SIM Semivolatile Analysis
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

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

Date : 04-AUG-2006 09:53

Client ID:

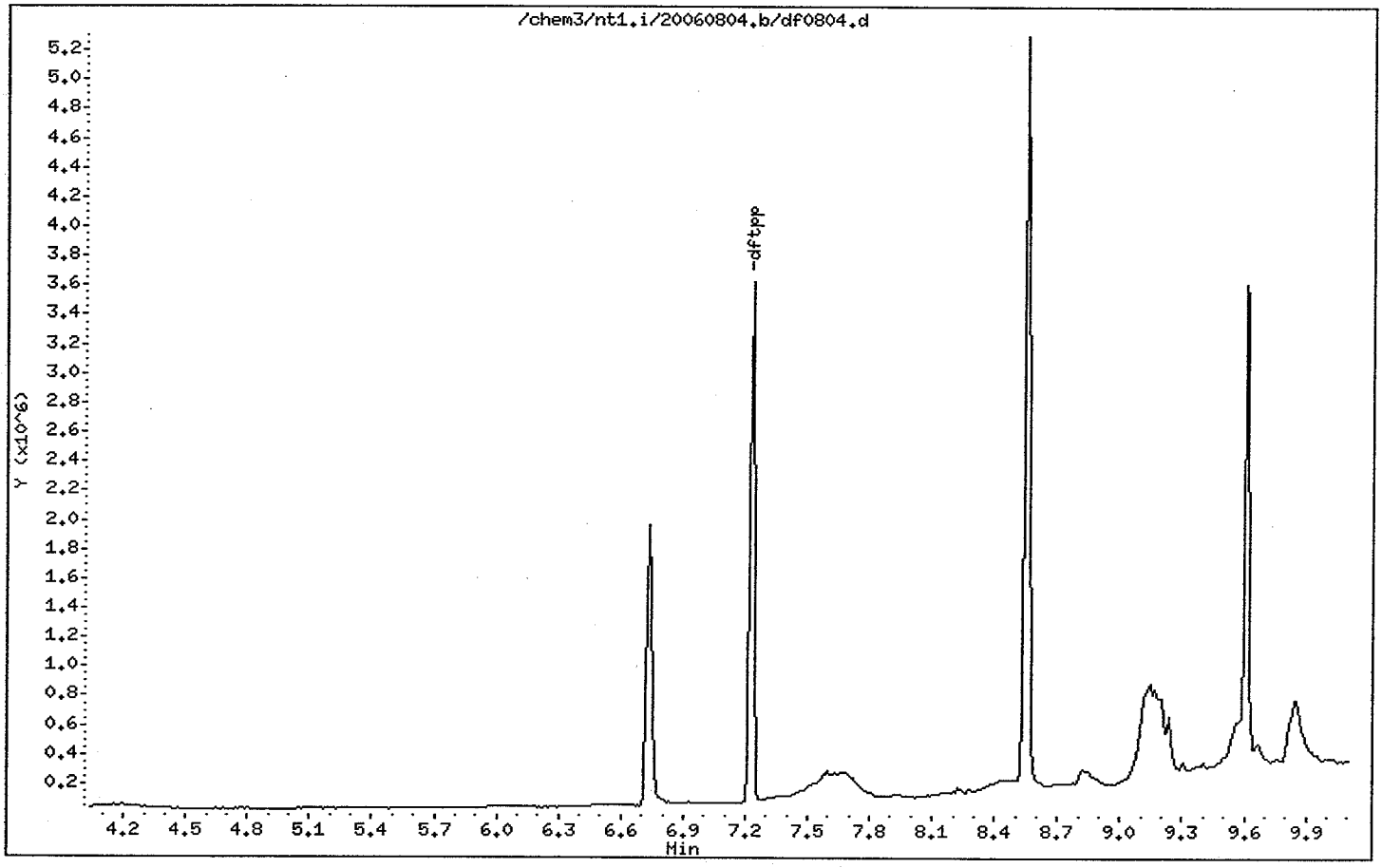
Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25



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

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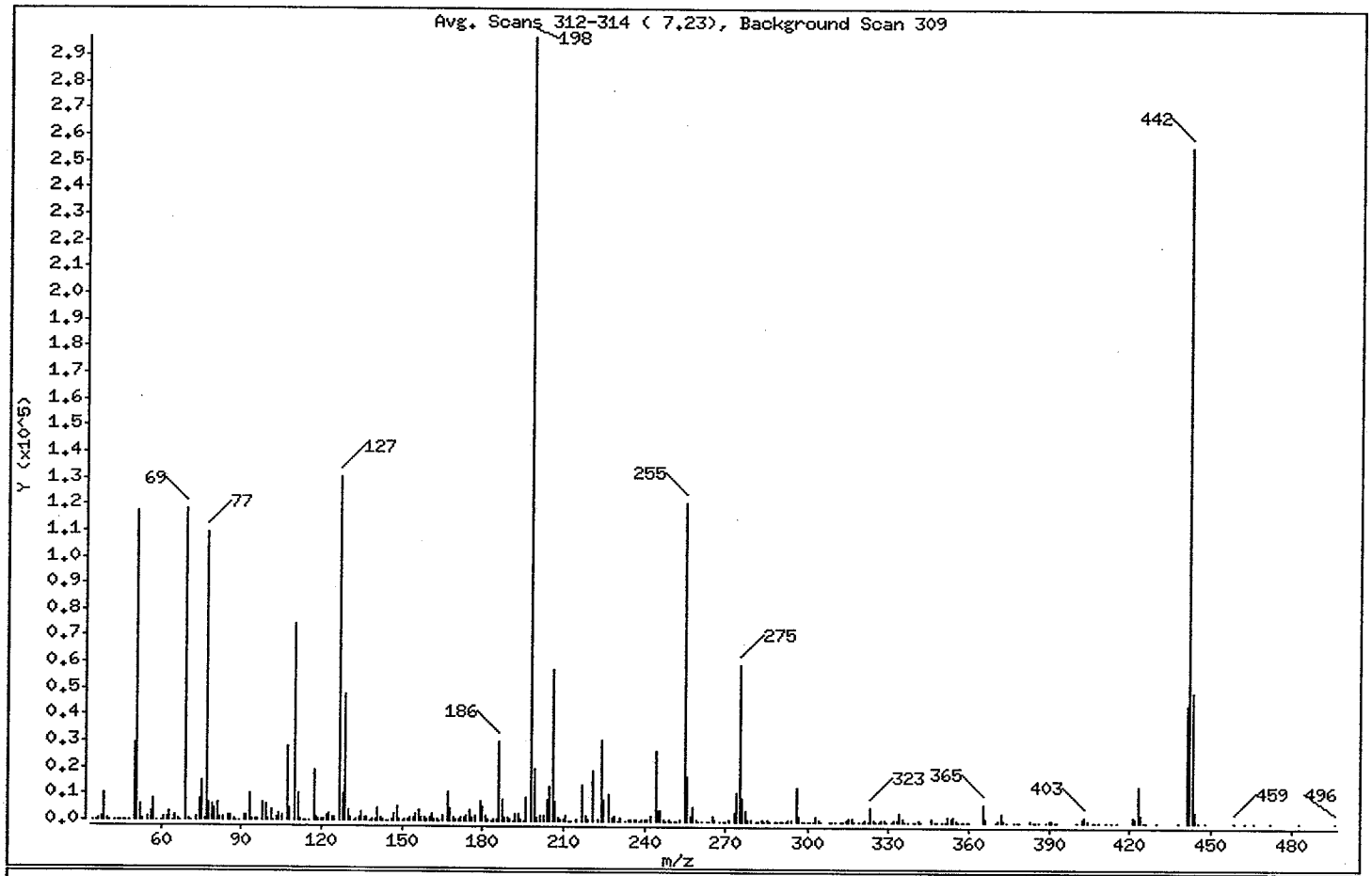
Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	39.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.68
70	Less than 2.00% of mass 69	0.16 (0.41)
127	25.00 - 75.00% of mass 198	43.90
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	20.06
365	Greater than 0.75% of mass 198	2.25
441	Present, but less than mass 443	15.05
442	40.00 - 110.00% of mass 198	86.30
443	15.00 - 24.00% of mass 442	16.57 (19.20)

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

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

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

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

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

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

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

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

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

Date : 04-AUG-2006 09:53

Client ID:

Instrument: nt1.i

Sample Info: DF0804

Operator: LJR

Column phase: ZB-5

Column diameter: 0.25

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

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

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

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

ARI ID: DF0804
Misc:
Instrument: nt1.i

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

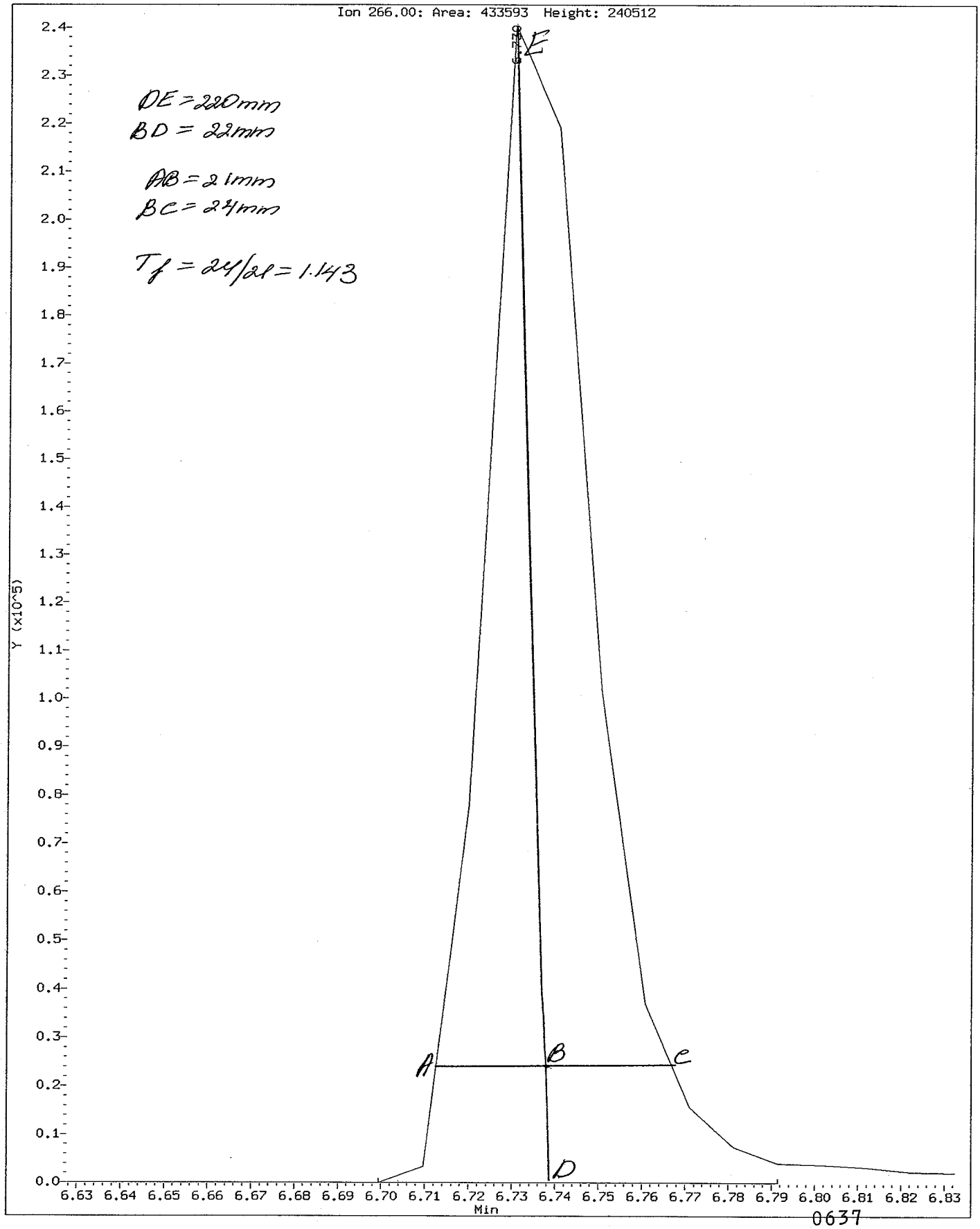
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

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

DDT Percent Breakdown = 7.5 %

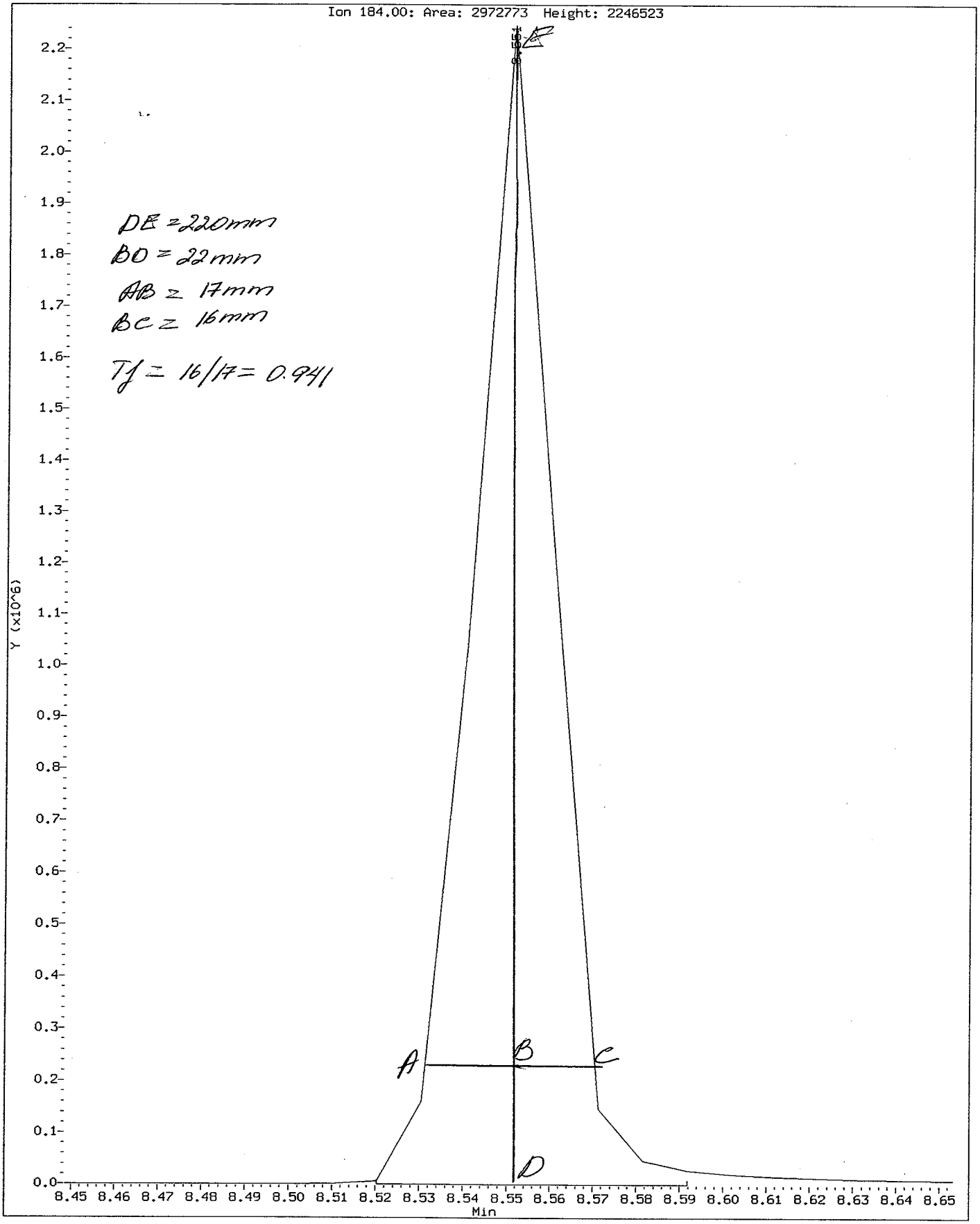
Data File: /chem3/nt1.i/20060804.b/ddt.b/df0804.d
Injection Date: 04-AUG-2006 09:53
Instrument: nt1.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



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

Compound: Benzidine
CAS Number:



Data File: /chem3/nt1.i/20060809.b/df0809.d

Date : 09-AUG-2006 07:32

Client ID:

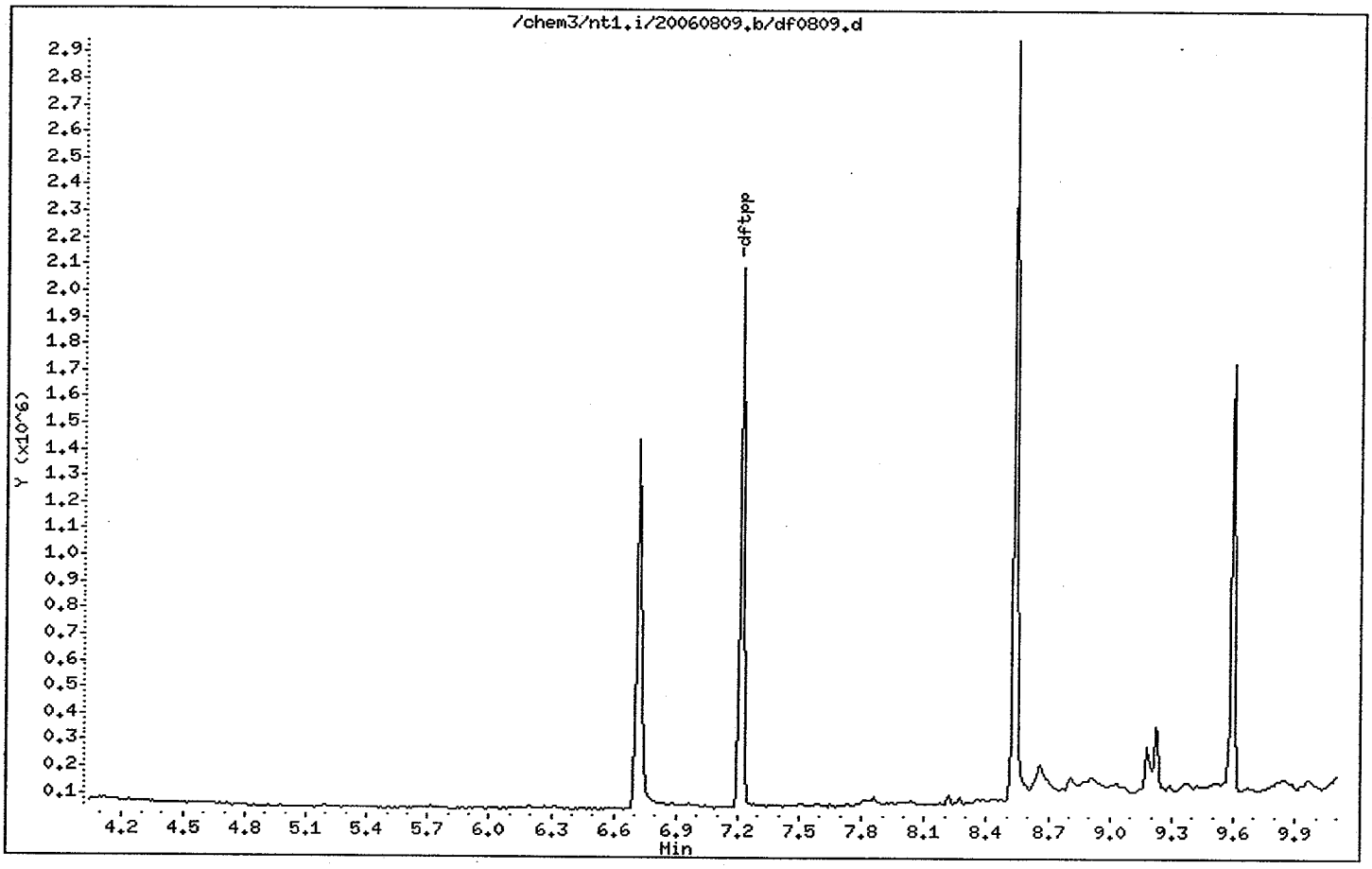
Instrument: nt1.i

Sample Info: DF0809

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060809.b/df0809.d

Date : 09-AUG-2006 07:32

Client ID:

Instrument: nt1.i

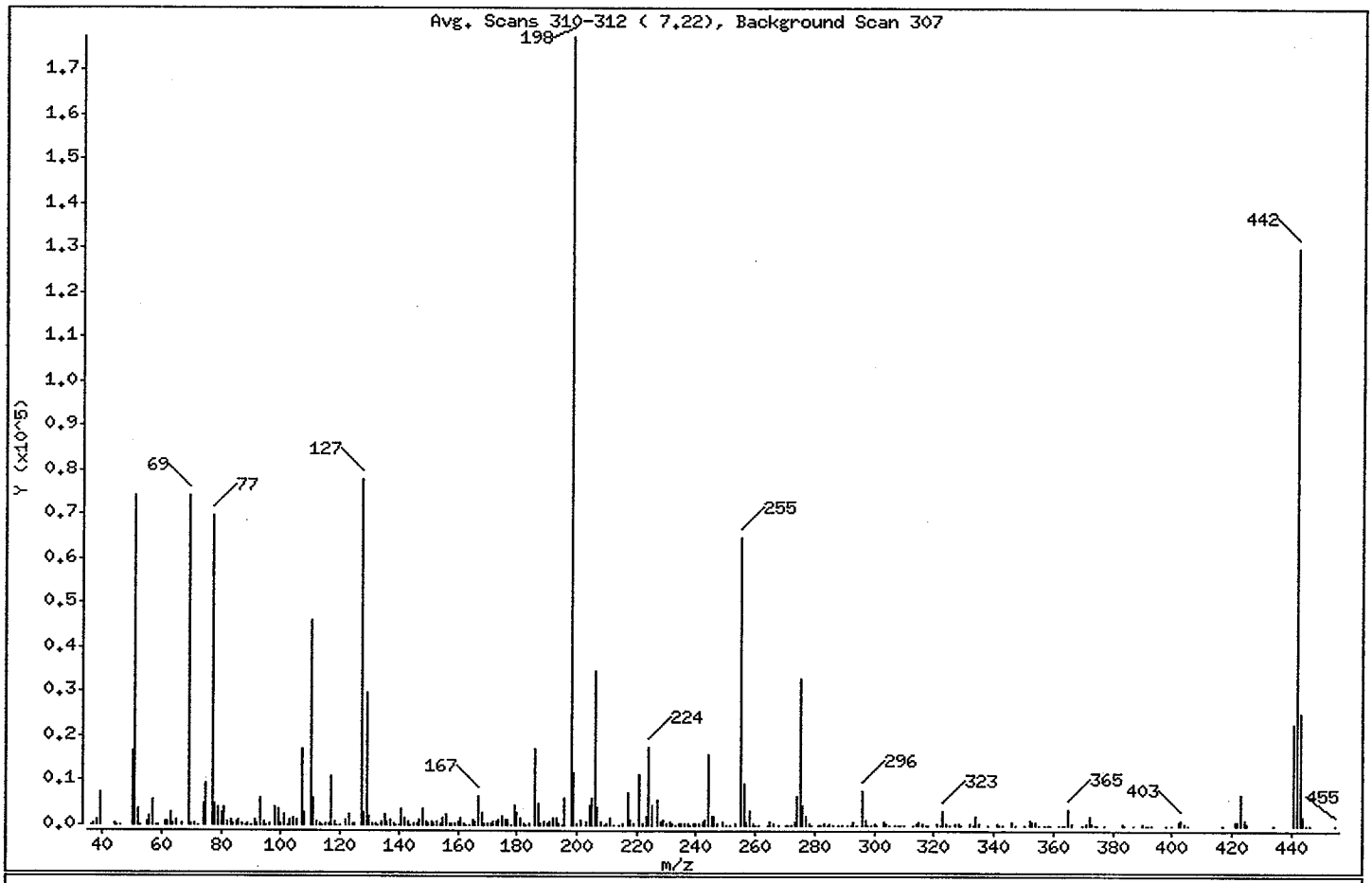
Sample Info: DF0809

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.91
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.92
70	Less than 2.00% of mass 69	0.11 (0.27)
127	25.00 - 75.00% of mass 198	43.85
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 30.00% of mass 198	18.67
365	Greater than 0.75% of mass 198	2.10
441	Present, but less than mass 443	12.83
442	40.00 - 110.00% of mass 198	73.33
443	15.00 - 24.00% of mass 442	14.16 (19.31)

Data File: /chem3/nt1.i/20060809.b/df0809.d

Date : 09-AUG-2006 07:32

Client ID:

Instrument: nt1.i

Sample Info: DF0809

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0809.d
Spectrum: Avg. Scans 310-312 (7.22), Background Scan 307
Location of Maximum: 198.00
Number of points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3	132.00	319	214.00	36	308.00	156
37.00	267	133.00	49	215.00	226	309.00	112
38.00	1171	134.00	974	217.00	7405	310.00	83
39.00	7180	135.00	2288	218.00	1226	313.00	143
44.00	280	136.00	820	219.00	286	314.00	560
45.00	98	137.00	1034	221.00	11408	315.00	752
46.00	32	138.00	290	222.00	443	316.00	585
50.00	16896	139.00	7	223.00	1885	317.00	68
51.00	74376	140.00	95	224.00	17712	318.00	34
52.00	3555	141.00	3553	225.00	4528	321.00	288
53.00	86	142.00	1654	227.00	5842	322.00	129
55.00	819	143.00	848	228.00	989	323.00	3337
56.00	1959	144.00	39	229.00	1357	324.00	474
57.00	5512	145.00	547	230.00	286	325.00	95
58.00	179	146.00	584	231.00	663	327.00	525
59.00	14	147.00	1323	232.00	243	328.00	226
61.00	671	148.00	3759	233.00	108	329.00	98
62.00	621	149.00	680	234.00	360	332.00	297
63.00	2683	150.00	288	235.00	370	333.00	197
64.00	265	151.00	700	236.00	313	334.00	1951
65.00	1098	152.00	260	237.00	351	335.00	491
67.00	232	153.00	1009	238.00	65	338.00	37
69.00	74408	154.00	515	239.00	319	341.00	484
70.00	204	155.00	1705	240.00	208	342.00	174
71.00	348	156.00	2559	241.00	361	343.00	57
72.00	18	157.00	584	242.00	683	346.00	661
74.00	4964	158.00	505	243.00	1032	347.00	110
75.00	9263	159.00	338	244.00	15728	350.00	36
77.00	69656	160.00	879	245.00	2229	352.00	1193
78.00	5003	161.00	1494	246.00	2053	353.00	752
79.00	4137	162.00	466	247.00	502	354.00	1010
80.00	2826	163.00	195	249.00	628	355.00	172
81.00	3982	164.00	161	250.00	147	357.00	50
82.00	806	165.00	1247	251.00	37	358.00	39
83.00	1127	166.00	947	253.00	256	359.00	40

Data File: /chem3/nt1.i/20060809.b/df0809.d

Date : 09-AUG-2006 07:32

Client ID:

Instrument: nt1.i

Sample Info: DF0809

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0809.d
Spectrum: Avg. Scans 310-312 (7.22), Background Scan 307
Location of Maximum: 198.00
Number of points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	226	167.00	6655	255.00	64920	362.00	44
85.00	929	168.00	2781	256.00	9331	363.00	38
86.00	1167	169.00	348	257.00	651	364.00	62
87.00	487	170.00	398	258.00	3349	365.00	3720
88.00	132	171.00	219	259.00	571	366.00	503
89.00	259	172.00	614	260.00	121	370.00	132
90.00	67	173.00	705	261.00	138	371.00	219
91.00	1134	174.00	1211	264.00	69	372.00	1861
92.00	351	175.00	2173	265.00	711	373.00	454
93.00	6195	176.00	1095	266.00	457	374.00	81
94.00	693	177.00	1115	268.00	44	375.00	43
95.00	80	178.00	95	270.00	136	377.00	43
96.00	447	179.00	4513	271.00	160	383.00	496
98.00	4135	180.00	2990	272.00	134	384.00	115
99.00	3793	181.00	1524	273.00	988	387.00	35
100.00	361	182.00	229	274.00	6645	390.00	245
101.00	2357	183.00	110	275.00	33136	391.00	127
102.00	56	184.00	554	276.00	4456	392.00	166
103.00	1054	186.00	17336	277.00	2102	393.00	34
104.00	1566	187.00	4712	278.00	296	398.00	44
105.00	1069	188.00	601	279.00	57	400.00	87
107.00	16952	189.00	869	281.00	137	402.00	861
108.00	2927	190.00	274	282.00	177	403.00	1036
110.00	46304	191.00	673	283.00	273	404.00	350
111.00	6246	192.00	1617	284.00	109	405.00	41
112.00	834	193.00	1613	285.00	309	417.00	34
113.00	328	194.00	219	286.00	81	421.00	823
114.00	152	195.00	128	288.00	42	422.00	993
115.00	289	196.00	6015	289.00	149	423.00	7052
116.00	364	198.00	177472	291.00	143	424.00	1278
117.00	10893	199.00	11708	292.00	41	425.00	209
118.00	784	200.00	576	293.00	687	434.00	48
119.00	115	201.00	1425	294.00	63	441.00	22760
120.00	103	203.00	753	296.00	7725	442.00	130144
122.00	1300	204.00	4431	297.00	1105	443.00	25128

Data File: /chem3/nt1.i/20060809.b/df0809.d

Date : 09-AUG-2006 07:32

Client ID:

Instrument: nt1.i

Sample Info: DF0809

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0809.d
Spectrum: Avg. Scans 310-312 (7.22), Background Scan 307
Location of Maximum: 198.00
Number of points: 308

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	2408	205.00	6185	298.00	120	444.00	2026
124.00	584	206.00	34504	299.00	56	445.00	80
125.00	535	207.00	4121	300.00	252	446.00	41
127.00	77816	208.00	818	301.00	28	455.00	38
128.00	3027	209.00	157	303.00	943		
129.00	29832	210.00	562	304.00	257		
130.00	1966	211.00	1659	305.00	81		
131.00	257	212.00	46	307.00	42		

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

Date : 10-AUG-2006 13:08

Client ID:

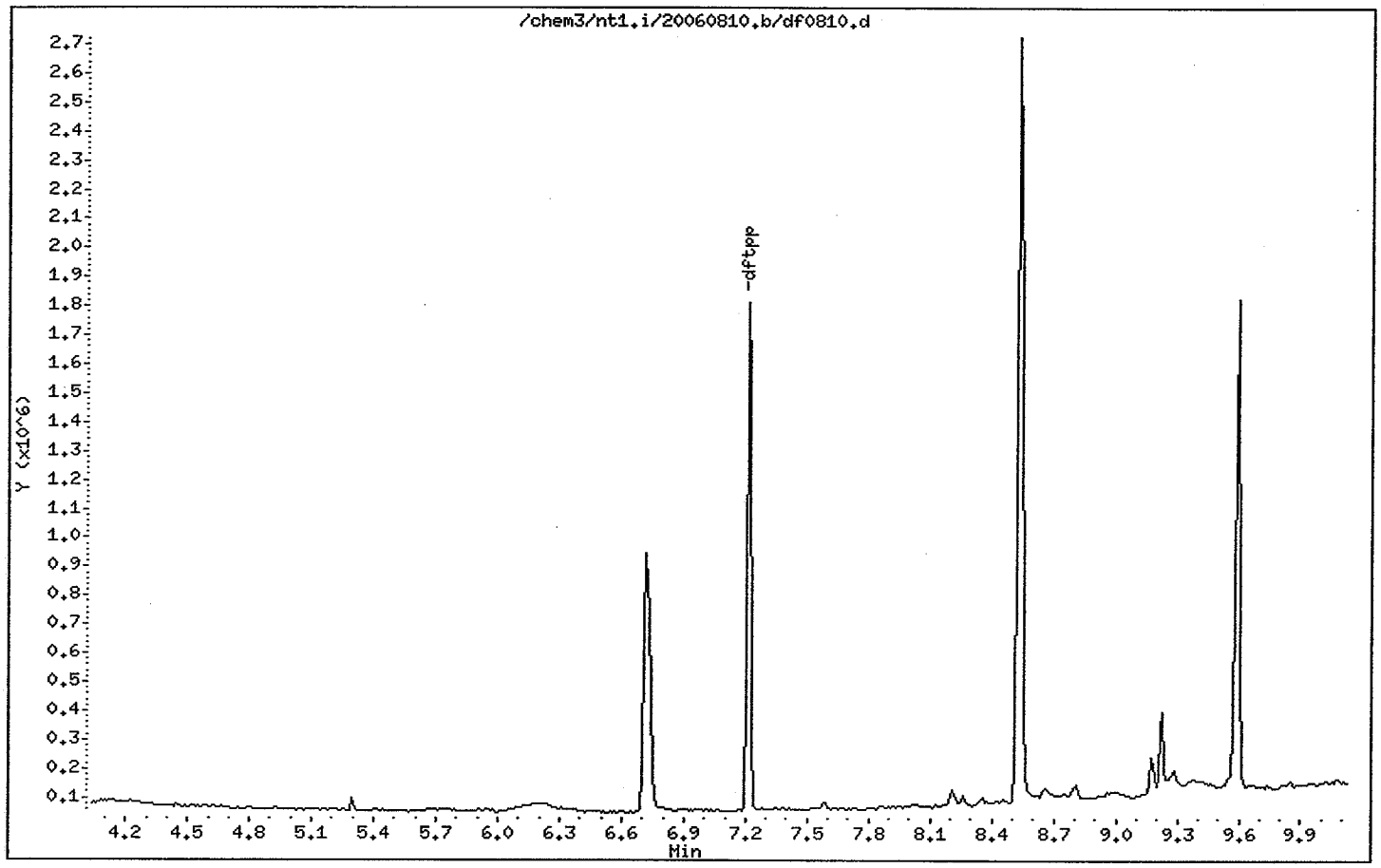
Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25



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

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

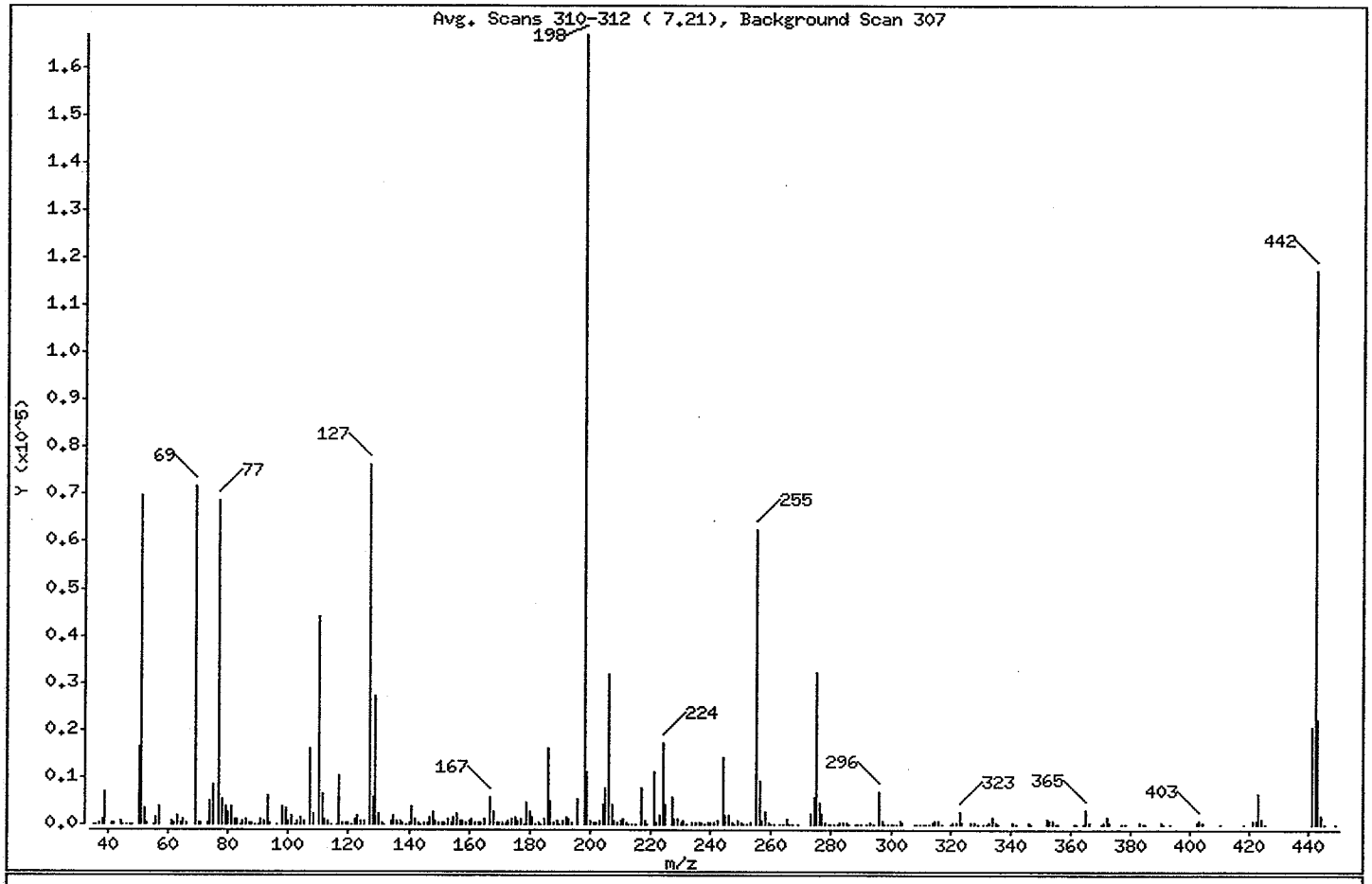
Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.73
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.91
70	Less than 2.00% of mass 69	0.32 (0.74)
127	25.00 - 75.00% of mass 198	45.66
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.74
275	10.00 - 30.00% of mass 198	19.35
365	Greater than 0.75% of mass 198	1.83
441	Present, but less than mass 443	12.51
442	40.00 - 110.00% of mass 198	70.22
443	15.00 - 24.00% of mass 442	13.34 (19.00)

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

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

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

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

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

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

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

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

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

Date : 10-AUG-2006 13:08

Client ID:

Instrument: nt1.i

Sample Info: DF0810

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

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

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

Data File: /chem3/nt1.i/20060814.b/df0814.d

Date : 14-AUG-2006 07:58

Client ID:

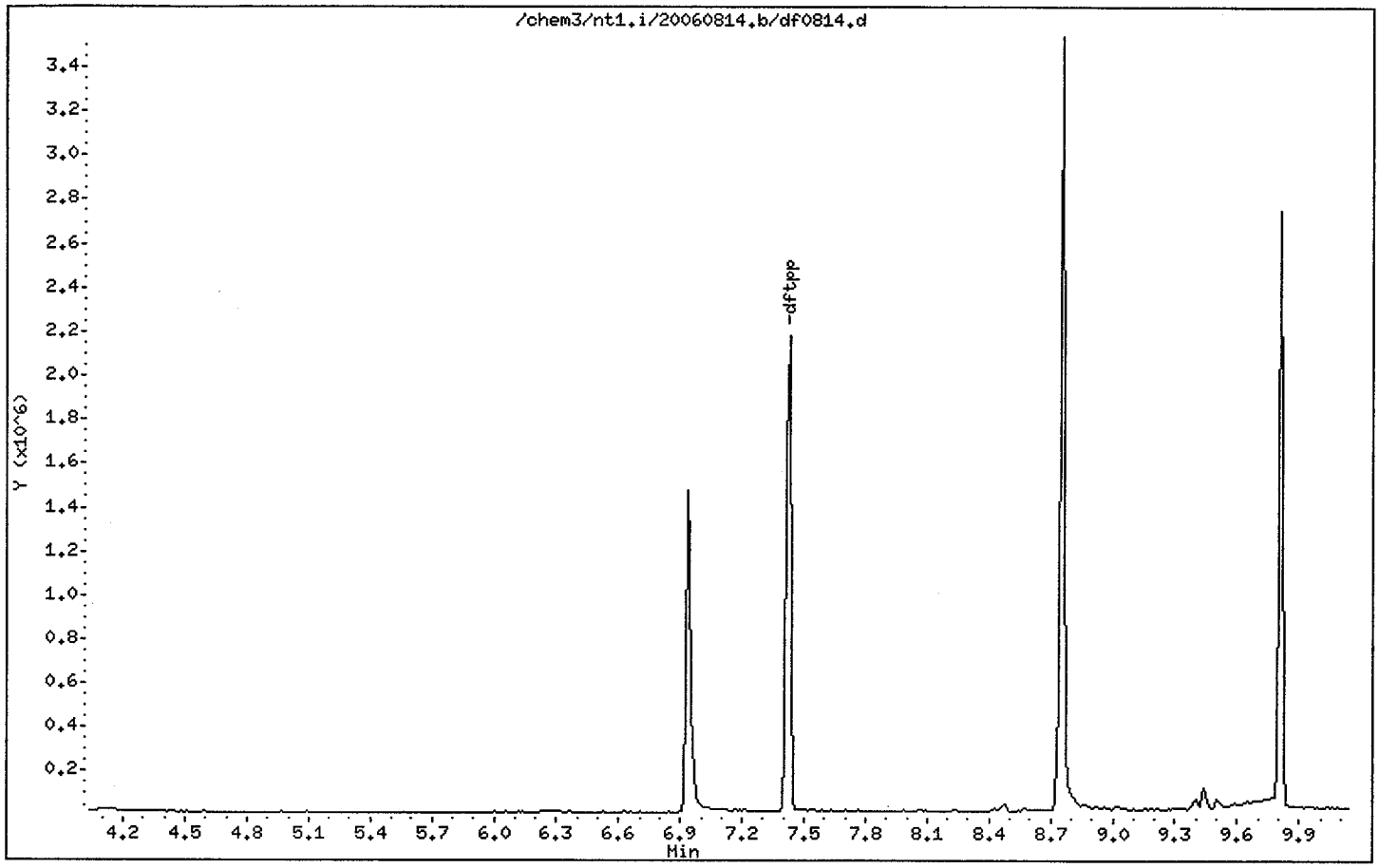
Instrument: nt1.i

Sample Info: DF0814

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25



Data File: /chem3/nt1.i/20060814.b/df0814.d

Date : 14-AUG-2006 07:58

Client ID:

Instrument: nt1.i

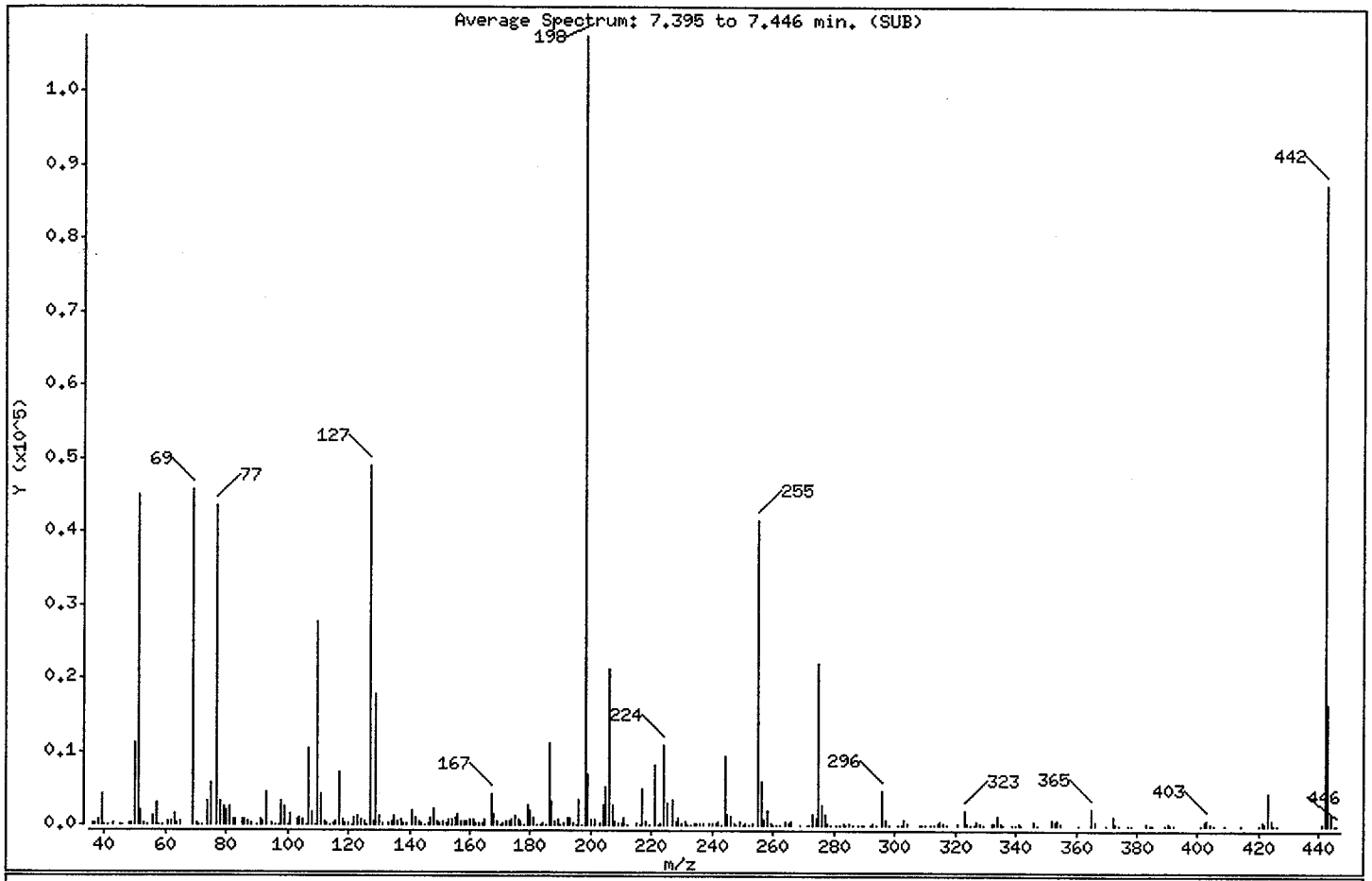
Sample Info: DF0814

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	41.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	42.64
70	Less than 2.00% of mass 69	0.16 (0.38)
127	25.00 - 75.00% of mass 198	45.49
197	Less than 1.00% of mass 198	0.02
199	5.00 - 9.00% of mass 198	6.46
275	10.00 - 30.00% of mass 198	20.44
365	Greater than 0.75% of mass 198	2.12
441	Present, but less than mass 443	0.19
442	40.00 - 110.00% of mass 198	81.49
443	15.00 - 24.00% of mass 442	15.49 (19.01)

Data File: /chem3/nt1.i/20060814.b/df0814.d

Date : 14-AUG-2006 07:58

Client ID:

Instrument: nt1.i

Sample Info: DF0814

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0814.d
Spectrum: Average Spectrum: 7.395 to 7.446 min. (SUB)
Location of Maximum: 198.00
Number of points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	187	126.00	17	206.00	21168	296.00	4717
37.00	254	127.00	48880	207.00	2805	297.00	631
38.00	712	128.00	455	208.00	603	298.00	47
39.00	4242	129.00	17720	209.00	207	301.00	76
40.00	24	130.00	1261	210.00	307	302.00	118
41.00	92	131.00	310	211.00	1091	303.00	640
43.00	195	133.00	224	212.00	29	304.00	134
45.00	75	134.00	453	215.00	213	308.00	82
46.00	17	135.00	1319	216.00	18	309.00	51
48.00	151	136.00	424	217.00	4973	310.00	43
49.00	226	137.00	623	218.00	573	312.00	34
50.00	10999	138.00	202	219.00	84	313.00	76
51.00	44904	139.00	129	221.00	8029	314.00	298
52.00	2007	141.00	2005	222.00	23	315.00	609
53.00	184	142.00	868	223.00	153	316.00	369
54.00	59	143.00	530	224.00	10881	317.00	90
56.00	1199	144.00	137	225.00	3017	321.00	205
57.00	2852	145.00	50	227.00	3542	323.00	1976
58.00	100	146.00	362	228.00	468	324.00	309
59.00	34	147.00	921	229.00	866	325.00	53
61.00	388	148.00	2139	230.00	202	326.00	63
62.00	469	149.00	403	231.00	408	327.00	382
63.00	1536	150.00	203	232.00	76	328.00	204
64.00	309	151.00	440	233.00	72	329.00	24
65.00	549	152.00	230	234.00	302	332.00	129
69.00	45824	153.00	675	235.00	143	333.00	167
70.00	172	154.00	628	236.00	166	334.00	1158
71.00	112	155.00	1058	237.00	226	335.00	213
72.00	56	156.00	1591	239.00	203	336.00	30
74.00	3185	157.00	464	240.00	156	339.00	19
75.00	5800	158.00	380	241.00	248	340.00	42
77.00	43568	159.00	430	242.00	534	341.00	243
78.00	3322	160.00	692	243.00	28	342.00	86
79.00	2378	161.00	811	244.00	9270	346.00	389
80.00	1906	162.00	326	245.00	1381	347.00	116

Data File: /chem3/nt1.i/20060814.b/df0814.d

Date : 14-AUG-2006 07:58

Client ID:

Instrument: nt1.i

Sample Info: DF0814

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0814.d
Spectrum: Average Spectrum: 7.395 to 7.446 min. (SUB)
Location of Maximum: 198.00
Number of points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2432	163.00	139	246.00	1336	352.00	632
82.00	680	164.00	170	247.00	252	353.00	416
83.00	752	165.00	742	248.00	54	354.00	667
85.00	789	167.00	4182	249.00	382	355.00	170
86.00	769	168.00	1550	250.00	65	361.00	17
87.00	438	169.00	501	251.00	160	365.00	2277
88.00	158	170.00	98	252.00	89	366.00	427
90.00	37	171.00	226	253.00	195	370.00	122
91.00	732	172.00	432	255.00	41400	372.00	1268
92.00	576	173.00	495	256.00	5954	373.00	258
93.00	4376	174.00	783	257.00	685	374.00	51
95.00	328	175.00	1265	258.00	2068	377.00	17
96.00	110	176.00	639	259.00	356	378.00	21
97.00	60	177.00	566	260.00	115	383.00	229
98.00	3168	178.00	36	261.00	60	384.00	24
99.00	2380	179.00	2805	262.00	40	385.00	21
100.00	121	180.00	1921	264.00	373	389.00	43
101.00	1528	181.00	961	265.00	293	390.00	151
103.00	728	182.00	114	266.00	438	391.00	81
104.00	949	183.00	21	269.00	37	392.00	99
105.00	790	184.00	177	271.00	86	401.00	56
106.00	24	185.00	60	272.00	35	402.00	533
107.00	10419	186.00	11022	273.00	1391	403.00	659
108.00	1748	187.00	3177	274.00	1036	404.00	249
109.00	18	188.00	395	275.00	21960	405.00	51
110.00	27720	189.00	705	276.00	2741	409.00	17
111.00	4256	190.00	67	277.00	1487	414.00	26
112.00	523	191.00	283	278.00	294	420.00	30
113.00	210	192.00	1000	279.00	24	421.00	469
114.00	40	193.00	915	281.00	23	422.00	199
115.00	124	194.00	204	282.00	53	423.00	4459
116.00	415	195.00	70	283.00	191	424.00	812
117.00	7051	196.00	3581	284.00	99	425.00	67
118.00	671	197.00	26	285.00	264	426.00	17
119.00	207	198.00	107464	286.00	24	441.00	200

Data File: /chem3/nt1.i/20060814.b/df0814.d

Date : 14-AUG-2006 07:58

Client ID:

Instrument: nt1.i

Sample Info: DF0814

Operator: VTS

Column phase: ZB-5

Column diameter: 0.25

Data File: df0814.d
Spectrum: Average Spectrum: 7.395 to 7.446 min. (SUB)
Location of Maximum: 198.00
Number of points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	138	199.00	6944	288.00	42	442.00	87576
121.00	34	200.00	655	289.00	43	443.00	16640
122.00	892	201.00	840	290.00	49	444.00	1438
123.00	1128	203.00	228	292.00	41	445.00	53
124.00	683	204.00	2669	293.00	239	446.00	24
125.00	499	205.00	5155	294.00	51		

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: MB-080306
METHOD BLANK

Lab Sample ID: MB-080306
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/03/06
Date Analyzed: 08/09/06 08:49
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: No

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

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

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	64.7%
d14-Dibenzo(a,h)anthracen	87.0%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060809.b/jq36mb.d
Lab Smp Id: JQ36MBS1 Client Smp ID: JQ36MBS1
Inj Date : 09-AUG-2006 08:49
Operator : VTS Inst ID: nt1.i
Smp Info : JQ36MBS1
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem3/nt1.i/20060809.b/simpna.m
Meth Date : 09-Aug-2006 09:48 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.872	6.877	(1.000)	281861	2.00000	
2 Naphthalene	128	Compound Not Detected.					
$ 3 2-Methylnaphthalene-d10	152	7.629	7.634	(1.110)	140728	1.93844	96.92
4 2-Methylnaphthalene	142	Compound Not Detected.					
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.935	8.934	(1.000)	134389	2.00000	
9 Acenaphthene	153	Compound Not Detected.					
10 Dibenzofuran	168	Compound Not Detected.					
11 Fluorene	166	Compound Not Detected.					
* 15 Phenanthrene-d10	188	10.749	10.748	(1.000)	197511	2.00000	
16 Phenanthrene	178	Compound Not Detected.					
17 Anthracene	178	Compound Not Detected.					
19 Fluoranthene	202	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	Compound Not Detected.					
22 Benzo(a)anthracene	228	Compound Not Detected.					
* 23 Chrysene-d12	240	14.059	14.058	(1.000)	141875	2.00000	
24 Chrysene	228	Compound Not Detected.					
28 Benzo(b)fluoranthene	252	Compound Not Detected.					
29 Benzo(k)fluoranthene	252	Compound Not Detected.					
30 Benzo(a)pyrene	252	Compound Not Detected.					
* 31 Perylene-d12	264	16.004	16.008	(1.000)	154607	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
$ 32 Dibenz(a,h)anthrancene-d14	292	17.883	17.888	(1.117)	154138	2.60510	130.3
34 Dibenz(a,h)anthracene	278	Compound Not Detected.					
35 Benzo(g,h,i)perylene	276	Compound Not Detected.					
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

VDS
8.9.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq36mb.d
Lab Smp Id: JQ36MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Calibration Date: 09-AUG-2006
Calibration Time: 07:50
Client Smp ID: JQ36MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	240084	120042	480168	281861	17.40
8 Acenaphthene-d10	117778	58889	235556	134389	14.10
15 Phenanthrene-d10	165702	82851	331404	197511	19.20
23 Chrysene-d12	120342	60171	240684	141875	17.89
31 Perylene-d12	134879	67440	269758	154607	14.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.87	-0.07
8 Acenaphthene-d10	8.93	8.43	9.43	8.94	0.01
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.01
23 Chrysene-d12	14.06	13.56	14.56	14.06	0.01
31 Perylene-d12	16.01	15.51	16.51	16.00	-0.03

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

Analytical Resources, Inc.

RECOVERY REPORT

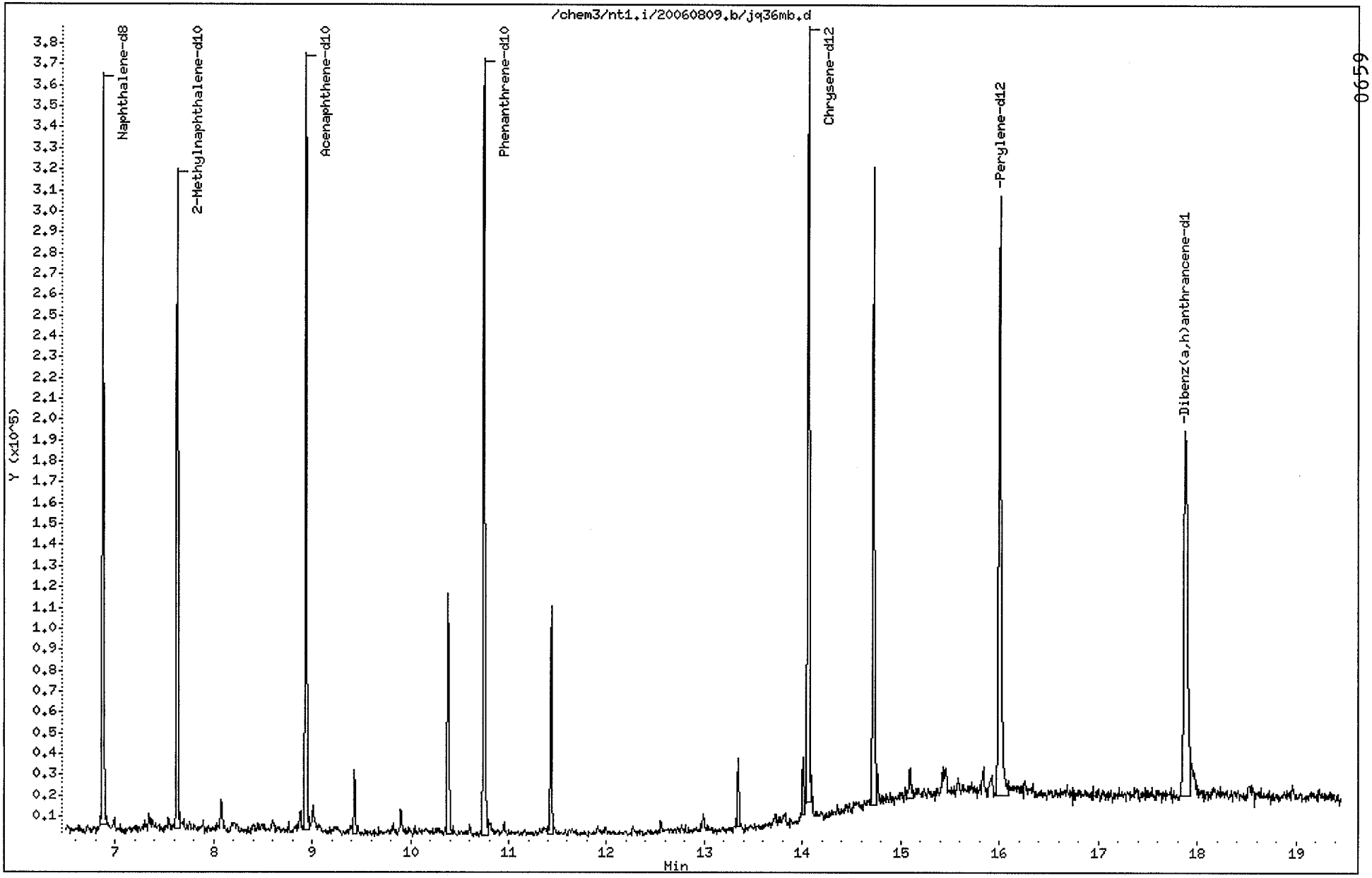
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Client SDG: JQ36
Fraction: SV
Client Smp ID: JQ36MBS1
Operator: VTS
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	96.92	64.61	32-97
$ 32 Dibenz(a,h)anthran	150.0	130.3	86.84	21-105

Data File: /chem3/nt1.i/20060809.b/jq36mb.d
Date : 09-AUG-2006 08:49
Client ID: JQ36MBS1
Sample Info: JQ36MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0650

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-07-E
MATRIX SPIKE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/09/06 11:53
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: No

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 17.6%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**4.8**
91-57-6	**2-Methylnaphthalene**	**4.8**	**2.9 J**
90-12-0	1-Methylnaphthalene	4.8	< 4.8 U
208-96-8	Acenaphthylene	4.8	< 4.8 U
83-32-9	**Acenaphthene**	**4.8**	**20**
86-73-7	**Fluorene**	**4.8**	**9.2**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**20**
206-44-0	**Fluoranthene**	**4.8**	**180**
129-00-0	**Pyrene**	**4.8**	**170**
56-55-3	**Benzo(a)anthracene**	**4.8**	**120**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**140**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**160**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**110**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**35**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**130**
198-55-0	**Perylene**	**4.9**	**58**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**6.3**
192-97-2	**Benzo(e)pyrene**	**4.8**	**100**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	63.0%
d14-Dibenzo(a,h)anthracen	77.3%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060809.b/jq36dms.d
Lab Smp Id: JQ36DMS Client Smp ID: T4-S3-07-E MS
Inj Date : 09-AUG-2006 11:53
Operator : VTS Inst ID: nt1.i
Smp Info : JQ36DMS
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem3/nt1.i/20060809.b/simpna.m
Meth Date : 09-Aug-2006 09:48 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 2 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	12.50000	Weight of sample extracted (g)
M	17.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.872	6.877	(1.000)	280786	2.00000	
2 Naphthalene	128	6.896	6.901	(1.003)	14404	0.10285	4.992
$ 3 2-Methylnaphthalene-d10	152	7.629	7.634	(1.110)	136464	1.88691	91.60
4 2-Methylnaphthalene	142	7.670	7.669	(1.116)	4704	0.05671	2.753 J
5 1-Methylnaphthalene	142	Compound Not Detected.					
7 Acenaphthylene	152	Compound Not Detected.					
* 8 Acenaphthene-d10	164	8.935	8.934	(1.000)	137095	2.00000	
9 Acenaphthene	153	8.976	8.975	(1.005)	28527	0.42378	20.57
10 Dibenzofuran	168	9.165	9.164	(1.026)	7801	0.07868	3.819 J
11 Fluorene	166	9.585	9.590	(1.073)	14629	0.18952	9.200
* 15 Phenanthrene-d10	188	10.749	10.748	(1.000)	195375	2.00000	
16 Phenanthrene	178	10.779	10.778	(1.003)	381635	3.80558	184.7(R) MS
17 Anthracene	178	10.832	10.837	(1.008)	42000	0.41909	20.34
19 Fluoranthene	202	12.268	12.273	(1.141)	384127	3.75542	182.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.558	12.557	(0.893)	391516	3.54597	172.1
22 Benzo(a)anthracene	228	14.041	14.040	(0.999)	264941	2.55874	124.2
* 23 Chrysene-d12	240	14.059	14.058	(1.000)	171946	2.00000	
24 Chrysene	228	14.094	14.093	(1.003)	532101 ms	5.57151	270.5(R)
28 Benzo(b)fluoranthene	252	15.430	15.429	(0.964)	328766	2.78278	135.1
29 Benzo(k)fluoranthene	252	15.460	15.459	(0.966)	679104 ms	5.39177	261.7(R)
30 Benzo(a)pyrene	252	15.927	15.926	(0.995)	381605	3.31487	160.9
* 31 Perylene-d12	264	16.009	16.008	(1.000)	209334	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.960	17.959	(1.122)	295386	2.23124	108.3
$ 32 Dibenz(a,h)anthrancene-d14	292	17.889	17.888	(1.117)	185700	2.31802	112.5
34 Dibenz(a,h)anthracene	278	17.948	17.959	(1.121)	77797	0.71934	34.92(M)
35 Benzo(g,h,i)perylene	276	18.551	18.544	(1.159)	286539	2.60378	126.4
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	11.547	11.552	(0.821)	9058	0.12870	6.247
52 Benzo(e)pyrene	252	15.844	15.843	(0.990)	265053	2.08003	101.0
53 Perylene	252	16.051	16.050	(1.003)	142548	1.19142	57.84

QC Flag Legend

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

VTS

8.10.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq36dms.d
Lab Smp Id: JQ36DMS
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Calibration Date: 09-AUG-2006
Calibration Time: 07:50
Client Smp ID: T4-S3-07-E MS
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	240084	120042	480168	280786	16.95
8 Acenaphthene-d10	117778	58889	235556	137095	16.40
15 Phenanthrene-d10	165702	82851	331404	195375	17.91
23 Chrysene-d12	120342	60171	240684	171946	42.88
31 Perylene-d12	134879	67440	269758	209334	55.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.87	-0.07
8 Acenaphthene-d10	8.93	8.43	9.43	8.93	0.01
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.01
23 Chrysene-d12	14.06	13.56	14.56	14.06	0.01
31 Perylene-d12	16.01	15.51	16.51	16.01	0.01

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36DMS
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

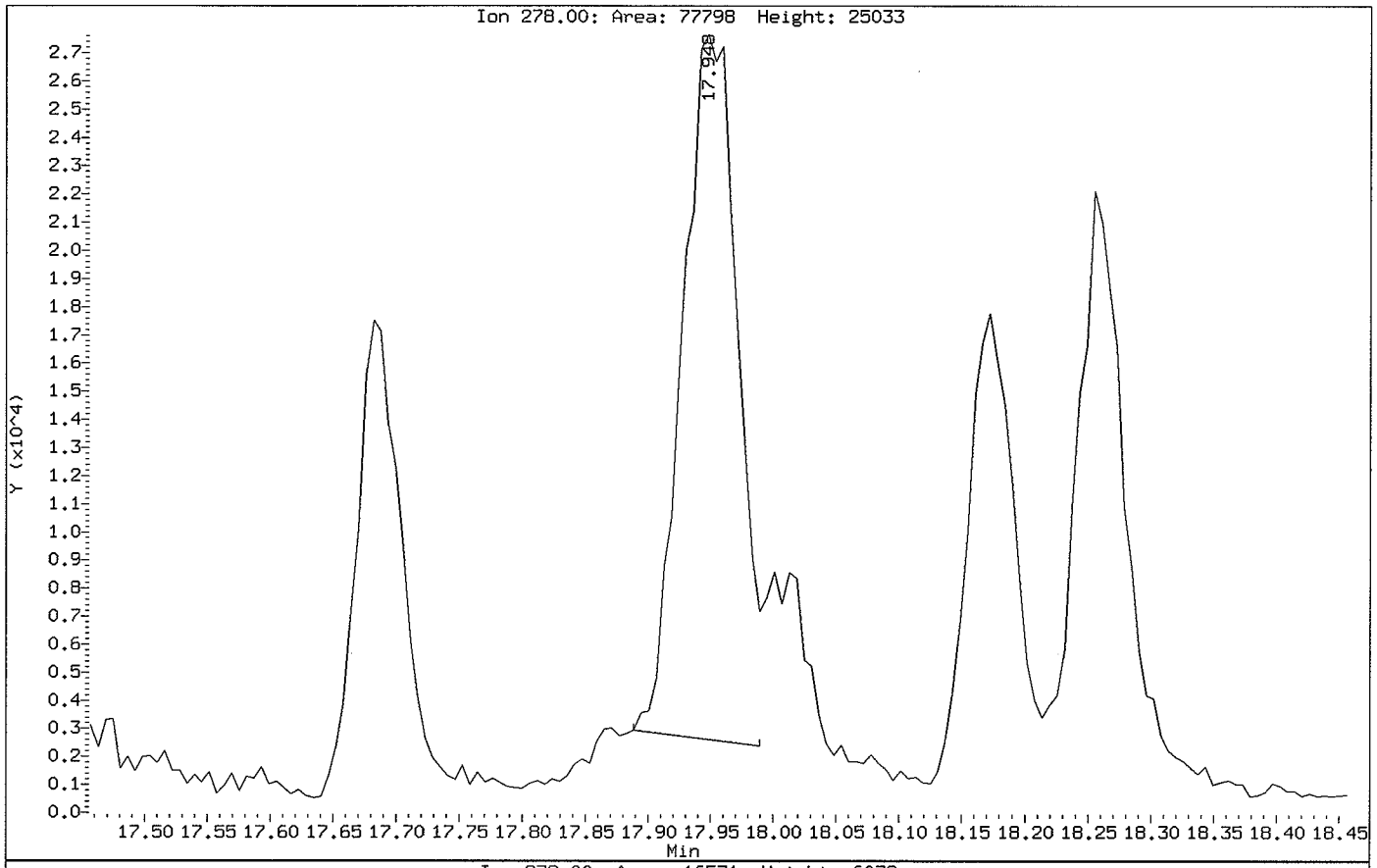
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-E MS
Operator: VTS
SampleType: MS
Quant Type: ISTD

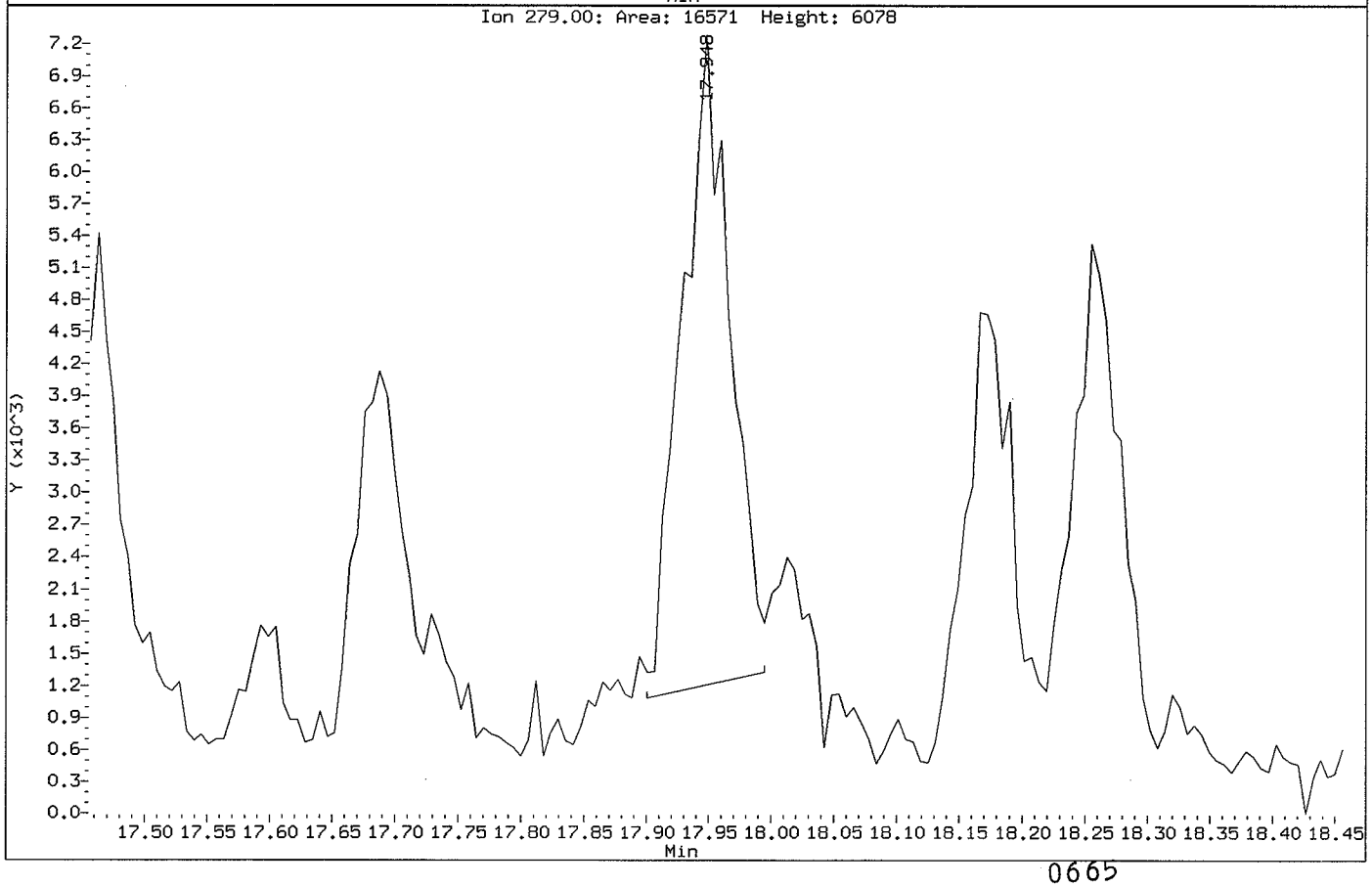
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	145.6	184.7	126.85*	46-107
24 Chrysene	145.6	270.5	185.72*	49-108
29 Benzo(k)fluoranthe	145.6	261.7	179.73*	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	145.6	91.60	62.90	32-97
$ 32 Dibenz(a,h)anthran	145.6	112.5	77.27	21-105

Data File: /chem3/nt1.i/20060809.b/jq36dms.d
Injection Date: 09-AUG-2006 11:53
Instrument: nt1.i
Client Sample ID: T4-S3-07-E MS

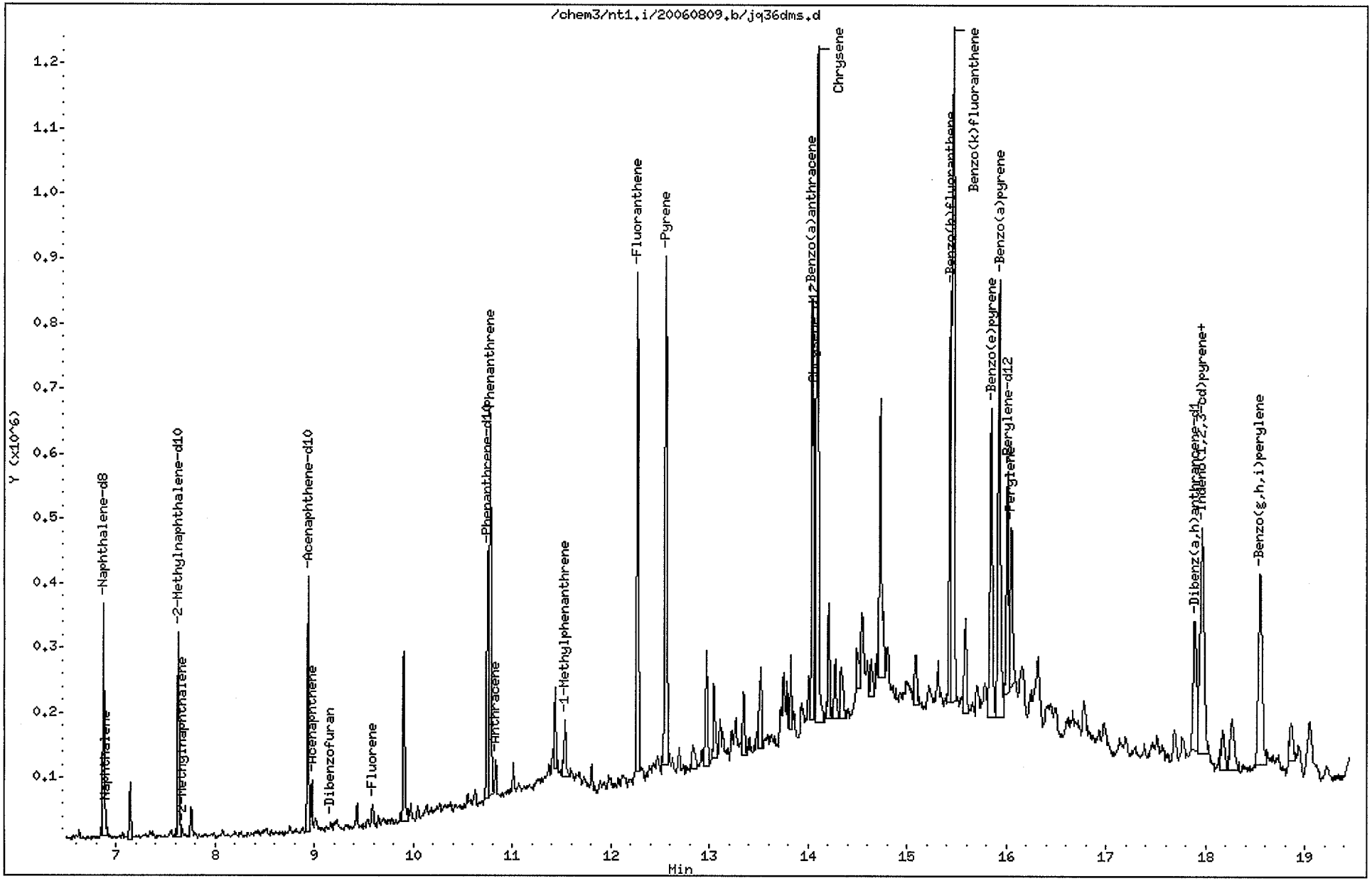
Compound: Dibenz(a,h)anthracene
CAS Number:





Data File: /chem3/nt1.i/20060809.b/jq36dms.d
Date : 09-AUG-2006 11:53
Client ID: T4-S3-07-E MS
Sample Info: JQ36DMS
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0666

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PNAs by SW8270D-SIM GC/MS
Page 1 of 1

Sample ID: T4-S3-07-E
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/09/06 12:17
Instrument/Analyst: NT1/VTS
GPC Cleanup: No
Silica Gel Cleanup: No

Sample Amount: 10.3 g-dry-wt
Final Extract Volume: 0.5 mL
Dilution Factor: 1.00
Percent Moisture: 17.6%
pH: 6.7

CAS Number	Analyte	RL	Result
91-20-3	**Naphthalene**	**4.8**	**9.7**
91-57-6	**2-Methylnaphthalene**	**4.8**	**5.3**
90-12-0	**1-Methylnaphthalene**	**4.8**	**2.9 J**
208-96-8	**Acenaphthylene**	**4.8**	**2.4 J**
83-32-9	**Acenaphthene**	**4.8**	**34**
86-73-7	**Fluorene**	**4.8**	**18**
85-01-8	Phenanthrene	4.8	---
120-12-7	**Anthracene**	**4.8**	**33**
206-44-0	**Fluoranthene**	**4.8**	**320**
129-00-0	**Pyrene**	**4.8**	**280**
56-55-3	**Benzo(a)anthracene**	**4.8**	**200**
218-01-9	Chrysene	4.8	---
205-99-2	**Benzo(b)fluoranthene**	**4.8**	**270**
207-08-9	Benzo(k)fluoranthene	4.8	---
50-32-8	**Benzo(a)pyrene**	**4.8**	**270**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.8**	**170**
53-70-3	**Dibenz(a,h)anthracene**	**4.8**	**55**
191-24-2	**Benzo(g,h,i)perylene**	**4.8**	**200**
198-55-0	**Perylene**	**4.9**	**92**
92-52-4	Biphenyl	4.9	< 4.9 U
581-42-0	2,6-Dimethylnaphthalene	4.8	< 4.8 U
832-69-9	**1-Methylphenanthrene**	**4.8**	**6.3**
192-97-2	**Benzo(e)pyrene**	**4.8**	**170**
2245-38-7	2,3,5-Trimethylnaphthalene	4.8	< 4.8 U

Reported in µg/kg (ppb)

SIM Semivolatile Surrogate Recovery

d10-2-Methylnaphthalene	65.3%
d14-Dibenzo(a,h)anthracen	73.7%

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060809.b/jq36dmsd.d
Lab Smp Id: JQ36DMSD Client Smp ID: T4-S3-07-E MSD
Inj Date : 09-AUG-2006 12:17
Operator : VTS Inst ID: nt1.i
Smp Info : JQ36DMSD
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem3/nt1.i/20060809.b/simpna.m
Meth Date : 09-Aug-2006 09:48 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	12.50000	Weight of sample extracted (g)
M	17.60000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.874	6.877	(1.000)	297558	2.00000	
2 Naphthalene	128	6.898	6.901	(1.003)	29966	0.20190	9.801
$ 3 2-Methylnaphthalene-d10	152	7.631	7.634	(1.110)	150203	1.95981	95.14
4 2-Methylnaphthalene	142	7.672	7.669	(1.116)	9363	0.10652	5.171
5 1-Methylnaphthalene	142	7.802	7.799	(1.135)	5235	0.05678	2.756 J
7 Acenaphthylene	152	8.754	8.757	(0.980)	6389	0.05187	2.518 J
* 8 Acenaphthene-d10	164	8.937	8.934	(1.000)	148574	2.00000	
9 Acenaphthene	153	8.972	8.975	(1.004)	51589	0.70716	34.33
10 Dibenzofuran	168	9.161	9.164	(1.025)	16622	0.15469	7.509
11 Fluorene	166	9.587	9.590	(1.073)	31167	0.37257	18.09
* 15 Phenanthrene-d10	188	10.745	10.748	(1.000)	227903	2.00000	
16 Phenanthrene	178	10.775	10.778	(1.003)	616918 ms	5.27375	256.0(R)
17 Anthracene	178	10.834	10.837	(1.008)	79404	0.67924	32.97
19 Fluoranthene	202	12.270	12.273	(1.142)	777615	6.51729	316.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.560	12.557	(0.893)	778529	5.71214	277.3
22 Benzo(a)anthracene	228	14.043	14.040	(0.999)	531048	4.15480	201.7
* 23 Chrysene-d12	240	14.061	14.058	(1.000)	212253	2.00000	
24 Chrysene	228	14.096	14.093	(1.003)	888122 ms	7.53338	365.7(R)
28 Benzo(b)fluoranthene	252	15.438	15.429	(0.964)	724139	5.60943	272.3
29 Benzo(k)fluoranthene	252	15.467	15.459	(0.966)	961389 ms	6.98553	339.1(R)
30 Benzo(a)pyrene	252	15.928	15.926	(0.995)	691708	5.49896	266.9
* 31 Perylene-d12	264	16.011	16.008	(1.000)	228736	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.967	17.959	(1.122)	513568	3.55025	172.3
$ 32 Dibenz(a,h)anthrancene-d14	292	17.891	17.888	(1.117)	193231	2.20743	107.2
34 Dibenz(a,h)anthracene	278	17.950	17.959	(1.121)	134453	1.13775	55.23
35 Benzo(g,h,i)perylene	276	18.552	18.544	(1.159)	498275	4.14376	201.2
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	11.549	11.552	(0.821)	11148	0.12831	6.229
52 Benzo(e)pyrene	252	15.846	15.843	(0.990)	481457	3.45780	167.9
53 Perylene	252	16.052	16.050	(1.003)	248196	1.89847	92.16

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

VTS
8.10.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq36dmsd.d
Lab Smp Id: JQ36DMSD
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Calibration Date: 09-AUG-2006
Calibration Time: 07:50
Client Smp ID: T4-S3-07-E MSD
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	240084	120042	480168	297558	23.94
8 Acenaphthene-d10	117778	58889	235556	148574	26.15
15 Phenanthrene-d10	165702	82851	331404	227903	37.54
23 Chrysene-d12	120342	60171	240684	212253	76.37
31 Perylene-d12	134879	67440	269758	228736	69.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.87	-0.05
8 Acenaphthene-d10	8.93	8.43	9.43	8.94	0.03
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	-0.03
23 Chrysene-d12	14.06	13.56	14.56	14.06	0.02
31 Perylene-d12	16.01	15.51	16.51	16.01	0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36DMSD
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

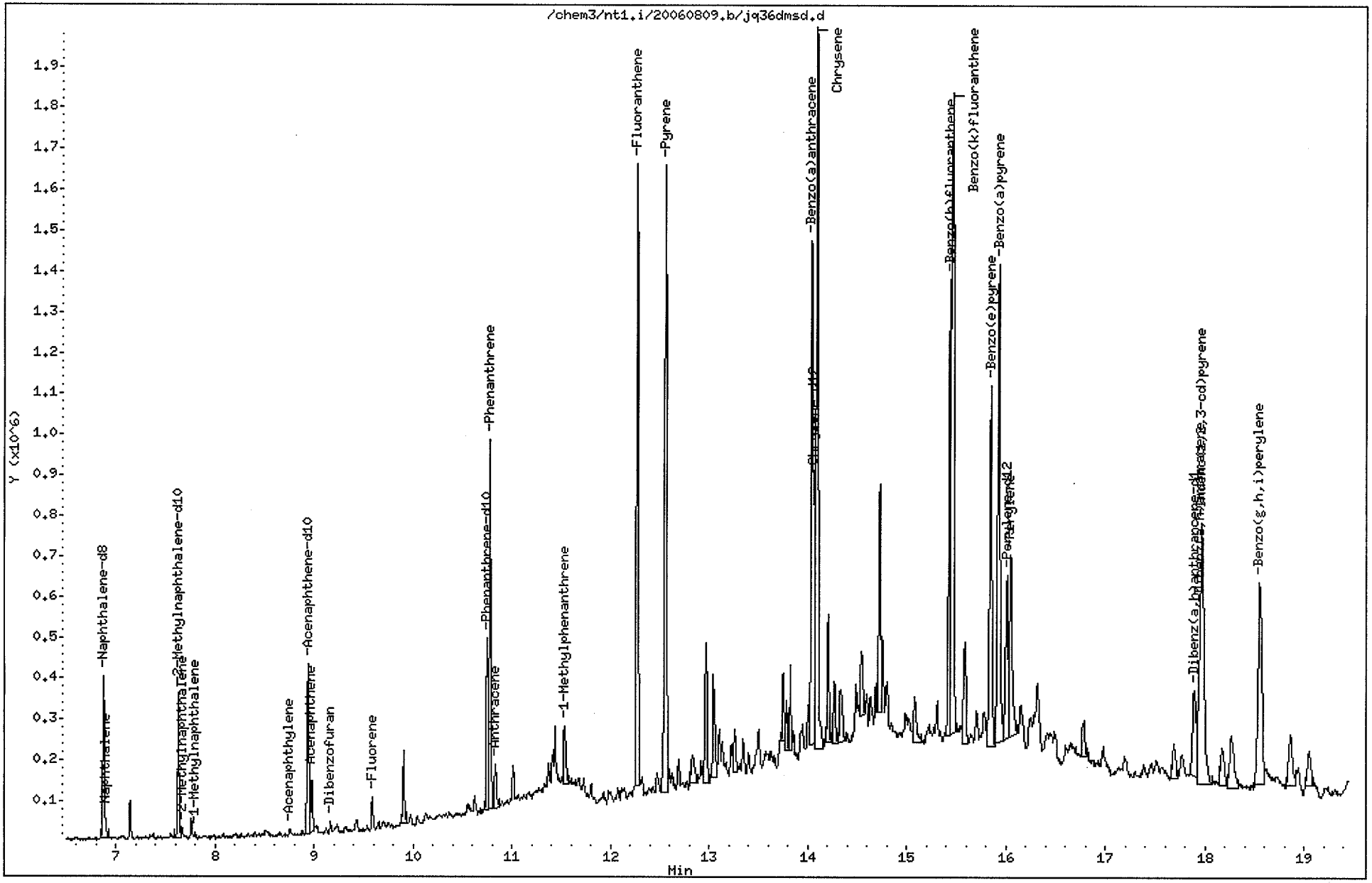
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-E MSD
Operator: VTS
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	145.6	256.0	175.79*	46-107
24 Chrysene	145.6	365.7	251.11*	49-108
29 Benzo(k)fluoranthe	145.6	339.1	232.85*	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	145.6	95.14	65.33	32-97
$ 32 Dibenz(a,h)anthran	145.6	107.2	73.58	21-105

Data File: /chem3/nt1.i/20060809.b/jq36dmsd.d
Date : 09-AUG-2006 12:17
Client ID: T4-S3-07-E MSD
Sample Info: JQ36DMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0672

Analytical Resources, Inc.

Polynuclear Aromatic Hydrocarbons/Phthalates by Selected Ion Monitoring

Data file : /chem3/nt1.i/20060809.b/jq36sb.d
Lab Smp Id: JQ36LCSS1 Client Smp ID: JQ36LCSS1
Inj Date : 09-AUG-2006 09:13
Operator : VTS Inst ID: nt1.i
Smp Info : JQ36LCSS1
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem3/nt1.i/20060809.b/simpna.m
Meth Date : 09-Aug-2006 09:48 van Quant Type: ISTD
Cal Date : 04-AUG-2006 12:28 Cal File: ic0806f.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnat4.sub
Target Version: 3.50
Processing Host: cserv3

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

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

Cpnd Variable Local Compound Variable

"All targets spiked"

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 1 Naphthalene-d8	136	6.872	6.877	(1.000)	275313	2.00000	
2 Naphthalene	128	6.895	6.901	(1.003)	271844	1.97957	98.98
$ 3 2-Methylnaphthalene-d10	152	7.628	7.634	(1.110)	149183	2.10378	105.2
4 2-Methylnaphthalene	142	7.669	7.669	(1.116)	161941	1.99128	99.56
5 1-Methylnaphthalene	142	7.800	7.799	(1.135)	157664	1.84824	92.41
7 Acenaphthylene	152	8.757	8.757	(0.980)	224981	2.02974	101.5
* 8 Acenaphthene-d10	164	8.934	8.934	(1.000)	133692	2.00000	
9 Acenaphthene	153	8.976	8.975	(1.005)	138369	2.10784	105.4
10 Dibenzofuran	168	9.165	9.164	(1.026)	188868	1.95326	97.66
11 Fluorene	166	9.584	9.590	(1.073)	160276	2.12923	106.5
* 15 Phenanthrene-d10	188	10.749	10.748	(1.000)	191452	2.00000	
16 Phenanthrene	178	10.778	10.778	(1.003)	219906	2.23779	111.9
17 Anthracene	178	10.831	10.837	(1.008)	205507	2.09265	104.6
19 Fluoranthene	202	12.268	12.273	(1.141)	210880	2.10391	105.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
20 Pyrene	202	12.557	12.557	(0.893)	227368	2.45558	122.8
22 Benzo(a)anthracene	228	14.041	14.040	(0.999)	193091	2.22371	111.2
* 23 Chrysene-d12	240	14.058	14.058	(1.000)	144196	2.00000	
24 Chrysene	228	14.094	14.093	(1.003)	191989	2.39715	119.9
28 Benzo(b)fluoranthene	252	15.429	15.429	(0.964)	207246	2.45200	122.6
29 Benzo(k)fluoranthene	252	15.459	15.459	(0.966)	210179	2.33254	116.6
30 Benzo(a)pyrene	252	15.926	15.926	(0.995)	169218	2.05468	102.7
* 31 Perylene-d12	264	16.009	16.008	(1.000)	149760	2.00000	
33 Indeno(1,2,3-cd)pyrene	276	17.959	17.959	(1.122)	235838	2.49008	124.5
$ 32 Dibenz(a,h)anthrancene-d14	292	17.882	17.888	(1.117)	156700	2.73412	136.7
34 Dibenz(a,h)anthracene	278	17.953	17.959	(1.121)	200470	2.59098	129.5
35 Benzo(g,h,i)perylene	276	18.544	18.544	(1.158)	217048	2.75689	137.8
48 Biphenyl	154	Compound Not Detected.					
49 2,6-Dimethylnaphthalene	156	Compound Not Detected.					
50 2,3,5-Trimethylnaphthalene	170	Compound Not Detected.					
51 1-Methylphenanthrene	192	Compound Not Detected.					
52 Benzo(e)pyrene	252	Compound Not Detected.					
53 Perylene	252	Compound Not Detected.					

VTS
8.10.2006

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt1.i
Lab File ID: jq36sb.d
Lab Smp Id: JQ36LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: VTS
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Calibration Date: 09-AUG-2006
Calibration Time: 07:50
Client Smp ID: JQ36LCSS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	240084	120042	480168	275313	14.67
8 Acenaphthene-d10	117778	58889	235556	133692	13.51
15 Phenanthrene-d10	165702	82851	331404	191452	15.54
23 Chrysene-d12	120342	60171	240684	144196	19.82
31 Perylene-d12	134879	67440	269758	149760	11.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Naphthalene-d8	6.88	6.38	7.38	6.87	-0.08
8 Acenaphthene-d10	8.93	8.43	9.43	8.93	0.00
15 Phenanthrene-d10	10.75	10.25	11.25	10.75	0.00
23 Chrysene-d12	14.06	13.56	14.56	14.06	0.00
31 Perylene-d12	16.01	15.51	16.51	16.01	0.00

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnalcss.spk
Sublist File: pnat4.sub
Method File: /chem3/nt1.i/20060809.b/simpna.m
Misc Info: 06-12975

Client SDG: JQ36
Fraction: SV
Client Smp ID: JQ36LCSS1
Operator: VTS
SampleType: LCS
Quant Type: ISTD

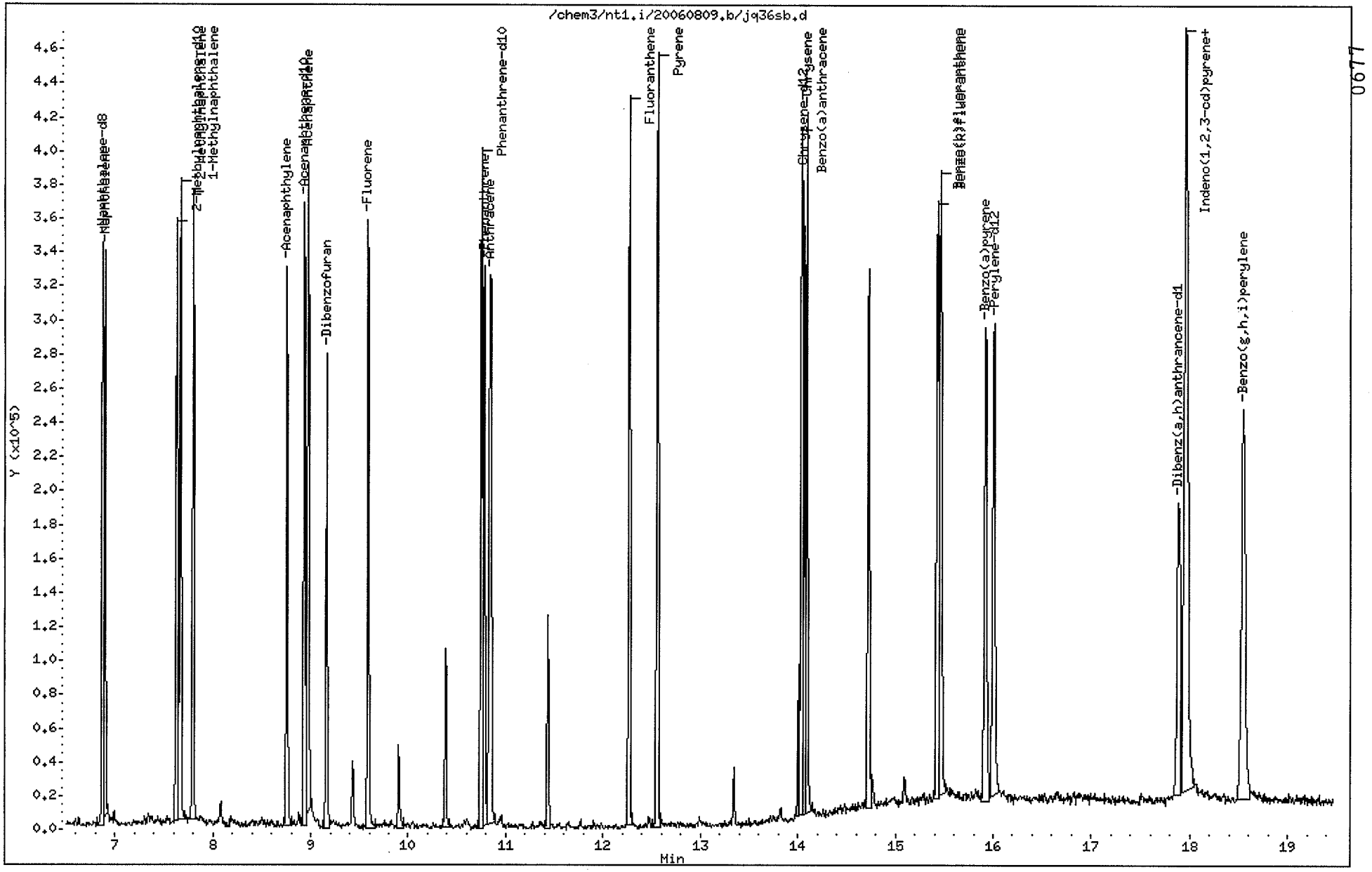
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
16 Phenanthrene	150.0	111.9	74.59	46-107
24 Chrysene	150.0	119.9	79.90	49-108
29 Benzo(k)fluoranthe	150.0	116.6	77.75	37-94

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 3 2-Methylnaphthalen	150.0	105.2	70.13	32-97
$ 32 Dibenz(a,h)anthran	150.0	136.7	91.14	21-105

Data File: /chem3/nt1.i/20060809.b/jq36sb.d
Date : 09-AUG-2006 09:13
Client ID: JQ36LCSS1
Sample Info: JQ36LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt1.i

Operator: VTS
Column diameter: 0.25



SIM Semivolatile Analysis
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT LIMs # _____
Bid # SMØ8022A-Ø1

(8270)PNA/ SIM PNA/(8310)PNA– Soil/Sediment
In House X PSDDA ____ Pro-Sep ____
(3550B) Microtip ____
(3550B Macrotip X
KD X – PC 8/5
Turbovap X

ANALYTICAL RESOURCES INCORPORATED

Client Name: Anchor Environmental

ARI Job No(s): JQ36

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted 9	GPC Aliquot #1 / #2	~~Alumina~~ Silica (Eph arom.) Aliquot	Final Effective Volume 0.5 mL	Volume To Lab 0.5 mL	Time Extracted 2015 Comments
MB: JQ36 MB	8/3/06	10.00					
SB: SB	↓	10.00					
A	checked	19.00					
B		18.54					
C		15.54					
D		12.50					
DMS		12.58					
DMSD		12.54					
E		2.02					
F		13.02					
G		2.52					
H		13.00					
I		23.54					
J		17.04					
K		22.52					
L		21.50					
LW 8-3/06 Date/Analyst:				8/7 PC	→		

Surrogate Amount: 50 ml
Concentration: 30/150 ug/ml
Added By: TH /Spk. Witness PC
ID: 1408-4

Spike Amount: 50 ml
Concentration: 30/150 ug/ml
Added By: TH /Spk. Witness PC
ID: 1393-03

(DCM) Solvent Lot ID: 13203
(Acetonitrile) Solvent Lot ID:
(1:1 DCM/Acetone) Reagent ID: F491
(2%) Alumina ID:
Na2So4 ID: 4/25/06 #1
Neutral glasswool ID: 7/26/06 #6

S.A 50 ml added TH PC
3007F C. 30/150 ug/ml ID 1254-04B

Revision 6
7/29/03

06-12975

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ36 Client Name: Anchor Environmental

Parameter: SIM PNA low lvl Client Project: T4 Early Action

3575 SOP Number(s) [ ] No Anomalies

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

A-C: wet, slurry-like Sed
D-Sandy
E- poured off Stand H_2O,
H, G, F- Sandy
I- slurry-like Sed.
J- Same + ~5% organics
K-L: Standing H_2O, Slurry-like TH 7/25/06

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

Rev. 5
2/15/01

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JQ36 Client ID: Anchor Environmental

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

Parameter(s): Sim PNA's

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

Curve Date: 8.4.2006 Analysis Start Date: 8.9.2006

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

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

- Sample A rerun on 8/14 - orisinal had IS >200%.
- Includes curve, forms, Logbook pages.

- Many samples run at 10X due to strong pNA levels.
- Samples D,F-L run @ 1X A-C,E run @ 10X
- Samples F, G, I showed E values see DL's @ 10X
- Sample E showed E values, see EdL @ 20X
- No MDL's for Additional targets - Not recommending "J" flags.

Additional Details on Reverse: Yes / No

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

Reviewer's Signature: [signature] **Date:** 8/14/06

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: SIM PNA curve Client ID: _____

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

Parameter(s): SIM PNA

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

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

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

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

6 points curve for routine analytes + additional analytes:

Biphenyl
2,6 Dimethylnaphthalene
2,3,5 Trimethylnaphthalene
1-Methylphenanthrene
Benzo-(e)pyrene
Perylene.

all RSD<15%, all averaged

Additional Details on Reverse: Yes / No

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

Reviewer's Signature: _____ **Date:** 8.4.2006

Analytical Resources Inc.: Organics Instrument Log

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

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

GC Program: ~~AT~~ SIM PNA Column No: 97876 Column Type: ZB-5

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

Calibration File: DF0804 Curve Date: 08/04/06

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1408-04)(1416-02)	(1330-01) @ 20X

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

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

YZ 8/7/06

Maintenance new liner, new septum

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC 08I C0803A.

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

Analytical Resources Inc.: Organics Instrument Log

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

Date: 8/9/2006 Analysis: Sim pnA Analyst: UTS

GC Program: Sim pnA Column No: 97876 Column Type: ZB-5

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

Calibration File: df0809 Curve Date: 8-4-2006

IS/SS	Ical/Ccal	LCS/ICV
(1408-03)	(1409-01)(1416-02)	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060809.b

	Time	Filename	LabID	ClientId	DF												
1	0732	df0809.d	DF0809		1	NO ISTDS FOUND											
2	0750	cc0809.d	CC0809		1	6.88	240084	8.93	117778	10.75	165702	14.06	120342	16.01	134879		
3	0824	alumf481.d	ALUMINA F481		1	6.88	281958	8.94	137135	10.75	193639	14.07	170965	16.01	205528		
4	0849	jq36mb.d	JQ36MBS1	JQ36MBS1	1	6.87	281861	8.94	134389	10.75	197511	14.06	141875	16.00	154607		
5	0913	jq36sb.d	JQ36LCSS1	JQ36LCSS1	1	6.87	275313	8.93	133692	10.75	191452	14.06	144196	16.01	149760		
6	0938	jq36a.d	JQ36A	T4-S3-07-B	10	6.87	320521	8.93	158906	10.75	249104	14.06	242827	16.01	264051		
7	1003	jq36b.d	JQ36B	T4-S3-07-C	10	6.87	305810	8.93	156239	10.75	236480	14.06	215326	16.01	252490		
8	1028	jq36c.d	JQ36C	T4-S3-07-D	10	6.88	286948	8.93	143552	10.75	214338	14.06	206392	16.01	235490		
9	1052	jq36d.d	JQ36D	T4-S3-07-E	10	6.87	323836	8.93	165761	10.75	254306	14.06	212637	16.01	243442		
10	1128	jq36d2.d	JQ36D	T4-S3-07-E	1	6.87	313898	8.94	158383	10.75	239934	14.07	205634	16.01	223426		
11	1153	jq36dms.d	JQ36DMS	T4-S3-07-E MS	1	6.87	280786	8.93	137095	10.75	195375	14.06	171946	16.01	209334		
12	1217	jq36dmsd.d	JQ36DMSD	T4-S3-07-E MSD	1	6.87	297558	8.94	148574	10.75	227903	14.06	212253	16.01	228736		
13	1242	jq36e.d	JQ36E	T4-S3-04-A	10	6.88	276537	8.94	138889	10.75	194946	14.06	185164	16.01	219680		
14	1307	jq36f.d	JQ36F	T4-S3-04-B	10	6.88	290530	8.93	142764	10.75	211489	14.06	180784	16.01	225659		
15	1332	jq36g.d	JQ36G	T4-S3-04-C	10	6.87	265372	8.94	128041	10.75	189984	14.06	168146	16.00	205398		
16	1357	jq36h.d	JQ36H	T4-S3-04-D	10	6.87	282758	8.93	139211	10.75	200047	14.06	181008	16.01	229029		
17	1421	jq36i.d	JQ36I	T4-WB-01	10	6.88	302761	8.93	143704	10.75	208678	14.06	178534	16.01	230149		
18	1446	jq36j.d	JQ36J	T4-WB-02	10	6.88	308222	8.93	149761	10.75	211021	14.06	186669	16.01	235441		
19	1511	jq36k.d	JQ36K	T4-WB-03	10	6.87	305205	8.94	146460	10.75	215927	14.06	187298	16.01	235390		
20	1536	jq36l.d	JQ36L	T4-WB-04	10	6.88	309830	8.94	153610	10.75	228513	14.06	203612	16.01	247075		
21	1600	jq52adl.d	JQ52ADL	T4-S3-02-F-DUP	50	6.88	292387	8.93	144713	10.75	204501	14.06	187525	16.01	225550		

☐ IS > 200%: Area

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.

