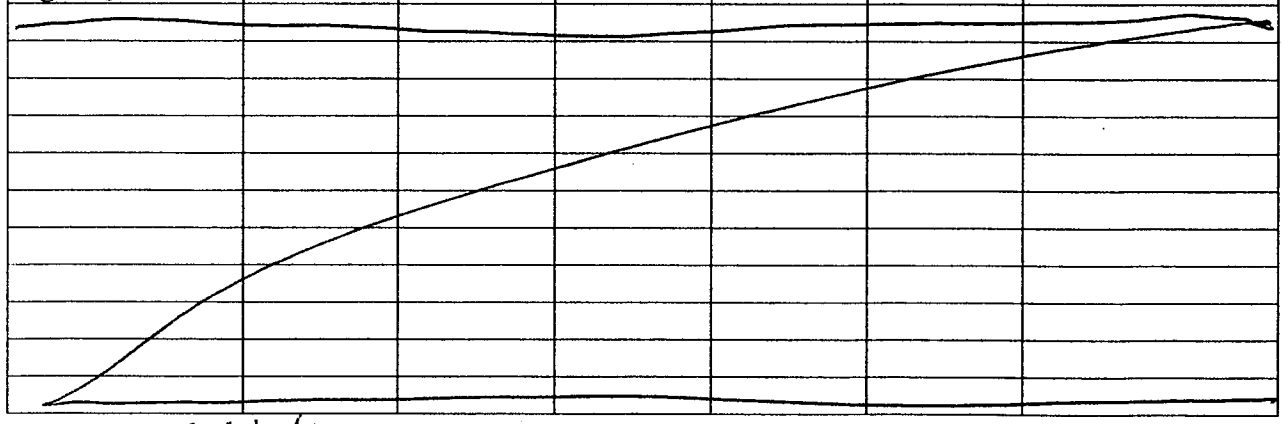
TOC Solids Sample Run Log

Set-Up Parameters MODE:	NPOC	INLET:	BOAT

Standards:	Source	Conc (ppm)
Calibration:	ARI 0060-4	2000
Verification:	SPEX 32-44AS	5000
SRM:	NBS 8704	33510

Sample Sequence:

Sample ID	Dilution Data (mg)		Burn Wt	Matrix Spike Data		Comments
	Sample	+ Silica Gel	mg	mg/L	µL added	
CAL@2000			25			
ICV			10			
ICB			10			
NBS 8704			3.3			
JQ52A2			3.1			
~~JQ52~~ B2			3.4			NO PEAK
~~JQ52~~ B2			3.3			
~~JQ52~~ C2			3.1			
C2DUP			2.9			
C2TRP			3.2			
C2MS			1.10	2000	10	
D2			2.6			
CCV			10			
CCB			10			
JQ36A2			3.1			
A2DUP			3.2			
A2TRP			3.4			
A2MS			1.2	2000	10	
~~CCV~~ NBS8704			~~10~~ 3.2			
CCV			10			
CCB			10			



DRM 7/27/06

W 7/27/06

Operating Parameters

Analysis set-up 1
NPOC Analysis
Boat mode
Sample size 25.
Calibration factor 1.
System blank 0.
Std. concentration =2000.
Sample mass (mg) = 25.
1. NPOC = 1730. ug/g
Sample mass (mg) = 25.
2. NPOC = 1614. ug/g
Sample mass (mg) = 25.
3. NPOC = 1620. ug/g
Sample mass (mg) = 25.
4. NPOC = 1638. ug/g
Sample mass (mg) = 25.
5. NPOC = 1625. ug/g
AVG NPOC = 1645. +/- 48.21 % std dev: 2.93
10:45:10 Thu Jul 27, 2006
Repeat number 1 omitted:
Repeat number 2 omitted:

AVG NPOC = 1627. +/- 9.46 % std dev: 0.581
Calibration update:
Calibration factor 1.229
System blank 0.
Sample mass (mg) = 10.
1. NPOC = 5003. ug/g
10:58:32 Thu Jul 27, 2006
Sample mass (mg) = 10.
1. NPOC = 17.29 ug/g
11:49:30 Thu Jul 27, 2006
Sample mass (mg) = 3.3
1. NPOC = 31640. ug/g
11:55:25 Thu Jul 27, 2006
Sample mass (mg) = 3.1
1. NPOC = 15240. ug/g
12:00:49 Thu Jul 27, 2006
Sample mass (mg) = 3.4
1. NPOC = 0. ug/g No Peak!!
13:21:09 Thu Jul 27, 2006
Sample mass (mg) = 3.3
1. NPOC = 17340. ug/g
13:31:26 Thu Jul 27, 2006
Sample mass (mg) = 3.1
1. NPOC = 16520. ug/g
13:44:28 Thu Jul 27, 2006
Sample mass (mg) = 2.9
1. NPOC = 17400. ug/g
13:55:45 Thu Jul 27, 2006
Sample mass (mg) = 3.2
1. NPOC = 15070. ug/g
14:06:30 Thu Jul 27, 2006
Sample mass (mg) = 1.1
1. NPOC = 33760. ug/g
14:42:43 Thu Jul 27, 2006
Sample mass (mg) = 2.6
1. NPOC = 1223. ug/g
14:44:57 Thu Jul 27, 2006
Sample mass (mg) = 10.

14:53:47 Thu Jul 27, 2006
Sample mass (mg) = 10.
1. NPOC = 18.91 ug/g
14:59:46 Thu Jul 27, 2006
Sample mass (mg) = 3.1
1. NPOC = 15480. ug/g
15:04:37 Thu Jul 27, 2006
Sample mass (mg) = 3.2
1. NPOC = 17160. ug/g
15:09:02 Thu Jul 27, 2006
Sample mass (mg) = 3.4
1. NPOC = 14910. ug/g
15:17:28 Thu Jul 27, 2006
Sample mass (mg) = 1.2
1. NPOC = 33680. ug/g
15:22:13 Thu Jul 27, 2006
Sample mass (mg) = 3.2
1. NPOC = 30290. ug/g
15:26:42 Thu Jul 27, 2006
Sample mass (mg) = 10.
1. NPOC = 5376. ug/g
15:33:21 Thu Jul 27, 2006
Sample mass (mg) = 10.
1. NPOC = 22.46 ug/g
15:45:00 Thu Jul 27, 2006