UTS 8.10.2006

Analytical Resources Inc.: Organics Instrument Log

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

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

GC Program: SimpNA Column No: 97876 Column Type: ZB-5

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

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

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

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

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

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0810

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

VTS 8.11.2006

Analytical Resources Inc.: Organics Instrument Log

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

Date: 8.14.2006 Analysis: SimpNA Analyst: VTS

GC Program: SimpNA Column No: 97876 Column Type: ZB-5

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

Calibration File: DF0814 Curve Date: 8.4.2006

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

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem3/nt1.i/20060814.b

	Time	Filename	LabID	ClientId	DF											
1	0758	df0814.d	DF0814		1	NO ISTDS FOUND										
2	0813	cc0814.d	CC0814		1	6.88	232064	8.94	123496	10.75	190473	14.06	159839	16.00	162821	
3	0838	jr53mb.d	JR53MBW1	JR53MBW1	1	6.88	228681	8.93	115282	10.75	181701	14.05	148549	16.00	149359	
4	0903	jr53sb.d	JR53LCSW1	JR53LCSW1	1	6.88	247394	8.93	132998	10.75	203072	14.06	159533	16.00	160023	
5	0928	jr53sbd.d	JR53LCSDW1	JR53LCSDW1	1	6.88	253271	8.94	131365	10.74	202886	14.05	166128	15.99	161864	
6	0952	jr53d.d	JR53D	GW060801-PL2-036A	1	6.88	231160	8.94	119297	10.75	184234	14.06	149568	16.00	146919	
7	1017	jr53f.d	JR53F	GW060801-PL2-013	1	6.88	234167	8.94	124651	10.75	186843	14.05	156054	16.00	151968	
8	1042	jr50d.d	JR50D	2-66-PL2-015BR-20EQ	1	6.88	238116	8.94	126483	10.75	195012	14.05	155254	16.00	130850	
9	1107	jr96cdl.d	JR96C	Gun Club-3-060804	5	6.88	215544	8.94	111539	10.75	170572	14.05	145422	16.00	148070	
10	1132	jr96ddl.d	JR96D	Gun Club-C-060804	10	6.88	223945	8.94	115984	10.75	182013	14.06	169250	16.00	176891	
11	1156	jq36adl.d	JQ36A	T4-S3-07-B	10	6.88	235304	8.94	122016	10.75	190185	14.06	176598	16.00	188178	
12	1221	jr38e.d	JR38E	2-66-PL2-607A-5S	1	6.88	209937	8.94	113264	10.75	169759	14.05	139047	16.00	145343	
13	1434	jr38f.d	JR38F	2-66-PL2-607A-10S	1	6.88	231470	8.94	123149	10.75	188282	14.06	143297	16.01	71983	
14	1459	jr38d.d	JR38D	2-66-PL2-607A-1S	5	6.88	256304	8.94	137412	10.75	217216	14.07	141158	16.02	53240	
15	1524	jr38f2.d	JR38f	2-66-PL2-607A-10S	1	6.88	232021	8.94	123241	10.75	189870	14.06	125126	16.01	47728	

☐ = d12-perylene < 50% Area

Maintenance / Comments NONE

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0814

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

VTS 8.15.2006

Semivolatile Organics
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	TPH	TOT OUT
T4-S3-07-B	68.4%	0
T4-S3-07-C	51.2%	0
T4-S3-07-D	64.0%	0
MB-080306	79.6%	0
LCS-080306	78.4%	0
T4-S3-07-E	78.0%	0
T4-S3-07-E MS	68.8%	0
T4-S3-07-E MSD	71.2%	0
T4-S3-04-A	85.8%	0
T4-S3-04-B	74.4%	0
T4-S3-04-C	68.0%	0
T4-S3-04-D	69.2%	0
T4-WB-01	40.8%	0
T4-WB-02	59.2%	0
T4-WB-03	49.2%	0
T4-WB-04	54.4%	0

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

Prep Method: SW3550B
Log Number Range: 06-12972 to 06-12983

FORM-II SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 1

Sample ID: T4-S3-07-E
MS/MSD

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted MS/MSD: 08/03/06

Date Analyzed MS: 08/11/06 16:14
MSD: 08/11/06 16:47
Instrument/Analyst MS: NT6/LJR
MSD: NT6/LJR
GPC Cleanup: YES

Sample Amount MS: 50.4 g-dry-wt
MSD: 50.6 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 17.6%
pH: 6.7

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Di-n-Octyl phthalate	< 19.7	301	496	60.7%	319	494	64.6%	5.8%

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

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-080306
LAB CONTROL

Lab Sample ID: LCS-080306
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 13:28
Instrument/Analyst: NT6/LJR
GPC Cleanup: YES

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

Analyte	Lab Control	Spike Added	Recovery
Dimethylphthalate	428	500	85.6%
Diethylphthalate	460	500	92.0%
Di-n-Butylphthalate	516	500	103%
Butylbenzylphthalate	486	500	97.2%
bis(2-Ethylhexyl)phthalate	441	500	88.2%
Di-n-Octyl phthalate	390	500	78.0%

Semivolatile Surrogate Recovery

d14-p-Terphenyl	78.4%

Results reported in µg/kg

FORM III

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

JQ36MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR

ARI Job No: JQ36

Project: T4 EARLY ACTION

Lab File ID: JQ36MB

Date Extracted: 08/03/06

Instrument ID: NT6

Date Analyzed: 08/11/06

Matrix: SOLID

Time Analyzed: 1255

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	JQ36LCSS1	JQ36LCSS1	JQ36SB	08/11/06
02	T4-S3-07-E	JQ36D	JQ36D	08/11/06
03	T4-S3-07-E MS	JQ36DMS	JQ36DMS	08/11/06
04	T4-S3-07-E MSD	JQ36DMSD	JQ36DMD	08/11/06
05	T4-S3-04-A	JQ36E	JQ36EDL	08/11/06
06	T4-S3-04-D	JQ36H	JQ36H	08/11/06
07	T4-WB-01	JQ36I	JQ36I	08/11/06
08	T4-WB-02	JQ36J	JQ36J	08/11/06
09	T4-WB-03	JQ36K	JQ36K2	08/12/06
10	T4-WB-04	JQ36L	JQ36L2	08/12/06
11	T4-S3-07-B	JQ36A	JQ36A	08/12/06
12	T4-S3-07-C	JQ36B	JQ36B	08/12/06
13	T4-S3-07-D	JQ36C	JQ36C	08/12/06
14	T4-S3-04-B	JQ36F	JQ36F	08/12/06
15	T4-S3-04-C	JQ36G	JQ36G	08/12/06
16				
17				
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30				

COMMENTS:

FORM IV SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/10/06 DFTPP Injection Time: 1542

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.4
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	57.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.8
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	10.2
442	40.0 - 110.0% of mass 198	68.4
443	15.0 - 24.0% of mass 442	13.0 (19.0)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN 25	ABN 25	0250810	08/10/06	1542
02	ABN 80	ABN 80	0800810	08/10/06	1615
03	ABN 1	ABN 1	0010810	08/10/06	1648
04	ABN 40	ABN 40	0400810	08/10/06	1721
05	ABN 5	ABN 5	0050810	08/10/06	1754
06	ABN 10	ABN 10	0100810	08/10/06	1827
07					
08					
09					
10					
11					
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22					

FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/11/06 DFTPP Injection Time: 0830

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	56.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	59.2
70	Less than 2.0% of mass 69	0.5 (0.8)1
127	25.0 - 75.0% of mass 198	58.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	21.5
365	Greater than 0.75% of mass 198	2.48
441	Present, but less than mass 443	10.4
442	40.0 - 110.0% of mass 198	66.8
443	15.0 - 24.0% of mass 442	12.9 (19.3)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0811	08/11/06	0830
02	JQ36MBS1	JQ36MBS1	JQ36MB	08/11/06	1255
03	JQ36LCSS1	JQ36LCSS1	JQ36SB	08/11/06	1328
04	T4-S3-07-E	JQ36D	JQ36D	08/11/06	1541
05	T4-S3-07-E MS	JQ36DMS	JQ36DMS	08/11/06	1614
06	T4-S3-07-E MSD	JQ36DMSD	JQ36DMD	08/11/06	1647
07	T4-S3-04-A	JQ36E	JQ36EDL	08/11/06	1720
08	T4-S3-04-D	JQ36H	JQ36H	08/11/06	1859
09	T4-WB-01	JQ36I	JQ36I	08/11/06	1932
10	T4-WB-02	JQ36J	JQ36J	08/11/06	2006
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

Instrument ID: NT6 Project: T4 EARLY ACTION

DFTPP Injection Date: 08/12/06 DFTPP Injection Time: 1039

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	52.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.0
70	Less than 2.0% of mass 69	0.4 (0.6)1
127	25.0 - 75.0% of mass 198	58.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	21.0
365	Greater than 0.75% of mass 198	2.65
441	Present, but less than mass 443	8.6
442	40.0 - 110.0% of mass 198	61.6
443	15.0 - 24.0% of mass 442	11.8 (19.2)2

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

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ABN CCAL	ABN 25	CC0812	08/12/06	1039
02	T4-WB-03	JQ36K	JQ36K2	08/12/06	1252
03	T4-WB-04	JQ36L	JQ36L2	08/12/06	1325
04	T4-S3-07-B	JQ36A	JQ36A	08/12/06	1358
05	T4-S3-07-C	JQ36B	JQ36B	08/12/06	1431
06	T4-S3-07-D	JQ36C	JQ36C	08/12/06	1504
07	T4-S3-04-B	JQ36F	JQ36F	08/12/06	1538
08	T4-S3-04-C	JQ36G	JQ36G	08/12/06	1611
09					
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12					
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17					
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19					
20					
21					
22					

FORM V SV

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0811 — Date Analyzed: 08/11/06

Instrument ID: NT6 — Time Analyzed: 0830

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	158517	7.65	584278	9.67	318444	12.55
	UPPER LIMIT	317034	8.15	1168556	10.17	636888	13.05
	LOWER LIMIT	79258	7.15	292139	9.17	159222	12.05
	CLIENT SAMP. NO.						
01	JQ36MBS1	163704	7.65	603412	9.67	328721	12.54
02	JQ36LCSS1	172258	7.65	638535	9.67	347444	12.55
03	T4-S3-07-E	190108	7.65	689211	9.67	375388	12.54
04	T4-S3-07-E M	193322	7.66	702105	9.68	397577	12.54
05	T4-S3-07-E M	193448	7.66	698512	9.68	392633	12.54
06	T4-S3-04-A	187837	7.65	660486	9.67	356789	12.55
07	T4-S3-04-D	196412	7.65	717717	9.67	395702	12.54
08	T4-WB-01	188317	7.65	690238	9.67	376457	12.54
09	T4-WB-02	195790	7.65	714275	9.67	394209	12.55
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0811 — Date Analyzed: 08/11/06

Instrument ID: NT6 — Time Analyzed: 0830

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	463777	14.93	336614	19.26	420407	21.43
	UPPER LIMIT	927554	15.43	673228	19.76	840814	21.93
	LOWER LIMIT	231888	14.43	168307	18.76	210204	20.93
	CLIENT SAMP. NO.						
01	JQ36MBS1	475282	14.93	348423	19.26	365941	21.43
02	JQ36LCSS1	520270	14.93	378879	19.27	431226	21.43
03	T4-S3-07-E	530676	14.93	396244	19.26	471029	21.43
04	T4-S3-07-E M	573118	14.93	434923	19.26	510775	21.43
05	T4-S3-07-E M	554439	14.93	417221	19.26	488890	21.43
06	T4-S3-04-A	480560	14.93	342035	19.31	504159	21.49
07	T4-S3-04-D	563140	14.93	426383	19.26	466270	21.43
08	T4-WB-01	533319	14.93	429594	19.27	471947	21.44
09	T4-WB-02	561185	14.93	447953	19.27	495952	21.44
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0811 — Date Analyzed: 08/11/06

Instrument ID: NT6 — Time Analyzed: 0830

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	762795	20.40				
	UPPER LIMIT	1525590	20.90				
	LOWER LIMIT	381398	19.90				
	CLIENT SAMP. NO.						
01	JQ36MBS1	776162	20.40				
02	JQ36LCSS1	865388	20.40				
03	T4-S3-07-E	886141	20.41				
04	T4-S3-07-E M	942706	20.41				
05	T4-S3-07-E M	908189	20.40				
06	T4-S3-04-A	942628	20.43				
07	T4-S3-04-D	952769	20.40				
08	T4-WB-01	954064	20.41				
09	T4-WB-02	972840	20.41				
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IS7 = Di-n-octylphthalate-d4

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

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

FORM VIII SV-3

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0812 — Date Analyzed: 08/12/06

Instrument ID: NT6 — Time Analyzed: 1039

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	192813	7.61	717645	9.64	392612	12.51
	UPPER LIMIT	385626	8.11	1435290	10.14	785224	13.01
	LOWER LIMIT	96406	7.11	358822	9.14	196306	12.01
	CLIENT SAMP. NO.						
01	T4-WB-03	189297	7.61	691457	9.63	381353	12.50
02	T4-WB-04	199894	7.62	729399	9.64	403650	12.50
03	T4-S3-07-B	193330	7.62	709626	9.64	388836	12.51
04	T4-S3-07-C	204354	7.61	767072	9.64	422556	12.51
05	T4-S3-07-D	218635	7.62	784993	9.63	419881	12.51
06	T4-S3-04-B	207546	7.61	756175	9.64	423867	12.51
07	T4-S3-04-C	210882	7.61	765059	9.64	418735	12.51
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

FORM VIII SV-1

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0812 — Date Analyzed: 08/12/06

Instrument ID: NT6 — Time Analyzed: 1039

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	585303	14.89	417116	19.23	463417	21.39
	UPPER LIMIT	1170606	15.39	834232	19.73	926834	21.89
	LOWER LIMIT	292652	14.39	208558	18.73	231708	20.89
	CLIENT SAMP. NO.						
01	T4-WB-03	544272	14.89	411178	19.23	455678	21.40
02	T4-WB-04	579141	14.89	419396	19.22	461470	21.40
03	T4-S3-07-B	524064	14.89	384925	19.25	462150	21.43
04	T4-S3-07-C	576206	14.90	429827	19.24	491436	21.42
05	T4-S3-07-D	542205	14.90	414375	19.27	487752	21.45
06	T4-S3-04-B	609831	14.90	454068	19.23	529524	21.40
07	T4-S3-04-C	561618	14.89	418250	19.25	532969	21.43
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

FORM VIII SV-2

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Cont. Calib. ID: CC0812 — Date Analyzed: 08/12/06

Instrument ID: NT6 — Time Analyzed: 1039

		IS7 AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	917217	20.37				
	UPPER LIMIT	1834434	20.87				
	LOWER LIMIT	458608	19.87				
	CLIENT SAMP. NO.						
01	T4-WB-03	942540	20.38				
02	T4-WB-04	947839	20.37				
03	T4-S3-07-B	911689	20.39				
04	T4-S3-07-C	964926	20.39				
05	T4-S3-07-D	950566	20.40				
06	T4-S3-04-B	962678	20.38				
07	T4-S3-04-C	973476	20.39				
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IS7 = Di-n-octylphthalate-d4

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

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

FORM VIII SV-3

Semivolatile Organics
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-07-B
SAMPLE

Lab Sample ID: JQ36A
LIMS ID: 06-12972
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 13:58
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 46.7%
pH: 6.9

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**	**35 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**40**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	68.4%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36a.d
Lab Smp Id: JQ36A — Client Smp ID: T4-S3-07-B
Inj Date : 12-AUG-2006 13:58
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ36A
Misc Info : 06-12972
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff — Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 — Cal File: 0400810.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/15/06

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	94.90000	Weight of sample extracted (g)
M	46.70000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.748	5.700	(0.755)	342400	22.8790	452.3
$ 2 Phenol-d5	99	7.190	7.169	(0.944)	447409	25.7599	509.3
3 Phenol	94	7.217	7.191	(0.947)	35042	1.72002	34.00
$ 5 2-Chlorophenol-d4	132	7.324	7.314	(0.961)	343764	24.3827	482.0
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	7.351	7.335	(0.965)	8166	0.60815 LJR	12.02
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	7.618	7.607	(1.000)	193330	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.906	7.907	(1.038)	130318	15.0773	298.1
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.526	8.526	(0.885)	268336	15.3648	303.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.343	9.413	(0.970)	174434	17.5587	347.1(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.637	9.637	(1.000)	709626	20.0000	
	28 Naphthalene	128	9.664	9.669	(1.003)	142604	3.62723	71.71
	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	10.786	10.791	(1.119)	31170	1.59050	31.44
	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	11.437	11.438	(0.915)	418782	16.7242	330.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.249	12.250	(0.979)	107149	3.01944	59.69
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.506	12.506	(1.000)	388836	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.554	12.554	(1.004)	229191	10.3457	204.5
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.816	12.816	(1.025)	83195	2.81956	55.74
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.376	13.377	(1.070)	173547	7.05494	139.5
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	13.601	13.607	(0.913)	5790	0.53018 LDC	10.48
$	55 2,4,6-Tribromophenol	330	13.804	13.804	(1.104)	73777	26.9016	531.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.894	14.889	(1.000)	524064	20.0000	
	60 Phenanthrene	178	14.936	14.926	(1.003)	1699511	67.0880	1326
	61 Anthracene	178	15.000	15.001	(1.007)	435312	13.8946	274.7
	62 Carbazole	167	15.284	15.284	(1.026)	297461	10.1473	200.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.010	16.005	(1.075)	63208	1.76119 B	34.82(M)
64 Fluoranthene	202	16.902	16.876	(1.135)	3455151	111.725 E	2209
65 Pyrene	202	17.260	17.229	(0.897)	3688756	112.605 E	2226
$ 66 Terphenyl-d14	244	17.554	17.549	(0.912)	339407	17.0651	337.4
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.226	19.200	(0.999)	2114428	83.0788 E	1642
* 69 Chrysene-d12	240	19.247	19.227	(1.000)	384925	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.296	19.264	(1.002)	2354533	91.8315 E	1816
72 bis(2-Ethylhexyl)phthalate	149	19.445	19.435	(0.954)	47992	2.01650	39.87(M)
* 134 Di-n-octylphthalate-d4	153	20.391	20.370	(1.000)	911689	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.920	20.861	(0.976)	3429791	119.318 E	2359
75 Benzo(k)fluoranthene	252	20.936	20.899	(0.977)	1630855	80.6997 E	1595(M)
76 Benzo(a)pyrene	252	21.374	21.310	(0.998)	2754426	105.248 E	2081
* 77 Perylene-d12	264	21.427	21.390	(1.000)	462150	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.008	22.929	(1.074)	2298955	70.1130	1386
79 Dibenzo(a,h)anthracene	278	23.014	22.955	(1.074)	411603	15.1473	299.5(M)
80 Benzo(g,h,i)perylene	276	23.452	23.356	(1.094)	2174049	71.7700	1419
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.962	10.962	(1.137)	20638	1.03421	20.45
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36a.d
Lab Smp Id: JQ36A
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12972

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-07-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	193330	0.27
27 Naphthalene-d8	717645	358822	1435290	709626	-1.12
42 Acenaphthene-d10	392612	196306	785224	388836	-0.96
59 Phenanthrene-d10	585303	292652	1170606	524064	-10.46
69 Chrysene-d12	417116	208558	834232	384925	-7.72
134 Di-n-octylphthala	917217	458608	1834434	911689	-0.60
77 Perylene-d12	463417	231708	926834	462150	-0.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.62	0.14
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.00
59 Phenanthrene-d10	14.89	14.39	15.39	14.89	0.03
69 Chrysene-d12	19.23	18.73	19.73	19.25	0.11
134 Di-n-octylphthala	20.37	19.87	20.87	20.39	0.10
77 Perylene-d12	21.39	20.89	21.89	21.43	0.17

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36A
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12972

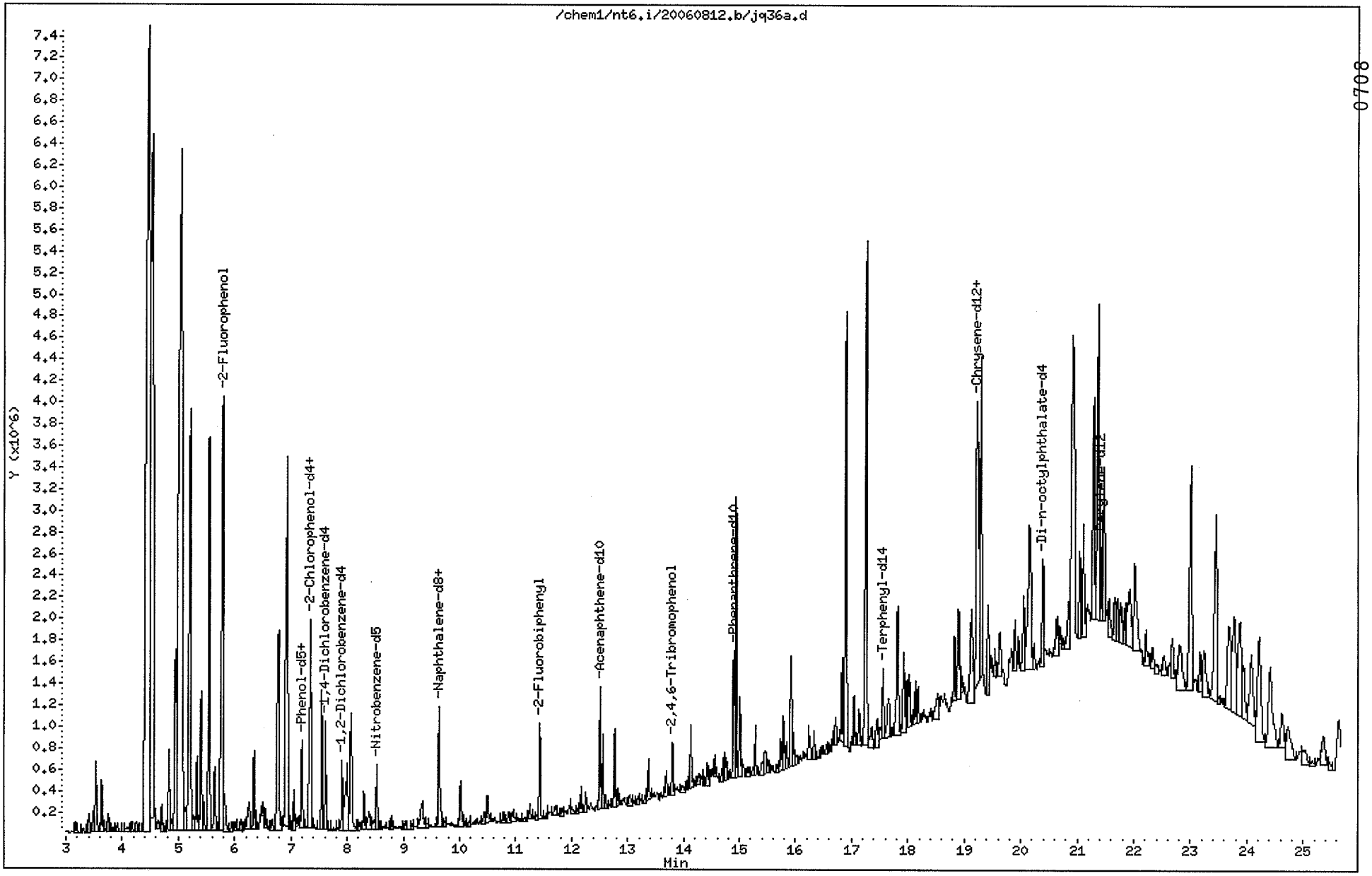
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.4	452.3	61.01	22-91
$ 2 Phenol-d5	741.4	509.3	68.69	26-99
$ 5 2-Chlorophenol-d4	741.4	482.0	65.02	29-96
$ 10 1,2-Dichlorobenzen	494.2	298.1	60.31	24-87
$ 18 Nitrobenzene-d5	494.2	303.8	61.46	27-101
$ 36 2-Fluorobiphenyl	494.2	330.6	66.90	30-100
$ 55 2,4,6-Tribromophen	741.4	531.8	71.74	20-114
$ 66 Terphenyl-d14	494.2	337.4	68.26	12-120

Data File: /chem1/nt6.i/20060812.b/jq36a.d
Date : 12-AUG-2006 13:58
Client ID: T4-S3-07-B
Sample Info: JQ36A
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0708

Data File: /chem1/nt6.i/20060812.b/jq36a.d

Date : 12-AUG-2006 13:58

Client ID: T4-S3-07-B

Instrument: nt6.i

Sample Info: JQ36A

Volume Injected (uL): 1.0

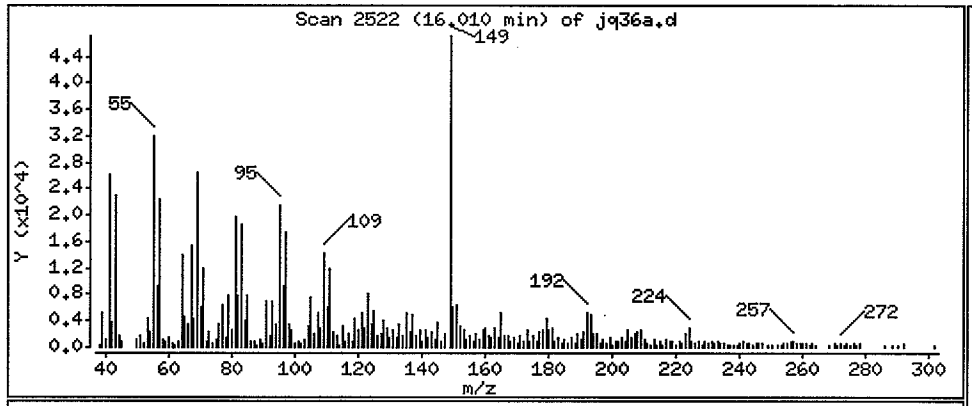
Operator: LJR

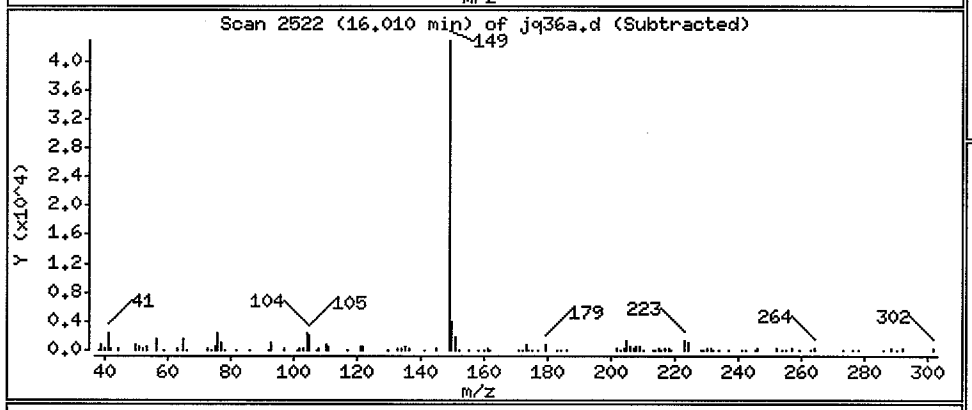
Column phase: ZB-5

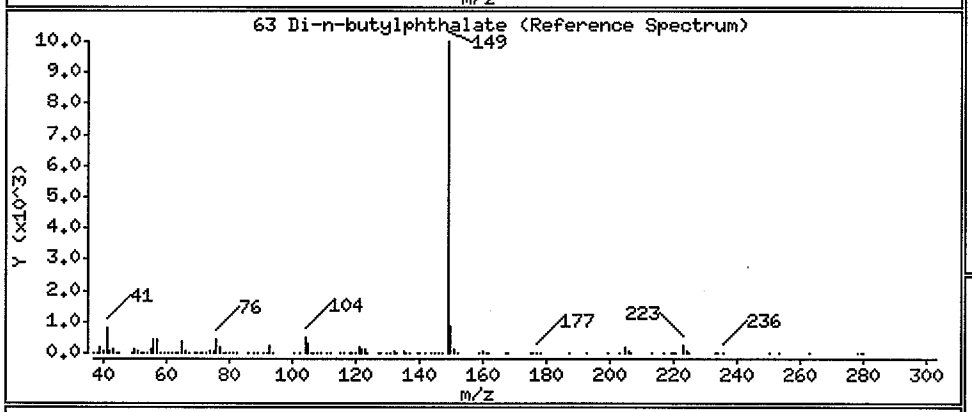
Column diameter: 0.32

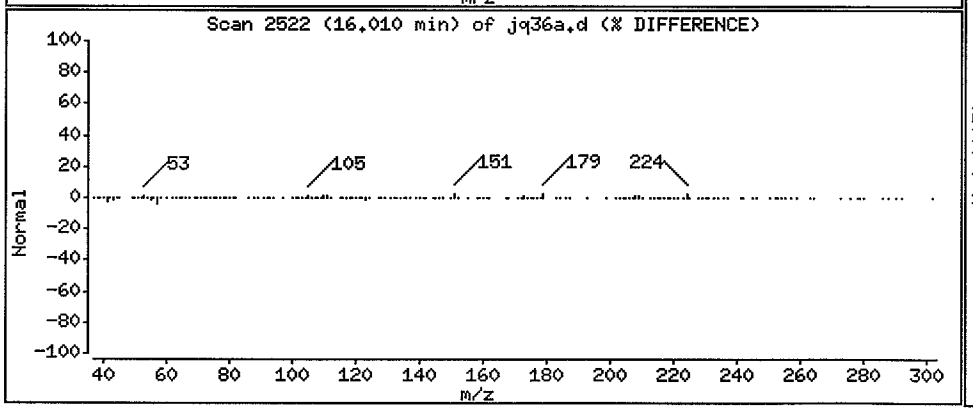
63 Di-n-butylphthalate

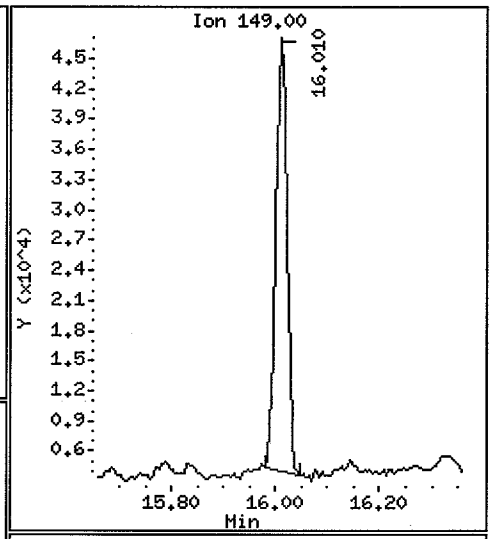
Concentration: 34.82 ug/kg

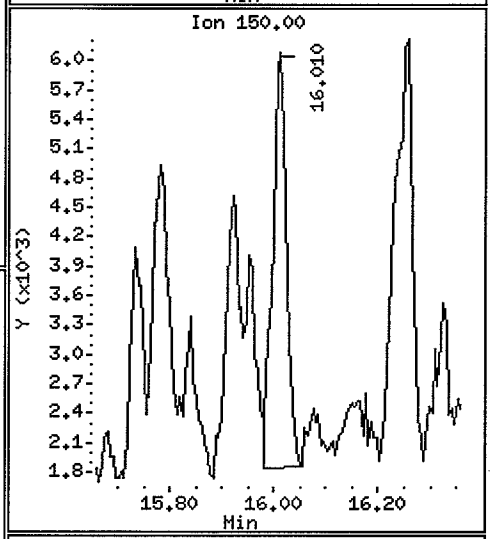


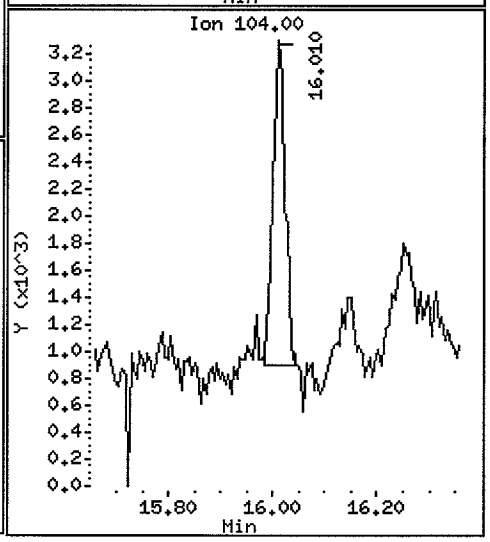












Data File: /chem1/nt6.i/20060812.b/jq36a.d

Date : 12-AUG-2006 13:58

Client ID: T4-S3-07-B

Instrument: nt6.i

Sample Info: JQ36A

Volume Injected (uL): 1.0

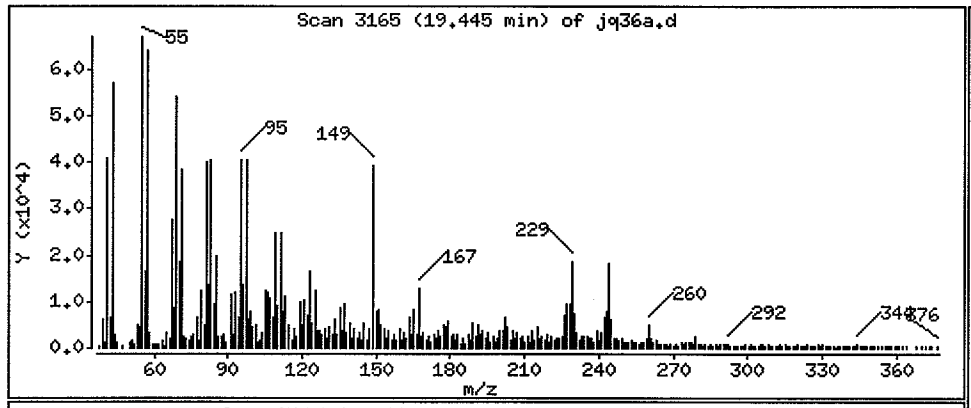
Operator: LJR

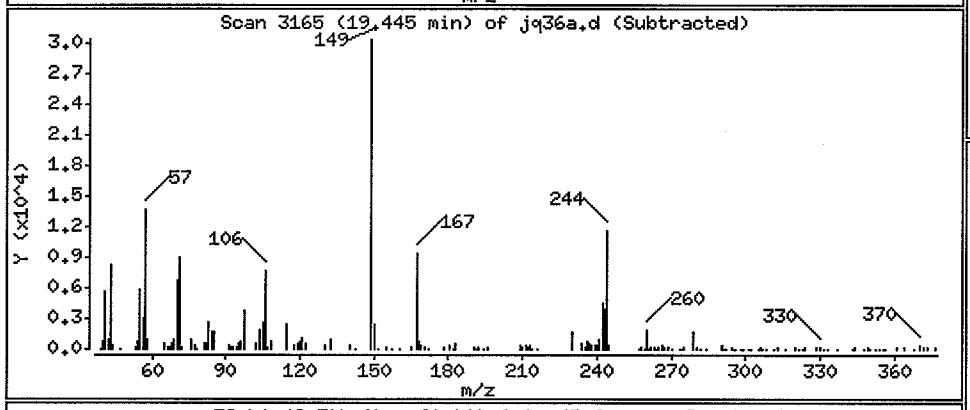
Column phase: ZB-5

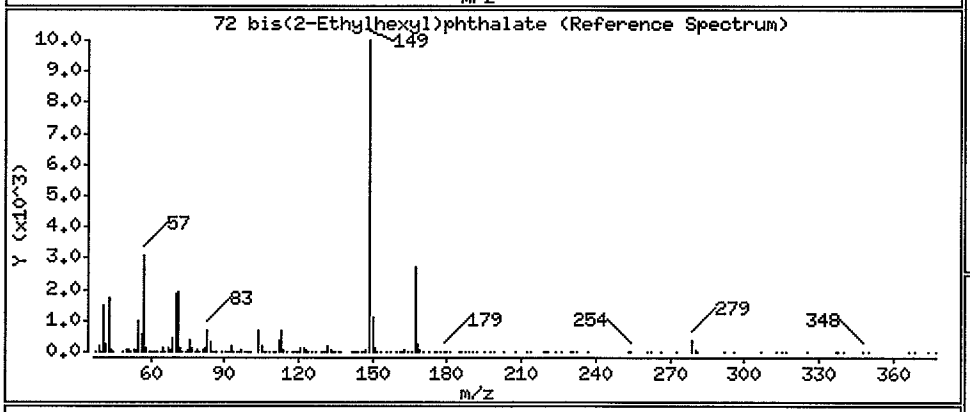
Column diameter: 0.32

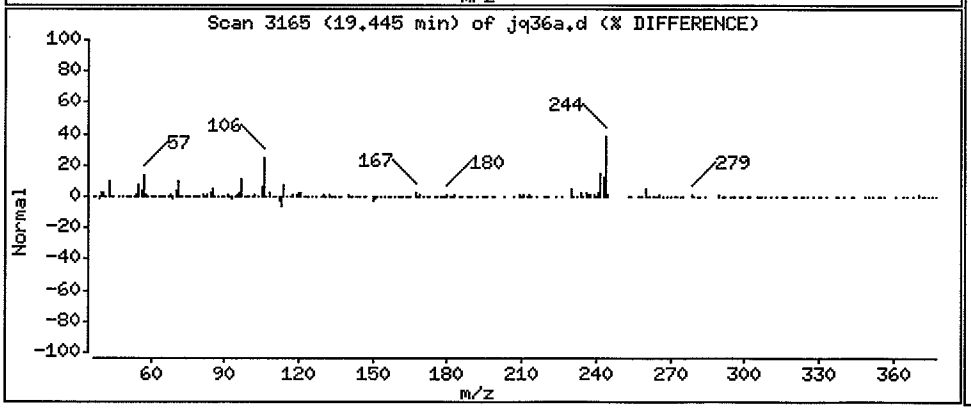
72 bis(2-Ethylhexyl)phthalate

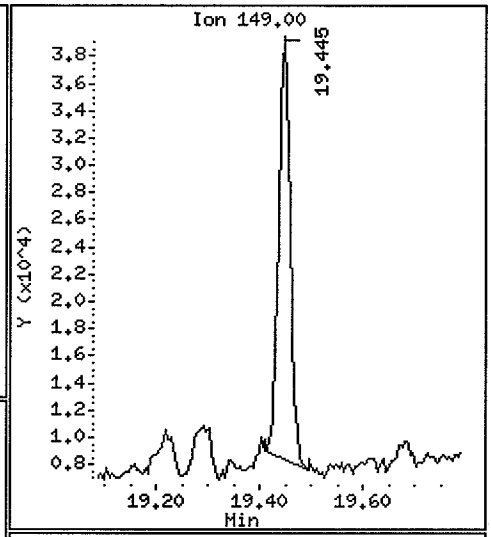
Concentration: 39.87 ug/kg

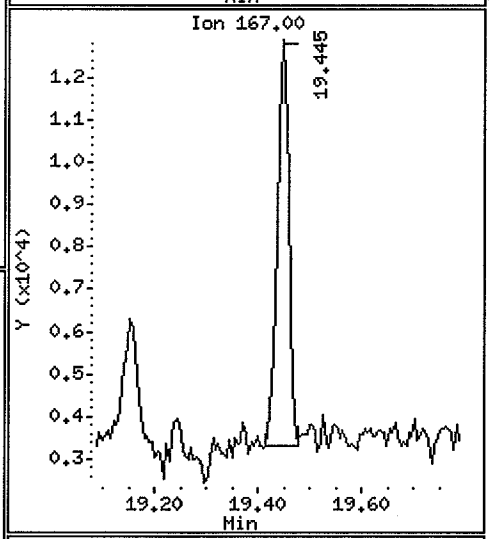


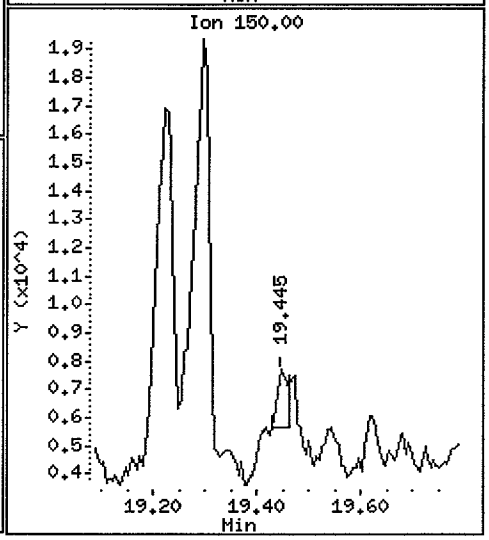




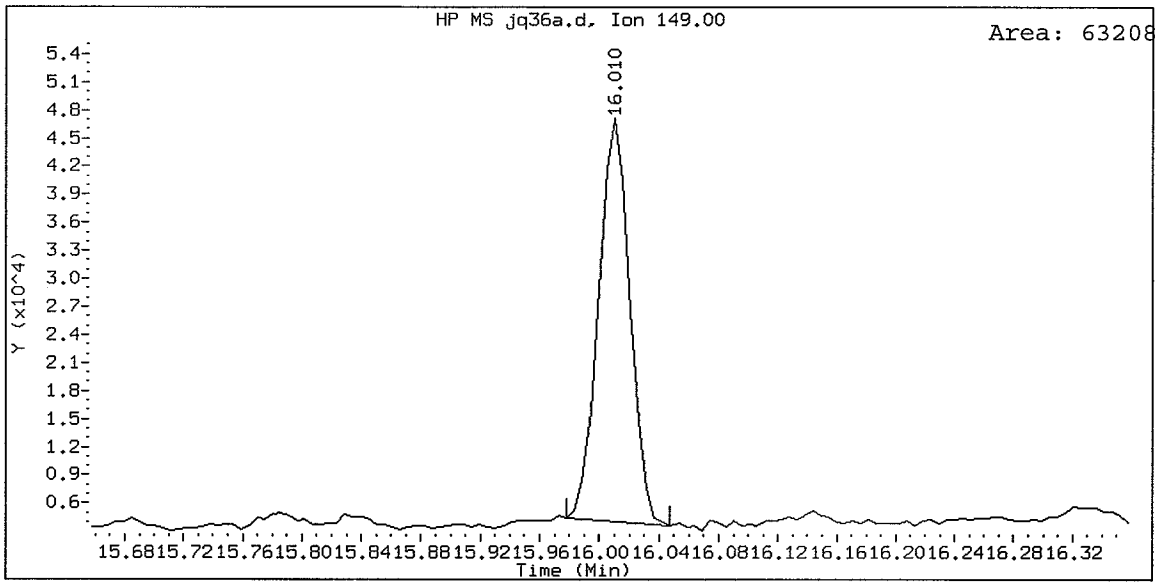


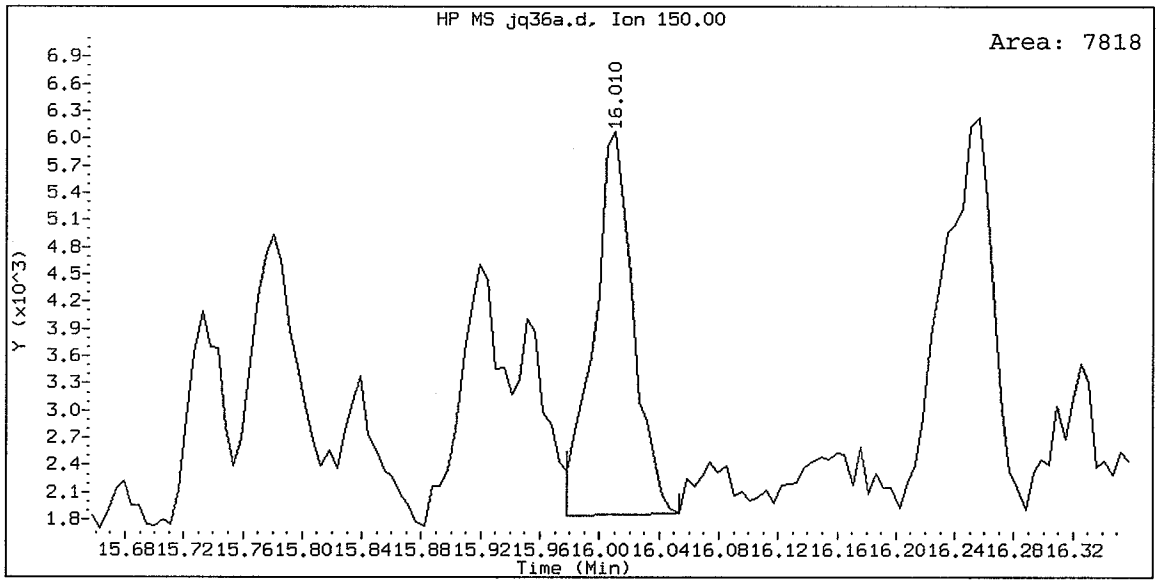


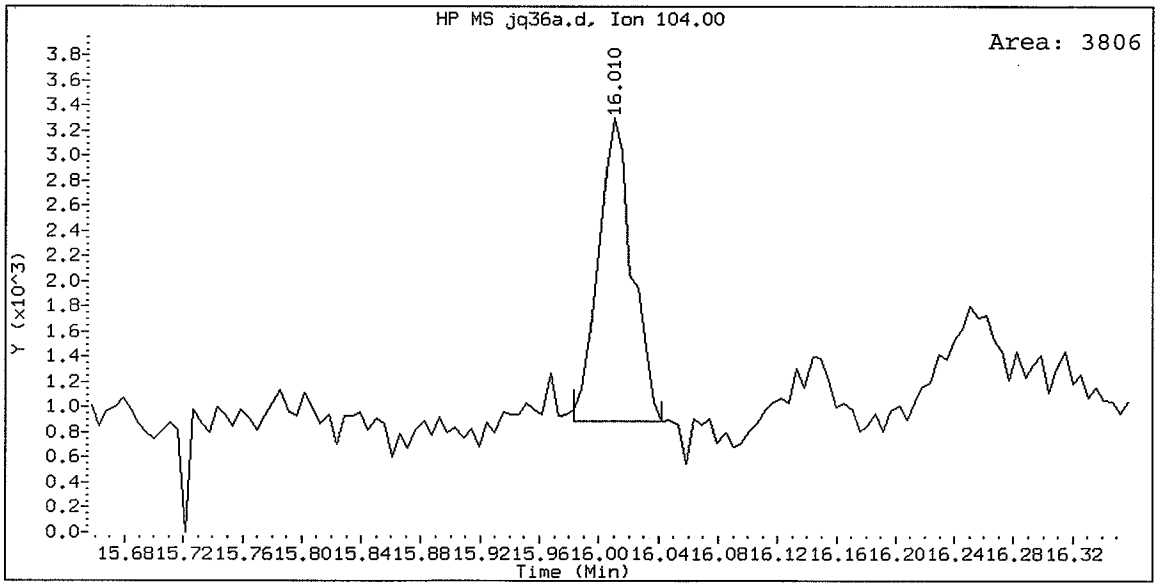




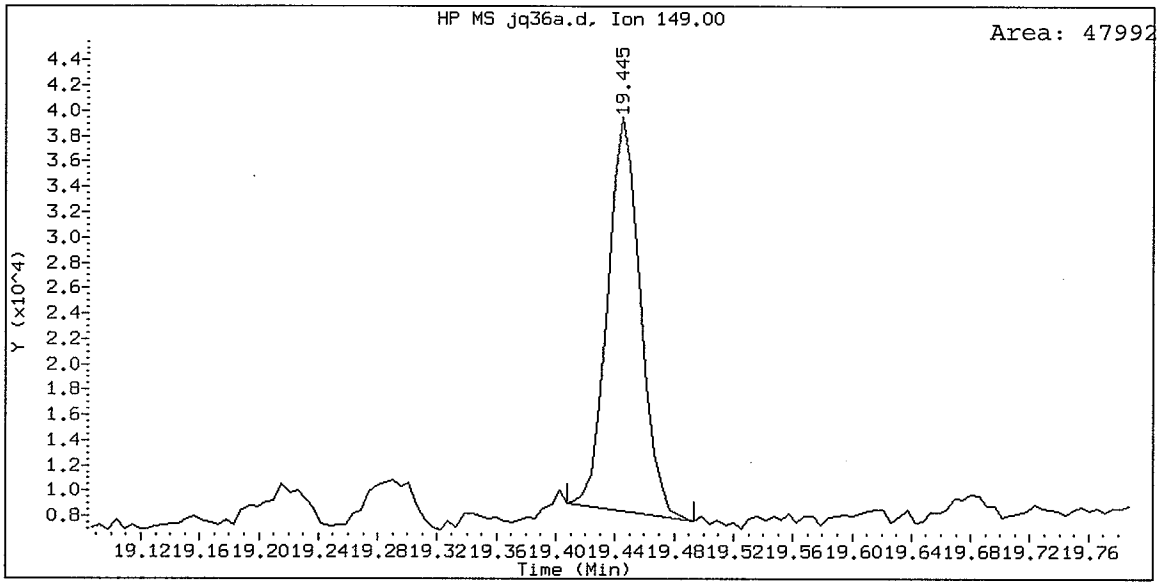
JQ36A, /chem1/nt6.i/20060812.b/jq36a.d
Di-n-butylphthalate Amount: 1.76

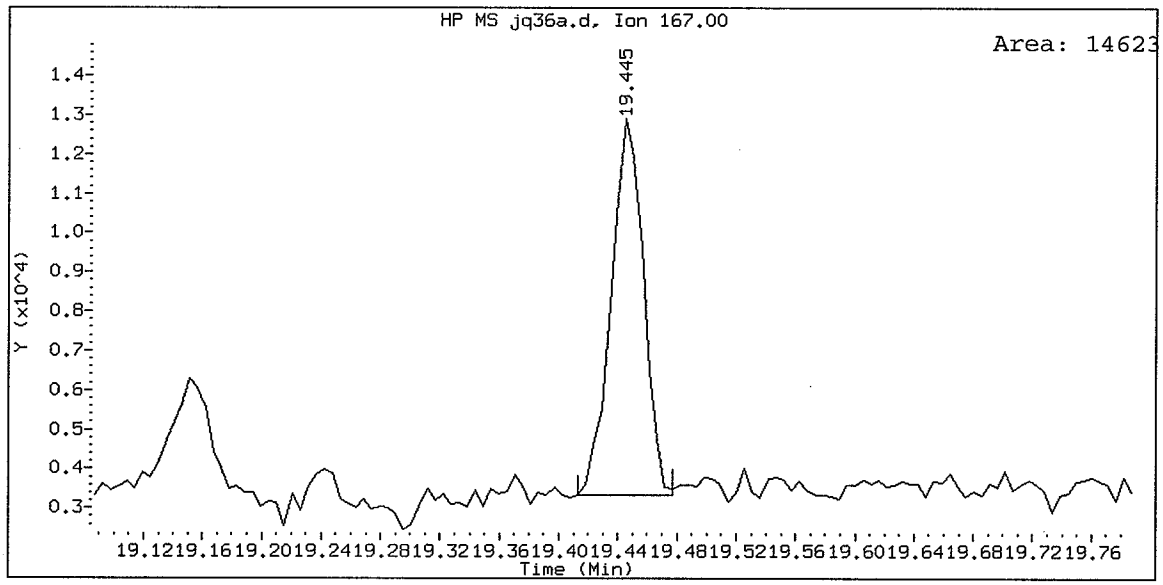


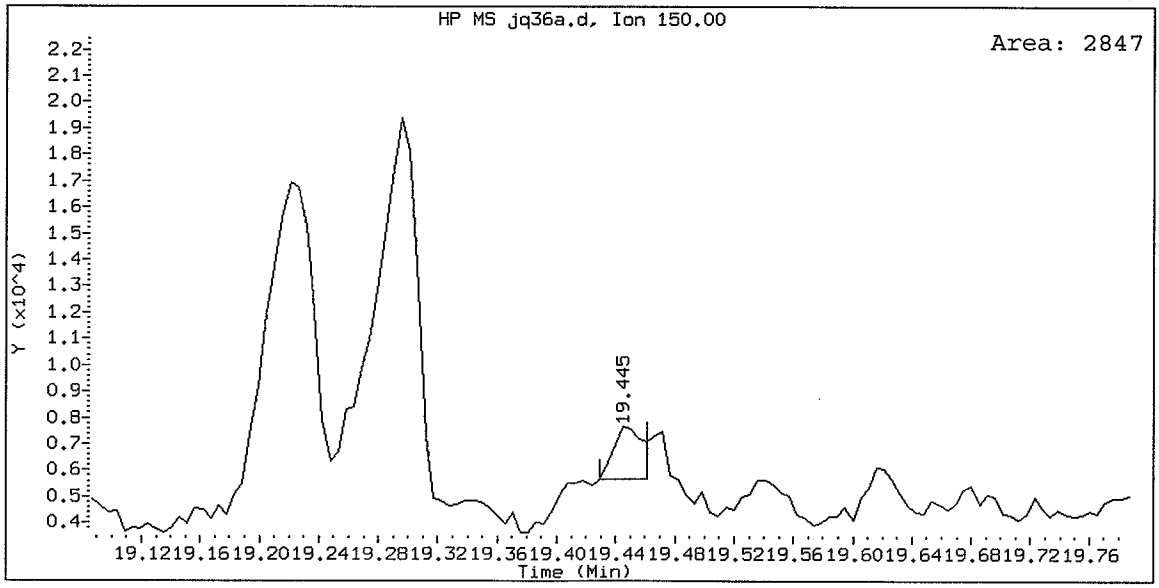




JQ36A, /chem1/nt6.i/20060812.b/jq36a.d
bis(2-Ethylhexyl)phthalate Amount: 2.02







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-07-C
SAMPLE

Lab Sample ID: JQ36B
LIMS ID: 06-12973
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 14:31
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 45.2%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**32 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**24**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	51.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36b.d
Lab Smp Id: JQ36B — Client Smp ID: T4-S3-07-C
Inj Date : 12-AUG-2006 14:31
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ36B
Misc Info : 06-12973
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff — Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 — Cal File: 0400810.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/13/06

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	92.60000	Weight of sample extracted (g)
M	45.20000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.728	5.700	(0.752)	281745	17.8105	351.0
$ 2 Phenol-d5	99	7.202	7.169	(0.946)	351075	19.1230	376.8
3 Phenol	94	7.224	7.191	(0.949)	24334	1.12999	22.27
$ 5 2-Chlorophenol-d4	132	7.320	7.314	(0.961)	275955	18.5172	364.9
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	Compound Not Detected.					
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	7.614	7.607	(1.000)	204354	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.908	7.907	(1.039)	106410	11.6471	229.5
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	8.340	8.334	(1.095)	10585	0.72786 LDL	14.34
$	18 Nitrobenzene-d5	82	8.527	8.526	(0.885)	212242	11.2428	221.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.329	9.413	(0.968)	134460	12.5213	246.7(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.638	9.637	(1.000)	767072	20.0000	
	28 Naphthalene	128	9.665	9.669	(1.003)	71755	1.66644	32.84
	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	10.787	10.791	(1.119)	19978	0.94307 LDL	18.58
	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	11.433	11.438	(0.914)	338465	12.4381	245.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.251	12.250	(0.979)	26628	0.69049 LDL	13.61(MH)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.507	12.506	(1.000)	422556	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.555	12.554	(1.004)	177626	7.37818	145.4
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.817	12.816	(1.025)	58977	1.83929	36.25
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.378	13.377	(1.070)	109990	4.11445	81.08
	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	13.800	13.804	(1.103)	61840	20.7495	408.9
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.895	14.889	(1.000)	576206	20.0000	
	60 Phenanthrene	178	14.932	14.926	(1.002)	1046580	33.4503	659.2
	61 Anthracene	178	15.002	15.001	(1.007)	246960	7.16931	141.3
	62 Carbazole	167	15.285	15.284	(1.026)	189983	5.79243	114.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.006	16.005	(1.075)	64733	1.64046 B	32.33
64 Fluoranthene	202	16.888	16.876	(1.134)	1954136	57.4703	1133
65 Pyrene	202	17.246	17.229	(0.896)	1948515	53.2677	1050
$ 66 Terphenyl-d14	244	17.555	17.549	(0.912)	284230	12.7979	252.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.217	19.200	(0.999)	1259415	44.3148	873.3
* 69 Chrysene-d12	240	19.244	19.227	(1.000)	429827	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.286	19.264	(1.002)	1347058	47.0496	927.2
72 bis(2-Ethylhexyl)phthalate	149	19.441	19.435	(0.954)	31015	1.23127	24.26(M)
* 134 Di-n-octylphthalate-d4	153	20.387	20.370	(1.000)	964926	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.900	20.861	(0.976)	1850886	60.5526	1193
75 Benzo(k)fluoranthene	252	20.921	20.899	(0.977)	1286875	52.4172	1033(M)
76 Benzo(a)pyrene	252	21.354	21.310	(0.997)	1620360	58.2251	1147
* 77 Perylene-d12	264	21.418	21.390	(1.000)	491436	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.978	22.929	(1.073)	1333450	38.2438	753.6
79 Dibenzo(a,h)anthracene	278	22.994	22.955	(1.074)	280332	9.70162	191.2(M)
80 Benzo(g,h,i)perylene	276	23.416	23.356	(1.093)	1271295	39.4672	777.8
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.963	10.962	(1.137)	12365	0.57323 LOQ	11.30
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: jq36b.d
Lab Smp Id: JQ36B
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12973

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-07-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	204354	5.99
27 Naphthalene-d8	717645	358822	1435290	767072	6.89
42 Acenaphthene-d10	392612	196306	785224	422556	7.63
59 Phenanthrene-d10	585303	292652	1170606	576206	-1.55
69 Chrysene-d12	417116	208558	834232	429827	3.05
134 Di-n-octylphthala	917217	458608	1834434	964926	5.20
77 Perylene-d12	463417	231708	926834	491436	6.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.61	0.08
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.01
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.01
59 Phenanthrene-d10	14.89	14.39	15.39	14.90	0.04
69 Chrysene-d12	19.23	18.73	19.73	19.24	0.09
134 Di-n-octylphthala	20.37	19.87	20.87	20.39	0.08
77 Perylene-d12	21.39	20.89	21.89	21.42	0.13

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

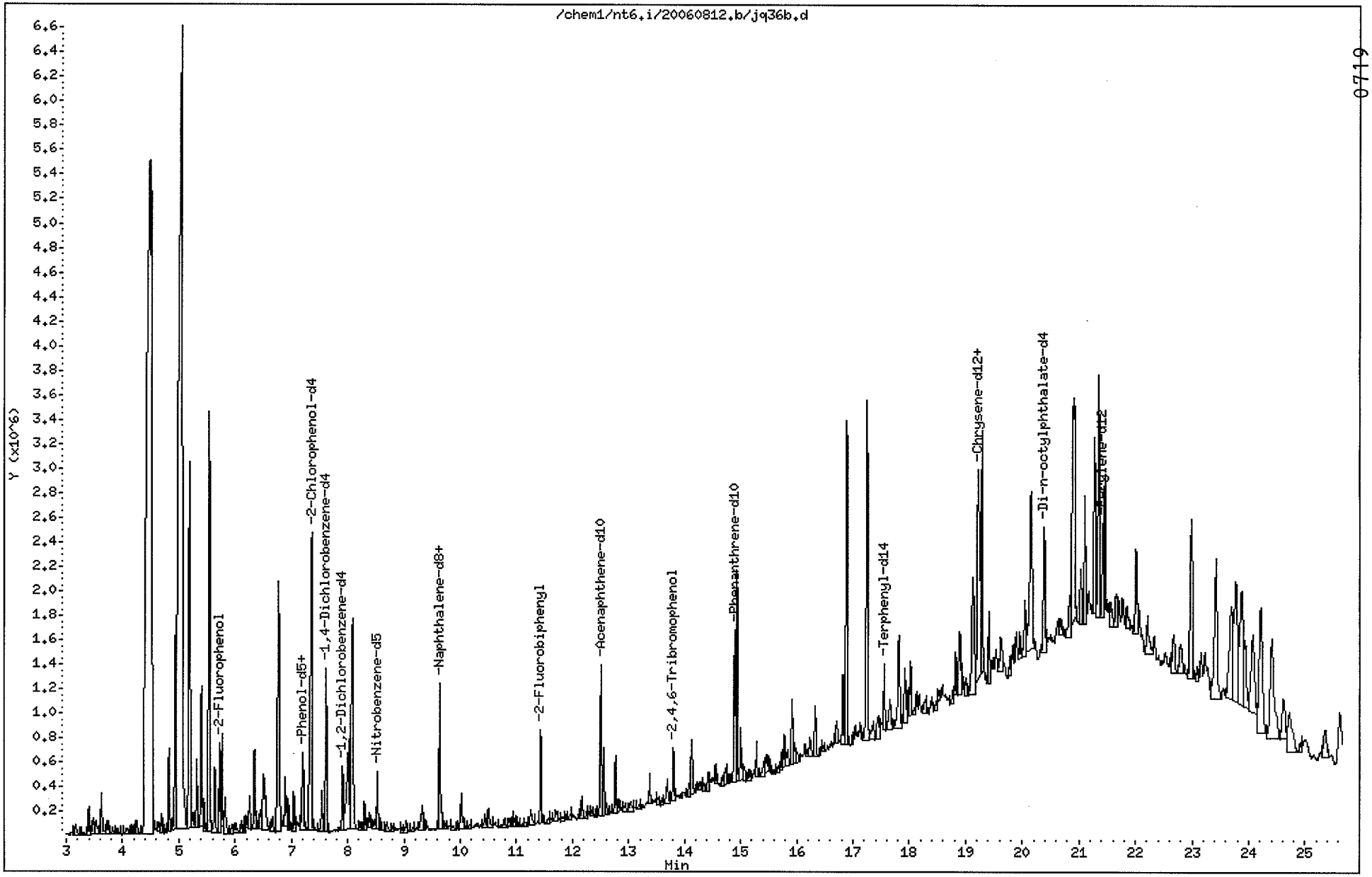
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36B
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12973

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.0	351.0	47.49	22-91
$ 2 Phenol-d5	739.0	376.8	50.99	26-99
$ 5 2-Chlorophenol-d4	739.0	364.9	49.38	29-96
$ 10 1,2-Dichlorobenzen	492.7	229.5	46.59	24-87
$ 18 Nitrobenzene-d5	492.7	221.6	44.97	27-101
$ 36 2-Fluorobiphenyl	492.7	245.1	49.75	30-100
$ 55 2,4,6-Tribromophen	739.0	408.9	55.33	20-114
$ 66 Terphenyl-d14	492.7	252.2	51.19	12-120

Data File: /chem1/nt6.i/20060812.b/jq36b.d
Date : 12-AUG-2006 14:31
Client ID: T4-S3-07-C
Sample Info: JQ36B
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0719

Data File: /chem1/nt6.i/20060812.b/jq36b.d

Date : 12-AUG-2006 14:31

Client ID: T4-S3-07-C

Instrument: nt6.i

Sample Info: JQ36B

Volume Injected (uL): 1.0

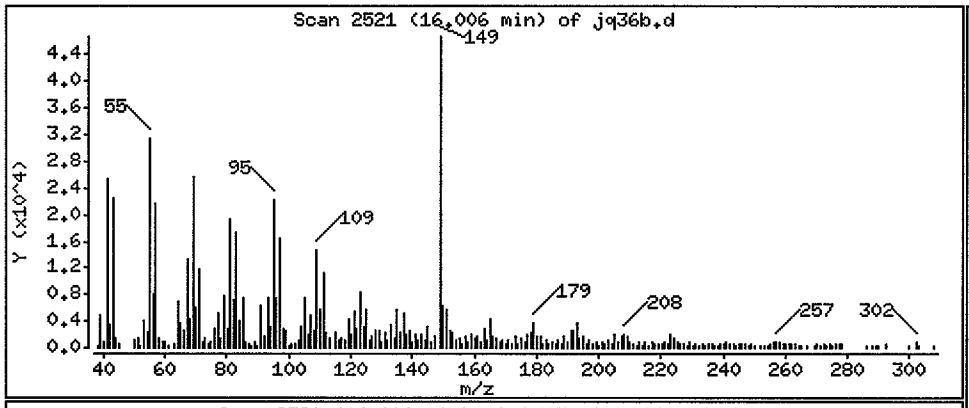
Operator: LJR

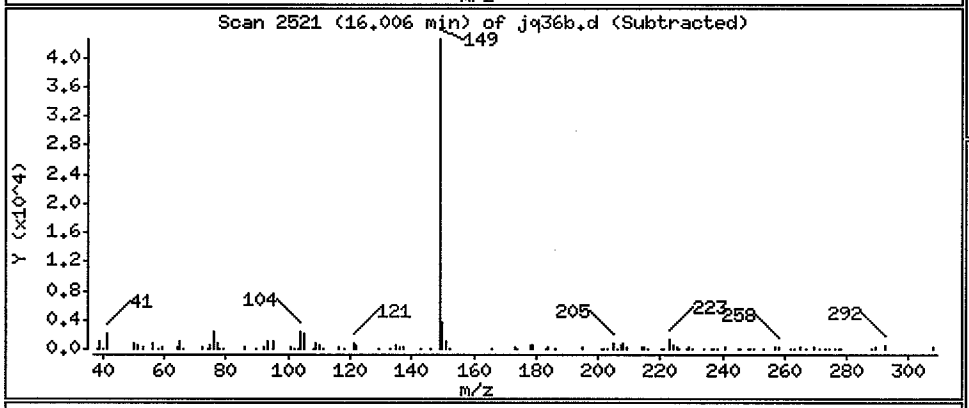
Column phase: ZB-5

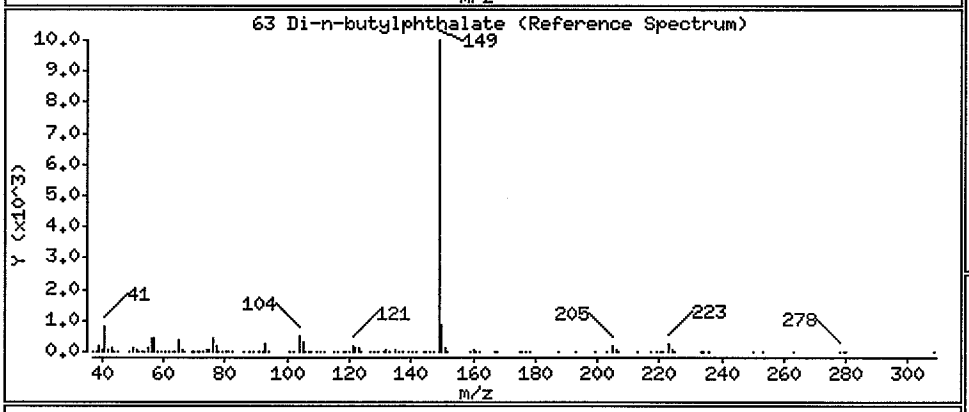
Column diameter: 0.32

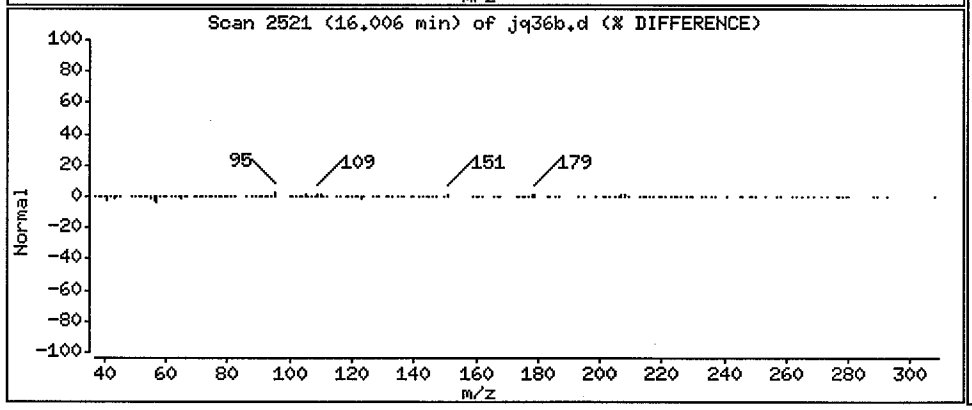
63 Di-n-butylphthalate

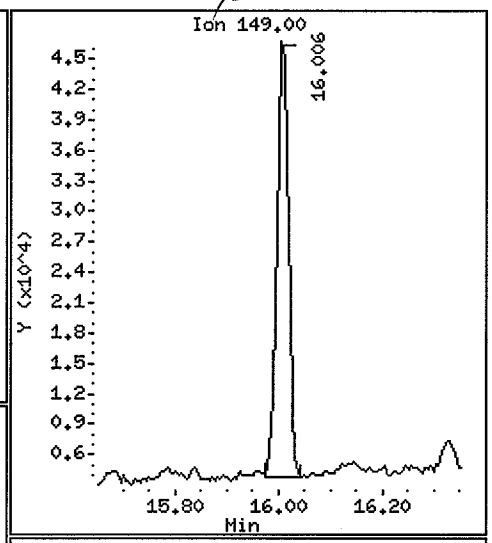
Concentration: 32.33 ug/kg

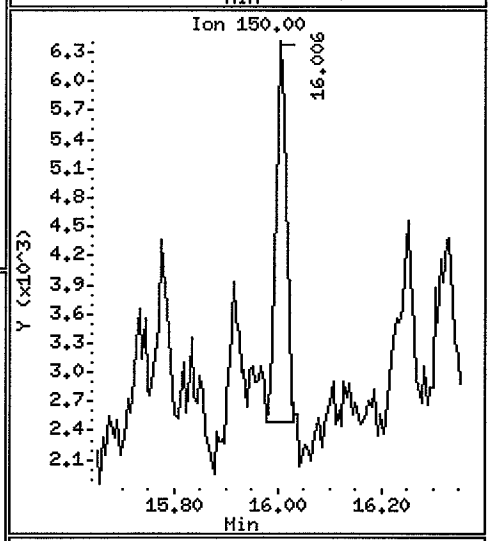


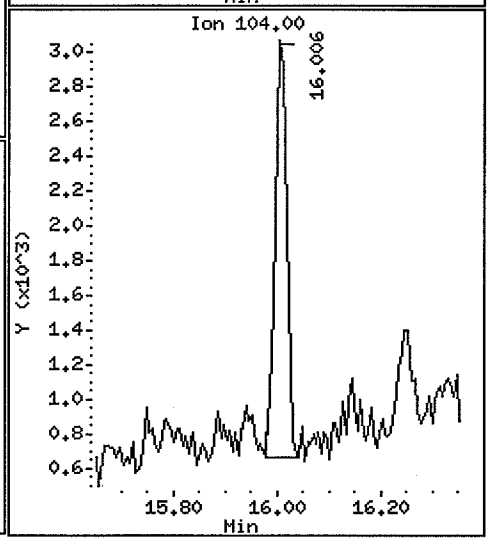












Data File: /chem1/nt6.i/20060812.b/jq36b.d

Date : 12-AUG-2006 14:31

Client ID: T4-S3-07-C

Instrument: nt6.i

Sample Info: JQ36B

Volume Injected (uL): 1.0

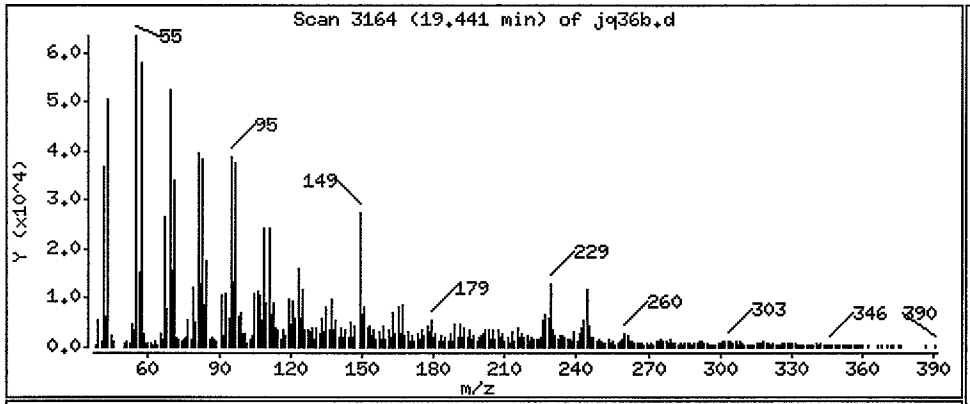
Operator: LJR

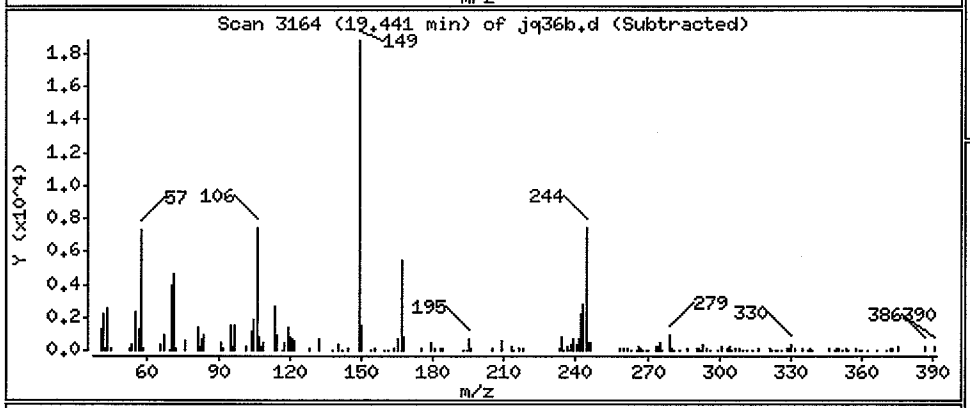
Column phase: ZB-5

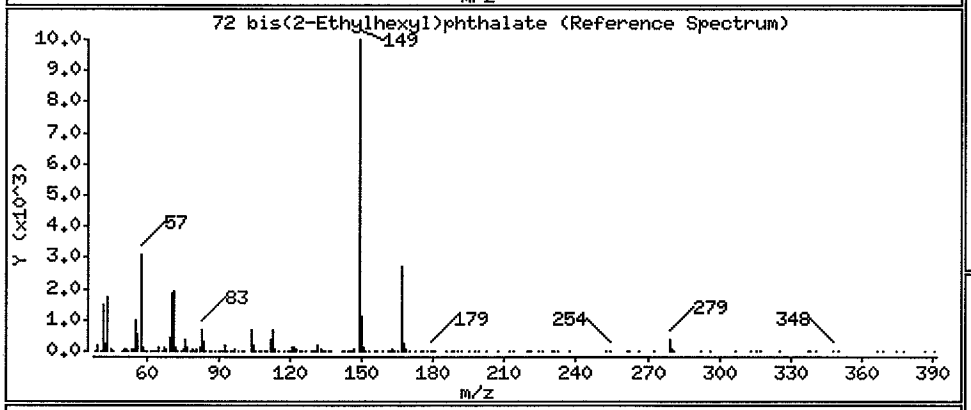
Column diameter: 0.32

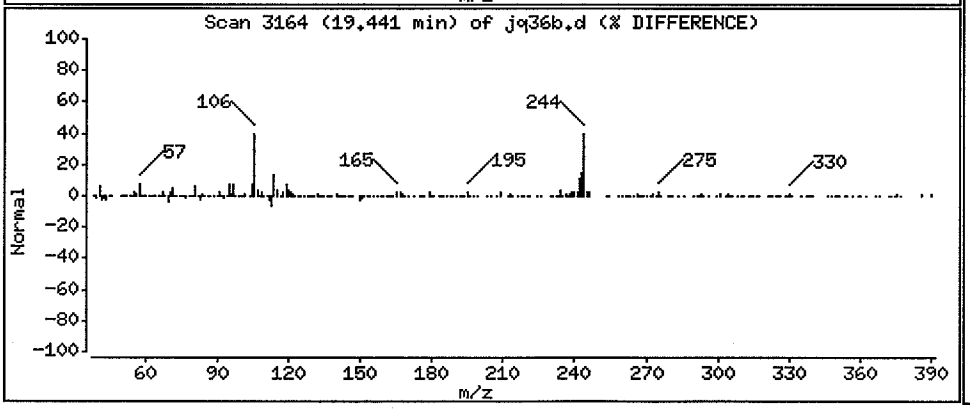
72 bis(2-Ethylhexyl)phthalate

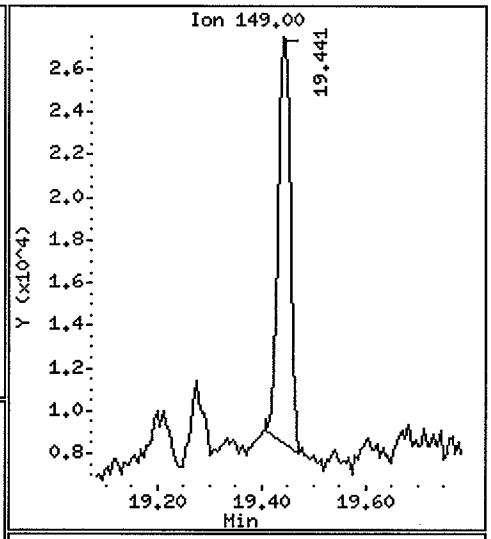
Concentration: 24.26 ug/kg

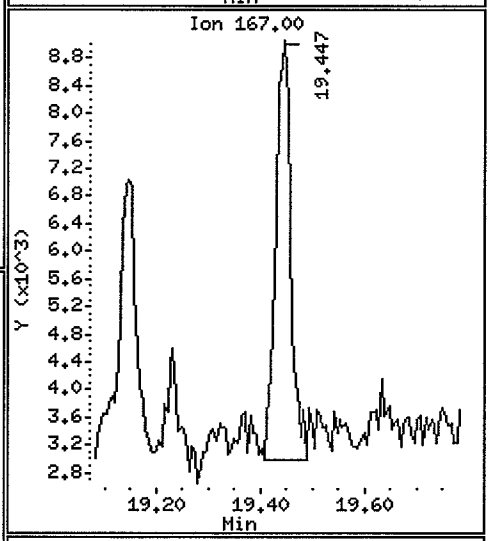


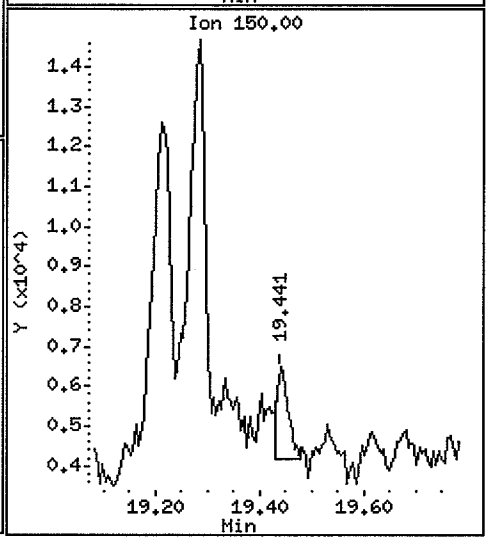




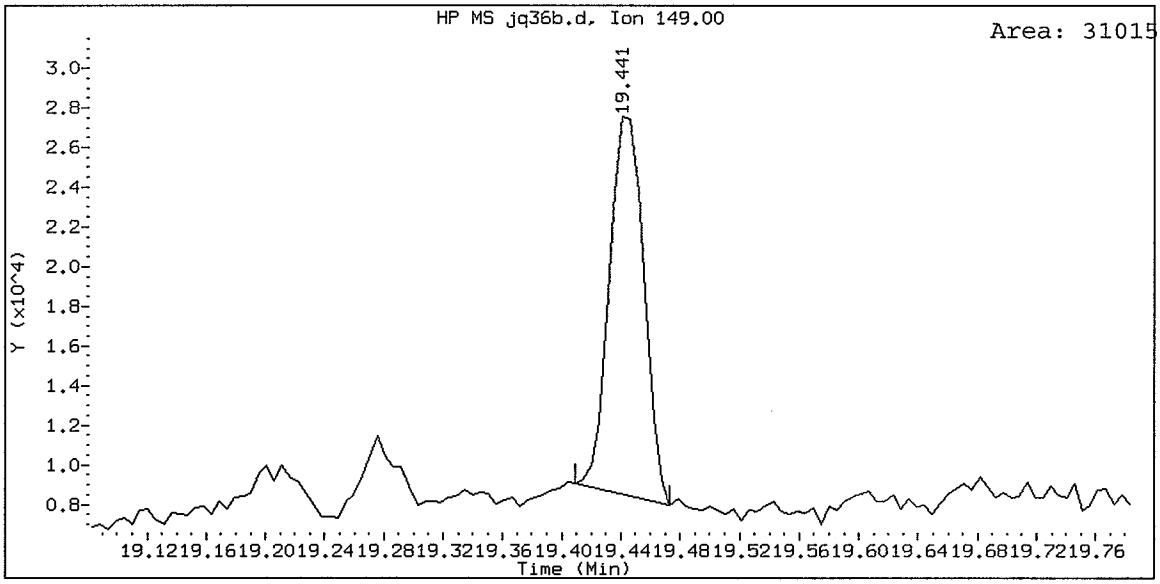


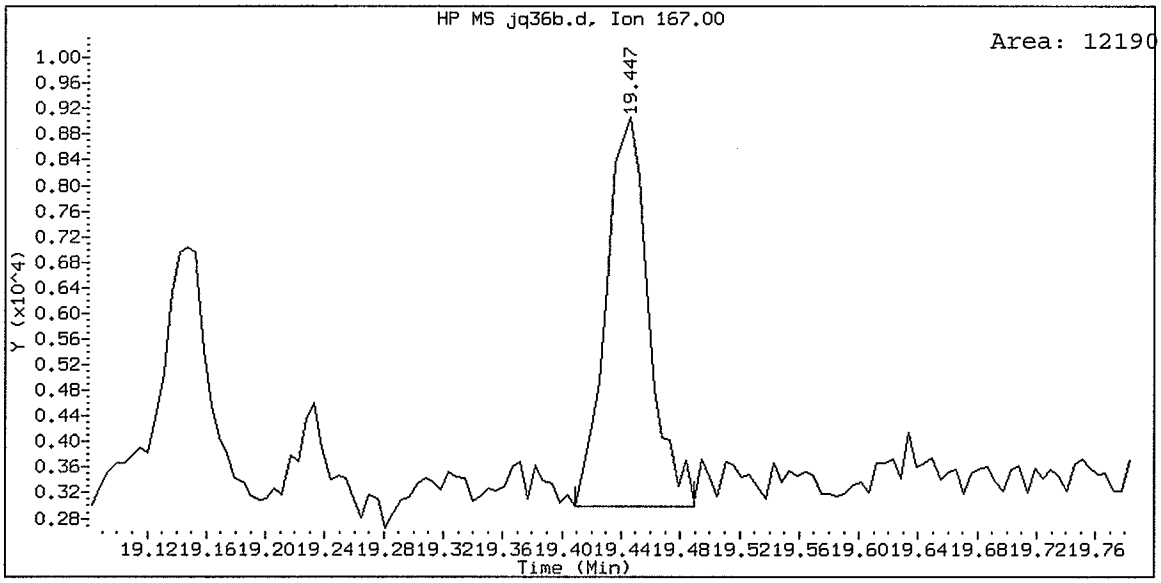


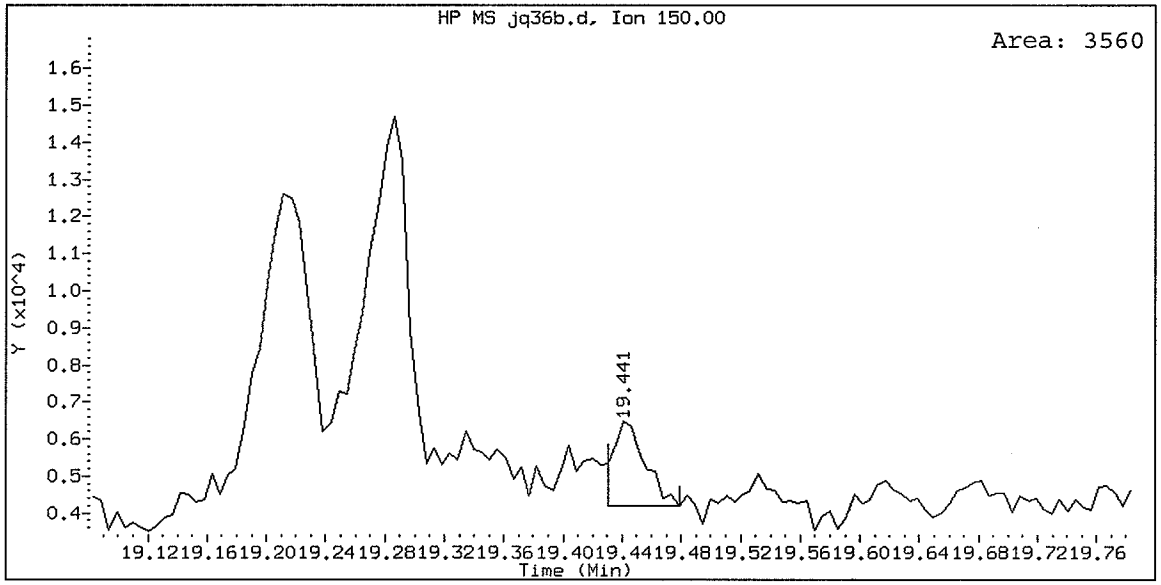




JQ36B, /chem1/nt6.i/20060812.b/jq36b.d
bis(2-Ethylhexyl)phthalate Amount: 1.23







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-07-D
SAMPLE

Lab Sample ID: JQ36C
LIMS ID: 06-12974
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 15:04
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 34.0%
pH: 6.8

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**	**22 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**60**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	64.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36c.d
Lab Smp Id: JQ36C Client Smp ID: T4-S3-07-D
Inj Date : 12-AUG-2006 15:04
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36C
Misc Info : 06-12974
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/13/06

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	76.80000	Weight of sample extracted (g)
M	34.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.789	5.700	(0.760)	269144	15.9026	313.7
$ 2 Phenol-d5	99	7.183	7.169	(0.943)	465231	23.6858	467.3
3 Phenol	94	7.204	7.191	(0.946)	29324	1.27276	25.11
$ 5 2-Chlorophenol-d4	132	7.327	7.314	(0.962)	370582	23.2426	458.5
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	7.616	7.607	(1.000)	218635	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.909	7.907	(1.039)	144242	14.7568	291.1
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	8.342	8.334	(1.095)	16919	1.08742	21.45
$	18 Nitrobenzene-d5	82	8.529	8.526	(0.885)	287699	14.8919	293.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.314	9.413	(0.967)	73464	6.68497 LOL	131.9(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.635	9.637	(1.000)	784993	20.0000	
	28 Naphthalene	128	9.667	9.669	(1.003)	201007	4.65280	91.79
	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	10.789	10.791	(1.120)	60177	2.77583	54.76
	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	11.435	11.438	(0.914)	450128	16.6469	328.4
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.253	12.250	(0.980)	49165	1.28302	25.31(M)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.509	12.506	(1.000)	419881	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.562	12.554	(1.004)	505712	21.1400	417.1
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.819	12.816	(1.025)	148226	4.65210	91.78
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.380	13.377	(1.070)	281226	10.5870	208.9
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	13.599	13.607	(0.913)	10498	0.92912 LPL	18.33
$	55 2,4,6-Tribromophenol	330	13.807	13.804	(1.104)	73939	24.9672	492.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.902	14.889	(1.000)	542205	20.0000	
	60 Phenanthrene	178	14.945	14.926	(1.003)	2292662	94.1076 E	1857
	61 Anthracene	178	15.009	15.001	(1.007)	571940	17.6447	348.1
	62 Carbazole	167	15.287	15.284	(1.026)	455179	15.3049	301.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.013	16.005	(1.075)	41877	1.12780 B	22.25(M)
64 Fluoranthene	202	16.911	16.876	(1.135)	4240810	132.542 E	2615
65 Pyrene	202	17.269	17.229	(0.896)	4149293	117.661 E	2321
$ 66 Terphenyl-d14	244	17.563	17.549	(0.912)	341528	15.9513	314.7
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.240	19.200	(0.999)	3124997	114.059 E	2250
* 69 Chrysene-d12	240	19.267	19.227	(1.000)	414375	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.320	19.264	(1.003)	3231431	117.075 E	2310
72 bis(2-Ethylhexyl)phthalate	149	19.454	19.435	(0.954)	75948	3.06063	60.38(M)
* 134 Di-n-octylphthalate-d4	153	20.399	20.370	(1.000)	950566	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.944	20.861	(0.976)	5222457	172.145 E	3396
75 Benzo(k)fluoranthene	252	20.966	20.899	(0.977)	1762118	83.5675 E	1649(M)
76 Benzo(a)pyrene	252	21.398	21.310	(0.998)	3651327	132.196 E	2608
* 77 Perylene-d12	264	21.452	21.390	(1.000)	487752	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.028	22.929	(1.073)	2422229	69.9950	1381
79 Dibenzo(a,h)anthracene	278	23.038	22.955	(1.074)	461061	16.0767	317.2(M)
80 Benzo(g,h,i)perylene	276	23.471	23.356	(1.094)	1992228	62.3156	1229
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.960	10.962	(1.137)	32793	1.48555	29.31
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36c.d
Lab Smp Id: JQ36C
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12974

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-07-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	218635	13.39
27 Naphthalene-d8	717645	358822	1435290	784993	9.38
42 Acenaphthene-d10	392612	196306	785224	419881	6.95
59 Phenanthrene-d10	585303	292652	1170606	542205	-7.36
69 Chrysene-d12	417116	208558	834232	414375	-0.66
134 Di-n-octylphthala	917217	458608	1834434	950566	3.64
77 Perylene-d12	463417	231708	926834	487752	5.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.62	0.11
27 Naphthalene-d8	9.64	9.14	10.14	9.63	-0.03
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.02
59 Phenanthrene-d10	14.89	14.39	15.39	14.90	0.09
69 Chrysene-d12	19.23	18.73	19.73	19.27	0.21
134 Di-n-octylphthala	20.37	19.87	20.87	20.40	0.15
77 Perylene-d12	21.39	20.89	21.89	21.45	0.29

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: JQ36C
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12974

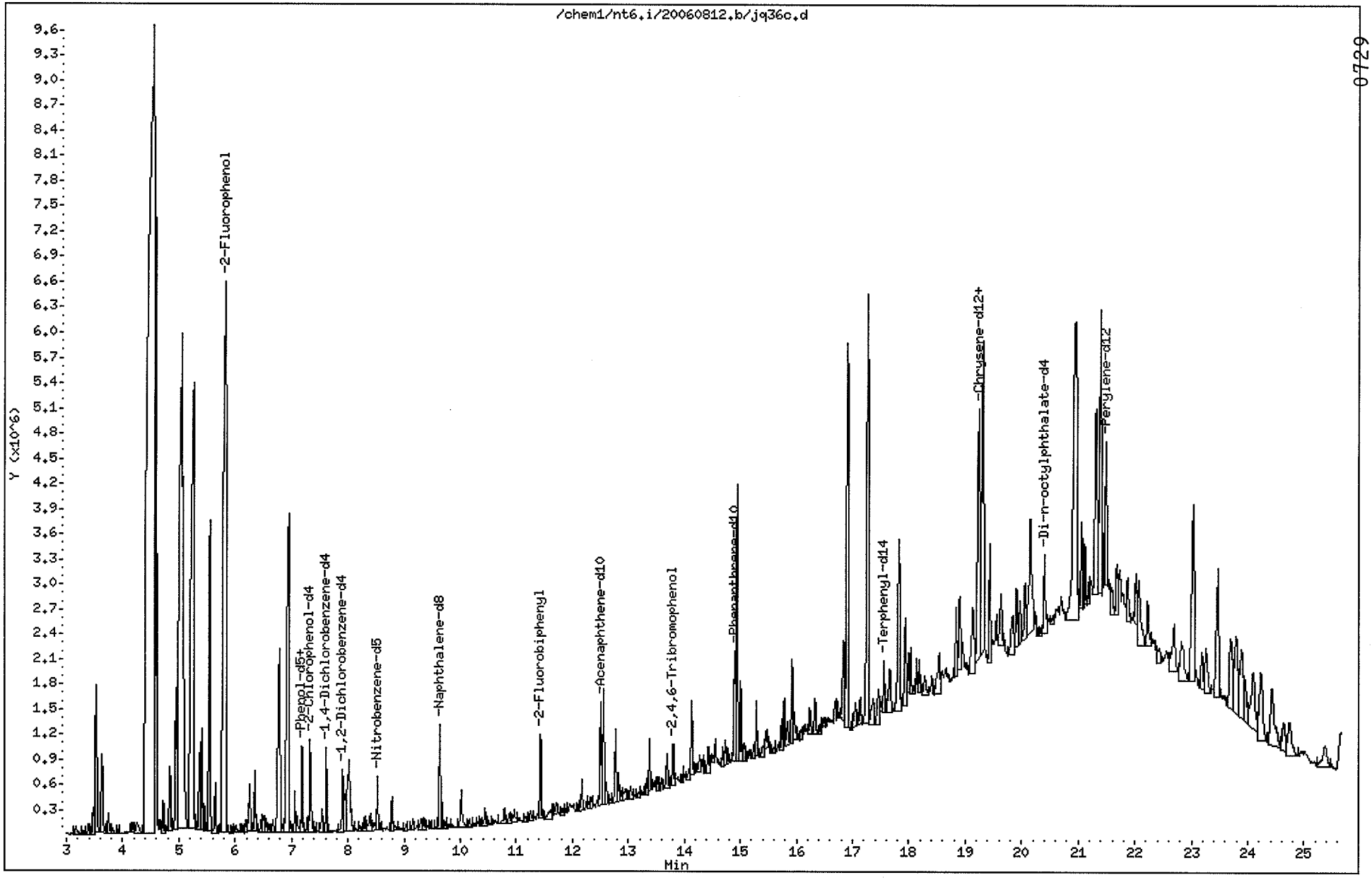
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.8	313.7	42.41	22-91
$ 2 Phenol-d5	739.8	467.3	63.16	26-99
$ 5 2-Chlorophenol-d4	739.8	458.5	61.98	29-96
$ 10 1,2-Dichlorobenzen	493.2	291.1	59.03	24-87
$ 18 Nitrobenzene-d5	493.2	293.8	59.57	27-101
$ 36 2-Fluorobiphenyl	493.2	328.4	66.59	30-100
$ 55 2,4,6-Tribromophen	739.8	492.6	66.58	20-114
$ 66 Terphenyl-d14	493.2	314.7	63.81	12-120

Data File: /chem1/nt6.i/20060812.b/jq36c.d
Date : 12-AUG-2006 15:04
Client ID: T4-S3-07-D
Sample Info: JQ36C
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0729

Data File: /chem1/nt6.i/20060812.b/jq36c.d

Date : 12-AUG-2006 15:04

Client ID: T4-S3-07-D

Instrument: nt6.i

Sample Info: JQ36C

Volume Injected (uL): 1.0

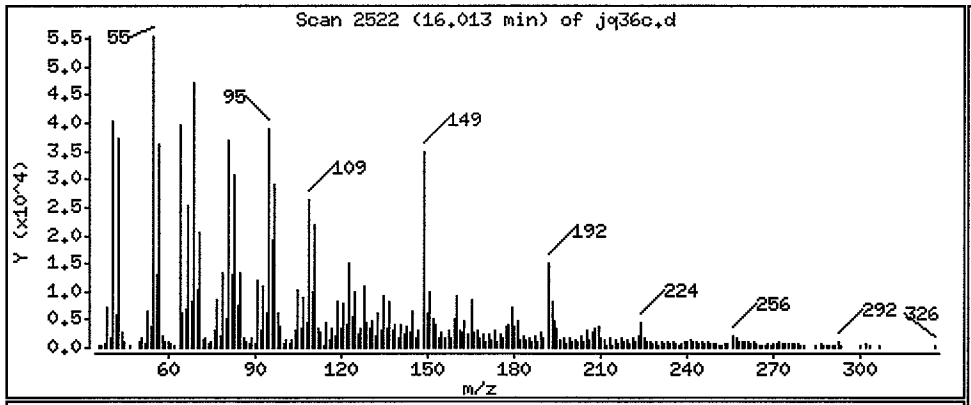
Operator: LJR

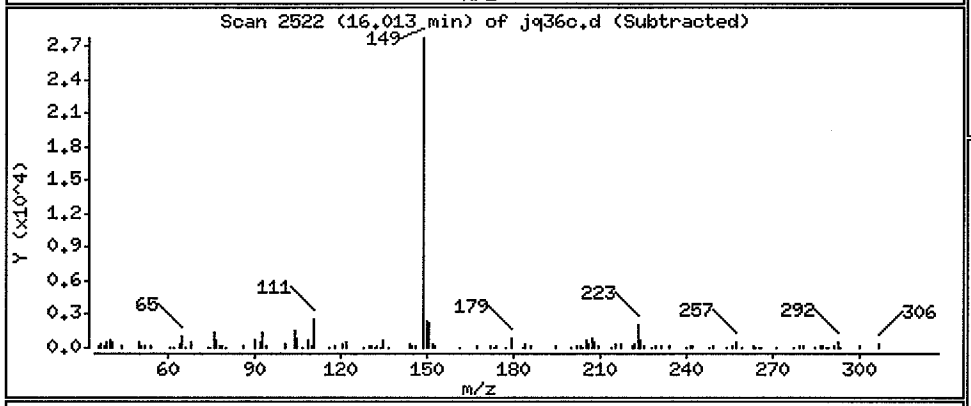
Column phase: ZB-5

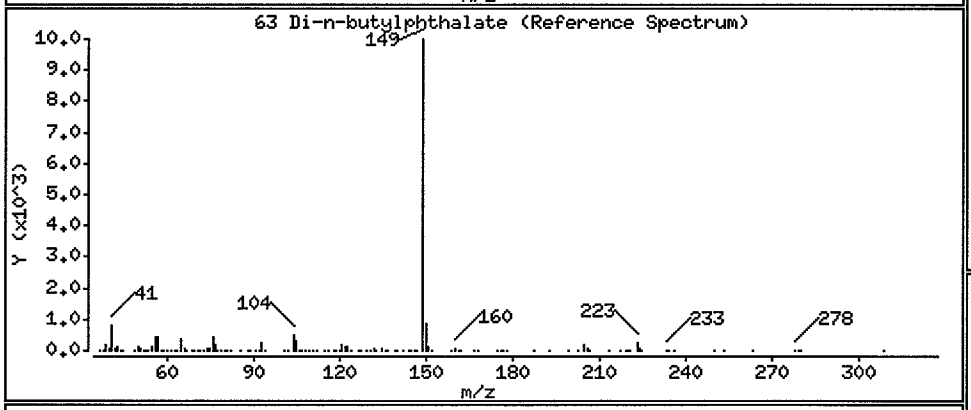
Column diameter: 0.32

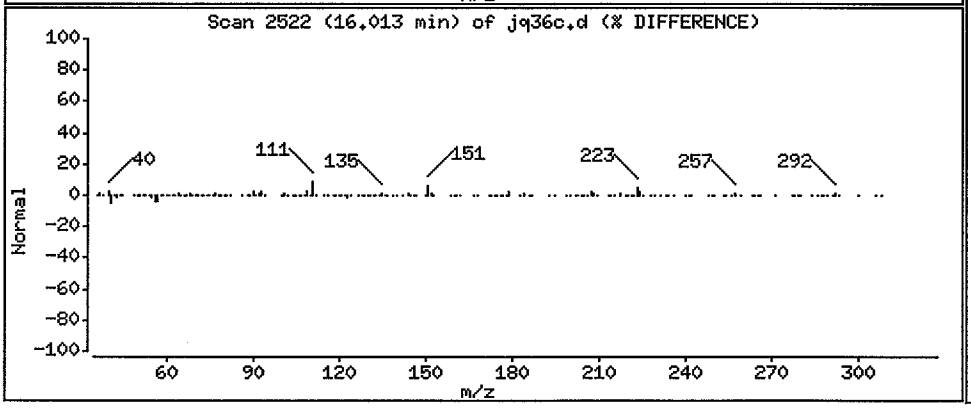
63 Di-n-butylphthalate

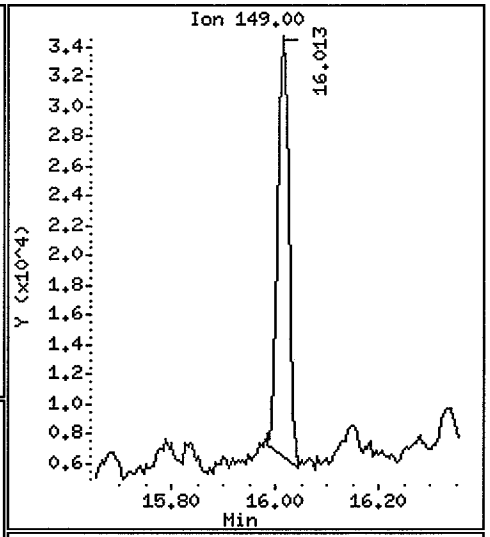
Concentration: 22.25 ug/kg

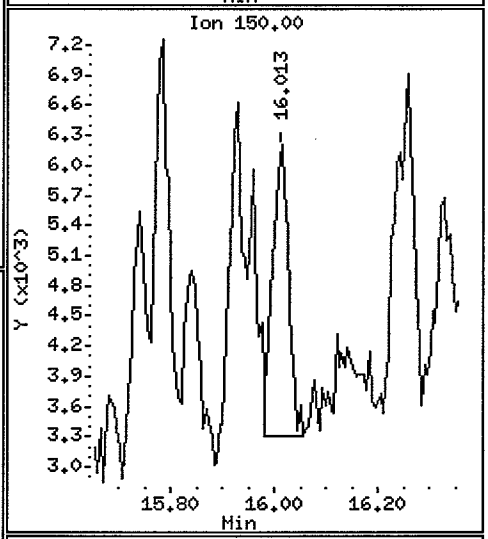


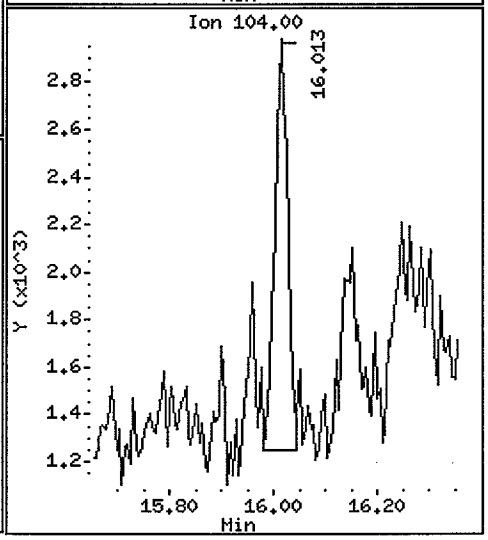












Data File: /chem1/nt6.i/20060812.b/jq36c.d

Date : 12-AUG-2006 15:04

Client ID: T4-S3-07-D

Instrument: nt6.i

Sample Info: JQ36C

Volume Injected (uL): 1.0

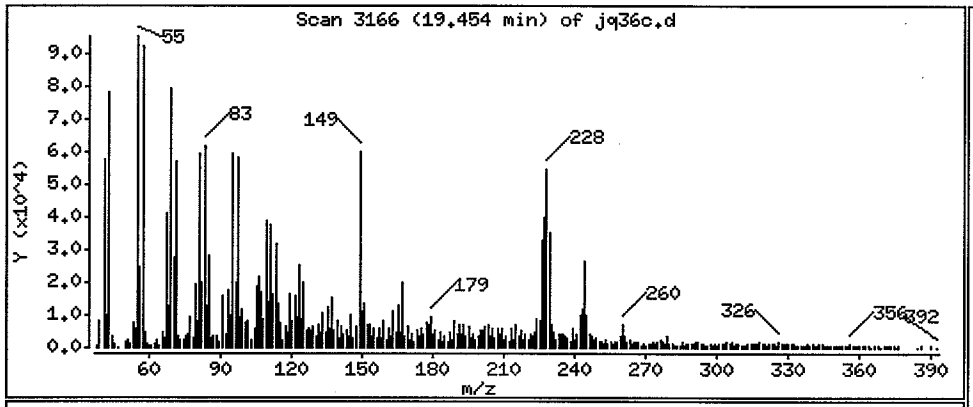
Operator: LJR

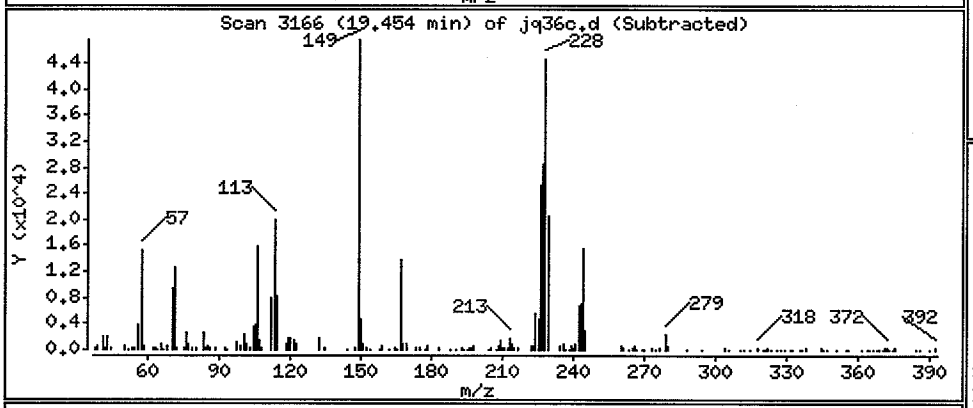
Column phase: ZB-5

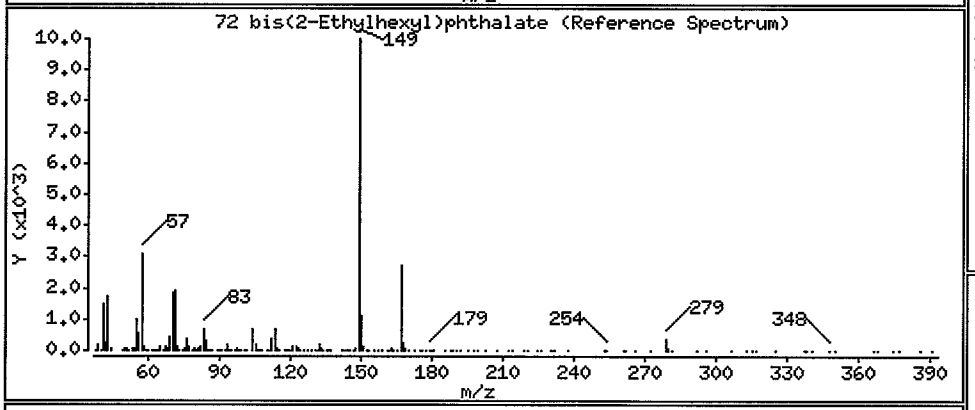
Column diameter: 0.32

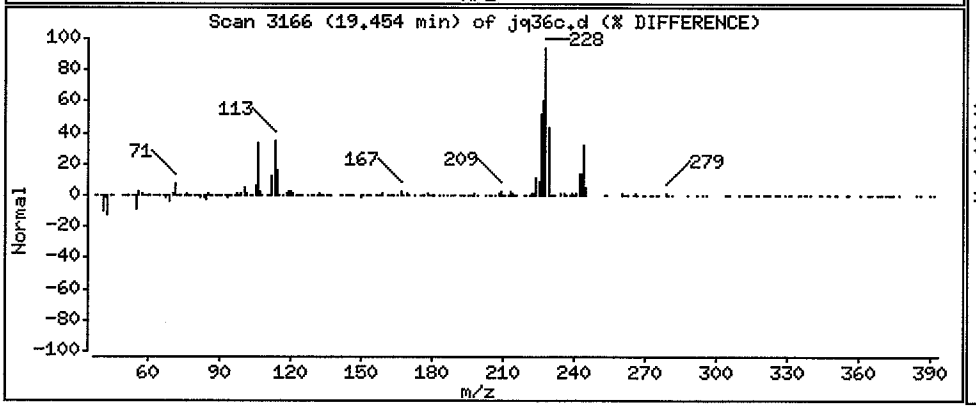
72 bis(2-Ethylhexyl)phthalate

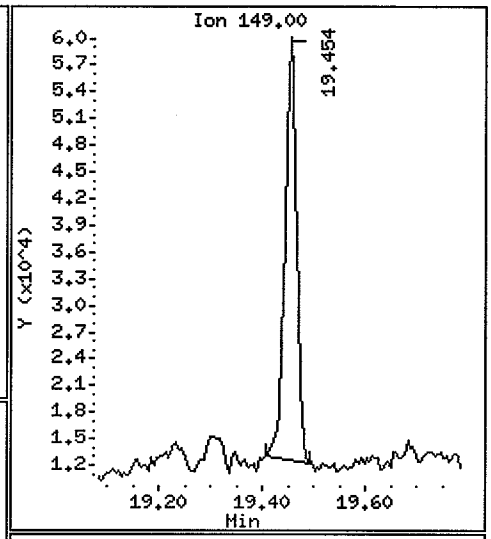
Concentration: 60.38 ug/kg

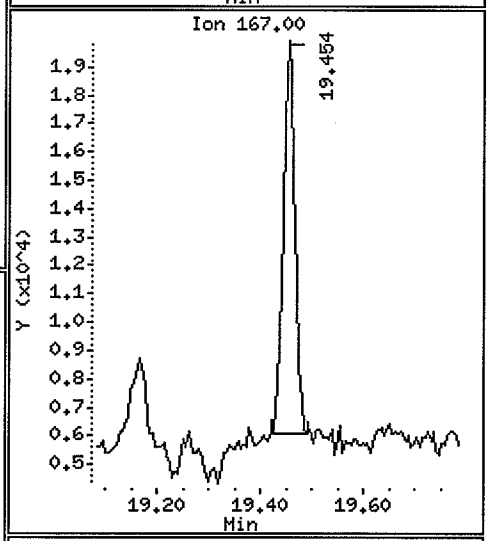


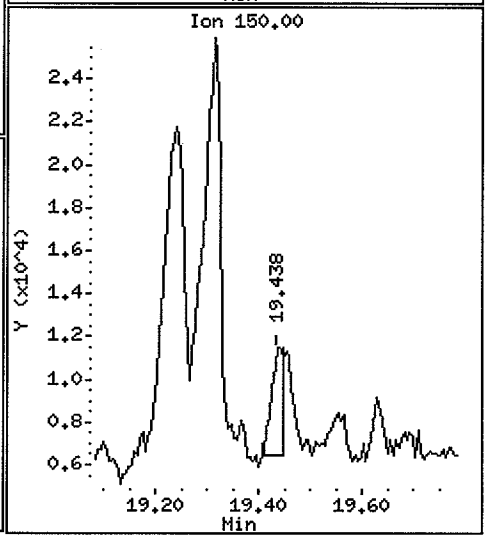






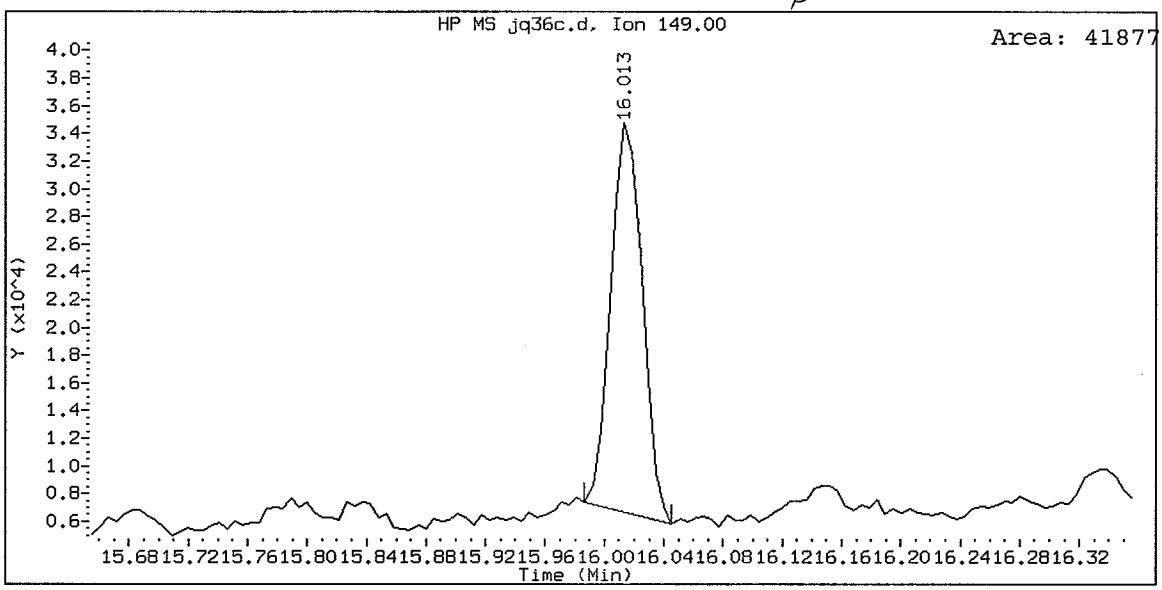


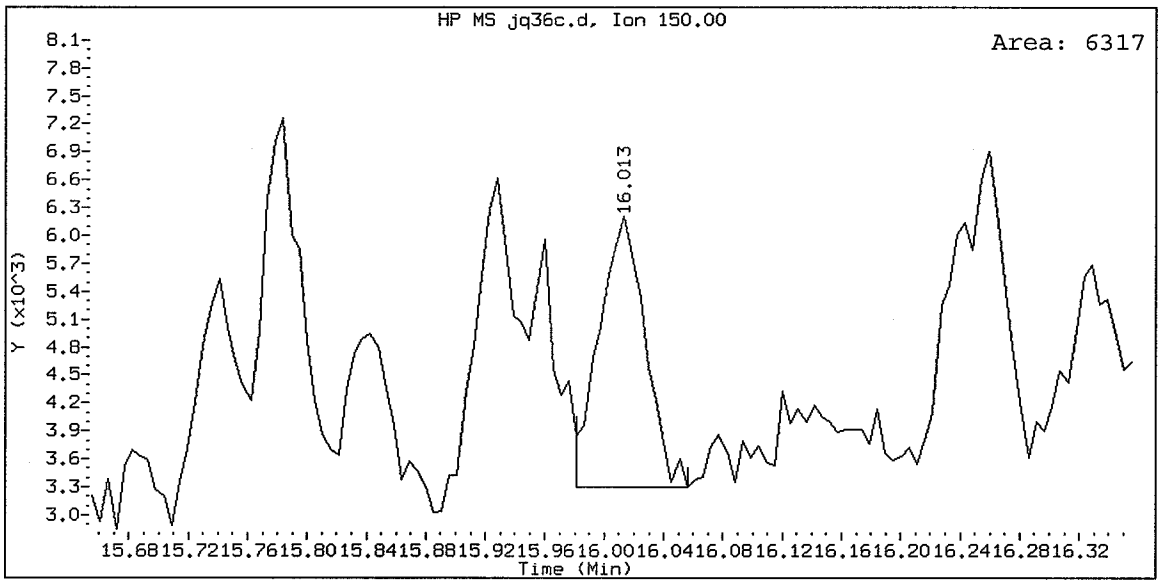


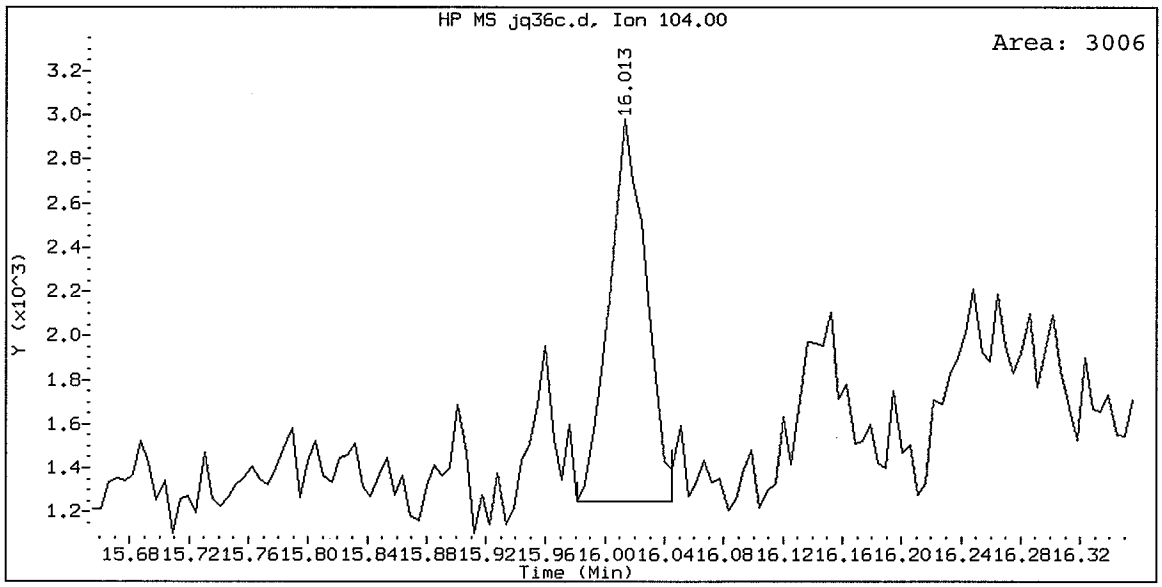


JQ36C, /chem1/nt6.i/20060812.b/jq36c.d
Di-n-butylphthalate Amount: 1.13

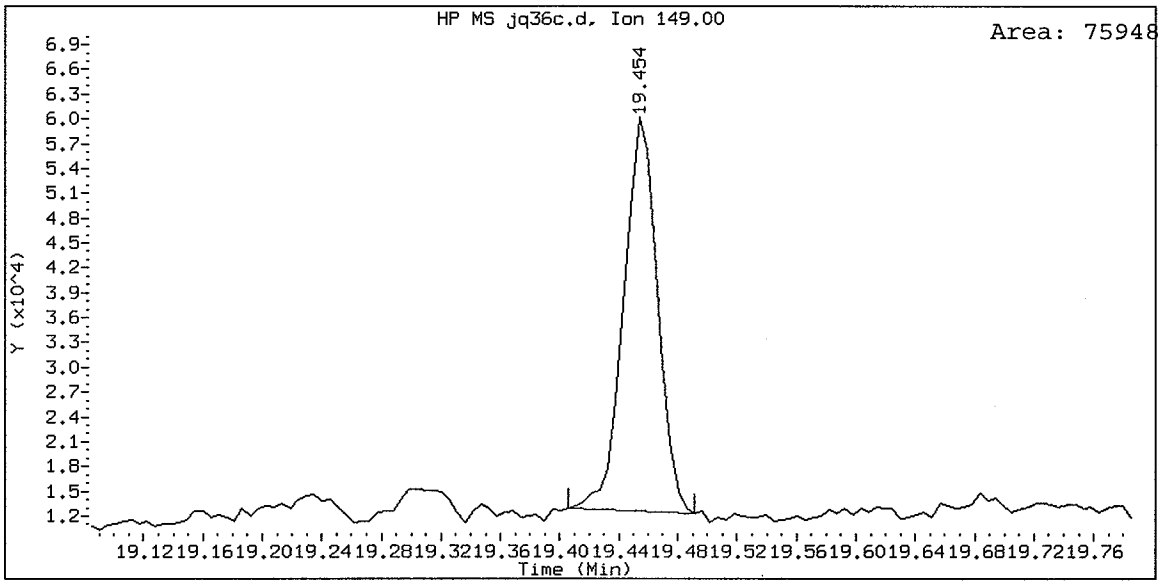
8

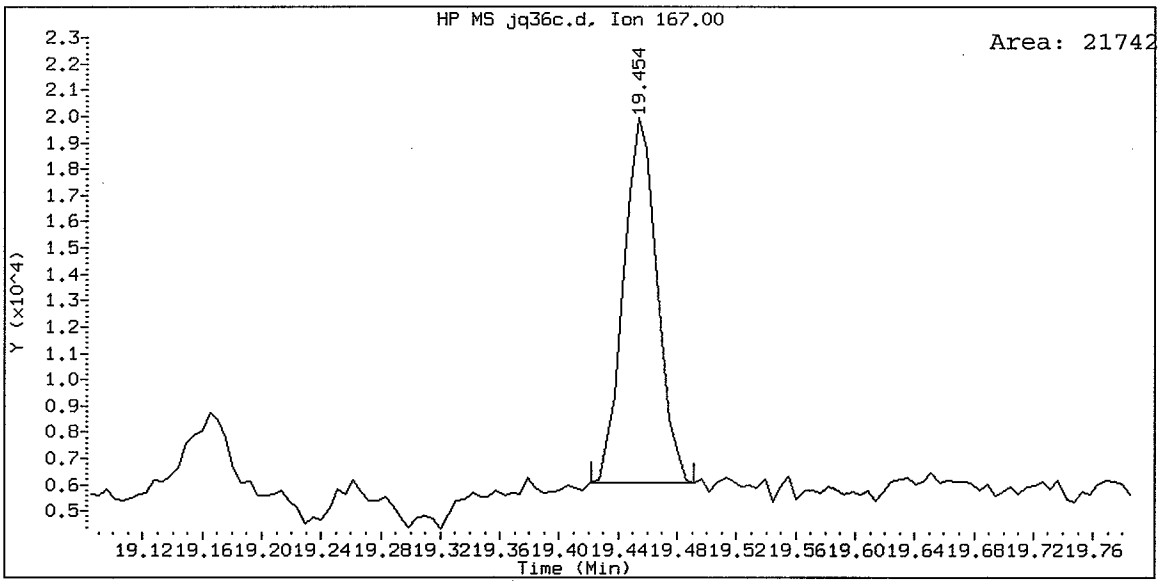


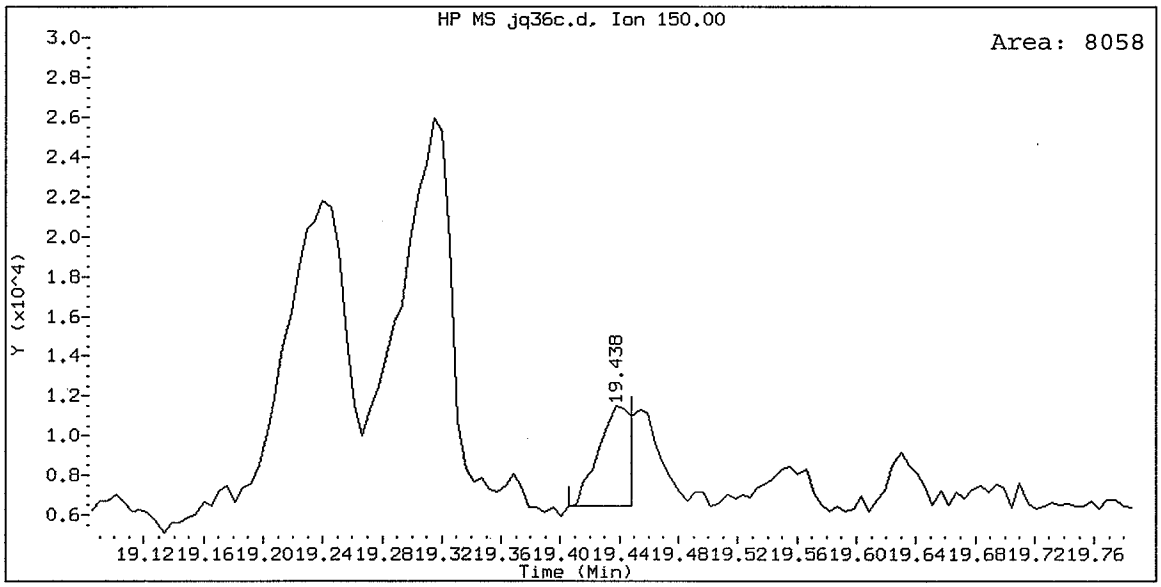




JQ36C, /chem1/nt6.i/20060812.b/jq36c.d
bis(2-Ethylhexyl)phthalate Amount: 3.06







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-07-E
SAMPLE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 15:41
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 17.6%
pH: 6.7

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**	**36 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	78.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36d.d
Lab Smp Id: JQ36D
Client Smp ID: T4-S3-07-E
Inj Date : 11-AUG-2006 15:41
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36D
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR
8/12/06

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	61.60000	Weight of sample extracted (g)
M	17.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.805	5.735	(0.758)	279332	18.9812	374.0
$ 2 Phenol-d5	99	7.216	7.199	(0.943)	405307	23.7314	467.5
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	7.365	7.349	(0.962)	320343	23.1066	455.2
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	7.654	7.648	(1.000)	190108	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.947	7.942	(1.038)	127698	15.0246	296.0
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.562	8.561	(0.885)	264308	15.5825	307.0
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.304	9.427	(0.962)	22789	2.36191 LAL	46.53(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.673	9.672	(1.000)	689211	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	11.473	11.473	(0.915)	397702	16.4513	324.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.542	12.546	(1.000)	375388	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.595	12.595	(1.004)	36327	1.69884	33.46
	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	13.412	13.417	(1.069)	17949	0.75579 LAL	14.89
	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	13.840	13.839	(1.103)	76409	28.8594	568.6(M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.930	14.929	(1.000)	530676	20.0000	
	60 Phenanthrene	178	14.962	14.966	(1.002)	244404	7.48777	147.5
	61 Anthracene	178	15.037	15.041	(1.007)	48479	1.52810	30.11
	62 Carbazole	167	15.314	15.319	(1.026)	36974	1.20046	23.65

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.041	16.040	(1.074)	66677	1.83476 B	36.15
64 Fluoranthene	202	16.912	16.916	(1.133)	504364	16.1058	317.3
65 Pyrene	202	17.270	17.269	(0.897)	513477	15.2269	300.0
$ 66 Terphenyl-d14	244	17.585	17.584	(0.913)	399725	19.5237	384.6
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.235	19.235	(0.999)	298908	11.4090	224.8
* 69 Chrysene-d12	240	19.262	19.262	(1.000)	396244	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.300	19.304	(1.002)	335046	12.6942	250.1
72 bis(2-Ethylhexyl)phthalate	149	19.465	19.470	(0.954)	12694	0.54875 LAC	10.81(M)
* 134 Di-n-octylphthalate-d4	153	20.405	20.405	(1.000)	886141	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.902	20.902	(0.975)	458500	15.6499	308.3
75 Benzo(k)fluoranthene	252	20.929	20.934	(0.977)	332979	9.91728	195.4(M)
76 Benzo(a)pyrene	252	21.351	21.350	(0.996)	358243	13.4306	264.6
* 77 Perylene-d12	264	21.431	21.425	(1.000)	471029	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.980	22.980	(1.072)	360026	10.7730	212.2
79 Dibenzo(a,h)anthracene	278	22.996	23.006	(1.073)	77898	2.81266	55.41(M)
80 Benzo(g,h,i)perylene	276	23.413	23.418	(1.092)	358693	11.6180	228.9
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.					

LMDL SB 8/14/06

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36d.d
Lab Smp Id: JQ36D
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-S3-07-E
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	190108	19.93
27 Naphthalene-d8	584278	292139	1168556	689211	17.96
42 Acenaphthene-d10	318444	159222	636888	375388	17.88
59 Phenanthrene-d10	463777	231888	927554	530676	14.42
69 Chrysene-d12	336614	168307	673228	396244	17.71
134 Di-n-octylphthala	762795	381398	1525590	886141	16.17
77 Perylene-d12	420407	210204	840814	471029	12.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.08
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.01
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.04
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.40	19.90	20.90	20.41	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.03

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

Analytical Resources, Inc.

RECOVERY REPORT

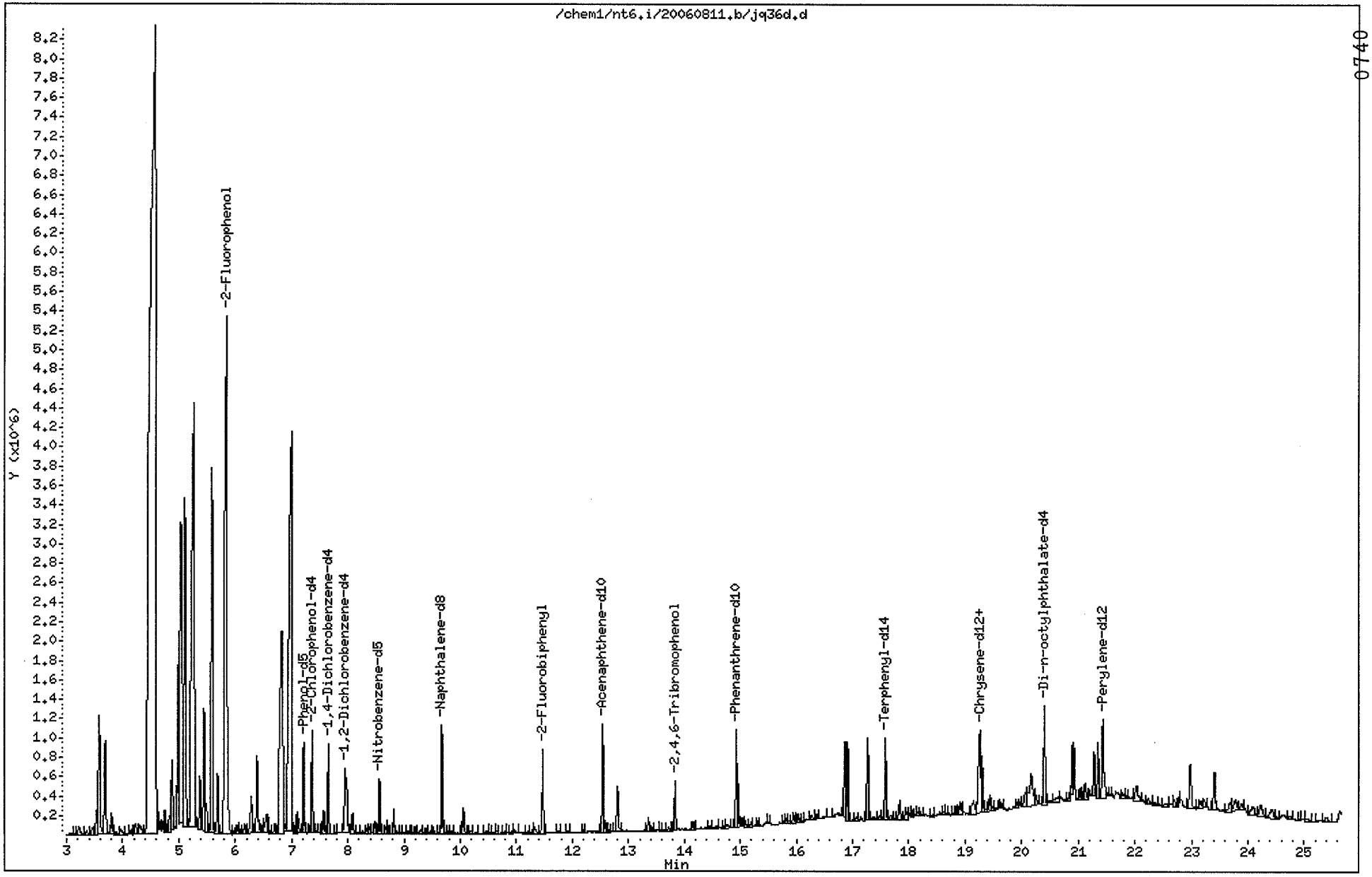
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36D
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-E
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	738.8	374.0	50.62	22-91
$ 2 Phenol-d5	738.8	467.5	63.28	26-99
$ 5 2-Chlorophenol-d4	738.8	455.2	61.62	29-96
$ 10 1,2-Dichlorobenzen	492.5	296.0	60.10	24-87
$ 18 Nitrobenzene-d5	492.5	307.0	62.33	27-101
$ 36 2-Fluorobiphenyl	492.5	324.1	65.81	30-100
$ 55 2,4,6-Tribromophen	738.8	568.6	76.96	20-114
$ 66 Terphenyl-d14	492.5	384.6	78.09	12-120

Data File: /chem1/nt6.i/20060811.b/jq36d.d
Date : 11-AUG-2006 15:41
Client ID: T4-S3-07-E
Sample Info: JQ36D
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0740

Data File: /chem1/nt6.i/20060811.b/jq36d.d

Date : 11-AUG-2006 15:41

Client ID: T4-S3-07-E

Instrument: nt6.i

Sample Info: JQ36D

Volume Injected (uL): 1.0

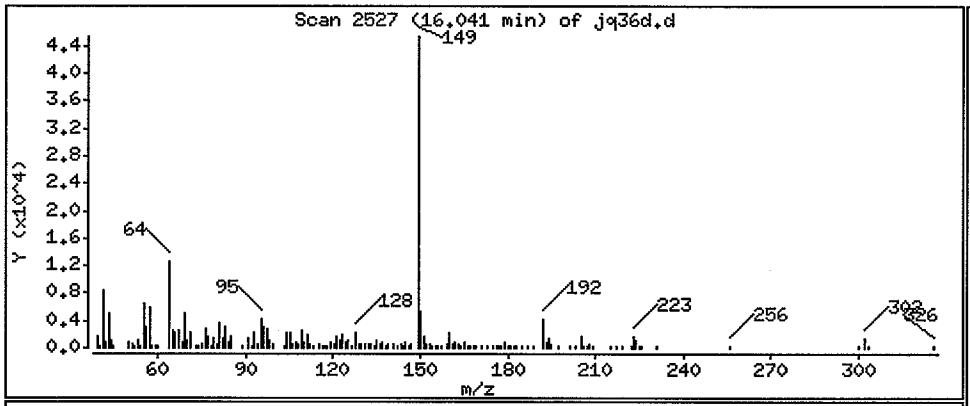
Operator: LJR

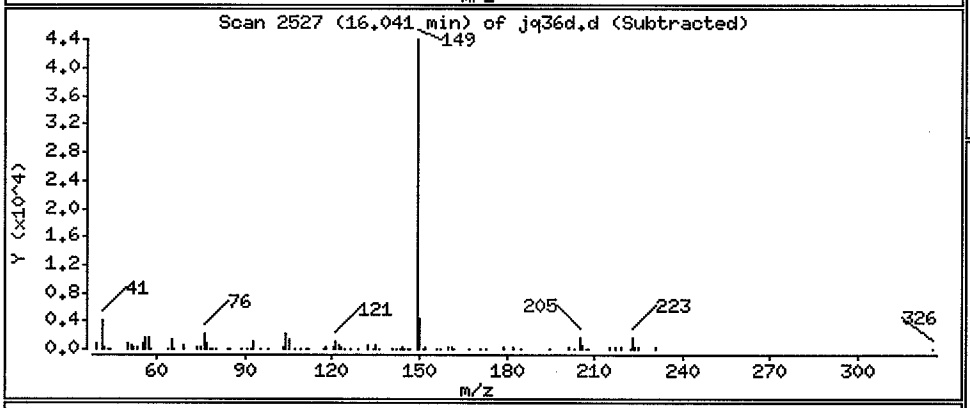
Column phase: ZB-5

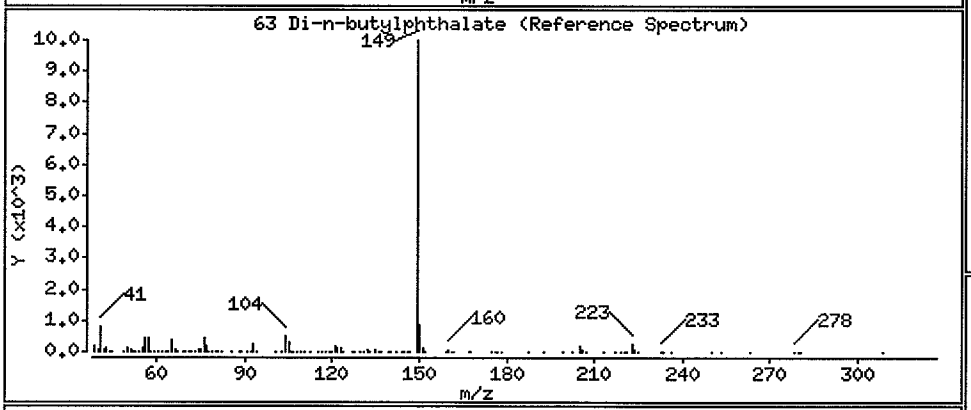
Column diameter: 0.32

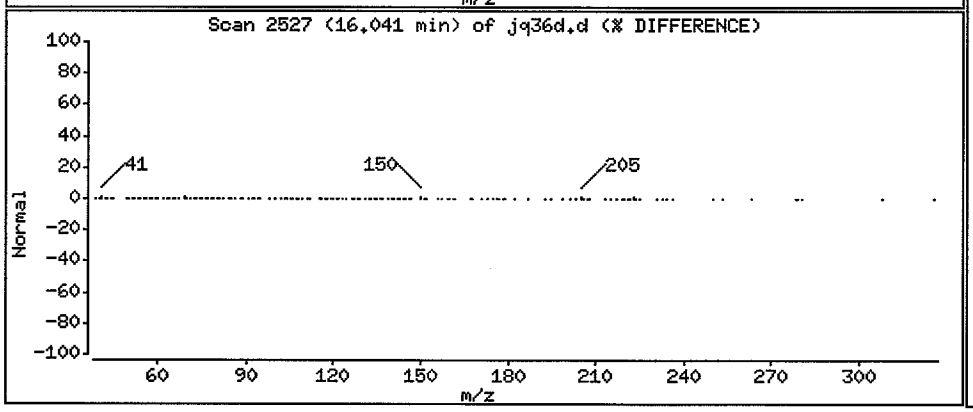
63 Di-n-butylphthalate

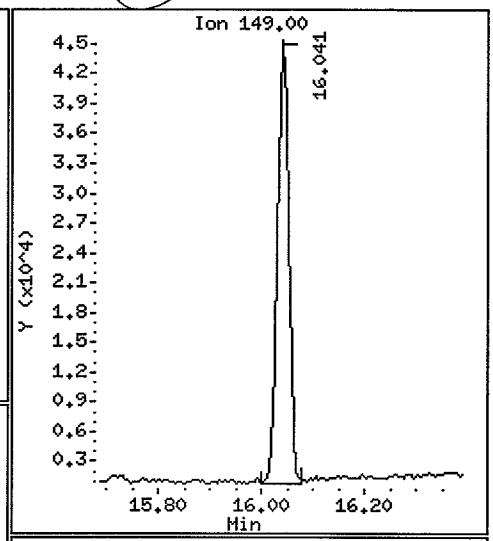
Concentration: 36.15 ug/kg B

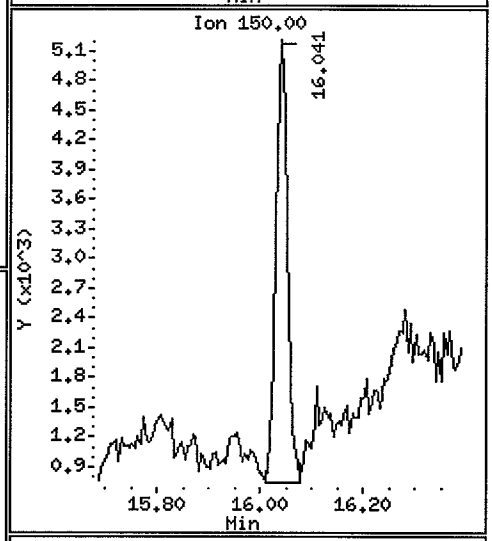


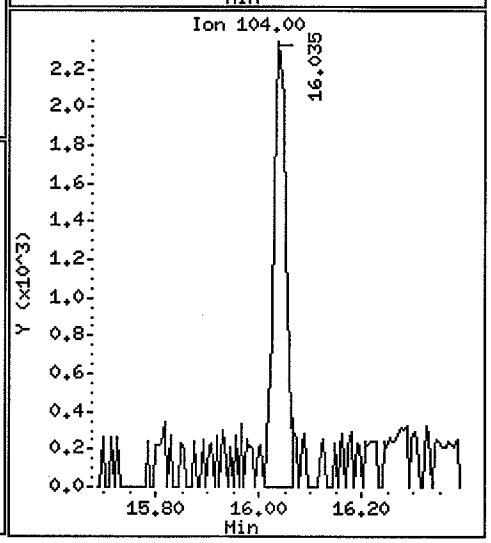












Data File: /chem1/nt6.i/20060811.b/jq36d.d

Date : 11-AUG-2006 15:41

Client ID: T4-S3-07-E

Instrument: nt6.i

Sample Info: JQ36D

Volume Injected (uL): 1.0

Operator: LJR

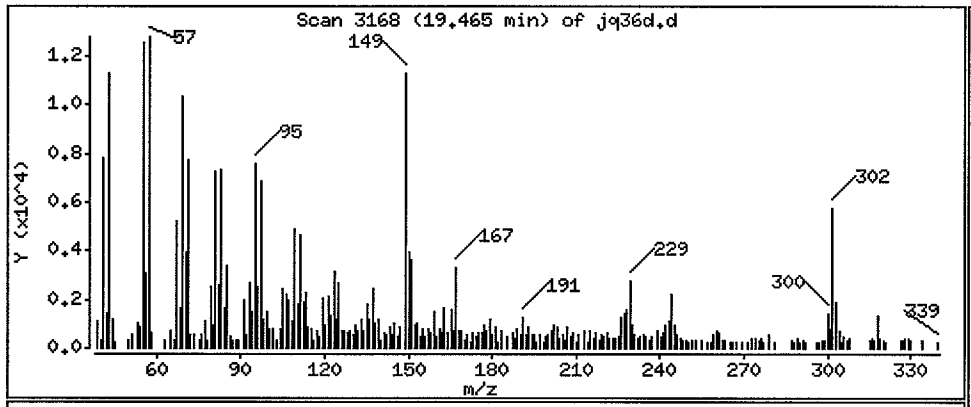
Column phase: ZB-5

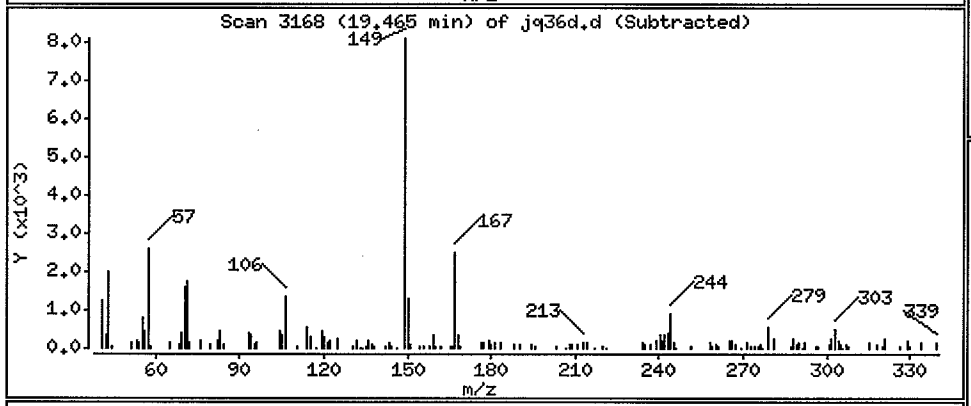
Column diameter: 0.32

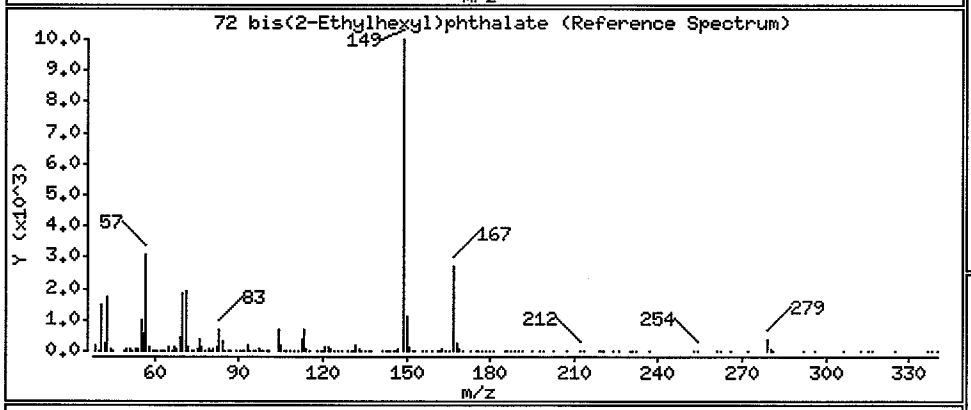
LMDL BB 8/17/06

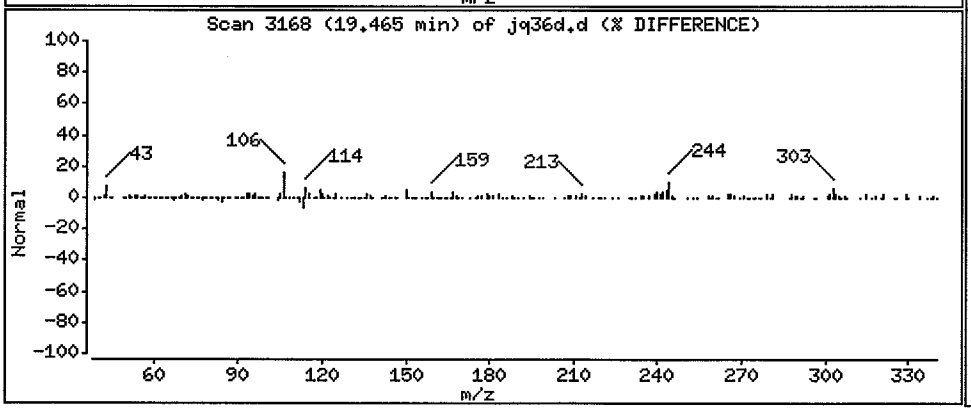
72 bis(2-Ethylhexyl)phthalate

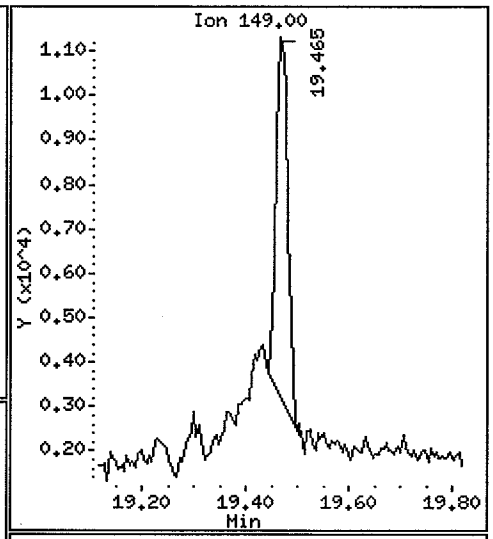
Concentration: 10.81 ug/kg

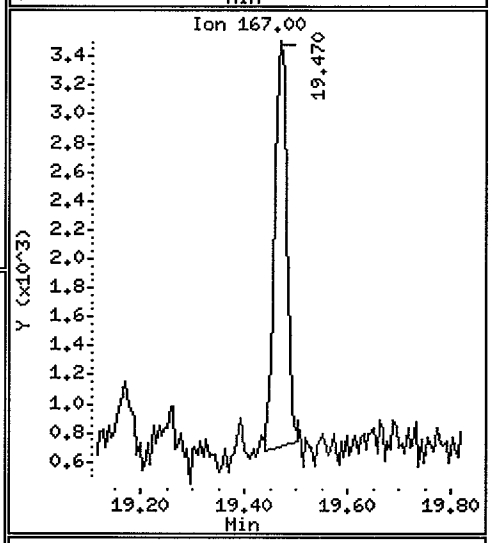


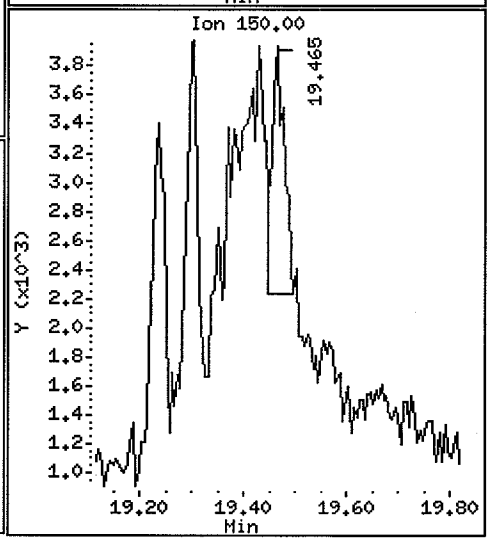






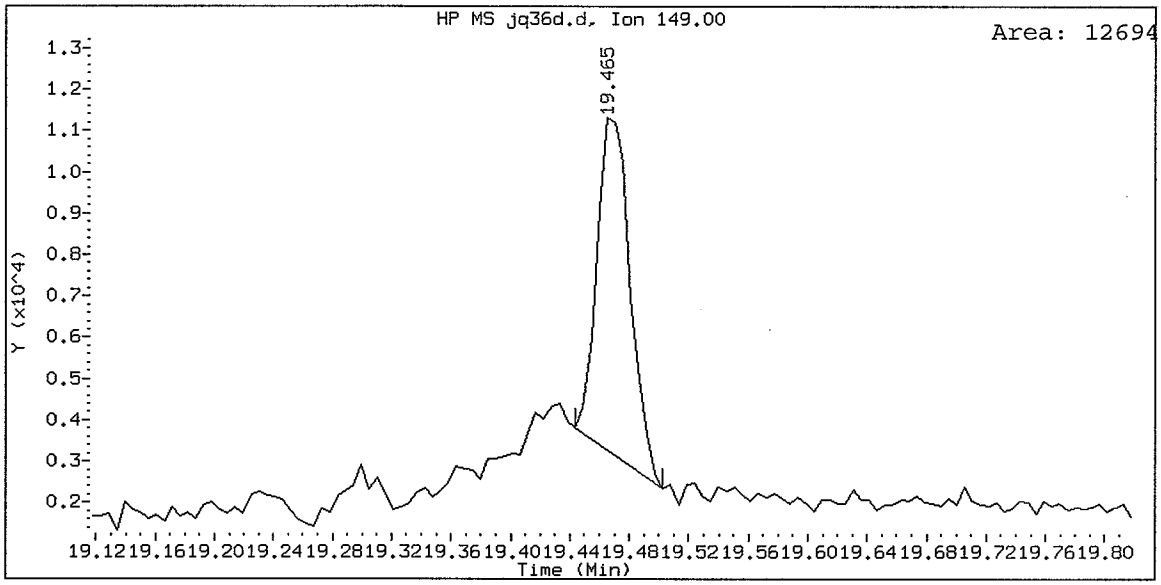


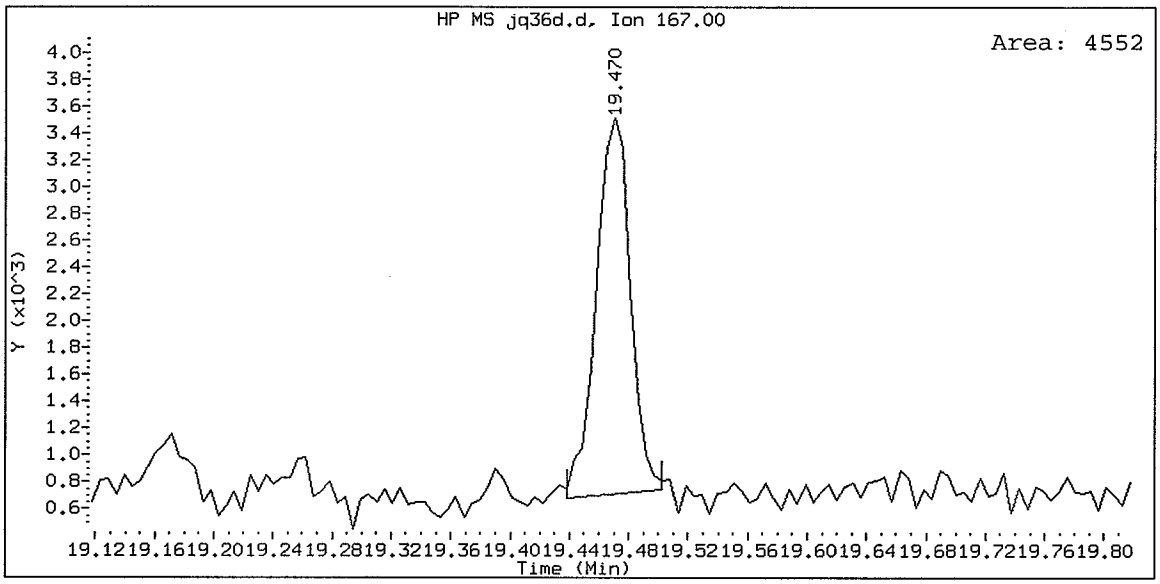


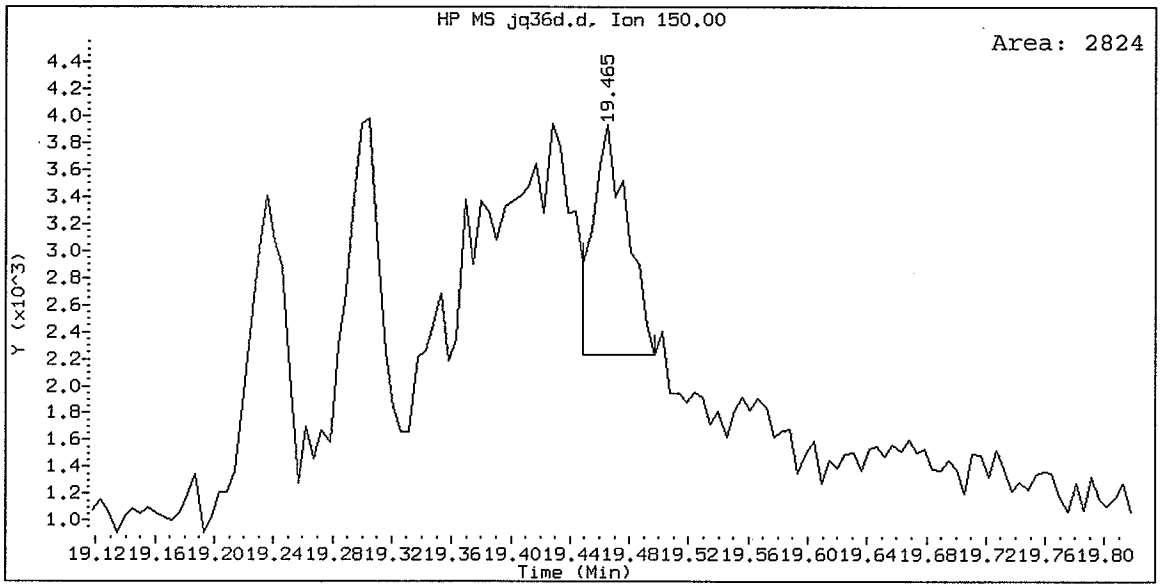


JQ36D, /chem1/nt6.i/20060811.b/jq36d.d
bis(2-Ethylhexyl)phthalate Amount: 0.55

J







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-04-A
SAMPLE

Lab Sample ID: JQ36E
LIMS ID: 06-12976
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 17:20
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 26.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 34.9%
pH: 7.2

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

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	85.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36edl.d
Lab Smp Id: JQ36E — Client Smp ID: T4-S3-04-A
Inj Date : 11-AUG-2006 17:20
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ36E,3
Misc Info : 06-12976
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff — Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 — Cal File: 0400810.d
Als bottle: 15
Dil Factor: 3.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/12/06

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

Name	Value	Description
DF	3.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	40.60000	Weight of sample extracted (g)
M	34.90000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.757	5.735	(0.752)	114333	7.86309	892.5
$ 2 Phenol-d5	99	7.204	7.199	(0.941)	140587	8.33112	945.6
3 Phenol	94	7.220	7.220	(0.943)	26449	1.33620	151.7
$ 5 2-Chlorophenol-d4	132	7.348	7.349	(0.960)	111050	8.10596	920.2
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	7.653	7.648	(1.000)	187837	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.941	7.942	(1.038)	44512	5.30048	601.6
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	8.369	8.369	(1.094)	12124	0.90700 LOL	102.9
$	18 Nitrobenzene-d5	82	8.561	8.561	(0.885)	88154	5.42321	615.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.309	9.427	(0.962)	30597	3.30907 LOL	375.6(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.672	9.672	(1.000)	660486	20.0000	
	28 Naphthalene	128	9.704	9.704	(1.003)	314104	8.87001	1007
	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	10.826	10.826	(1.119)	143758	7.88127	894.6
	33 Hexachlorocyclopentadiene	237	Compound Not Detected.					
	34 2,4,6-Trichlorophenol	196	Compound Not Detected.					
	35 2,4,5-Trichlorophenol	196	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.473	11.473	(0.914)	141208	6.14571	697.6
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	12.290	12.290	(0.980)	18649	0.57273 LOL	65.01(M)
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.546	12.546	(1.000)	356789	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.594	12.595	(1.004)	818323	40.2569	4569
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.856	12.856	(1.025)	240258	8.87396	1007
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.417	13.417	(1.069)	566717	25.1072	2850
	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	13.631	13.647	(0.913)	13403	1.33839 Y	151.9
$	55 2,4,6-Tribromophenol	330	13.839	13.839	(1.103)	22114	8.78778	997.5
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.934	14.929	(1.000)	480560	20.0000	
	60 Phenanthrene	178	14.988	14.966	(1.004)	3888844	229.877 E	26090
	61 Anthracene	178	15.046	15.041	(1.008)	956311	33.2874	3778
	62 Carbazole	167	15.330	15.319	(1.026)	1236940	52.7316	5985

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.045	16.040	(1.074)	30787	0.93549 LDL B	106.2(M)
64 Fluoranthene	202	16.964	16.916	(1.136)	7023689	247.676 E	28110
65 Pyrene	202	17.322	17.269	(0.897)	6514644	223.807 E	25400
$ 66 Terphenyl-d14	244	17.595	17.584	(0.911)	126308	7.14700	811.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.293	19.235	(0.999)	5522271	244.186 E	27720
* 69 Chrysene-d12	240	19.315	19.262	(1.000)	342035	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.374	19.304	(1.003)	5424848	238.111 E	27030
72 bis(2-Ethylhexyl)phthalate	149	19.486	19.470	(0.954)	15592	0.63363 LQL	71.92(M)
* 134 Di-n-octylphthalate-d4	153	20.426	20.405	(1.000)	942628	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.998	20.902	(0.977)	6915506	220.534 E	25030(M)
75 Benzo(k)fluoranthene	252	20.998	20.934	(0.977)	4079779	300.736 E	34140(M)
76 Benzo(a)pyrene	252	21.452	21.350	(0.998)	5792580	202.894 E	23030
* 77 Perylene-d12	264	21.494	21.425	(1.000)	504159	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.102	22.980	(1.075)	4028443	112.621 E	12780(M)
79 Dibenzo(a,h)anthracene	278	23.102	23.006	(1.075)	1861762	62.8051	7129(M)
80 Benzo(g,h,i)perylene	276	23.540	23.418	(1.095)	3302575	99.9406 E	11340(M)
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.997	11.003	(1.137)	88371	4.75792	540.0
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

8/14/06 SB
Poor fit LRL (4)

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: jq36edl.d
Lab Smp Id: JQ36E
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12976

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-S3-04-A
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	187837	18.50
27 Naphthalene-d8	584278	292139	1168556	660486	13.04
42 Acenaphthene-d10	318444	159222	636888	356789	12.04
59 Phenanthrene-d10	463777	231888	927554	480560	3.62
69 Chrysene-d12	336614	168307	673228	342035	1.61
134 Di-n-octylphthala	762795	381398	1525590	942628	23.58
77 Perylene-d12	420407	210204	840814	504159	19.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.07
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.55	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.04
69 Chrysene-d12	19.26	18.76	19.76	19.31	0.28
134 Di-n-octylphthala	20.40	19.90	20.90	20.43	0.10
77 Perylene-d12	21.43	20.93	21.93	21.49	0.32

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: JQ36E
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12976

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-04-A
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1419	892.5	62.90	22-91
$ 2 Phenol-d5	1419	945.6	66.65	26-99
$ 5 2-Chlorophenol-d4	1419	920.2	64.86	29-96
$ 10 1,2-Dichlorobenzen	945.9	601.6	63.61	24-87
$ 18 Nitrobenzene-d5	945.9	615.6	65.08	27-101
$ 36 2-Fluorobiphenyl	945.9	697.6	73.75	30-100
$ 55 2,4,6-Tribromophen	1419	997.5	70.30	20-114
$ 66 Terphenyl-d14	945.9	811.2	85.76	12-120

Data File: /chem1/nt6.i/20060811.b/jq36ed1.d

Date : 11-AUG-2006 17:20

Client ID: T4-S3-04-A

Sample Info: JQ36E,3

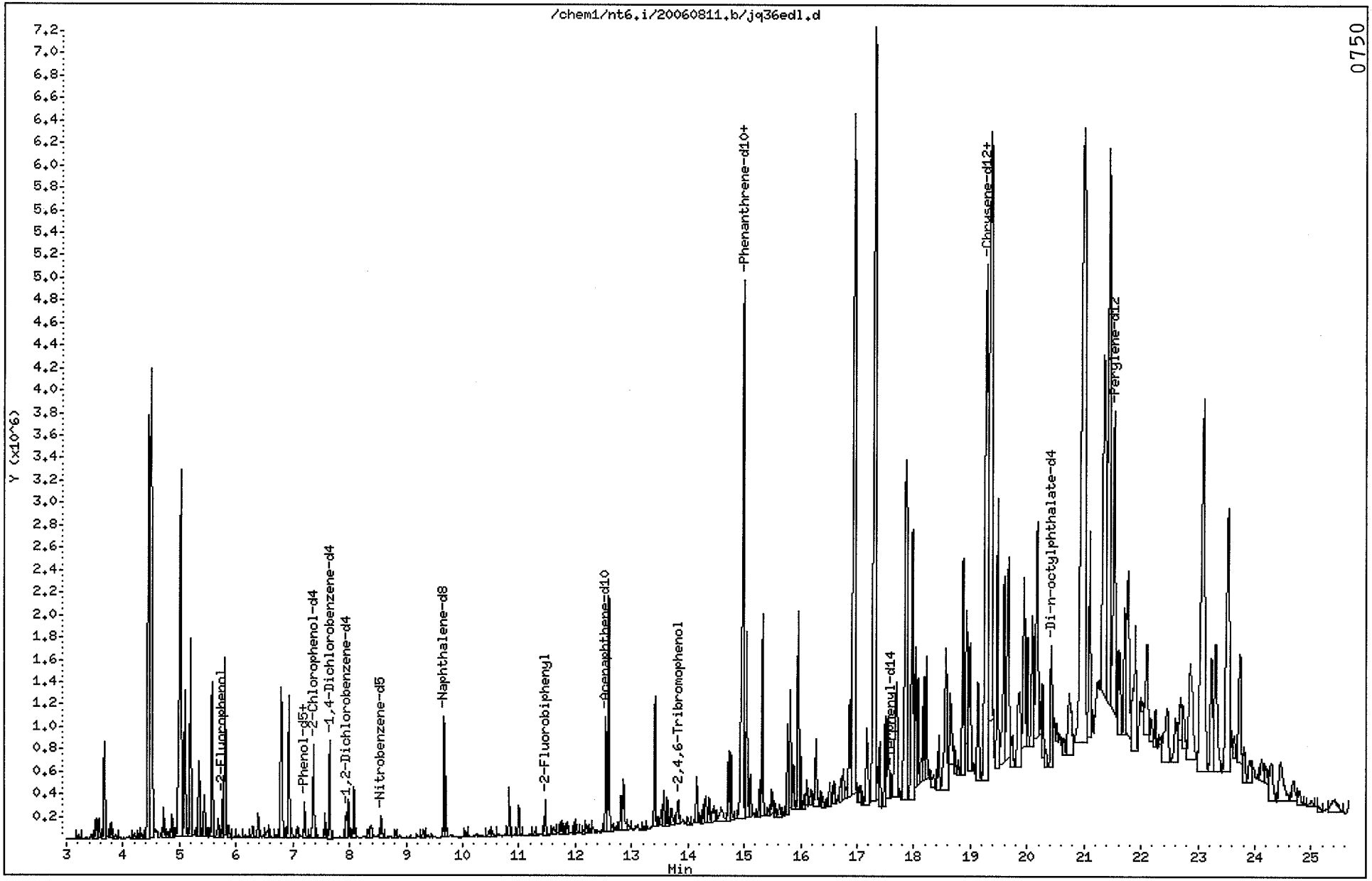
Volume Injected (uL): 1.0

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR

Column diameter: 0.32



Data File: /chem1/nt6.i/20060811.b/jq36edl.d

Date : 11-AUG-2006 17:20

Client ID: T4-S3-04-A

Instrument: nt6.i

Sample Info: JQ36E,3

Volume Injected (uL): 1.0

Operator: LJR

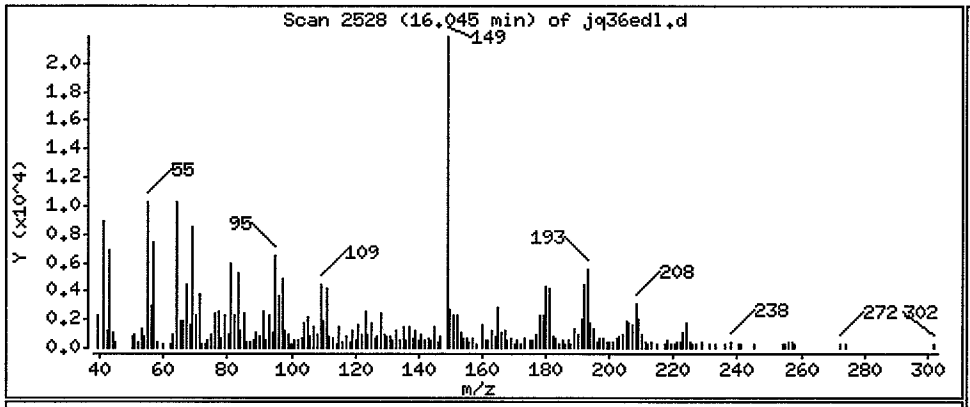
Column phase: ZB-5

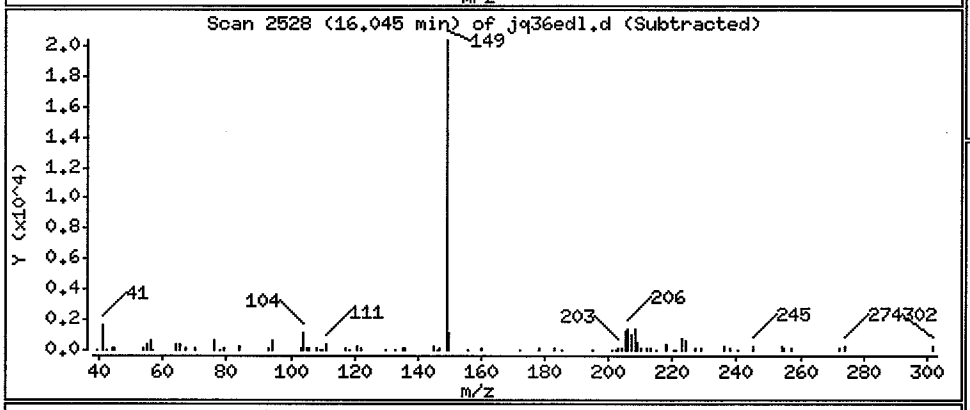
Column diameter: 0.32

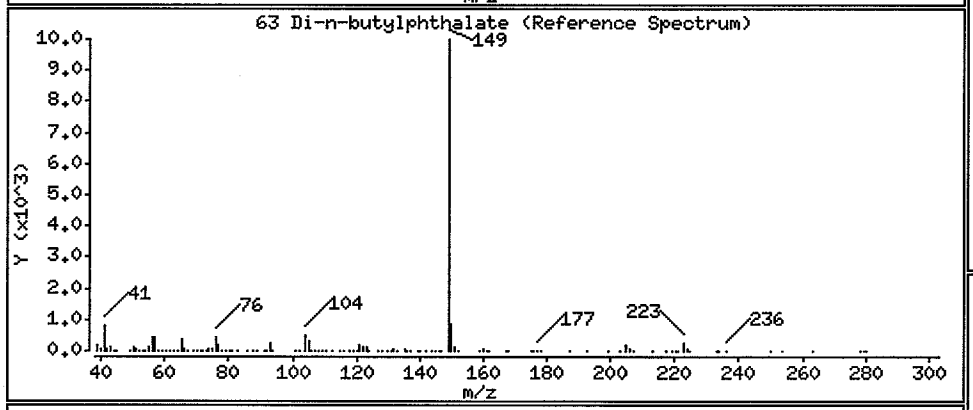
5 (B) NOT Reported 8/17/06

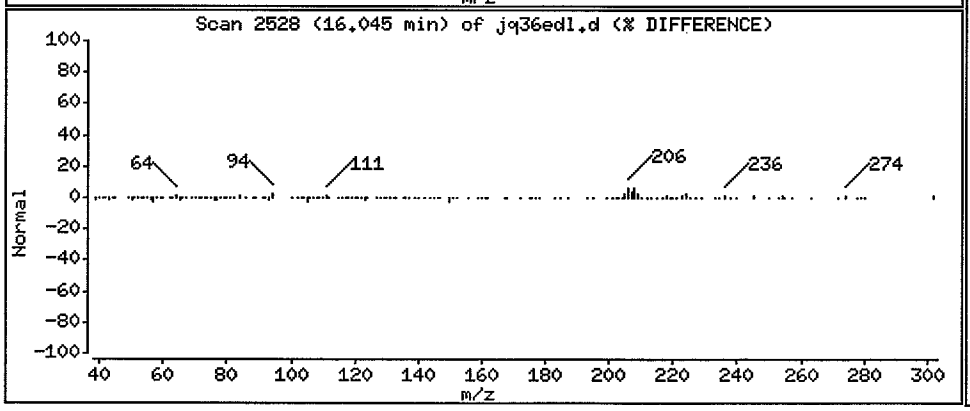
63 Di-n-butylphthalate

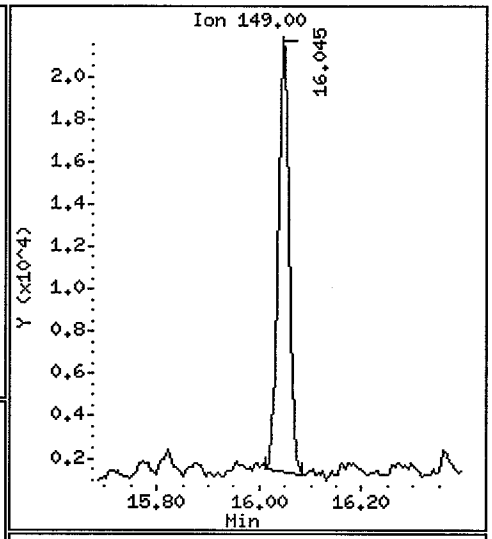
Concentration: 106.2 ug/kg

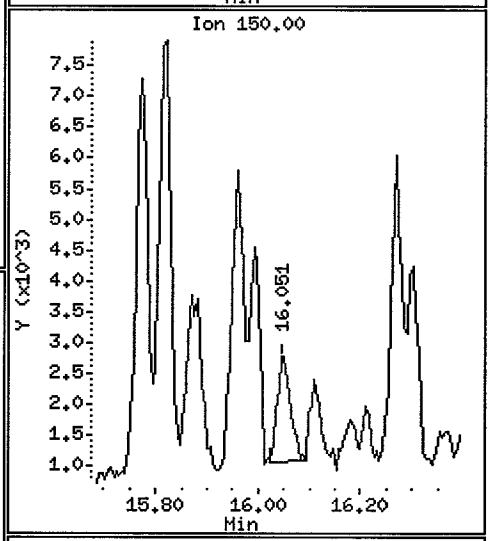


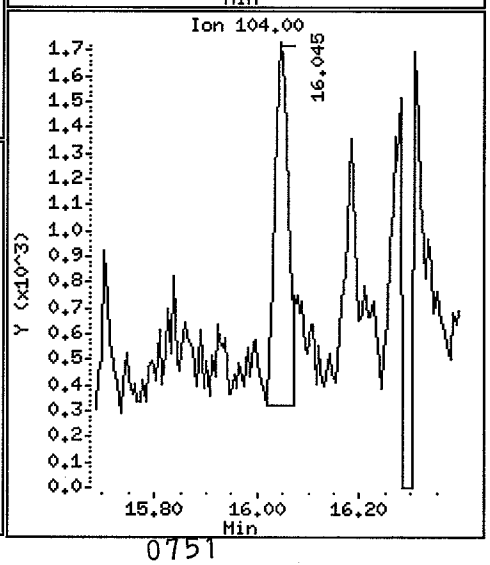












Data File: /chem1/nt6.i/20060811.b/jq36edl.d

Date : 11-AUG-2006 17:20

Client ID: T4-S3-04-A

Instrument: nt6.i

Sample Info: JQ36E,3

Volume Injected (uL): 1.0

Operator: LJR

Column phase: ZB-5

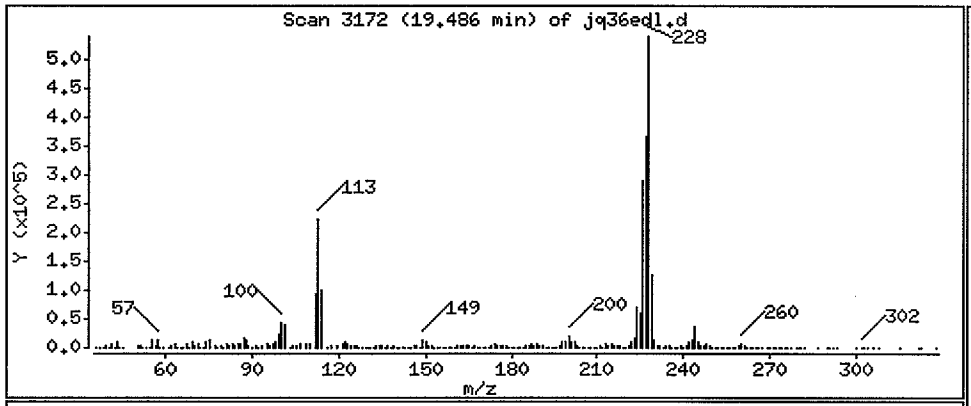
Column diameter: 0.32

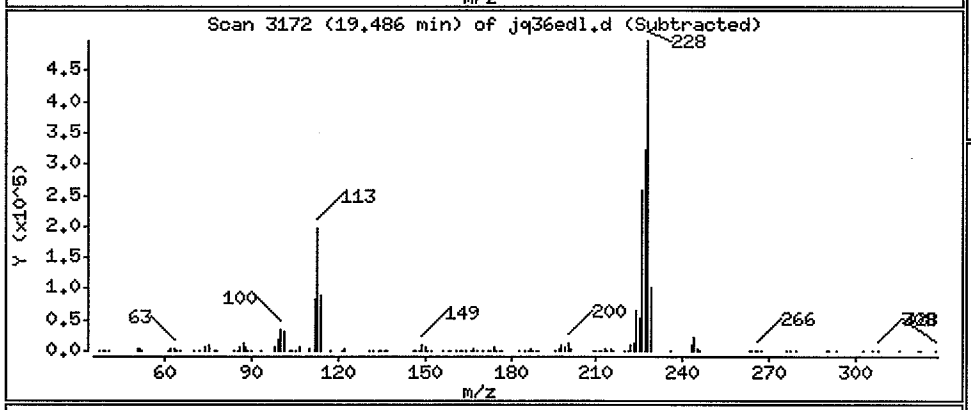
Poor fit

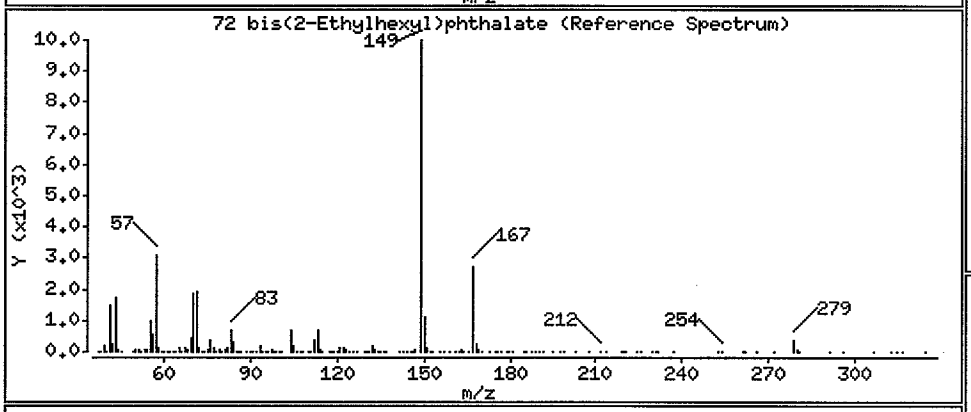
72 bis(2-Ethylhexyl)phthalate

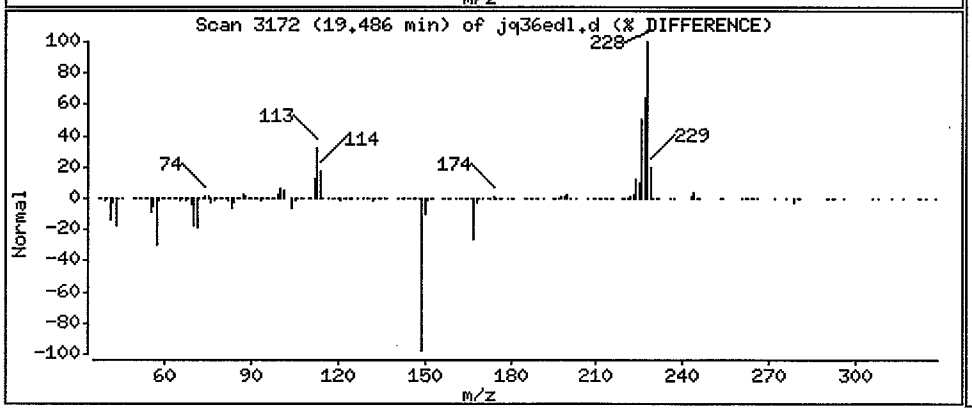
Concentration: 71.92 ug/kg

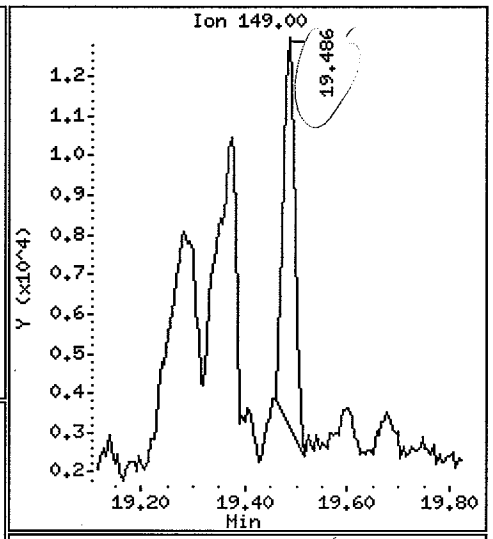
<LRL

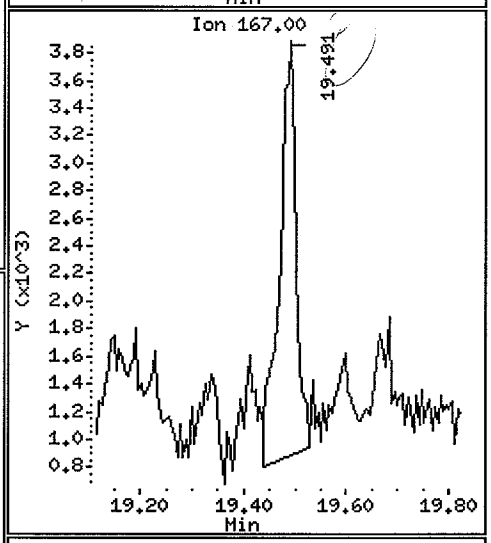


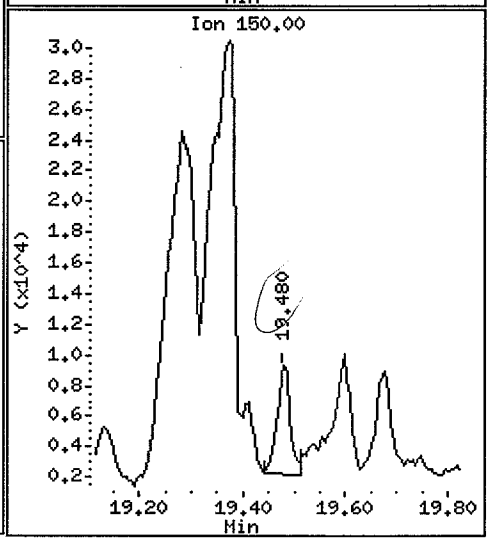




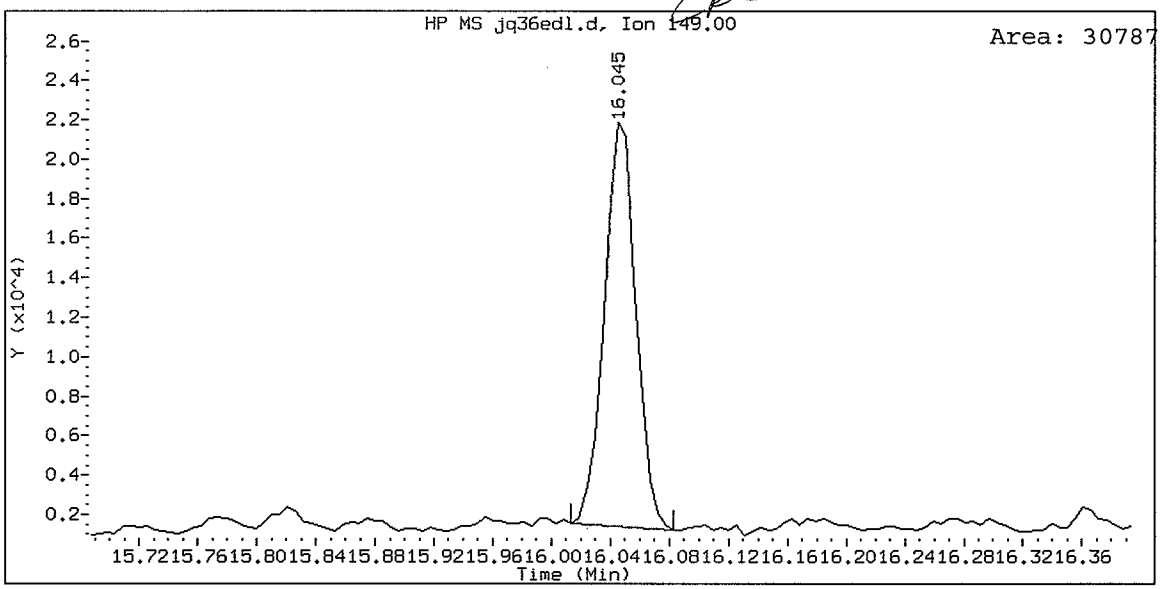


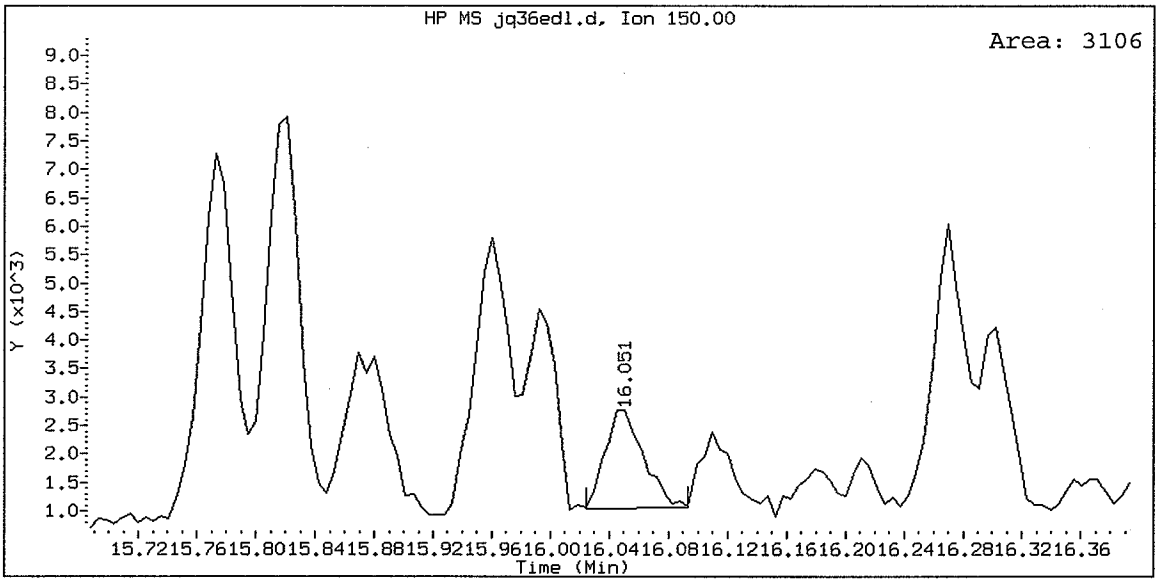


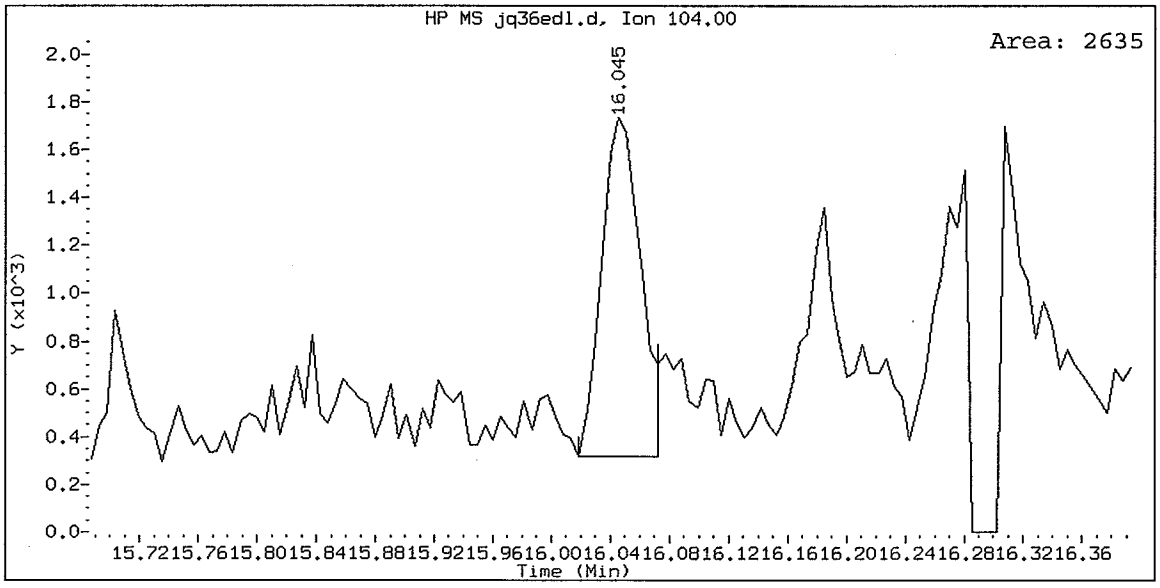




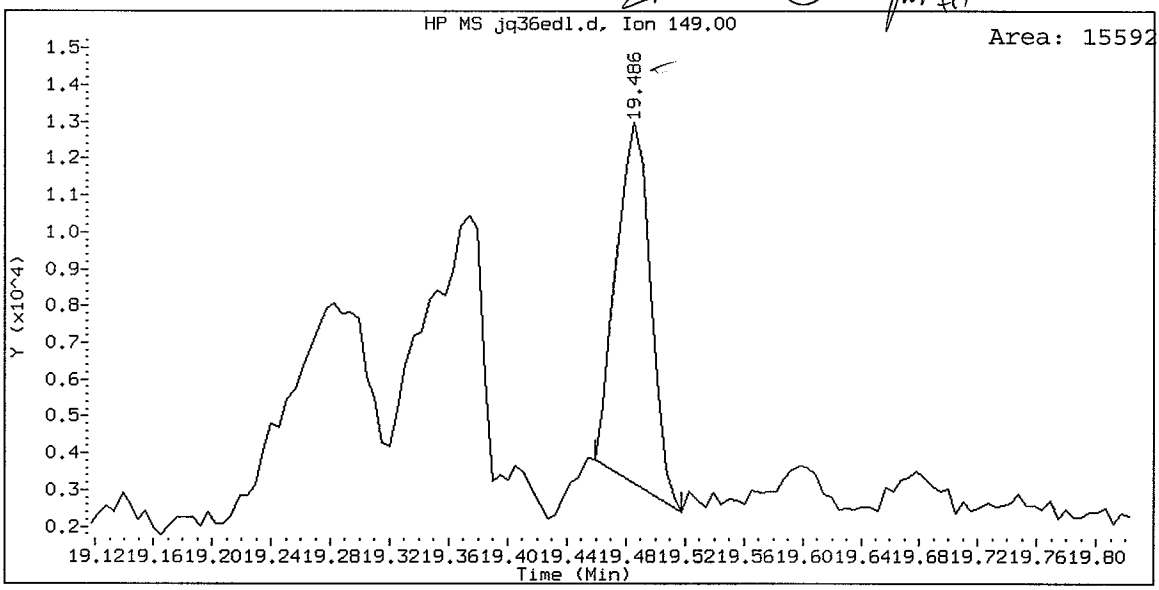
JQ36E, /chem1/nt6.i/20060811.b/jq36edl.d
Di-n-butylphthalate Amount: 0.94

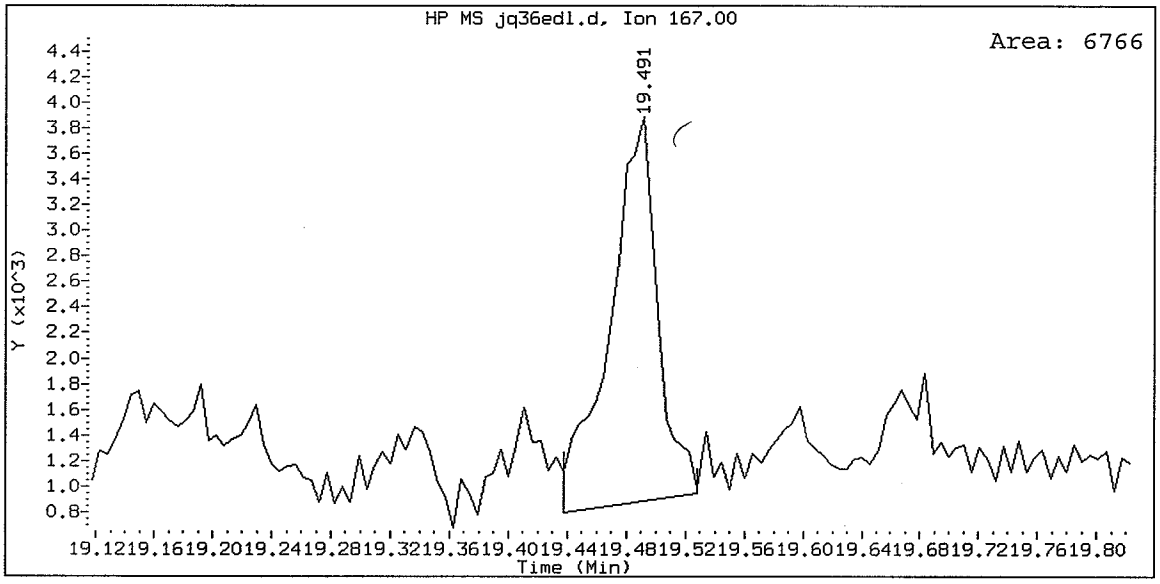


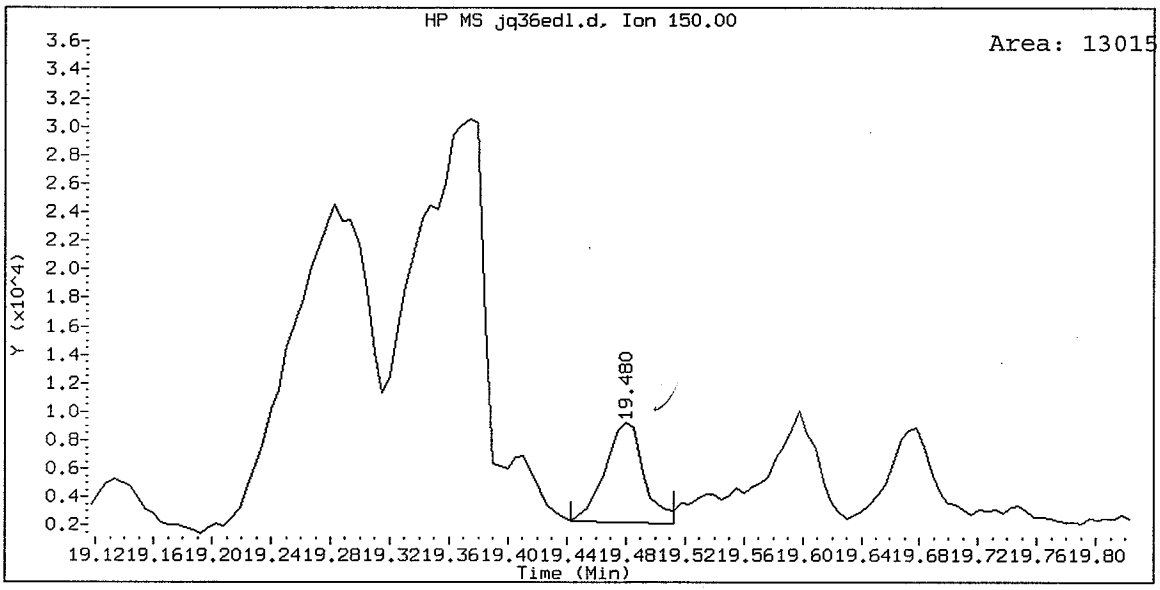




JQ36E, /chem1/nt6.i/20060811.b/jq36edl.d
bis(2-Ethylhexyl)phthalate Amount: 0.63







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-04-B
SAMPLE

Lab Sample ID: JQ36F
LIMS ID: 06-12977
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 15:38
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.6%
pH: 6.4

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**	**30 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**16 J**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	74.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36f.d
Lab Smp Id: JQ36F — Client Smp ID: T4-S3-04-B
Inj Date : 12-AUG-2006 15:38
Operator : LJR — Inst ID: nt6.i
Smp Info : JQ36F
Misc Info : 06-12977
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff — Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 — Cal File: 0400810.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/13/06

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	65.20000	Weight of sample extracted (g)
M	22.60000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.728	5.700	(0.752)	364049	22.6594	449.0
$ 2 Phenol-d5	99	7.197	7.169	(0.945)	466509	25.0199	495.8
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	7.325	7.314	(0.962)	365725	24.1636	478.8
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	7.614	7.607	(1.000)	207546	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.908	7.907	(1.039)	149832	16.1477	320.0
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.527	8.526	(0.885)	290551	15.6127	309.4
	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	9.281	9.413	(0.963)	29904	2.82487 LDL	55.98(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.638	9.637	(1.000)	756175	20.0000	
	28 Naphthalene	128	9.665	9.669	(1.003)	41374	0.97006 LDL	19.22
	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	10.792	10.791	(1.120)	12391	0.59335 LDL	11.76
	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	11.439	11.438	(0.915)	464244	17.0075	337.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.507	12.506	(1.000)	423867	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.555	12.554	(1.004)	128820	5.33434	105.7
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.817	12.816	(1.025)	31915	0.99224 LDL	19.66
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.378	13.377	(1.070)	61970	2.31097	45.79
	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	13.800	13.804	(1.103)	82085	27.4573	544.1
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.895	14.889	(1.000)	609831	20.0000	
	60 Phenanthrene	178	14.933	14.926	(1.002)	681495	19.3375	383.2
	61 Anthracene	178	14.997	15.001	(1.007)	160558	4.40404	87.27
	62 Carbazole	167	15.285	15.284	(1.026)	122228	3.48746	69.11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.012	16.005	(1.075)	63582	1.5224 3	30.17
64 Fluoranthene	202	16.882	16.876	(1.133)	1345837	37.3981	741.1
65 Pyrene	202	17.240	17.229	(0.896)	1345062	34.8077	689.7
$ 66 Terphenyl-d14	244	17.550	17.549	(0.912)	435969	18.5822	368.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.206	19.200	(0.999)	884652	29.4663	583.9
* 69 Chrysene-d12	240	19.233	19.227	(1.000)	454068	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.276	19.264	(1.002)	935159	30.9192	612.7
72 bis(2-Ethylhexyl)phthalate	149	19.436	19.435	(0.954)	20386	0.81120 LDL	16.07(M)
* 134 Di-n-octylphthalate-d4	153	20.376	20.370	(1.000)	962678	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.878	20.861	(0.976)	1108761	33.6645	667.1
75 Benzo(k)fluoranthene	252	20.905	20.899	(0.977)	1037965	35.1947	697.4(M)
76 Benzo(a)pyrene	252	21.327	21.310	(0.996)	1034726	34.5069	683.8
* 77 Perylene-d12	264	21.402	21.390	(1.000)	529524	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.951	22.929	(1.072)	872550	23.2250	460.2
79 Dibenzo(a,h)anthracene	278	22.962	22.955	(1.073)	191012	6.13498	121.6(M)
80 Benzo(g,h,i)perylene	276	23.378	23.356	(1.092)	757697	21.8307	432.6
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36f.d
Lab Smp Id: JQ36F
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12977

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-04-B
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	207546	7.64
27 Naphthalene-d8	717645	358822	1435290	756175	5.37
42 Acenaphthene-d10	392612	196306	785224	423867	7.96
59 Phenanthrene-d10	585303	292652	1170606	609831	4.19
69 Chrysene-d12	417116	208558	834232	454068	8.86
134 Di-n-octylphthala	917217	458608	1834434	962678	4.96
77 Perylene-d12	463417	231708	926834	529524	14.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.61	0.08
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.01
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.01
59 Phenanthrene-d10	14.89	14.39	15.39	14.90	0.04
69 Chrysene-d12	19.23	18.73	19.73	19.23	0.03
134 Di-n-octylphthala	20.37	19.87	20.87	20.38	0.03
77 Perylene-d12	21.39	20.89	21.89	21.40	0.06

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36F
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12977

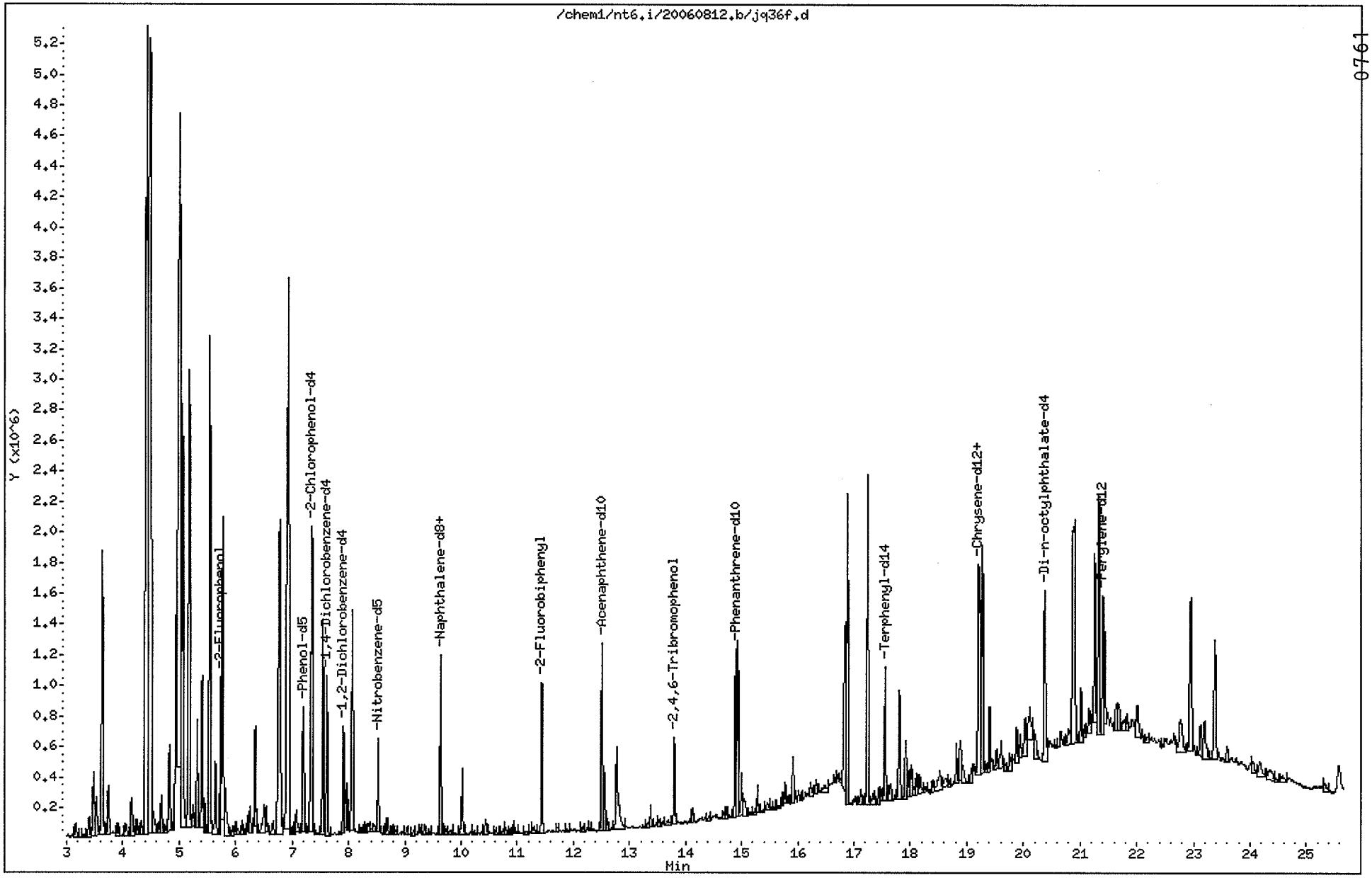
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-04-B
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	743.1	449.0	60.43	22-91
$ 2 Phenol-d5	743.1	495.8	66.72	26-99
$ 5 2-Chlorophenol-d4	743.1	478.8	64.44	29-96
$ 10 1,2-Dichlorobenzen	495.4	320.0	64.59	24-87
$ 18 Nitrobenzene-d5	495.4	309.4	62.45	27-101
$ 36 2-Fluorobiphenyl	495.4	337.0	68.03	30-100
$ 55 2,4,6-Tribromophen	743.1	544.1	73.22	20-114
$ 66 Terphenyl-d14	495.4	368.2	74.33	12-120

Data File: /chem1/nt6.i/20060812.b/jq36f.d
Date : 12-AUG-2006 15:38
Client ID: T4-S3-04-B
Sample Info: JQ36F
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0761

Data File: /chem1/nt6.i/20060812.b/jq36f.d

Date : 12-AUG-2006 15:38

Client ID: T4-S3-04-B

Instrument: nt6.i

Sample Info: JQ36F

Volume Injected (uL): 1.0

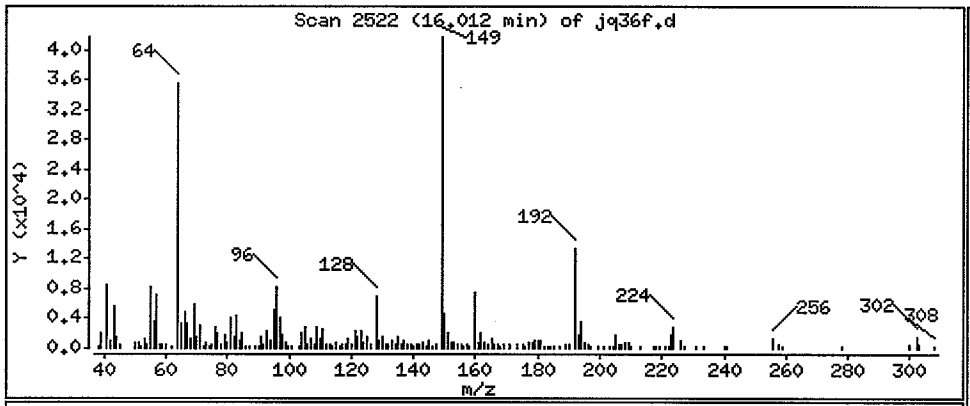
Operator: LJR

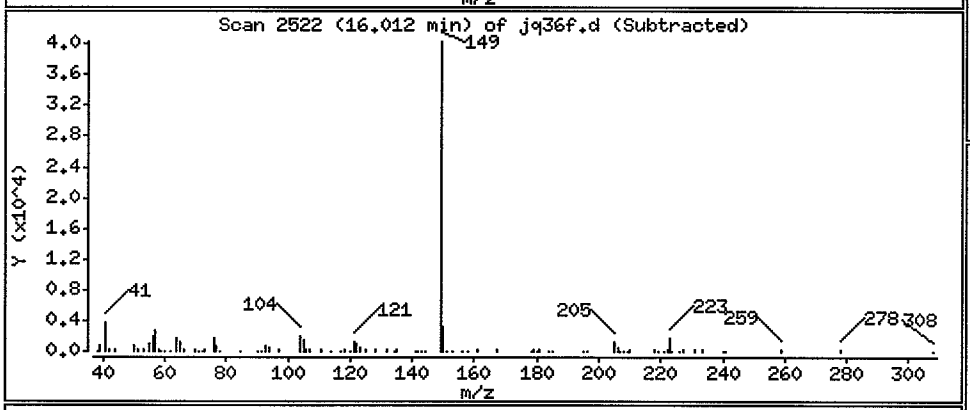
Column phase: ZB-5

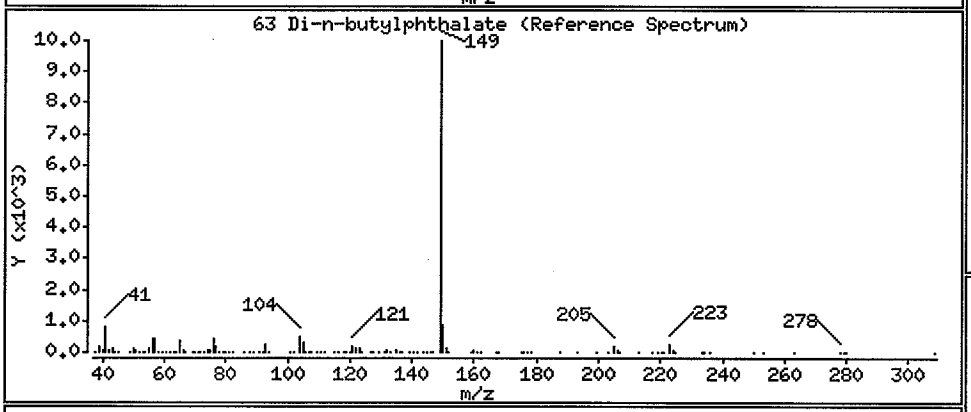
Column diameter: 0.32

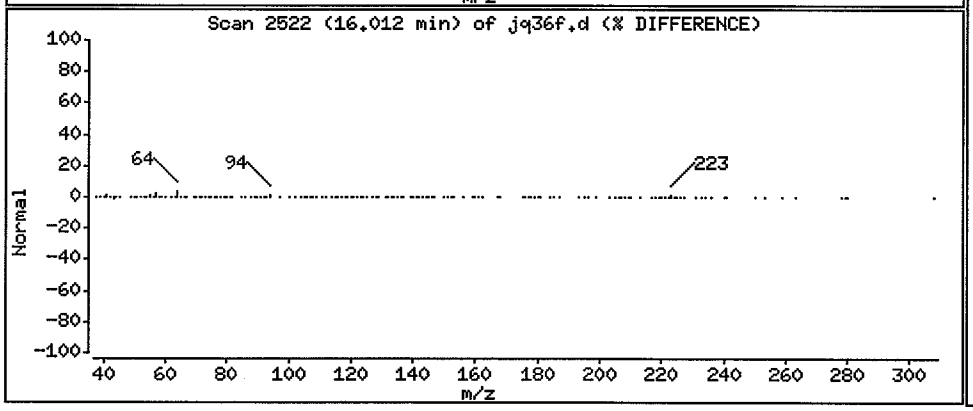
63 Di-n-butylphthalate

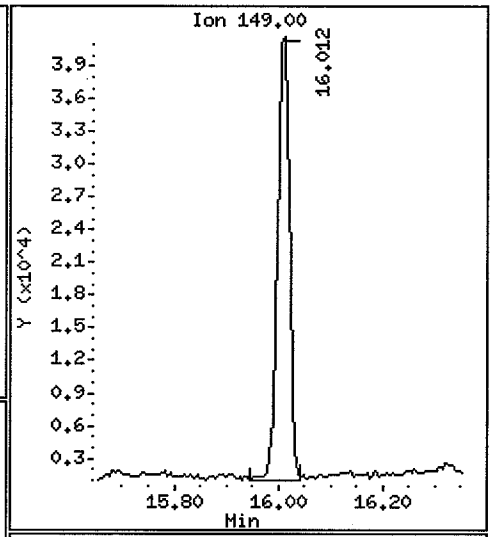
Concentration: 30.17 ug/kg

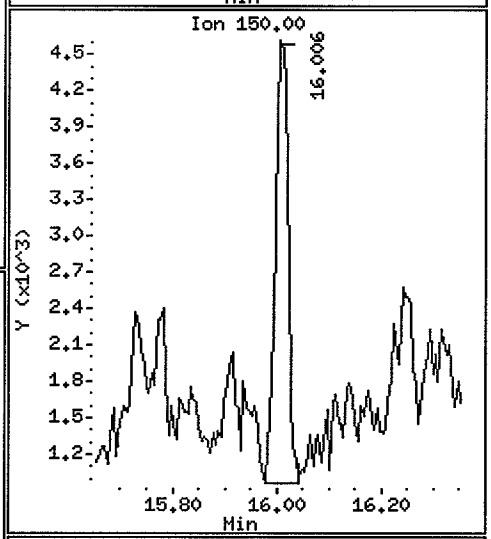


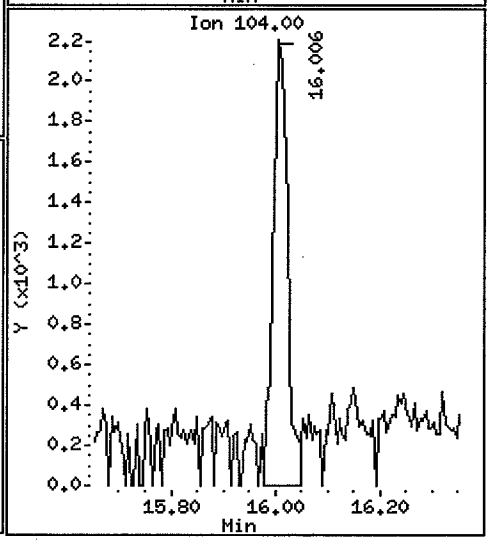












Data File: /chem1/nt6.i/20060812.b/jq36f.d

Date : 12-AUG-2006 15:38

Client ID: T4-S3-04-B

Instrument: nt6.i

Sample Info: JQ36F

Volume Injected (uL): 1.0

Operator: LJR

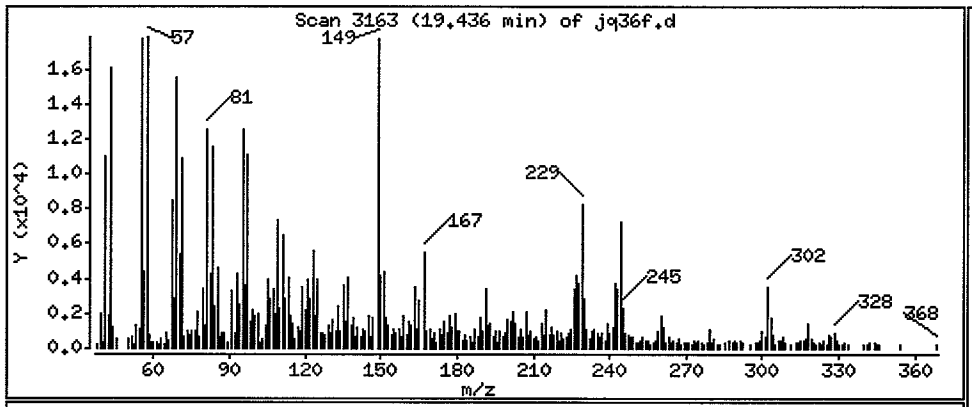
Column phase: ZB-5

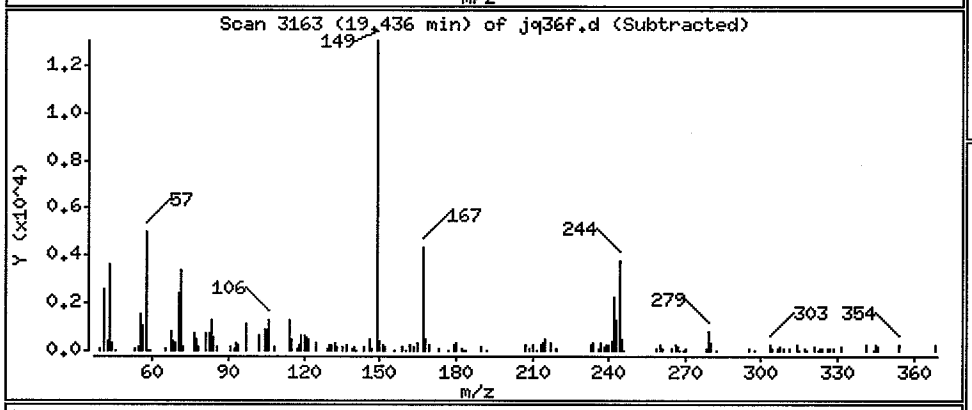
Column diameter: 0.32

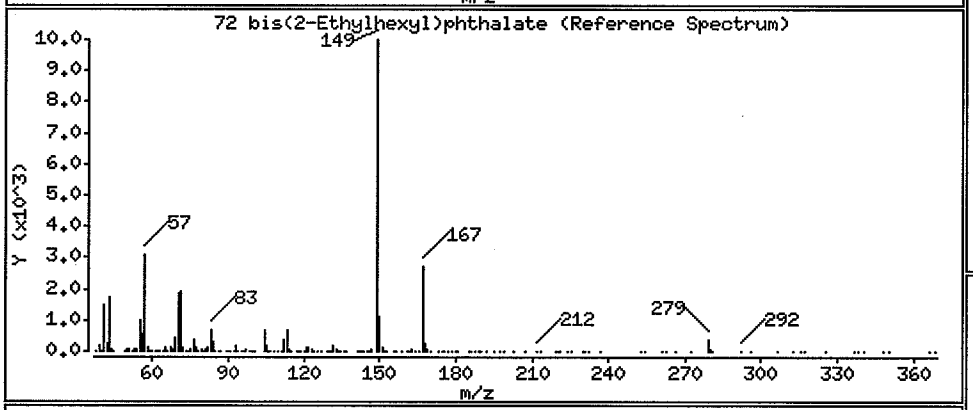
J

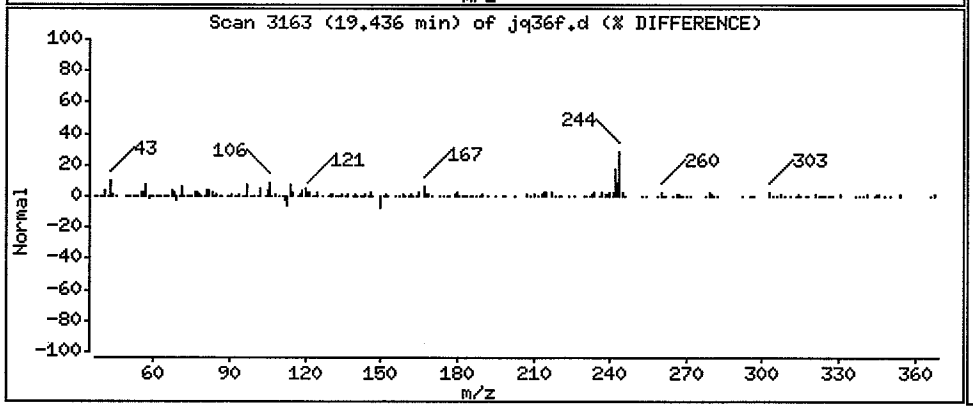
72 bis(2-Ethylhexyl)phthalate

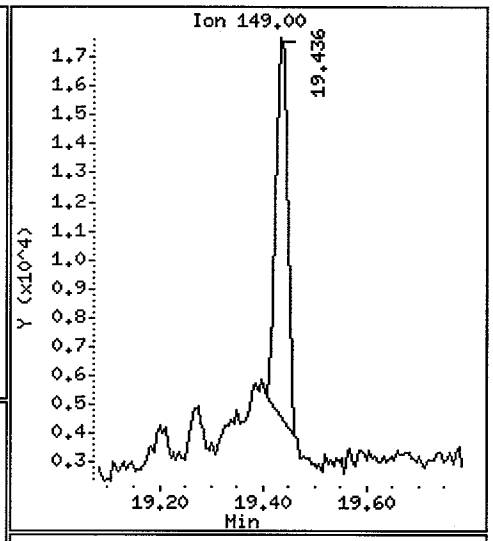
Concentration: 16.07 ug/kg

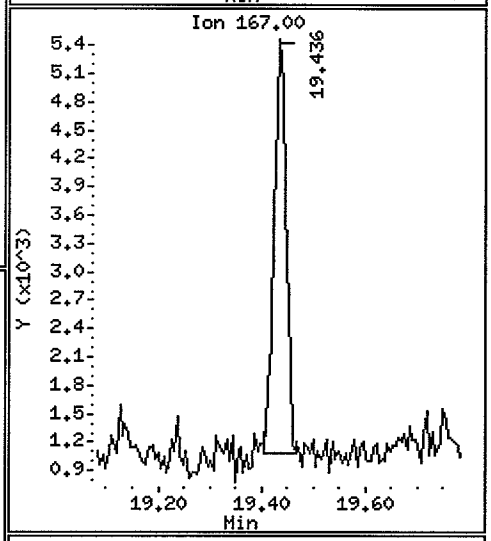


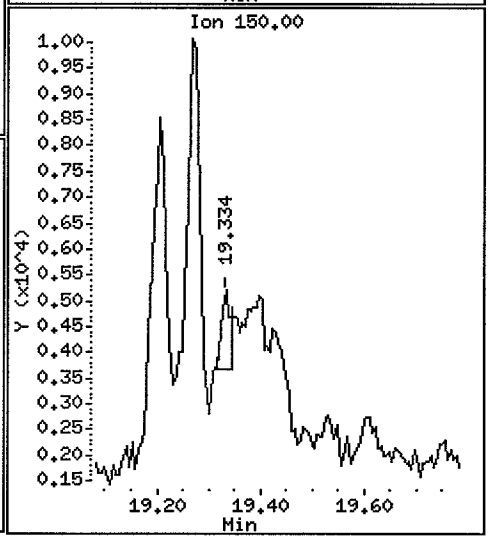






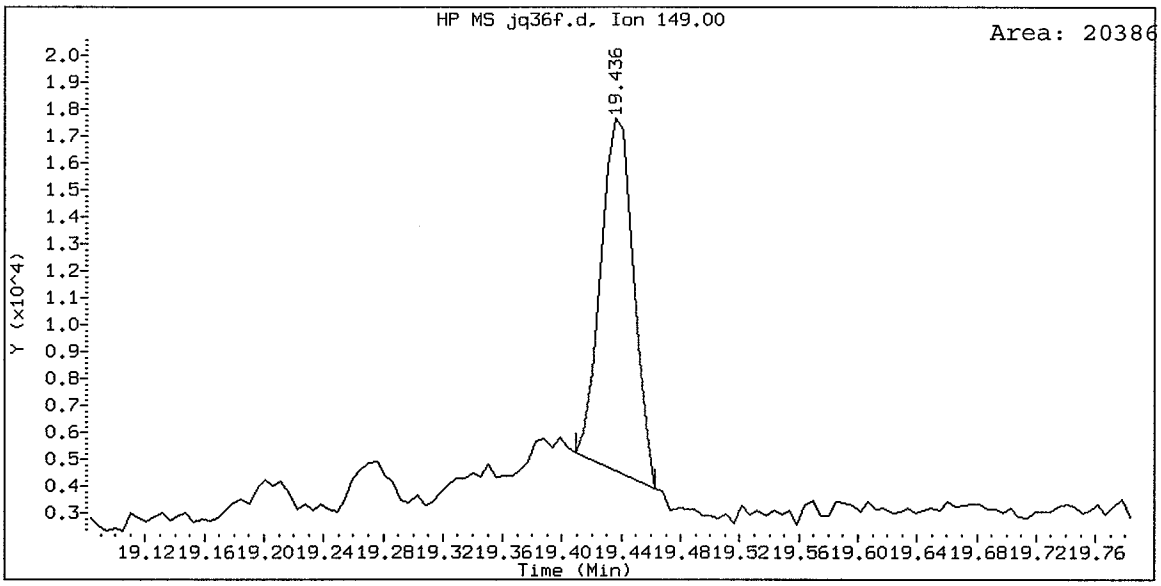


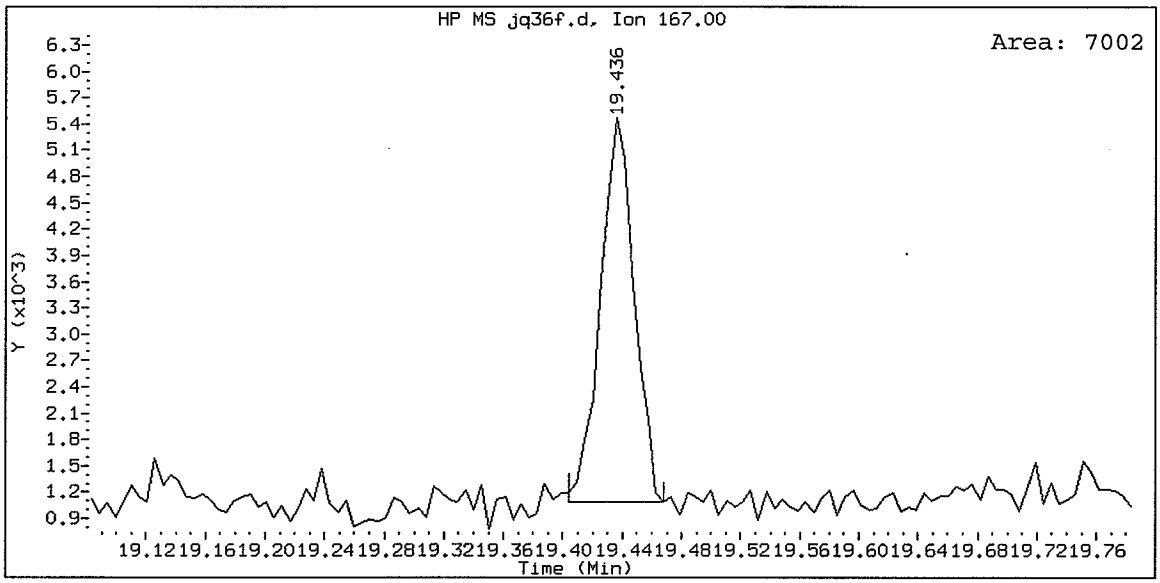


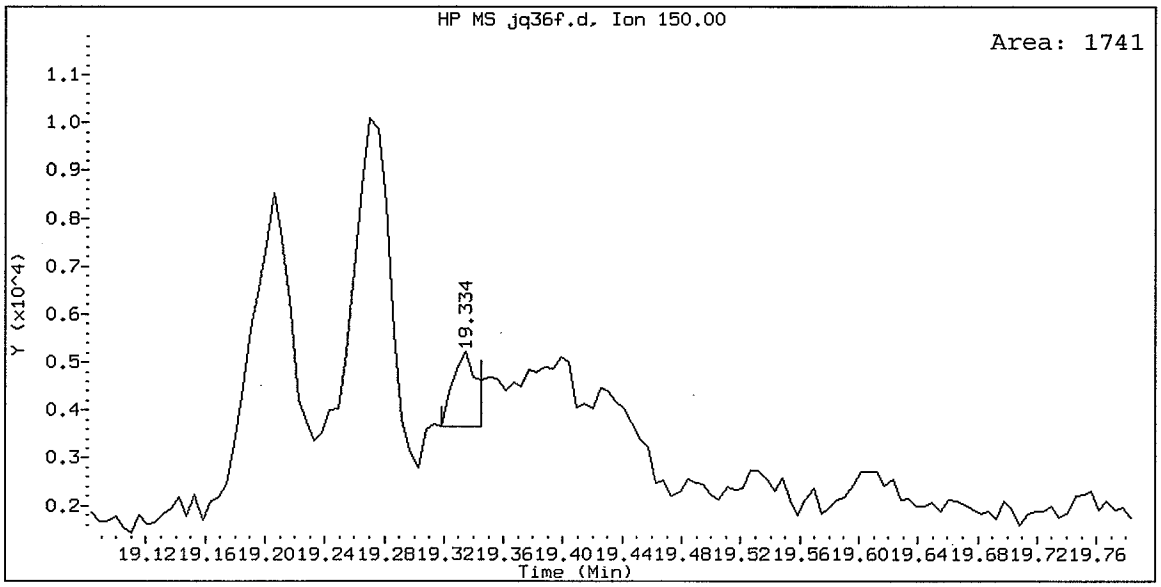


JQ36F, /chem1/nt6.i/20060812.b/jq36f.d
bis(2-Ethylhexyl)phthalate Amount: 0.81

J







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-04-C
SAMPLE

Lab Sample ID: JQ36G
LIMS ID: 06-12978
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 16:11
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 35.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 29.3%
pH: 6.8

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	28	< 28 U
84-66-2	Diethylphthalate	28	< 28 U
84-74-2	**Di-n-Butylphthalate**	**28**	**38 B**
85-68-7	Butylbenzylphthalate	28	< 28 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**28**	**34**
117-84-0	Di-n-Octyl phthalate	28	< 28 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	68.0%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36g.d
Lab Smp Id: JQ36G
Client Smp ID: T4-S3-04-C
Inj Date : 12-AUG-2006 16:11
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36G
Misc Info : 06-12978
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/15/06

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	50.60000	Weight of sample extracted (g)
M	29.30000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.759	5.700	(0.756)	306450	18.7725	524.8
$ 2 Phenol-d5	99	7.185	7.169	(0.944)	419786	22.1579	619.4
3 Phenol	94	7.206	7.191	(0.947)	23647	1.06409	29.74
$ 5 2-Chlorophenol-d4	132	7.324	7.314	(0.962)	333252	21.6698	605.7
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	7.612	7.607	(1.000)	210882	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.906	7.907	(1.039)	132879	14.0941	394.0
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	8.344	8.334	(1.096)	8636	0.57546 LOL	16.09
$	18 Nitrobenzene-d5	82	8.526	8.526	(0.885)	259269	13.7700	384.9
	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	9.316	9.413	(0.967)	81973	7.65362 HDL	213.9(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.637	9.637	(1.000)	765059	20.0000	
	28 Naphthalene	128	9.669	9.669	(1.003)	157264	3.71236	103.8
	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	10.791	10.791	(1.120)	47420	2.24437	62.74
	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	11.437	11.438	(0.915)	419724	15.5650	435.1
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.506	12.506	(1.000)	418735	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.559	12.554	(1.004)	470507	19.7221	551.3
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.816	12.816	(1.025)	127932	4.02616	112.5
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.376	13.377	(1.070)	246513	9.30558	260.1
	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	13.590	13.607	(0.912)	6464	0.55232 LOL	15.44(M)
$	55 2,4,6-Tribromophenol	330	13.804	13.804	(1.104)	75254	25.4808	712.3
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.894	14.889	(1.000)	561618	20.0000	
	60 Phenanthrene	178	14.942	14.926	(1.003)	2146144	82.5723 E	2308
	61 Anthracene	178	15.006	15.001	(1.008)	551915	16.4384	459.5
	62 Carbazole	167	15.284	15.284	(1.026)	460589	14.9308	417.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.010	16.005	(1.075)	52669	1.36941 B	38.28
64 Fluoranthene	202	16.902	16.876	(1.135)	3842854	115.952 E	3241
65 Pyrene	202	17.260	17.229	(0.896)	3740380	105.083 E	2937
$ 66 Terphenyl-d14	244	17.554	17.549	(0.912)	366576	16.9626	474.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.231	19.200	(0.999)	2955299	106.866 E	2987
* 69 Chrysene-d12	240	19.253	19.227	(1.000)	418250	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.306	19.264	(1.003)	3066986	110.088 E	3077
72 bis(2-Ethylhexyl)phthalate	149	19.445	19.435	(0.954)	30565	1.20275	33.62(M)
* 134 Di-n-octylphthalate-d4	153	20.391	20.370	(1.000)	973476	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.930	20.861	(0.977)	4629527	139.654 E	3904(M)
75 Benzo(k)fluoranthene	252	20.957	20.899	(0.978)	2220158	103.572 E	2895(M)
76 Benzo(a)pyrene	252	21.384	21.310	(0.998)	3608220	119.552 E	3342
* 77 Perylene-d12	264	21.432	21.390	(1.000)	532969	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.008	22.929	(1.074)	2435412	64.4053	1800
79 Dibenzo(a,h)anthracene	278	23.019	22.955	(1.074)	469678	14.9878	419.0(M)
80 Benzo(g,h,i)perylene	276	23.446	23.356	(1.094)	1960051	56.1077	1568
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	10.962	10.962	(1.137)	25018	1.16286	32.51
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36g.d
Lab Smp Id: JQ36G
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12978

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-S3-04-C
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	210882	9.37
27 Naphthalene-d8	717645	358822	1435290	765059	6.61
42 Acenaphthene-d10	392612	196306	785224	418735	6.65
59 Phenanthrene-d10	585303	292652	1170606	561618	-4.05
69 Chrysene-d12	417116	208558	834232	418250	0.27
134 Di-n-octylphthala	917217	458608	1834434	973476	6.13
77 Perylene-d12	463417	231708	926834	532969	15.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.61	0.06
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.00
59 Phenanthrene-d10	14.89	14.39	15.39	14.89	0.03
69 Chrysene-d12	19.23	18.73	19.73	19.25	0.14
134 Di-n-octylphthala	20.37	19.87	20.87	20.39	0.10
77 Perylene-d12	21.39	20.89	21.89	21.43	0.20

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36G
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12978

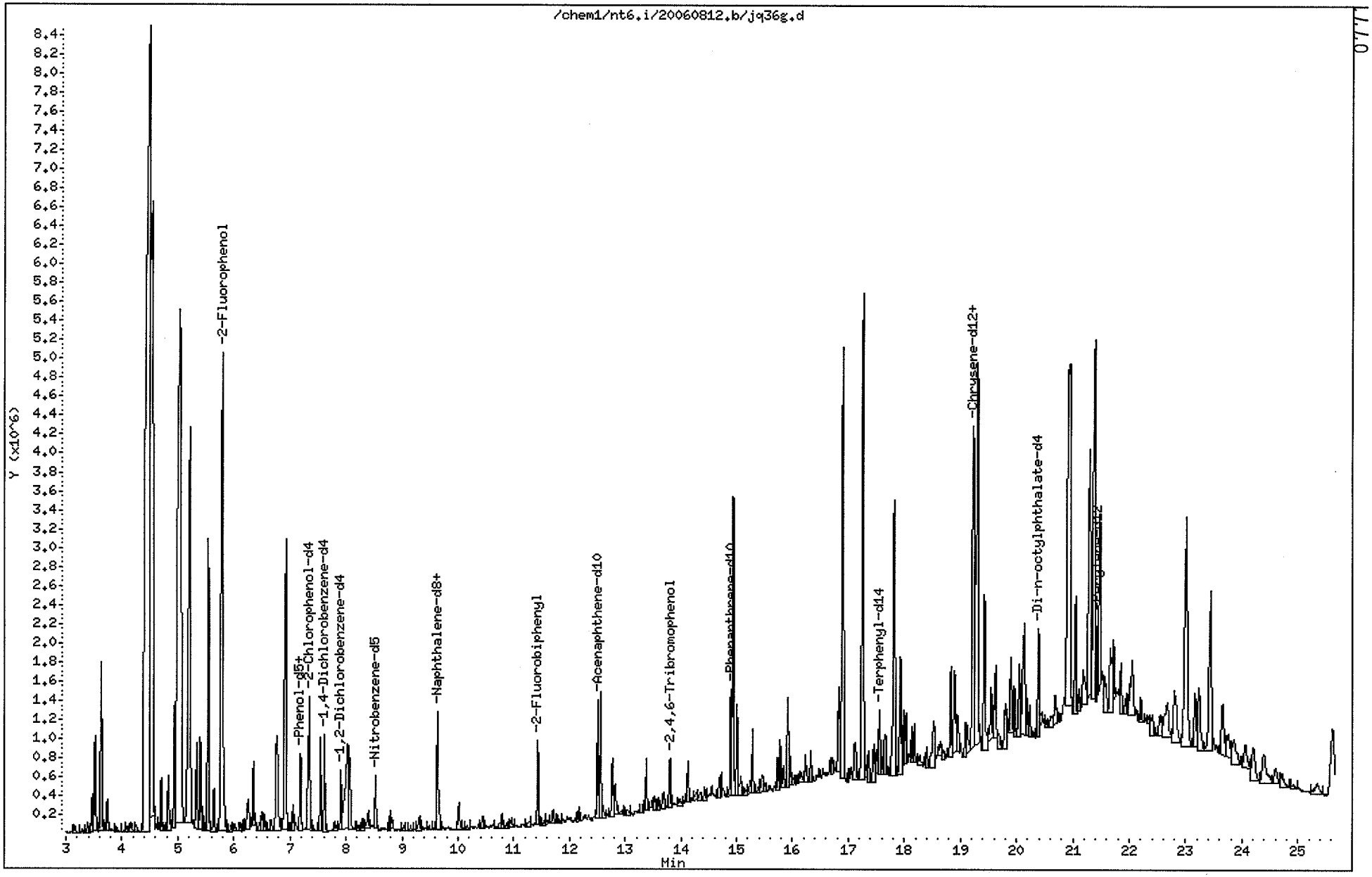
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-04-C
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	1048	524.8	50.06	22-91
$ 2 Phenol-d5	1048	619.4	59.09	26-99
$ 5 2-Chlorophenol-d4	1048	605.7	57.79	29-96
$ 10 1,2-Dichlorobenzen	698.8	394.0	56.38	24-87
$ 18 Nitrobenzene-d5	698.8	384.9	55.08	27-101
$ 36 2-Fluorobiphenyl	698.8	435.1	62.26	30-100
$ 55 2,4,6-Tribromophen	1048	712.3	67.95	20-114
$ 66 Terphenyl-d14	698.8	474.2	67.85	12-120

Data File: /chem1/nt6.i/20060812.b/jq36g.d
Date : 12-AUG-2006 16:11
Client ID: T4-S3-04-C
Sample Info: JQ36G
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



Data File: /chem1/nt6.i/20060812.b/jq36g.d

Date : 12-AUG-2006 16:11

Client ID: T4-S3-04-C

Instrument: nt6.i

Sample Info: JQ36G

Volume Injected (uL): 1.0

Operator: LJR

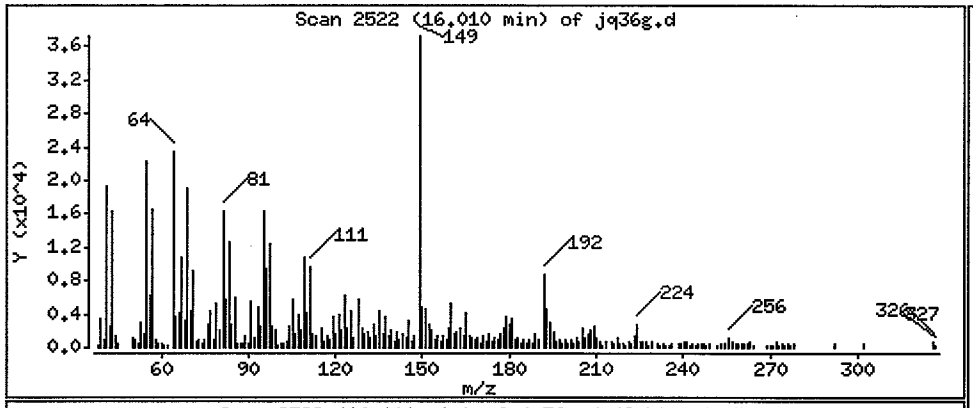
Column phase: ZB-5

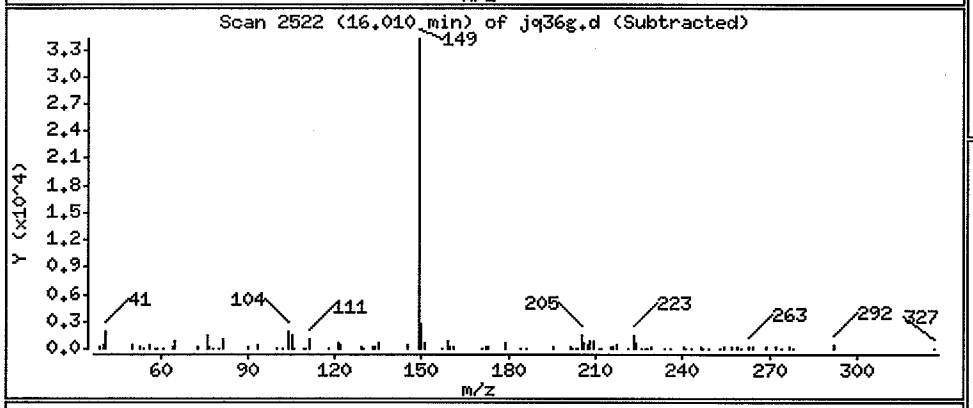
Column diameter: 0.32

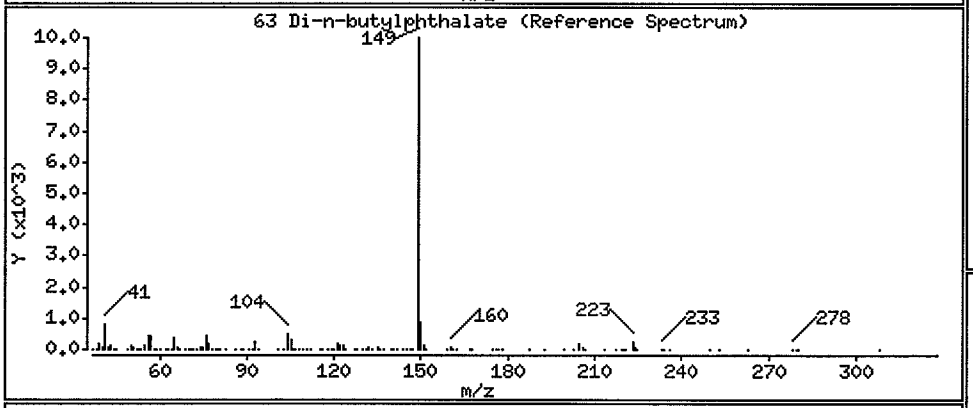
B

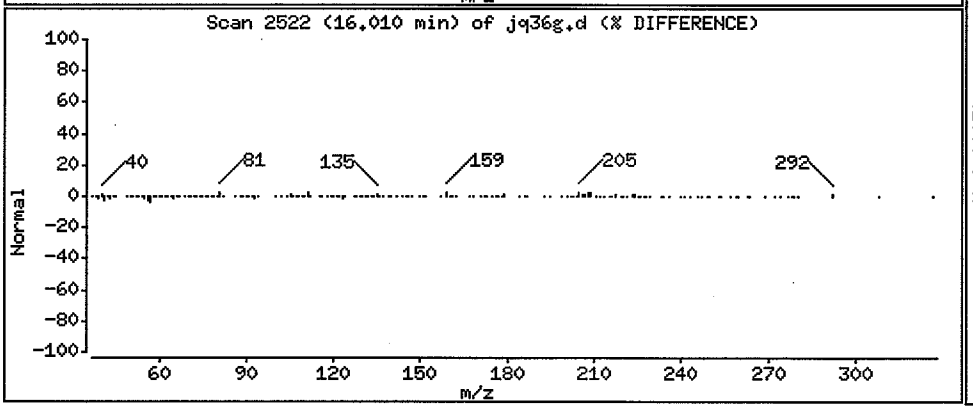
63 Di-n-butylphthalate

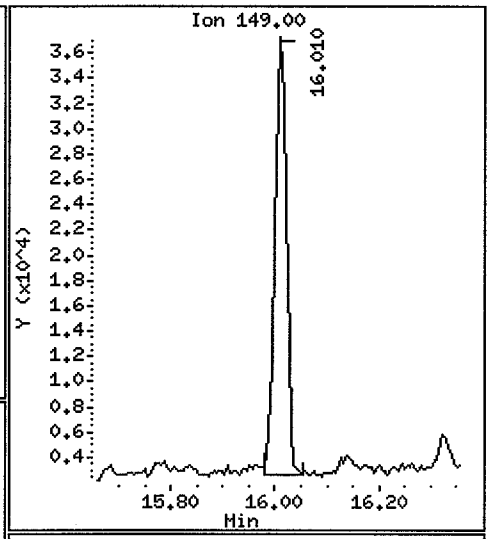
Concentration: 38.28 ug/kg

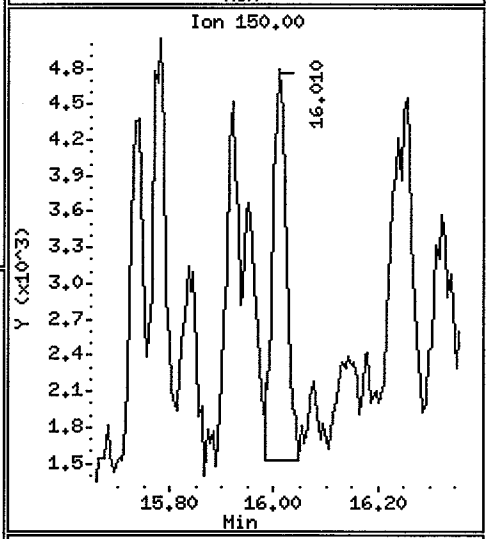


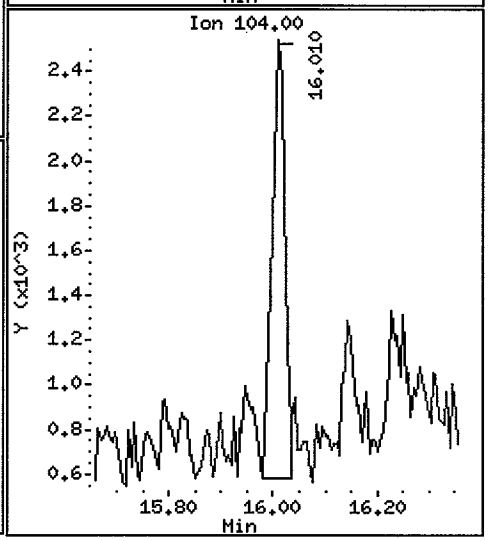












Data File: /chem1/nt6.i/20060812.b/jq36g.d

Date : 12-AUG-2006 16:11

Client ID: T4-S3-04-C

Instrument: nt6.i

Sample Info: JQ36G

Volume Injected (uL): 1.0

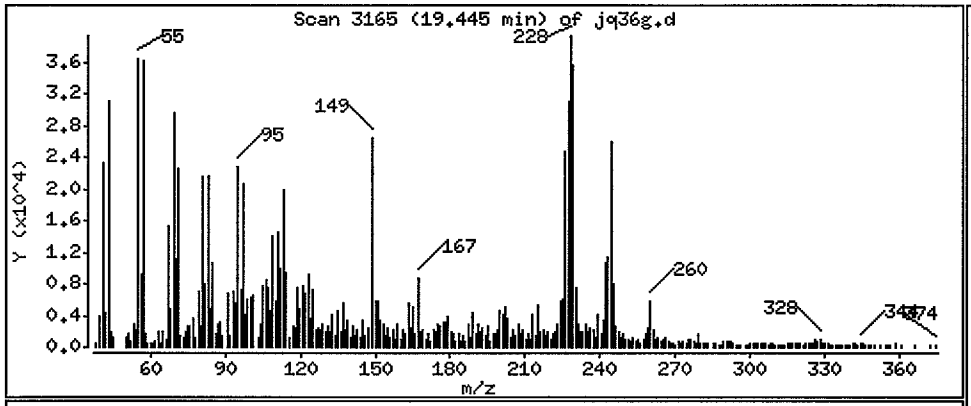
Operator: LJR

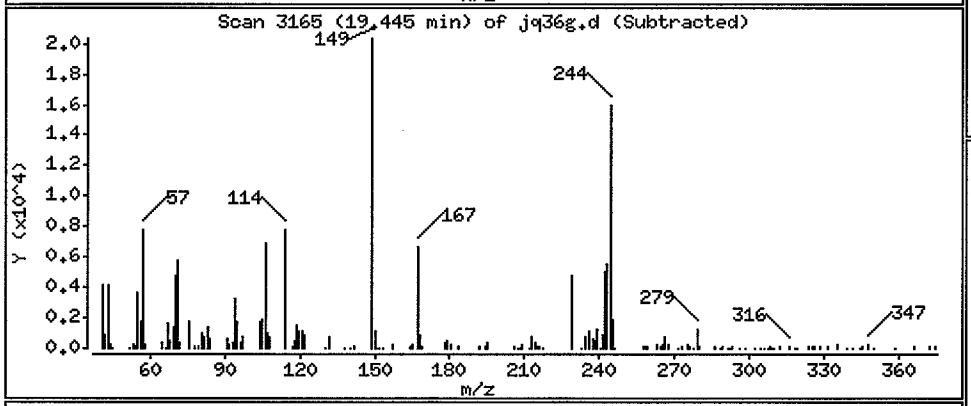
Column phase: ZB-5

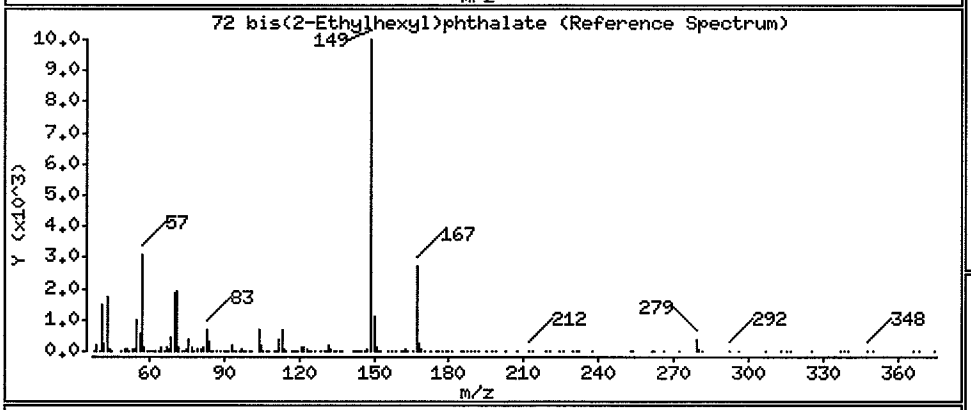
Column diameter: 0.32

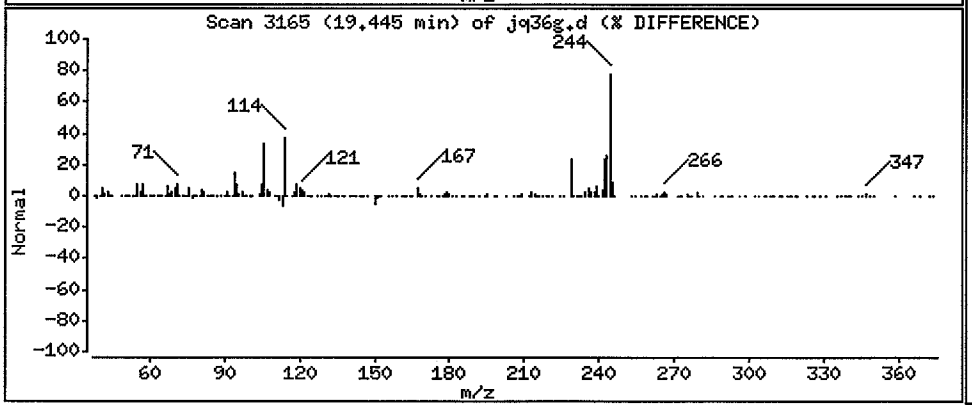
72 bis(2-Ethylhexyl)phthalate

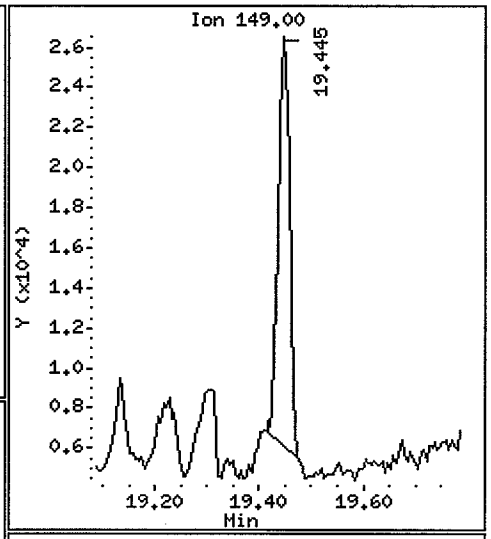
Concentration: 33.62 ug/kg

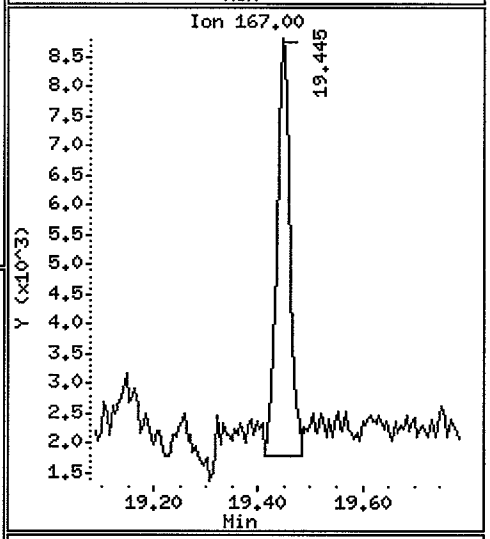


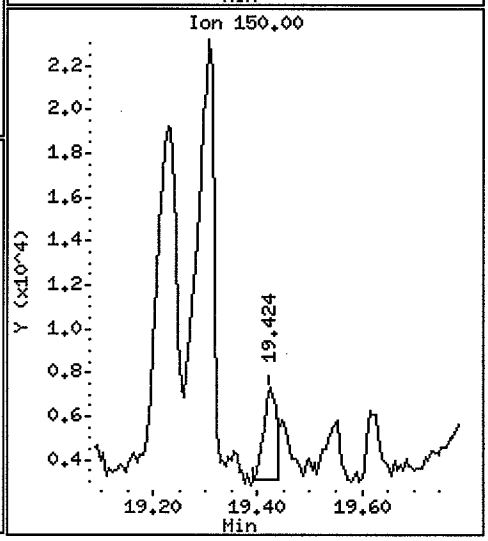




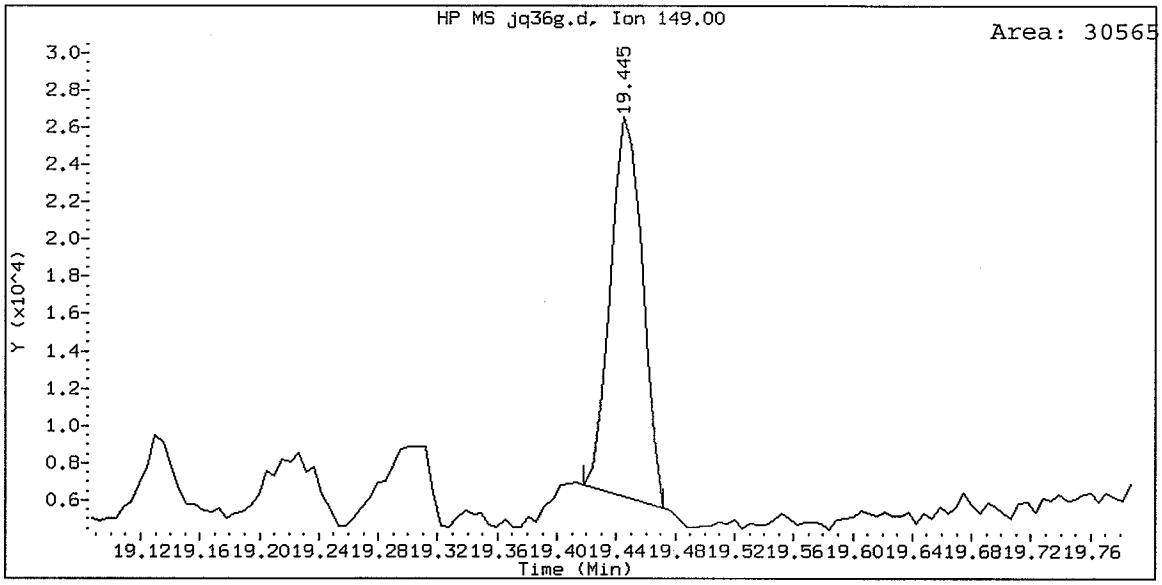


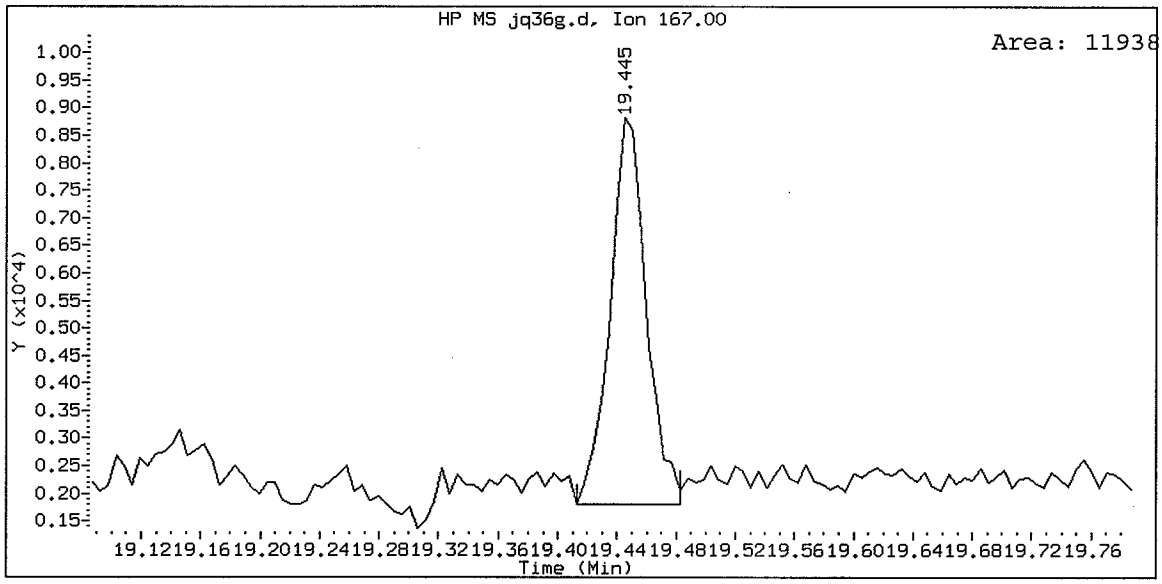


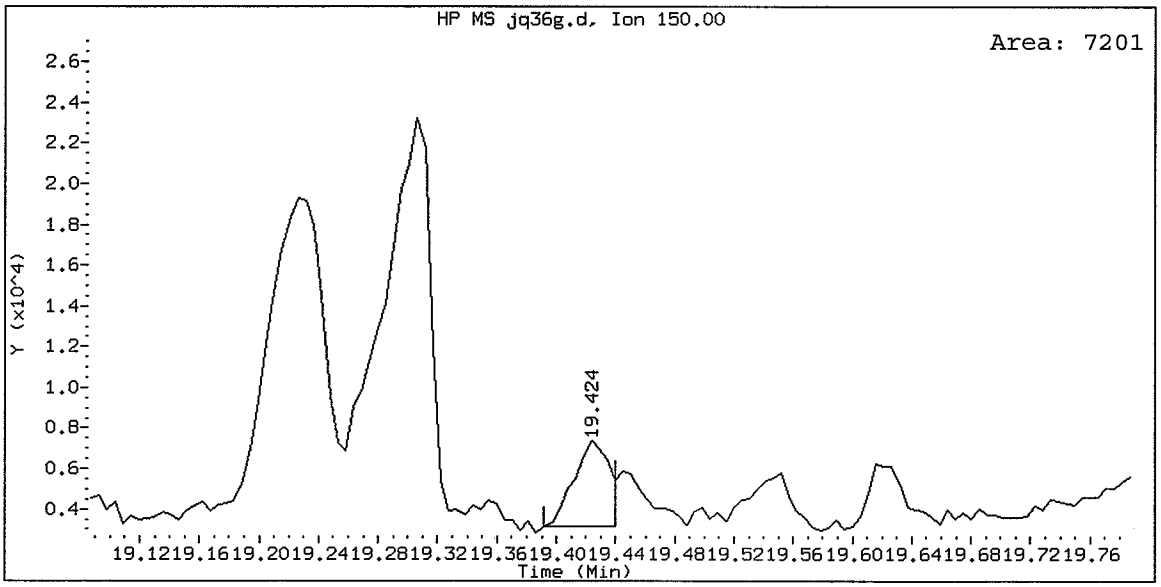




JQ36G, /chem1/nt6.i/20060812.b/jq36g.d
bis(2-Ethylhexyl)phthalate Amount: 1.20







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-04-D
SAMPLE

Lab Sample ID: JQ36H
LIMS ID: 06-12979
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 18:59
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 51.1 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 21.3%
pH: 6.3

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**	**26 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	69.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36h.d
Lab Smp Id: JQ36H
Client Smp ID: T4-S3-04-D
Inj Date : 11-AUG-2006 18:59
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36H
Misc Info : 06-12979
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/12/06

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	64.90000	Weight of sample extracted (g)
M	21.30000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.778	5.735	(0.755)	318844	20.9707	410.6
$ 2 Phenol-d5	99	7.225	7.199	(0.944)	408305	23.1196	453.0
3 Phenol	94	Compound Not Detected.					
$ 5 2-Chlorophenol-d4	132	7.359	7.349	(0.962)	310583	21.6835	424.5
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	7.653	7.648	(1.000)	196412	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.946	7.942	(1.038)	124928	14.2269	278.5
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	8.561	8.561	(0.885)	253918	14.3754	281.4
	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	9.309	9.427	(0.962)	22315	2.22093 LDL	43.48(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.672	9.672	(1.000)	717717	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	11.472	11.473	(0.915)	390460	15.3226	300.0
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.541	12.546	(1.000)	395702	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.594	12.595	(1.004)	52569	2.33179	45.65
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.851	12.856	(1.025)	21074	0.70183 LDL	13.74
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.411	13.417	(1.069)	36506	1.45827	28.55
	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	13.839	13.839	(1.103)	66105	23.6859	463.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.929	14.929	(1.000)	563140	20.0000	
	60 Phenanthrene	178	14.961	14.966	(1.002)	334609	9.78679	191.6
	61 Anthracene	178	15.035	15.041	(1.007)	61345	1.82218	35.68
	62 Carbazole	167	15.319	15.319	(1.026)	50294	1.54108	30.17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	16.040	16.040	(1.074)	51986	1.34800 B	26.39
	64 Fluoranthene	202	16.911	16.916	(1.133)	584768	17.5968	344.5
	65 Pyrene	202	17.268	17.269	(0.897)	545890	15.0438	294.5
$	66 Terphenyl-d14	244	17.584	17.584	(0.913)	382063	17.3420	339.5
	67 Butylbenzylphthalate	149	Compound Not Detected.					
	68 Benzo(a)anthracene	228	19.234	19.235	(0.999)	339921	12.0573	236.1
*	69 Chrysene-d12	240	19.261	19.262	(1.000)	426383	20.0000	
	70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
	71 Chrysene	228	19.304	19.304	(1.002)	381169	13.4209	262.8
	72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
*	134 Di-n-octylphthalate-d4	153	20.404	20.405	(1.000)	952769	20.0000	
	73 Di-n-octylphthalate	149	Compound Not Detected.					
	74 Benzo(b)fluoranthene	252	20.901	20.902	(0.975)	505694	17.4369	341.4
	75 Benzo(k)fluoranthene	252	20.928	20.934	(0.977)	376416	11.5792	226.7(M)
	76 Benzo(a)pyrene	252	21.350	21.350	(0.996)	414308	15.6910	307.2
*	77 Perylene-d12	264	21.430	21.425	(1.000)	466270	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.979	22.980	(1.072)	371397	11.2267	219.8
	79 Dibenzo(a,h)anthracene	278	22.995	23.006	(1.073)	82047	2.99270	58.59(M)
	80 Benzo(g,h,i)perylene	276	23.407	23.418	(1.092)	355447	11.6304	227.7
	90 N-Nitrosodimethylamine	74	Compound Not Detected.					
	91 Aniline	93	Compound Not Detected.					
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
	111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36h.d
Lab Smp Id: JQ36H
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12979

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-S3-04-D
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	196412	23.91
27 Naphthalene-d8	584278	292139	1168556	717717	22.84
42 Acenaphthene-d10	318444	159222	636888	395702	24.26
59 Phenanthrene-d10	463777	231888	927554	563140	21.42
69 Chrysene-d12	336614	168307	673228	426383	26.67
134 Di-n-octylphthala	762795	381398	1525590	952769	24.90
77 Perylene-d12	420407	210204	840814	466270	10.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.06
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.05
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.40	19.90	20.90	20.40	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

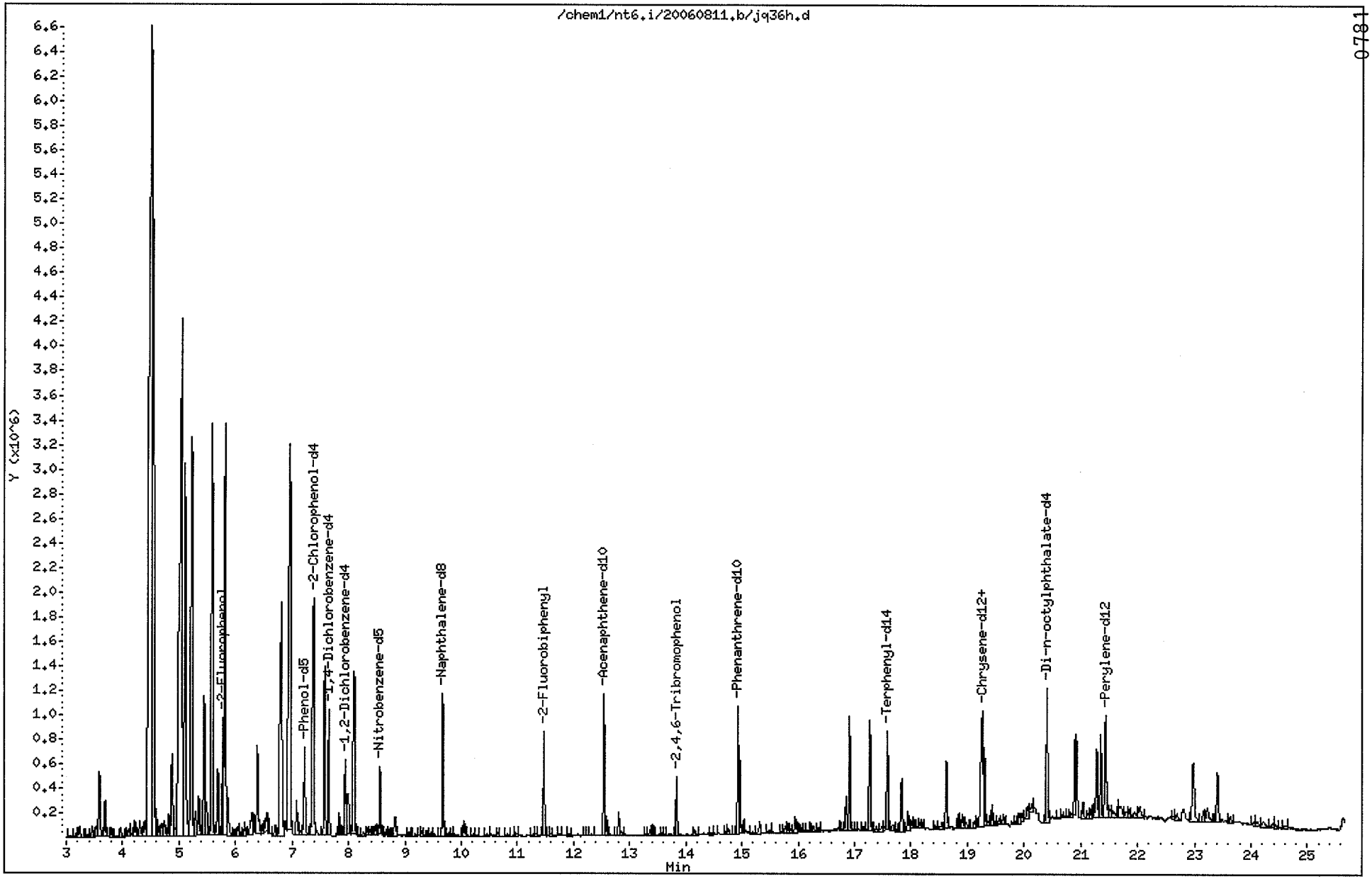
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36H
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12979

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-04-D
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	734.2	410.6	55.92	22-91
$ 2 Phenol-d5	734.2	453.0	61.71	26-99
$ 5 2-Chlorophenol-d4	734.2	424.5	57.82	29-96
$ 10 1,2-Dichlorobenzen	489.5	278.5	56.91	24-87
$ 18 Nitrobenzene-d5	489.5	281.4	57.50	27-101
$ 36 2-Fluorobiphenyl	489.5	300.0	61.29	30-100
$ 55 2,4,6-Tribromophen	734.2	463.7	63.16	20-114
$ 66 Terphenyl-d14	489.5	339.5	69.37	12-120

Data File: /chem1/nt6.i/20060811.b/jq36h.d
Date : 11-AUG-2006 18:59
Client ID: T4-S3-04-D
Sample Info: JQ36H
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0781

Data File: /chem1/nt6.i/20060811.b/jq36h.d

Date : 11-AUG-2006 18:59

Client ID: T4-S3-04-D

Instrument: nt6.i

Sample Info: JQ36H

Volume Injected (uL): 1.0

Operator: LJR

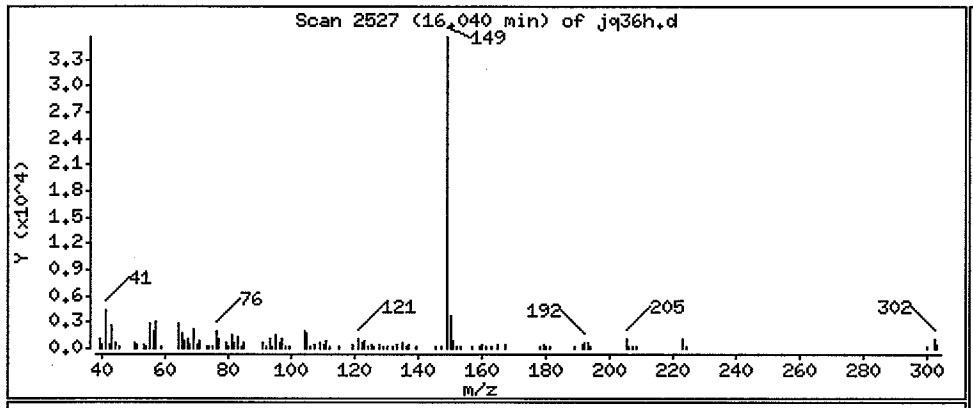
Column phase: ZB-5

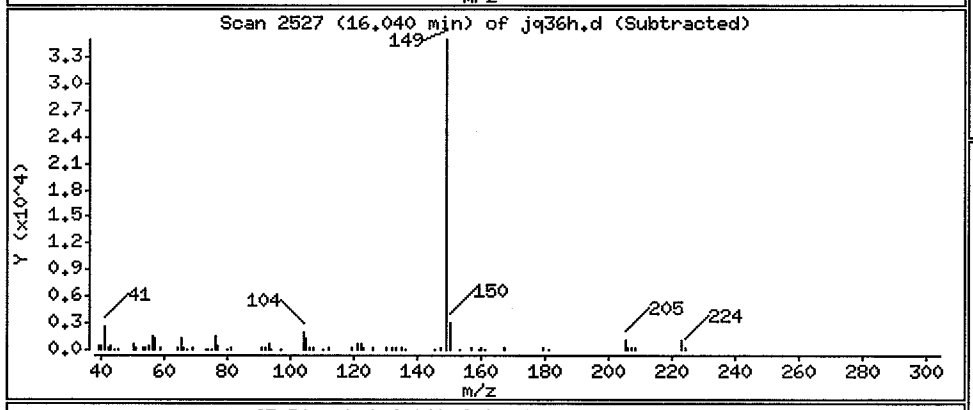
Column diameter: 0.32

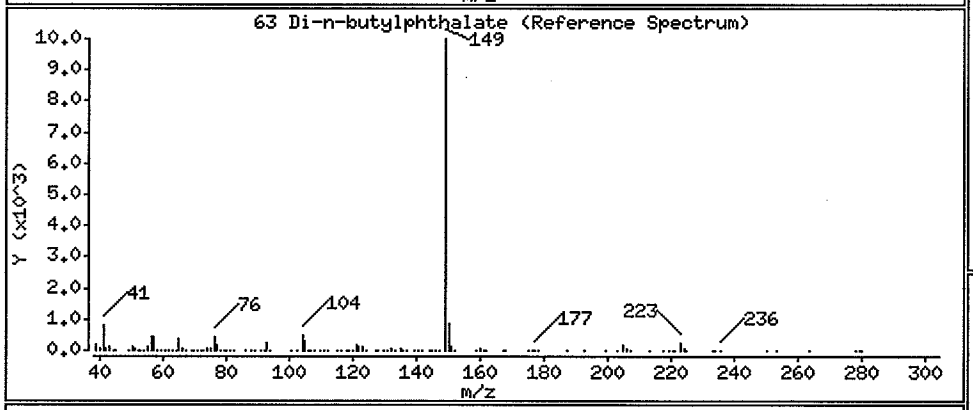
B

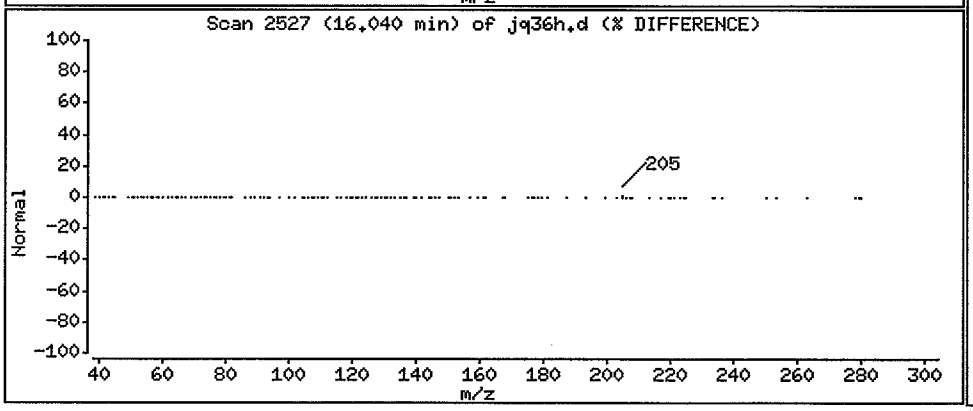
63 Di-n-butylphthalate

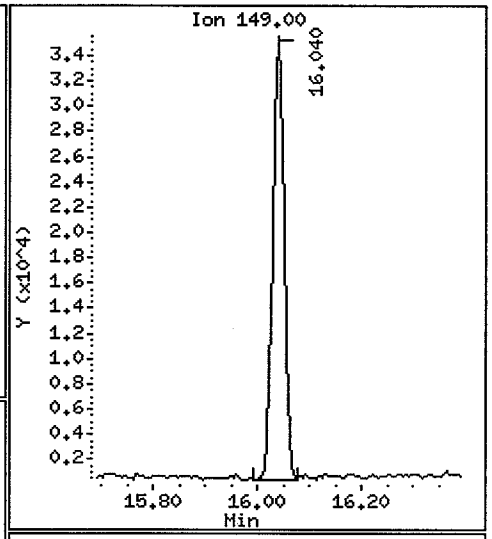
Concentration: 26.39 ug/kg

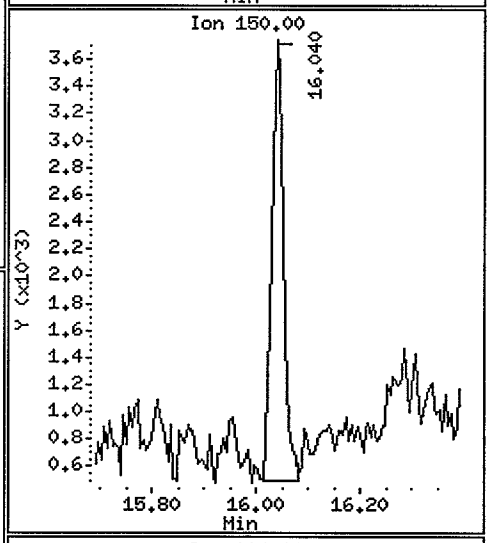


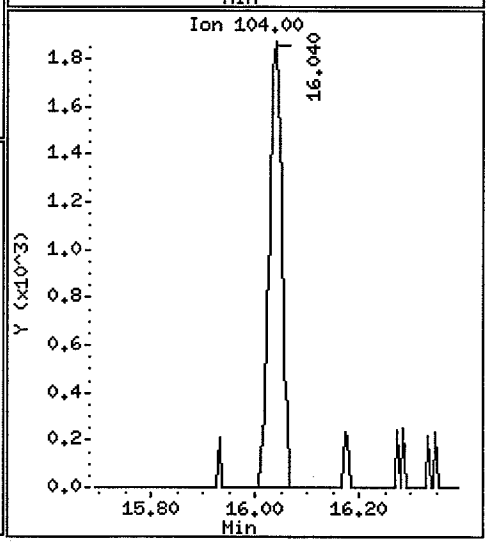












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-WB-01
SAMPLE

Lab Sample ID: JQ36I
LIMS ID: 06-12980
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 19:32
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 56.7%
pH: 7.1

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**	**22 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**65**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	40.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36i.d
Lab Smp Id: JQ36I
Client Smp ID: T4-WB-01
Inj Date : 11-AUG-2006 19:32
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36I
Misc Info : 06-12980
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/12/06

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	116.00000	Weight of sample extracted (g)
M	56.70000	% Moisture

Cpnd Variable — Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	5.773	5.735	(0.754)	214775	14.7332	293.3
$	2 Phenol-d5	99	7.210	7.199	(0.942)	264302	15.6225	311.0
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.354	7.349	(0.961)	207508	15.1101	300.8
	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	7.653	7.648	(1.000)	188317	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.942	7.942	(1.038)	80639	9.57800	190.7
	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	8.369	8.369	(1.094)	7086	0.52876 LDL	10.53
$	18 Nitrobenzene-d5	82	8.561	8.561	(0.885)	164262	9.66978	192.5
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.315	9.427	(0.963)	38108	3.94374 LDL	78.52(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.673	9.672	(1.000)	690238	20.0000	
	28 Naphthalene	128	9.705	9.704	(1.003)	23806	0.60995 LDL	12.14
	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	11.473	11.473	(0.915)	256109	10.5641	210.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.541	12.546	(1.000)	376457	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.589	12.595	(1.004)	27042	1.26081	25.10
	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	13.412	13.417	(1.069)	18109	0.76036 LDL	15.14
	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	13.839	13.839	(1.103)	45586	17.1688	341.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.929	14.929	(1.000)	533319	20.0000	
	60 Phenanthrene	178	14.967	14.966	(1.002)	216936	6.57847	131.0
	61 Anthracene	178	15.036	15.041	(1.007)	63355	1.98711	39.56
	62 Carbazole	167	15.319	15.319	(1.026)	31954	1.03157	20.54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.046	16.040	(1.075)	39963	1.09418	21.78
64 Fluoranthene	202	16.917	16.916	(1.133)	487657	15.4951	308.5
65 Pyrene	202	17.274	17.269	(0.897)	502375	13.7412	273.6
$ 66 Terphenyl-d14	244	17.584	17.584	(0.913)	226674	10.2119	203.3
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.240	19.235	(0.999)	258157	9.08865	180.9
* 69 Chrysene-d12	240	19.267	19.262	(1.000)	429594	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.304	19.304	(1.002)	323193	11.2945	224.9
72 bis(2-Ethylhexyl)phthalate	149	19.470	19.470	(0.954)	80916	3.24888	64.68(M)
* 134 Di-n-octylphthalate-d4	153	20.410	20.405	(1.000)	954064	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.907	20.902	(0.975)	400772	13.6529	271.8
75 Benzo(k)fluoranthene	252	20.928	20.934	(0.976)	282757	8.20281	163.3(M)
76 Benzo(a)pyrene	252	21.356	21.350	(0.996)	333786	12.4894	248.7
* 77 Perylene-d12	264	21.441	21.425	(1.000)	471947	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.996	22.980	(1.073)	289329	8.64072	172.0
79 Dibenzo(a,h)anthracene	278	23.012	23.006	(1.073)	56065	2.02040	40.22(M)
80 Benzo(g,h,i)perylene	276	23.434	23.418	(1.093)	283511	9.16502	182.5
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36i.d
Lab Smp Id: JQ36I
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12980

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-WB-01
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	188317	18.80
27 Naphthalene-d8	584278	292139	1168556	690238	18.14
42 Acenaphthene-d10	318444	159222	636888	376457	18.22
59 Phenanthrene-d10	463777	231888	927554	533319	14.99
69 Chrysene-d12	336614	168307	673228	429594	27.62
134 Di-n-octylphthala	762795	381398	1525590	954064	25.07
77 Perylene-d12	420407	210204	840814	471947	12.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.07
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.04
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.27	0.03
134 Di-n-octylphthala	20.40	19.90	20.90	20.41	0.03
77 Perylene-d12	21.43	20.93	21.93	21.44	0.08

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: JQ36I
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12980

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-WB-01
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

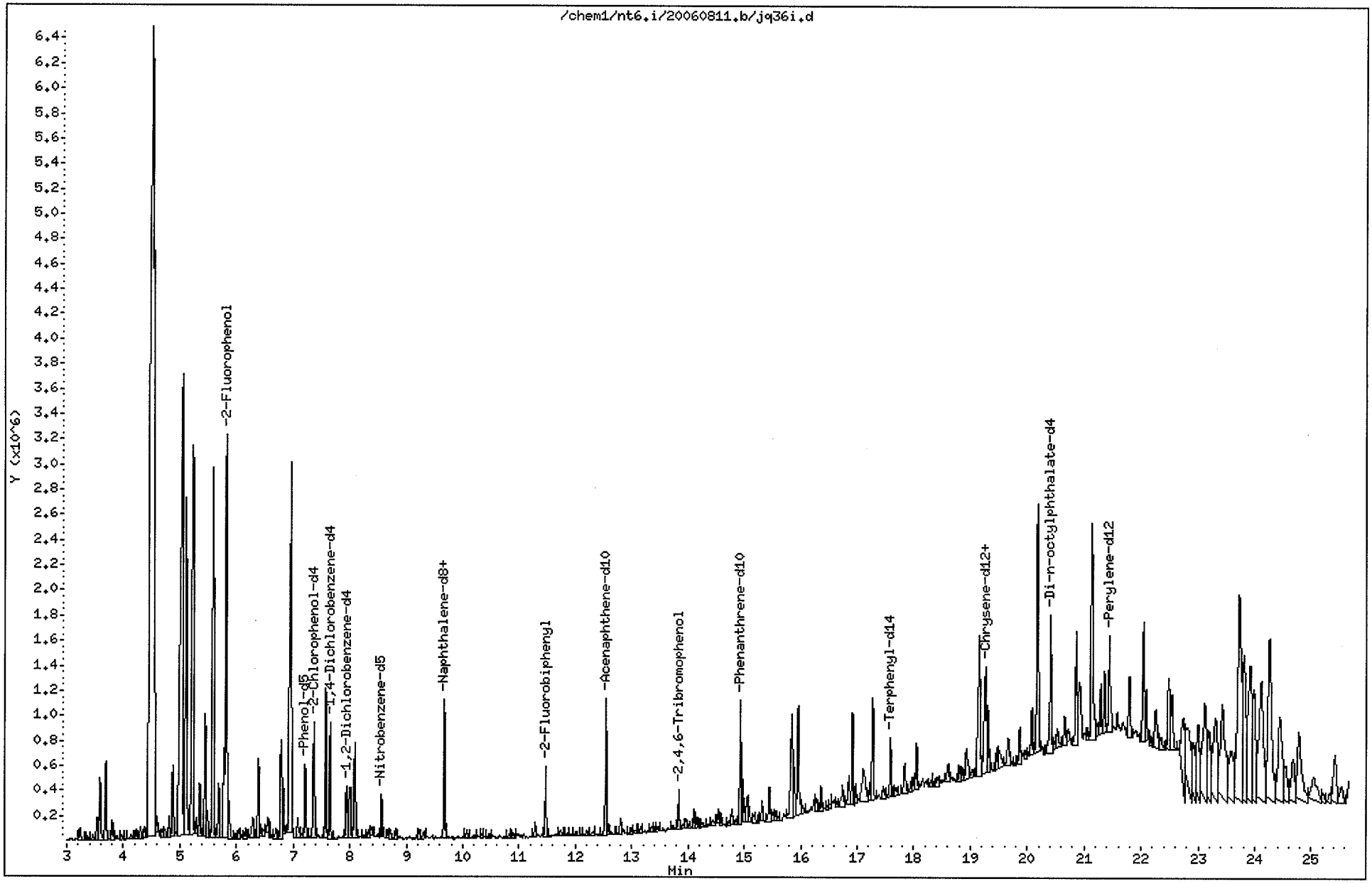
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	746.6	293.3	39.29	22-91
$ 2 Phenol-d5	746.6	311.0	41.66	26-99
$ 5 2-Chlorophenol-d4	746.6	300.8	40.29	29-96
$ 10 1,2-Dichlorobenzen	497.7	190.7	38.31	24-87
$ 18 Nitrobenzene-d5	497.7	192.5	38.68	27-101
$ 36 2-Fluorobiphenyl	497.7	210.3	42.26	30-100
$ 55 2,4,6-Tribromophen	746.6	341.8	45.78	20-114
$ 66 Terphenyl-d14	497.7	203.3	40.85	12-120

Data File: /chem1/nt6.i/20060811.b/jq36i.d
Date : 11-AUG-2006 19:32
Client ID: T4-WB-01
Sample Info: JQ36I
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

0789



Data File: /chem1/nt6.i/20060811.b/jq36i.d

Date : 11-AUG-2006 19:32

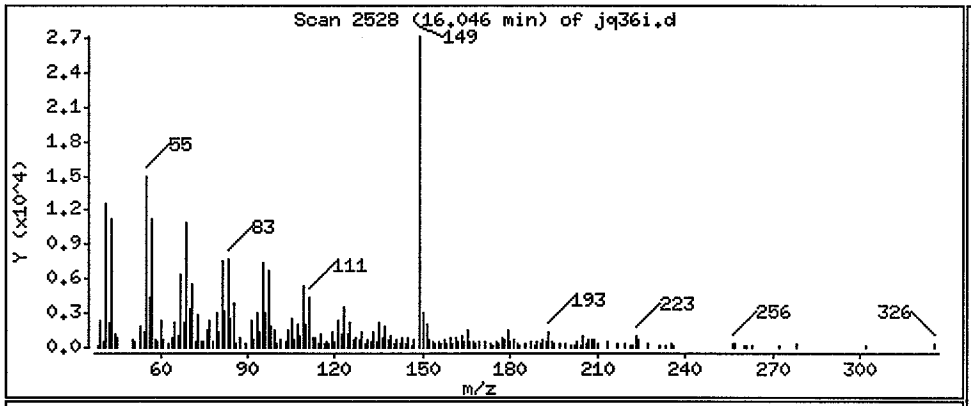
Client ID: T4-WB-01 Instrument: nt6.i

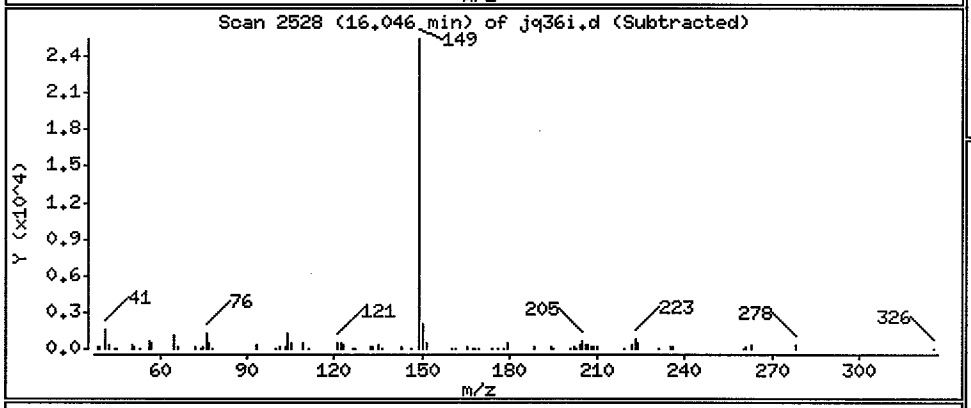
Sample Info: JQ36I

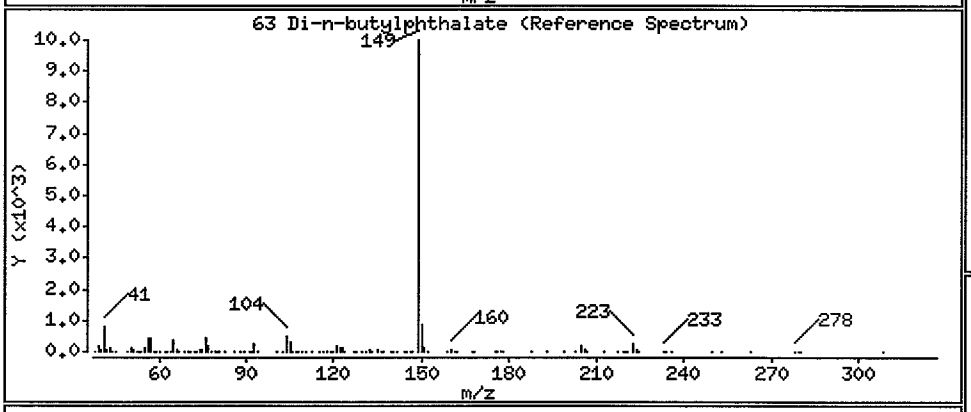
Volume Injected (uL): 1.0 Operator: LJR

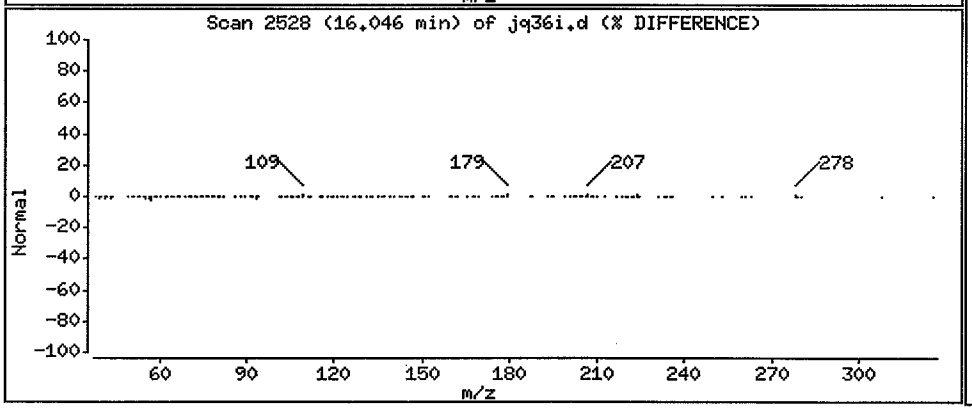
Column phase: ZB-5 Column diameter: 0.32

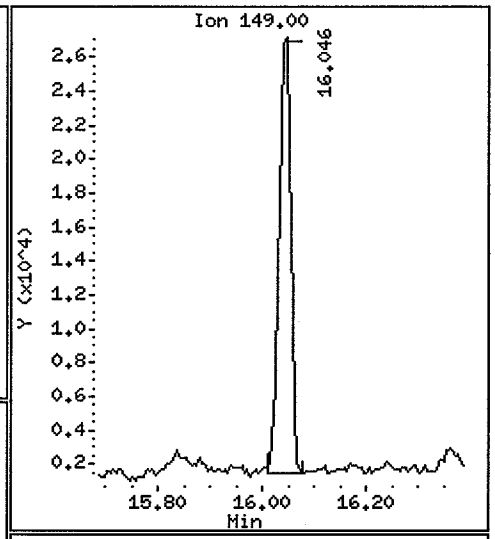
63 Di-n-butylphthalate Concentration: 21.78 ug/kg B

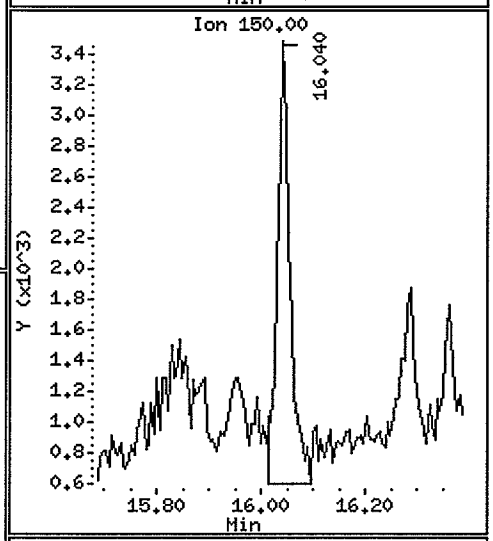


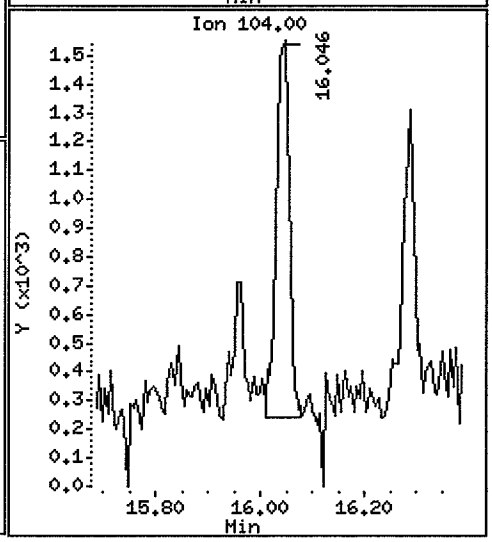












Data File: /chem1/nt6.i/20060811.b/jq36i.d

Date : 11-AUG-2006 19:32

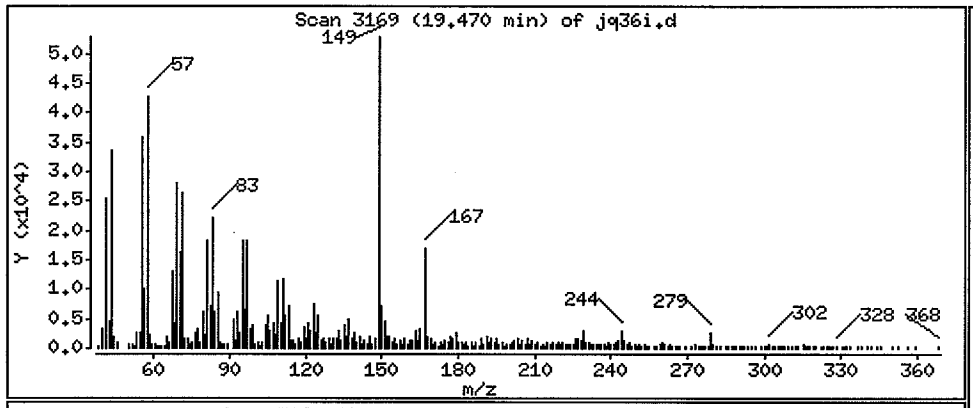
Client ID: T4-WB-01 Instrument: nt6.i

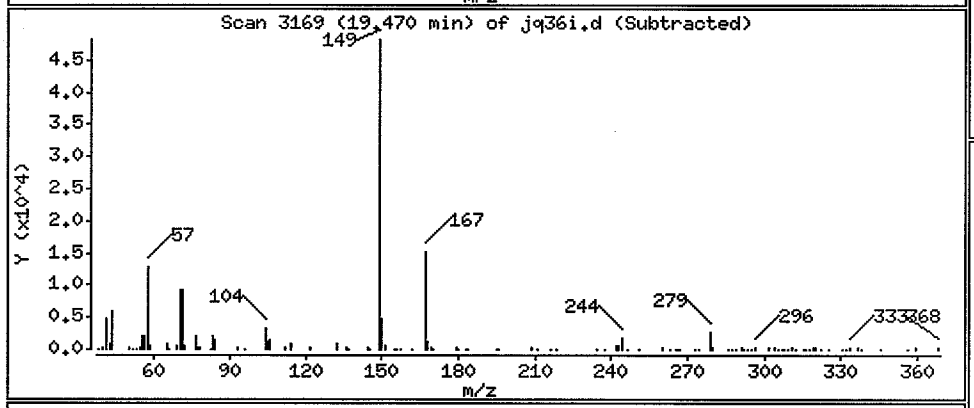
Sample Info: JQ36I

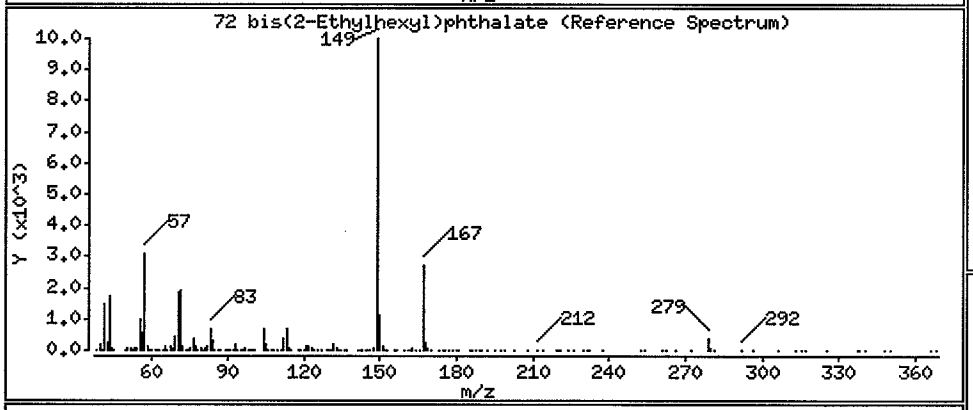
Volume Injected (uL): 1.0 Operator: LJR

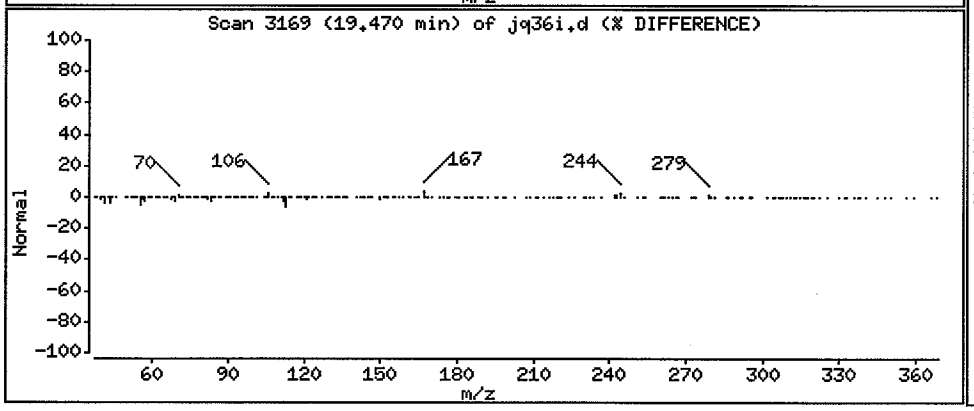
Column phase: ZB-5 Column diameter: 0.32

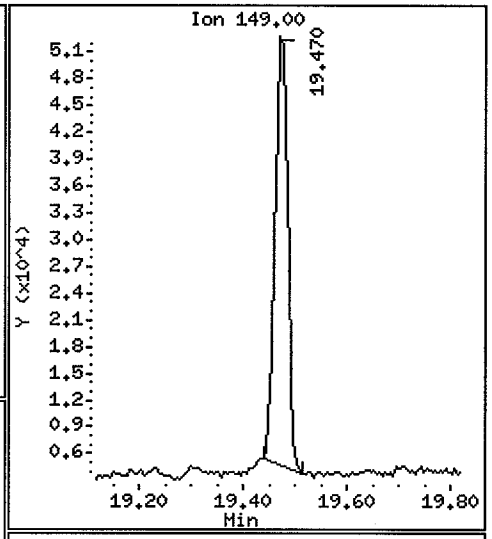
72 bis(2-Ethylhexyl)phthalate Concentration: 64.68 ug/kg

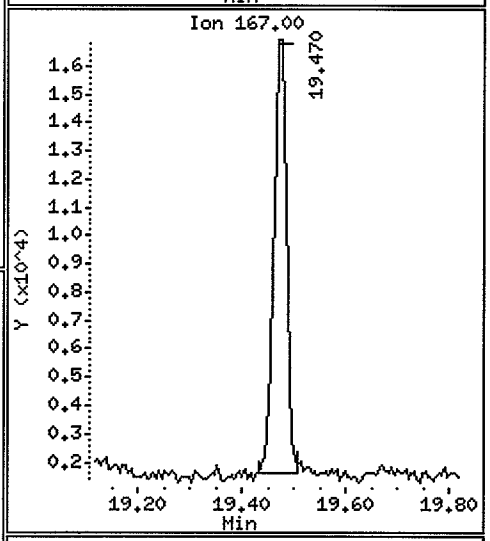


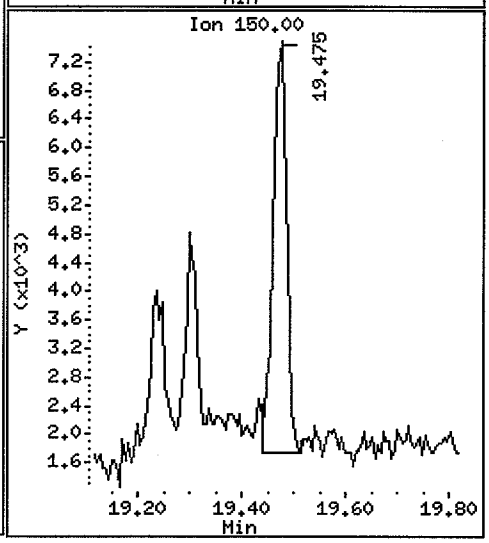




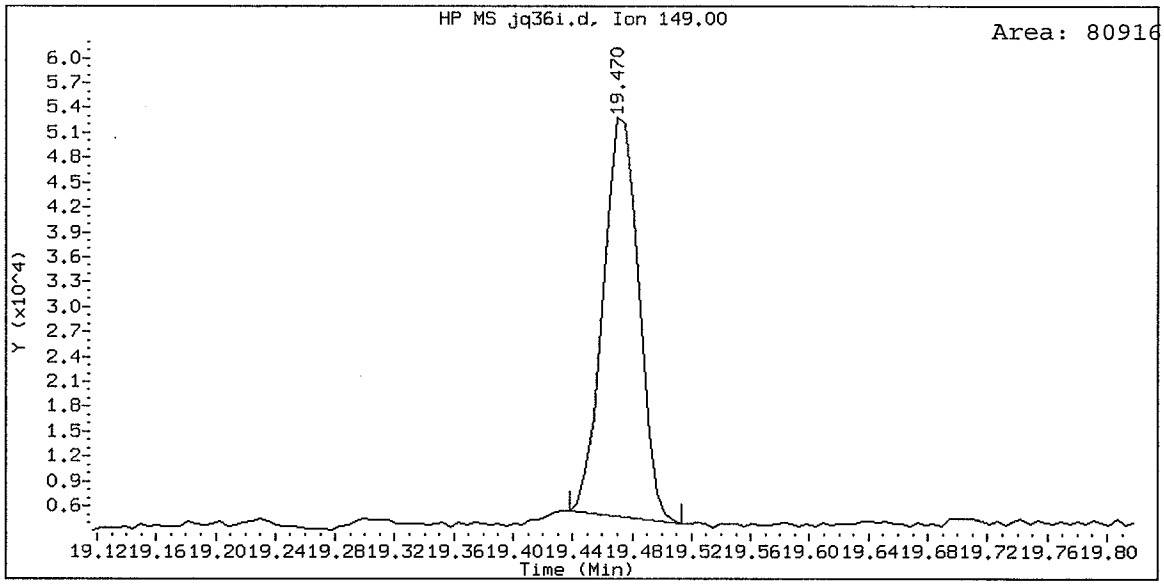


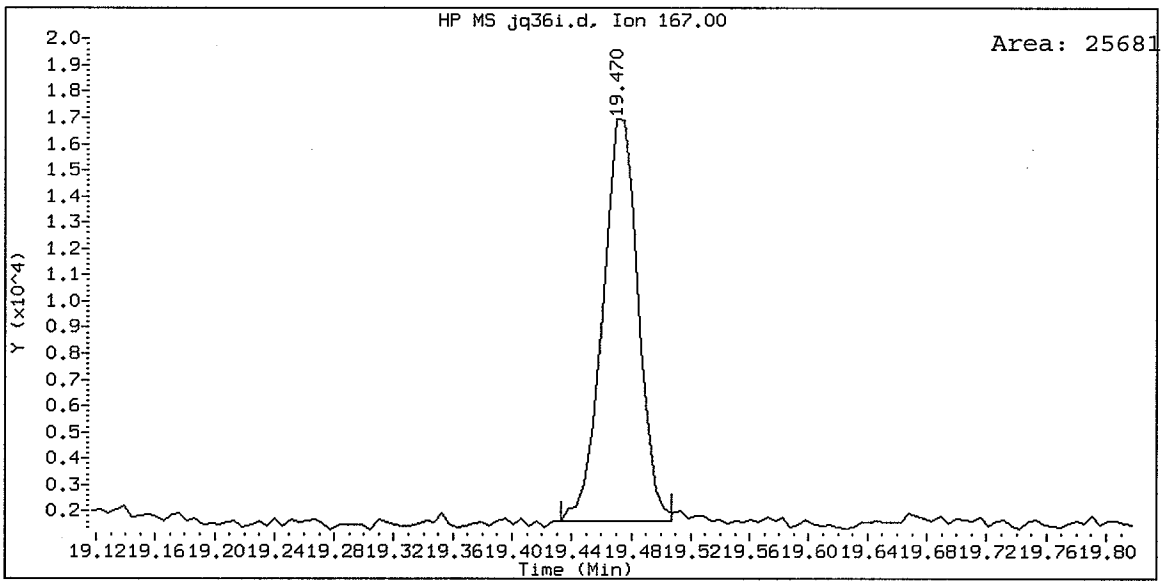


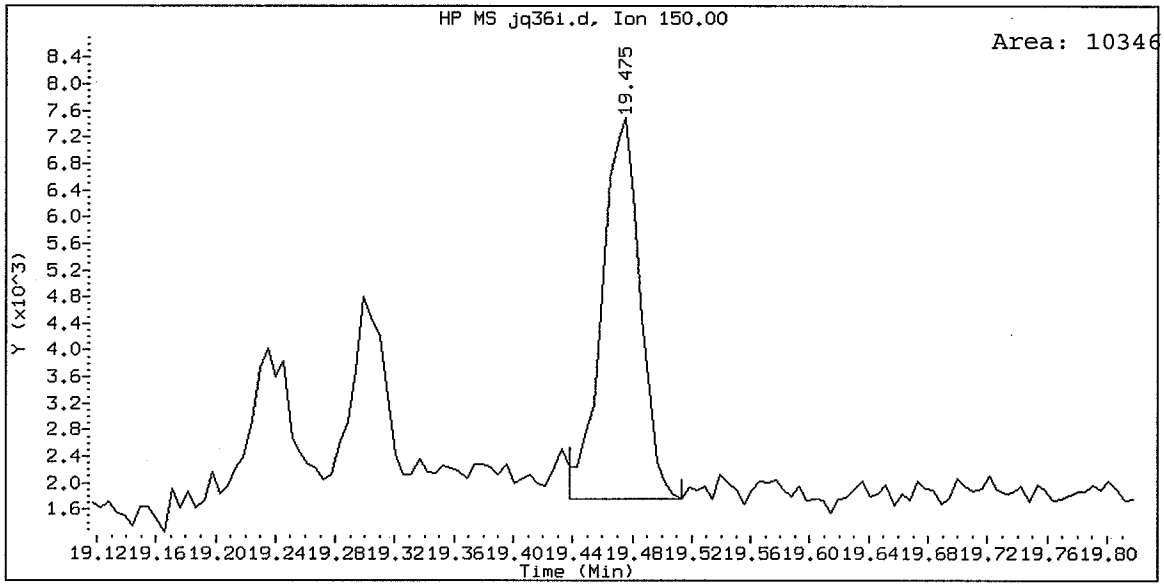




JQ36I, /chem1/nt6.i/20060811.b/jq36i.d
bis(2-Ethylhexyl)phthalate Amount: 3.25







ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-WB-02
SAMPLE

Lab Sample ID: JQ36J
LIMS ID: 06-12981
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 20:06
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 40.8%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**29 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**60**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	59.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36j.d
Lab Smp Id: JQ36J
Client Smp ID: T4-WB-02
Inj Date : 11-AUG-2006 20:06
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36J
Misc Info : 06-12981
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

LJK 8/12/06

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	85.90000	Weight of sample extracted (g)
M	40.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	1 2-Fluorophenol	112	5.799	5.735	(0.758)	287297	18.9559	372.8
$	2 Phenol-d5	99	7.215	7.199	(0.943)	402142	22.8627	449.6
	3 Phenol	94	Compound Not Detected.					
$	5 2-Chlorophenol-d4	132	7.359	7.349	(0.962)	309452	21.6732	426.2
	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	7.653	7.648	(1.000)	195790	20.0000	
	9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	10 1,2-Dichlorobenzene-d4	152	7.947	7.942	(1.038)	114447	13.0747	257.1
	12 1,2-Dichlorobenzene	146	Compound Not Detected.					
	11 Benzyl alcohol	108	Compound Not Detected.					
	14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
	13 2-Methylphenol	108	Compound Not Detected.					
	17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.561	8.561	(0.885)	246402	14.0171	275.6
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.320	9.427	(0.964)	32600	3.26019 LQL	64.11(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.672	9.672	(1.000)	714275	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	11.472	11.473	(0.914)	379441	14.9466	293.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.546	12.546	(1.000)	394209	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	13.839	13.839	(1.103)	68516	24.6427	484.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.929	14.929	(1.000)	561185	20.0000	
	60 Phenanthrene	178	14.966	14.966	(1.002)	124850	3.53275	69.47
	61 Anthracene	178	15.036	15.041	(1.007)	23092	0.68831 LQL	13.54
	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	16.040	16.040	(1.074)	55968	1.45631	28.64
64 Fluoranthene	202	16.911	16.916	(1.133)	296027	8.93906	175.8
65 Pyrene	202	17.269	17.269	(0.896)	290013	7.60744	149.6
$ 66 Terphenyl-d14	244	17.584	17.584	(0.913)	342169	14.7833	290.7
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.240	19.235	(0.999)	100172	3.38211	66.51
* 69 Chrysene-d12	240	19.267	19.262	(1.000)	447953	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.304	19.304	(1.002)	153986	5.16074	101.5
72 bis(2-Ethylhexyl)phthalate	149	19.470	19.470	(0.954)	77881	3.06666	60.30
* 134 Di-n-octylphthalate-d4	153	20.410	20.405	(1.000)	972840	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.901	20.902	(0.975)	156353	5.06858	99.67
75 Benzo(k)fluoranthene	252	20.928	20.934	(0.976)	125517	3.19068	62.74(M)
76 Benzo(a)pyrene	252	21.355	21.350	(0.996)	119808	4.26591	83.89
* 77 Perylene-d12	264	21.436	21.425	(1.000)	495952	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.990	22.980	(1.073)	107853	3.06509	60.27
79 Dibenzo(a,h)anthracene	278	23.006	23.006	(1.073)	19086	0.65451 LDL	12.87(M)
80 Benzo(g,h,i)perylene	276	23.423	23.418	(1.093)	113098	3.47914	68.42
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	7.231	7.204	(0.945)	13077	0.56554 LDL	11.12
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36j.d
Lab Smp Id: JQ36J
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12981

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-WB-02
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	195790	23.51
27 Naphthalene-d8	584278	292139	1168556	714275	22.25
42 Acenaphthene-d10	318444	159222	636888	394209	23.79
59 Phenanthrene-d10	463777	231888	927554	561185	21.00
69 Chrysene-d12	336614	168307	673228	447953	33.08
134 Di-n-octylphthala	762795	381398	1525590	972840	27.54
77 Perylene-d12	420407	210204	840814	495952	17.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.07
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.55	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.27	0.03
134 Di-n-octylphthala	20.40	19.90	20.90	20.41	0.03
77 Perylene-d12	21.43	20.93	21.93	21.44	0.05

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

Analytical Resources, Inc.

RECOVERY REPORT

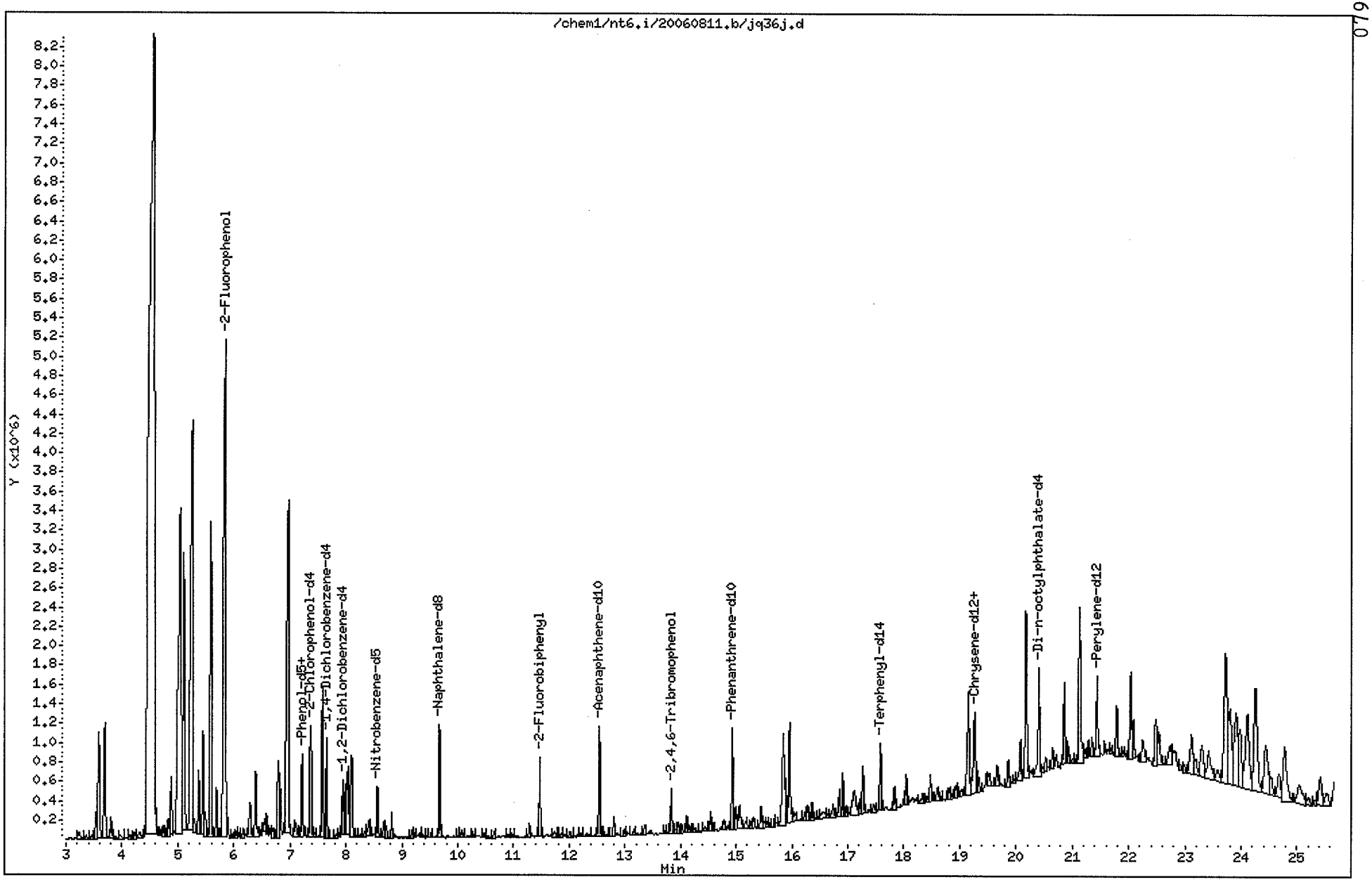
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36J
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12981

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-WB-02
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	737.4	372.8	50.55	22-91
$ 2 Phenol-d5	737.4	449.6	60.97	26-99
$ 5 2-Chlorophenol-d4	737.4	426.2	57.80	29-96
$ 10 1,2-Dichlorobenzen	491.6	257.1	52.30	24-87
$ 18 Nitrobenzene-d5	491.6	275.6	56.07	27-101
$ 36 2-Fluorobiphenyl	491.6	293.9	59.79	30-100
$ 55 2,4,6-Tribromophen	737.4	484.6	65.71	20-114
$ 66 Terphenyl-d14	491.6	290.7	59.13	12-120

Data File: /chem1/nt6.i/20060811.b/jq36j.d
Date : 11-AUG-2006 20:06
Client ID: T4-WB-02
Sample Info: JQ36J
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0799

Data File: /chem1/nt6.i/20060811.b/jq36j.d

Date : 11-AUG-2006 20:06

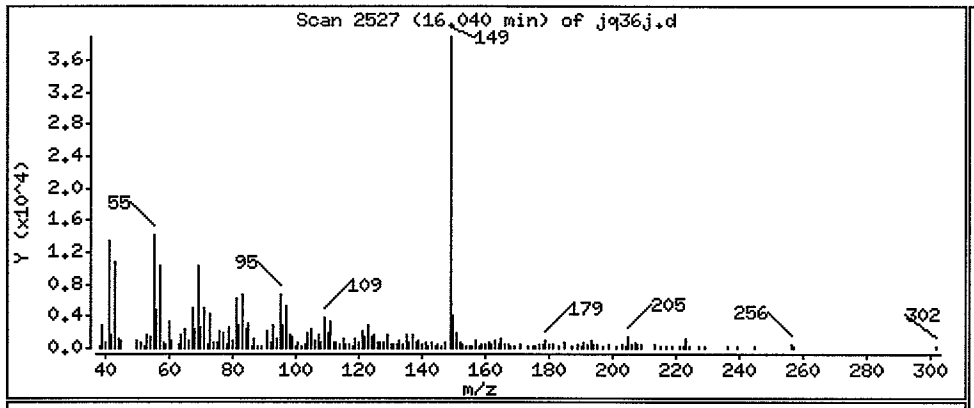
Client ID: T4-WB-02 | Instrument: nt6.i

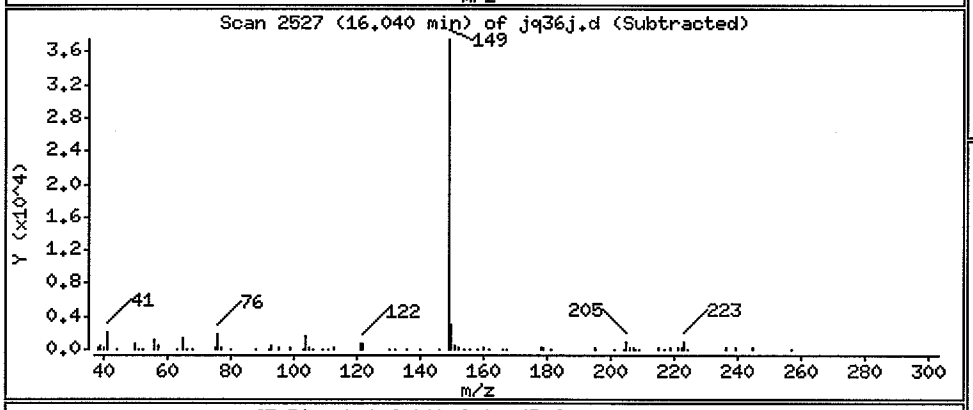
Sample Info: JQ36J

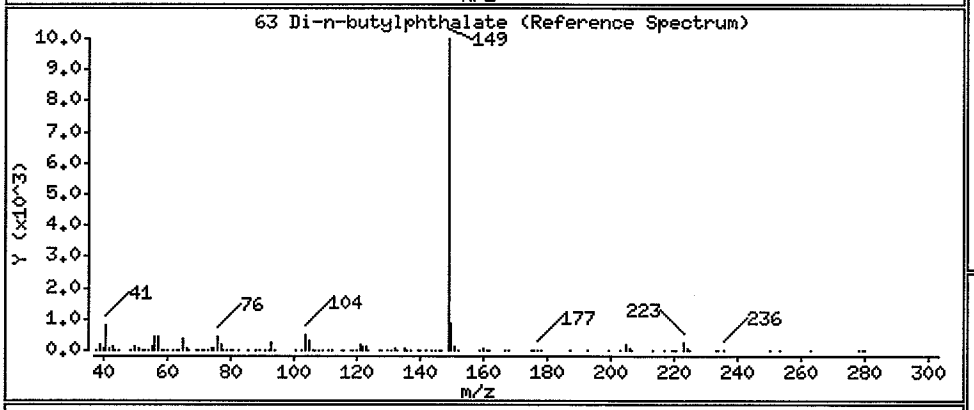
Volume Injected (uL): 1.0 | Operator: LJR

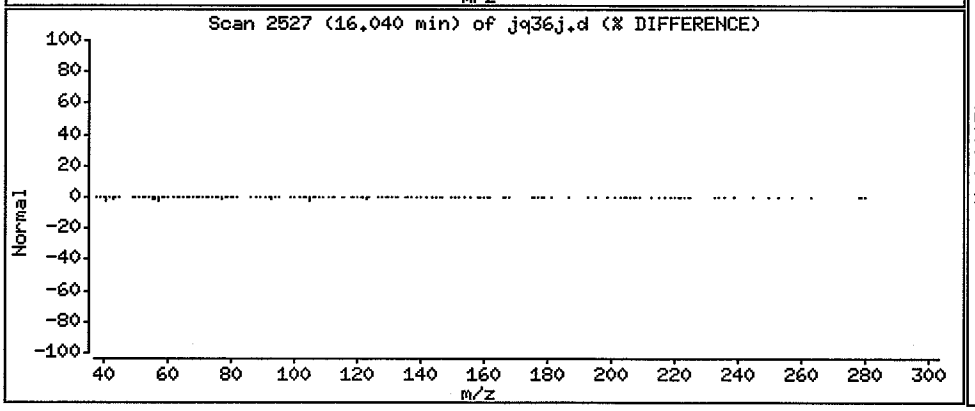
Column phase: ZB-5 | Column diameter: 0.32

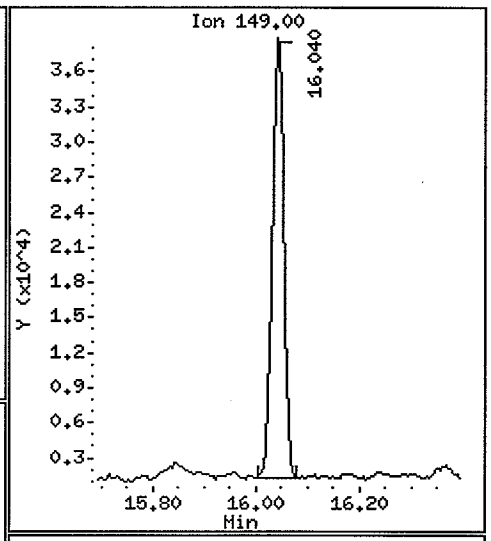
63 Di-n-butylphthalate | Concentration: 28.64 ug/kg

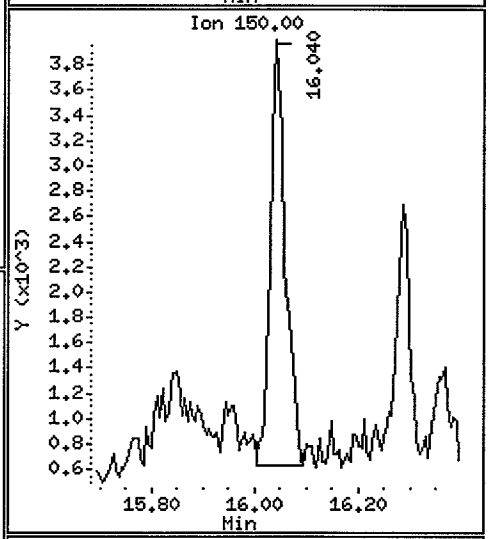


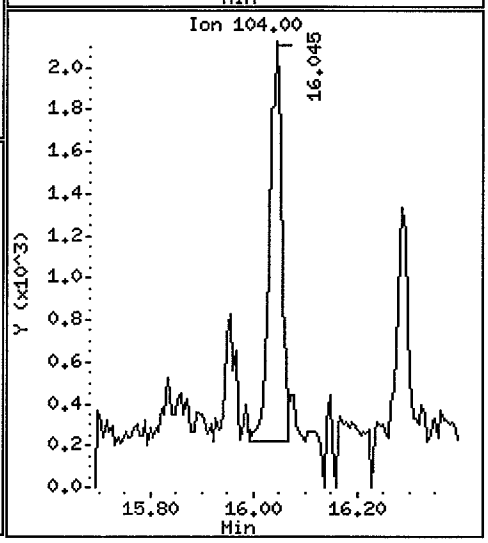












Data File: /chem1/nt6.i/20060811.b/jq36j.d

Date : 11-AUG-2006 20:06

Client ID: T4-WB-02

Instrument: nt6.i

Sample Info: JQ36J

Volume Injected (uL): 1.0

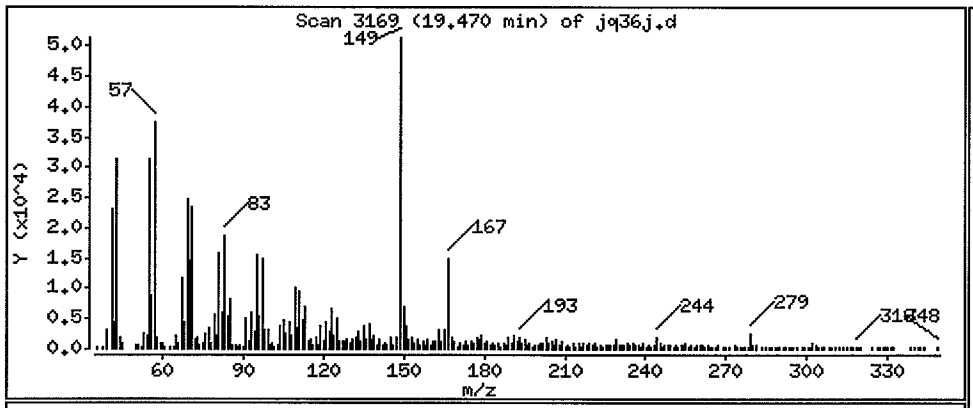
Operator: LJR

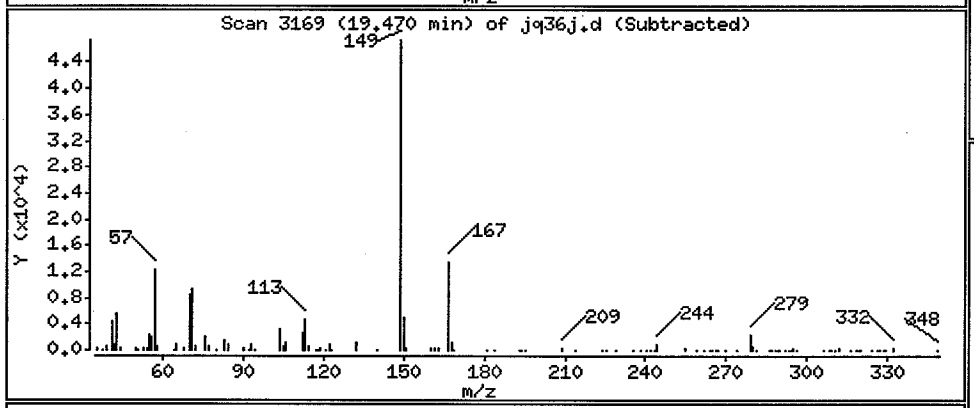
Column phase: ZB-5

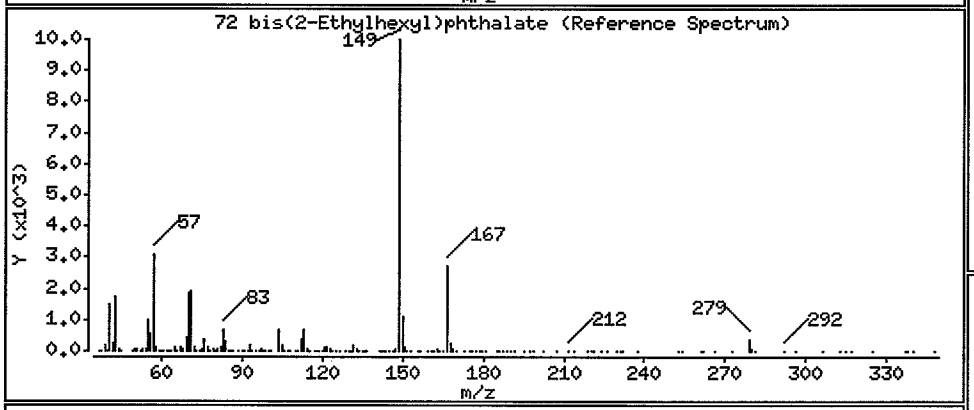
Column diameter: 0.32

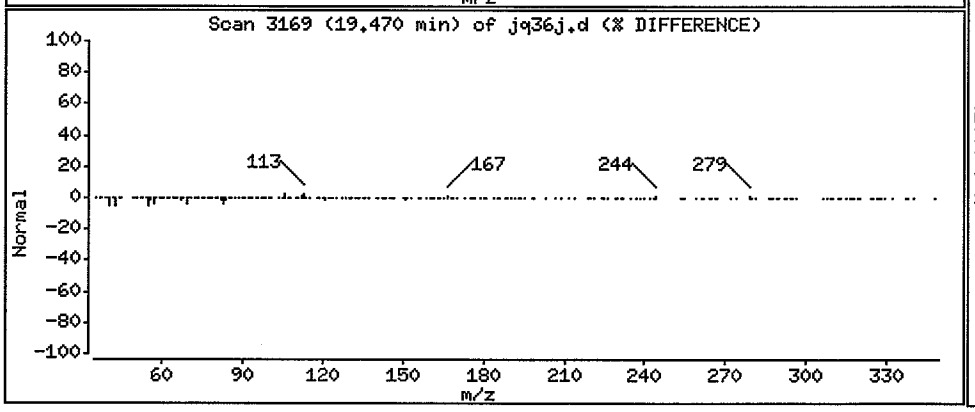
72 bis(2-Ethylhexyl)phthalate

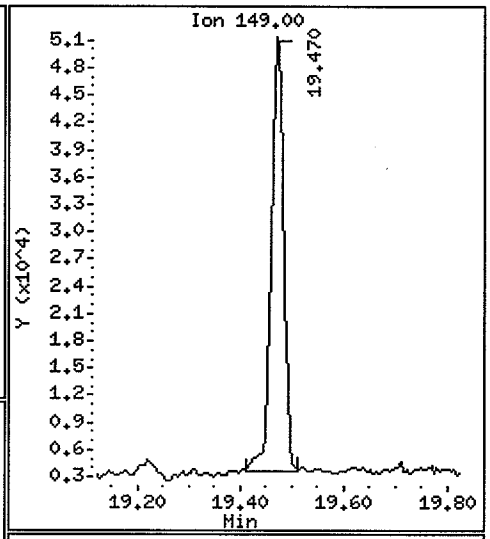
Concentration: 60.30 ug/kg

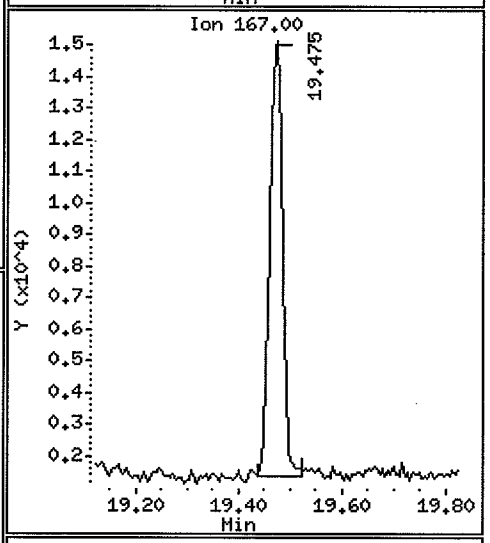


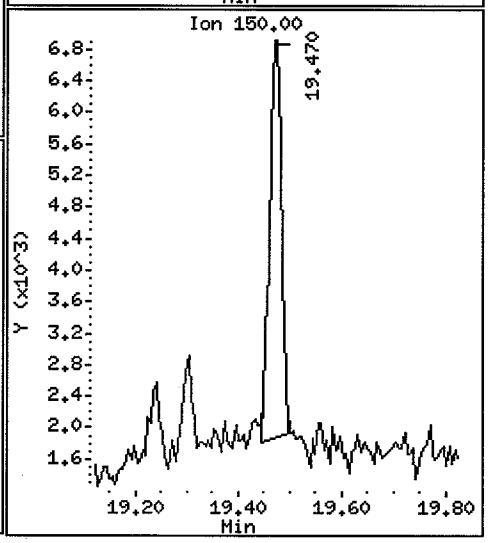












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-WB-03
SAMPLE

Lab Sample ID: JQ36K
LIMS ID: 06-12982
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 12:52
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 55.1%
pH: 6.9

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**	**24 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**90**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	49.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36k2.d
Lab Smp Id: JQ36K Client Smp ID: T4-WB-03
Inj Date : 12-AUG-2006 12:52
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36K
Misc Info : 06-12982
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/15/06

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	113.00000	Weight of sample extracted (g)
M	55.10000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.722	5.700	(0.752)	249064	16.9969	335.0
$ 2 Phenol-d5	99	7.186	7.169	(0.944)	321091	18.8809	372.1
3 Phenol	94	7.202	7.191	(0.946)	10025	0.50256	9.905
$ 5 2-Chlorophenol-d4	132	7.314	7.314	(0.961)	247686	17.9423	353.6
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	7.613	7.607	(1.000)	189297	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.907	7.907	(1.039)	94568	11.1743	220.2
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.527	8.526	(0.885)	193105	11.3477	223.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.291	9.413	(0.964)	36719	3.79329 LOL	74.76(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.633	9.637	(1.000)	691457	20.0000	
	28 Naphthalene	128	9.665	9.669	(1.003)	26084	0.66741 LOL	13.15
	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	11.433	11.438	(0.915)	302062	12.2997	242.4
	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	12.501	12.506	(1.000)	381353	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.549	12.554	(1.004)	22618	1.04101	20.52
	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	13.372	13.377	(1.070)	15413	0.63888 LOL	12.59(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	13.800	13.804	(1.104)	54419	20.2324	398.8
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.889	14.889	(1.000)	544272	20.0000	
	60 Phenanthrene	178	14.921	14.926	(1.002)	178502	5.26291	103.7
	61 Anthracene	178	14.996	15.001	(1.007)	69919	2.14886	42.35
	62 Carbazole	167	15.279	15.284	(1.026)	21475	0.67828 LOL	13.37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.006	16.005	(1.075)	44194	1.18568 B	23.37
64 Fluoranthene	202	16.871	16.876	(1.133)	396985	12.3602	243.6
65 Pyrene	202	17.229	17.229	(0.896)	434868	12.4274	244.9
$ 66 Terphenyl-d14	244	17.544	17.549	(0.912)	260461	12.2596	241.6
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.195	19.200	(0.998)	180138	6.62596	130.6
* 69 Chrysene-d12	240	19.227	19.227	(1.000)	411178	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.265	19.264	(1.002)	243266	8.88208	175.1
72 bis(2-Ethylhexyl)phthalate	149	19.435	19.435	(0.954)	112624	4.57728	90.22
* 134 Di-n-octylphthalate-d4	153	20.376	20.370	(1.000)	942540	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.862	20.861	(0.975)	259240	9.14668	180.3
75 Benzo(k)fluoranthene	252	20.889	20.899	(0.976)	214191	6.24549	123.1(M)
76 Benzo(a)pyrene	252	21.316	21.310	(0.996)	232884	9.02500	177.9
* 77 Perylene-d12	264	21.396	21.390	(1.000)	455678	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.945	22.929	(1.072)	219157	6.77873	133.6
79 Dibenzo(a,h)anthracene	278	22.961	22.955	(1.073)	43233	1.61360	31.80(M)
80 Benzo(g,h,i)perylene	276	23.373	23.356	(1.092)	242115	8.10626	159.8
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36k2.d
Lab Smp Id: JQ36K
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12982

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-WB-03
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	189297	-1.82
27 Naphthalene-d8	717645	358822	1435290	691457	-3.65
42 Acenaphthene-d10	392612	196306	785224	381353	-2.87
59 Phenanthrene-d10	585303	292652	1170606	544272	-7.01
69 Chrysene-d12	417116	208558	834232	411178	-1.42
134 Di-n-octylphthala	917217	458608	1834434	942540	2.76
77 Perylene-d12	463417	231708	926834	455678	-1.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.61	0.08
27 Naphthalene-d8	9.64	9.14	10.14	9.63	-0.05
42 Acenaphthene-d10	12.51	12.01	13.01	12.50	-0.04
59 Phenanthrene-d10	14.89	14.39	15.39	14.89	0.00
69 Chrysene-d12	19.23	18.73	19.73	19.23	0.00
134 Di-n-octylphthala	20.37	19.87	20.87	20.38	0.03
77 Perylene-d12	21.39	20.89	21.89	21.40	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

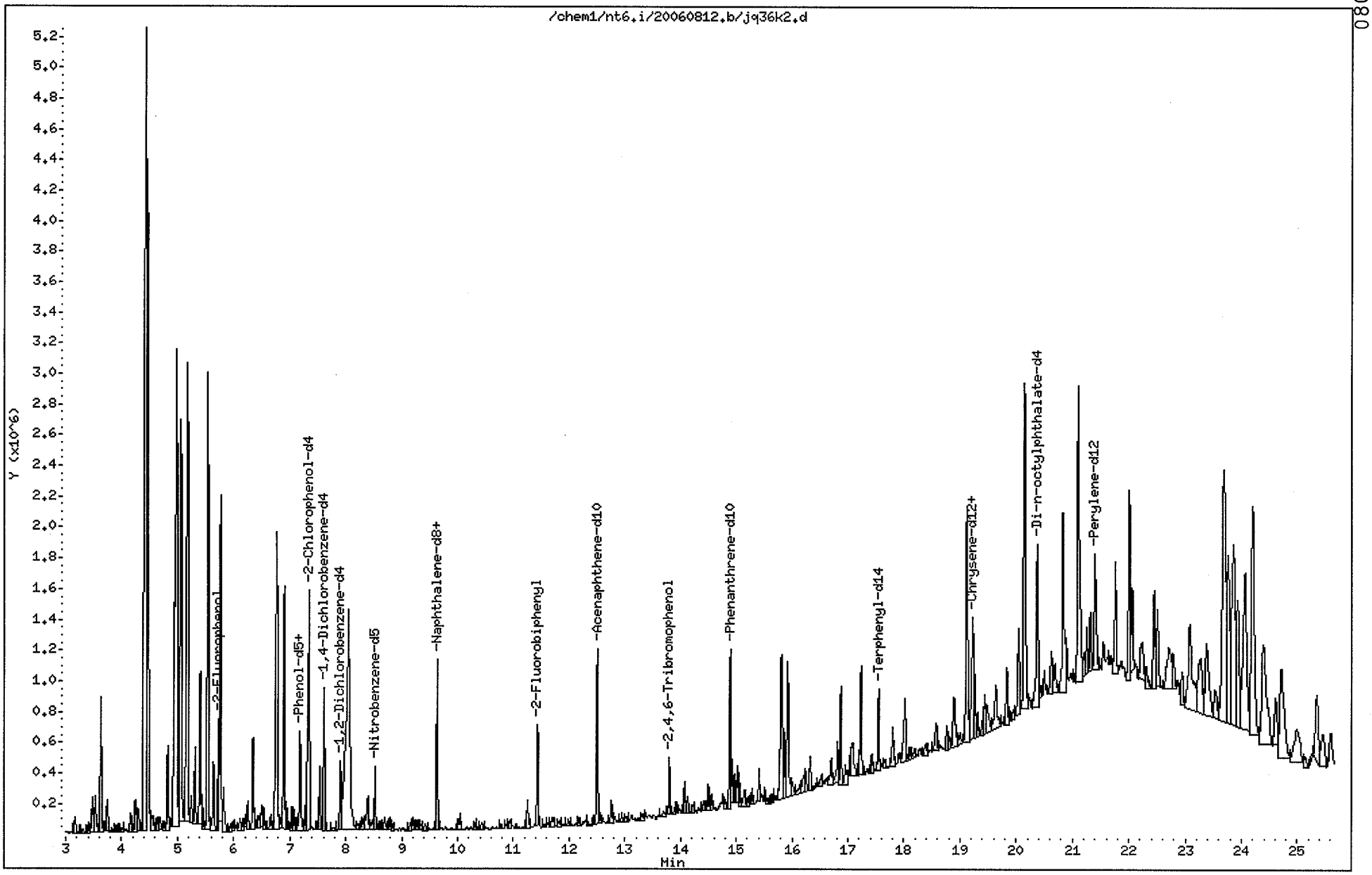
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36K
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12982

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-WB-03
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	739.1	335.0	45.33	22-91
$ 2 Phenol-d5	739.1	372.1	50.35	26-99
$ 5 2-Chlorophenol-d4	739.1	353.6	47.85	29-96
$ 10 1,2-Dichlorobenzen	492.7	220.2	44.70	24-87
$ 18 Nitrobenzene-d5	492.7	223.7	45.39	27-101
$ 36 2-Fluorobiphenyl	492.7	242.4	49.20	30-100
$ 55 2,4,6-Tribromophen	739.1	398.8	53.95	20-114
$ 66 Terphenyl-d14	492.7	241.6	49.04	12-120

Data File: /chem1/nt6.i/20060812.b/jq36k2.d
Date : 12-AUG-2006 12:52
Client ID: T4-WB-03
Sample Info: JQ36K
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0808

Data File: /chem1/nt6.i/20060812.b/jq36k2.d

Date : 12-AUG-2006 12:52

Client ID: T4-WB-03

Instrument: nt6.i

Sample Info: JQ36K

Volume Injected (uL): 1.0

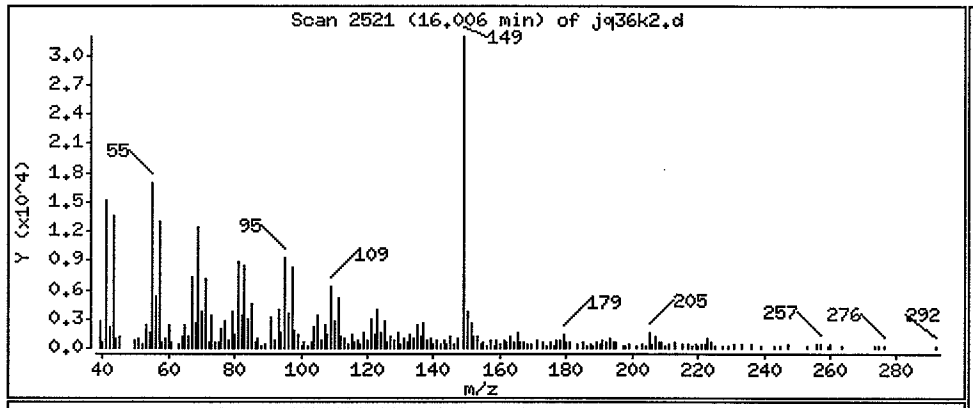
Operator: LJR

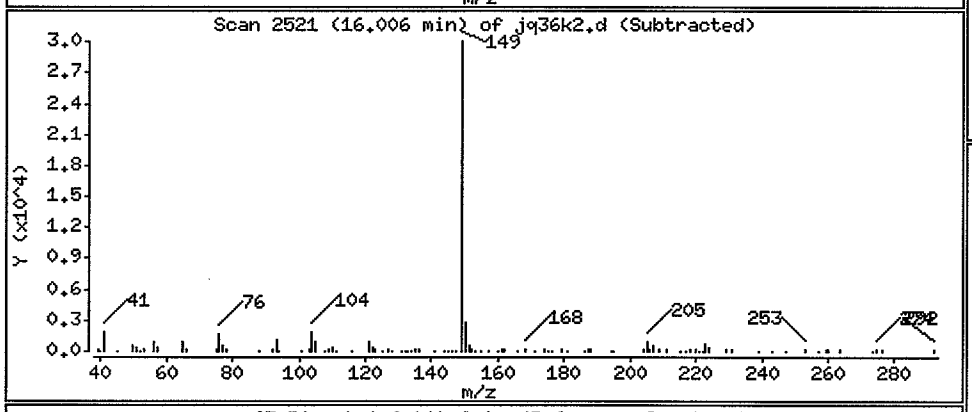
Column phase: ZB-5

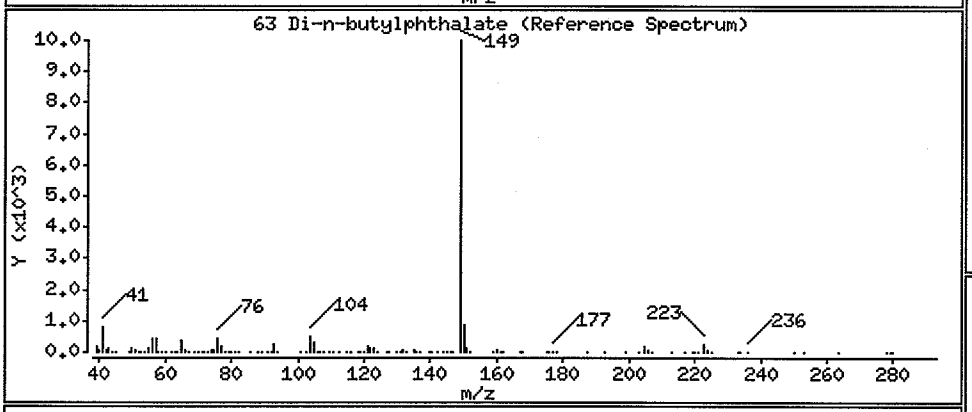
Column diameter: 0.32

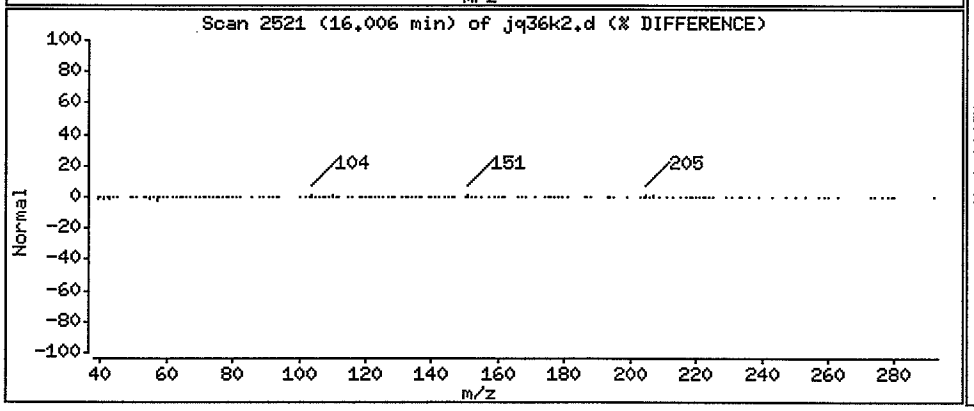
63 Di-n-butylphthalate

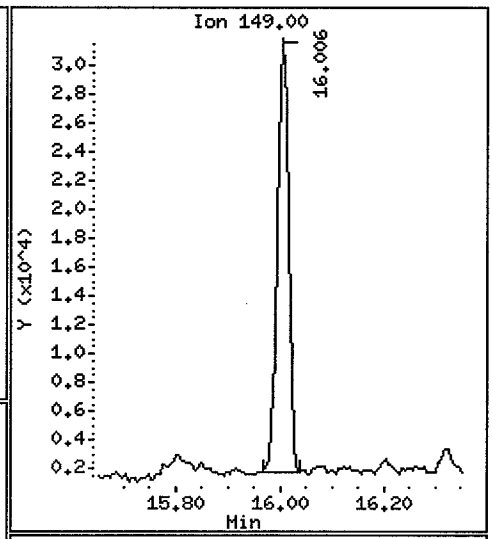
Concentration: 23.37 ug/kg

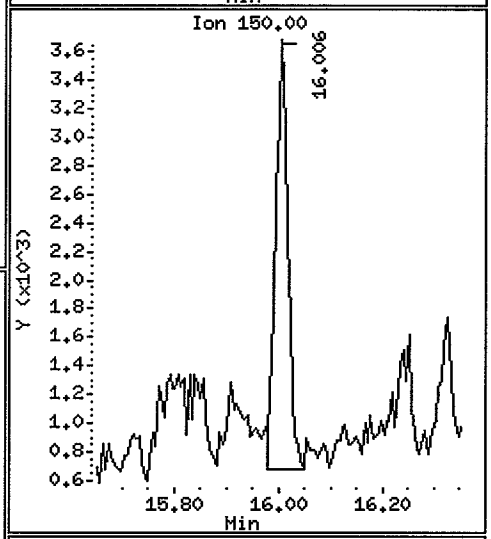


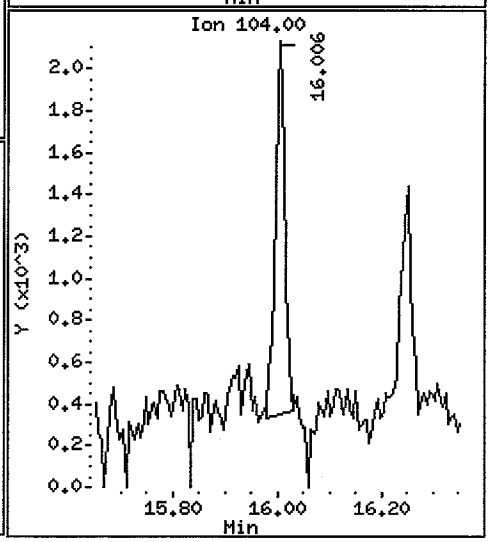












Data File: /chem1/nt6.i/20060812.b/jq36k2.d

Date : 12-AUG-2006 12:52

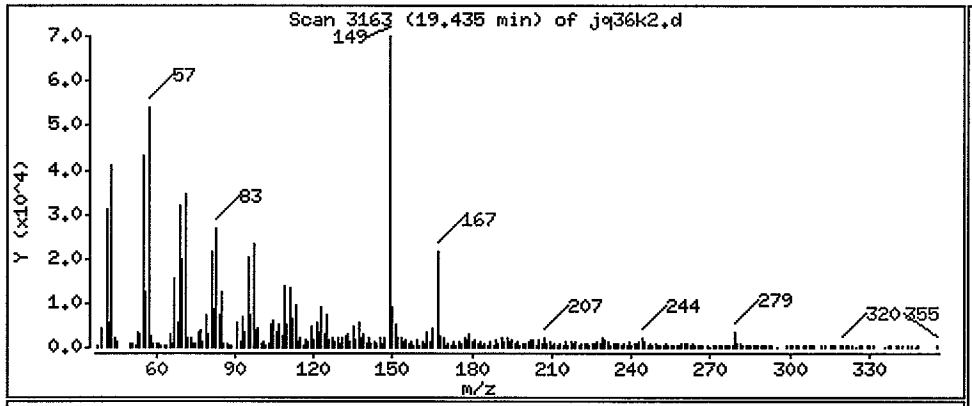
Client ID: T4-WB-03 Instrument: nt6.i

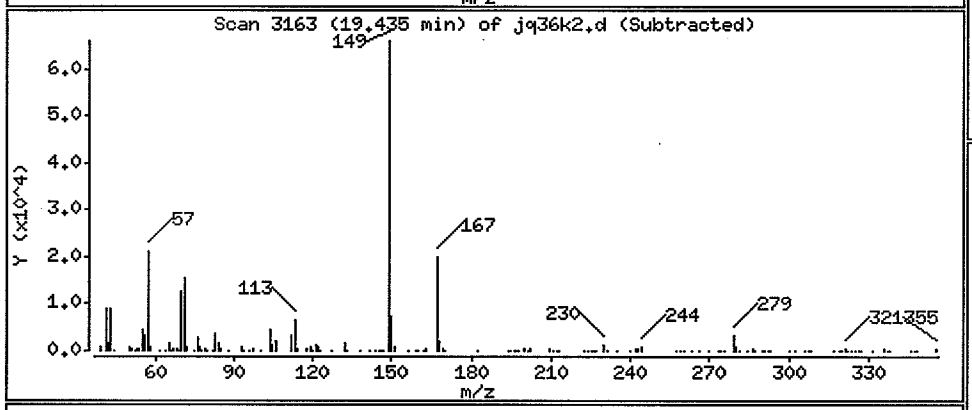
Sample Info: JQ36K

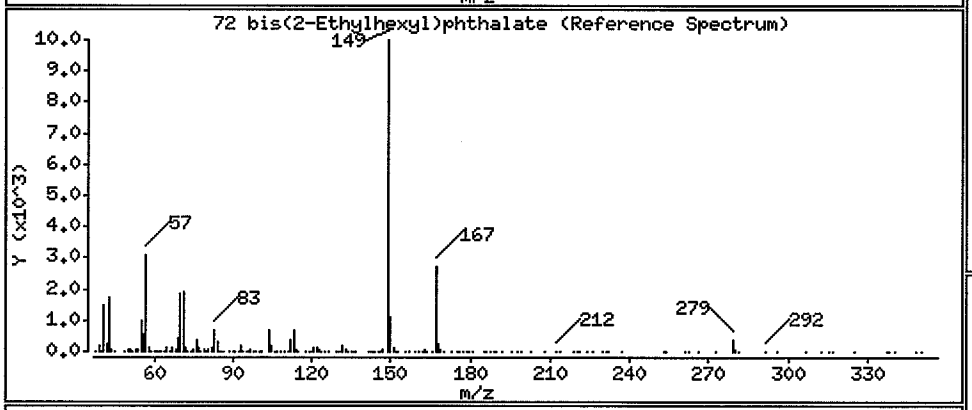
Volume Injected (uL): 1.0 Operator: LJR

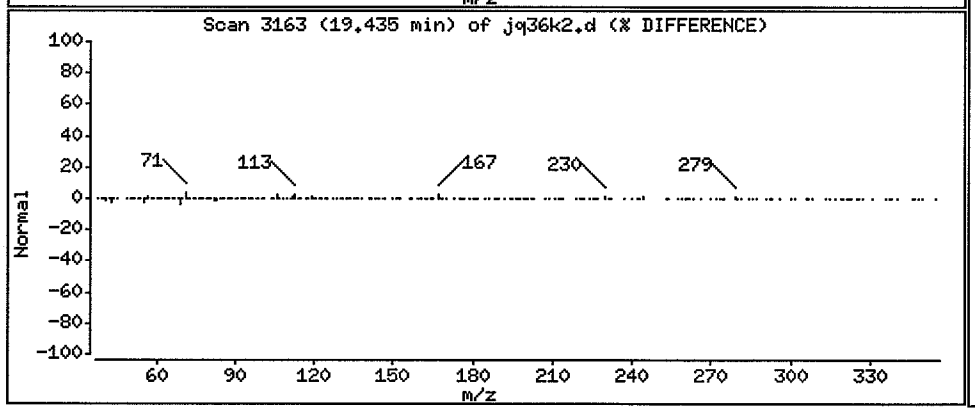
Column phase: ZB-5 Column diameter: 0.32

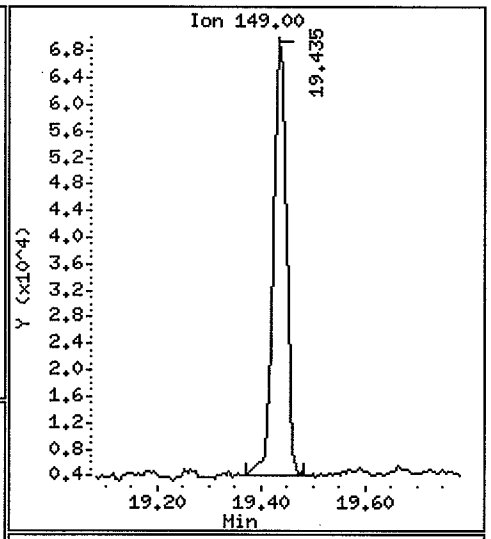
72 bis(2-Ethylhexyl)phthalate Concentration: 90.22 ug/kg

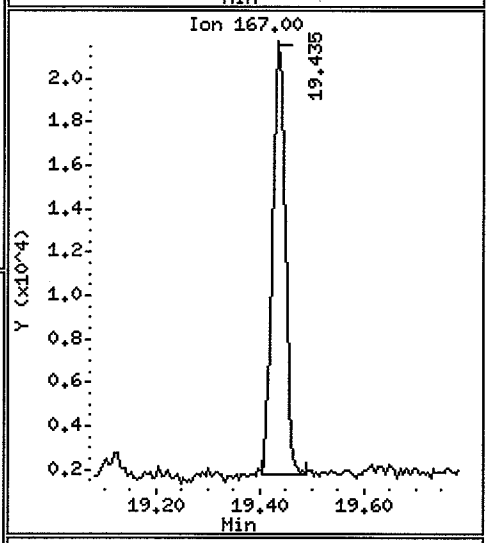


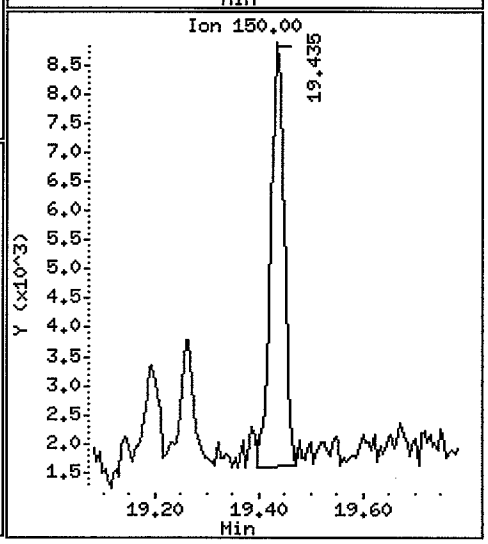












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-WB-04
SAMPLE

Lab Sample ID: JQ36L
LIMS ID: 06-12983
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/12/06 13:25
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 53.4%
pH: 6.5

CAS Number	Analyte	RL	Result
131-11-3	Dimethylphthalate	20	< 20 U
84-66-2	Diethylphthalate	20	< 20 U
84-74-2	**Di-n-Butylphthalate**	**20**	**30 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**79**
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	54.4%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/jq36l2.d
Lab Smp Id: JQ36L Client Smp ID: T4-WB-04
Inj Date : 12-AUG-2006 13:25
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36L
Misc Info : 06-12983
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/13/06

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	109.00000	Weight of sample extracted (g)
M	53.40000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.730	5.700	(0.752)	276419	17.8637	351.7
$ 2 Phenol-d5	99	7.188	7.169	(0.944)	354579	19.7448	388.7
3 Phenol	94	7.210	7.191	(0.947)	11523	0.54703 LDL	10.77
$ 5 2-Chlorophenol-d4	132	7.317	7.314	(0.961)	272844	18.7170	368.5
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	7.343	7.335	(0.964)	7565	0.54489 LDL	10.73
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	7.616	7.607	(1.000)	199894	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.904	7.907	(1.038)	108446	12.1348	238.9
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.524	8.526	(0.885)	216695	12.0715	237.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.293	9.413	(0.964)	43766	4.28610 LDL	84.38(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.635	9.637	(1.000)	729399	20.0000	
	28 Naphthalene	128	9.667	9.669	(1.003)	28647	0.69499 LDL	13.68
	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	11.435	11.438	(0.915)	341150	13.1239	258.4
	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	12.504	12.506	(1.000)	403650	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.552	12.554	(1.004)	30962	1.34623	26.51
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	12.814	12.816	(1.025)	19168	0.62578 LDL	12.32
	47 4-Nitrophenol	109	Compound Not Detected.					
	48 2,4-Dinitrotoluene	165	Compound Not Detected.					
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.375	13.377	(1.070)	25947	1.01607	20.00(M)
	51 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
	52 4-Nitroaniline	138	Compound Not Detected.					
	53 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
	54 N-Nitrosodiphenylamine	169	Compound Not Detected.					
$	55 2,4,6-Tribromophenol	330	13.797	13.804	(1.103)	64741	22.7404	447.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.892	14.889	(1.000)	579141	20.0000	
	60 Phenanthrene	178	14.924	14.926	(1.002)	175372	4.84719	95.43
	61 Anthracene	178	14.999	15.001	(1.007)	60125	1.73660	34.19
	62 Carbazole	167	15.282	15.284	(1.026)	23529	0.69847 LDL	13.75

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.008	16.005	(1.075)	61014	1.53838	30.29
64 Fluoranthene	202	16.874	16.876	(1.133)	363316	10.6308	209.3
65 Pyrene	202	17.232	17.229	(0.896)	391395	10.9659	215.9
$ 66 Terphenyl-d14	244	17.547	17.549	(0.913)	294078	13.5707	267.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.198	19.200	(0.999)	154871	5.58495	110.0
* 69 Chrysene-d12	240	19.224	19.227	(1.000)	419396	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.262	19.264	(1.002)	203699	7.29168	143.6
72 bis(2-Ethylhexyl)phthalate	149	19.438	19.435	(0.954)	99560	4.02371	79.22(M)
* 134 Di-n-octylphthalate-d4	153	20.373	20.370	(1.000)	947839	20.0000	
73 Di-n-octylphthalate	149	Compound Not Detected.					
74 Benzo(b)fluoranthene	252	20.864	20.861	(0.975)	226566	7.89353	155.4
75 Benzo(k)fluoranthene	252	20.886	20.899	(0.976)	167013	4.68614	92.26(M)
76 Benzo(a)pyrene	252	21.318	21.310	(0.996)	192037	7.34864	144.7
* 77 Perylene-d12	264	21.399	21.390	(1.000)	461470	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.942	22.929	(1.072)	178945	5.46547	107.6
79 Dibenzo(a,h)anthracene	278	22.958	22.955	(1.073)	35331	1.30212	25.64(M)
80 Benzo(g,h,i)perylene	276	23.370	23.356	(1.092)	198677	6.56842	129.3
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36l2.d
Lab Smp Id: JQ36L
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12983

Calibration Date: 12-AUG-2006
Calibration Time: 10:39
Client Smp ID: T4-WB-04
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	199894	3.67
27 Naphthalene-d8	717645	358822	1435290	729399	1.64
42 Acenaphthene-d10	392612	196306	785224	403650	2.81
59 Phenanthrene-d10	585303	292652	1170606	579141	-1.05
69 Chrysene-d12	417116	208558	834232	419396	0.55
134 Di-n-octylphthala	917217	458608	1834434	947839	3.34
77 Perylene-d12	463417	231708	926834	461470	-0.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.62	0.11
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.02
42 Acenaphthene-d10	12.51	12.01	13.01	12.50	-0.02
59 Phenanthrene-d10	14.89	14.39	15.39	14.89	0.02
69 Chrysene-d12	19.23	18.73	19.73	19.22	-0.01
134 Di-n-octylphthala	20.37	19.87	20.87	20.37	0.02
77 Perylene-d12	21.39	20.89	21.89	21.40	0.04

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36L
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info: 06-12983

Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-WB-04
Operator: LJR
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	738.3	351.7	47.64	22-91
$ 2 Phenol-d5	738.3	388.7	52.65	26-99
$ 5 2-Chlorophenol-d4	738.3	368.5	49.91	29-96
$ 10 1,2-Dichlorobenzen	492.2	238.9	48.54	24-87
$ 18 Nitrobenzene-d5	492.2	237.7	48.29	27-101
$ 36 2-Fluorobiphenyl	492.2	258.4	52.50	30-100
$ 55 2,4,6-Tribromophen	738.3	447.7	60.64	20-114
$ 66 Terphenyl-d14	492.2	267.2	54.28	12-120

Data File: /chem1/nt6.i/20060812.b/jq3612.d

Date : 12-AUG-2006 13:25

Client ID: T4-WB-04

Sample Info: JQ36L

Volume Injected (uL): 1.0

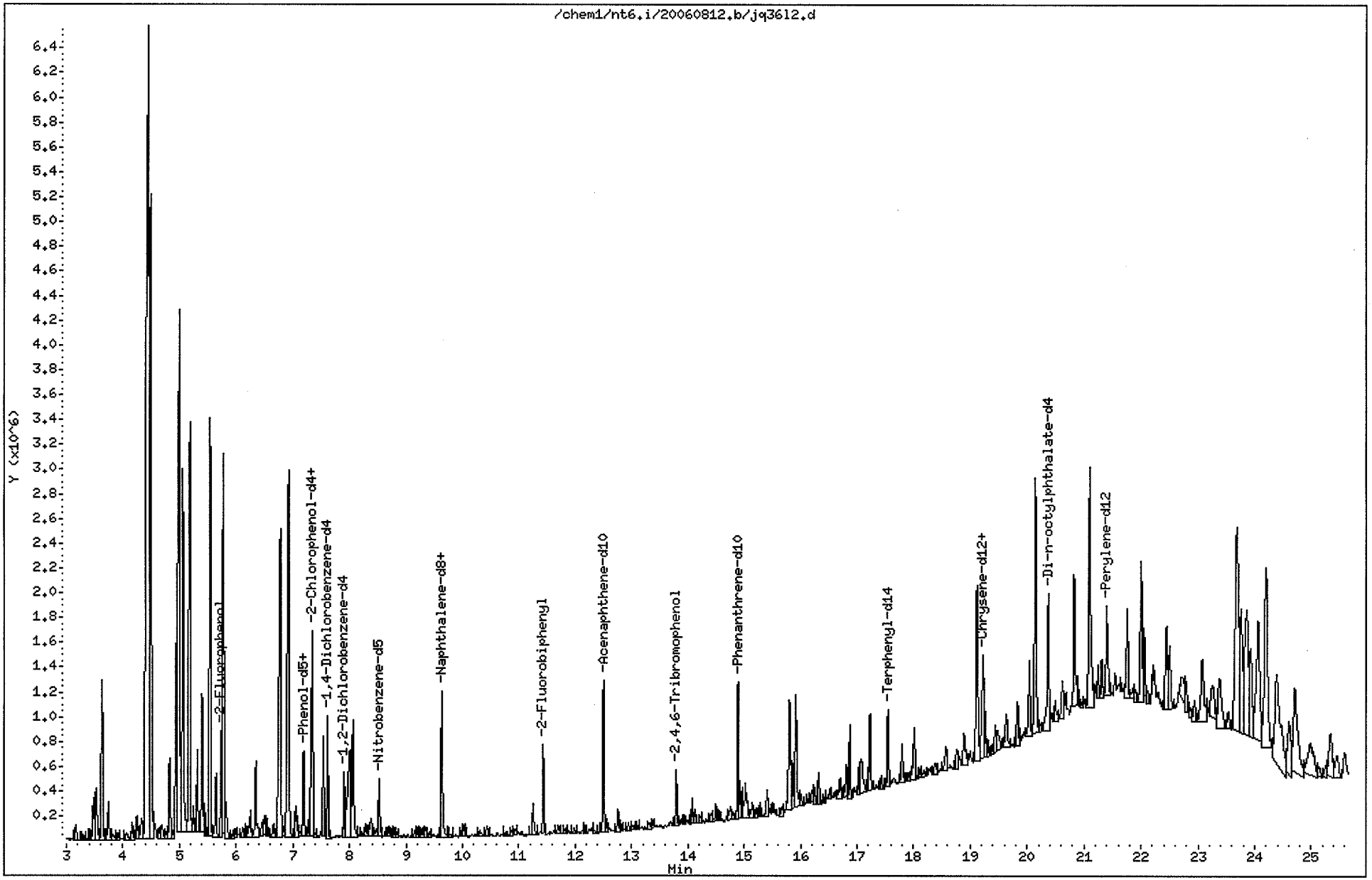
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR

Column diameter: 0.32

0817



Data File: /chem1/nt6.i/20060812.b/jq3612.d

Date : 12-AUG-2006 13:25

Client ID: T4-WB-04

Instrument: nt6.i

Sample Info: JQ36L

Volume Injected (uL): 1.0

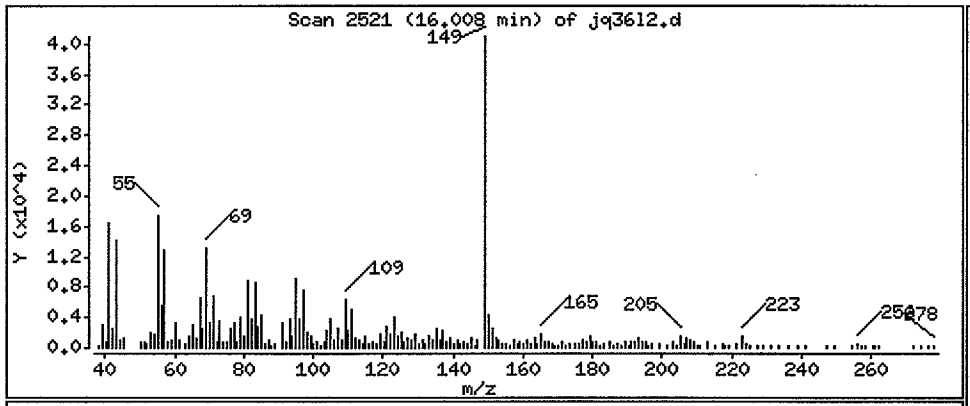
Operator: LJR

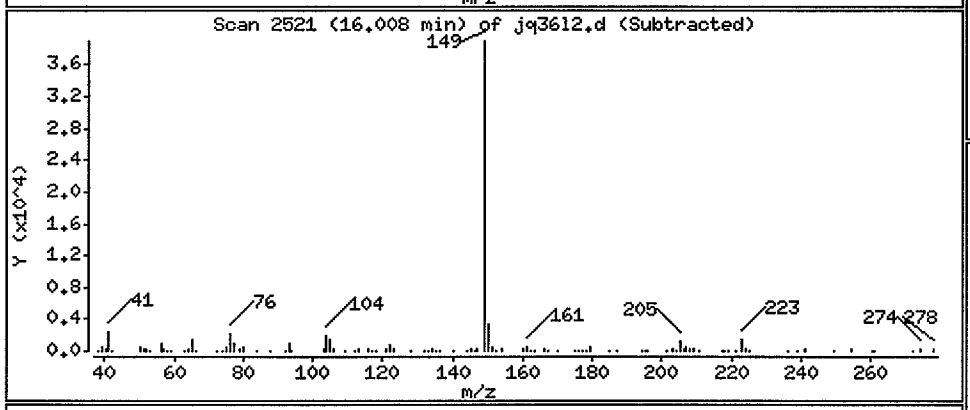
Column phase: ZB-5

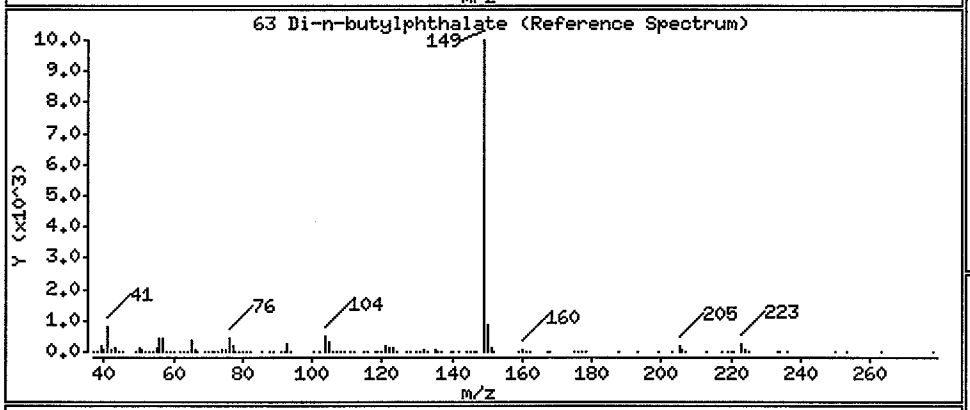
Column diameter: 0.32

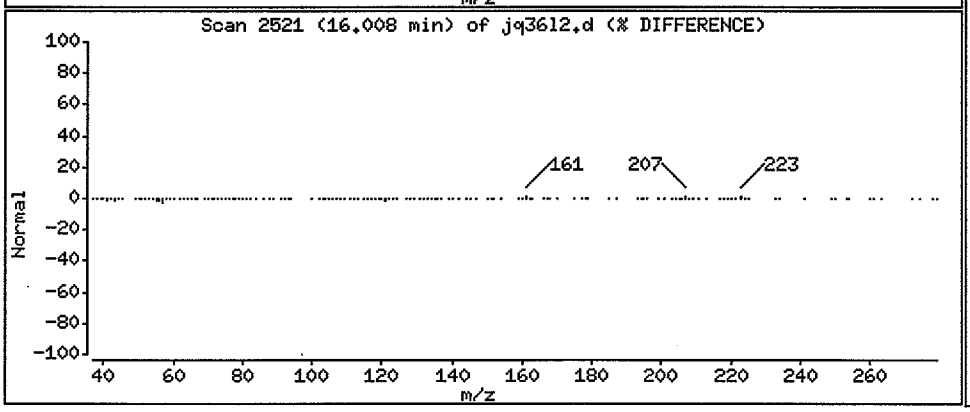
63 Di-n-butylphthalate

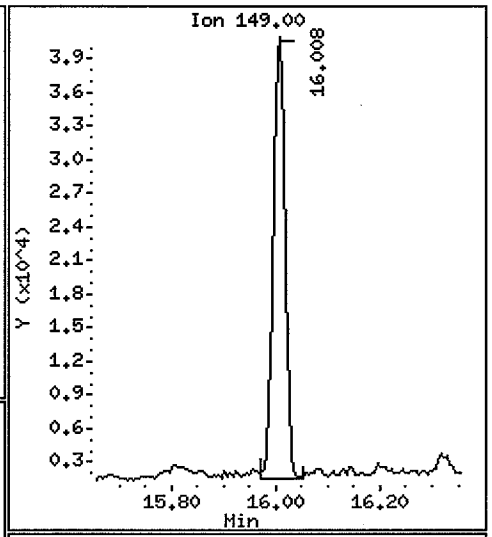
Concentration: 30.29 ug/kg

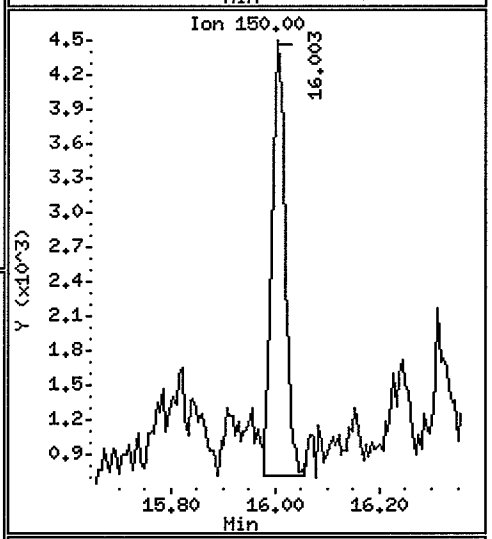


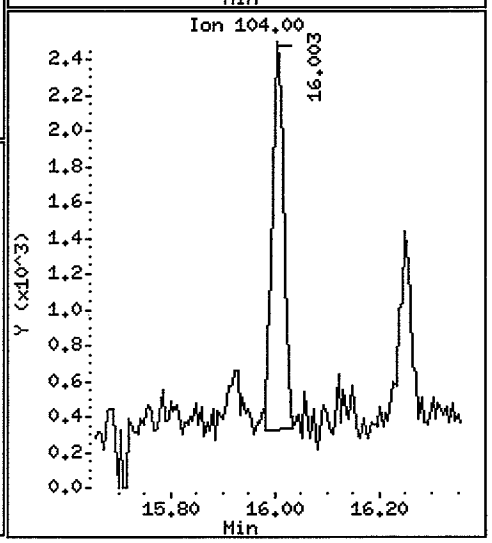












Data File: /chem1/nt6.i/20060812.b/jq3612.d

Date : 12-AUG-2006 13:25

Client ID: T4-WB-04

Instrument: nt6.i

Sample Info: JQ36L

Volume Injected (uL): 1.0

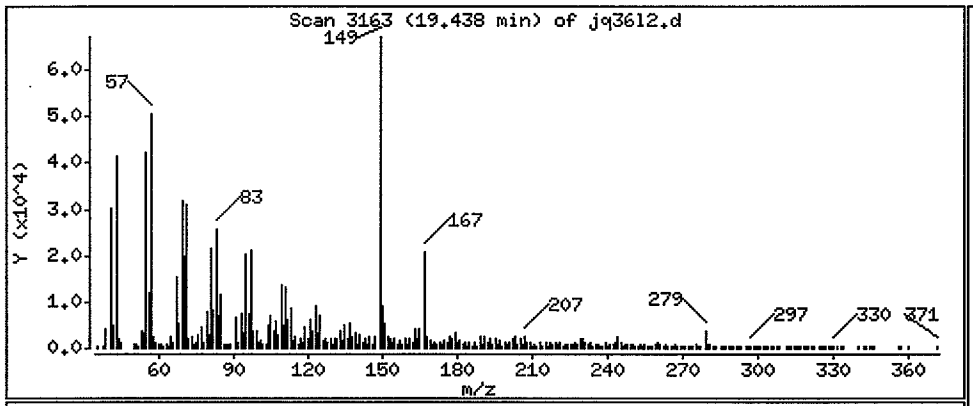
Operator: LJR

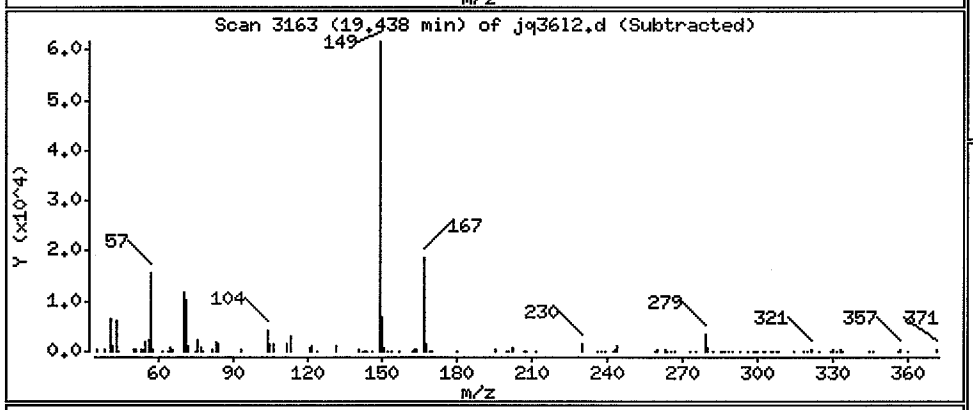
Column phase: ZB-5

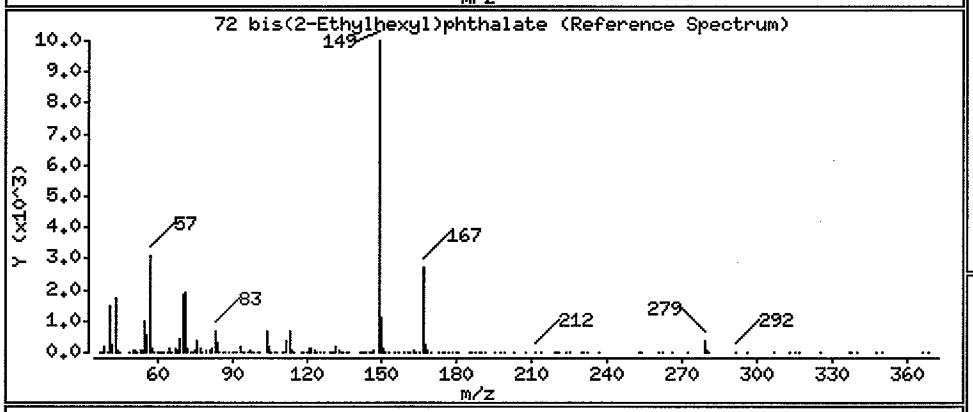
Column diameter: 0.32

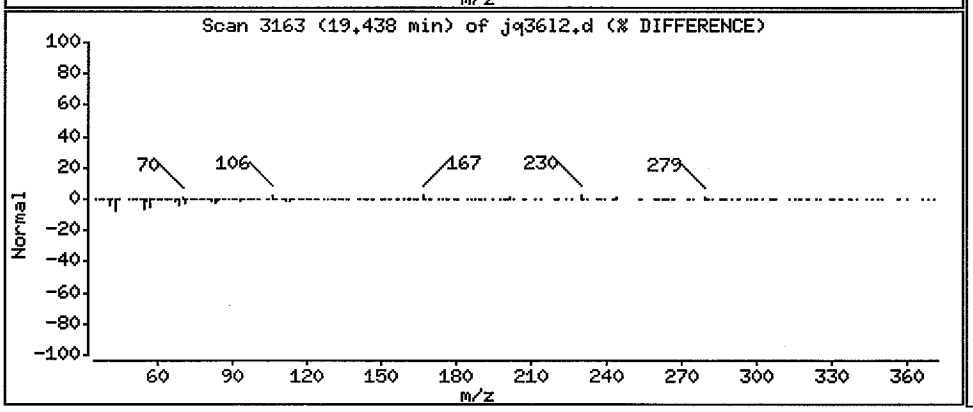
72 bis(2-Ethylhexyl)phthalate

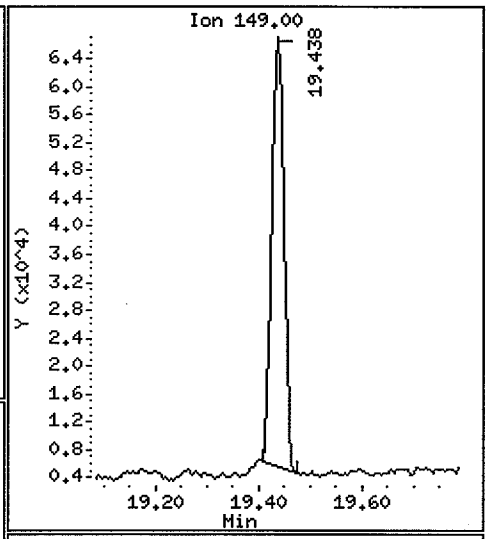
Concentration: 79.22 ug/kg

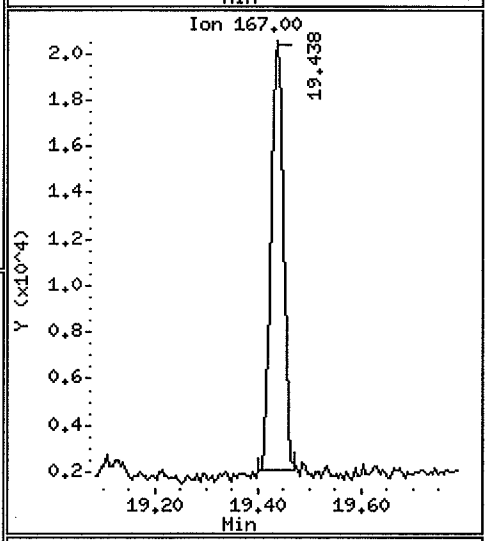


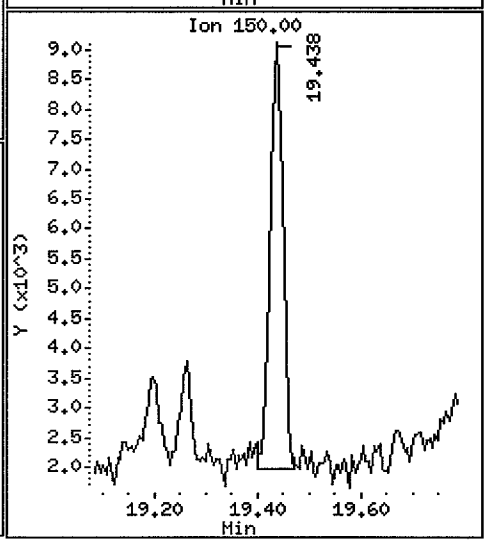




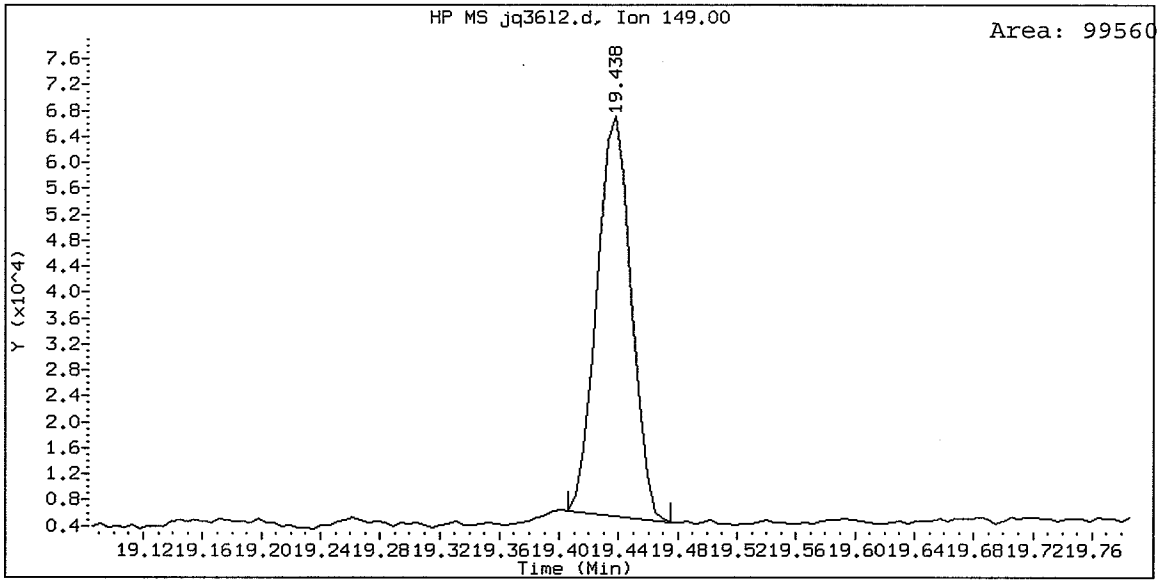


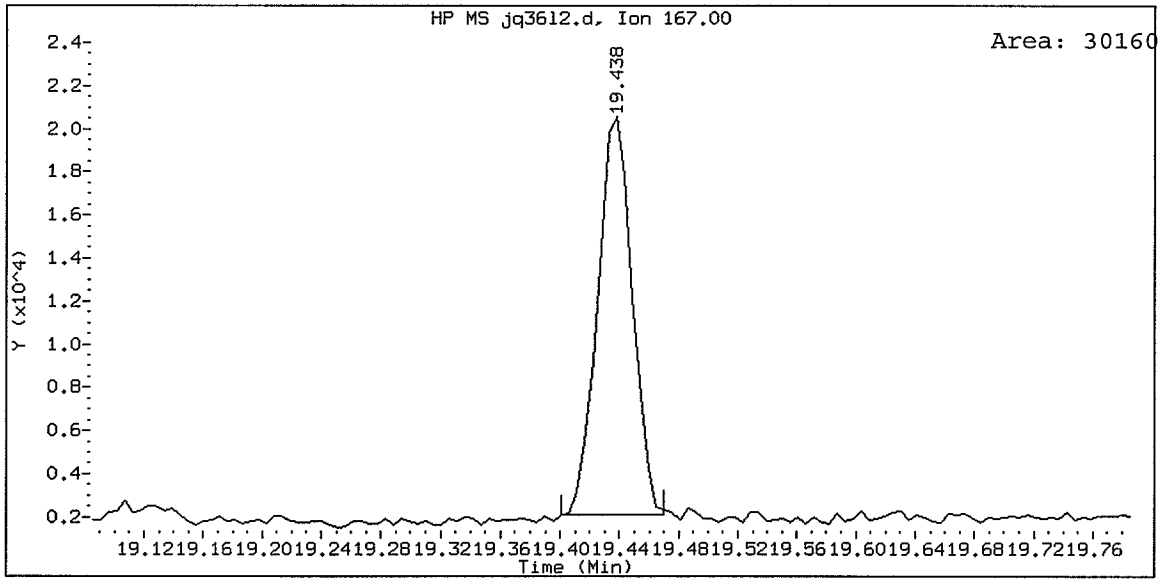


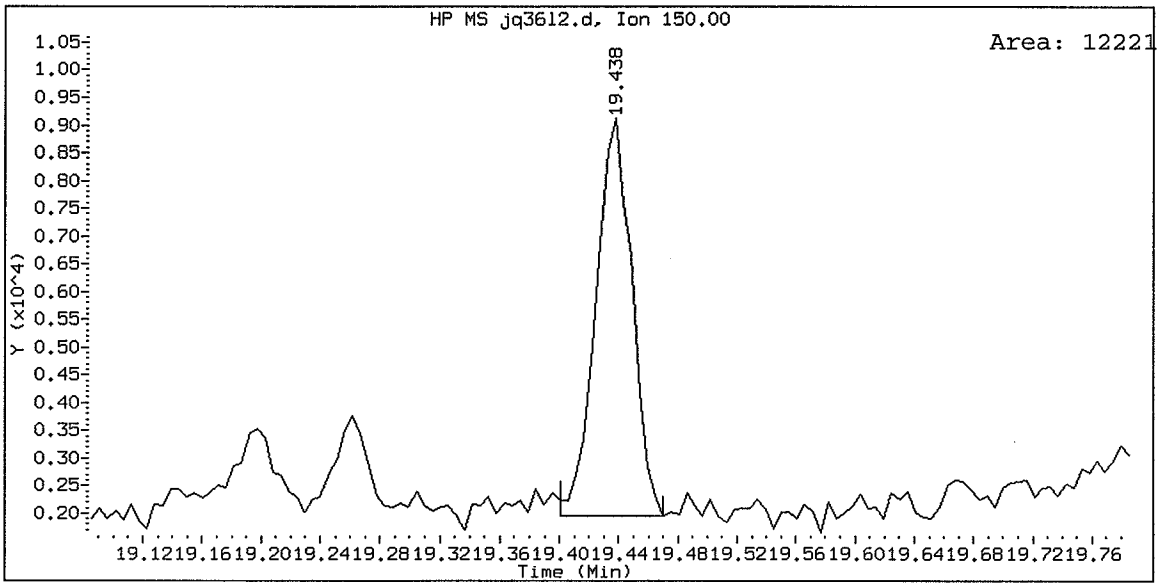




JQ36L, /chem1/nt6.i/20060812.b/jq36l2.d
bis(2-Ethylhexyl)phthalate Amount: 4.02







Semivolatile Organics
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

6B

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ36 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
Phenol	2.299	2.377	2.193	2.101	1.895	1.781	2.108	11.0	*
Bis(2-Chloroethyl)ether	1.697	1.757	1.567	1.590	1.450	1.353	1.569	9.6	
2-Chlorophenol	1.450	1.575	1.445	1.400	1.274	1.191	1.389	9.9	
1,3-Dichlorobenzene	1.662	1.674	1.490	1.504	1.372	1.277	1.496	10.5	
1,4-Dichlorobenzene	1.646	1.689	1.514	1.529	1.374	1.273	1.504	10.5	*
1,2-Dichlorobenzene	1.591	1.591	1.423	1.407	1.262	1.143	1.403	12.7	
Benzyl alcohol	1.095	1.190	1.059	1.068	0.970	0.918	1.050	9.1	
2,2'-oxybis(1-Chloropropane)	2.541	2.587	2.287	2.387	2.172	2.058	2.339	8.9	
2-Methylphenol	1.407	1.525	1.457	1.422	1.290	1.238	1.390	7.7	
Hexachloroethane	0.616	0.669	0.612	0.633	0.584	0.548	0.610	6.8	
N-Nitroso-di-n-propylamine	1.289	1.385	1.232	1.274	1.172	1.150	1.250	6.9	~
4-Methylphenol	1.445	1.583	1.492	1.454	1.323	1.243	1.423	8.6	
Nitrobenzene	0.491	0.529	0.469	0.473	0.439	0.414	0.469	8.5	
Isophorone	0.885	0.936	0.824	0.833	0.771	0.739	0.831	8.7	
2-Nitrophenol		0.197	0.195	0.196	0.183	0.179	0.190	4.5	*
2,4-Dimethylphenol	0.411	0.447	0.421	0.403	0.368	0.349	0.400	8.9	
Bis(2-Chloroethoxy)methane	0.560	0.571	0.501	0.502	0.460	0.435	0.505	10.7	
2,4-Dichlorophenol		0.305	0.290	0.286	0.260	0.240	0.276	9.5	*
1,2,4-Trichlorobenzene	0.333	0.342	0.301	0.300	0.271	0.252	0.300	11.6	
Naphthalene	1.200	1.205	1.052	1.013	0.906	0.811	1.031	0.999	
Benzoic acid		0.263	0.266	0.292	0.278	0.301	0.280	5.9	
4-Chloroaniline		0.518	0.461	0.452	0.412	0.390	0.447	11.0	
Hexachlorobutadiene	0.159	0.166	0.146	0.144	0.130	0.120	0.144	11.9	*
4-Chloro-3-methylphenol		0.373	0.350	0.339	0.312	0.296	0.334	9.2	*
2-Methylnaphthalene	0.612	0.647	0.570	0.549	0.487	0.449	0.552	13.5	
Hexachlorocyclopentadiene		0.183	0.192	0.223	0.218	0.228	0.209	9.6	~
2,4,6-Trichlorophenol		0.340	0.343	0.341	0.315	0.315	0.331	4.4	*
2,4,5-Trichlorophenol		0.392	0.376	0.357	0.331	0.323	0.356	8.2	
2-Chloronaphthalene	1.266	1.292	1.154	1.125	1.015	0.948	1.133	11.9	
2-Nitroaniline		0.485	0.444	0.450	0.425	0.433	0.447	5.2	
Acenaphthylene	2.026	2.134	1.859	1.810	1.617	1.504	1.825	13.0	
Dimethylphthalate	1.298	1.383	1.228	1.222	1.121	1.081	1.222	9.1	
2,6-Dinitrotoluene		0.286	0.262	0.271	0.256	0.254	0.266	4.9	
Acenaphthene	1.298	1.301	1.162	1.124	1.009	0.942	1.139	12.9	*
3-Nitroaniline		0.373	0.340	0.346	0.318	0.323	0.340	6.4	
2,4-Dinitrophenol		0.017	0.032	0.054	0.070	0.089	0.052	54.3	~
Dibenzofuran	1.722	1.789	1.554	1.480	1.322	1.238	1.518	14.3	

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

FORM VI SV-1

6C

SEMIVOLATILE 8270-C INITIAL CALIBRATION DATA

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR

ARI Job No: JQ36 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2	
4-Nitrophenol		0.170	0.172	0.177	0.169	0.174	0.172	1.8	~
2,4-Dinitrotoluene		0.353	0.338	0.355	0.344	0.344	0.347	2.0	
Fluorene	1.457	1.480	1.299	1.247	1.109	1.000	1.265	15.0	
4-Chlorophenyl-phenylether	0.652	0.660	0.564	0.548	0.491	0.454	0.562	14.8	
Diethylphthalate	1.371	1.406	1.244	1.238	1.131	1.079	1.245	10.3	
4-Nitroaniline		0.373	0.335	0.334	0.293	0.322	0.331	8.7	
4,6-Dinitro-2-methylphenol		0.048	0.065	0.086	0.093	0.103	0.079	28.2	
N-Nitrosodiphenylamine (1)	0.448	0.476	0.417	0.417	0.382	0.361	0.417	10.1	
4-Bromophenyl-phenylether	0.209	0.228	0.197	0.200	0.178	0.167	0.196	11.0	
Hexachlorobenzene	0.245	0.248	0.212	0.215	0.193	0.180	0.216	12.6	
Pentachlorophenol		0.101	0.110	0.127	0.116	0.119	0.115	8.5	*
Phenanthrene	1.394	1.397	1.204	1.164	1.033	0.934	1.188	0.999	
Anthracene	1.342	1.410	1.229	1.192	1.050	0.951	1.196	14.5	
Carbazole	1.342	1.343	1.159	1.112	0.972	0.916	1.141	0.998	
Di-n-butylphthalate	1.494	1.591	1.405	1.392	1.233	1.103	1.370	12.9	
Fluoranthene	1.328	1.387	1.196	1.190	1.036	0.944	1.180	14.3	*
Pyrene	1.897	1.917	1.730	1.678	1.554	1.437	1.702	11.1	
Butylbenzylphthalate	0.879	0.920	0.835	0.855	0.798	0.767	0.842	6.6	
Benzo(a)anthracene	1.505	1.530	1.330	1.308	1.163	1.098	1.322	13.2	
3,3'-Dichlorobenzidine		0.548	0.489	0.476	0.406	0.404	0.465	13.1	
Chrysene	1.512	1.530	1.323	1.326	1.178	1.124	1.332	12.5	
bis(2-Ethylhexyl)phthalate	0.527	0.565	0.518	0.537	0.504	0.482	0.522	5.4	
Di-n-octylphthalate	0.973	0.967	0.851	0.878	0.813	0.776	0.876	9.2	*
Benzo(b)fluoranthene	1.345	1.361	1.283	1.271	1.118	1.086	1.244	9.3	
Benzo(k)fluoranthene	1.623	1.606	1.284	1.193	1.098	0.875	1.280	0.999	
Benzo(a)pyrene	1.242	1.306	1.156	1.136	1.028	0.927	1.132	12.2	*
Indeno(1,2,3-cd)pyrene	1.578	1.629	1.420	1.402	1.279	1.204	1.419	11.6	
Dibenzo(a,h)anthracene	1.320	1.367	1.197	1.163	1.051	0.957	1.176	13.3	
Benzo(g,h,i)perylene	1.446	1.471	1.315	1.290	1.206	1.137	1.311	10.0	
N-Nitrosodimethylamine		1.160	1.051	1.092	1.039	1.023	1.073	5.1	
Aniline		2.792	2.431	2.405	2.134	2.048	2.362	12.4	
Benzidine		1.020	0.896	0.806	0.683	0.678	0.817	17.8	
Pyridine		1.943	1.757	1.844	1.738	1.831	1.823	4.5	
1-methylnaphthalene	0.623	0.656	0.574	0.561	0.505	0.455	0.562	13.2	
Azobenzene (1,2-DP-Hydrazine	1.755	1.830	1.620	1.616	1.479	1.402	1.617	10.0	
2-Fluorophenol		1.693	1.566	1.601	1.478	1.402	1.548	7.2	

(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: JQ36 Project: T4 EARLY ACTION

Instrument ID: NT6 Calibration Date: 08/10/06

LAB FILE ID: RRF1 =0010810 RRF5 =0050810 RRF10 =0100810
RRF25 =0250810 RRF40 =0400810 RRF80 =0800810

COMPOUND	RRF 1	RRF 5	RRF 10	RRF 25	RRF 40	RRF 80	$\overline{RRF}$	%RSD /R^2
Phenol-d5		2.054	1.912	1.829	1.658	1.530	1.797	11.5
2-Chlorophenol-d4		1.650	1.528	1.500	1.366	1.247	1.458	10.7
1,2-Dichlorobenzene-d4		1.044	0.961	0.916	0.827	0.723	0.894	13.9
Nitrobenzene-d5		0.542	0.505	0.498	0.467	0.448	0.492	7.4
2-Fluorobiphenyl		1.511	1.386	1.287	1.171	1.084	1.288	13.1
2,4,6-Tribromophenol		0.142	0.142	0.145	0.139	0.136	0.141	2.3
Terphenyl-d14		1.166	1.092	1.038	0.968	0.903	1.033	9.9

* 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 : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Calibration File Names:
Level 1: /chem1/nt6.i/20060810a.b/0010810.d
Level 2: /chem1/nt6.i/20060810a.b/0050810.d
Level 3: /chem1/nt6.i/20060810a.b/0100810.d
Level 4: /chem1/nt6.i/20060810a.b/0250810.d
Level 5: /chem1/nt6.i/20060810a.b/0400810.d
Level 6: /chem1/nt6.i/20060810a.b/0800810.d

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
133 Butylatedhydroxytoluene	1.00945	1.04708	0.93927	0.89368	0.79559	0.72510	AVRG		0.90169		13.73276	

0825

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
144 alpha-Terpineol	0.31729	0.34396	0.32206	0.30484	0.27772	0.26144	AVRG		0.30455		9.95942	
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
143 1,4-Dioxane	0.74188	0.77110	0.69383	0.72135	0.70089	0.67885	AVRG		0.71798		4.74791	
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
120 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
118 Triphenyl Phosphate	0.24571	0.25355	0.23590	0.24097	0.22118	0.21665	AVRG		0.23566		6.06217	
117 Butyl Diphenyl Phosphate	0.39317	0.42459	0.39999	0.39154	0.36706	0.33783	AVRG		0.38569		7.73132	
116 Dibutyl Phenyl Phosphate	0.84548	0.92405	0.83888	0.82158	0.72646	0.64871	AVRG		0.80086		12.19927	
115 Tributyl Phosphate	1.19922	1.31326	1.21179	1.19038	1.07669	0.98095	AVRG		1.16205		10.00646	
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

0826

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.75534	1.83018	1.61959	1.61582	1.47920	1.40155	AVRG		1.61695		9.97204	
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
107 4,5-Dichloro-2-Methoxyphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
105 1-methylnaphthalene	0.62329	0.65591	0.57429	0.56086	0.50512	0.45504	AVRG		0.56242		13.16353	
151 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
161 1,2,3-Trichloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
162 1,2,3,4-Tetrachloronapthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
165 1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
3 Phenol	2.29886	2.37742	2.19283	2.10081	1.89467	1.78098	AVRG		2.10759		10.99939	
4 Bis(2-Chloroethyl)ether	1.69726	1.75729	1.56700	1.59016	1.45005	1.35301	AVRG		1.56913		9.58740	
6 2-Chlorophenol	1.45040	1.57482	1.44490	1.40015	1.27358	1.19066	AVRG		1.38909		9.88175	
7 1,3-Dichlorobenzene	1.66154	1.67411	1.49042	1.50358	1.37158	1.27718	AVRG		1.49640		10.46336	
9 1,4-Dichlorobenzene	1.64628	1.68925	1.51386	1.52914	1.37421	1.27260	AVRG		1.50423		10.53980	
11 Benzyl alcohol	1.09543	1.19013	1.05929	1.06762	0.96963	0.91839	AVRG		1.05008		9.12211	
12 1,2-Dichlorobenzene	1.59069	1.59103	1.42272	1.40696	1.26226	1.14336	AVRG		1.40284		12.67999	
13 2-Methylphenol	1.40699	1.52491	1.45695	1.42223	1.28952	1.23753	AVRG		1.38969		7.70681	
14 2,2'-oxybis(1-Chloropropane)	2.54134	2.58747	2.28716	2.38708	2.17242	2.05805	AVRG		2.33892		8.85269	
15 4-Methylphenol	1.44496	1.58342	1.49152	1.45365	1.32277	1.24329	AVRG		1.42327		8.55876	
16 N-Nitroso-di-n-propylamine	1.28930	1.38532	1.23161	1.27450	1.17229	1.14973	AVRG		1.25046		6.86873	
17 Hexachloroethane	0.61638	0.66924	0.61161	0.63279	0.58397	0.54840	AVRG		0.61040		6.77181	
19 Nitrobenzene	0.49139	0.52870	0.46896	0.47343	0.43900	0.41416	AVRG		0.46927		8.51941	
20 Isophorone	0.88485	0.93560	0.82432	0.83301	0.77110	0.73889	AVRG		0.83129		8.66811	
21 2-Nitrophenol	+++++	0.19744	0.19465	0.19560	0.18288	0.17866	AVRG		0.18984		4.46664	
22 2,4-Dimethylphenol	0.41137	0.44706	0.42115	0.40275	0.36805	0.34933	AVRG		0.39995		8.93653	
23 Bis(2-Chloroethoxy)methane	0.56054	0.57130	0.50119	0.50206	0.45979	0.43488	AVRG		0.50496		10.65148	
24 Benzoic acid	+++++	0.26269	0.26564	0.29245	0.27811	0.30106	AVRG		0.27999		5.94370	
25 2,4-Dichlorophenol	+++++	0.30539	0.29031	0.28615	0.25971	0.23993	AVRG		0.27630		9.46875	

0828

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
26 1,2,4-Trichlorobenzene	0.33323	0.34214	0.30130	0.29975	0.27122	0.25159	AVRG		0.29987		11.60254	
28 Naphthalene	36595	175568	324701	717423	1117933	1851701	QUAD	0.000e+00	0.88048	0.10956	0.99963	
29 4-Chloroaniline	+++++	0.51786	0.46082	0.45241	0.41250	0.39025	AVRG		0.44677		10.99511	
30 Hexachlorobutadiene	0.15871	0.16593	0.14595	0.14452	0.12998	0.12017	AVRG		0.14421		11.87113	
31 4-Chloro-3-methylphenol	+++++	0.37286	0.34955	0.33882	0.31180	0.29559	AVRG		0.33372		9.16526	
32 2-Methylnaphthalene	0.61185	0.64707	0.56973	0.54909	0.48683	0.44945	AVRG		0.55233		13.47736	
33 Hexachlorocyclopentadiene	+++++	0.18275	0.19221	0.22337	0.21842	0.22785	AVRG		0.20892		9.63574	
34 2,4,6-Trichlorophenol	+++++	0.33963	0.34310	0.34136	0.31548	0.31476	AVRG		0.33087		4.36034	
35 2,4,5-Trichlorophenol	+++++	0.39211	0.37606	0.35678	0.33096	0.32310	AVRG		0.35580		8.21371	
37 2-Chloronaphthalene	1.26602	1.29187	1.15446	1.12491	1.01529	0.94859	AVRG		1.13352		11.92256	
38 2-Nitroaniline	+++++	0.48515	0.44460	0.44995	0.42504	0.43306	AVRG		0.44756		5.17423	
39 Dimethylphthalate	1.29834	1.38303	1.22791	1.22202	1.12081	1.08082	AVRG		1.22216		9.10886	
40 Acenaphthylene	2.02618	2.13403	1.85936	1.81042	1.61747	1.50413	AVRG		1.82526		13.04318	
41 2,6-Dinitrotoluene	+++++	0.28636	0.26206	0.27134	0.25613	0.25428	AVRG		0.26604		4.94921	
43 3-Nitroaniline	+++++	0.37295	0.34029	0.34566	0.31840	0.32265	AVRG		0.33999		6.38579	
44 Acenaphthene	1.29852	1.30137	1.16156	1.12366	1.00936	0.94234	AVRG		1.13947		12.90019	
45 2,4-Dinitrophenol	+++++	0.01748	0.03258	0.05450	0.07002	0.08924	AVRG		0.05277		54.30417	<-
46 Dibenzofuran	1.72259	1.78909	1.55372	1.48013	1.32229	1.23823	AVRG		1.51768		14.27355	
47 4-Nitrophenol	+++++	0.17033	0.17202	0.17673	0.16905	0.17427	AVRG		0.17248		1.78337	
48 2,4-Dinitrotoluene	+++++	0.35286	0.33819	0.35509	0.34394	0.34403	AVRG		0.34682		2.01600	
49 Fluorene	1.45669	1.48009	1.29942	1.24665	1.10905	0.99979	AVRG		1.26528		14.96186	
50 Diethylphthalate	1.37111	1.40655	1.24459	1.23847	1.13091	1.07943	AVRG		1.24518		10.31421	

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
51 4-Chlorophenyl-phenylether	0.65158	0.66033	0.56355	0.54780	0.49093	0.45382	AVRG		0.56133		14.82982
52 4-Nitroaniline	+++++	0.37277	0.33492	0.33398	0.29261	0.32234	AVRG		0.33133		8.69183
53 4,6-Dinitro-2-methylphenol	+++++	0.04785	0.06524	0.08621	0.09281	0.10319	AVRG		0.07906		28.19446
54 N-Nitrosodiphenylamine	0.44754	0.47597	0.41711	0.41729	0.38155	0.36120	AVRG		0.41678		10.05496
56 4-Bromophenyl-phenylether	0.20922	0.22806	0.19742	0.20020	0.17828	0.16722	AVRG		0.19673		11.04481
57 Hexachlorobenzene	0.24487	0.24764	0.21189	0.21542	0.19262	0.18033	AVRG		0.21546		12.57276
58 Pentachlorophenol	+++++	0.10124	0.11017	0.12731	0.11568	0.11950	AVRG		0.11478		8.54390
60 Phenanthrene	33404	161140	288444	651621	1008718	1719689	QUAD	0.000e+00	0.77626	0.07959	0.99945
61 Anthracene	1.34203	1.40980	1.22943	1.19154	1.05039	0.95068	AVRG		1.19564		14.46499
62 Carbazole	32144	154878	277617	622007	948877	1687597	QUAD	0.000e+00	0.85696	0.06502	0.99879
63 Di-n-butylphthalate	1.49398	1.59093	1.40536	1.39171	1.23289	1.10305	AVRG		1.36965		12.89490
64 Fluoranthene	1.32821	1.38681	1.19606	1.19049	1.03601	0.94374	AVRG		1.18022		14.26172
65 Pyrene	1.89682	1.91689	1.72955	1.67837	1.55388	1.43688	AVRG		1.70207		11.07526
67 Butylbenzylphthalate	0.87925	0.92055	0.83548	0.85522	0.79844	0.76723	AVRG		0.84270		6.55556
68 Benzo(a)anthracene	1.50522	1.53039	1.32980	1.30781	1.16305	1.09801	AVRG		1.32238		13.21528
70 3,3'-Dichlorobenzidine	+++++	0.54845	0.48871	0.47573	0.40630	0.40395	AVRG		0.46463		13.09756
71 Chrysene	1.51201	1.52992	1.32316	1.32568	1.17840	1.12398	AVRG		1.33219		12.49587
72 bis(2-Ethylhexyl)phthalate	0.52744	0.56471	0.51758	0.53709	0.50407	0.48172	AVRG		0.52210		5.44756
73 Di-n-octylphthalate	0.97317	0.96743	0.85116	0.87783	0.81312	0.77647	AVRG		0.87653		9.16668
74 Benzo(b)fluoranthene	1.34482	1.36074	1.28284	1.27110	1.11794	1.08638	AVRG		1.24397		9.28960
75 Benzo(k)fluoranthene	32653	162281	259191	602328	879378	1449810	QUAD	0.000e+00	0.59072	0.15663	0.99941
76 Benzo(a)pyrene	1.24246	1.30560	1.15623	1.13601	1.02826	0.92684	AVRG		1.13257		12.22121

Analytical Resources, Inc.

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Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
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Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810a.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
78 Indeno(1,2,3-cd)pyrene	1.57841	1.62948	1.42012	1.40254	1.27926	1.20413	AVRG		1.41899		11.60903	
79 Dibenzo(a,h)anthracene	1.32026	1.36740	1.19723	1.16285	1.05140	0.95660	AVRG		1.17596		13.26839	
80 Benzo(g,h,i)perylene	1.44608	1.47122	1.31466	1.29024	1.20586	1.13741	AVRG		1.31091		9.97808	
90 N-Nitrosodimethylamine	+++++	1.16005	1.05118	1.09170	1.03905	1.02274	AVRG		1.07294		5.12232	
91 Aniline	+++++	2.79226	2.43096	2.40504	2.13374	2.04812	AVRG		2.36202		12.38577	
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
93 Benzidine	+++++	1.01983	0.89655	0.80653	0.68270	0.67849	AVRG		0.81682		17.82549	
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
98 Retene	0.71169	0.76290	0.70414	0.68030	0.62636	0.59199	AVRG		0.67956		9.09097	
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
103 Pyridine	+++++	1.94270	1.75716	1.84442	1.73814	1.83101	AVRG		1.82269		4.45601	
$ 1 2-Fluorophenol	+++++	1.69319	1.56618	1.60090	1.47834	1.40239	AVRG		1.54820		7.24044	
$ 137 d8-1,4-Dioxane	+++++	0.72606	0.66113	0.68443	0.64805	0.63123	AVRG		0.67018		5.48939	
$ 2 Phenol-d5	+++++	2.05411	1.91181	1.82908	1.65841	1.53041	AVRG		1.79676		11.49373	
$ 5 2-Chlorophenol-d4	+++++	1.65037	1.52834	1.50043	1.36629	1.24712	AVRG		1.45851		10.65674	
$ 10 1,2-Dichlorobenzene-d4	+++++	1.04445	0.96101	0.91577	0.82665	0.72287	AVRG		0.89415		13.85838	
$ 18 Nitrobenzene-d5	+++++	0.54252	0.50477	0.49840	0.46707	0.44830	AVRG		0.49221		7.38700	

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Cal Date : 11-Aug-2006 12:21 jeff

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
$ 36 2-Fluorobiphenyl	+++++	1.51089	1.38652	1.28728	1.17093	1.08423	AVRG		1.28797		13.14258	
$ 55 2,4,6-Tribromophenol	+++++	0.14170	0.14259	0.14521	0.13931	0.13651	AVRG		0.14106		2.34332	
$ 66 Terphenyl-d14	+++++	1.16610	1.09171	1.03788	0.96792	0.90337	AVRG		1.03340		9.94233	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-

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Cal Date : 11-Aug-2006 12:21 jeff

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 08:50
End Cal Date : 10-AUG-2006 18:27
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20060810.b/SW846.m
Cal Date : 11-Aug-2006 12:21 jeff
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20060810a.b/0010810.d
Level 2: /chem1/nt6.i/20060810a.b/0050810.d
Level 3: /chem1/nt6.i/20060810a.b/0100810.d
Level 4: /chem1/nt6.i/20060810a.b/0250810.d
Level 5: /chem1/nt6.i/20060810a.b/0400810.d
Level 6: /chem1/nt6.i/20060810a.b/0800810.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	1.00945	1.04708	0.93927	0.89368	0.79559	0.72510	0.90169	13.733	
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

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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	0.31729	0.34396	0.32206	0.30484	0.27772	0.26144	0.30455	9.959	
125 Safrole	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
124 3,4-Dimethylphenol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
123 Acetophenone	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
122 Furfuraldehyde	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
143 1,4-Dioxane	0.74188	0.77110	0.69383	0.72135	0.70089	0.67885	0.71798	4.748	
121 Quinoline	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
120 2,3,4,6-Tetrachlorophenol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
119 7,12-Dimethylbenz(a)anthracen	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
118 Triphenyl Phosphate	0.24571	0.25355	0.23590	0.24097	0.22118	0.21665	0.23566	6.062	
117 Butyl Diphenyl Phosphate	0.39317	0.42459	0.39999	0.39154	0.36706	0.33783	0.38569	7.731	
116 Dibutyl Phenyl Phosphate	0.84548	0.92405	0.83888	0.82158	0.72646	0.64871	0.80086	12.199	
115 Tributyl Phosphate	1.19922	1.31326	1.21179	1.19038	1.07669	0.98095	1.16205	10.006	
114 Beta-Pinene	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
113 Diphenyl Oxide	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
112 Biphenyl	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
111 Azobenzene (1,2-DP-Hydrazine)	1.75534	1.83018	1.61959	1.61582	1.47920	1.40155	1.61695	9.972	
110 Tetrachloroguaiacol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
109 3,4,5-Trichloroguaiacol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
108 4,5,6-Trichloroguaiacol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
107 4,5-Dichloro-2-Methoxyphenol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
106 Guaiacol	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
105 1-methylnaphthalene	0.62329	0.65591	0.57429	0.56086	0.50512	0.45504	0.56242	13.164	
151 1,2,4,5-Tetrachlorobenzene	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
152 Benzo(e)pyrene	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
153 Chlorpyrifos	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
154 Diazinon	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
155 Kelthane	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-
156 Methyl Parathion	++++++	++++++	++++++	++++++	++++++	++++++	++++++	++++++	<-

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Target Version : 3.50
Integrator : HP RTE
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Cal Date : 11-Aug-2006 12:21 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	
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
161 1,2,3-Trichloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
162 1,2,3,4-Tetrachloronapthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
163 1,2,3,5,8-Pentachloronaphthal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
164 1,2,3,4,6,7-Hexachloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
165 1,2,3,4,5,6,7-Heptachloronaph	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
3 Phenol	2.29886	2.37742	2.19283	2.10081	1.89467	1.78098	2.10759	10.999	
4 Bis(2-Chloroethyl)ether	1.69726	1.75729	1.56700	1.59016	1.45005	1.35301	1.56913	9.587	
6 2-Chlorophenol	1.45040	1.57482	1.44490	1.40015	1.27358	1.19066	1.38909	9.882	
7 1,3-Dichlorobenzene	1.66154	1.67411	1.49042	1.50358	1.37158	1.27718	1.49640	10.463	
9 1,4-Dichlorobenzene	1.64628	1.68925	1.51386	1.52914	1.37421	1.27260	1.50423	10.540	
11 Benzyl alcohol	1.09543	1.19013	1.05929	1.06762	0.96963	0.91839	1.05008	9.122	
12 1,2-Dichlorobenzene	1.59069	1.59103	1.42272	1.40696	1.26226	1.14336	1.40284	12.680	
13 2-Methylphenol	1.40699	1.52491	1.45695	1.42223	1.28952	1.23753	1.38969	7.707	
14 2,2'-oxybis(1-Chloropropane)	2.54134	2.58747	2.28716	2.38708	2.17242	2.05805	2.33892	8.853	
15 4-Methylphenol	1.44496	1.58342	1.49152	1.45365	1.32277	1.24329	1.42327	8.559	
16 N-Nitroso-di-n-propylamine	1.28930	1.38532	1.23161	1.27450	1.17229	1.14973	1.25046	6.869	
17 Hexachloroethane	0.61638	0.66924	0.61161	0.63279	0.58397	0.54840	0.61040	6.772	
19 Nitrobenzene	0.49139	0.52870	0.46896	0.47343	0.43900	0.41416	0.46927	8.519	
20 Isophorone	0.88485	0.93560	0.82432	0.83301	0.77110	0.73889	0.83129	8.668	
21 2-Nitrophenol	+++++	0.19744	0.19465	0.19560	0.18288	0.17866	0.18984	4.467	
22 2,4-Dimethylphenol	0.41137	0.44706	0.42115	0.40275	0.36805	0.34933	0.39995	8.937	
23 Bis(2-Chloroethoxy)methane	0.56054	0.57130	0.50119	0.50206	0.45979	0.43488	0.50496	10.651	
24 Benzoic acid	+++++	0.26269	0.26564	0.29245	0.27811	0.30106	0.27999	5.944	

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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
25 2,4-Dichlorophenol	+++++	0.30539	0.29031	0.28615	0.25971	0.23993	0.27630	9.469
26 1,2,4-Trichlorobenzene	0.33323	0.34214	0.30130	0.29975	0.27122	0.25159	0.29987	11.603
28 Naphthalene	1.20050	1.20469	1.05241	1.01268	0.90633	0.81075	1.03123	15.255
29 4-Chloroaniline	+++++	0.51786	0.46082	0.45241	0.41250	0.39025	0.44677	10.995
30 Hexachlorobutadiene	0.15871	0.16593	0.14595	0.14452	0.12998	0.12017	0.14421	11.871
31 4-Chloro-3-methylphenol	+++++	0.37286	0.34955	0.33882	0.31180	0.29559	0.33372	9.165
32 2-Methylnaphthalene	0.61185	0.64707	0.56973	0.54909	0.48683	0.44945	0.55233	13.477
33 Hexachlorocyclopentadiene	+++++	0.18275	0.19221	0.22337	0.21842	0.22785	0.20892	9.636
34 2,4,6-Trichlorophenol	+++++	0.33963	0.34310	0.34136	0.31548	0.31476	0.33087	4.360
35 2,4,5-Trichlorophenol	+++++	0.39211	0.37606	0.35678	0.33096	0.32310	0.35580	8.214
37 2-Chloronaphthalene	1.26602	1.29187	1.15446	1.12491	1.01529	0.94859	1.13352	11.923
38 2-Nitroaniline	+++++	0.48515	0.44460	0.44995	0.42504	0.43306	0.44756	5.174
39 Dimethylphthalate	1.29834	1.38303	1.22791	1.22202	1.12081	1.08082	1.22216	9.109
40 Acenaphthylene	2.02618	2.13403	1.85936	1.81042	1.61747	1.50413	1.82526	13.043
41 2,6-Dinitrotoluene	+++++	0.28636	0.26206	0.27134	0.25613	0.25428	0.26604	4.949
43 3-Nitroaniline	+++++	0.37295	0.34029	0.34566	0.31840	0.32265	0.33999	6.386
44 Acenaphthene	1.29852	1.30137	1.16156	1.12366	1.00936	0.94234	1.13947	12.900
45 2,4-Dinitrophenol	+++++	0.01748	0.03258	0.05450	0.07002	0.08924	0.05277	54.304 <-
46 Dibenzofuran	1.72259	1.78909	1.55372	1.48013	1.32229	1.23823	1.51768	14.274
47 4-Nitrophenol	+++++	0.17033	0.17202	0.17673	0.16905	0.17427	0.17248	1.783
48 2,4-Dinitrotoluene	+++++	0.35286	0.33819	0.35509	0.34394	0.34403	0.34682	2.016
49 Fluorene	1.45669	1.48009	1.29942	1.24665	1.10905	0.99979	1.26528	14.962
50 Diethylphthalate	1.37111	1.40655	1.24459	1.23847	1.13091	1.07943	1.24518	10.314
51 4-Chlorophenyl-phenylether	0.65158	0.66033	0.56355	0.54780	0.49093	0.45382	0.56133	14.830
52 4-Nitroaniline	+++++	0.37277	0.33492	0.33398	0.29261	0.32234	0.33133	8.692
53 4,6-Dinitro-2-methylphenol	+++++	0.04785	0.06524	0.08621	0.09281	0.10319	0.07906	28.194
54 N-Nitrosodiphenylamine	0.44754	0.47597	0.41711	0.41729	0.38155	0.36120	0.41678	10.055
56 4-Bromophenyl-phenylether	0.20922	0.22806	0.19742	0.20020	0.17828	0.16722	0.19673	11.045
57 Hexachlorobenzene	0.24487	0.24764	0.21189	0.21542	0.19262	0.18033	0.21546	12.573

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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	
58 Pentachlorophenol	++++++	0.10124	0.11017	0.12731	0.11568	0.11950	0.11478	8.544	
60 Phenanthrene	1.39442	1.39697	1.20448	1.16443	1.03343	0.93372	1.18791	15.778	
61 Anthracene	1.34203	1.40980	1.22943	1.19154	1.05039	0.95068	1.19564	14.465	
62 Carbazole	1.34182	1.34269	1.15927	1.11151	0.97212	0.91630	1.14062	15.743	
63 Di-n-butylphthalate	1.49398	1.59093	1.40536	1.39171	1.23289	1.10305	1.36965	12.895	
64 Fluoranthene	1.32821	1.38681	1.19606	1.19049	1.03601	0.94374	1.18022	14.262	
65 Pyrene	1.89682	1.91689	1.72955	1.67837	1.55388	1.43688	1.70207	11.075	
67 Butylbenzylphthalate	0.87925	0.92055	0.83548	0.85522	0.79844	0.76723	0.84270	6.556	
68 Benzo(a)anthracene	1.50522	1.53039	1.32980	1.30781	1.16305	1.09801	1.32238	13.215	
70 3,3'-Dichlorobenzidine	+++++	0.54845	0.48871	0.47573	0.40630	0.40395	0.46463	13.098	
71 Chrysene	1.51201	1.52992	1.32316	1.32568	1.17840	1.12398	1.33219	12.496	
72 bis(2-Ethylhexyl)phthalate	0.52744	0.56471	0.51758	0.53709	0.50407	0.48172	0.52210	5.448	
73 Di-n-octylphthalate	0.97317	0.96743	0.85116	0.87783	0.81312	0.77647	0.87653	9.167	
74 Benzo(b)fluoranthene	1.34482	1.36074	1.28284	1.27110	1.11794	1.08638	1.24397	9.290	
75 Benzo(k)fluoranthene	1.62319	1.60659	1.28382	1.19279	1.09808	0.87479	1.27988	22.896	
76 Benzo(a)pyrene	1.24246	1.30560	1.15623	1.13601	1.02826	0.92684	1.13257	12.221	
78 Indeno(1,2,3-cd)pyrene	1.57841	1.62948	1.42012	1.40254	1.27926	1.20413	1.41899	11.609	
79 Dibenzo(a,h)anthracene	1.32026	1.36740	1.19723	1.16285	1.05140	0.95660	1.17596	13.268	
80 Benzo(g,h,i)perylene	1.44608	1.47122	1.31466	1.29024	1.20586	1.13741	1.31091	9.978	
90 N-Nitrosodimethylamine	+++++	1.16005	1.05118	1.09170	1.03905	1.02274	1.07294	5.122	
91 Aniline	+++++	2.79226	2.43096	2.40504	2.13374	2.04812	2.36202	12.386	
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
93 Benzidine	+++++	1.01983	0.89655	0.80653	0.68270	0.67849	0.81682	17.825	
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
98 Retene	0.71169	0.76290	0.70414	0.68030	0.62636	0.59199	0.67956	9.091	
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

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102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
103 Pyridine	+++++	1.94270	1.75716	1.84442	1.73814	1.83101	1.82269	4.456	
$ 1 2-Fluorophenol	+++++	1.69319	1.56618	1.60090	1.47834	1.40239	1.54820	7.240	
$ 137 d8-1,4-Dioxane	+++++	0.72606	0.66113	0.68443	0.64805	0.63123	0.67018	5.489	
$ 2 Phenol-d5	+++++	2.05411	1.91181	1.82908	1.65841	1.53041	1.79676	11.494	
$ 5 2-Chlorophenol-d4	+++++	1.65037	1.52834	1.50043	1.36629	1.24712	1.45851	10.657	
$ 10 1,2-Dichlorobenzene-d4	+++++	1.04445	0.96101	0.91577	0.82665	0.72287	0.89415	13.858	
$ 18 Nitrobenzene-d5	+++++	0.54252	0.50477	0.49840	0.46707	0.44830	0.49221	7.387	
$ 36 2-Fluorobiphenyl	+++++	1.51089	1.38652	1.28728	1.17093	1.08423	1.28797	13.143	
$ 55 2,4,6-Tribromophenol	+++++	0.14170	0.14259	0.14521	0.13931	0.13651	0.14106	2.343	
$ 66 Terphenyl-d14	+++++	1.16610	1.09171	1.03788	0.96792	0.90337	1.03340	9.942	
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0010810.d
Lab Smp Id: ABN 1
Inj Date : 10-AUG-2006 16:48
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 1
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:48 Cal File: 0010810.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 8/11/06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$ 1 2-Fluorophenol	112	5.739	5.749	(0.750)	13091	1.00000	1.000
$ 2 Phenol-d5	99	7.197	7.223	(0.941)	15824	1.00000	1.042
3 Phenol	94	7.213	7.245	(0.943)	19435	1.00000	1.091
$ 5 2-Chlorophenol-d4	132	7.346	7.357	(0.960)	12790	1.00000	1.037
4 Bis(2-Chloroethyl)ether	93	7.320	7.335	(0.957)	14349	1.00000	1.082
6 2-Chlorophenol	128	7.368	7.384	(0.963)	12262	1.00000	1.044
7 1,3-Dichlorobenzene	146	7.587	7.597	(0.992)	14047	1.00000	1.110
* 8 1,4-Dichlorobenzene-d4	152	7.651	7.656	(1.000)	169084	20.0000	
9 1,4-Dichlorobenzene	146	7.672	7.683	(1.003)	13918	1.00000	1.094
$ 10 1,2-Dichlorobenzene-d4	152	7.945	7.950	(1.038)	8462	1.00000	1.119
12 1,2-Dichlorobenzene	146	7.961	7.971	(1.040)	13448	1.00000	1.134
11 Benzyl alcohol	108	7.913	7.934	(1.034)	9261	1.00000	1.043
14 2,2'-oxybis(1-Chloropropane)	45	8.180	8.190	(1.069)	21485	1.00000	1.087
13 2-Methylphenol	108	8.137	8.153	(1.064)	11895	1.00000	1.012
17 Hexachloroethane	117	8.447	8.452	(1.104)	5211	1.00000	1.010
16 N-Nitroso-di-n-propylamine	70	8.383	8.415	(1.096)	10900	1.00000	1.031
15 4-Methylphenol	108	8.361	8.388	(1.093)	12216	1.00000	1.015
$ 18 Nitrobenzene-d5	82	8.559	8.580	(0.885)	15901	1.00000	1.060
19 Nitrobenzene	77	8.586	8.607	(0.888)	14979	1.00000	1.047
20 Isophorone	82	8.965	8.992	(0.927)	26973	1.00000	1.064
21 2-Nitrophenol	139	9.104	9.114	(0.941)	4840	1.00000	0.8364
22 2,4-Dimethylphenol	107	9.200	9.221	(0.951)	12540	1.00000	1.029
23 Bis(2-Chloroethoxy)methane	93	9.355	9.376	(0.967)	17087	1.00000	1.110
24 Benzoic acid	105	9.291	9.547	(0.961)	10089	5.00000	1.495 (M)
25 2,4-Dichlorophenol	162	9.478	9.494	(0.980)	7753	1.00000	0.9205
26 1,2,4-Trichlorobenzene	180	9.617	9.627	(0.994)	10158	1.00000	1.111
* 27 Naphthalene-d8	136	9.670	9.681	(1.000)	609664	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	9.702	9.718	(1.003)	36595	1.00000	1.164
29 4-Chloroaniline	127	9.841	9.857	(1.018)	14514	1.00000	1.066
30 Hexachlorobutadiene	225	10.023	10.028	(1.036)	4838	1.00000	1.101
31 4-Chloro-3-methylphenol	107	10.643	10.658	(1.101)	9644	1.00000	0.9480
32 2-Methylnaphthalene	141	10.824	10.835	(1.119)	18651	1.00000	1.108
33 Hexachlorocyclopentadiene	237	11.209	11.214	(0.894)	2326	1.00000	0.6701
34 2,4,6-Trichlorophenol	196	11.337	11.347	(0.904)	4206	1.00000	0.7651
35 2,4,5-Trichlorophenol	196	11.396	11.401	(0.908)	6357	1.00000	1.075 (M)
$ 36 2-Fluorobiphenyl	172	11.471	11.481	(0.914)	24185	1.00000	1.130
37 2-Chloronaphthalene	162	11.604	11.620	(0.925)	21035	1.00000	1.117
38 2-Nitroaniline	65	11.834	11.850	(0.943)	6809	1.00000	0.9157
39 Dimethylphthalate	163	12.213	12.234	(0.974)	21572	1.00000	1.062
40 Acenaphthylene	152	12.288	12.298	(0.980)	33665	1.00000	1.110
41 2,6-Dinitrotoluene	165	12.304	12.325	(0.981)	3794	1.00000	0.8583
* 42 Acenaphthene-d10	164	12.544	12.549	(1.000)	332301	20.0000	
43 3-Nitroaniline	138	12.507	12.533	(0.997)	5242	1.00000	0.9281 (M)
44 Acenaphthene	153	12.592	12.608	(1.004)	21575	1.00000	1.140
45 2,4-Dinitrophenol	184	Compound Not Detected.					
46 Dibenzofuran	168	12.849	12.870	(1.024)	28621	1.00000	1.135
47 4-Nitrophenol	109	12.822	12.833	(1.022)	2058	1.00000	0.7203 (M)
48 2,4-Dinitrotoluene	165	12.934	12.950	(1.031)	4007	1.00000	0.6954
50 Diethylphthalate	149	13.367	13.393	(1.066)	22781	1.00000	1.101
49 Fluorene	166	13.410	13.426	(1.069)	24203	1.00000	1.151
51 4-Chlorophenyl-phenylether	204	13.442	13.447	(1.072)	10826	1.00000	1.161
52 4-Nitroaniline	138	13.506	13.543	(1.077)	5256	1.00000	0.9810
53 4,6-Dinitro-2-methylphenol	198	13.581	13.618	(0.910)	372	5.00000	0.1964
54 N-Nitrosodiphenylamine	169	13.640	13.661	(0.914)	10721	1.00000	1.074
$ 55 2,4,6-Tribromophenol	330	13.837	13.853	(1.103)	1668	1.00000	0.7117
56 4-Bromophenyl-phenylether	248	14.227	14.238	(0.953)	5012	1.00000	1.063
57 Hexachlorobenzene	284	14.446	14.457	(0.968)	5866	1.00000	1.136
58 Pentachlorophenol	266	14.740	14.756	(0.987)	831	1.00000	0.3051
* 59 Phenanthrene-d10	188	14.927	14.937	(1.000)	479110	20.0000	
60 Phenanthrene	178	14.964	14.980	(1.002)	33404	1.00000	1.174
61 Anthracene	178	15.034	15.050	(1.007)	32149	1.00000	1.122
62 Carbazole	167	15.317	15.333	(1.026)	32144	1.00000	1.176
63 Di-n-butylphthalate	149	16.038	16.049	(1.074)	35789	1.00000	1.091
64 Fluoranthene	202	16.909	16.925	(1.133)	31818	1.00000	1.125
65 Pyrene	202	17.267	17.283	(0.897)	33790	1.00000	1.114
$ 66 Terphenyl-d14	244	17.582	17.592	(0.913)	20066	1.00000	1.090
67 Butylbenzylphthalate	149	18.469	18.479	(0.959)	15663	1.00000	1.043
68 Benzo(a)anthracene	228	19.233	19.248	(0.999)	26814	1.00000	1.138
* 69 Chrysene-d12	240	19.259	19.275	(1.000)	356280	20.0000	
70 3,3'-Dichlorobenzidine	252	19.243	19.254	(0.999)	9515	1.00000	1.150
71 Chrysene	228	19.297	19.323	(1.002)	26935	1.00000	1.135
72 bis(2-Ethylhexyl)phthalate	149	19.468	19.473	(0.954)	21028	1.00000	1.010
* 134 Di-n-octylphthalate-d4	153	20.403	20.408	(1.000)	797357	20.0000	
73 Di-n-octylphthalate	149	20.413	20.424	(1.001)	38798	1.00000	1.110

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	20.889	20.921	(0.975)	27053	1.00000	1.081
75 Benzo(k)fluoranthene	252	20.926	20.953	(0.977)	32653	1.00000	1.268
76 Benzo(a)pyrene	252	21.343	21.369	(0.996)	24994	1.00000	1.097
* 77 Perylene-d12	264	21.423	21.433	(1.000)	402330	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.972	23.009	(1.072)	31752	1.00000	1.112
79 Dibenzo(a,h)anthracene	278	22.994	23.036	(1.073)	26559	1.00000	1.123
80 Benzo(g,h,i)perylene	276	23.394	23.453	(1.092)	29090	1.00000	1.103
90 N-Nitrosodimethylamine	74	3.404	3.420	(0.445)	9449	1.00000	1.042
103 Pyridine	79	3.436	3.382	(0.449)	14359	1.00000	0.9516 (M)
91 Aniline	93	7.208	7.218	(0.942)	22518	1.00000	1.128
105 1-methylnaphthalene	141	10.995	11.011	(1.137)	19000	1.00000	1.108
93 Benzidine	184	17.160	17.170	(0.891)	17641	1.00000	1.212
98 Retene	219	17.833	17.843	(0.926)	12678	1.00000	1.047
111 Azobenzene (1,2-DP-Hydrazine)	77	13.688	13.709	(1.091)	29165	1.00000	1.086
144 alpha-Terpineol	59	9.724	9.739	(1.006)	9672	1.00000	1.042
143 1,4-Dioxane	88	2.742	2.736	(0.358)	6272	1.00000	1.000 (M)
$ 137 d8-1,4-Dioxane	96	2.693	2.682	(0.352)	5871	1.00000	1.036
133 Butylatedhydroxytoluene	205	12.715	12.726	(1.014)	16772	1.00000	1.119
115 Tributyl Phosphate	99	13.736	13.762	(0.920)	28728	1.00000	1.032
116 Dibutyl Phenyl Phosphate	175	15.477	15.493	(1.037)	20254	1.00000	1.056
117 Butyl Diphenyl Phosphate	94	17.176	17.186	(0.892)	7004	1.00000	1.019
118 Triphenyl Phosphate	326	18.779	18.794	(0.975)	4377	1.00000	1.043

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: 0010810.d
Lab Smp Id: ABN 1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	169084	10.30
27 Naphthalene-d8	566754	283377	1133508	609664	7.57
42 Acenaphthene-d10	308375	154188	616750	332301	7.76
59 Phenanthrene-d10	447684	223842	895368	479110	7.02
69 Chrysene-d12	331290	165645	662580	356280	7.54
134 Di-n-octylphthala	733535	366768	1467070	797357	8.70
77 Perylene-d12	403979	201990	807958	402330	-0.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.01
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.04
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.01
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.03
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.02
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.02
77 Perylene-d12	21.43	20.93	21.93	21.42	-0.05

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

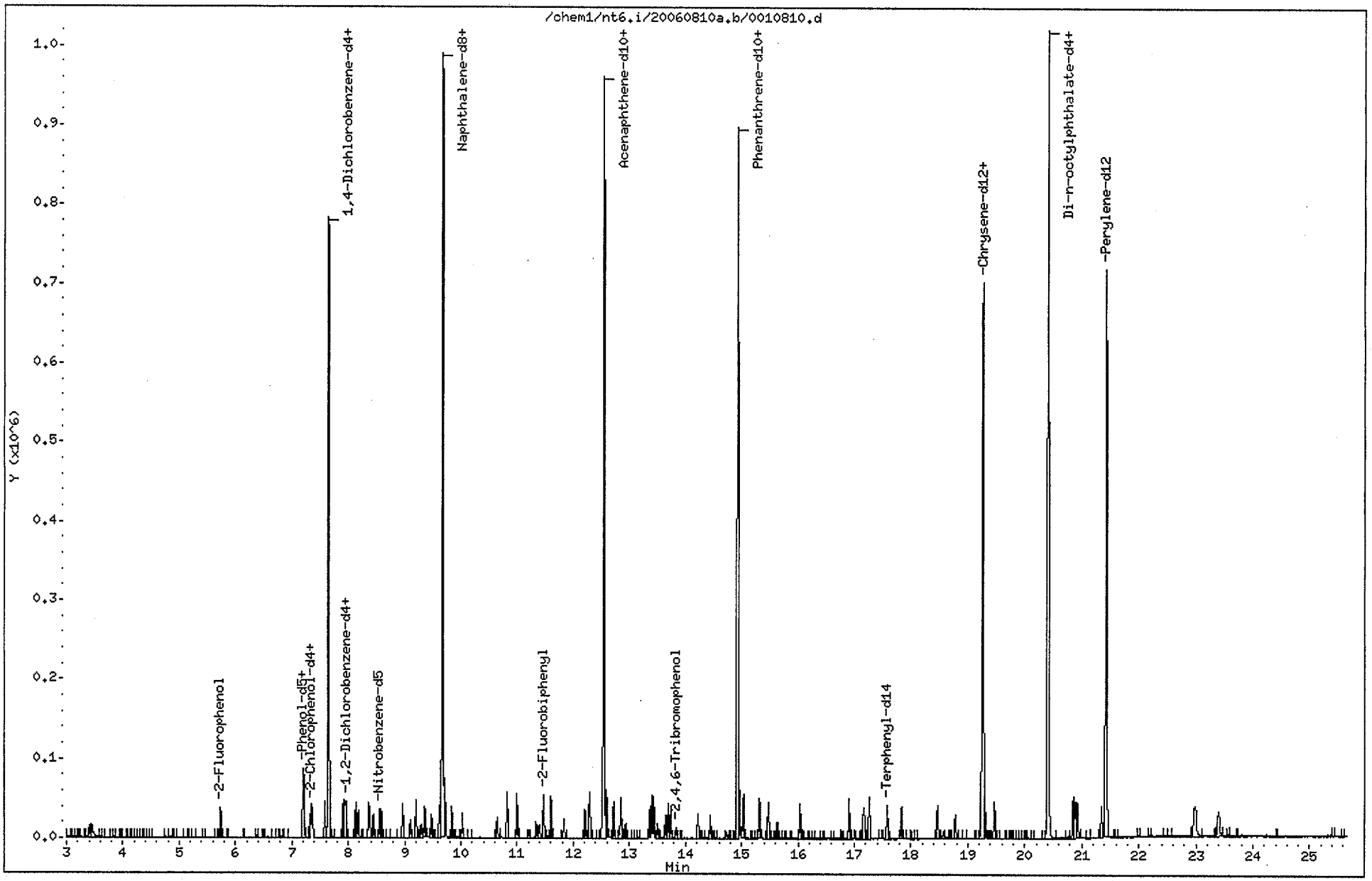
Data File: /chem1/nt6.i/20060810a.b/0010810.d
Date : 10-AUG-2006 16:48
Client ID:
Sample Info: ABN 1

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32

0844



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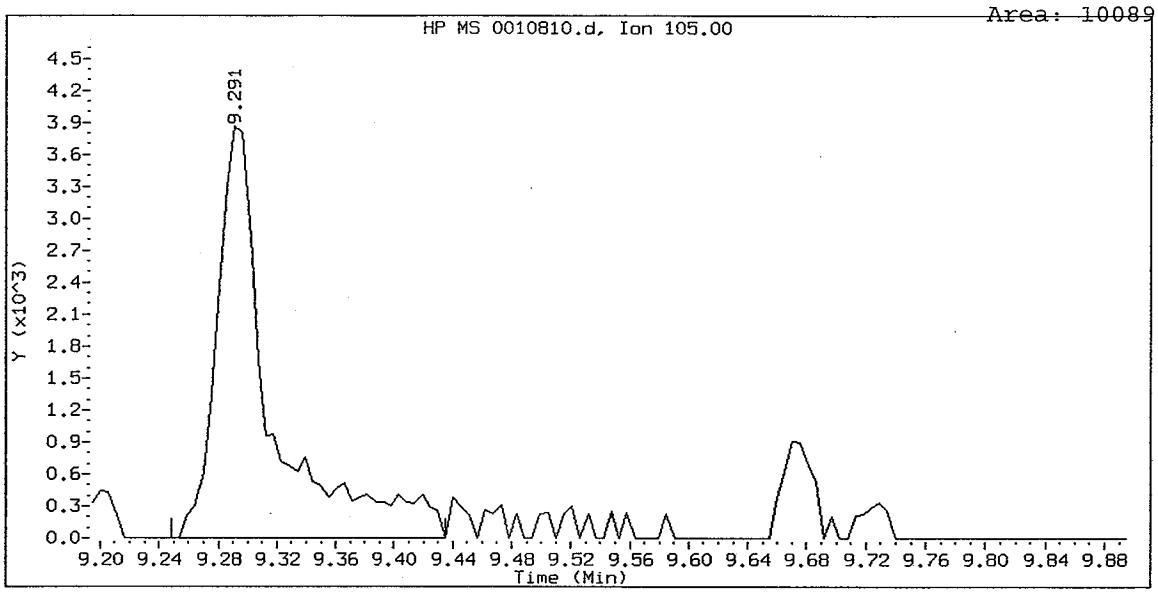
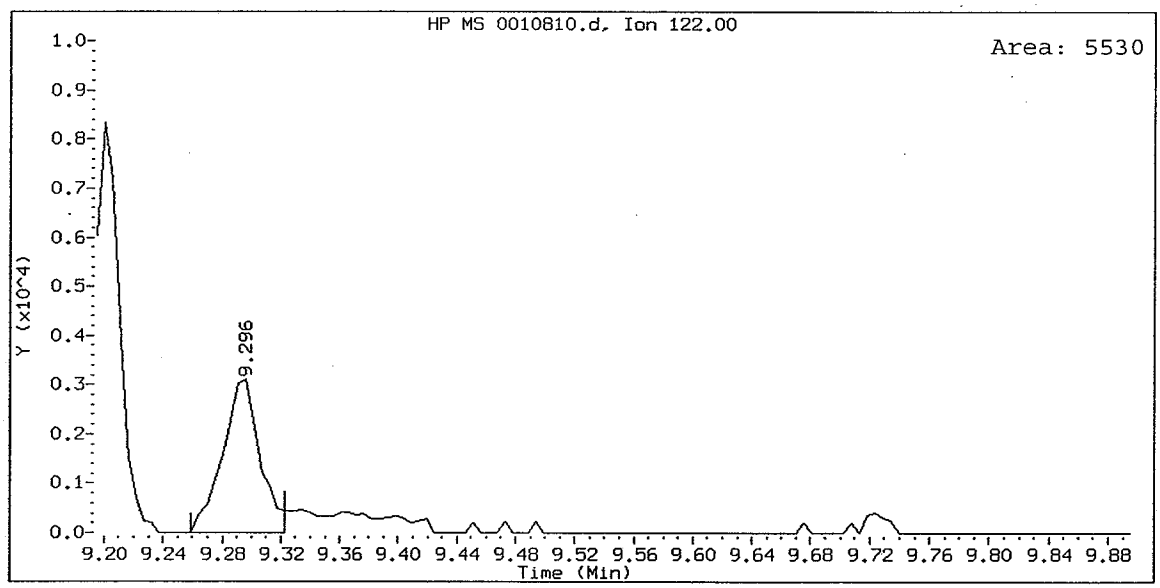
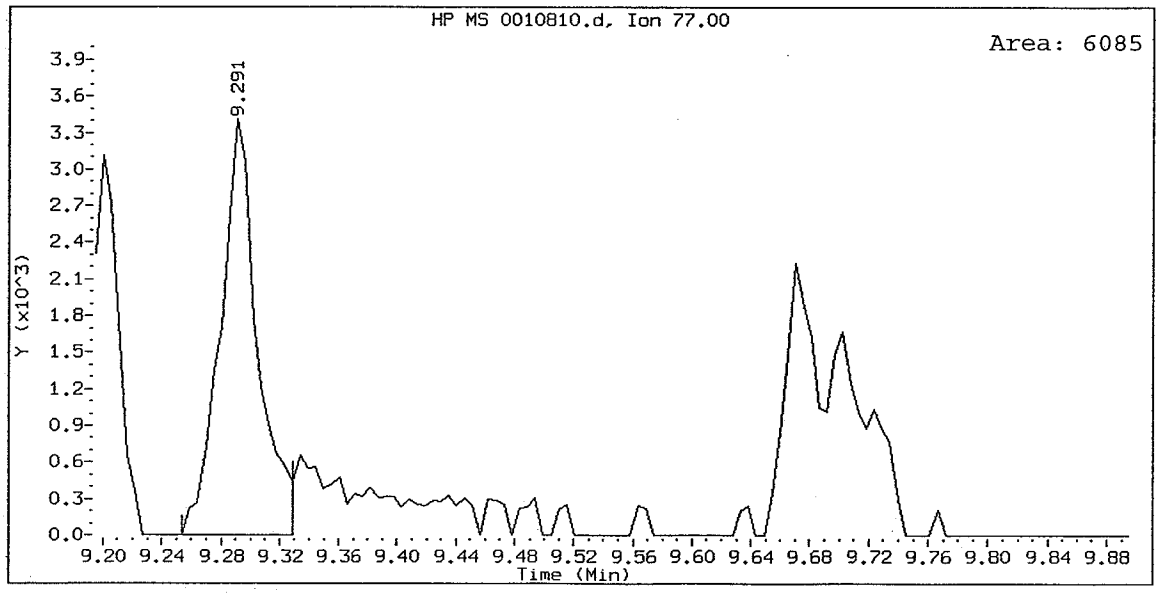
Benzoic acid Amount: 1.50







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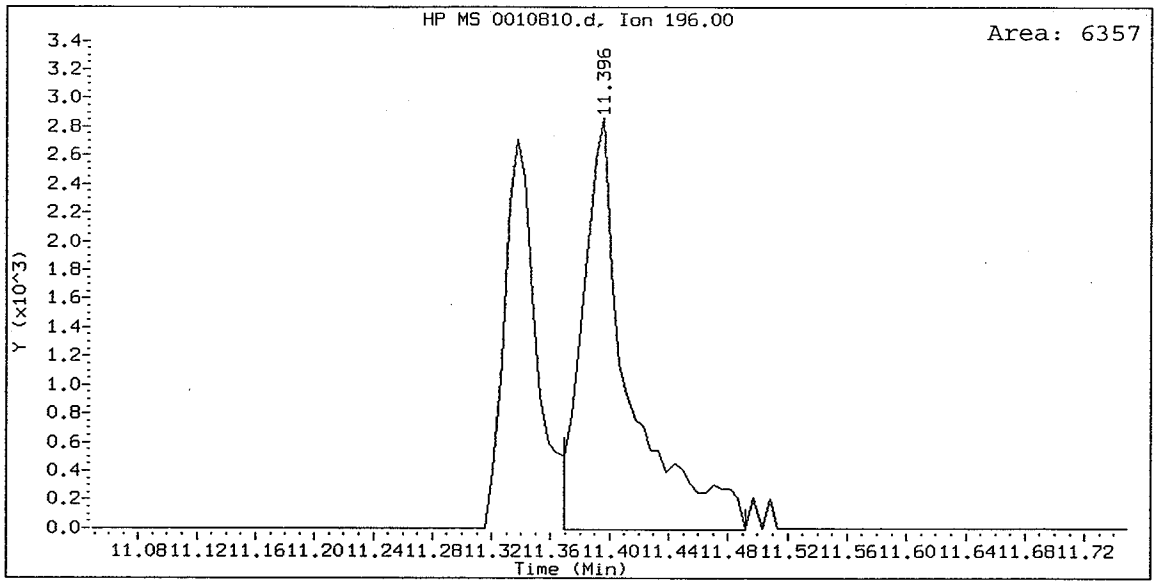

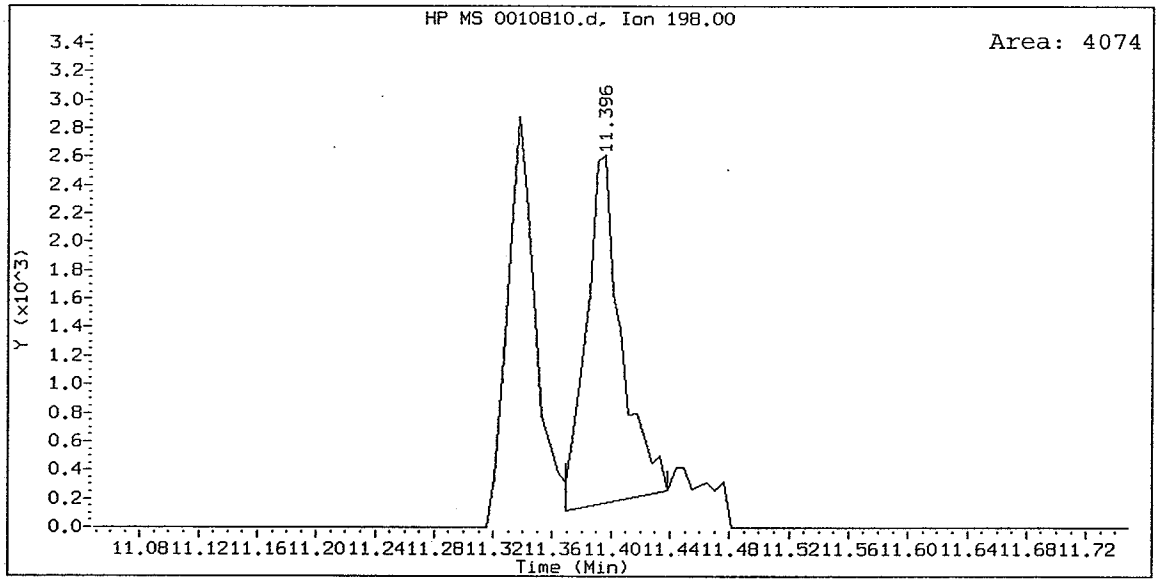

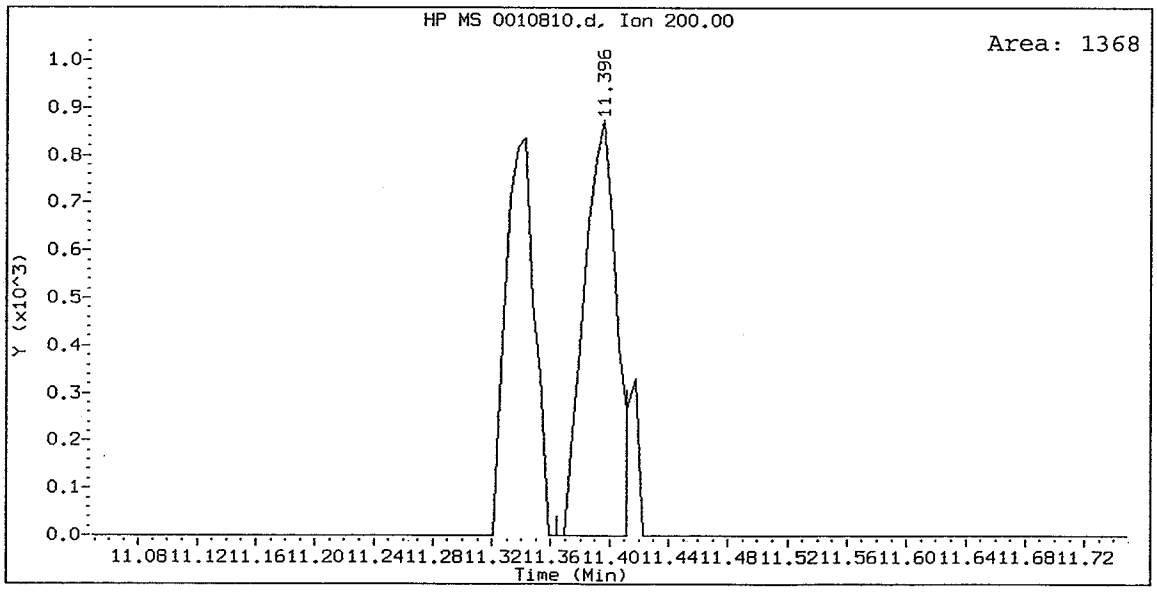

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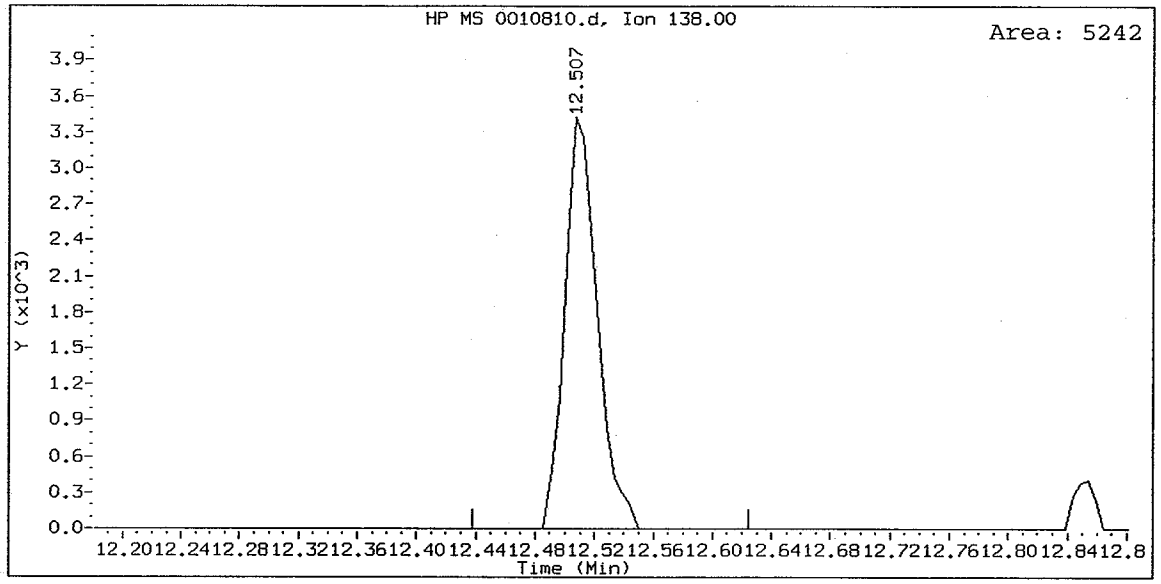

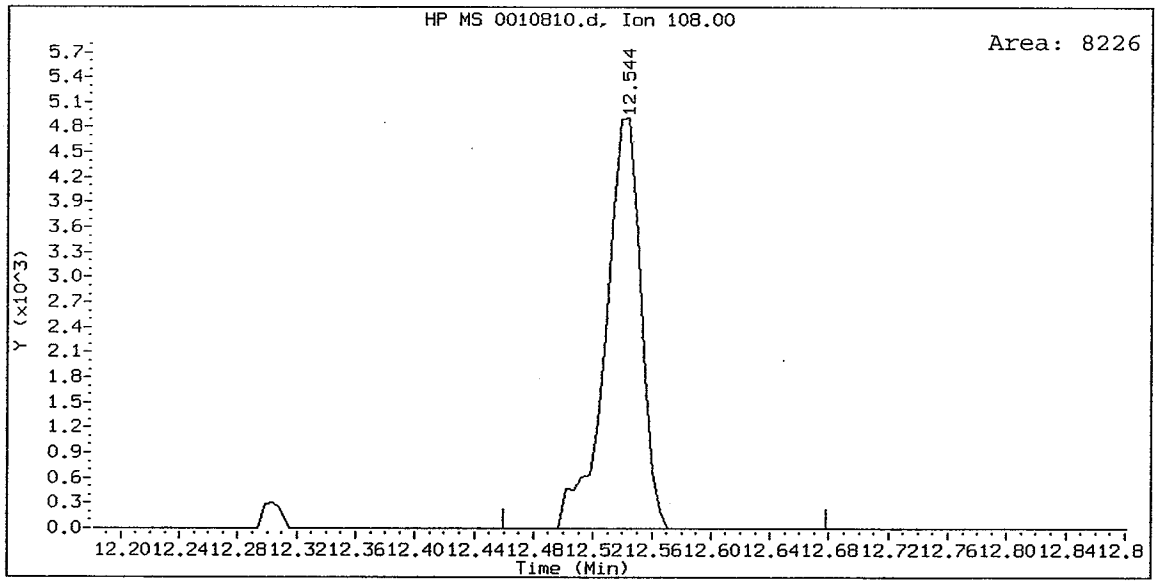

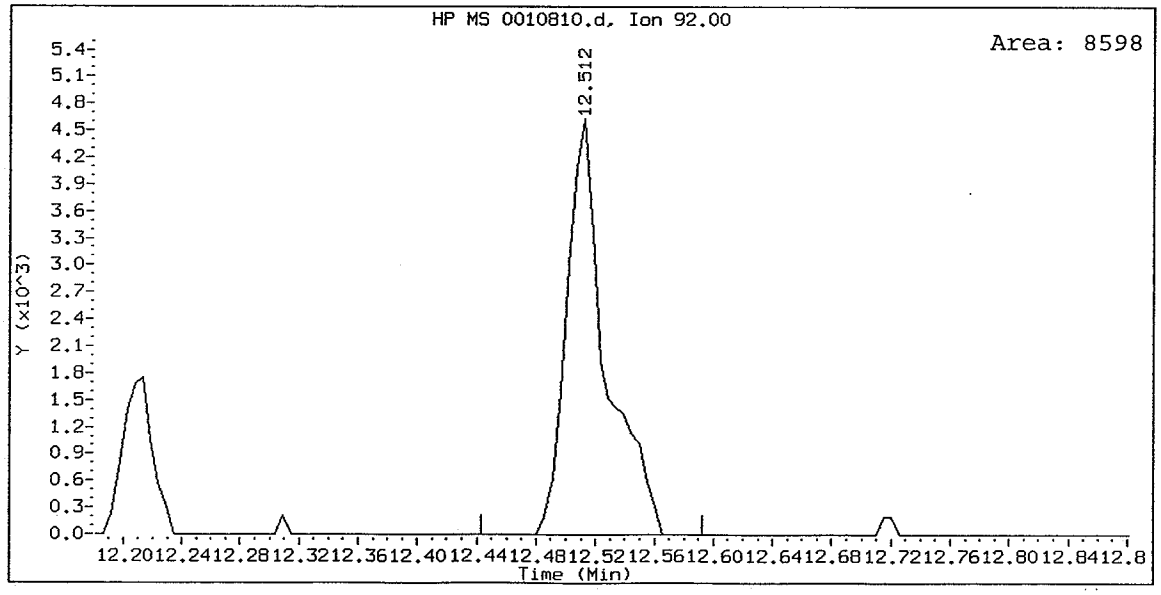

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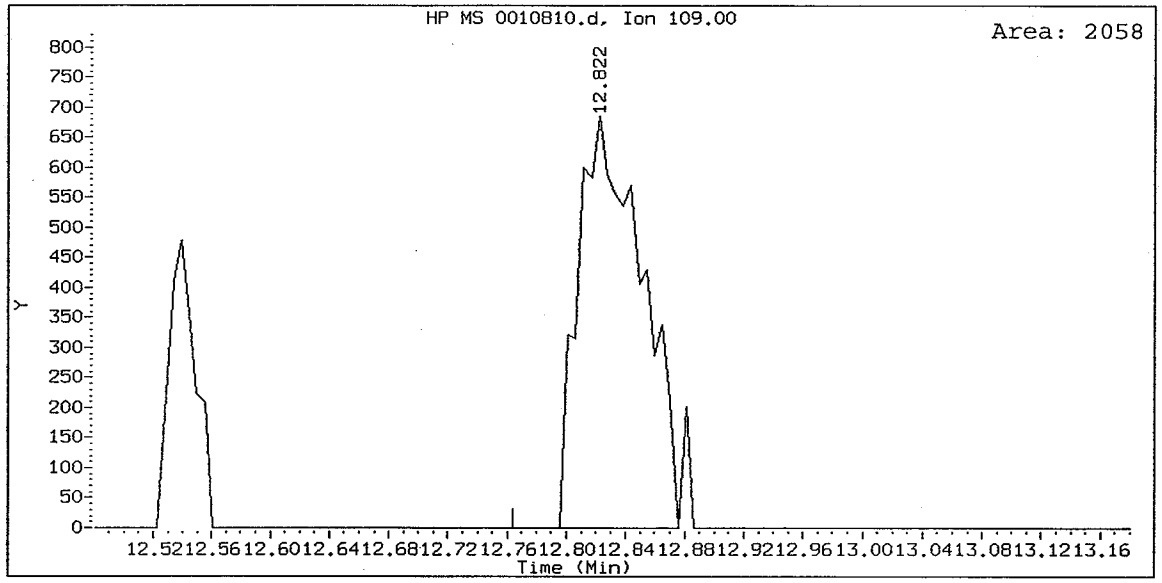
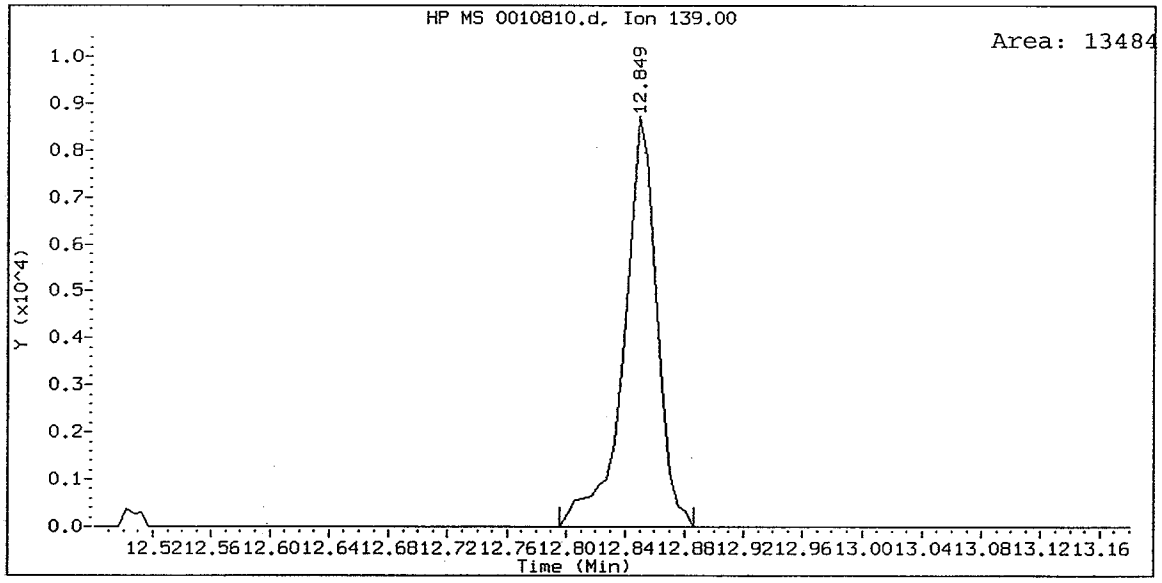
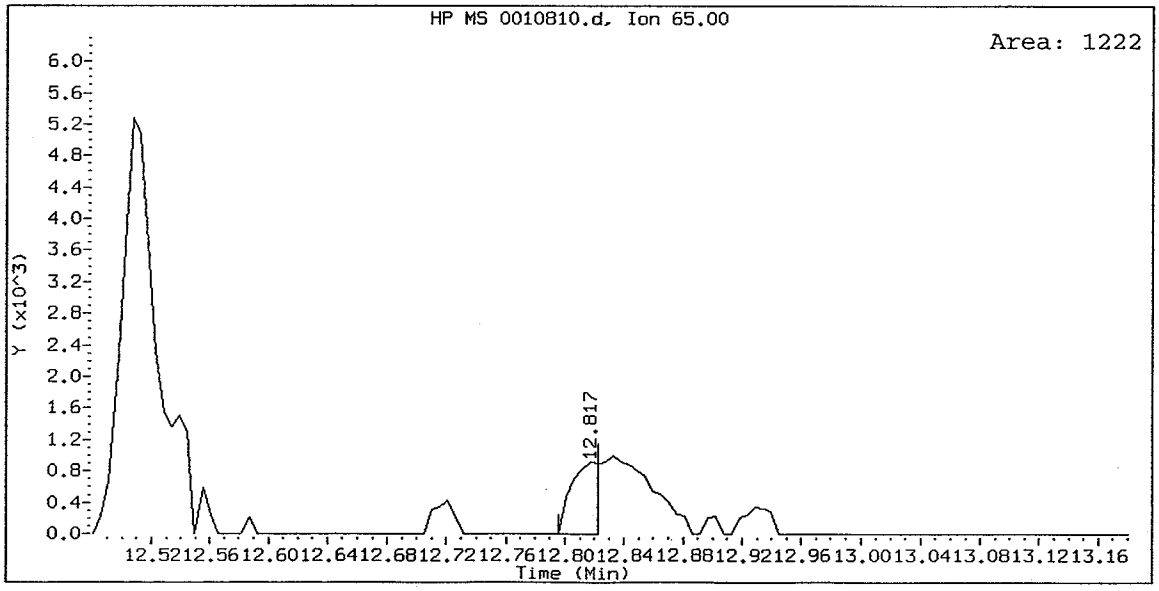
4-Nitrophenol Amount: 0.72







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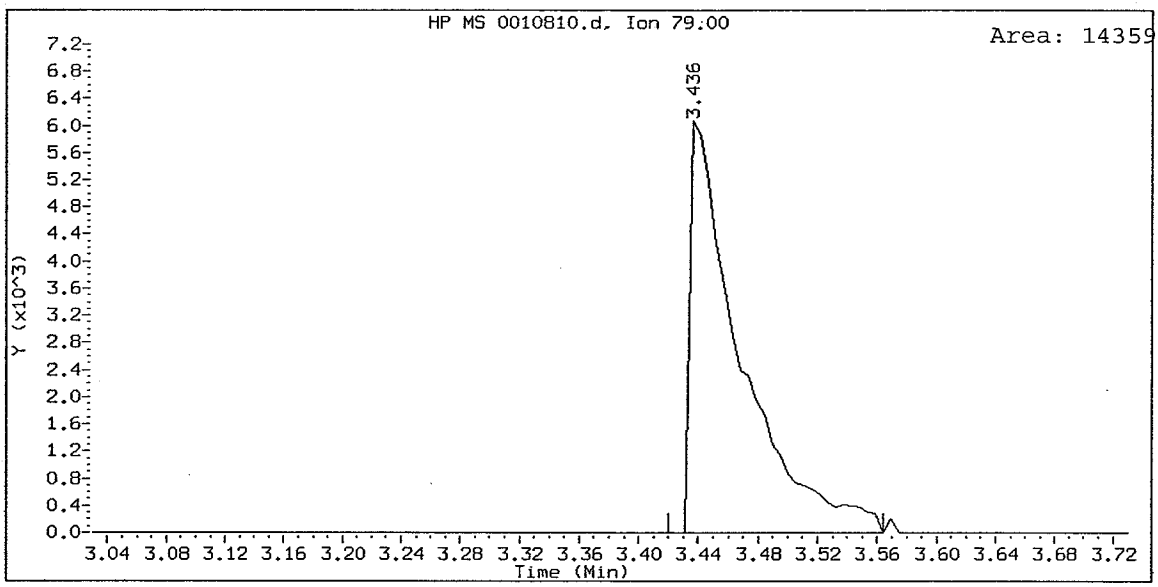
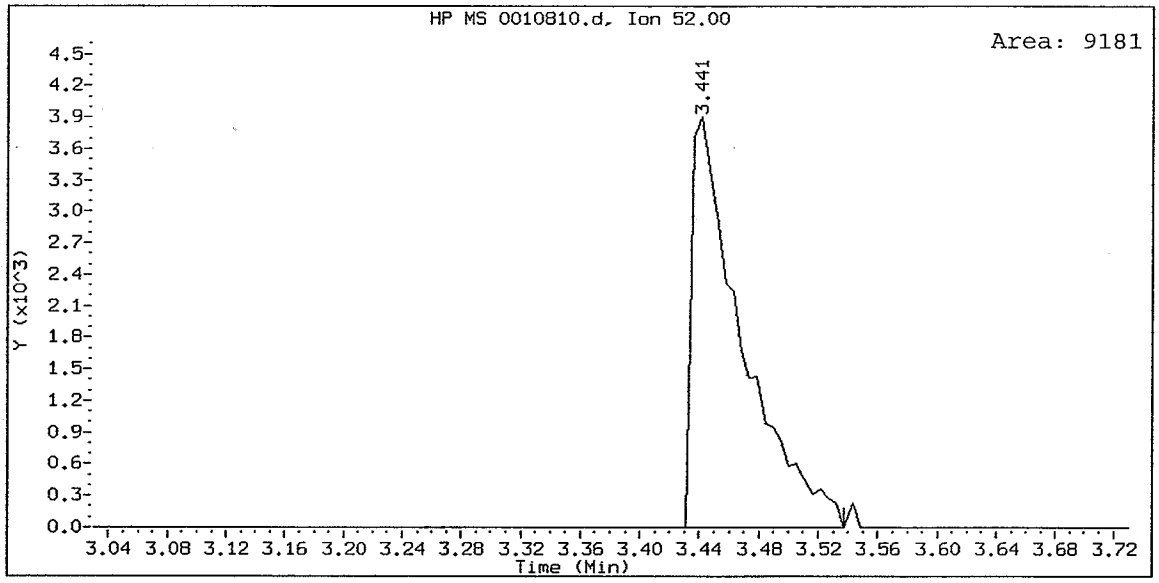
Pyridine Amount: 0.95





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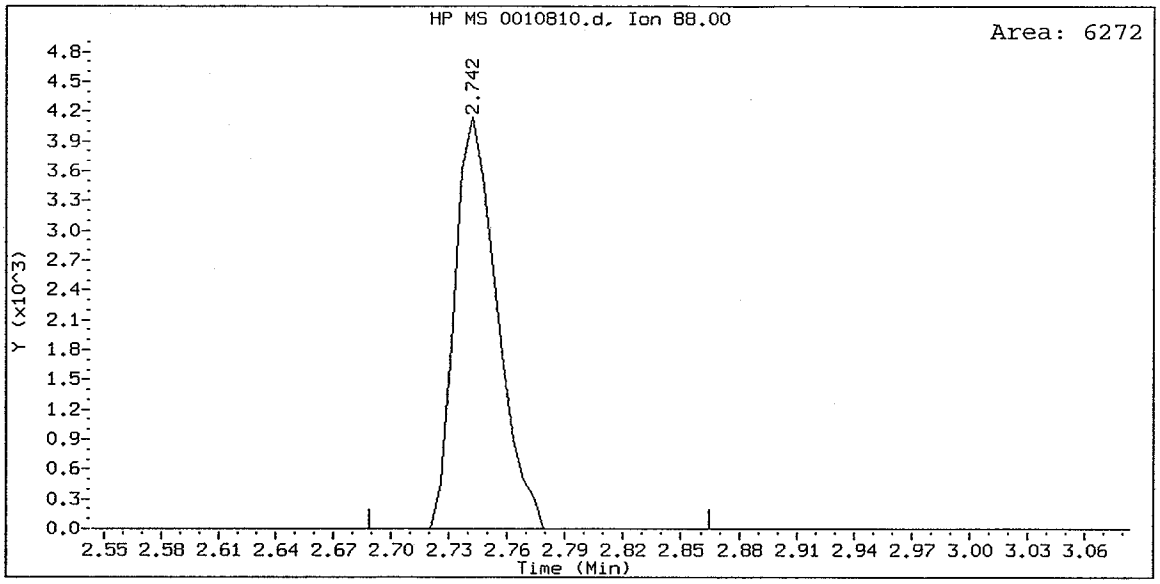
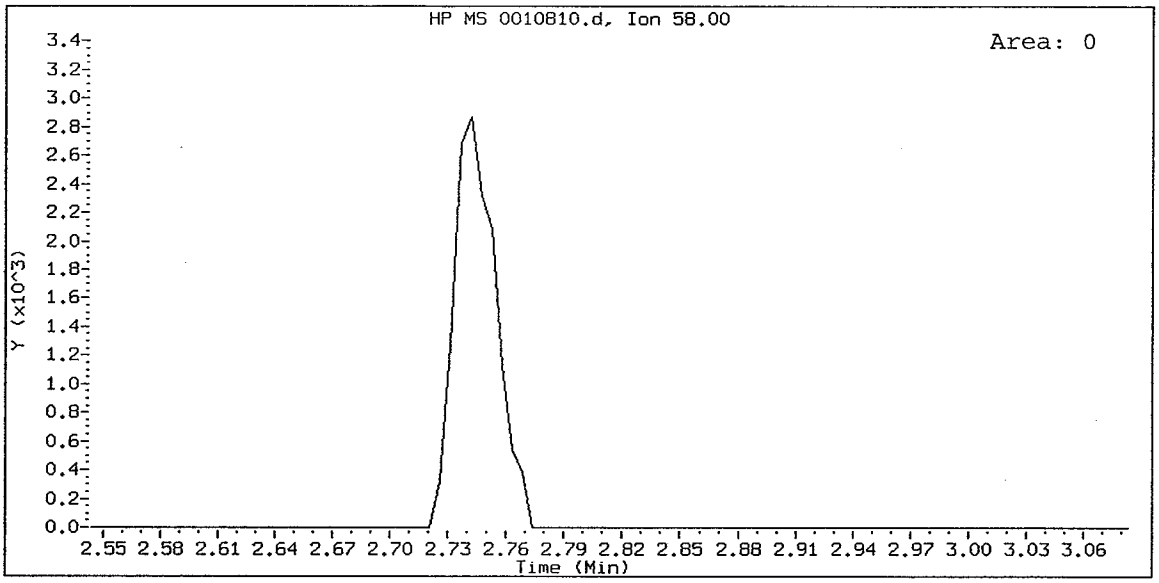
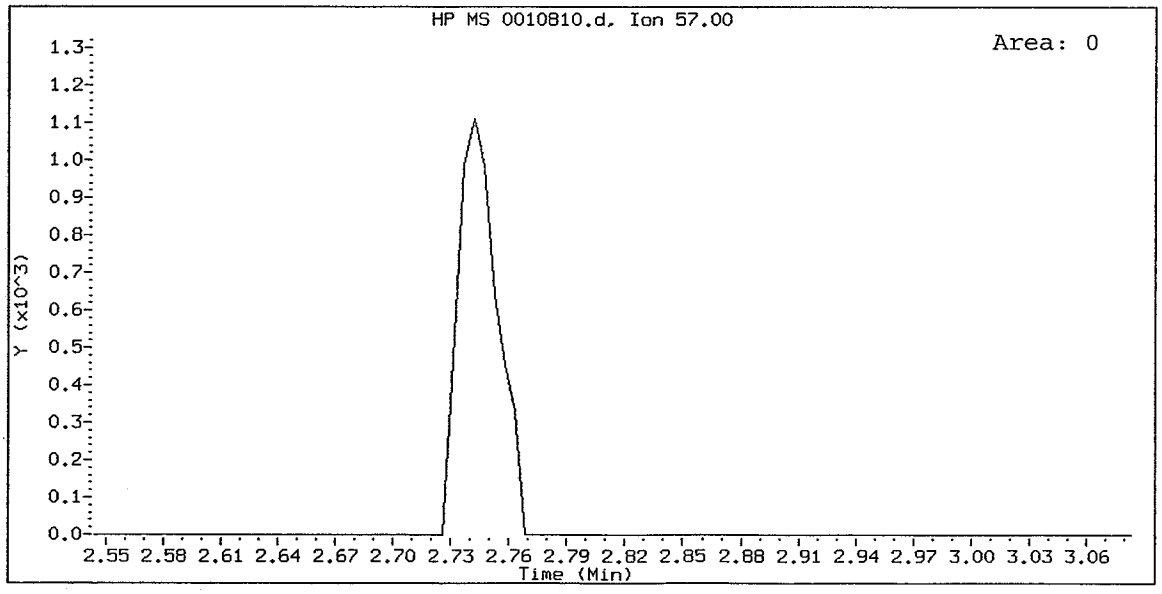
1,4-Dioxane Amount: 1.00







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0050810.d
Lab Smp Id: ABN 5
Inj Date : 10-AUG-2006 17:54
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 5
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:54
Cal File: 0050810.d
Als bottle: 5
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR
8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.735	5.749	(0.750)	67888	5.00000	5.468
$	2 Phenol-d5	99	7.199	7.223	(0.941)	82359	5.00000	5.716
	3 Phenol	94	7.215	7.245	(0.943)	95322	5.00000	5.640
$	5 2-Chlorophenol-d4	132	7.343	7.357	(0.960)	66171	5.00000	5.658
	4 Bis(2-Chloroethyl)ether	93	7.316	7.335	(0.957)	70458	5.00000	5.600
	6 2-Chlorophenol	128	7.370	7.384	(0.964)	63142	5.00000	5.669
	7 1,3-Dichlorobenzene	146	7.589	7.597	(0.992)	67123	5.00000	5.594
*	8 1,4-Dichlorobenzene-d4	152	7.647	7.656	(1.000)	160379	20.0000	
	9 1,4-Dichlorobenzene	146	7.674	7.683	(1.003)	67730	5.00000	5.615
$	10 1,2-Dichlorobenzene-d4	152	7.941	7.950	(1.038)	41877	5.00000	5.840
	12 1,2-Dichlorobenzene	146	7.963	7.971	(1.041)	63792	5.00000	5.671
	11 Benzyl alcohol	108	7.915	7.934	(1.035)	47718	5.00000	5.667
	14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.190	(1.070)	103744	5.00000	5.531
	13 2-Methylphenol	108	8.134	8.153	(1.064)	61141	5.00000	5.487
	17 Hexachloroethane	117	8.449	8.452	(1.105)	26833	5.00000	5.482
	16 N-Nitroso-di-n-propylamine	70	8.385	8.415	(1.096)	55544	5.00000	5.539
	15 4-Methylphenol	108	8.363	8.388	(1.094)	63487	5.00000	5.563
$	18 Nitrobenzene-d5	82	8.561	8.580	(0.885)	79066	5.00000	5.511
	19 Nitrobenzene	77	8.588	8.607	(0.888)	77051	5.00000	5.633
	20 Isophorone	82	8.967	8.992	(0.927)	136352	5.00000	5.627
	21 2-Nitrophenol	139	9.100	9.114	(0.941)	28774	5.00000	5.200
	22 2,4-Dimethylphenol	107	9.202	9.221	(0.951)	65153	5.00000	5.589
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.376	(0.967)	83260	5.00000	5.657
	24 Benzoic acid	105	9.336	9.547	(0.965)	76568	10.0000	11.44 (M)
	25 2,4-Dichlorophenol	162	9.474	9.494	(0.980)	44507	5.00000	5.526
	26 1,2,4-Trichlorobenzene	180	9.619	9.627	(0.994)	49862	5.00000	5.705
*	27 Naphthalene-d8	136	9.672	9.681	(1.000)	582950	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	9.704	9.718	(1.003)	175568	5.00000	5.841
	29 4-Chloroaniline	127	9.838	9.857	(1.017)	75471	5.00000	5.796
	30 Hexachlorobutadiene	225	10.025	10.028	(1.036)	24182	5.00000	5.753
	31 4-Chloro-3-methylphenol	107	10.644	10.658	(1.101)	54339	5.00000	5.586
	32 2-Methylnaphthalene	141	10.826	10.835	(1.119)	94302	5.00000	5.858
	33 Hexachlorocyclopentadiene	237	11.211	11.214	(0.894)	14564	5.00000	4.374
	34 2,4,6-Trichlorophenol	196	11.339	11.347	(0.904)	27066	5.00000	5.132
	35 2,4,5-Trichlorophenol	196	11.392	11.401	(0.908)	31248	5.00000	5.510
$	36 2-Fluorobiphenyl	172	11.472	11.481	(0.915)	120406	5.00000	5.865
	37 2-Chloronaphthalene	162	11.606	11.620	(0.925)	102952	5.00000	5.698
	38 2-Nitroaniline	65	11.830	11.850	(0.943)	38663	5.00000	5.420
	39 Dimethylphthalate	163	12.210	12.234	(0.974)	110217	5.00000	5.658
	40 Acenaphthylene	152	12.284	12.298	(0.980)	170066	5.00000	5.846
	41 2,6-Dinitrotoluene	165	12.306	12.325	(0.981)	22821	5.00000	5.382
*	42 Acenaphthene-d10	164	12.541	12.549	(1.000)	318769	20.0000	
	43 3-Nitroaniline	138	12.509	12.533	(0.997)	29721	5.00000	5.485
	44 Acenaphthene	153	12.594	12.608	(1.004)	103709	5.00000	5.710
	45 2,4-Dinitrophenol	184	12.685	12.699	(1.012)	2786	10.0000	3.313
	46 Dibenzofuran	168	12.851	12.870	(1.025)	142577	5.00000	5.894
	47 4-Nitrophenol	109	12.808	12.833	(1.021)	13574	5.00000	4.951
	48 2,4-Dinitrotoluene	165	12.931	12.950	(1.031)	28120	5.00000	5.087
	50 Diethylphthalate	149	13.369	13.393	(1.066)	112091	5.00000	5.648
	49 Fluorene	166	13.412	13.426	(1.069)	117952	5.00000	5.849
	51 4-Chlorophenyl-phenylether	204	13.438	13.447	(1.072)	52623	5.00000	5.882
	52 4-Nitroaniline	138	13.502	13.543	(1.077)	29707	5.00000	5.780
	53 4,6-Dinitro-2-methylphenol	198	13.588	13.618	(0.910)	11039	10.0000	6.052
	54 N-Nitrosodiphenylamine	169	13.641	13.661	(0.914)	54903	5.00000	5.710
$	55 2,4,6-Tribromophenol	330	13.839	13.853	(1.103)	11292	5.00000	5.022
	56 4-Bromophenyl-phenylether	248	14.224	14.238	(0.953)	26306	5.00000	5.796
	57 Hexachlorobenzene	284	14.448	14.457	(0.968)	28565	5.00000	5.747
	58 Pentachlorophenol	266	14.742	14.756	(0.987)	11678	5.00000	4.452
*	59 Phenanthrene-d10	188	14.929	14.937	(1.000)	461397	20.0000	
	60 Phenanthrene	178	14.961	14.980	(1.002)	161140	5.00000	5.880
	61 Anthracene	178	15.036	15.050	(1.007)	162619	5.00000	5.896
	62 Carbazole	167	15.319	15.333	(1.026)	154878	5.00000	5.886
	63 Di-n-butylphthalate	149	16.040	16.049	(1.074)	183513	5.00000	5.808
	64 Fluoranthene	202	16.911	16.925	(1.133)	159968	5.00000	5.875
	65 Pyrene	202	17.263	17.283	(0.896)	168024	5.00000	5.631
$	66 Terphenyl-d14	244	17.584	17.592	(0.913)	102214	5.00000	5.642
	67 Butylbenzylphthalate	149	18.465	18.479	(0.959)	80690	5.00000	5.462
	68 Benzo(a)anthracene	228	19.235	19.248	(0.999)	134146	5.00000	5.787
*	69 Chrysene-d12	240	19.261	19.275	(1.000)	350618	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.240	19.254	(0.999)	48074	5.00000	5.902
	71 Chrysene	228	19.299	19.323	(1.002)	134104	5.00000	5.742
	72 bis(2-Ethylhexyl)phthalate	149	19.470	19.473	(0.954)	110476	5.00000	5.408
*	134 Di-n-octylphthalate-d4	153	20.404	20.408	(1.000)	782539	20.0000	
	73 Di-n-octylphthalate	149	20.415	20.424	(1.001)	189263	5.00000	5.519

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	20.891	20.921	(0.975)	137448	5.00000	5.469
75 Benzo(k)fluoranthene	252	20.928	20.953	(0.977)	162281	5.00000	6.276
76 Benzo(a)pyrene	252	21.345	21.369	(0.996)	131878	5.00000	5.764
* 77 Perylene-d12	264	21.425	21.433	(1.000)	404038	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.969	23.009	(1.072)	164593	5.00000	5.742
79 Dibenzo(a,h)anthracene	278	22.995	23.036	(1.073)	138120	5.00000	5.814
80 Benzo(g,h,i)perylene	276	23.396	23.453	(1.092)	148607	5.00000	5.611
90 N-Nitrosodimethylamine	74	3.390	3.420	(0.443)	46512	5.00000	5.406
103 Pyridine	79	3.395	3.382	(0.444)	77892	5.00000	5.442
91 Aniline	93	7.204	7.218	(0.942)	111955	5.00000	5.911
105 1-methylnaphthalene	141	10.997	11.011	(1.137)	95591	5.00000	5.831
93 Benzidine	184	17.156	17.170	(0.891)	89393	5.00000	6.243
98 Retene	219	17.830	17.843	(0.926)	66872	5.00000	5.613
111 Azobenzene (1,2-DP-Hydrazine)	77	13.689	13.709	(1.092)	145851	5.00000	5.659
144 alpha-Terpineol	59	9.726	9.739	(1.006)	50128	5.00000	5.647
143 1,4-Dioxane	88	2.733	2.736	(0.357)	30917	5.00000	5.097 (M)
$ 137 d8-1,4-Dioxane	96	2.679	2.682	(0.350)	29111	5.00000	5.417
133 Butylatedhydroxytoluene	205	12.717	12.726	(1.014)	83444	5.00000	5.806
115 Tributyl Phosphate	99	13.737	13.762	(0.920)	151483	5.00000	5.651
116 Dibutyl Phenyl Phosphate	175	15.479	15.493	(1.037)	106588	5.00000	5.769
117 Butyl Diphenyl Phosphate	94	17.178	17.186	(0.892)	37217	5.00000	5.504
118 Triphenyl Phosphate	326	18.786	18.794	(0.975)	22225	5.00000	5.380

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: 0050810.d
Lab Smp Id: ABN 5
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	160379	4.63
27 Naphthalene-d8	566754	283377	1133508	582950	2.86
42 Acenaphthene-d10	308375	154188	616750	318769	3.37
59 Phenanthrene-d10	447684	223842	895368	461397	3.06
69 Chrysene-d12	331290	165645	662580	350618	5.83
134 Di-n-octylphthala	733535	366768	1467070	782539	6.68
77 Perylene-d12	403979	201990	807958	404038	0.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	-0.03
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.03
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.42	-0.04

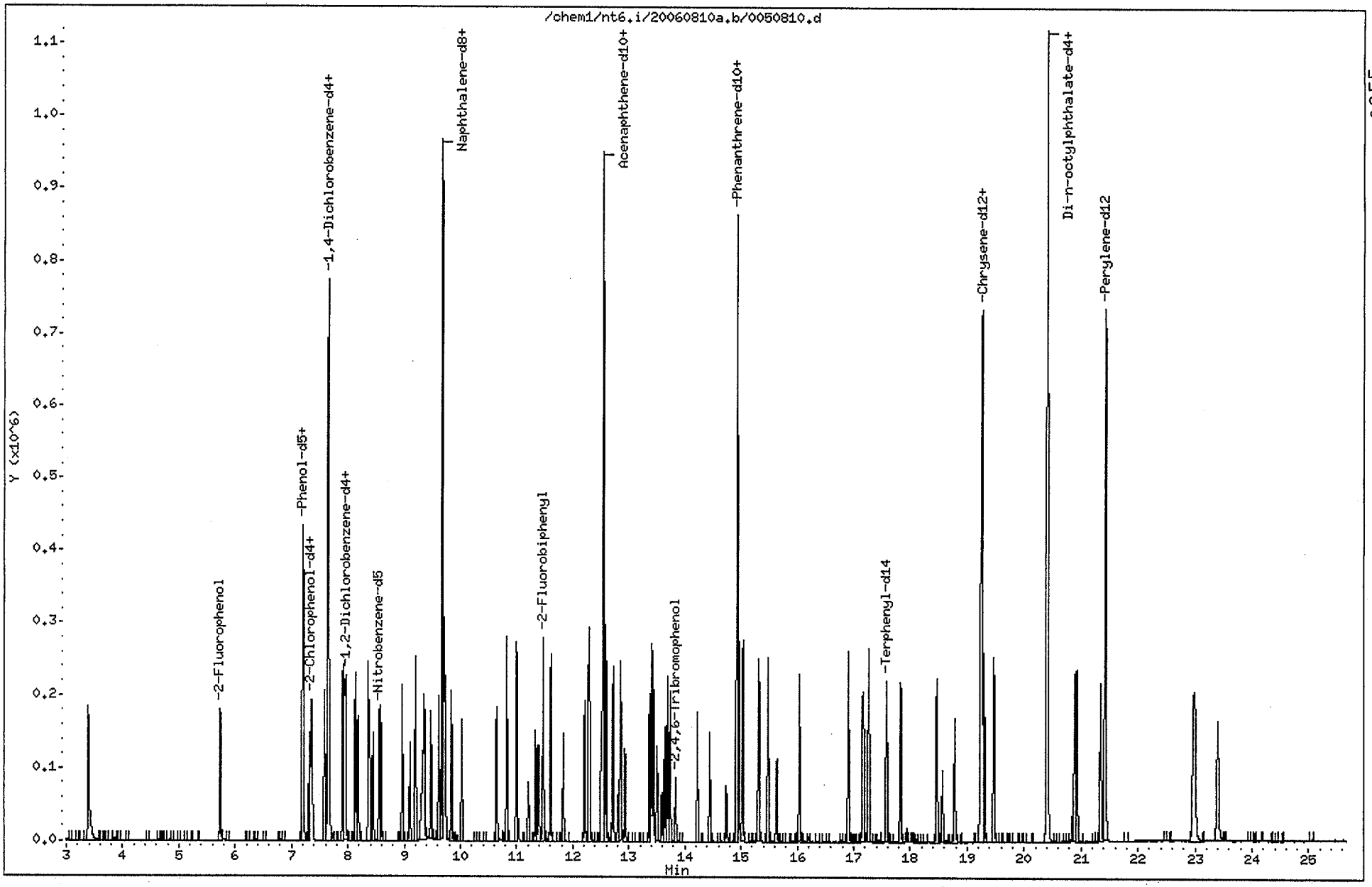
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0050810.d
Date : 10-AUG-2006 17:54
Client ID:
Sample Info: ABN 5

Column phase: ZB-5

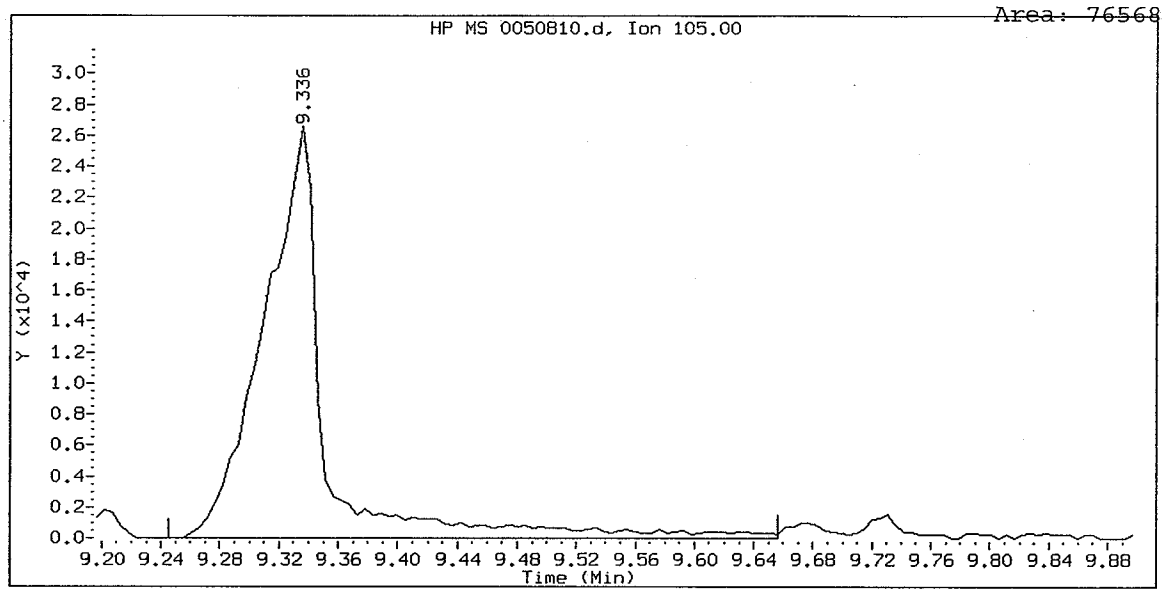
Instrument: nt6.i

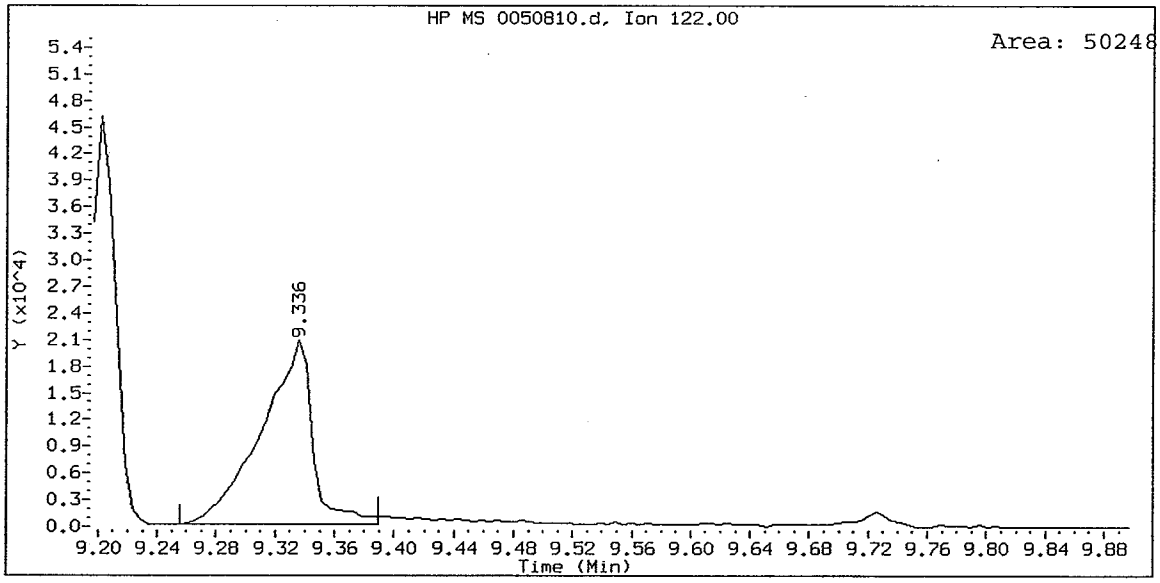
Operator: LJR
Column diameter: 0.32

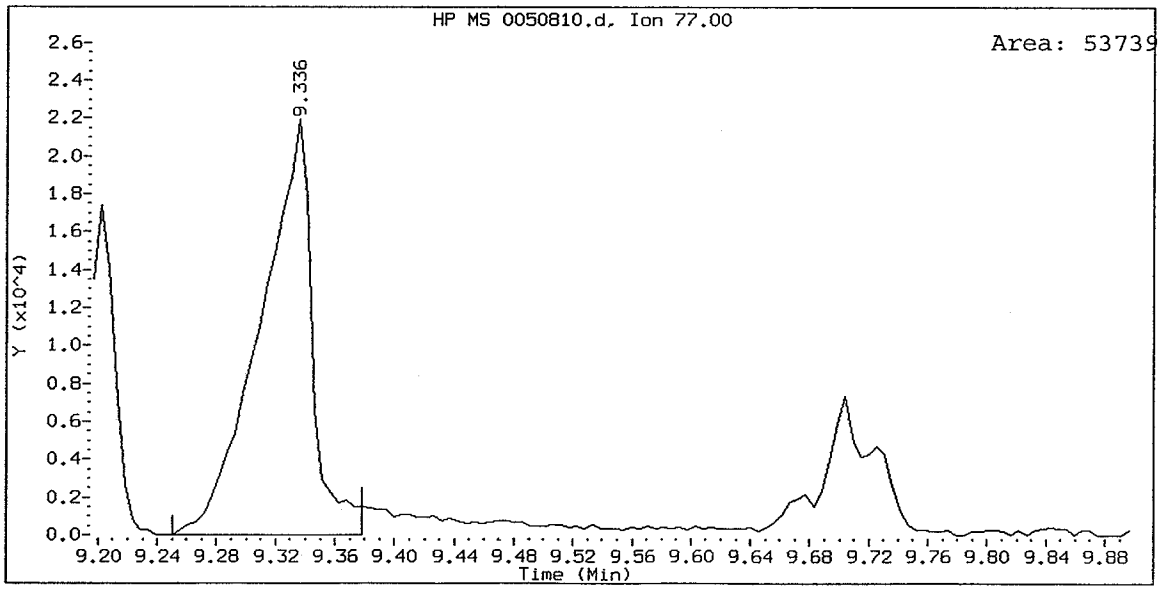


0855

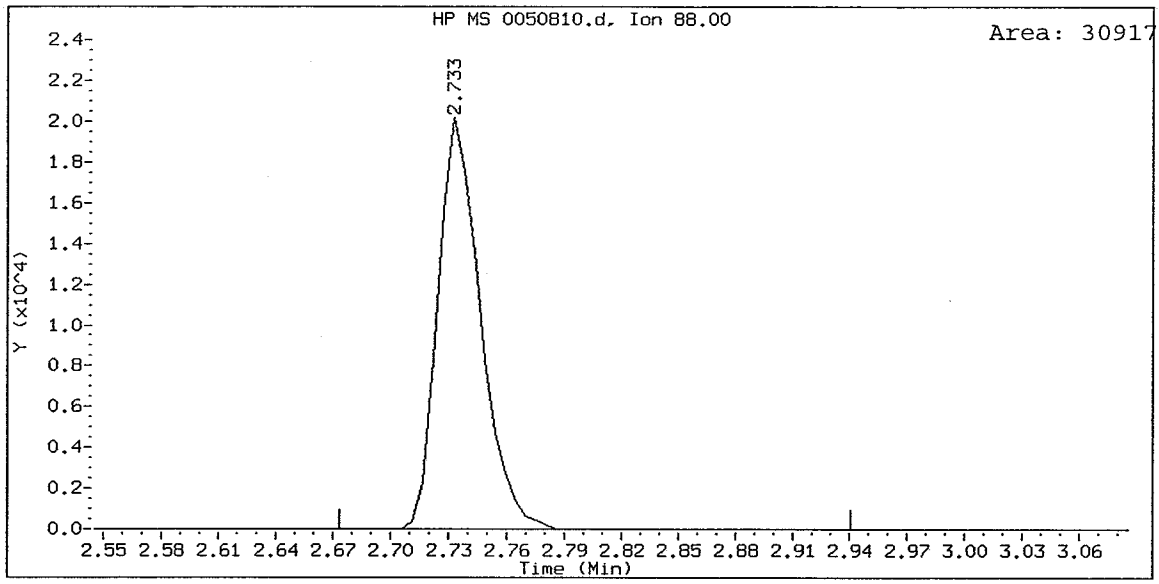
ABN 5, /chem1/nt6.i/20060810a.b/0050810.d
Benzoic acid Amount: 11.44

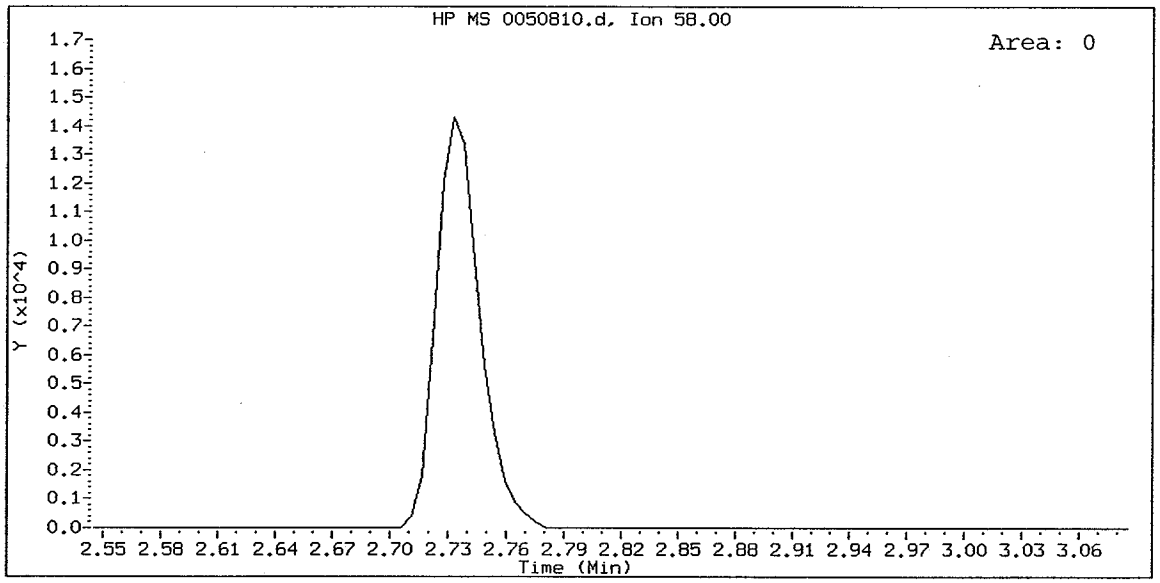


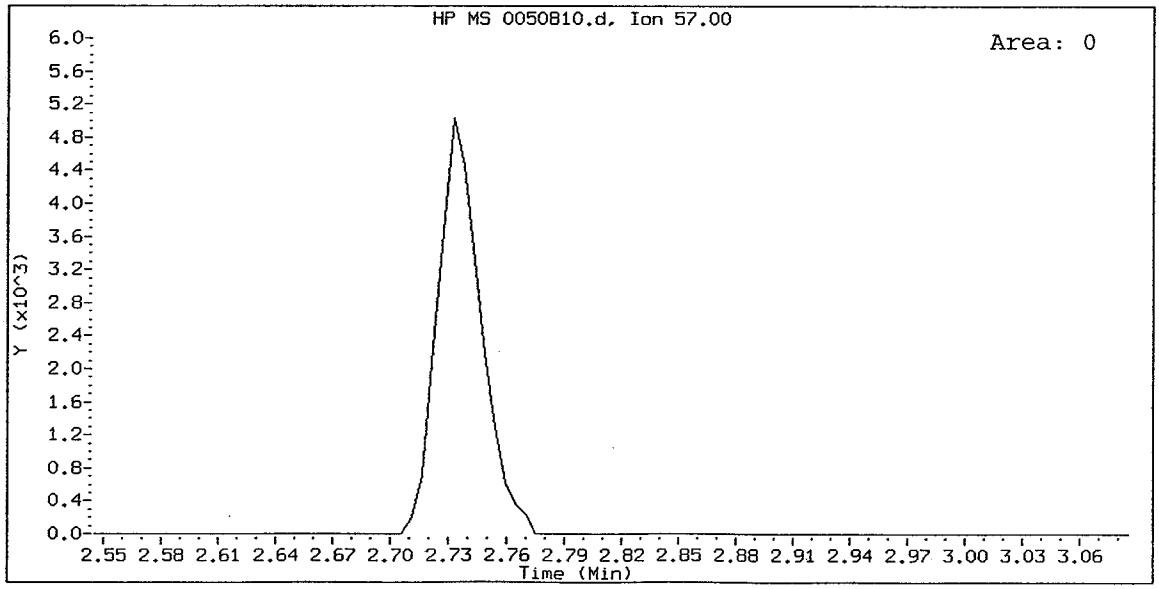




ABN 5, /chem1/nt6.i/20060810a.b/0050810.d
1,4-Dioxane Amount: 5.10







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0100810.d
Lab Smp Id: ABN 10
Inj Date : 10-AUG-2006 18:27
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 10
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 18:27 Cal File: 0100810.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.740	5.749	(0.751)	132749	10.0000	10.12
$	2 Phenol-d5	99	7.199	7.223	(0.941)	162045	10.0000	10.64
	3 Phenol	94	7.215	7.245	(0.943)	185864	10.0000	10.40
$	5 2-Chlorophenol-d4	132	7.348	7.357	(0.961)	129542	10.0000	10.48
	4 Bis(2-Chloroethyl)ether	93	7.321	7.335	(0.957)	132819	10.0000	9.986
	6 2-Chlorophenol	128	7.370	7.384	(0.964)	122470	10.0000	10.40
	7 1,3-Dichlorobenzene	146	7.589	7.597	(0.992)	126328	10.0000	9.960
*	8 1,4-Dichlorobenzene-d4	152	7.647	7.656	(1.000)	169520	20.0000	
	9 1,4-Dichlorobenzene	146	7.674	7.683	(1.003)	128315	10.0000	10.06
$	10 1,2-Dichlorobenzene-d4	152	7.941	7.950	(1.038)	81455	10.0000	10.75
	12 1,2-Dichlorobenzene	146	7.963	7.971	(1.041)	120590	10.0000	10.14
	11 Benzyl alcohol	108	7.914	7.934	(1.035)	89785	10.0000	10.09
	14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.190	(1.070)	193860	10.0000	9.779
	13 2-Methylphenol	108	8.139	8.153	(1.064)	123491	10.0000	10.48
	17 Hexachloroethane	117	8.449	8.452	(1.105)	51840	10.0000	10.02
	16 N-Nitroso-di-n-propylamine	70	8.390	8.415	(1.097)	104391	10.0000	9.849
	15 4-Methylphenol	108	8.363	8.388	(1.094)	126421	10.0000	10.48
$	18 Nitrobenzene-d5	82	8.561	8.580	(0.885)	155736	10.0000	10.26
	19 Nitrobenzene	77	8.588	8.607	(0.888)	144688	10.0000	9.993
	20 Isophorone	82	8.967	8.992	(0.927)	254326	10.0000	9.916
	21 2-Nitrophenol	139	9.106	9.114	(0.941)	60054	10.0000	10.25
	22 2,4-Dimethylphenol	107	9.202	9.221	(0.951)	129938	10.0000	10.53
	23 Bis(2-Chloroethoxy)methane	93	9.357	9.376	(0.967)	154632	10.0000	9.925
	24 Benzoic acid	105	9.373	9.547	(0.969)	163914	20.0000	22.86 (M)
	25 2,4-Dichlorophenol	162	9.480	9.494	(0.980)	89570	10.0000	10.51
	26 1,2,4-Trichlorobenzene	180	9.619	9.627	(0.994)	92959	10.0000	10.05
*	27 Naphthalene-d8	136	9.672	9.681	(1.000)	617059	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	9.704	9.718	(1.003)	324701	10.0000	10.21
	29 4-Chloroaniline	127	9.843	9.857	(1.018)	142177	10.0000	10.31
	30 Hexachlorobutadiene	225	10.025	10.028	(1.036)	45030	10.0000	10.12
	31 4-Chloro-3-methylphenol	107	10.644	10.658	(1.101)	107846	10.0000	10.47
	32 2-Methylnaphthalene	141	10.826	10.835	(1.119)	175780	10.0000	10.32
	33 Hexachlorocyclopentadiene	237	11.211	11.214	(0.894)	31852	10.0000	9.200
	34 2,4,6-Trichlorophenol	196	11.339	11.347	(0.904)	56855	10.0000	10.37
	35 2,4,5-Trichlorophenol	196	11.392	11.401	(0.908)	62317	10.0000	10.57
$	36 2-Fluorobiphenyl	172	11.472	11.481	(0.915)	229762	10.0000	10.77
	37 2-Chloronaphthalene	162	11.606	11.620	(0.925)	191306	10.0000	10.18
	38 2-Nitroaniline	65	11.836	11.850	(0.944)	73675	10.0000	9.934
	39 Dimethylphthalate	163	12.215	12.234	(0.974)	203479	10.0000	10.05
	40 Acenaphthylene	152	12.284	12.298	(0.980)	308116	10.0000	10.19
	41 2,6-Dinitrotoluene	165	12.306	12.325	(0.981)	43427	10.0000	9.851
*	42 Acenaphthene-d10	164	12.541	12.549	(1.000)	331422	20.0000	
	43 3-Nitroaniline	138	12.514	12.533	(0.998)	56390	10.0000	10.01
	44 Acenaphthene	153	12.594	12.608	(1.004)	192484	10.0000	10.19
	45 2,4-Dinitrophenol	184	12.680	12.699	(1.011)	10797	20.0000	12.35
	46 Dibenzofuran	168	12.856	12.870	(1.025)	257468	10.0000	10.24
	47 4-Nitrophenol	109	12.808	12.833	(1.021)	28506	10.0000	9.999
	48 2,4-Dinitrotoluene	165	12.931	12.950	(1.031)	56041	10.0000	9.751
	50 Diethylphthalate	149	13.374	13.393	(1.066)	206243	10.0000	9.995
	49 Fluorene	166	13.412	13.426	(1.069)	215329	10.0000	10.27
	51 4-Chlorophenyl-phenylether	204	13.438	13.447	(1.072)	93387	10.0000	10.04
	52 4-Nitroaniline	138	13.508	13.543	(1.077)	55500	10.0000	10.39
	53 4,6-Dinitro-2-methylphenol	198	13.588	13.618	(0.910)	31247	20.0000	16.50
	54 N-Nitrosodiphenylamine	169	13.641	13.661	(0.914)	99887	10.0000	10.01
$	55 2,4,6-Tribromophenol	330	13.839	13.853	(1.103)	23628	10.0000	10.11
	56 4-Bromophenyl-phenylether	248	14.224	14.238	(0.953)	47278	10.0000	10.03
	57 Hexachlorobenzene	284	14.448	14.457	(0.968)	50742	10.0000	9.834
	58 Pentachlorophenol	266	14.742	14.756	(0.987)	26383	10.0000	9.690
*	59 Phenanthrene-d10	188	14.929	14.937	(1.000)	478951	20.0000	
	60 Phenanthrene	178	14.961	14.980	(1.002)	288444	10.0000	10.14
	61 Anthracene	178	15.036	15.050	(1.007)	294419	10.0000	10.28
	62 Carbazole	167	15.319	15.333	(1.026)	277617	10.0000	10.16
	63 Di-n-butylphthalate	149	16.040	16.049	(1.074)	336550	10.0000	10.26
	64 Fluoranthene	202	16.911	16.925	(1.133)	286427	10.0000	10.13
	65 Pyrene	202	17.269	17.283	(0.897)	302497	10.0000	10.16
$	66 Terphenyl-d14	244	17.584	17.592	(0.913)	190939	10.0000	10.56
	67 Butylbenzylphthalate	149	18.465	18.479	(0.959)	146125	10.0000	9.914
	68 Benzo(a)anthracene	228	19.234	19.248	(0.999)	232581	10.0000	10.06
*	69 Chrysene-d12	240	19.261	19.275	(1.000)	349798	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.240	19.254	(0.999)	85475	10.0000	10.52
	71 Chrysene	228	19.299	19.323	(1.002)	231420	10.0000	9.932
	72 bis(2-Ethylhexyl)phthalate	149	19.470	19.473	(0.954)	201840	10.0000	9.913
*	134 Di-n-octylphthalate-d4	153	20.404	20.408	(1.000)	779942	20.0000	
	73 Di-n-octylphthalate	149	20.415	20.424	(1.001)	331926	10.0000	9.711

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	20.896	20.921	(0.975)	258994	10.0000	10.31
75 Benzo(k)fluoranthene	252	20.928	20.953	(0.977)	259191	10.0000	10.03
76 Benzo(a)pyrene	252	21.345	21.369	(0.996)	233432	10.0000	10.21
* 77 Perylene-d12	264	21.430	21.433	(1.000)	403781	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.974	23.009	(1.072)	286708	10.0000	10.01
79 Dibenzo(a,h)anthracene	278	22.995	23.036	(1.073)	241710	10.0000	10.18
80 Benzo(g,h,i)perylene	276	23.401	23.453	(1.092)	265418	10.0000	10.03
90 N-Nitrosodimethylamine	74	3.395	3.420	(0.444)	89098	10.0000	9.797
103 Pyridine	79	3.390	3.382	(0.443)	148937	10.0000	9.845
91 Aniline	93	7.204	7.218	(0.942)	206048	10.0000	10.29
105 1-methylnaphthalene	141	10.997	11.011	(1.137)	177186	10.0000	10.21
93 Benzidine	184	17.156	17.170	(0.891)	156805	10.0000	10.98
98 Retene	219	17.829	17.843	(0.926)	123154	10.0000	10.36
111 Azobenzene (1,2-DP-Hydrazine)	77	13.689	13.709	(1.092)	268384	10.0000	10.02
144 alpha-Terpineol	59	9.725	9.739	(1.006)	99365	10.0000	10.57
143 1,4-Dioxane	88	2.733	2.736	(0.357)	58809	10.0000	9.432 (M)
$ 137 d8-1,4-Dioxane	96	2.685	2.682	(0.351)	56037	10.0000	9.865
133 Butylatedhydroxytoluene	205	12.722	12.726	(1.014)	155648	10.0000	10.42
115 Tributyl Phosphate	99	13.737	13.762	(0.920)	290195	10.0000	10.43
116 Dibutyl Phenyl Phosphate	175	15.479	15.493	(1.037)	200891	10.0000	10.47
117 Butyl Diphenyl Phosphate	94	17.178	17.186	(0.892)	69958	10.0000	10.37
118 Triphenyl Phosphate	326	18.786	18.794	(0.975)	41259	10.0000	10.01

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: 0100810.d
Lab Smp Id: ABN 10
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	169520	10.59
27 Naphthalene-d8	566754	283377	1133508	617059	8.88
42 Acenaphthene-d10	308375	154188	616750	331422	7.47
59 Phenanthrene-d10	447684	223842	895368	478951	6.98
69 Chrysene-d12	331290	165645	662580	349798	5.59
134 Di-n-octylphthala	733535	366768	1467070	779942	6.33
77 Perylene-d12	403979	201990	807958	403781	-0.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	-0.03
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.03
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.01

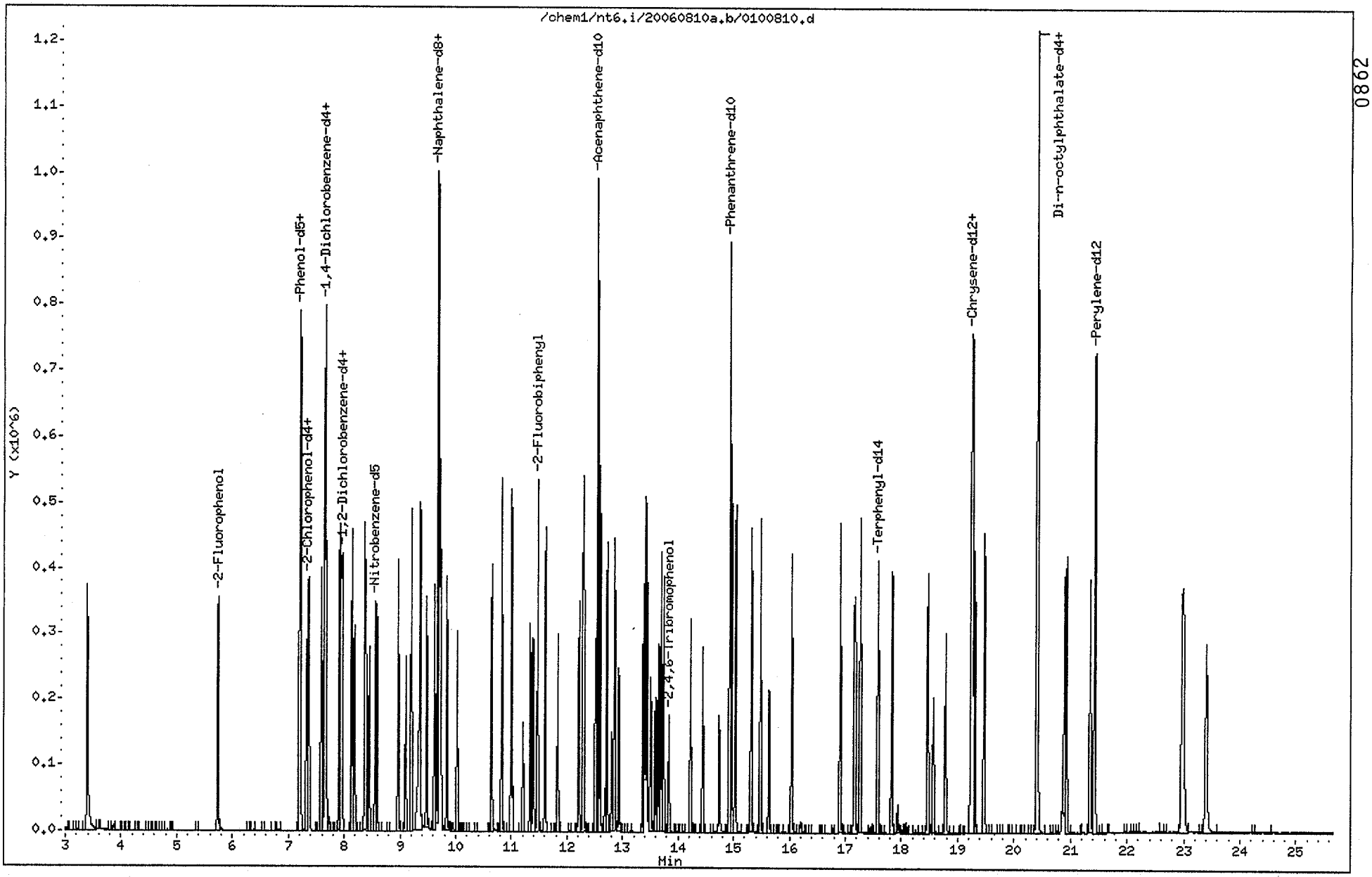
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0100810.d
Date : 10-AUG-2006 18:27
Client ID:
Sample Info: ABN 10

Column phase: ZB-5

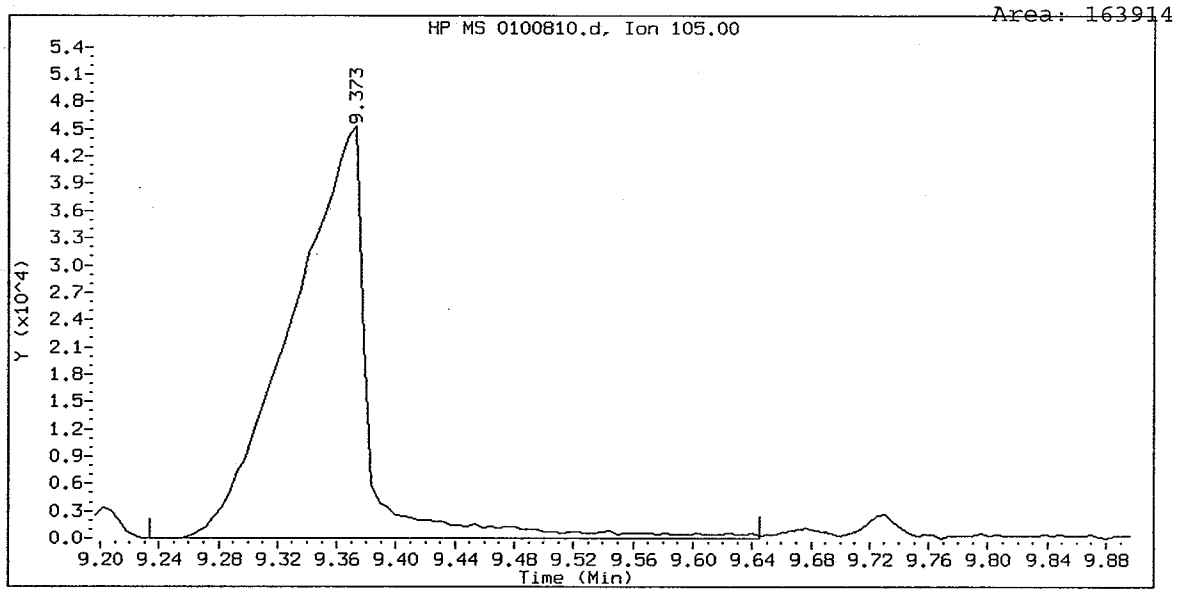
Instrument: nt6.i

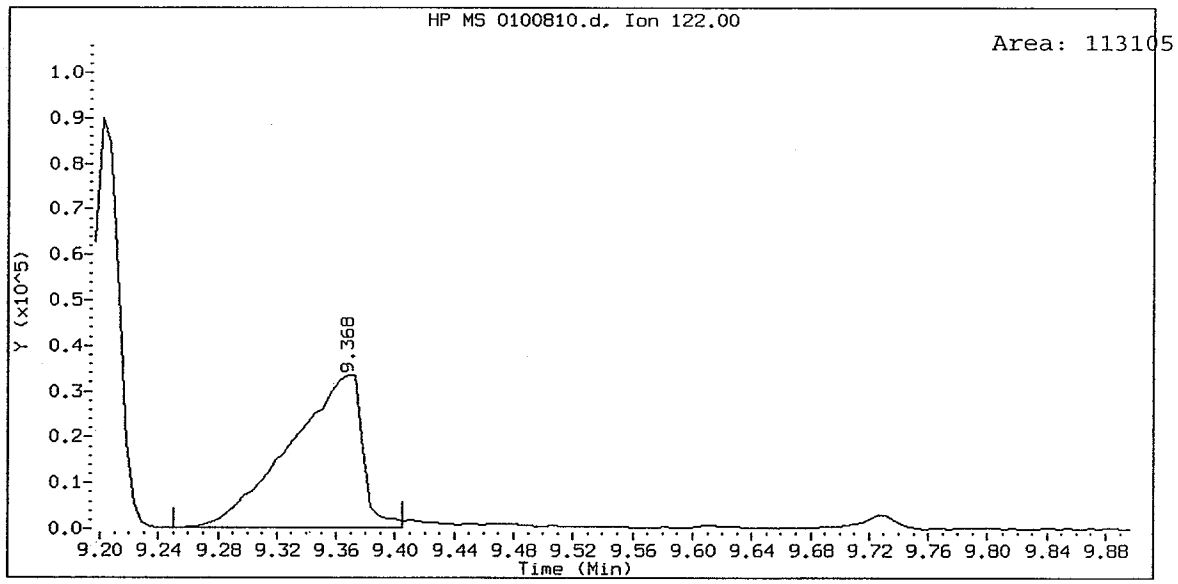
Operator: LJR
Column diameter: 0.32

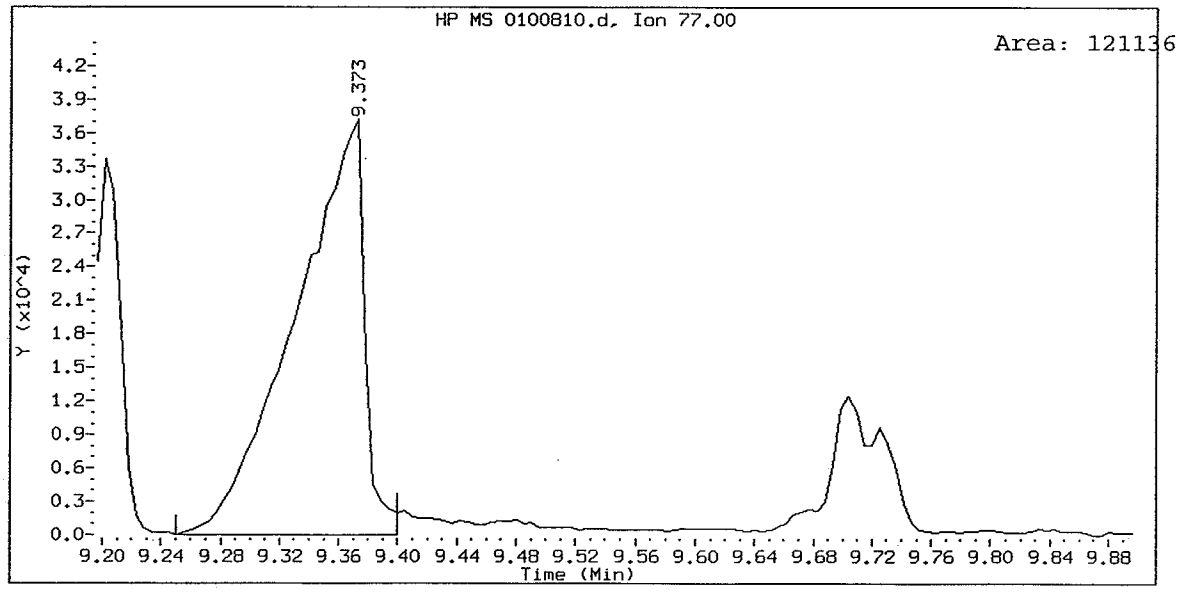


0862

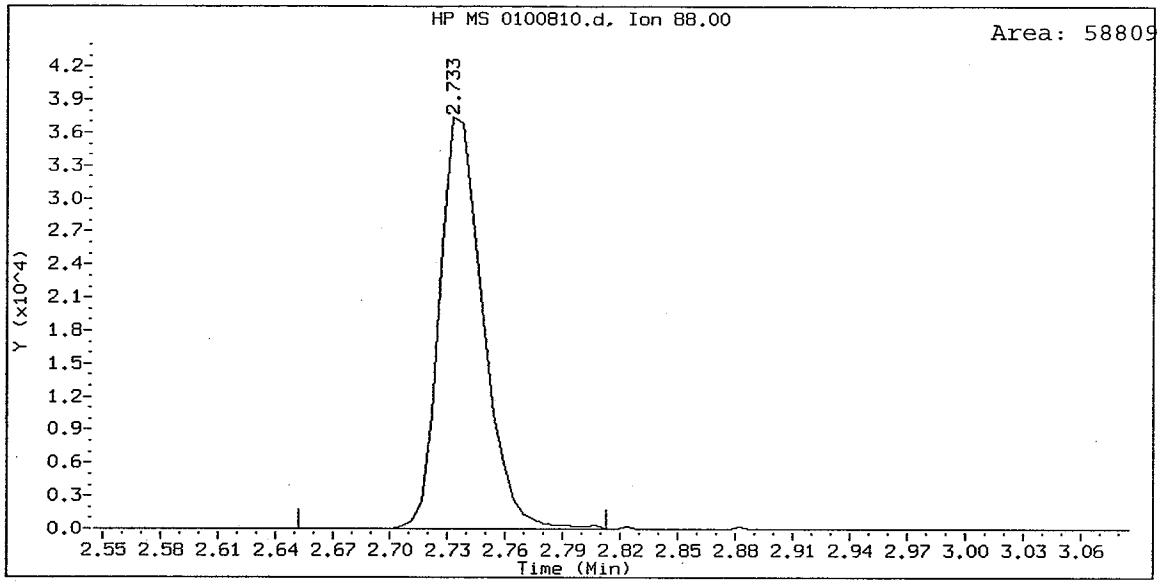
ABN 10, /chem1/nt6.i/20060810a.b/0100810.d
Benzoic acid Amount: 22.86

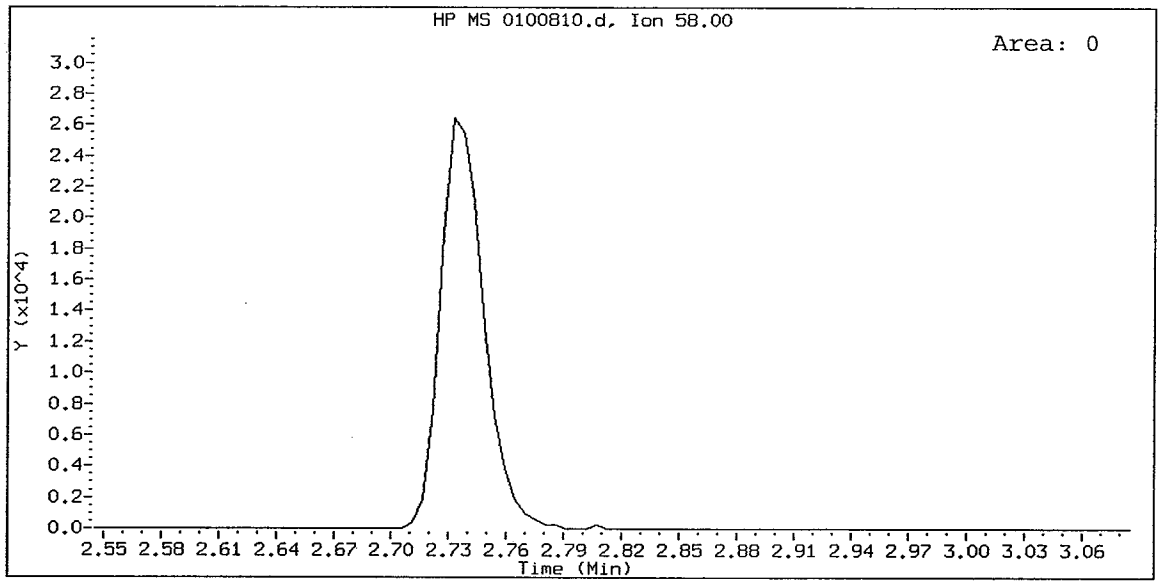


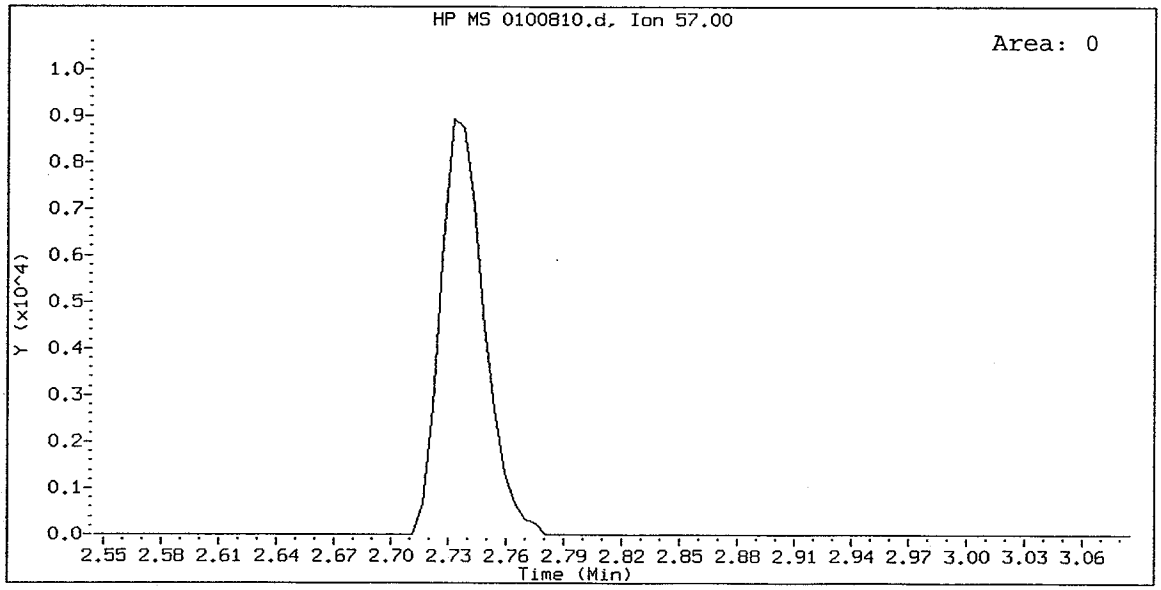




ABN 10, /chem1/nt6.i/20060810a.b/0100810.d
1,4-Dioxane Amount: 9.43







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0250810.d
Lab Smp Id: ABN 25
Inj Date : 10-AUG-2006 15:42
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 15:42
Cal File: 0250810.d
Als bottle: 1
Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.743	5.749	(0.751)	306751	25.0000	25.85
$	2 Phenol-d5	99	7.207	7.223	(0.942)	350472	25.0000	25.45
	3 Phenol	94	7.223	7.245	(0.944)	402538	25.0000	24.92
$	5 2-Chlorophenol-d4	132	7.351	7.357	(0.961)	287500	25.0000	25.72
	4 Bis(2-Chloroethyl)ether	93	7.324	7.335	(0.957)	304692	25.0000	25.34
	6 2-Chlorophenol	128	7.372	7.384	(0.964)	268285	25.0000	25.20
	7 1,3-Dichlorobenzene	146	7.591	7.597	(0.992)	288103	25.0000	25.12
*	8 1,4-Dichlorobenzene-d4	152	7.650	7.656	(1.000)	153289	20.0000	
	9 1,4-Dichlorobenzene	146	7.677	7.683	(1.003)	293001	25.0000	25.41
$	10 1,2-Dichlorobenzene-d4	152	7.944	7.950	(1.038)	175472	25.0000	25.60
	12 1,2-Dichlorobenzene	146	7.965	7.971	(1.041)	269590	25.0000	25.07
	11 Benzyl alcohol	108	7.917	7.934	(1.035)	204568	25.0000	25.42
	14 2,2'-oxybis(1-Chloropropane)	45	8.184	8.190	(1.070)	457391	25.0000	25.51
	13 2-Methylphenol	108	8.141	8.153	(1.064)	272516	25.0000	25.59
	17 Hexachloroethane	117	8.451	8.452	(1.105)	121250	25.0000	25.92
	16 N-Nitroso-di-n-propylamine	70	8.393	8.415	(1.097)	244209	25.0000	25.48
	15 4-Methylphenol	108	8.371	8.388	(1.094)	278536	25.0000	25.53
$	18 Nitrobenzene-d5	82	8.563	8.580	(0.885)	353089	25.0000	25.31
	19 Nitrobenzene	77	8.596	8.607	(0.888)	335395	25.0000	25.22
	20 Isophorone	82	8.975	8.992	(0.928)	590137	25.0000	25.05
	21 2-Nitrophenol	139	9.108	9.114	(0.941)	138572	25.0000	25.76
	22 2,4-Dimethylphenol	107	9.210	9.221	(0.952)	285323	25.0000	25.17
	23 Bis(2-Chloroethoxy)methane	93	9.359	9.376	(0.967)	355682	25.0000	24.86
	24 Benzoic acid	105	9.429	9.547	(0.975)	414361	50.0000	62.45 (M)
	25 2,4-Dichlorophenol	162	9.482	9.494	(0.980)	202724	25.0000	25.89
	26 1,2,4-Trichlorobenzene	180	9.621	9.627	(0.994)	212356	25.0000	24.99
*	27 Naphthalene-d8	136	9.675	9.681	(1.000)	566754	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	9.707	9.718	(1.003)	717423	25.0000	24.55
29 4-Chloroaniline	127	9.846	9.857	(1.018)	320508	25.0000	25.32
30 Hexachlorobutadiene	225	10.027	10.028	(1.036)	102382	25.0000	25.05
31 4-Chloro-3-methylphenol	107	10.647	10.658	(1.100)	240037	25.0000	25.38
32 2-Methylnaphthalene	141	10.829	10.835	(1.119)	388998	25.0000	24.85
33 Hexachlorocyclopentadiene	237	11.213	11.214	(0.894)	86101	25.0000	26.73
34 2,4,6-Trichlorophenol	196	11.341	11.347	(0.904)	131584	25.0000	25.79
35 2,4,5-Trichlorophenol	196	11.395	11.401	(0.908)	137528	25.0000	25.07
$ 36 2-Fluorobiphenyl	172	11.475	11.481	(0.915)	496207	25.0000	24.99
37 2-Chloronaphthalene	162	11.608	11.620	(0.925)	433617	25.0000	24.81
38 2-Nitroaniline	65	11.838	11.850	(0.944)	173440	25.0000	25.13
39 Dimethylphthalate	163	12.217	12.234	(0.974)	471049	25.0000	25.00
40 Acenaphthylene	152	12.292	12.298	(0.980)	697859	25.0000	24.80
41 2,6-Dinitrotoluene	165	12.314	12.325	(0.982)	104594	25.0000	25.50
* 42 Acenaphthene-d10	164	12.543	12.549	(1.000)	308375	20.0000	
43 3-Nitroaniline	138	12.517	12.533	(0.998)	133242	25.0000	25.42
44 Acenaphthene	153	12.597	12.608	(1.004)	433137	25.0000	24.65
45 2,4-Dinitrophenol	184	12.682	12.699	(1.011)	42018	50.0000	51.65
46 Dibenzofuran	168	12.859	12.870	(1.025)	570544	25.0000	24.38
47 4-Nitrophenol	109	12.816	12.833	(1.022)	68123	25.0000	25.68
48 2,4-Dinitrotoluene	165	12.939	12.950	(1.032)	136878	25.0000	25.60
50 Diethylphthalate	149	13.382	13.393	(1.067)	477392	25.0000	24.87
49 Fluorene	166	13.419	13.426	(1.070)	480543	25.0000	24.63
51 4-Chlorophenyl-phenylether	204	13.441	13.447	(1.072)	211159	25.0000	24.40
52 4-Nitroaniline	138	13.516	13.543	(1.077)	128739	25.0000	25.20(M)
53 4,6-Dinitro-2-methylphenol	198	13.596	13.618	(0.911)	96482	50.0000	54.52
54 N-Nitrosodiphenylamine	169	13.649	13.661	(0.914)	233518	25.0000	25.03
$ 55 2,4,6-Tribromophenol	330	13.841	13.853	(1.103)	55972	25.0000	25.73
56 4-Bromophenyl-phenylether	248	14.231	14.238	(0.953)	112034	25.0000	25.44
57 Hexachlorobenzene	284	14.451	14.457	(0.968)	120552	25.0000	25.00
58 Pentachlorophenol	266	14.744	14.756	(0.987)	71244	25.0000	27.73(M)
* 59 Phenanthrene-d10	188	14.931	14.937	(1.000)	447684	20.0000	
60 Phenanthrene	178	14.969	14.980	(1.002)	651621	25.0000	24.51
61 Anthracene	178	15.038	15.050	(1.007)	666790	25.0000	24.91
62 Carbazole	167	15.321	15.333	(1.026)	622007	25.0000	24.36
63 Di-n-butylphthalate	149	16.042	16.049	(1.074)	778810	25.0000	25.40
64 Fluoranthene	202	16.913	16.925	(1.133)	666202	25.0000	25.22
65 Pyrene	202	17.271	17.283	(0.897)	695032	25.0000	24.65
$ 66 Terphenyl-d14	244	17.586	17.592	(0.913)	429798	25.0000	25.11
67 Butylbenzylphthalate	149	18.473	18.479	(0.959)	354158	25.0000	25.37
68 Benzo(a)anthracene	228	19.237	19.248	(0.999)	541582	25.0000	24.72
* 69 Chrysene-d12	240	19.264	19.275	(1.000)	331290	20.0000	
70 3,3'-Dichlorobenzidine	252	19.248	19.254	(0.999)	197005	25.0000	25.60
71 Chrysene	228	19.306	19.323	(1.002)	548982	25.0000	24.88
72 bis(2-Ethylhexyl)phthalate	149	19.472	19.473	(0.954)	492467	25.0000	25.72
* 134 Di-n-octylphthalate-d4	153	20.407	20.408	(1.000)	733535	20.0000	
73 Di-n-octylphthalate	149	20.418	20.424	(1.001)	804902	25.0000	25.04

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	20.904	20.921	(0.975)	641872	25.0000	25.55
75 Benzo(k)fluoranthene	252	20.936	20.953	(0.977)	602328	25.0000	23.30
76 Benzo(a)pyrene	252	21.353	21.369	(0.996)	573656	25.0000	25.08
* 77 Perylene-d12	264	21.433	21.433	(1.000)	403979	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.982	23.009	(1.072)	708246	25.0000	24.71
79 Dibenzo(a,h)anthracene	278	23.009	23.036	(1.074)	587211	25.0000	24.72
80 Benzo(g,h,i)perylene	276	23.415	23.453	(1.092)	651536	25.0000	24.61
90 N-Nitrosodimethylamine	74	3.398	3.420	(0.444)	209182	25.0000	25.44
103 Pyridine	79	3.382	3.382	(0.442)	353411	25.0000	25.83
91 Aniline	93	7.212	7.218	(0.943)	460833	25.0000	25.46
105 1-methylnaphthalene	141	10.999	11.011	(1.137)	397335	25.0000	24.93
93 Benzidine	184	17.164	17.170	(0.891)	333995	25.0000	24.69
98 Retene	219	17.837	17.843	(0.926)	281720	25.0000	25.03
111 Azobenzene (1,2-DP-Hydrazine)	77	13.692	13.709	(1.092)	622849	25.0000	24.98
144 alpha-Terpineol	59	9.733	9.739	(1.006)	215963	25.0000	25.02
143 1,4-Dioxane	88	2.730	2.736	(0.357)	138219	25.0000	24.64 (M)
$ 137 d8-1,4-Dioxane	96	2.682	2.682	(0.351)	131145	25.0000	25.53
133 Butylatedhydroxytoluene	205	12.720	12.726	(1.014)	344486	25.0000	24.78
115 Tributyl Phosphate	99	13.745	13.762	(0.921)	666145	25.0000	25.61
116 Dibutyl Phenyl Phosphate	175	15.487	15.493	(1.037)	459758	25.0000	25.65
117 Butyl Diphenyl Phosphate	94	17.180	17.186	(0.892)	162140	25.0000	25.38
118 Triphenyl Phosphate	326	18.788	18.794	(0.975)	99790	25.0000	25.56

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: 0250810.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	153289	0.00
27 Naphthalene-d8	566754	283377	1133508	566754	0.00
42 Acenaphthene-d10	308375	154188	616750	308375	0.00
59 Phenanthrene-d10	447684	223842	895368	447684	0.00
69 Chrysene-d12	331290	165645	662580	331290	0.00
134 Di-n-octylphthala	733535	366768	1467070	733535	0.00
77 Perylene-d12	403979	201990	807958	403979	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.00

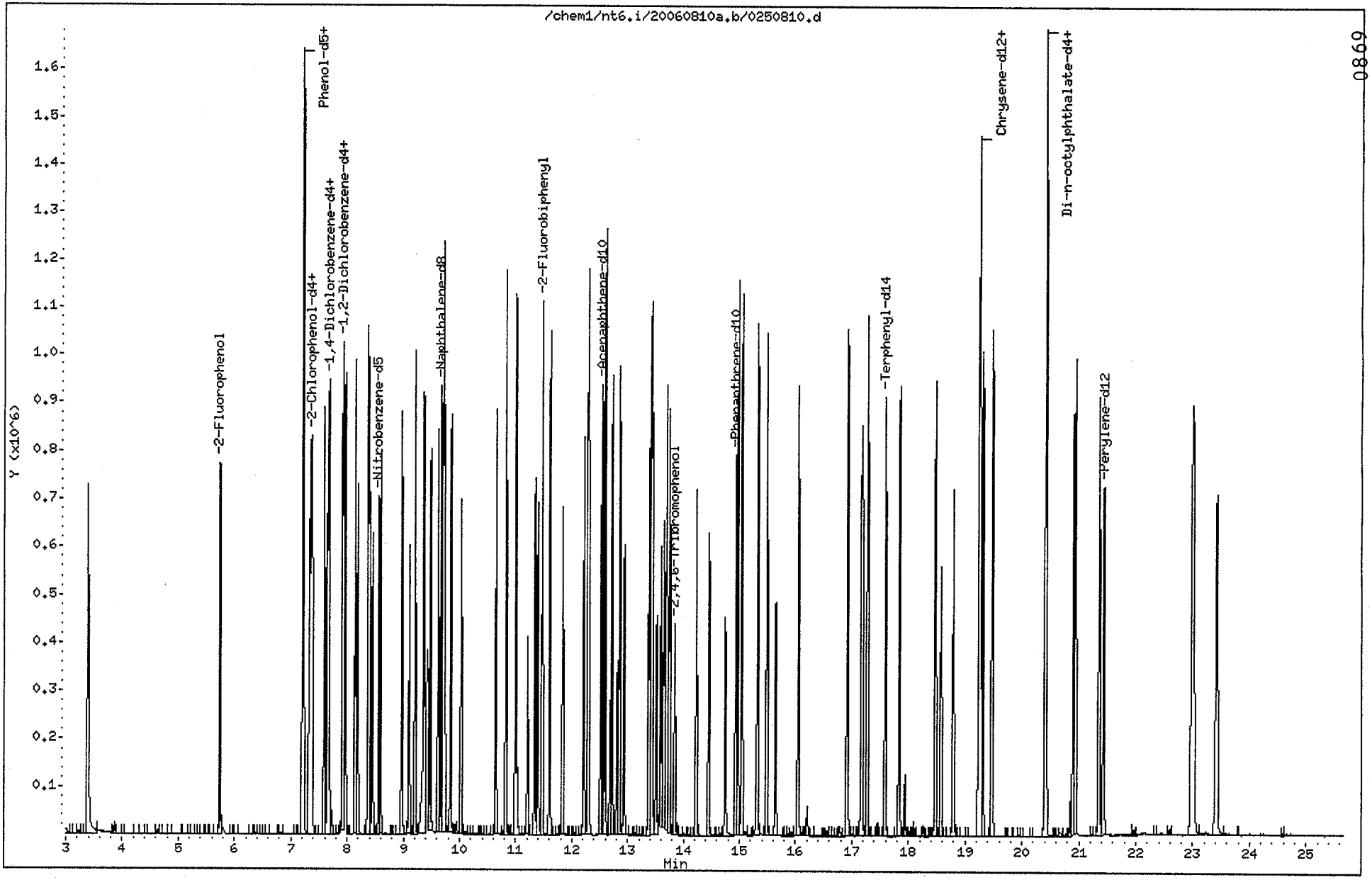
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0250810.d
Date : 10-AUG-2006 15:42
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/20060810a.b/0250810.d
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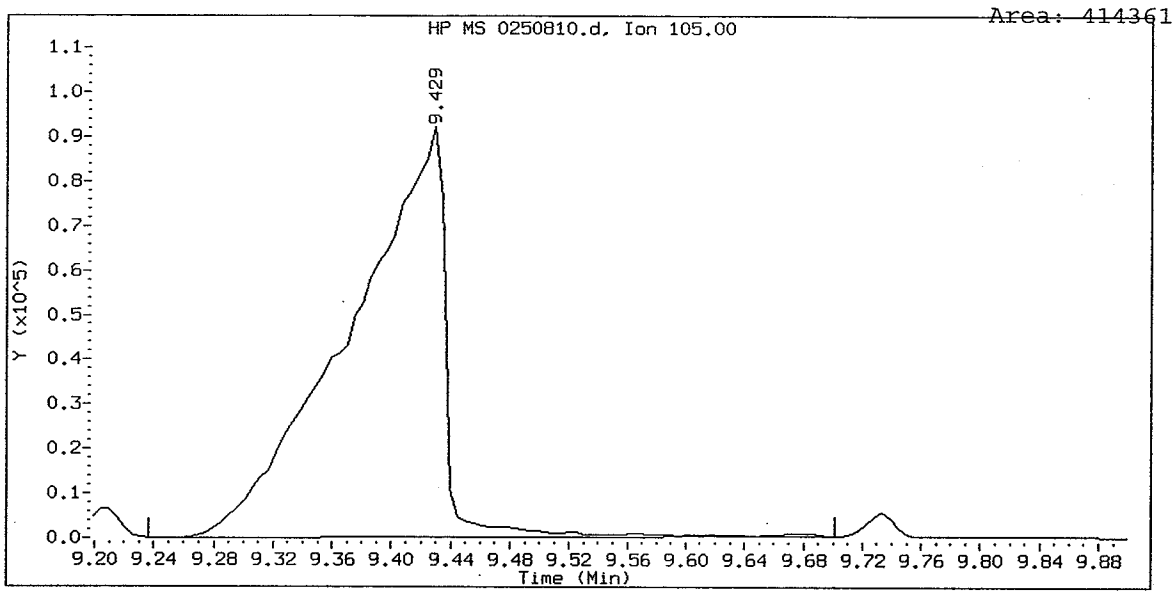
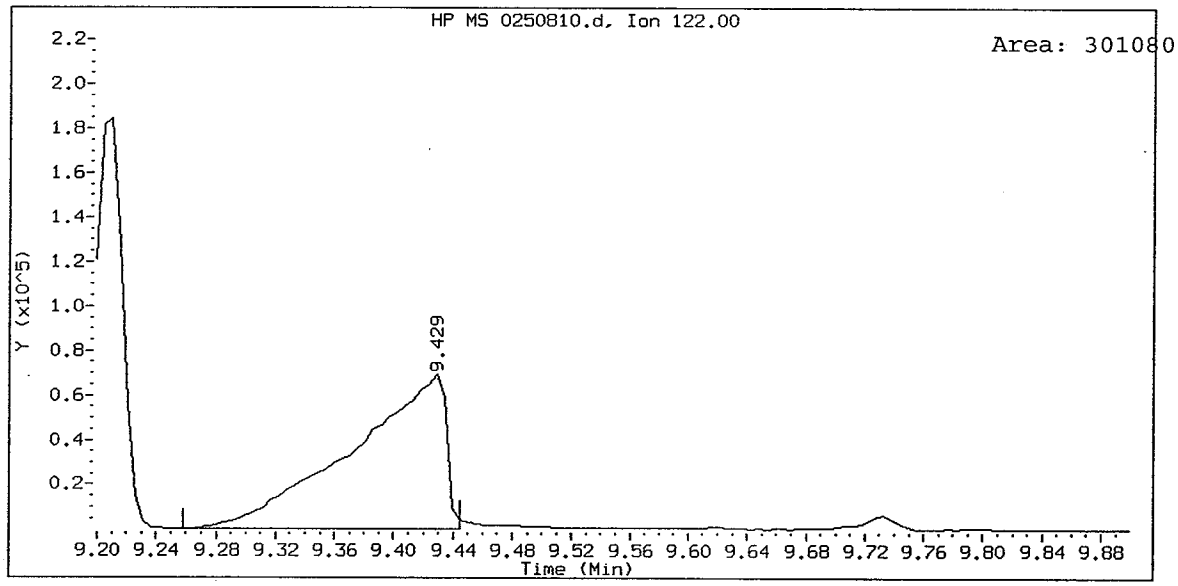
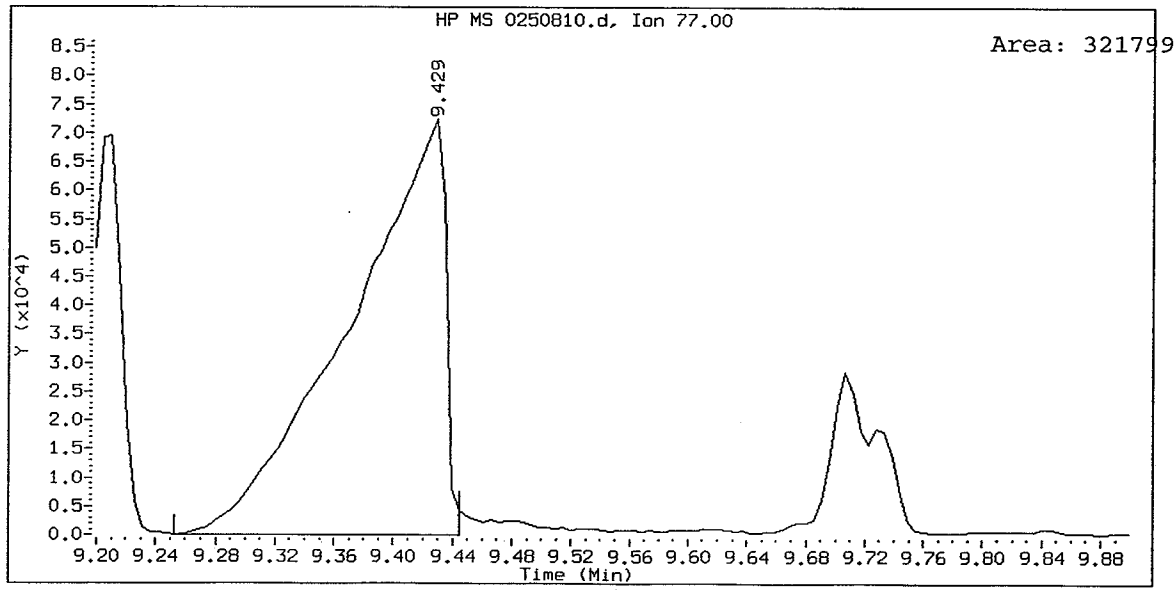
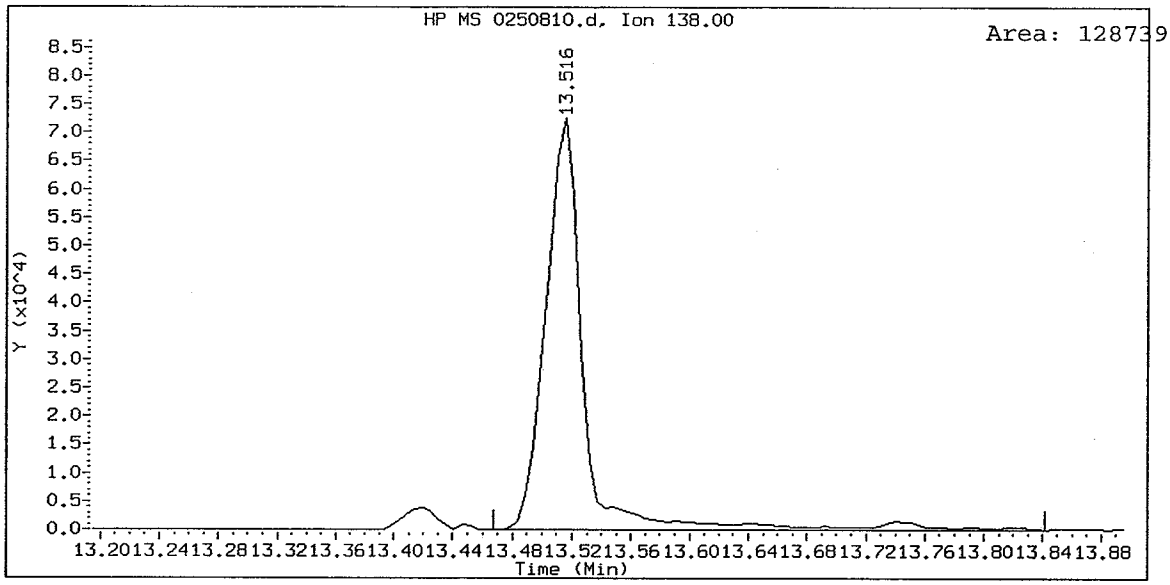
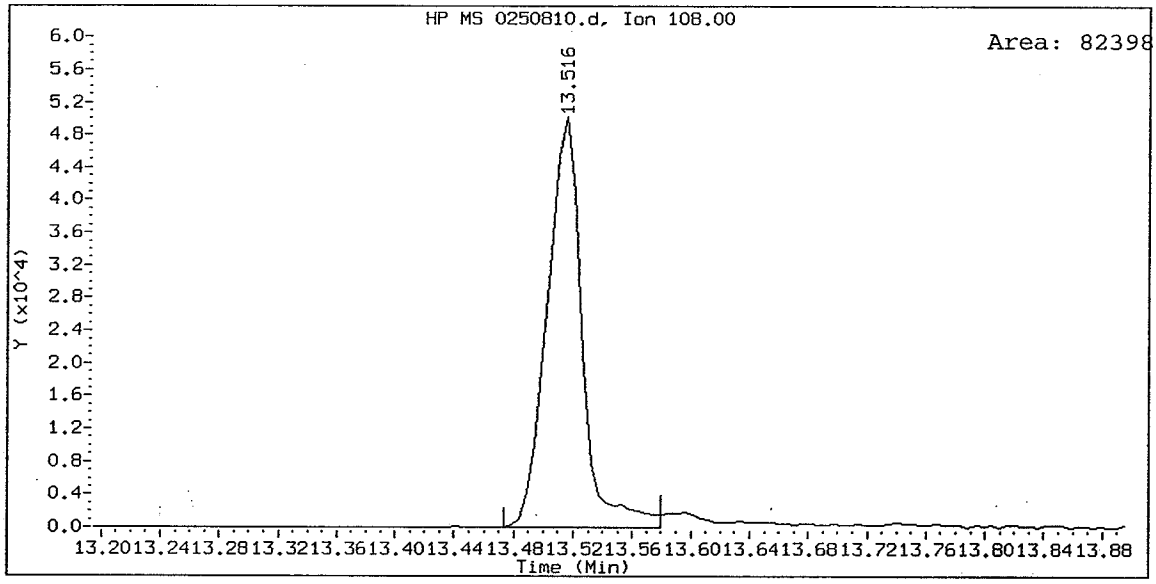


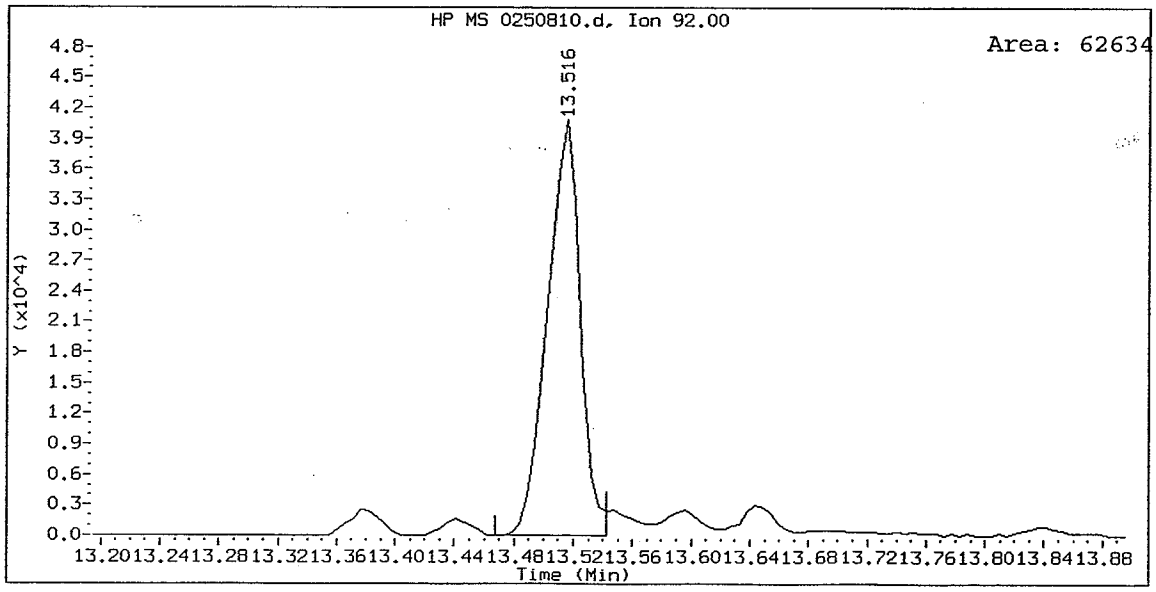




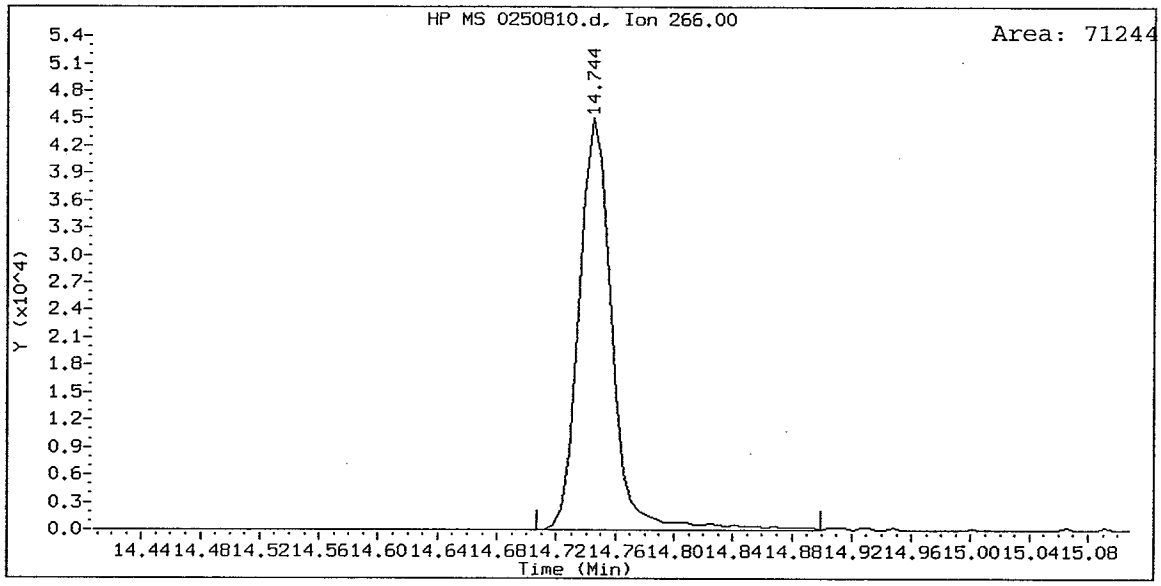
ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
4-Nitroaniline Amount: 25.20

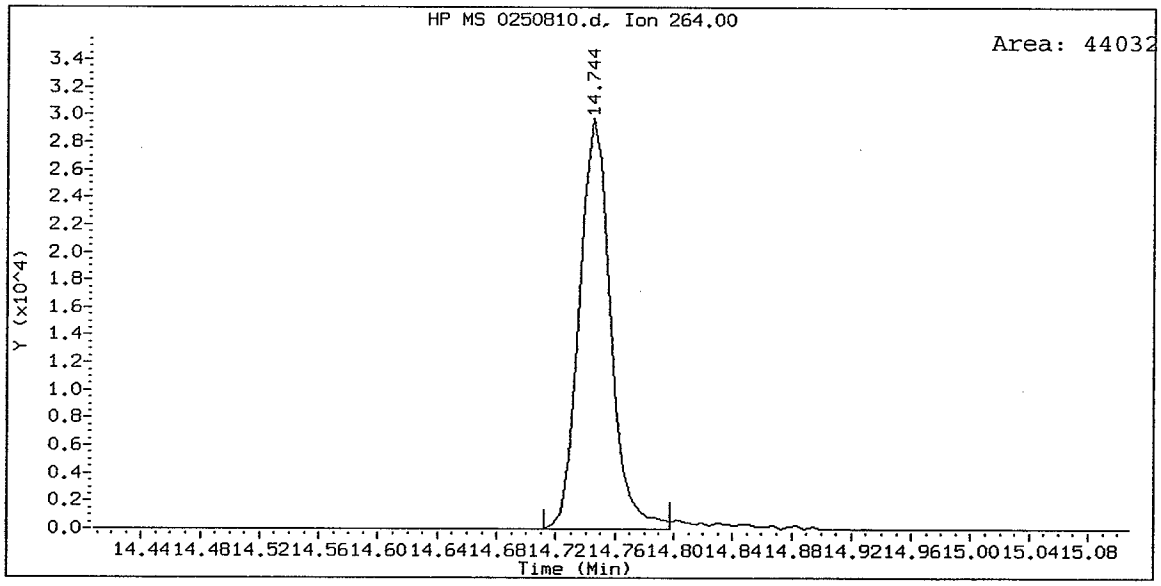


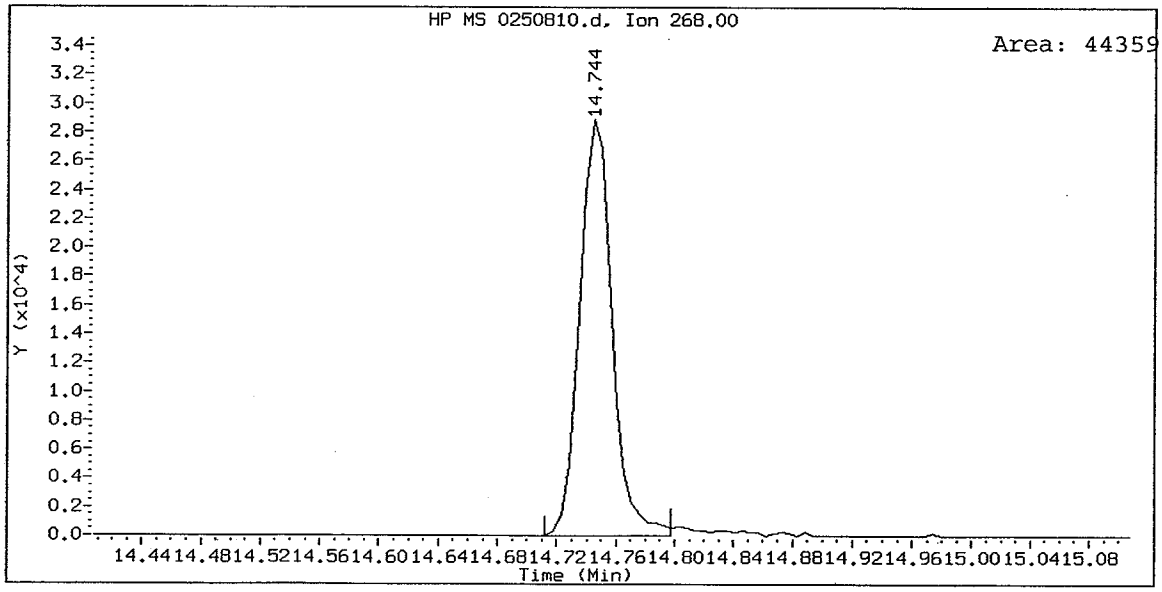




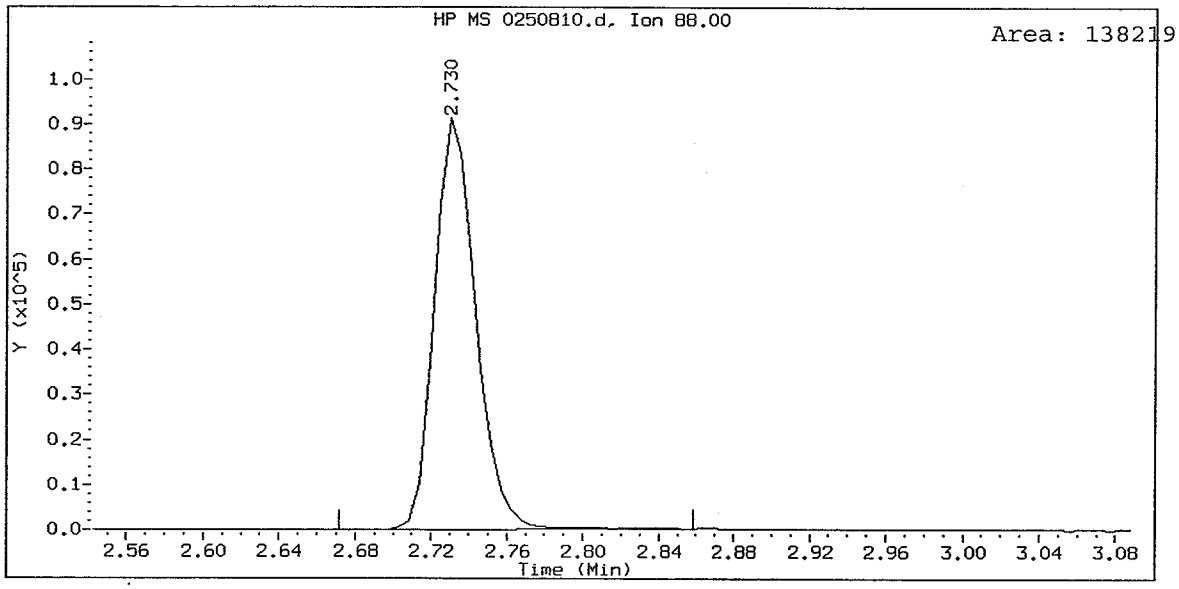
ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
Pentachlorophenol Amount: 27.73

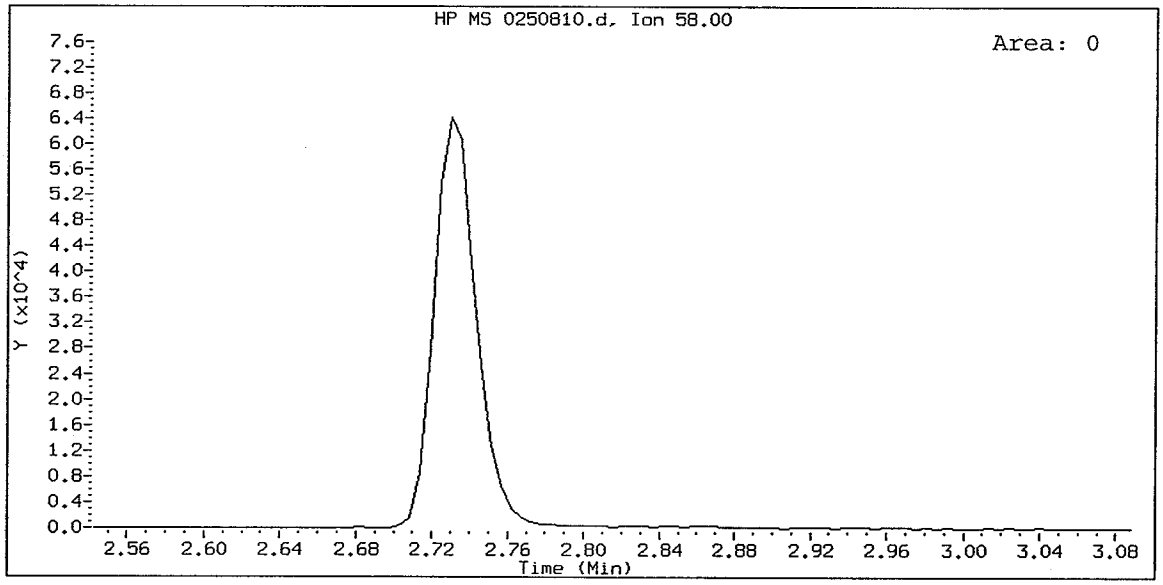


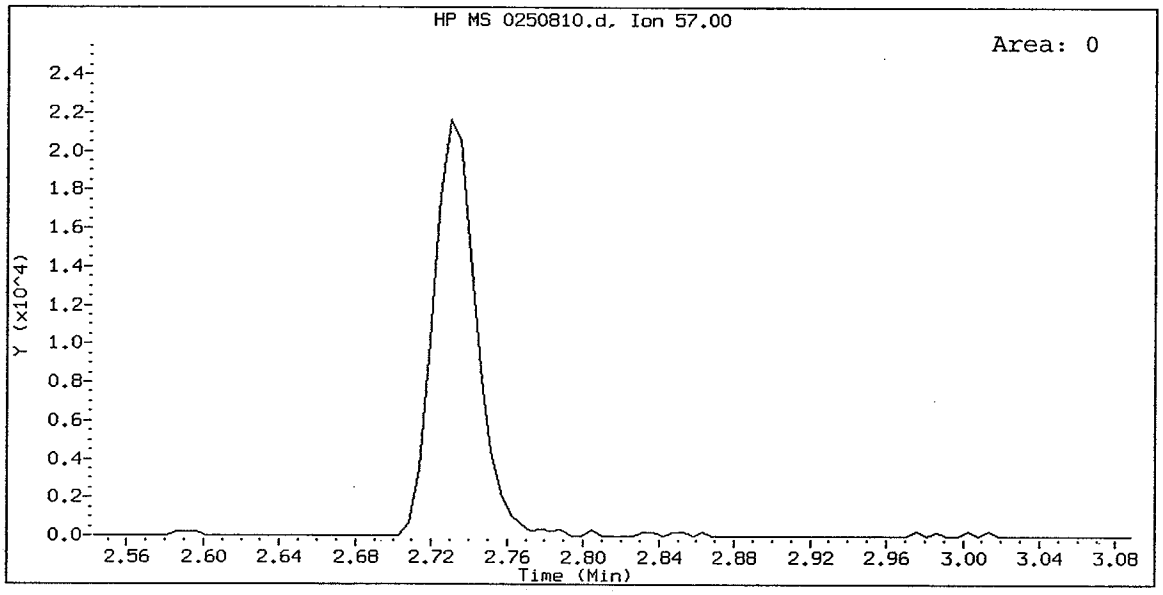




ABN 25, /chem1/nt6.i/20060810a.b/0250810.d
1,4-Dioxane Amount: 24.64







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

Data file: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d
Method: /chem1/nt6.i/20060810a.b/ddt.b/sw846ddt.m
Analysis Date: 10-AUG-2006 15:42

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.744	68216
Benzidine	17.164	333995
4,4'-DDE	----	----
4,4'-DDD	18.094	7851
4,4'-DDT	18.569	152872

LTR
8/11/06

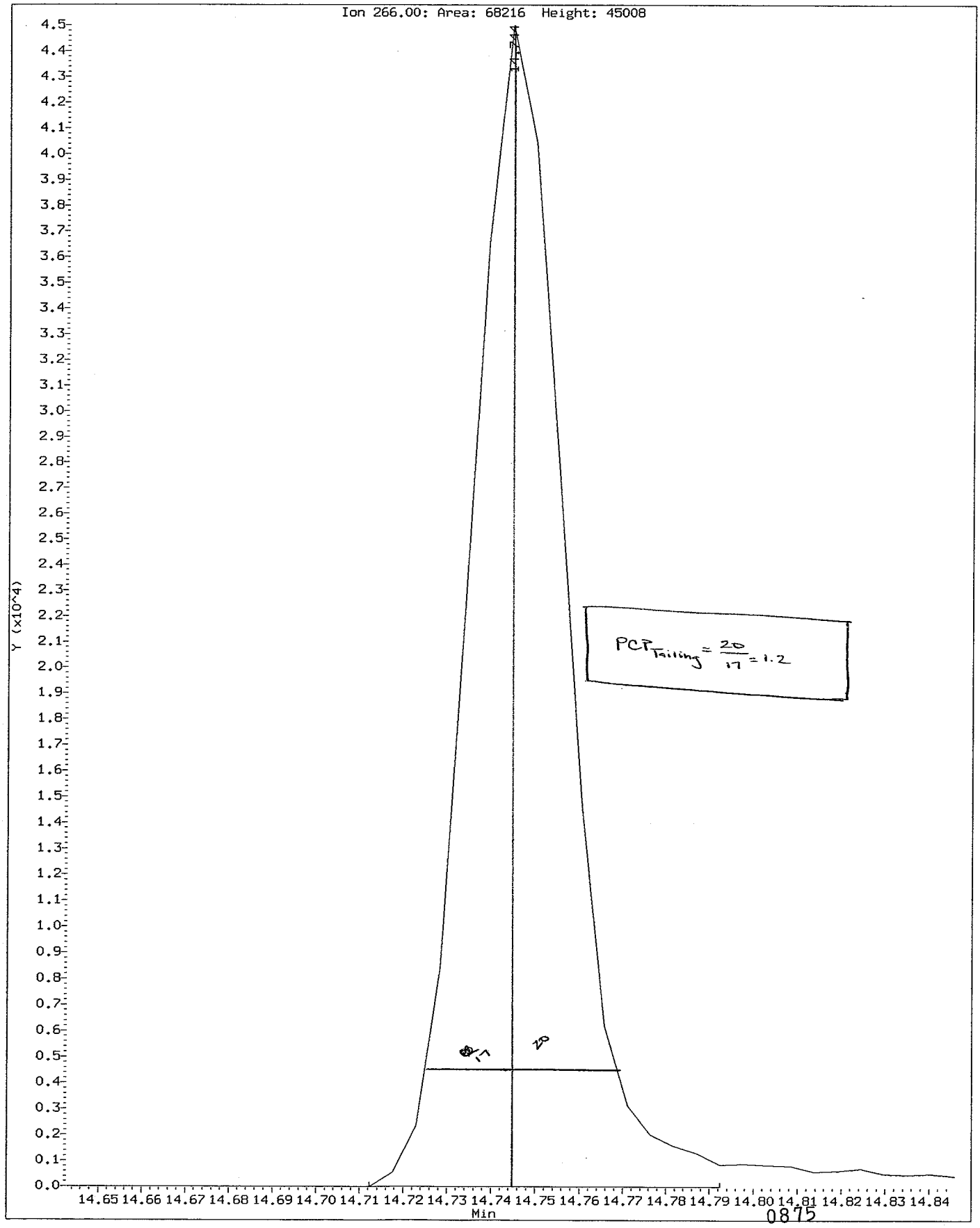
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 7851) * 100}{(0 + 7851 + 152872)}$$

DDT Percent Breakdown = 4.9 %

Data File: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d
Injection Date: 10-AUG-2006 15:42
Instrument: nt6.i
Client Sample ID:

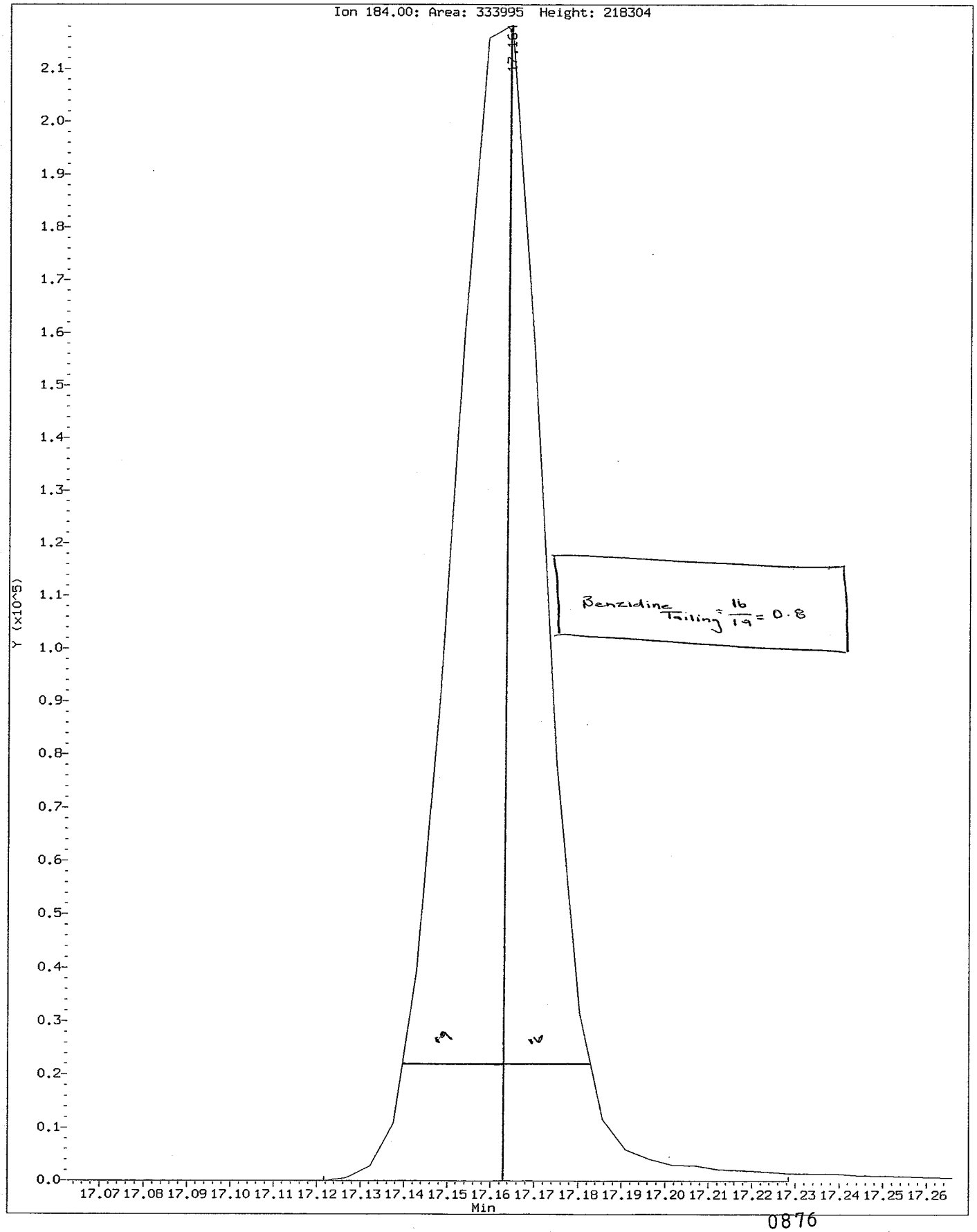
Compound: Pentachlorophenol
CAS Number: 87-86-5



0875

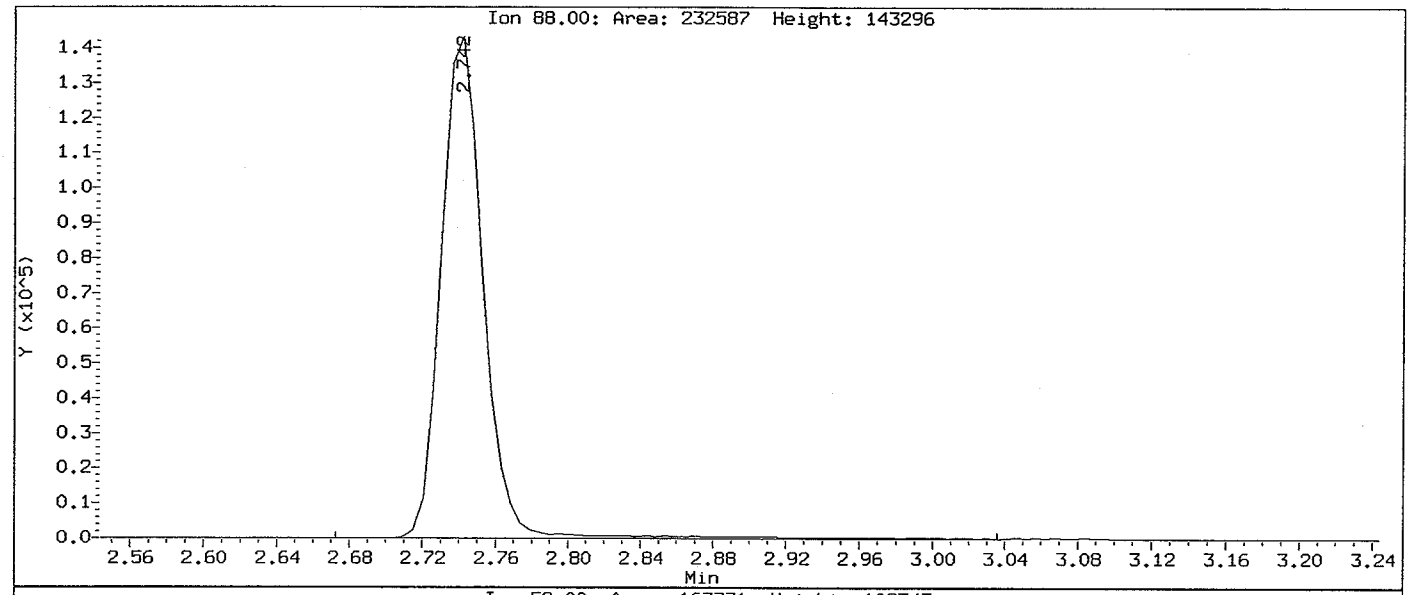
Data File: /chem1/nt6.i/20060810a.b/ddt.b/0250810.d
Injection Date: 10-AUG-2006 15:42
Instrument: nt6.i
Client Sample ID:

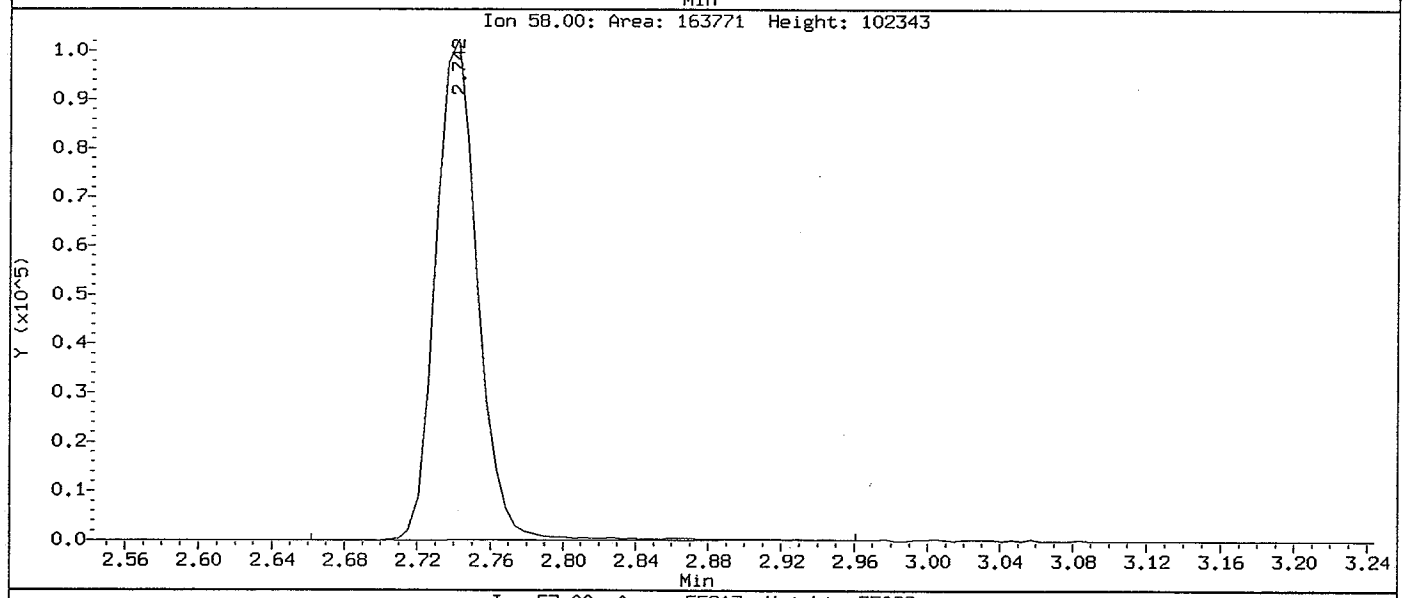
Compound: Benzidine
CAS Number:

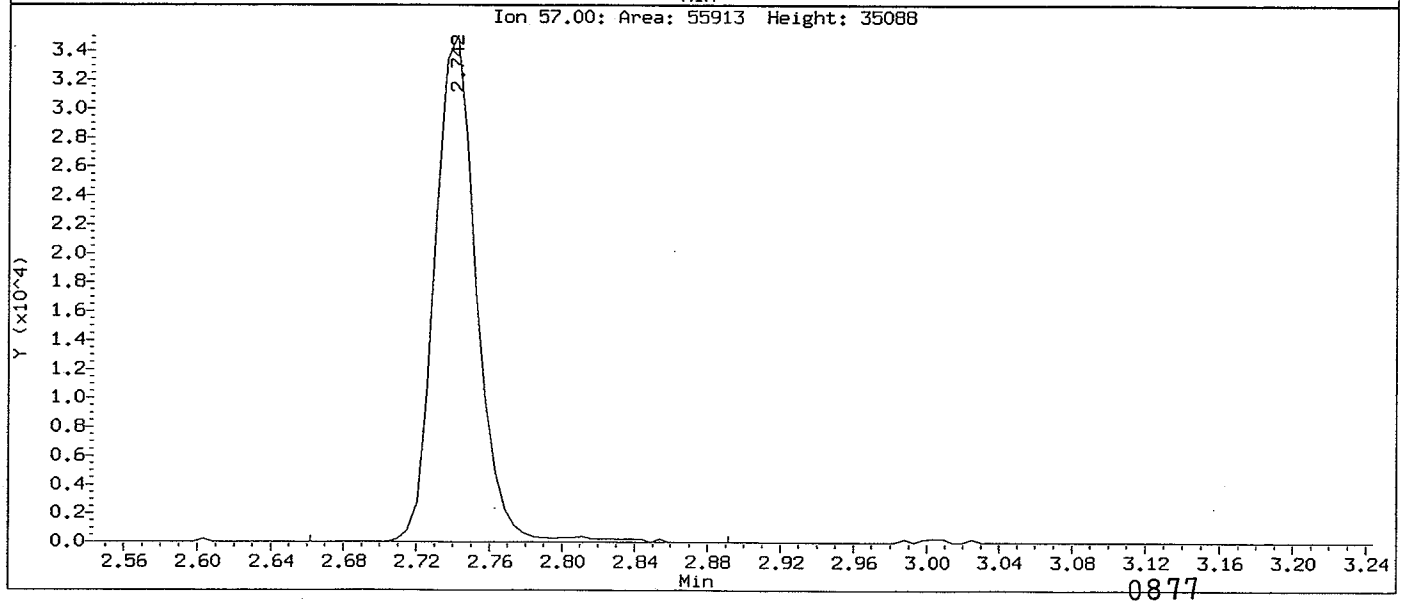


Data File: /chem1/nt6.i/20060810a.b/0400810.d
Injection Date: 10-AUG-2006 17:21
Instrument: nt6.i
Client Sample ID:

Compound: 1,4-Dioxane
CAS Number:







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0400810.d
Lab Smp Id: ABN 40
Inj Date : 10-AUG-2006 17:21
Operator : LJR
Inst ID: nt6.i
LJR 8/11/06
Smp Info : ABN 40
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 12:21 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.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	5.744	5.749	(0.751)	490578	40.0000	38.20
$ 2 Phenol-d5	99	7.213	7.223	(0.943)	550332	40.0000	36.92
3 Phenol	94	7.229	7.245	(0.945)	628736	40.0000	35.96
$ 5 2-Chlorophenol-d4	132	7.352	7.357	(0.961)	453396	40.0000	37.47
4 Bis(2-Chloroethyl)ether	93	7.331	7.335	(0.958)	481189	40.0000	36.96
6 2-Chlorophenol	128	7.379	7.384	(0.964)	422629	40.0000	36.67
7 1,3-Dichlorobenzene	146	7.592	7.597	(0.992)	455152	40.0000	36.66
* 8 1,4-Dichlorobenzene-d4	152	7.651	7.656	(1.000)	165922	20.0000	
9 1,4-Dichlorobenzene	146	7.678	7.683	(1.003)	456025	40.0000	36.54
$ 10 1,2-Dichlorobenzene-d4	152	7.945	7.950	(1.038)	274319	40.0000	36.98
12 1,2-Dichlorobenzene	146	7.966	7.971	(1.041)	418875	40.0000	35.99
11 Benzyl alcohol	108	7.924	7.934	(1.036)	321765	40.0000	36.94
14 2,2'-oxybis(1-Chloropropane)	45	8.185	8.190	(1.070)	720903	40.0000	37.15
13 2-Methylphenol	108	8.143	8.153	(1.064)	427920	40.0000	37.12
17 Hexachloroethane	117	8.447	8.452	(1.104)	193786	40.0000	38.27
16 N-Nitroso-di-n-propylamine	70	8.405	8.415	(1.098)	389018	40.0000	37.50
15 4-Methylphenol	108	8.378	8.388	(1.095)	438953	40.0000	37.18
$ 18 Nitrobenzene-d5	82	8.570	8.580	(0.886)	576113	40.0000	37.96
19 Nitrobenzene	77	8.597	8.607	(0.888)	541490	40.0000	37.42
20 Isophorone	82	8.976	8.992	(0.928)	951131	40.0000	37.10
21 2-Nitrophenol	139	9.110	9.114	(0.941)	225571	40.0000	38.53
22 2,4-Dimethylphenol	107	9.211	9.221	(0.952)	453976	40.0000	36.81
23 Bis(2-Chloroethoxy)methane	93	9.366	9.376	(0.968)	567138	40.0000	36.42
24 Benzoic acid	105	9.468	9.547	(0.978)	686073	80.0000	79.46
25 2,4-Dichlorophenol	162	9.484	9.494	(0.980)	320344	40.0000	37.60
26 1,2,4-Trichlorobenzene	180	9.623	9.627	(0.994)	334545	40.0000	36.18
* 27 Naphthalene-d8	136	9.676	9.681	(1.000)	616735	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	9.708	9.718	(1.003)	1117933	40.0000	39.12
29 4-Chloroaniline	127	9.847	9.857	(1.018)	508801	40.0000	36.93
30 Hexachlorobutadiene	225	10.028	10.028	(1.036)	160325	40.0000	36.05
31 4-Chloro-3-methylphenol	107	10.648	10.658	(1.100)	384596	40.0000	37.37
32 2-Methylnaphthalene	141	10.830	10.835	(1.119)	600486	40.0000	35.26
33 Hexachlorocyclopentadiene	237	11.214	11.214	(0.894)	145635	40.0000	41.82
34 2,4,6-Trichlorophenol	196	11.343	11.347	(0.904)	210351	40.0000	38.14
35 2,4,5-Trichlorophenol	196	11.396	11.401	(0.908)	220667	40.0000	37.21
$ 36 2-Fluorobiphenyl	172	11.476	11.481	(0.915)	780724	40.0000	36.37
37 2-Chloronaphthalene	162	11.610	11.620	(0.925)	676954	40.0000	35.83
38 2-Nitroaniline	65	11.839	11.850	(0.944)	283397	40.0000	37.99
39 Dimethylphthalate	163	12.224	12.234	(0.974)	747308	40.0000	36.68
40 Acenaphthylene	152	12.294	12.298	(0.980)	1078457	40.0000	35.45
41 2,6-Dinitrotoluene	165	12.315	12.325	(0.982)	170776	40.0000	38.51
* 42 Acenaphthene-d10	164	12.545	12.549	(1.000)	333378	20.0000	
43 3-Nitroaniline	138	12.523	12.533	(0.998)	212294	40.0000	37.46
44 Acenaphthene	153	12.598	12.608	(1.004)	672999	40.0000	35.43
45 2,4-Dinitrophenol	184	12.689	12.699	(1.011)	93374	80.0000	106.2
46 Dibenzofuran	168	12.860	12.870	(1.025)	881647	40.0000	34.85
47 4-Nitrophenol	109	12.822	12.833	(1.022)	112715	40.0000	39.20
48 2,4-Dinitrotoluene	165	12.940	12.950	(1.032)	229324	40.0000	39.67
50 Diethylphthalate	149	13.383	13.393	(1.067)	754042	40.0000	36.33
49 Fluorene	166	13.421	13.426	(1.070)	739463	40.0000	35.06
51 4-Chlorophenyl-phenylether	204	13.442	13.447	(1.072)	327328	40.0000	34.98
52 4-Nitroaniline	138	13.522	13.543	(1.078)	195099	40.0000	35.33
53 4,6-Dinitro-2-methylphenol	198	13.602	13.618	(0.911)	181188	80.0000	93.92
54 N-Nitrosodiphenylamine	169	13.650	13.661	(0.914)	372422	40.0000	36.62
$ 55 2,4,6-Tribromophenol	330	13.843	13.853	(1.103)	92888	40.0000	39.50
56 4-Bromophenyl-phenylether	248	14.233	14.238	(0.953)	174018	40.0000	36.25
57 Hexachlorobenzene	284	14.452	14.457	(0.968)	188014	40.0000	35.76
58 Pentachlorophenol	266	14.746	14.756	(0.987)	112909	40.0000	40.31
* 59 Phenanthrene-d10	188	14.933	14.937	(1.000)	488043	20.0000	
60 Phenanthrene	178	14.970	14.980	(1.002)	1008718	40.0000	38.89
61 Anthracene	178	15.045	15.050	(1.008)	1025268	40.0000	35.14
62 Carbazole	167	15.323	15.333	(1.026)	948877	40.0000	38.24
63 Di-n-butylphthalate	149	16.044	16.049	(1.074)	1203407	40.0000	36.01
64 Fluoranthene	202	16.915	16.925	(1.133)	1011239	40.0000	35.11
65 Pyrene	202	17.272	17.283	(0.897)	1046573	40.0000	36.52
$ 66 Terphenyl-d14	244	17.588	17.592	(0.913)	651917	40.0000	37.47
67 Butylbenzylphthalate	149	18.474	18.479	(0.959)	537766	40.0000	37.90
68 Benzo(a)anthracene	228	19.244	19.248	(0.999)	783338	40.0000	35.18
* 69 Chrysene-d12	240	19.265	19.275	(1.000)	336761	20.0000	
70 3,3'-Dichlorobenzidine	252	19.249	19.254	(0.999)	273650	40.0000	34.98
71 Chrysene	228	19.308	19.323	(1.002)	793676	40.0000	35.38
72 bis(2-Ethylhexyl)phthalate	149	19.468	19.473	(0.954)	725061	40.0000	38.62
* 134 Di-n-octylphthalate-d4	153	20.408	20.408	(1.000)	719210	20.0000	
73 Di-n-octylphthalate	149	20.419	20.424	(1.001)	1169606	40.0000	37.11

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	20.905	20.921	(0.976)	895281	40.0000	35.95
75 Benzo(k)fluoranthene	252	20.937	20.953	(0.977)	879378	40.0000	41.05
76 Benzo(a)pyrene	252	21.354	21.369	(0.996)	823463	40.0000	36.32
* 77 Perylene-d12	264	21.429	21.433	(1.000)	400416	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.989	23.009	(1.073)	1024470	40.0000	36.06
79 Dibenzo(a,h)anthracene	278	23.015	23.036	(1.074)	841993	40.0000	35.76
80 Benzo(g,h,i)perylene	276	23.421	23.453	(1.093)	965692	40.0000	36.79
90 N-Nitrosodimethylamine	74	3.415	3.420	(0.446)	344803	40.0000	38.74
103 Pyridine	79	3.388	3.382	(0.443)	576791	40.0000	38.14
91 Aniline	93	7.213	7.218	(0.943)	708070	40.0000	36.13
105 1-methylnaphthalene	141	11.001	11.011	(1.137)	623045	40.0000	35.92
93 Benzidine	184	17.166	17.170	(0.891)	459814	40.0000	33.43
98 Retene	219	17.839	17.843	(0.926)	421865	40.0000	36.87
111 Azobenzene (1,2-DP-Hydrazine)	77	13.699	13.709	(1.092)	986266	40.0000	36.59
144 alpha-Terpineol	59	9.735	9.739	(1.006)	342562	40.0000	36.48
143 1,4-Dioxane	88	2.742	2.736	(0.358)	232587	40.0000	39.05 (M)
$ 137 d8-1,4-Dioxane	96	2.688	2.682	(0.351)	215053	40.0000	38.68
133 Butylatedhydroxytoluene	205	12.721	12.726	(1.014)	530463	40.0000	35.29
115 Tributyl Phosphate	99	13.752	13.762	(0.921)	1050941	40.0000	37.06
116 Dibutyl Phenyl Phosphate	175	15.488	15.493	(1.037)	709086	40.0000	36.28
117 Butyl Diphenyl Phosphate	94	17.182	17.186	(0.892)	247220	40.0000	38.07
118 Triphenyl Phosphate	326	18.790	18.794	(0.975)	148970	40.0000	37.54

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: 0400810.d
Lab Smp Id: ABN 40
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	165922	8.24
27 Naphthalene-d8	566754	283377	1133508	616735	8.82
42 Acenaphthene-d10	308375	154188	616750	333378	8.11
59 Phenanthrene-d10	447684	223842	895368	488043	9.02
69 Chrysene-d12	331290	165645	662580	336761	1.65
134 Di-n-octylphthala	733535	366768	1467070	719210	-1.95
77 Perylene-d12	403979	201990	807958	400416	-0.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.02
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.01
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.01
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.01
69 Chrysene-d12	19.26	18.76	19.76	19.27	0.01
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.02

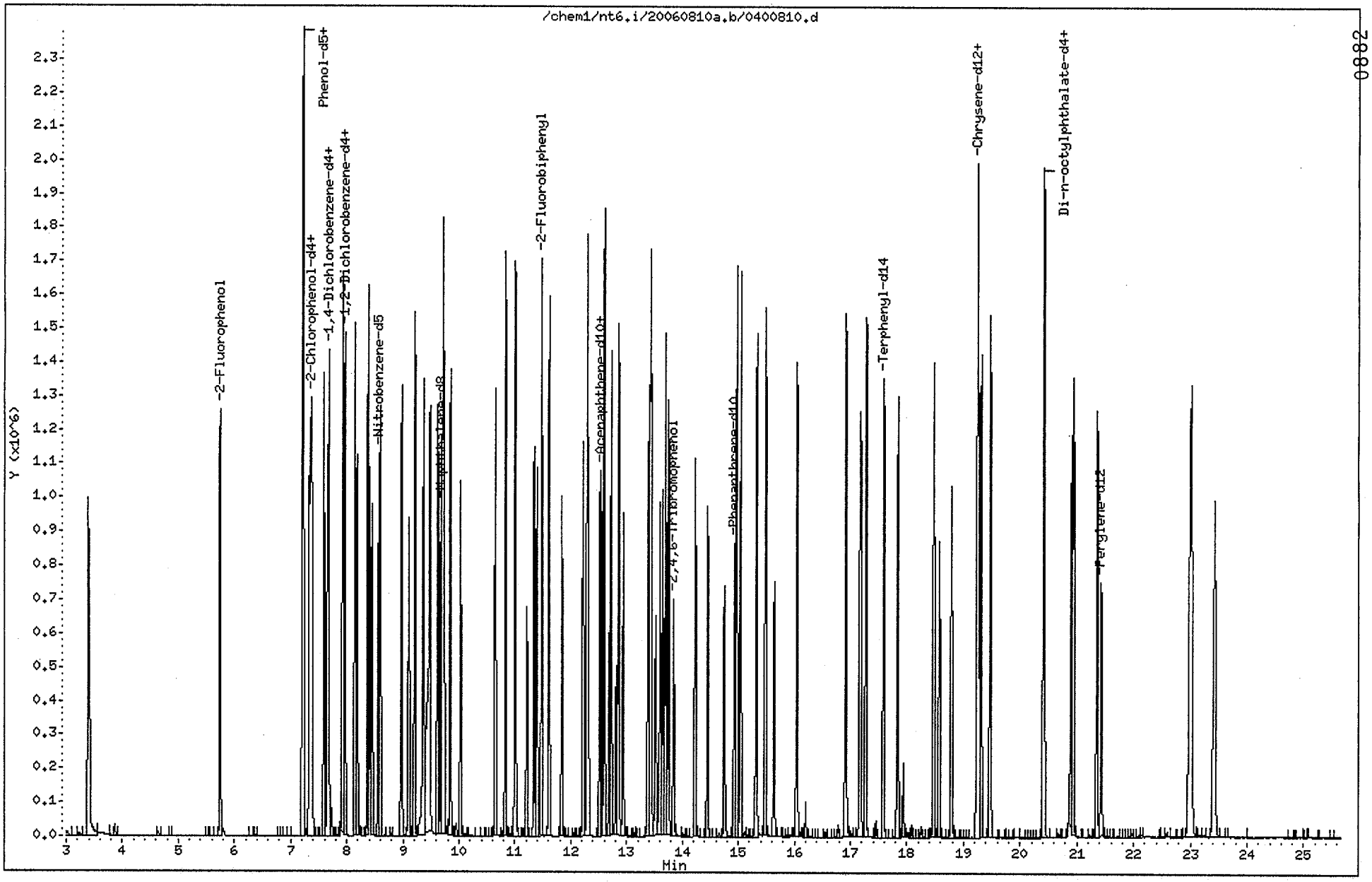
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0400810.d
Date : 10-AUG-2006 17:21
Client ID:
Sample Info: ABN 40

Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



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Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/0800810.d
Lab Smp Id: ABN 80
Inj Date : 10-AUG-2006 16:15
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 80
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:15 Cal File: 0800810.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJK 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.749	5.749	(0.751)	850754	80.0000	72.47
$	2 Phenol-d5	99	7.223	7.223	(0.943)	928414	80.0000	68.14
	3 Phenol	94	7.245	7.245	(0.946)	1080422	80.0000	67.60
$	5 2-Chlorophenol-d4	132	7.357	7.357	(0.961)	756556	80.0000	68.41
	4 Bis(2-Chloroethyl)ether	93	7.335	7.335	(0.958)	820793	80.0000	68.98
	6 2-Chlorophenol	128	7.384	7.384	(0.964)	722307	80.0000	68.57
	7 1,3-Dichlorobenzene	146	7.597	7.597	(0.992)	774792	80.0000	68.28
*	8 1,4-Dichlorobenzene-d4	152	7.656	7.656	(1.000)	151661	20.0000	
	9 1,4-Dichlorobenzene	146	7.683	7.683	(1.003)	772018	80.0000	67.68
$	10 1,2-Dichlorobenzene-d4	152	7.950	7.950	(1.038)	438527	80.0000	64.68
	12 1,2-Dichlorobenzene	146	7.971	7.971	(1.041)	693613	80.0000	65.20
	11 Benzyl alcohol	108	7.934	7.934	(1.036)	557136	80.0000	69.97
	14 2,2'-oxybis(1-Chloropropane)	45	8.190	8.190	(1.070)	1248501	80.0000	70.39
	13 2-Methylphenol	108	8.153	8.153	(1.065)	750742	80.0000	71.24
	17 Hexachloroethane	117	8.452	8.452	(1.104)	332686	80.0000	71.87
	16 N-Nitroso-di-n-propylamine	70	8.415	8.415	(1.099)	697476	80.0000	73.56
	15 4-Methylphenol	108	8.388	8.388	(1.096)	754235	80.0000	69.88
$	18 Nitrobenzene-d5	82	8.580	8.580	(0.886)	1023878	80.0000	72.86
	19 Nitrobenzene	77	8.607	8.607	(0.889)	945912	80.0000	70.60
	20 Isophorone	82	8.992	8.992	(0.929)	1687570	80.0000	71.11
	21 2-Nitrophenol	139	9.114	9.114	(0.942)	408036	80.0000	75.29
	22 2,4-Dimethylphenol	107	9.221	9.221	(0.953)	797840	80.0000	69.87
	23 Bis(2-Chloroethoxy)methane	93	9.376	9.376	(0.969)	993231	80.0000	68.90
	24 Benzoic acid	105	9.547	9.547	(0.986)	1375193	160.000	172.0 (M)
	25 2,4-Dichlorophenol	162	9.494	9.494	(0.981)	547983	80.0000	69.47
	26 1,2,4-Trichlorobenzene	180	9.627	9.627	(0.994)	574625	80.0000	67.12
*	27 Naphthalene-d8	136	9.681	9.681	(1.000)	570983	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	9.718	9.718	(1.004)	1851701	80.0000	62.90
29 4-Chloroaniline	127	9.857	9.857	(1.018)	891297	80.0000	69.88
30 Hexachlorobutadiene	225	10.028	10.028	(1.036)	274468	80.0000	66.67
31 4-Chloro-3-methylphenol	107	10.658	10.658	(1.101)	675118	80.0000	70.86
32 2-Methylnaphthalene	141	10.835	10.835	(1.119)	1026502	80.0000	65.10
33 Hexachlorocyclopentadiene	237	11.214	11.214	(0.894)	276788	80.0000	87.25
34 2,4,6-Trichlorophenol	196	11.347	11.347	(0.904)	382372	80.0000	76.11
35 2,4,5-Trichlorophenol	196	11.401	11.401	(0.908)	392500	80.0000	72.65
$ 36 2-Fluorobiphenyl	172	11.481	11.481	(0.915)	1317125	80.0000	67.35
37 2-Chloronaphthalene	162	11.620	11.620	(0.926)	1152344	80.0000	66.95
38 2-Nitroaniline	65	11.850	11.850	(0.944)	526085	80.0000	77.41
39 Dimethylphthalate	163	12.234	12.234	(0.975)	1312978	80.0000	70.75
40 Acenaphthylene	152	12.298	12.298	(0.980)	1827218	80.0000	65.92
41 2,6-Dinitrotoluene	165	12.325	12.325	(0.982)	308902	80.0000	76.47
* 42 Acenaphthene-d10	164	12.549	12.549	(1.000)	303700	20.0000	
43 3-Nitroaniline	138	12.533	12.533	(0.999)	391950	80.0000	75.92
44 Acenaphthene	153	12.608	12.608	(1.005)	1144751	80.0000	66.16
45 2,4-Dinitrophenol	184	12.699	12.699	(1.012)	216829	160.000	270.6
46 Dibenzofuran	168	12.870	12.870	(1.026)	1504198	80.0000	65.27
47 4-Nitrophenol	109	12.833	12.833	(1.023)	211704	80.0000	80.83 (M)
48 2,4-Dinitrotoluene	165	12.950	12.950	(1.032)	417931	80.0000	79.36
50 Diethylphthalate	149	13.393	13.393	(1.067)	1311296	80.0000	69.35
49 Fluorene	166	13.426	13.426	(1.070)	1214544	80.0000	63.21
51 4-Chlorophenyl-phenylether	204	13.447	13.447	(1.071)	551300	80.0000	64.68
52 4-Nitroaniline	138	13.543	13.543	(1.079)	391584	80.0000	77.83
53 4,6-Dinitro-2-methylphenol	198	13.618	13.618	(0.912)	380100	160.000	208.8
54 N-Nitrosodiphenylamine	169	13.661	13.661	(0.915)	665241	80.0000	69.33
$ 55 2,4,6-Tribromophenol	330	13.853	13.853	(1.104)	165827	80.0000	77.42
56 4-Bromophenyl-phenylether	248	14.238	14.238	(0.953)	307988	80.0000	68.00
57 Hexachlorobenzene	284	14.457	14.457	(0.968)	332120	80.0000	66.95
58 Pentachlorophenol	266	14.756	14.756	(0.988)	220089	80.0000	83.29
* 59 Phenanthrene-d10	188	14.937	14.937	(1.000)	460440	20.0000	
60 Phenanthrene	178	14.980	14.980	(1.003)	1719689	80.0000	62.88
61 Anthracene	178	15.050	15.050	(1.008)	1750916	80.0000	63.61
62 Carbazole	167	15.333	15.333	(1.026)	1687597	80.0000	64.27
63 Di-n-butylphthalate	149	16.049	16.049	(1.074)	2031552	80.0000	64.43
64 Fluoranthene	202	16.925	16.925	(1.133)	1738141	80.0000	63.97
65 Pyrene	202	17.283	17.283	(0.897)	1783754	80.0000	67.54
$ 66 Terphenyl-d14	244	17.592	17.592	(0.913)	1121446	80.0000	69.93
67 Butylbenzylphthalate	149	18.479	18.479	(0.959)	952447	80.0000	72.84
68 Benzo(a)anthracene	228	19.248	19.248	(0.999)	1363069	80.0000	66.43
* 69 Chrysene-d12	240	19.275	19.275	(1.000)	310351	20.0000	
70 3,3'-Dichlorobenzidine	252	19.254	19.254	(0.999)	501467	80.0000	69.55
71 Chrysene	228	19.323	19.323	(1.002)	1395313	80.0000	67.50
72 bis(2-Ethylhexyl)phthalate	149	19.473	19.473	(0.954)	1281177	80.0000	73.81
* 134 Di-n-octylphthalate-d4	153	20.408	20.408	(1.000)	664898	20.0000	
73 Di-n-octylphthalate	149	20.424	20.424	(1.001)	2065097	80.0000	70.87

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	20.921	20.921	(0.976)	1800490	80.0000	69.87
75 Benzo(k)fluoranthene	252	20.953	20.953	(0.978)	1449810	80.0000	54.68
76 Benzo(a)pyrene	252	21.369	21.369	(0.997)	1536080	80.0000	65.47
* 77 Perylene-d12	264	21.433	21.433	(1.000)	414331	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.009	23.009	(1.074)	1995635	80.0000	67.89
79 Dibenzo(a,h)anthracene	278	23.036	23.036	(1.075)	1585401	80.0000	65.08
80 Benzo(g,h,i)perylene	276	23.453	23.453	(1.094)	1885055	80.0000	69.41
90 N-Nitrosodimethylamine	74	3.420	3.420	(0.447)	620440	80.0000	76.26
103 Pyridine	79	3.382	3.382	(0.442)	1110773	80.0000	80.37 (M)
91 Aniline	93	7.218	7.218	(0.943)	1242480	80.0000	69.37
105 1-methylnaphthalene	141	11.011	11.011	(1.137)	1039269	80.0000	64.73
93 Benzidine	184	17.170	17.170	(0.891)	842279	80.0000	66.45
98 Retene	219	17.843	17.843	(0.926)	734894	80.0000	69.69
111 Azobenzene (1,2-DP-Hydrazine)	77	13.709	13.709	(1.092)	1702607	80.0000	69.34
144 alpha-Terpineol	59	9.739	9.739	(1.006)	597120	80.0000	68.68
143 1,4-Dioxane	88	2.736	2.736	(0.357)	411821	80.0000	75.28 (M)
$ 137 d8-1,4-Dioxane	96	2.682	2.682	(0.350)	382933	80.0000	75.35
133 Butylatedhydroxytoluene	205	12.726	12.726	(1.014)	880855	80.0000	64.33
115 Tributyl Phosphate	99	13.762	13.762	(0.921)	1806678	80.0000	67.53
116 Dibutyl Phenyl Phosphate	175	15.493	15.493	(1.037)	1194771	80.0000	64.80
117 Butyl Diphenyl Phosphate	94	17.186	17.186	(0.892)	419378	80.0000	70.07
118 Triphenyl Phosphate	326	18.794	18.794	(0.975)	268947	80.0000	73.55

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: 0800810.d
Lab Smp Id: ABN 80
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	151661	-1.06
27 Naphthalene-d8	566754	283377	1133508	570983	0.75
42 Acenaphthene-d10	308375	154188	616750	303700	-1.52
59 Phenanthrene-d10	447684	223842	895368	460440	2.85
69 Chrysene-d12	331290	165645	662580	310351	-6.32
134 Di-n-octylphthala	733535	366768	1467070	664898	-9.36
77 Perylene-d12	403979	201990	807958	414331	2.56

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.66	0.08
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.06
42 Acenaphthene-d10	12.54	12.04	13.04	12.55	0.05
59 Phenanthrene-d10	14.93	14.43	15.43	14.94	0.04
69 Chrysene-d12	19.26	18.76	19.76	19.28	0.06
134 Di-n-octylphthala	20.41	19.91	20.91	20.41	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.00

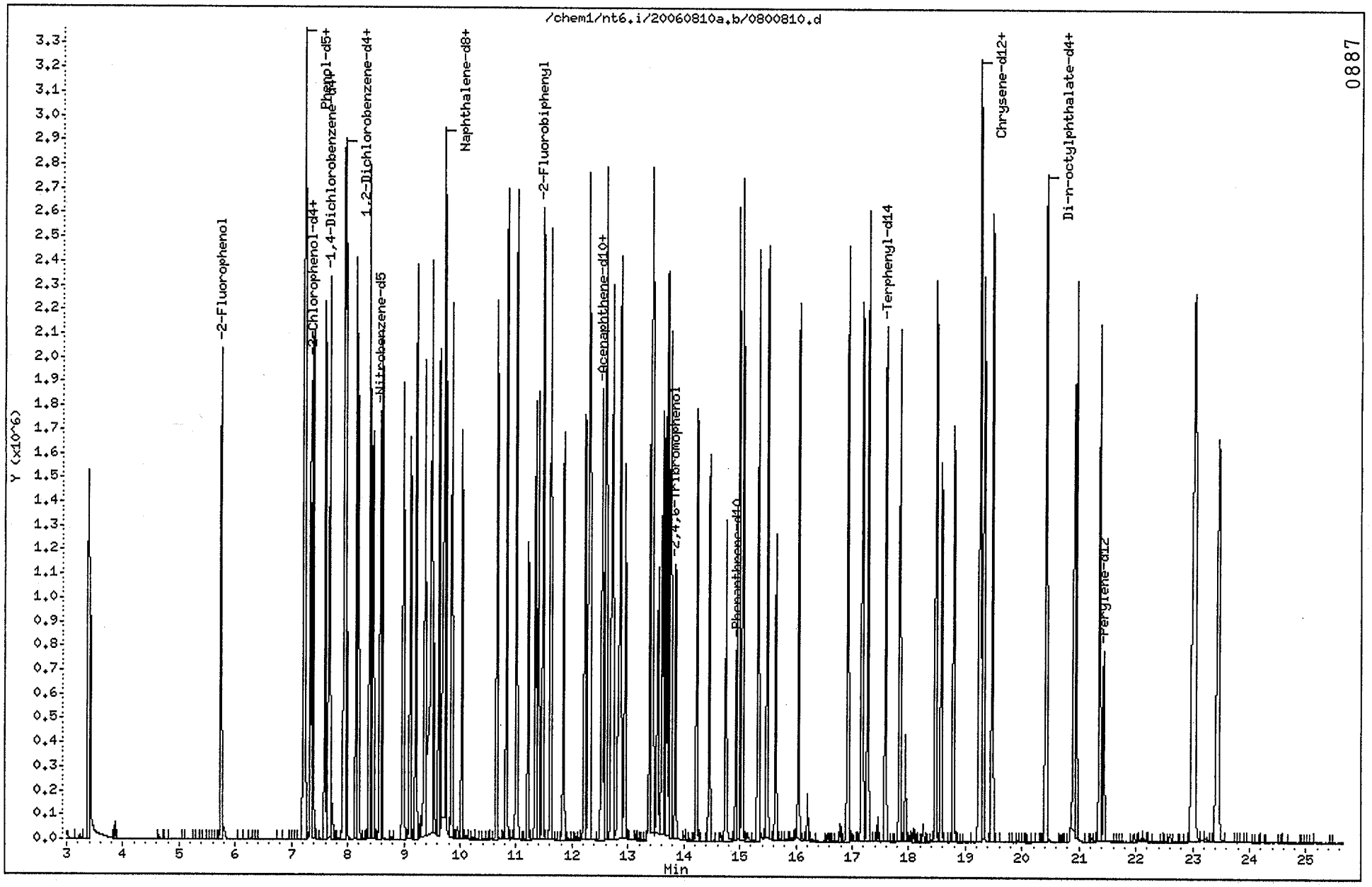
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060810a.b/0800810.d
Date : 10-AUG-2006 16:15
Client ID:
Sample Info: ABN 80

Column phase: ZB-5

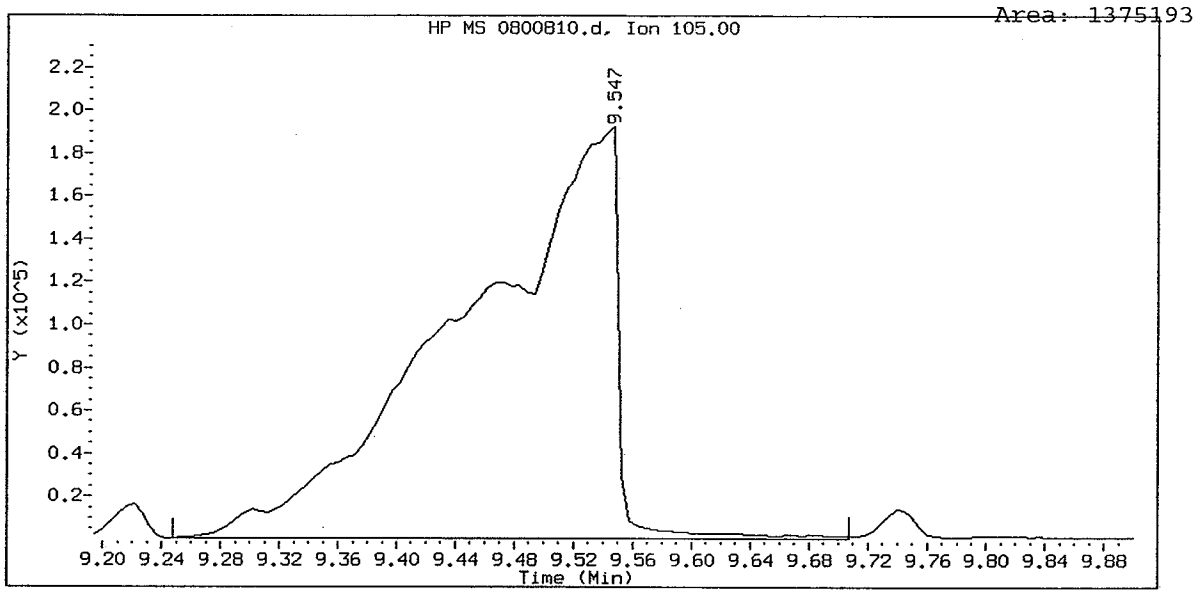
Instrument: nt6.i

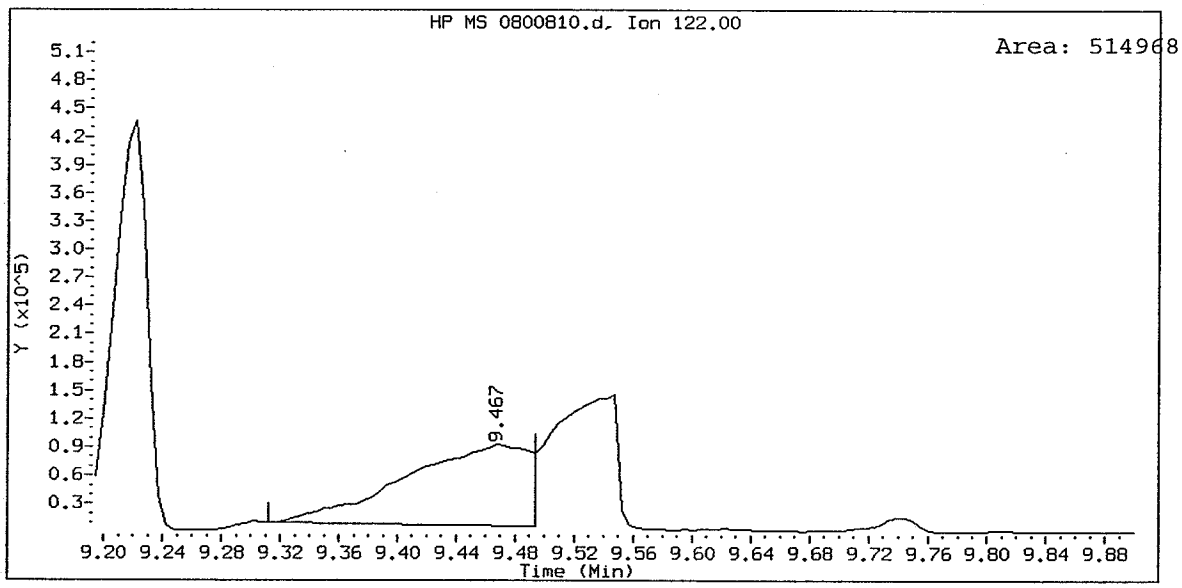
Operator: LJR
Column diameter: 0.32

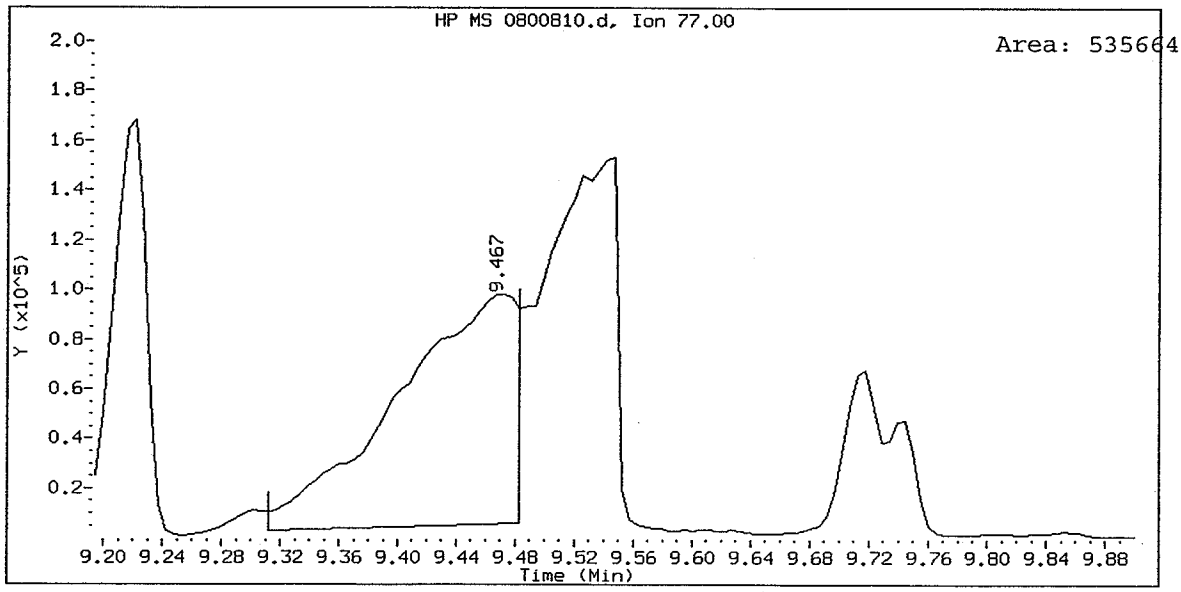


0887

ABN 80, /chem1/nt6.i/20060810a.b/0800810.d
Benzoic acid Amount: 172.04







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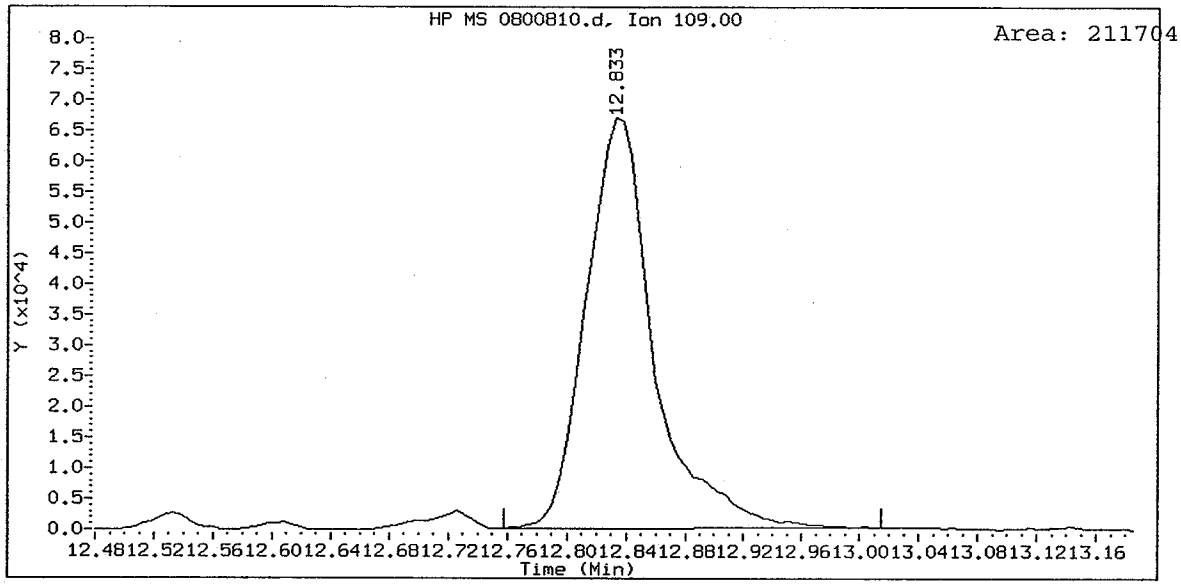
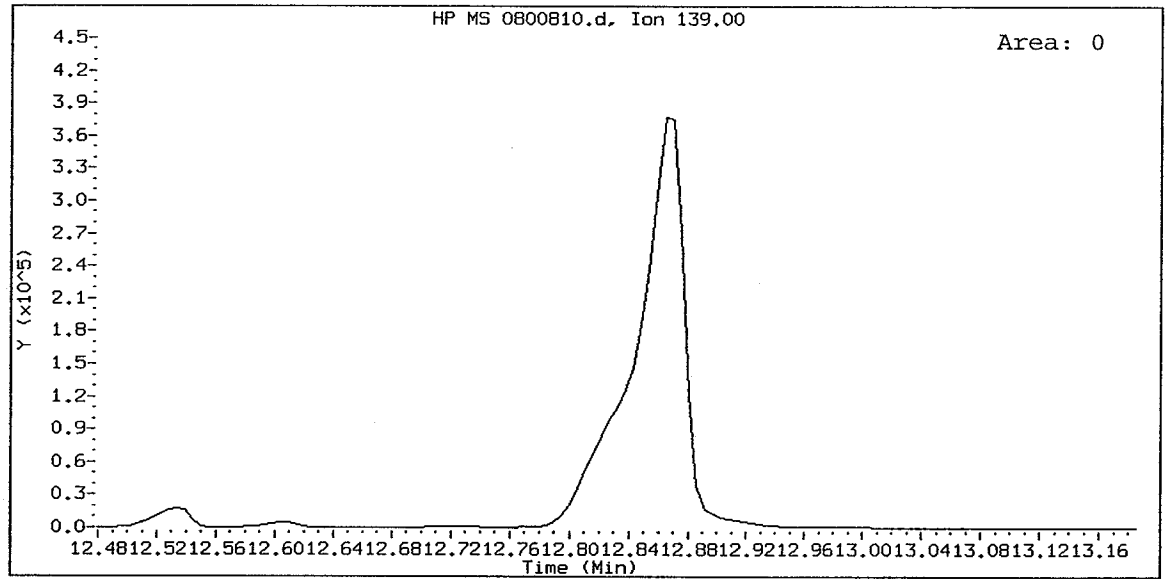
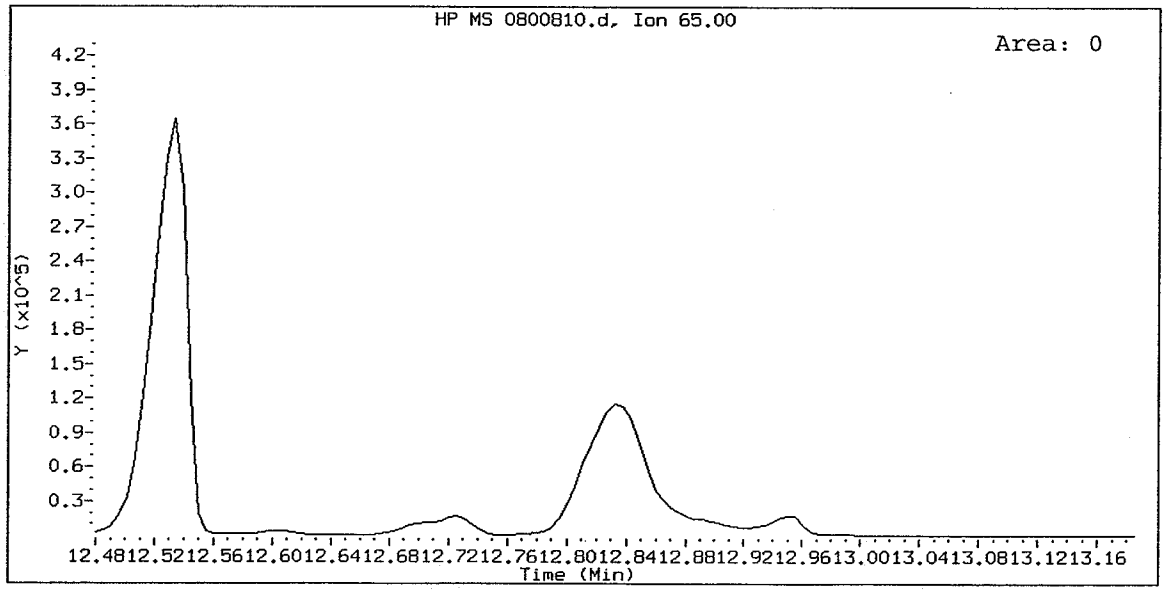
4-Nitrophenol Amount: 80.83







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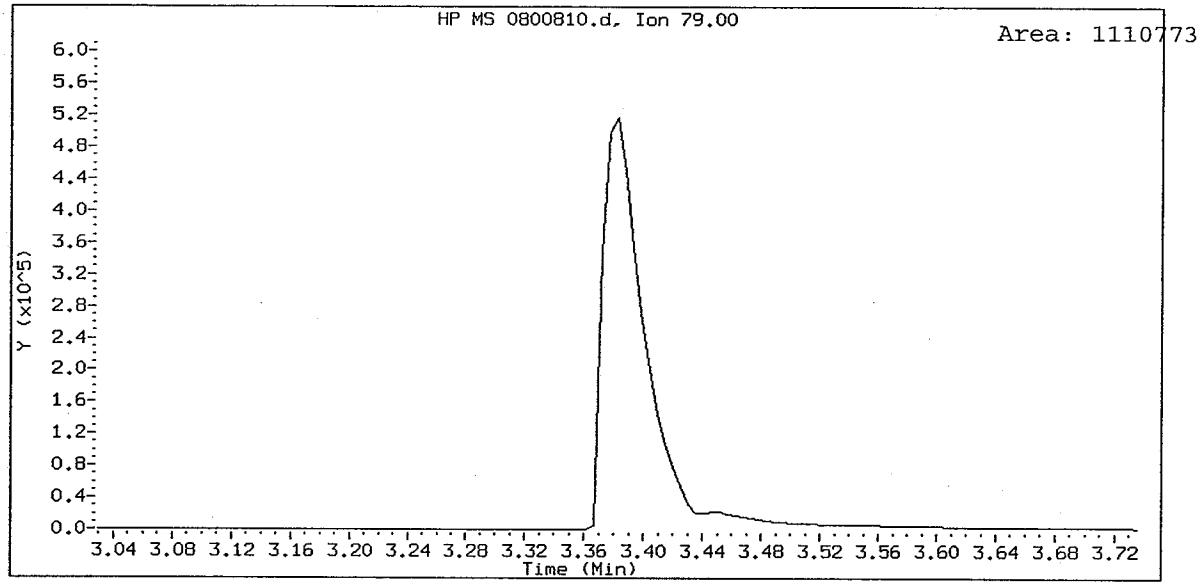
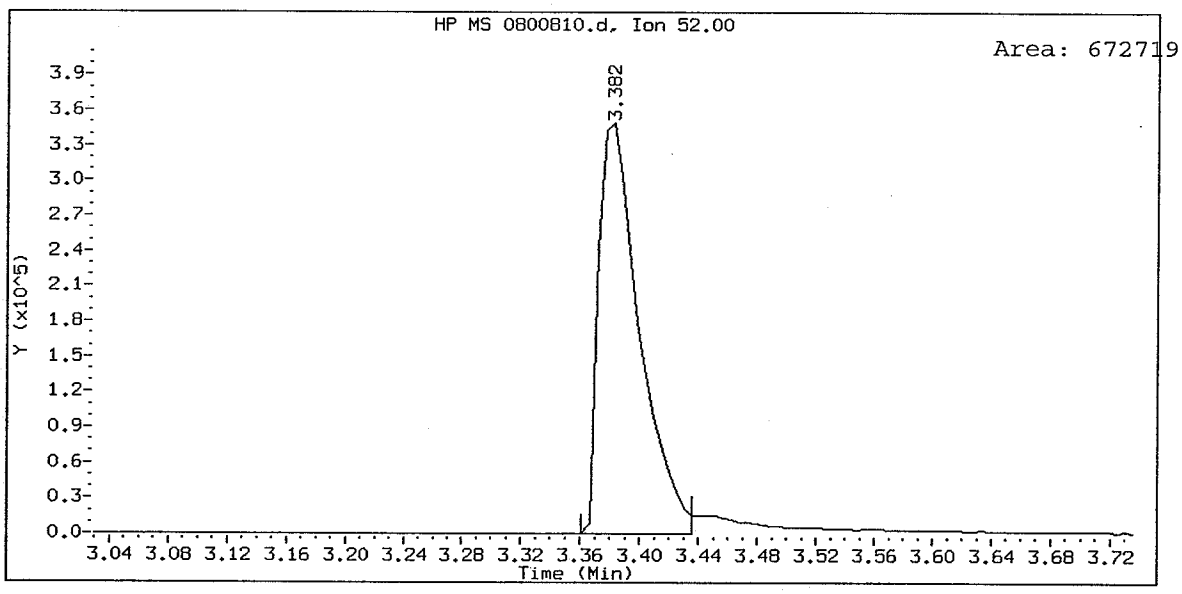
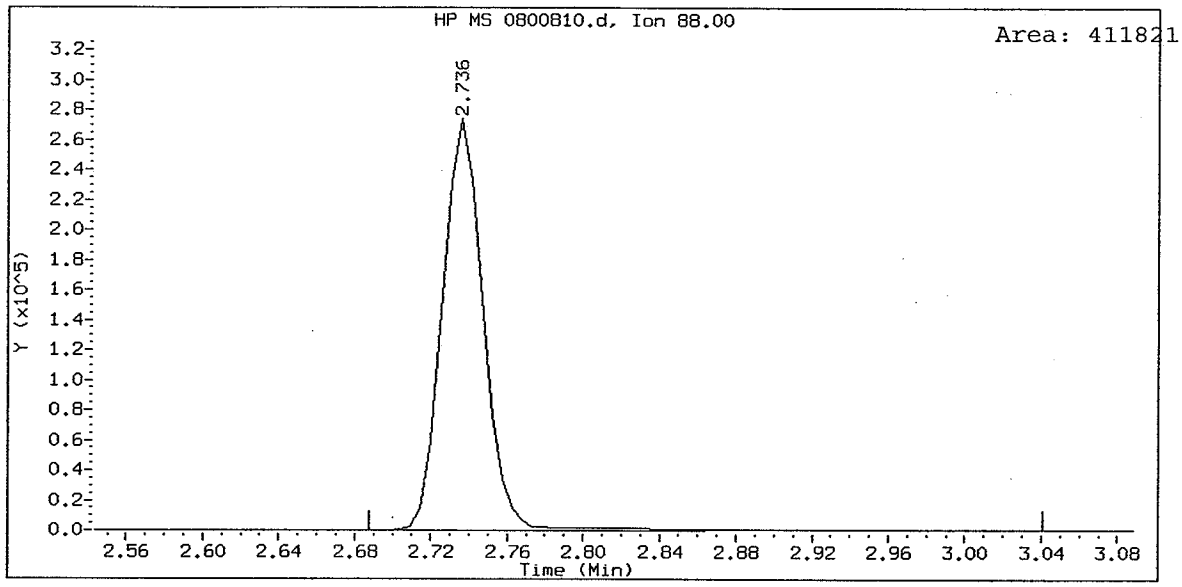
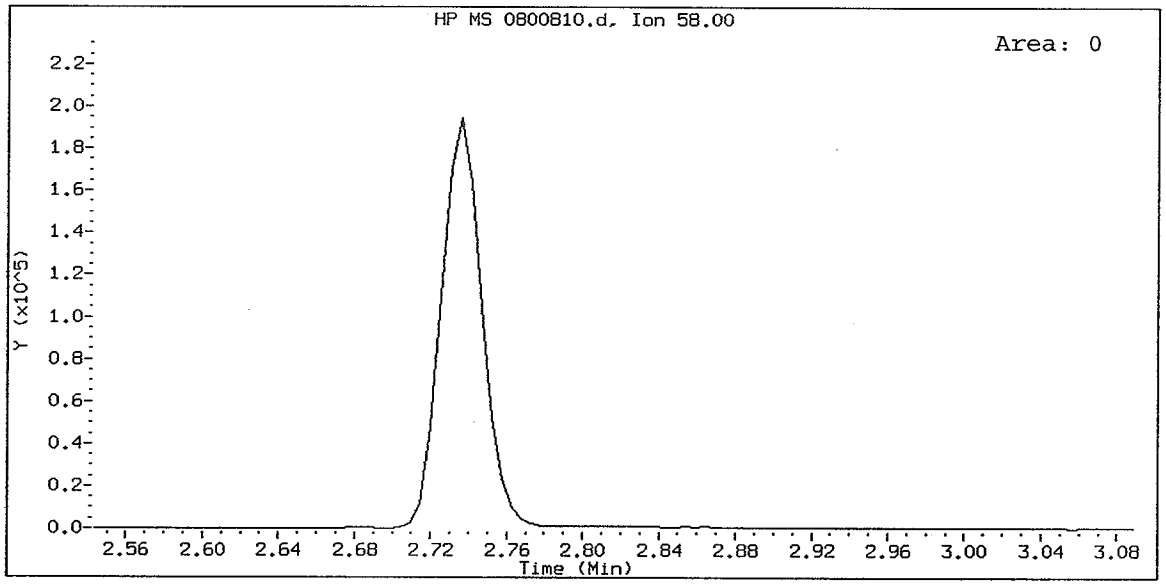
Pyridine Amount: 80.37

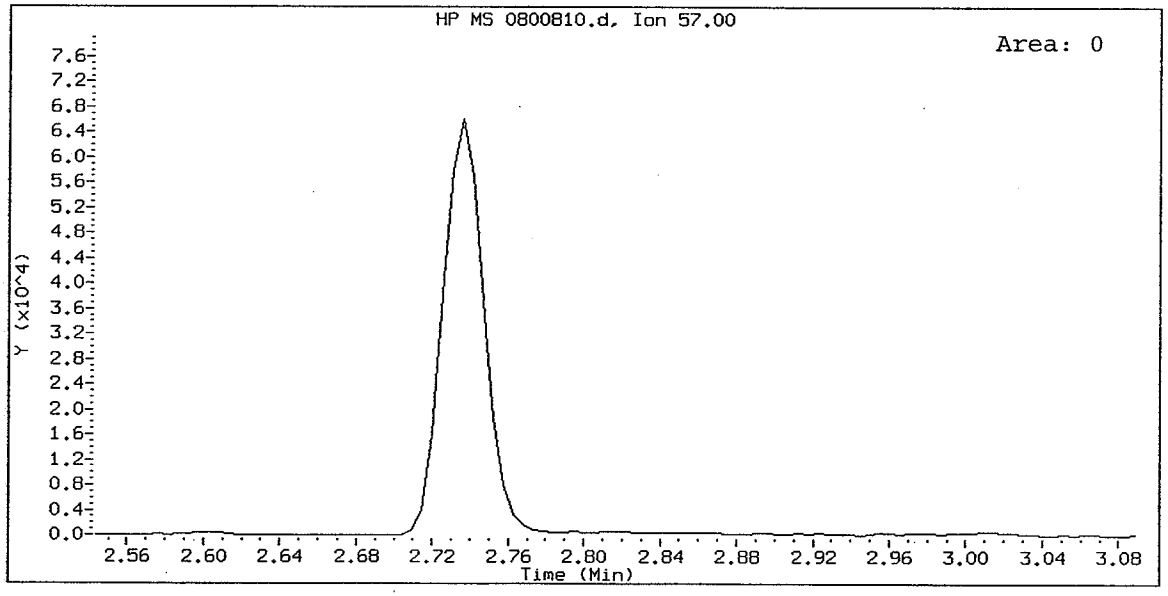




ABN 80, /chem1/nt6.i/20060810a.b/0800810.d
1,4-Dioxane Amount: 75.28







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/icv0810.d
Lab Smp Id: ABN ICV
Inj Date : 10-AUG-2006 19:00
Operator : LJR Inst ID: nt6.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 08:08 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:15 Cal File: 0800810.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
	3 Phenol	94	7.217	7.245	(0.943)	448713	26.3953	26.40
	4 Bis(2-Chloroethyl)ether	93	7.324	7.335	(0.957)	342366	27.0506	27.05
	6 2-Chlorophenol	128	7.372	7.384	(0.964)	303245	27.0651	27.07
	7 1,3-Dichlorobenzene	146	7.591	7.597	(0.992)	315886	26.1714	26.17
*	8 1,4-Dichlorobenzene-d4	152	7.650	7.656	(1.000)	161319	20.0000	
	9 1,4-Dichlorobenzene	146	7.677	7.683	(1.003)	317376	26.1581	26.16
	11 Benzyl alcohol	108	7.917	7.934	(1.035)	219259	25.8868	25.89
	12 1,2-Dichlorobenzene	146	7.965	7.971	(1.041)	306050	27.0476	27.05
	13 2-Methylphenol	108	8.142	8.153	(1.064)	302316	26.9704	26.97
	14 2,2'-oxybis(1-Chloropropane)	45	8.179	8.190	(1.069)	513800	27.2347	27.23
	15 4-Methylphenol	108	8.371	8.388	(1.094)	310609	27.0565	27.06
	16 N-Nitroso-di-n-propylamine	70	8.393	8.415	(1.097)	266981	26.4701	26.47
	17 Hexachloroethane	117	8.446	8.452	(1.104)	136050	27.6331	27.63
	19 Nitrobenzene	77	8.590	8.607	(0.888)	373249	26.8735	26.87
	20 Isophorone	82	8.970	8.992	(0.927)	673746	27.3836	27.38
	21 2-Nitrophenol	139	9.103	9.114	(0.941)	152328	27.1103	27.11
	22 2,4-Dimethylphenol	107	9.205	9.221	(0.951)	310427	26.2242	26.22
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.376	(0.967)	386814	25.8818	25.88
	24 Benzoic acid	105	9.386	9.547	(0.970)	217532	26.2503	26.25(M)
	25 2,4-Dichlorophenol	162	9.483	9.494	(0.980)	221372	27.0702	27.07
	26 1,2,4-Trichlorobenzene	180	9.621	9.627	(0.994)	231534	26.0872	26.09
*	27 Naphthalene-d8	136	9.675	9.681	(1.000)	591944	20.0000	
	28 Naphthalene	128	9.707	9.718	(1.003)	794344	27.5763	27.58
	29 4-Chloroaniline	127	9.846	9.857	(1.018)	353321	26.7201	26.72
	30 Hexachlorobutadiene	225	10.027	10.028	(1.036)	108338	25.3826	25.38
	31 4-Chloro-3-methylphenol	107	10.647	10.658	(1.100)	262720	26.5983	26.60
	32 2-Methylnaphthalene	141	10.829	10.835	(1.119)	428964	26.2402	26.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
33 Hexachlorocyclopentadiene	237	11.213	11.214	(0.894)	92239	27.8804	27.88
34 2,4,6-Trichlorophenol	196	11.342	11.347	(0.904)	142306	27.1603	27.16
35 2,4,5-Trichlorophenol	196	11.390	11.401	(0.908)	155034	27.5160	27.52
37 2-Chloronaphthalene	162	11.609	11.620	(0.925)	473200	26.3621	26.36
38 2-Nitroaniline	65	11.838	11.850	(0.944)	186585	26.3264	26.33
39 Dimethylphthalate	163	12.218	12.234	(0.974)	507620	26.2288	26.23
40 Acenaphthylene	152	12.287	12.298	(0.980)	747740	25.8696	25.87
41 2,6-Dinitrotoluene	165	12.309	12.325	(0.981)	115100	27.3212	27.32
* 42 Acenaphthene-d10	164	12.544	12.549	(1.000)	316712	20.0000	
43 3-Nitroaniline	138	12.517	12.533	(0.998)	142651	26.4957	26.50
44 Acenaphthene	153	12.597	12.608	(1.004)	473172	26.2230	26.22
45 2,4-Dinitrophenol	184	12.682	12.699	(1.011)	19048	22.7965	22.80
46 Dibenzofuran	168	12.853	12.870	(1.025)	629688	26.2006	26.20
47 4-Nitrophenol	109	12.805	12.833	(1.021)	69546	25.4623	25.46
48 2,4-Dinitrotoluene	165	12.939	12.950	(1.032)	149833	27.2814	27.28
49 Fluorene	166	13.414	13.426	(1.069)	522698	26.0873	26.09
50 Diethylphthalate	149	13.377	13.393	(1.066)	508224	25.7744	25.77
51 4-Chlorophenyl-phenylether	204	13.441	13.447	(1.072)	226009	25.4255	25.43
52 4-Nitroaniline	138	13.511	13.543	(1.077)	130469	24.8667	24.87
53 4,6-Dinitro-2-methylphenol	198	13.591	13.618	(0.911)	45233	25.5709	25.57
54 N-Nitrosodiphenylamine	169	13.644	13.661	(0.914)	367649	39.4256	39.43(R)
56 4-Bromophenyl-phenylether	248	14.226	14.238	(0.953)	118951	27.0230	27.02
57 Hexachlorobenzene	284	14.451	14.457	(0.968)	127628	26.4742	26.47
58 Pentachlorophenol	266	14.739	14.756	(0.987)	71118	27.6926	27.69
* 59 Phenanthrene-d10	188	14.926	14.937	(1.000)	447490	20.0000	
60 Phenanthrene	178	14.969	14.980	(1.003)	702656	28.3026	28.30
61 Anthracene	178	15.038	15.050	(1.008)	719789	26.9061	26.91
62 Carbazole	167	15.321	15.333	(1.026)	643975	27.3580	27.36
63 Di-n-butylphthalate	149	16.043	16.049	(1.075)	830915	27.1139	27.11
64 Fluoranthene	202	16.913	16.925	(1.133)	672400	25.4631	25.46
65 Pyrene	202	17.271	17.283	(0.897)	715771	26.8477	26.85
67 Butylbenzylphthalate	149	18.468	18.479	(0.959)	355045	26.8981	26.90
68 Benzo(a)anthracene	228	19.237	19.248	(0.999)	529658	25.5711	25.57
* 69 Chrysene-d12	240	19.264	19.275	(1.000)	313271	20.0000	
70 3,3'-Dichlorobenzidine	252	19.243	19.254	(0.999)	184452	25.3448	25.34
71 Chrysene	228	19.307	19.323	(1.002)	547466	26.2362	26.24
72 bis(2-Ethylhexyl)phthalate	149	19.467	19.473	(0.954)	495112	26.9229	26.92
* 134 Di-n-octylphthalate-d4	153	20.402	20.408	(1.000)	704463	20.0000	
73 Di-n-octylphthalate	149	20.418	20.424	(1.001)	802079	25.9790	25.98
74 Benzo(b)fluoranthene	252	20.899	20.921	(0.975)	606920	25.4763	25.48
75 Benzo(k)fluoranthene	252	20.936	20.953	(0.977)	652747	29.2328	29.23
76 Benzo(a)pyrene	252	21.347	21.369	(0.996)	591346	27.2642	27.26
* 77 Perylene-d12	264	21.428	21.433	(1.000)	383014	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.982	23.009	(1.073)	742955	27.3400	27.34
79 Dibenzo(a,h)anthracene	278	23.003	23.036	(1.074)	617500	27.4196	27.42
80 Benzo(g,h,i)perylene	276	23.415	23.453	(1.093)	699439	27.8607	27.86
103 Pyridine	79	3.382	3.382	(0.442)	427820	29.1001	29.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
90 N-Nitrosodimethylamine	74	3.403	3.420	(0.445)	228956	26.4557	26.46
91 Aniline	93	7.207	7.218	(0.942)	532347	27.9418	27.94
105 1-methylnaphthalene	141	11.000	11.011	(1.137)	462915	27.8094	27.81
111 Azobenzene (1,2-DP-Hydrazine)	77	13.692	13.709	(1.092)	706470	27.5907	27.59
93 Benzidine	184	17.159	17.170	(0.891)	310976	24.3058	24.31

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: icv0810.d
Lab Smp Id: ABN ICV
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	161319	5.24
27 Naphthalene-d8	566754	283377	1133508	591944	4.44
42 Acenaphthene-d10	308375	154188	616750	316712	2.70
59 Phenanthrene-d10	447684	223842	895368	447490	-0.04
69 Chrysene-d12	331290	165645	662580	313271	-5.44
134 Di-n-octylphthala	733535	366768	1467070	704463	-3.96
77 Perylene-d12	403979	201990	807958	383014	-5.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.03
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.03
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ABN ICV
Level:
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Client SDG: 20060810a
Fraction: SV

Operator: LJR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	25.00	26.40	105.58	
4 Bis(2-Chloroethyl)	25.00	27.05	108.20	
6 2-Chlorophenol	25.00	27.07	108.26	
7 1,3-Dichlorobenzen	25.00	26.17	104.69	
9 1,4-Dichlorobenzen	25.00	26.16	104.63	
11 Benzyl alcohol	25.00	25.89	103.55	
12 1,2-Dichlorobenzen	25.00	27.05	108.19	
13 2-Methylphenol	25.00	26.97	107.88	
14 2,2'-oxybis(1-Chlo	25.00	27.23	108.94	
15 4-Methylphenol	25.00	27.06	108.23	
16 N-Nitroso-di-n-pro	25.00	26.47	105.88	
19 Nitrobenzene	25.00	26.87	107.49	
20 Isophorone	25.00	27.38	109.53	
21 2-Nitrophenol	25.00	27.11	108.44	
22 2,4-Dimethylphenol	25.00	26.22	104.90	
23 Bis(2-Chloroethoxy	25.00	25.88	103.53	
24 Benzoic acid	25.00	26.25	105.00	
25 2,4-Dichlorophenol	25.00	27.07	108.28	
26 1,2,4-Trichloroben	25.00	26.09	104.35	
28 Naphthalene	25.00	27.58	110.31	
29 4-Chloroaniline	25.00	26.72	106.88	
30 Hexachlorobutadien	25.00	25.38	101.53	
31 4-Chloro-3-methylp	25.00	26.60	106.39	
32 2-Methylnaphthalen	25.00	26.24	104.96	
33 Hexachlorocyclopen	25.00	27.88	111.52	
34 2,4,6-Trichlorophe	25.00	27.16	108.64	
35 2,4,5-Trichlorophe	25.00	27.52	110.06	
37 2-Chloronaphthalen	25.00	26.36	105.45	
39 Dimethylphthalate	25.00	26.23	104.92	
40 Acenaphthylene	25.00	25.87	103.48	
43 3-Nitroaniline	25.00	26.50	105.98	
44 Acenaphthene	25.00	26.22	104.89	
46 Dibenzofuran	25.00	26.20	104.80	

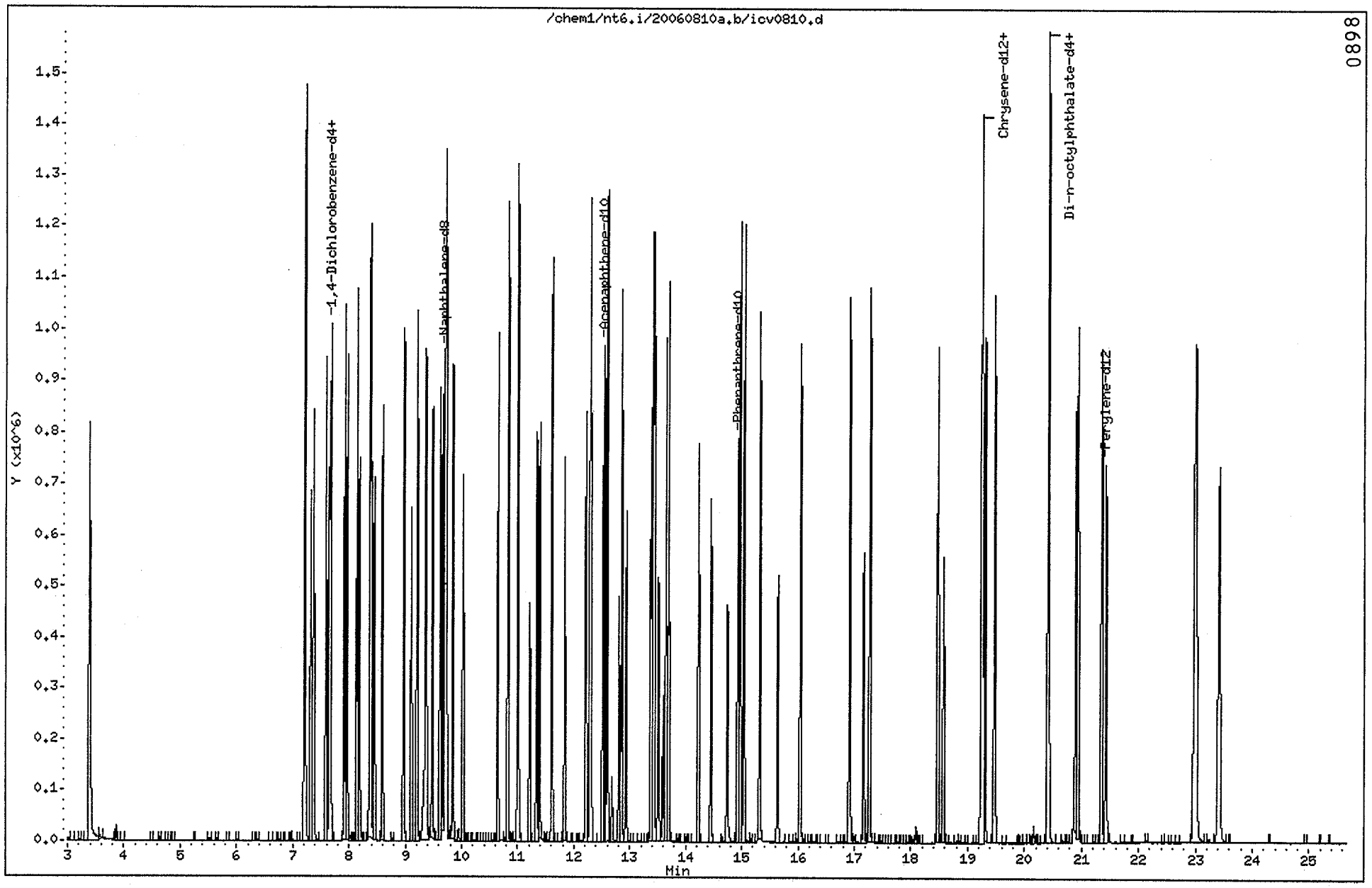
SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
48	2,4-Dinitrotoluene	25.00	27.28	109.13	
49	Fluorene	25.00	26.09	104.35	
50	Diethylphthalate	25.00	25.77	103.10	
51	4-Chlorophenyl-phe	25.00	25.43	101.70	
52	4-Nitroaniline	25.00	24.87	99.47	
53	4,6-Dinitro-2-meth	25.00	25.57	102.28	
54	N-Nitrosodiphenyla	25.00	39.43	157.70*	
56	4-Bromophenyl-phen	25.00	27.02	108.09	
57	Hexachlorobenzene	25.00	26.47	105.90	
58	Pentachlorophenol	25.00	27.69	110.77	
60	Phenanthrene	25.00	28.30	113.21	
61	Anthracene	25.00	26.91	107.62	
62	Carbazole	25.00	27.36	109.43	
63	Di-n-butylphthalat	25.00	27.11	108.46	
64	Fluoranthene	25.00	25.46	101.85	
65	Pyrene	25.00	26.85	107.39	
67	Butylbenzylphthala	25.00	26.90	107.59	
68	Benzo(a)anthracene	25.00	25.57	102.28	
70	3,3'-Dichlorobenzi	25.00	25.34	101.38	
71	Chrysene	25.00	26.24	104.94	
72	bis(2-Ethylhexyl)p	25.00	26.92	107.69	
73	Di-n-octylphthalat	25.00	25.98	103.92	
74	Benzo(b)fluoranthe	25.00	25.48	101.91	
75	Benzo(k)fluoranthe	25.00	29.23	116.93	
76	Benzo(a)pyrene	25.00	27.26	109.06	
78	Indeno(1,2,3-cd)py	25.00	27.34	109.36	
79	Dibenzo(a,h)anthra	25.00	27.42	109.68	
80	Benzo(g,h,i)peryle	25.00	27.86	111.44	
103	Pyridine	25.00	29.10	116.40	
90	N-Nitrosodimethyla	25.00	26.46	105.82	
91	Aniline	25.00	27.94	111.77	
105	1-methylnaphthalen	25.00	27.81	111.24	
111	Azobenzene (1,2-DP	25.00	27.59	110.36	
93	Benzidine	25.00	24.31	97.22	

Data File: /chem1/nt6.i/20060810a.b/icv0810.d
Date : 10-AUG-2006 19:00
Client ID:
Sample Info: ABN ICV

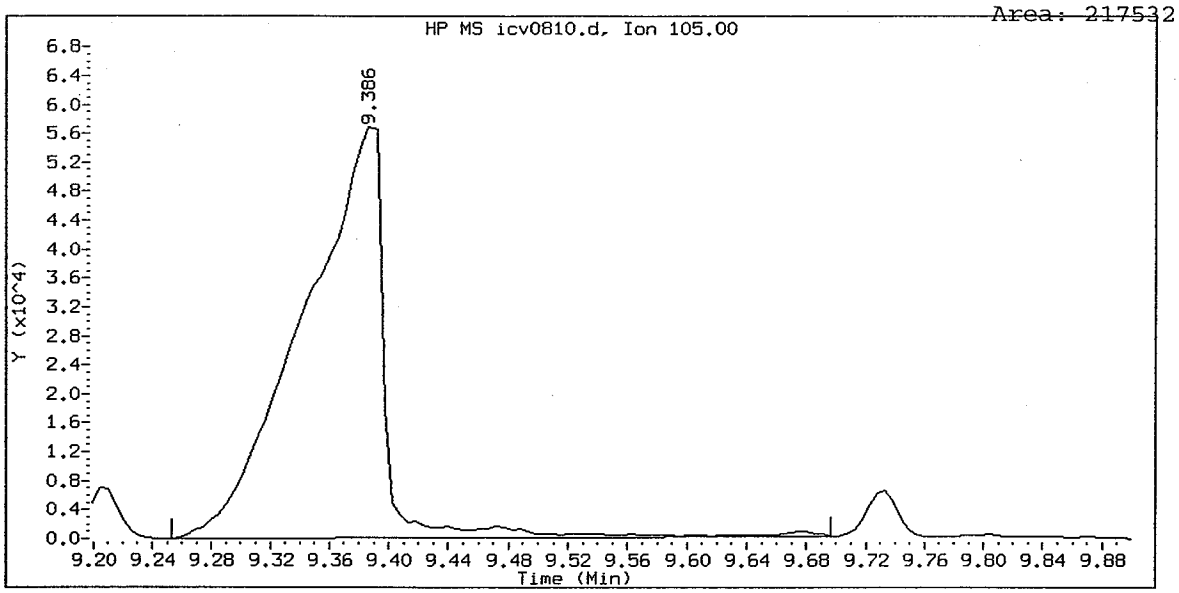
Column phase: ZB-5

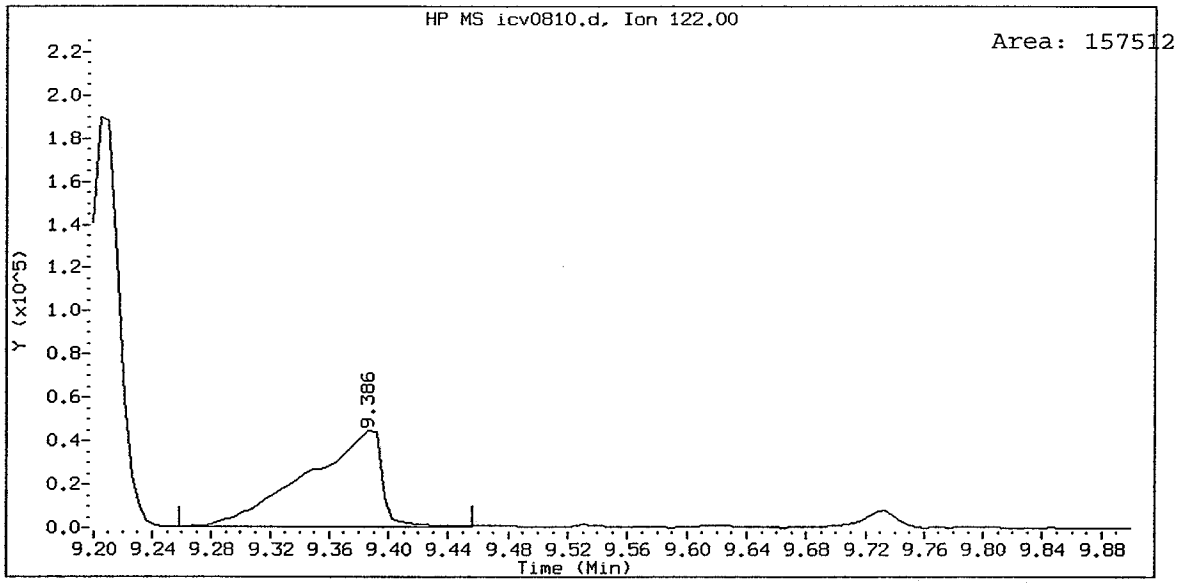
Instrument: nt6.i

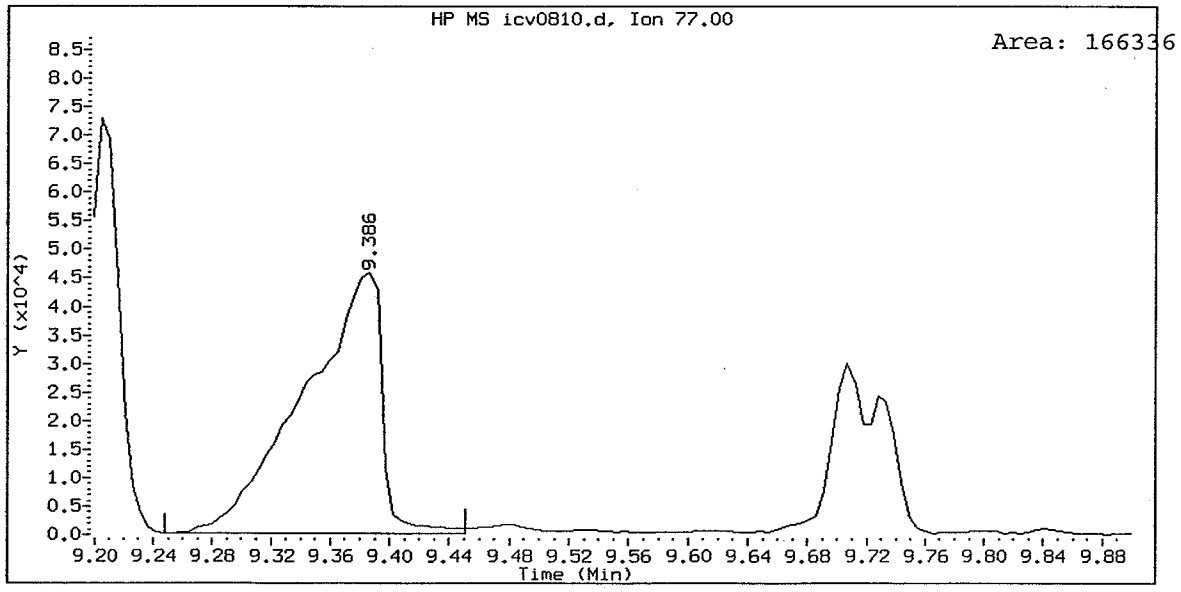
Operator: LJR
Column diameter: 0.32



ABN ICV, /chem1/nt6.i/20060810a.b/icv0810.d
Benzoic acid Amount: 26.25







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060810a.b/icv0810.d
Lab Smp Id: ABN ICV
Inj Date : 10-AUG-2006 19:00
Operator : LJR Inst ID: nt6.i
Smp Info : ABN ICV
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060810a.b/SW846.m
Meth Date : 11-Aug-2006 12:21 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 16:15 Cal File: 0800810.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50

LJR
8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)
	3 Phenol	94	7.217	7.229	(0.943)	448713	26.3953	26.40
	4 Bis(2-Chloroethyl)ether	93	7.324	7.331	(0.957)	342366	27.0506	27.05
	6 2-Chlorophenol	128	7.372	7.379	(0.964)	303245	27.0651	27.07
	7 1,3-Dichlorobenzene	146	7.591	7.592	(0.992)	315886	26.1714	26.17
*	8 1,4-Dichlorobenzene-d4	152	7.650	7.651	(1.000)	161319	20.0000	
	9 1,4-Dichlorobenzene	146	7.677	7.678	(1.003)	317376	26.1581	26.16
	11 Benzyl alcohol	108	7.917	7.924	(1.035)	219259	25.8868	25.89
	12 1,2-Dichlorobenzene	146	7.965	7.966	(1.041)	306050	27.0476	27.05
	13 2-Methylphenol	108	8.142	8.143	(1.064)	302316	26.9704	26.97
	14 2,2'-oxybis(1-Chloropropane)	45	8.179	8.185	(1.069)	513800	27.2347	27.23
	15 4-Methylphenol	108	8.371	8.378	(1.094)	310609	27.0565	27.06
	16 N-Nitroso-di-n-propylamine	70	8.393	8.405	(1.097)	266981	26.4701	26.47
	17 Hexachloroethane	117	8.446	8.447	(1.104)	136050	27.6331	27.63
	19 Nitrobenzene	77	8.590	8.597	(0.888)	373249	26.8735	26.87
	20 Isophorone	82	8.970	8.976	(0.927)	673746	27.3836	27.38
	21 2-Nitrophenol	139	9.103	9.110	(0.941)	152328	27.1103	27.11
	22 2,4-Dimethylphenol	107	9.205	9.211	(0.951)	310427	26.2242	26.22
	23 Bis(2-Chloroethoxy)methane	93	9.360	9.366	(0.967)	386814	25.8818	25.88
	24 Benzoic acid	105	9.386	9.468	(0.970)	217532	26.2503	26.25 (M)
	25 2,4-Dichlorophenol	162	9.483	9.484	(0.980)	221372	27.0702	27.07
	26 1,2,4-Trichlorobenzene	180	9.621	9.623	(0.994)	231534	26.0872	26.09
*	27 Naphthalene-d8	136	9.675	9.676	(1.000)	591944	20.0000	
	28 Naphthalene	128	9.707	9.708	(1.003)	794344	27.5763	27.58
	29 4-Chloroaniline	127	9.846	9.847	(1.018)	353321	26.7201	26.72
	30 Hexachlorobutadiene	225	10.027	10.028	(1.036)	108338	25.3826	25.38
	31 4-Chloro-3-methylphenol	107	10.647	10.648	(1.100)	262720	26.5983	26.60
	32 2-Methylnaphthalene	141	10.829	10.830	(1.119)	428964	26.2402	26.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
33 Hexachlorocyclopentadiene	237	11.213	11.214	(0.894)	92239	27.8804	27.88
34 2,4,6-Trichlorophenol	196	11.342	11.343	(0.904)	142306	27.1603	27.16
35 2,4,5-Trichlorophenol	196	11.390	11.396	(0.908)	155034	27.5160	27.52
37 2-Chloronaphthalene	162	11.609	11.610	(0.925)	473200	26.3621	26.36
38 2-Nitroaniline	65	11.838	11.839	(0.944)	186585	26.3264	26.33
39 Dimethylphthalate	163	12.218	12.224	(0.974)	507620	26.2288	26.23
40 Acenaphthylene	152	12.287	12.294	(0.980)	747740	25.8696	25.87
41 2,6-Dinitrotoluene	165	12.309	12.315	(0.981)	115100	27.3212	27.32
* 42 Acenaphthene-d10	164	12.544	12.545	(1.000)	316712	20.0000	
43 3-Nitroaniline	138	12.517	12.523	(0.998)	142651	26.4957	26.50
44 Acenaphthene	153	12.597	12.598	(1.004)	473172	26.2230	26.22
45 2,4-Dinitrophenol	184	12.682	12.689	(1.011)	19048	22.7965	22.80
46 Dibenzofuran	168	12.853	12.860	(1.025)	629688	26.2006	26.20
47 4-Nitrophenol	109	12.805	12.822	(1.021)	69546	25.4623	25.46
48 2,4-Dinitrotoluene	165	12.939	12.940	(1.032)	149833	27.2814	27.28
49 Fluorene	166	13.414	13.421	(1.069)	522698	26.0873	26.09
50 Diethylphthalate	149	13.377	13.383	(1.066)	508224	25.7744	25.77
51 4-Chlorophenyl-phenylether	204	13.441	13.442	(1.072)	226009	25.4255	25.43
52 4-Nitroaniline	138	13.511	13.522	(1.077)	130469	24.8667	24.87
53 4,6-Dinitro-2-methylphenol	198	13.591	13.602	(0.911)	45233	25.5709	25.57
54 N-Nitrosodiphenylamine	169	13.644	13.650	(0.914)	367649	39.4256	39.43 (R)
56 4-Bromophenyl-phenylether	248	14.226	14.233	(0.953)	118951	27.0230	27.02
57 Hexachlorobenzene	284	14.451	14.452	(0.968)	127628	26.4742	26.47
58 Pentachlorophenol	266	14.739	14.746	(0.987)	71118	27.6926	27.69
* 59 Phenanthrene-d10	188	14.926	14.933	(1.000)	447490	20.0000	
60 Phenanthrene	178	14.969	14.970	(1.003)	702656	28.3026	28.30
61 Anthracene	178	15.038	15.045	(1.008)	719789	26.9061	26.91
62 Carbazole	167	15.321	15.323	(1.026)	643975	27.3580	27.36
63 Di-n-butylphthalate	149	16.043	16.044	(1.075)	830915	27.1139	27.11
64 Fluoranthene	202	16.913	16.915	(1.133)	672400	25.4631	25.46
65 Pyrene	202	17.271	17.272	(0.897)	715771	26.8477	26.85
67 Butylbenzylphthalate	149	18.468	18.474	(0.959)	355045	26.8981	26.90
68 Benzo(a)anthracene	228	19.237	19.244	(0.999)	529658	25.5711	25.57
* 69 Chrysene-d12	240	19.264	19.265	(1.000)	313271	20.0000	
70 3,3'-Dichlorobenzidine	252	19.243	19.249	(0.999)	184452	25.3448	25.34
71 Chrysene	228	19.307	19.308	(1.002)	547466	26.2362	26.24
72 bis(2-Ethylhexyl)phthalate	149	19.467	19.468	(0.954)	495112	26.9229	26.92
* 134 Di-n-octylphthalate-d4	153	20.402	20.408	(1.000)	704463	20.0000	
73 Di-n-octylphthalate	149	20.418	20.419	(1.001)	802079	25.9790	25.98
74 Benzo(b)fluoranthene	252	20.899	20.905	(0.975)	606920	25.4763	25.48
75 Benzo(k)fluoranthene	252	20.936	20.937	(0.977)	652747	29.2328	29.23
76 Benzo(a)pyrene	252	21.347	21.354	(0.996)	591346	27.2642	27.26
* 77 Perylene-d12	264	21.428	21.429	(1.000)	383014	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.982	22.989	(1.073)	742955	27.3400	27.34
79 Dibenzo(a,h)anthracene	278	23.003	23.015	(1.074)	617500	27.4196	27.42
80 Benzo(g,h,i)perylene	276	23.415	23.421	(1.093)	699439	27.8607	27.86
103 Pyridine	79	3.382	3.388	(0.442)	427820	29.1001	29.10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
90 N-Nitrosodimethylamine	74	3.403	3.415	(0.445)	228956	26.4557	26.46
91 Aniline	93	7.207	7.213	(0.942)	532347	27.9418	27.94
105 1-methylnaphthalene	141	11.000	11.001	(1.137)	462915	27.8094	27.81
111 Azobenzene (1,2-DP-Hydrazine)	77	13.692	13.699	(1.092)	706470	27.5907	27.59
93 Benzidine	184	17.159	17.166	(0.891)	310976	24.3058	24.31

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: icv0810.d
Lab Smp Id: ABN ICV
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Calibration Date: 10-AUG-2006
Calibration Time: 15:42

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	153289	76644	306578	161319	5.24
27 Naphthalene-d8	566754	283377	1133508	591944	4.44
42 Acenaphthene-d10	308375	154188	616750	316712	2.70
59 Phenanthrene-d10	447684	223842	895368	447490	-0.04
69 Chrysene-d12	331290	165645	662580	313271	-5.44
134 Di-n-octylphthala	733535	366768	1467070	704463	-3.96
77 Perylene-d12	403979	201990	807958	383014	-5.19

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.54	12.04	13.04	12.54	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.03
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.41	19.91	20.91	20.40	-0.03
77 Perylene-d12	21.43	20.93	21.93	21.43	-0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: NONE
Lab Smp Id: ABN ICV
Level:
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: ICV.sub
Method File: /chem1/nt6.i/20060810a.b/SW846.m
Misc Info:

Client SDG: 20060810a
Fraction: SV

Operator: LJR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3 Phenol	25.00	26.40	105.58	
4 Bis(2-Chloroethyl)	25.00	27.05	108.20	
6 2-Chlorophenol	25.00	27.07	108.26	
7 1,3-Dichlorobenzen	25.00	26.17	104.69	
9 1,4-Dichlorobenzen	25.00	26.16	104.63	
11 Benzyl alcohol	25.00	25.89	103.55	
12 1,2-Dichlorobenzen	25.00	27.05	108.19	
13 2-Methylphenol	25.00	26.97	107.88	
14 2,2'-oxybis(1-Chlo	25.00	27.23	108.94	
15 4-Methylphenol	25.00	27.06	108.23	
16 N-Nitroso-di-n-pro	25.00	26.47	105.88	
19 Nitrobenzene	25.00	26.87	107.49	
20 Isophorone	25.00	27.38	109.53	
21 2-Nitrophenol	25.00	27.11	108.44	
22 2,4-Dimethylphenol	25.00	26.22	104.90	
23 Bis(2-Chloroethoxy	25.00	25.88	103.53	
24 Benzoic acid	25.00	26.25	105.00	
25 2,4-Dichlorophenol	25.00	27.07	108.28	
26 1,2,4-Trichloroben	25.00	26.09	104.35	
28 Naphthalene	25.00	27.58	110.31	
29 4-Chloroaniline	25.00	26.72	106.88	
30 Hexachlorobutadien	25.00	25.38	101.53	
31 4-Chloro-3-methylp	25.00	26.60	106.39	
32 2-Methylnaphthalen	25.00	26.24	104.96	
33 Hexachlorocyclopen	25.00	27.88	111.52	
34 2,4,6-Trichlorophe	25.00	27.16	108.64	
35 2,4,5-Trichlorophe	25.00	27.52	110.06	
37 2-Chloronaphthalen	25.00	26.36	105.45	
39 Dimethylphthalate	25.00	26.23	104.92	
40 Acenaphthylene	25.00	25.87	103.48	
43 3-Nitroaniline	25.00	26.50	105.98	
44 Acenaphthene	25.00	26.22	104.89	
46 Dibenzofuran	25.00	26.20	104.80	

OK

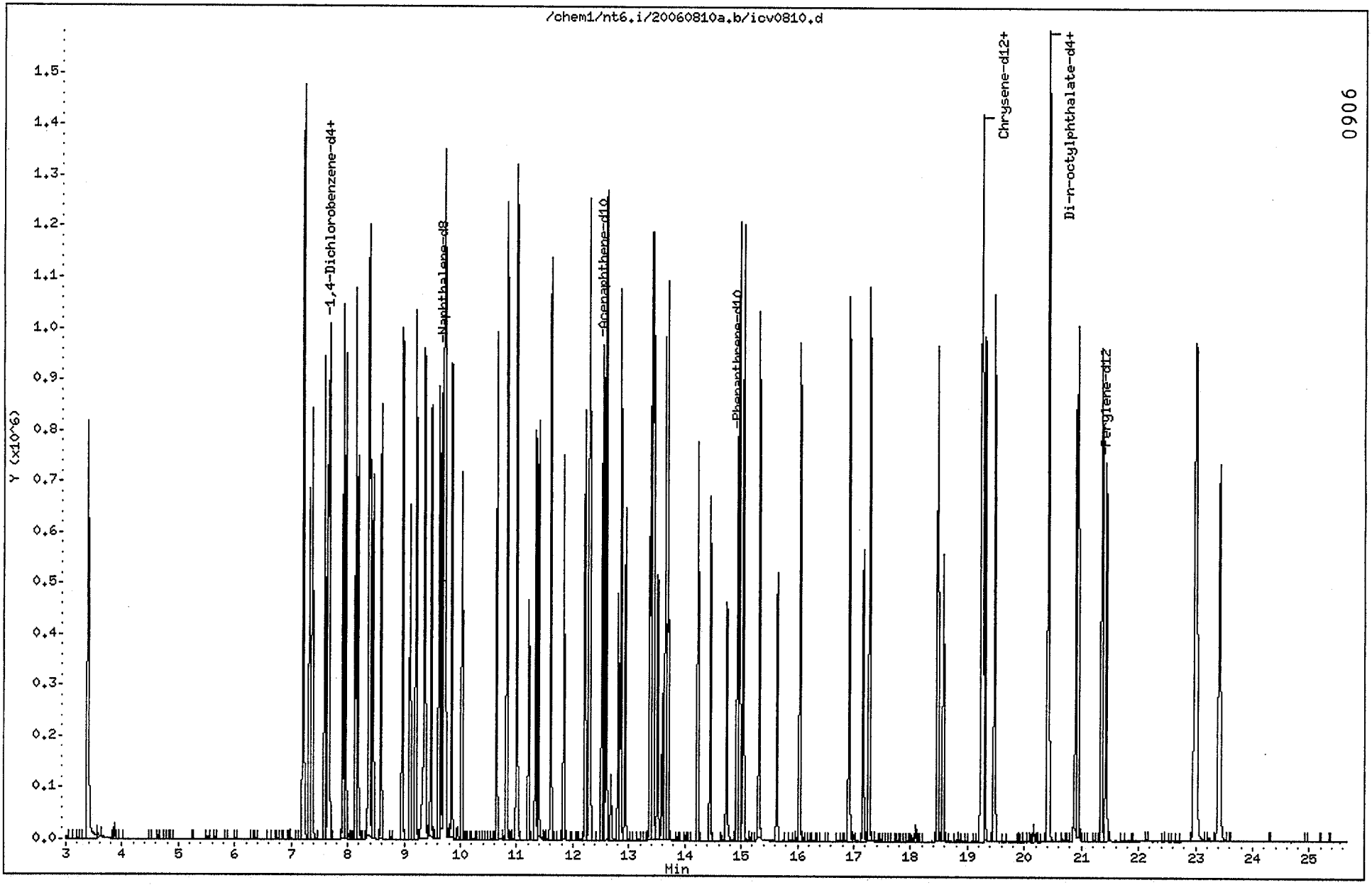
SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
48 2,4-Dinitrotoluene	25.00	27.28	109.13	
49 Fluorene	25.00	26.09	104.35	
50 Diethylphthalate	25.00	25.77	103.10	
51 4-Chlorophenyl-phe	25.00	25.43	101.70	
52 4-Nitroaniline	25.00	24.87	99.47	
53 4,6-Dinitro-2-meth	25.00	25.57	102.28	
54 N-Nitrosodiphenyla	25.00	39.43	157.70*	
56 4-Bromophenyl-phen	25.00	27.02	108.09	
57 Hexachlorobenzene	25.00	26.47	105.90	
58 Pentachlorophenol	25.00	27.69	110.77	
60 Phenanthrene	25.00	28.30	113.21	
61 Anthracene	25.00	26.91	107.62	
62 Carbazole	25.00	27.36	109.43	
63 Di-n-butylphthalat	25.00	27.11	108.46	
64 Fluoranthene	25.00	25.46	101.85	
65 Pyrene	25.00	26.85	107.39	
67 Butylbenzylphthala	25.00	26.90	107.59	
68 Benzo(a)anthracene	25.00	25.57	102.28	
70 3,3'-Dichlorobenzi	25.00	25.34	101.38	
71 Chrysene	25.00	26.24	104.94	
72 bis(2-Ethylhexyl)p	25.00	26.92	107.69	
73 Di-n-octylphthalat	25.00	25.98	103.92	
74 Benzo(b)fluoranthe	25.00	25.48	101.91	
75 Benzo(k)fluoranthe	25.00	29.23	116.93	
76 Benzo(a)pyrene	25.00	27.26	109.06	
78 Indeno(1,2,3-cd)py	25.00	27.34	109.36	
79 Dibenzo(a,h)anthra	25.00	27.42	109.68	
80 Benzo(g,h,i)peryle	25.00	27.86	111.44	
103 Pyridine	25.00	29.10	116.40	
90 N-Nitrosodimethyla	25.00	26.46	105.82	
91 Aniline	25.00	27.94	111.77	
105 1-methylnaphthalen	25.00	27.81	111.24	
111 Azobenzene (1,2-DP	25.00	27.59	110.36	
93 Benzidine	25.00	24.31	97.22	

Data File: /chem1/nt6.i/20060810a.b/icv0810.d
Date : 10-AUG-2006 19:00
Client ID:
Sample Info: ABN ICV

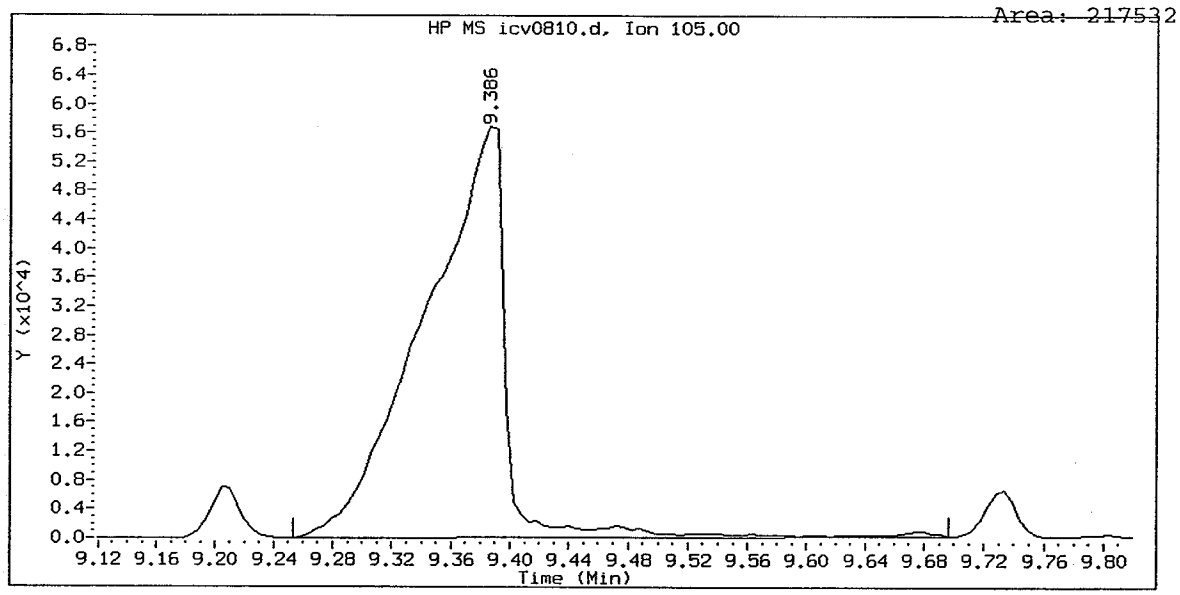
Instrument: nt6.i

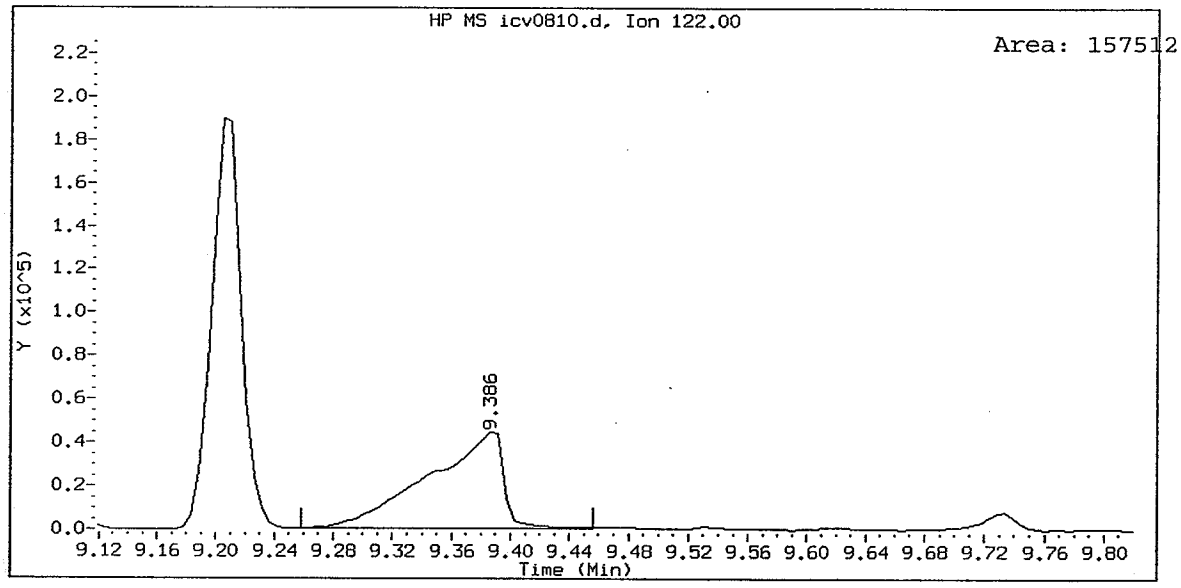
Operator: LJR
Column diameter: 0.32

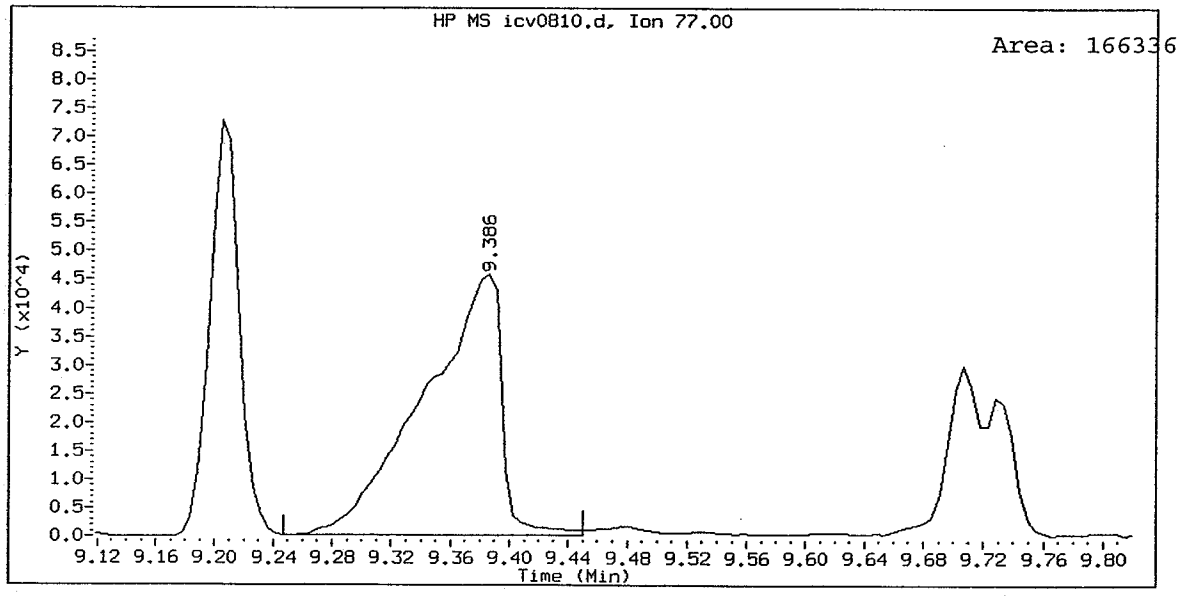
Column phase: ZB-5

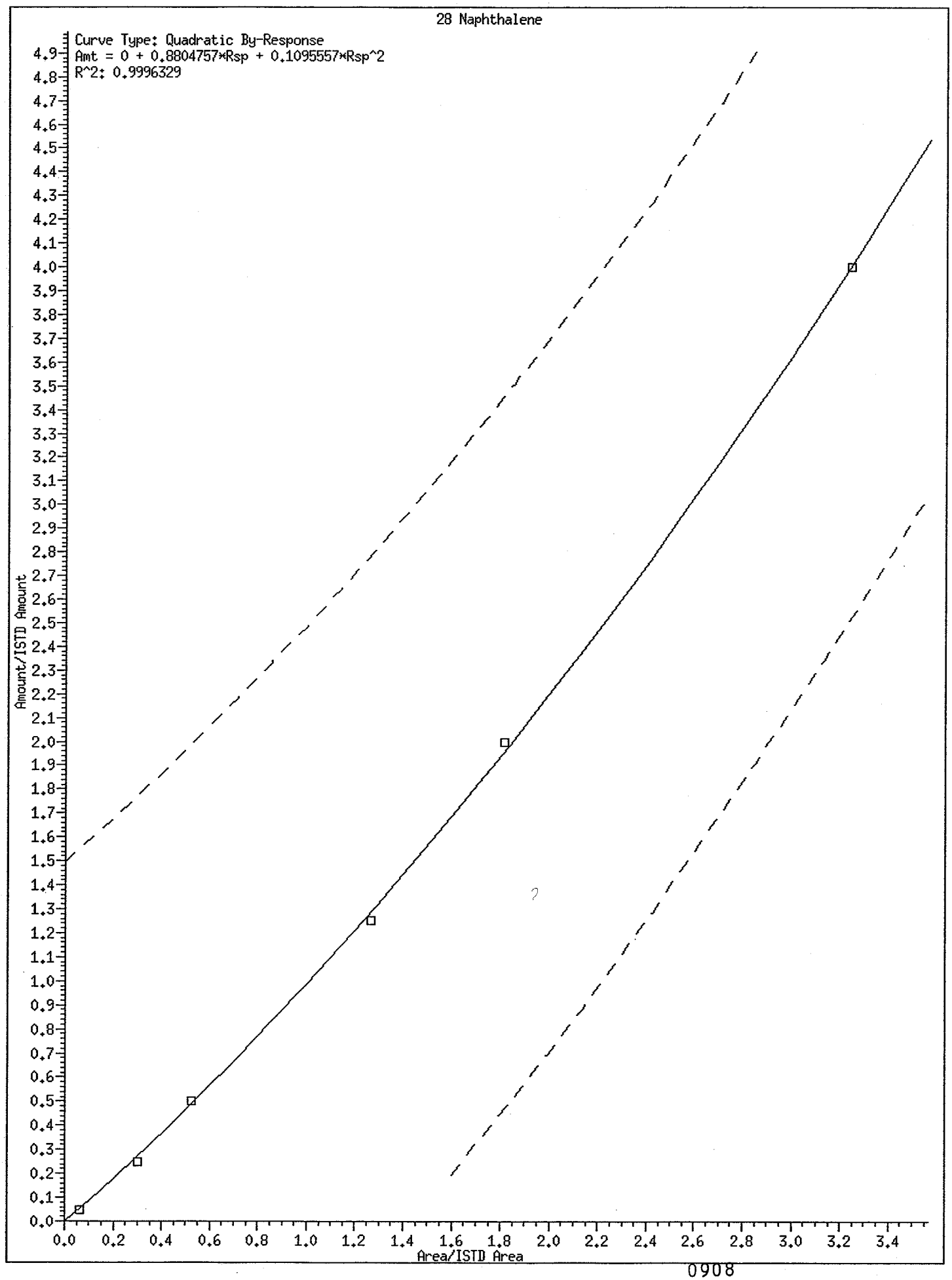


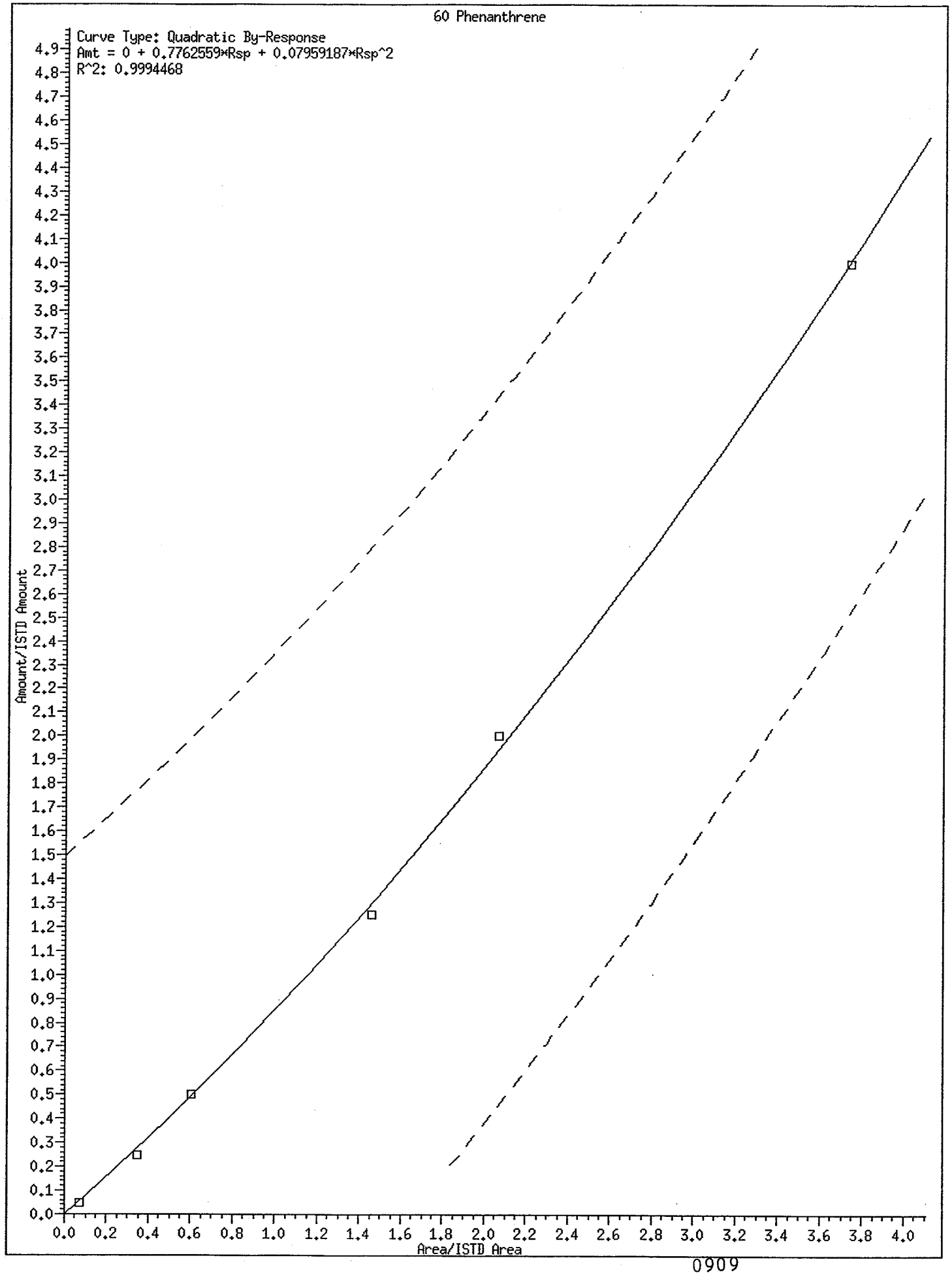
ABN ICV, /chem1/nt6.i/20060810a.b/icv0810.d
Benzoic acid Amount: 26.25

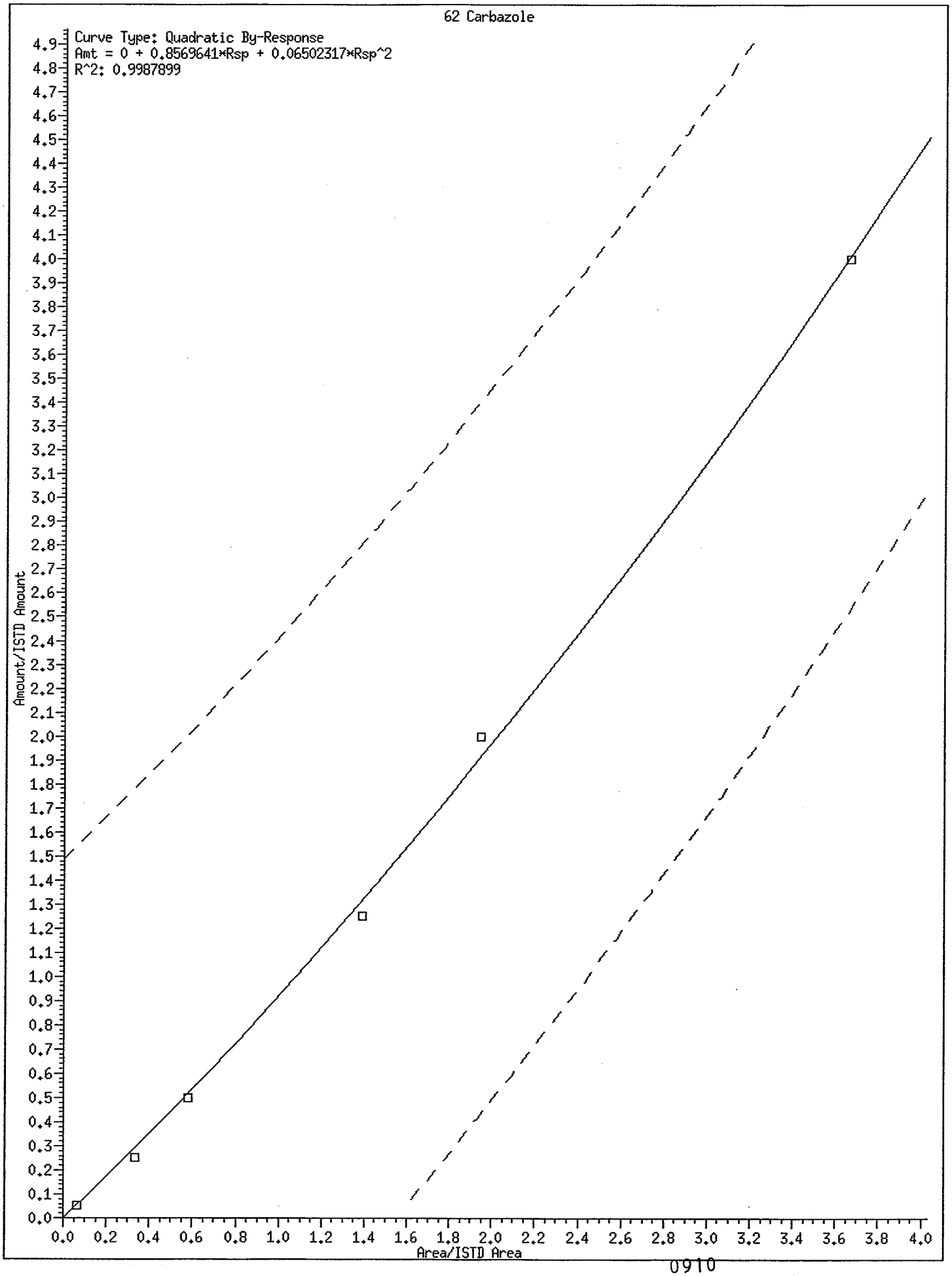


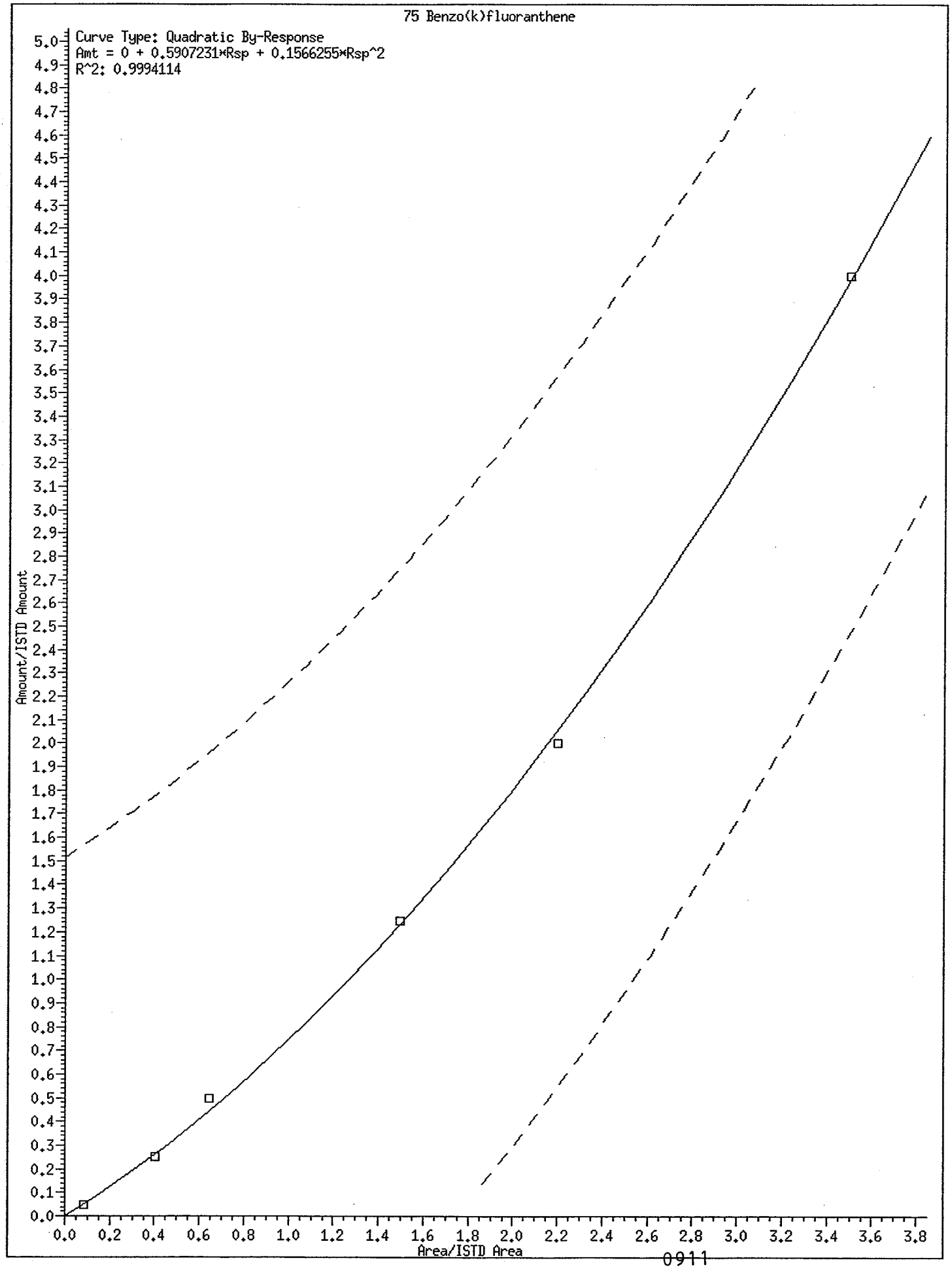





28 Naphthalene
Curve Type: Quadratic By-Response
Amt = 0 + 0.8804757*Rsp + 0.1095557*Rsp^2
R^2: 0.9996329
Amount/ISTD Amount
Area/ISTD Area


60 Phenanthrene
Curve Type: Quadratic By-Response
Amt = 0 + 0.7762559*Rsp + 0.07959187*Rsp^2
R^2: 0.9994468
Amount/ISTD Amount
Area/ISTD Area


62 Carbazole
Curve Type: Quadratic By-Response
Amt = 0 + 0.8569641*Rsp + 0.06502317*Rsp^2
R^2: 0.9987899
Amount/ISTD Amount
Area/ISTD Area


75 Benzo(k)fluoranthene
Curve Type: Quadratic By-Response
Amt = 0 + 0.5907231*Rsp + 0.1566255*Rsp^2
R^2: 0.9994114
Amount/ISTD Amount
Area/ISTD Area

7B

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/11/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 0830

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
Phenol	24.86	25.00	AVRG	0.6	20.0
Bis(2-Chloroethyl)ether	25.52	25.00	AVRG	-2.1	
2-Chlorophenol	25.60	25.00	AVRG	-2.4	
1,3-Dichlorobenzene	25.37	25.00	AVRG	-1.5	
1,4-Dichlorobenzene	25.35	25.00	AVRG	-1.4	20.0
1,2-Dichlorobenzene	25.29	25.00	AVRG	-1.2	
Benzyl alcohol	25.65	25.00	AVRG	-2.6	
2,2'-oxybis(1-Chloropropane)	25.30	25.00	AVRG	-1.2	
2-Methylphenol	25.60	25.00	AVRG	-2.4	
Hexachloroethane	25.98	25.00	AVRG	-3.9	
N-Nitroso-di-n-propylamine	25.60	25.00	AVRG	-2.4	
4-Methylphenol	25.66	25.00	AVRG	-2.6	
Nitrobenzene	25.59	25.00	AVRG	-2.4	
Isophorone	25.26	25.00	AVRG	-1.0	
2-Nitrophenol	26.21	25.00	AVRG	-4.8	20.0
2,4-Dimethylphenol	25.22	25.00	AVRG	-0.9	
Bis(2-Chloroethoxy)methane	24.79	25.00	AVRG	0.8	
2,4-Dichlorophenol	26.19	25.00	AVRG	-4.8	20.0
1,2,4-Trichlorobenzene	24.92	25.00	AVRG	0.3	
Naphthalene	26.12	25.00	2ORDR	-4.5	
Benzoic acid	56.13	50.00	AVRG	-12.3	
4-Chloroaniline	25.65	25.00	AVRG	-2.6	
Hexachlorobutadiene	24.92	25.00	AVRG	0.3	20.0
4-Chloro-3-methylphenol	25.35	25.00	AVRG	-1.4	20.0
2-Methylnaphthalene	24.66	25.00	AVRG	1.4	
Hexachlorocyclopentadiene	26.97	25.00	AVRG	-7.9	
2,4,6-Trichlorophenol	25.76	25.00	AVRG	-3.0	20.0
2,4,5-Trichlorophenol	25.70	25.00	AVRG	-2.8	
2-Chloronaphthalene	24.53	25.00	AVRG	1.9	
2-Nitroaniline	25.70	25.00	AVRG	-2.8	
Acenaphthylene	24.70	25.00	AVRG	1.2	
Dimethylphthalate	24.90	25.00	AVRG	0.4	
2,6-Dinitrotoluene	26.06	25.00	AVRG	-4.2	
Acenaphthene	24.78	25.00	AVRG	0.9	20.0
3-Nitroaniline	25.71	25.00	AVRG	-2.8	
2,4-Dinitrophenol	60.24	50.00	AVRG	-20.5	
Dibenzofuran	24.37	25.00	AVRG	2.5	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/11/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 0830

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
4-Nitrophenol	26.66	25.00	AVRG	-6.6	
2,4-Dinitrotoluene	26.29	25.00	AVRG	-5.2	
Fluorene	25.00	25.00	AVRG	0.0	
4-Chlorophenyl-phenylether	24.69	25.00	AVRG	1.2	
Diethylphthalate	24.78	25.00	AVRG	0.9	
4-Nitroaniline	25.74	25.00	AVRG	-3.0	
4,6-Dinitro-2-methylphenol	58.87	50.00	AVRG	-17.7	
N-Nitrosodiphenylamine(1)	25.23	25.00	AVRG	-0.9	
4-Bromophenyl-phenylether	25.10	25.00	AVRG	-0.4	
Hexachlorobenzene	24.42	25.00	AVRG	2.3	
Pentachlorophenol	28.07	25.00	AVRG	-12.3	20.0
Phenanthrene	25.73	25.00	2ORDR	-2.9	
Anthracene	24.69	25.00	AVRG	1.2	
Carbazole	25.97	25.00	2ORDR	-3.9	
Di-n-butylphthalate	25.08	25.00	AVRG	-0.3	
Fluoranthene	24.68	25.00	AVRG	1.3	20.0
Pyrene	24.50	25.00	AVRG	2.0	
Butylbenzylphthalate	25.58	25.00	AVRG	-2.3	
Benzo(a)anthracene	24.48	25.00	AVRG	2.1	
3,3'-Dichlorobenzidine	25.77	25.00	AVRG	-3.1	
Chrysene	24.51	25.00	AVRG	2.0	
bis(2-Ethylhexyl)phthalate	25.14	25.00	AVRG	-0.6	
Di-n-octylphthalate	24.81	25.00	AVRG	0.8	20.0
Benzo(b)fluoranthene	24.87	25.00	AVRG	0.5	
Benzo(k)fluoranthene	25.27	25.00	2ORDR	-1.1	
Benzo(a)pyrene	25.07	25.00	AVRG	-0.3	20.0
Indeno(1,2,3-cd)pyrene	24.83	25.00	AVRG	0.7	
Dibenzo(a,h)anthracene	25.34	25.00	AVRG	-1.4	
Benzo(g,h,i)perylene	25.11	25.00	AVRG	-0.4	
N-Nitrosodimethylamine	27.31	25.00	AVRG	-9.2	
Aniline	25.57	25.00	AVRG	-2.3	
Benzidine	24.31	25.00	AVRG	2.8	
Pyridine	27.12	25.00	AVRG	-8.5	
1-methylnaphthalene	25.00	25.00	AVRG	0.0	
Azobenzene (1,2-DP-Hydrazine	25.29	25.00	AVRG	-1.2	

(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: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/11/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 0830

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
2-Fluorophenol	26.12	25.00	AVRG	-4.5	
Phenol-d5	25.55	25.00	AVRG	-2.2	
2-Chlorophenol-d4	25.70	25.00	AVRG	-2.8	
1,2-Dichlorobenzene-d4	25.72	25.00	AVRG	-2.9	
Nitrobenzene-d5	25.58	25.00	AVRG	-2.3	
2-Fluorobiphenyl	24.91	25.00	AVRG	0.4	
2,4,6-Tribromophenol	26.56	25.00	AVRG	-6.2	
Terphenyl-d14	24.97	25.00	AVRG	0.1	

<- Outside QC limits

FORM VII SV-3

Data File: /chem1/nt6.i/20060811.b/cc0811.d
Report Date: 11-Aug-2006 15:01

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0811.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060811.b/SW846.m

Injection Date: 11-AUG-2006 08:30
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.54820	1.61783	1.61783	0.010	-4.49716	100	Averaged
$ 2 Phenol-d5	1.79676	1.83652	1.83652	0.010	-2.21285	100	Averaged
3 Phenol	2.10759	2.09546	2.09546	0.010	0.57562	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.45851	1.49934	1.49934	0.010	-2.79960	100	Averaged
4 Bis(2-Chloroethyl)ether	1.56913	1.60171	1.60171	0.010	-2.07658	100	Averaged
6 2-Chlorophenol	1.38909	1.42243	1.42243	0.010	-2.40072	100	Averaged
7 1,3-Dichlorobenzene	1.49640	1.51858	1.51858	0.010	-1.48176	100	Averaged
9 1,4-Dichlorobenzene	1.50423	1.52513	1.52513	0.010	-1.38975	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89415	0.91988	0.91988	0.010	-2.87708	100	Averaged
12 1,2-Dichlorobenzene	1.40284	1.41918	1.41918	0.010	-1.16481	100	Averaged
11 Benzyl alcohol	1.05008	1.07733	1.07733	0.010	-2.59452	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.33892	2.36743	2.36743	0.010	-1.21890	100	Averaged
13 2-Methylphenol	1.38969	1.42306	1.42306	0.010	-2.40121	100	Averaged
17 Hexachloroethane	0.61040	0.63444	0.63444	0.010	-3.93788	100	Averaged
16 N-Nitroso-di-n-propylamine	1.25046	1.28061	1.28061	0.050	-2.41165	100	Averaged
15 4-Methylphenol	1.42327	1.46083	1.46083	0.010	-2.63905	100	Averaged
$ 18 Nitrobenzene-d5	0.49221	0.50360	0.50360	0.010	-2.31349	100	Averaged
19 Nitrobenzene	0.46927	0.48034	0.48034	0.010	-2.35905	100	Averaged
20 Isophorone	0.83129	0.84008	0.84008	0.010	-1.05741	100	Averaged
21 2-Nitrophenol	0.18984	0.19902	0.19902	0.010	-4.83642	20.00000	Averaged
22 2,4-Dimethylphenol	0.39995	0.40350	0.40350	0.010	-0.88625	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.50496	0.50070	0.50070	0.010	0.84336	100	Averaged
24 Benzoic acid	0.27999	0.31430	0.31430	0.010	-12.25453	100	Averaged
25 2,4-Dichlorophenol	0.27630	0.28950	0.28950	0.010	-4.77728	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.29987	0.29891	0.29891	0.010	0.32095	100	Averaged
28 Naphthalene	26.11636	25.00000	1.02353	0.010	-4.46542	100	Quadratic
29 4-Chloroaniline	0.44677	0.45844	0.45844	0.010	-2.61307	100	Averaged
30 Hexachlorobutadiene	0.14421	0.14376	0.14376	0.010	0.31070	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.33372	0.33837	0.33837	0.010	-1.39259	20.00000	Averaged
32 2-Methylnaphthalene	0.55233	0.54487	0.54487	0.010	1.35085	100	Averaged
33 Hexachlorocyclopentadiene	0.20892	0.22539	0.22539	0.050	-7.88465	100	Averaged
34 2,4,6-Trichlorophenol	0.33087	0.34087	0.34087	0.010	-3.02400	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.35580	0.36572	0.36572	0.010	-2.78887	100	Averaged
$ 36 2-Fluorobiphenyl	1.28797	1.28320	1.28320	0.010	0.37023	100	Averaged
37 2-Chloronaphthalene	1.13352	1.11210	1.11210	0.010	1.89015	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0811.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060811.b/SW846.m

Injection Date: 11-AUG-2006 08:30
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Nitroaniline	0.44756	0.46009	0.46009	0.010	-2.79897	100	Averaged
39 Dimethylphthalate	1.22216	1.21731	1.21731	0.010	0.39656	100	Averaged
40 Acenaphthylene	1.82526	1.80348	1.80348	0.010	1.19322	100	Averaged
41 2,6-Dinitrotoluene	0.26604	0.27735	0.27735	0.010	-4.25299	100	Averaged
43 3-Nitroaniline	0.33999	0.34962	0.34962	0.010	-2.83203	100	Averaged
44 Acenaphthene	1.13947	1.12962	1.12962	0.010	0.86460	20.00000	Averaged
45 2,4-Dinitrophenol	0.05277	0.06357	0.06357	0.050	-20.47550	100	Averaged
46 Dibenzofuran	1.51768	1.47956	1.47956	0.010	2.51169	100	Averaged
47 4-Nitrophenol	0.17248	0.18395	0.18395	0.050	-6.64963	100	Averaged
48 2,4-Dinitrotoluene	0.34682	0.36475	0.36475	0.010	-5.16808	100	Averaged
50 Diethylphthalate	1.24518	1.23439	1.23439	0.010	0.86637	100	Averaged
49 Fluorene	1.26528	1.26507	1.26507	0.010	0.01643	100	Averaged
51 4-Chlorophenyl-phenylether	0.56133	0.55436	0.55436	0.010	1.24315	100	Averaged
52 4-Nitroaniline	0.33133	0.34115	0.34115	0.010	-2.96495	100	Averaged
53 4,6-Dinitro-2-methylphenol	0.07906	0.09308	0.09308	0.010	-17.73699	100	Averaged
54 N-Nitrosodiphenylamine	0.41678	0.42054	0.42054	0.010	-0.90367	20.00000	Averaged
$ 55 2,4,6-Tribromophenol	0.14106	0.14987	0.14987	0.010	-6.24754	100	Averaged
56 4-Bromophenyl-phenylether	0.19673	0.19755	0.19755	0.010	-0.41626	100	Averaged
57 Hexachlorobenzene	0.21546	0.21048	0.21048	0.010	2.31101	100	Averaged
58 Pentachlorophenol	0.11478	0.12889	0.12889	0.010	-12.29044	20.00000	Averaged
60 Phenanthrene	25.73261	25.00000	1.15501	0.010	-2.93044	100	Quadratic
61 Anthracene	1.19564	1.18106	1.18106	0.010	1.22006	100	Averaged
62 Carbazole	25.97266	25.00000	1.09797	0.010	-3.89066	100	Quadratic
63 Di-n-butylphthalate	1.36965	1.37382	1.37382	0.010	-0.30390	100	Averaged
64 Fluoranthene	1.18022	1.16503	1.16503	0.010	1.28679	20.00000	Averaged
65 Pyrene	1.70207	1.66824	1.66824	0.010	1.98737	100	Averaged
$ 66 Terphenyl-d14	1.03340	1.03200	1.03200	0.010	0.13487	100	Averaged
67 Butylbenzylphthalate	0.84270	0.86239	0.86239	0.010	-2.33658	100	Averaged
68 Benzo(a)anthracene	1.32238	1.29493	1.29493	0.010	2.07594	100	Averaged
70 3,3'-Dichlorobenzidine	0.46463	0.47892	0.47892	0.010	-3.07517	100	Averaged
71 Chrysene	1.33219	1.30619	1.30619	0.010	1.95170	100	Averaged
72 bis(2-Ethylhexyl)phthalate	0.52210	0.52500	0.52500	0.010	-0.55497	100	Averaged
73 Di-n-octylphthalate	0.87653	0.86999	0.86999	0.010	0.74626	20.00000	Averaged
74 Benzo(b)fluoranthene	1.24397	1.23757	1.23757	0.010	0.51423	100	Averaged
75 Benzo(k)fluoranthene	25.27000	25.00000	1.21880	0.010	-1.07999	100	Quadratic

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0811.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060811.b/SW846.m

Injection Date: 11-AUG-2006 08:30
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 Benzo(a)pyrene	1.13257	1.13568	1.13568	0.010	-0.27465	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.41899	1.40924	1.40924	0.010	0.68726	100	Averaged
79 Dibenzo(a,h)anthracene	1.17596	1.19172	1.19172	0.010	-1.34069	100	Averaged
80 Benzo(g,h,i)perylene	1.31091	1.31688	1.31688	0.010	-0.45521	100	Averaged
90 N-Nitrosodimethylamine	1.07294	1.17192	1.17192	0.010	-9.22435	100	Averaged
103 Pyridine	1.82269	1.97699	1.97699	0.010	-8.46573	100	Averaged
91 Aniline	2.36202	2.41620	2.41620	0.010	-2.29360	100	Averaged
105 1-methylnaphthalene	0.56242	0.56236	0.56236	0.010	0.01006	100	Averaged
93 Benzidine	0.81682	0.79432	0.79432	0.010	2.75405	100	Averaged
98 Retene	0.67956	0.67529	0.67529	0.010	0.62808	100	Averaged
111 Azobenzene (1,2-DP-Hydrazin	1.61695	1.63587	1.63587	0.010	-1.17057	100	Averaged
144 alpha-Terpineol	0.30455	0.30345	0.30345	0.010	0.36127	100	Averaged
143 1,4-Dioxane	0.71798	0.74355	0.74355	0.010	-3.56035	100	Averaged
$ 137 d8-1,4-Dioxane	0.67018	0.70474	0.70474	0.010	-5.15639	100	Averaged
133 Butylatedhydroxytoluene	0.90169	0.88618	0.88618	0.010	1.72075	100	Averaged
115 Tributyl Phosphate	1.16205	1.19879	1.19879	0.010	-3.16138	100	Averaged
116 Dibutyl Phenyl Phosphate	0.80086	0.81248	0.81248	0.010	-1.45127	100	Averaged
117 Butyl Diphenyl Phosphate	0.38569	0.39652	0.39652	0.010	-2.80558	100	Averaged
118 Triphenyl Phosphate	0.23566	0.24140	0.24140	0.010	-2.43637	100	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/cc0811.d
Lab Smp Id: ABN 25
Inj Date : 11-AUG-2006 08:30
Operator : LJR
Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 11-Aug-2006 15:01 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/11/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.735	5.735	(0.750)	320566	25.0000	26.12
$	2 Phenol-d5	99	7.199	7.199	(0.941)	363900	25.0000	25.55
	3 Phenol	94	7.220	7.220	(0.944)	415208	25.0000	24.86
$	5 2-Chlorophenol-d4	132	7.349	7.349	(0.961)	297089	25.0000	25.70
	4 Bis(2-Chloroethyl)ether	93	7.322	7.322	(0.957)	317373	25.0000	25.52
	6 2-Chlorophenol	128	7.370	7.370	(0.964)	281850	25.0000	25.60
	7 1,3-Dichlorobenzene	146	7.589	7.589	(0.992)	300900	25.0000	25.37
*	8 1,4-Dichlorobenzene-d4	152	7.648	7.648	(1.000)	158517	20.0000	
	9 1,4-Dichlorobenzene	146	7.674	7.674	(1.003)	302199	25.0000	25.35
$	10 1,2-Dichlorobenzene-d4	152	7.942	7.942	(1.038)	182270	25.0000	25.72
	12 1,2-Dichlorobenzene	146	7.963	7.963	(1.041)	281205	25.0000	25.29
	11 Benzyl alcohol	108	7.915	7.915	(1.035)	213468	25.0000	25.65
	14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.182	(1.070)	469097	25.0000	25.30
	13 2-Methylphenol	108	8.139	8.139	(1.064)	281974	25.0000	25.60
	17 Hexachloroethane	117	8.444	8.444	(1.104)	125711	25.0000	25.98
	16 N-Nitroso-di-n-propylamine	70	8.390	8.390	(1.097)	253749	25.0000	25.60
	15 4-Methylphenol	108	8.369	8.369	(1.094)	289458	25.0000	25.66
$	18 Nitrobenzene-d5	82	8.561	8.561	(0.885)	367802	25.0000	25.58
	19 Nitrobenzene	77	8.593	8.593	(0.888)	350816	25.0000	25.59
	20 Isophorone	82	8.967	8.967	(0.927)	613553	25.0000	25.26
	21 2-Nitrophenol	139	9.106	9.106	(0.941)	145357	25.0000	26.21
	22 2,4-Dimethylphenol	107	9.208	9.208	(0.952)	294692	25.0000	25.22
	23 Bis(2-Chloroethoxy)methane	93	9.363	9.363	(0.968)	365686	25.0000	24.79
	24 Benzoic acid	105	9.427	9.427	(0.975)	459095	50.0000	56.13 (M)
	25 2,4-Dichlorophenol	162	9.480	9.480	(0.980)	211435	25.0000	26.19
	26 1,2,4-Trichlorobenzene	180	9.619	9.619	(0.994)	218308	25.0000	24.92
*	27 Naphthalene-d8	136	9.672	9.672	(1.000)	584278	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	9.704	9.704	(1.003)	747530	25.0000	26.12
29 4-Chloroaniline	127	9.843	9.843	(1.018)	334821	25.0000	25.65
30 Hexachlorobutadiene	225	10.025	10.025	(1.036)	104996	25.0000	24.92
31 4-Chloro-3-methylphenol	107	10.645	10.645	(1.101)	247129	25.0000	25.35
32 2-Methylnaphthalene	141	10.826	10.826	(1.119)	397947	25.0000	24.66
33 Hexachlorocyclopentadiene	237	11.211	11.211	(0.894)	89719	25.0000	26.97
34 2,4,6-Trichlorophenol	196	11.339	11.339	(0.904)	135686	25.0000	25.76
35 2,4,5-Trichlorophenol	196	11.393	11.393	(0.908)	145578	25.0000	25.70
$ 36 2-Fluorobiphenyl	172	11.473	11.473	(0.914)	510785	25.0000	24.91
37 2-Chloronaphthalene	162	11.606	11.606	(0.925)	442676	25.0000	24.53
38 2-Nitroaniline	65	11.836	11.836	(0.943)	183140	25.0000	25.70
39 Dimethylphthalate	163	12.215	12.215	(0.974)	484556	25.0000	24.90
40 Acenaphthylene	152	12.290	12.290	(0.980)	717886	25.0000	24.70
41 2,6-Dinitrotoluene	165	12.311	12.311	(0.981)	110401	25.0000	26.06
* 42 Acenaphthene-d10	164	12.546	12.546	(1.000)	318444	20.0000	
43 3-Nitroaniline	138	12.514	12.514	(0.997)	139167	25.0000	25.71
44 Acenaphthene	153	12.595	12.595	(1.004)	449650	25.0000	24.78
45 2,4-Dinitrophenol	184	12.685	12.685	(1.011)	50608	50.0000	60.24
46 Dibenzofuran	168	12.856	12.856	(1.025)	588945	25.0000	24.37
47 4-Nitrophenol	109	12.814	12.814	(1.021)	73222	25.0000	26.66 (M)
48 2,4-Dinitrotoluene	165	12.936	12.936	(1.031)	145189	25.0000	26.29
50 Diethylphthalate	149	13.380	13.380	(1.066)	491355	25.0000	24.78
49 Fluorene	166	13.417	13.417	(1.069)	503569	25.0000	25.00
51 4-Chlorophenyl-phenylether	204	13.444	13.444	(1.072)	220664	25.0000	24.69
52 4-Nitroaniline	138	13.513	13.513	(1.077)	135796	25.0000	25.74 (M)
53 4,6-Dinitro-2-methylphenol	198	13.594	13.594	(0.911)	107924	50.0000	58.87
54 N-Nitrosodiphenylamine	169	13.647	13.647	(0.914)	243797	25.0000	25.23
$ 55 2,4,6-Tribromophenol	330	13.839	13.839	(1.103)	59658	25.0000	26.56
56 4-Bromophenyl-phenylether	248	14.229	14.229	(0.953)	114526	25.0000	25.10
57 Hexachlorobenzene	284	14.448	14.448	(0.968)	122021	25.0000	24.42
58 Pentachlorophenol	266	14.742	14.742	(0.987)	74718	25.0000	28.07 (M)
* 59 Phenanthrene-d10	188	14.929	14.929	(1.000)	463777	20.0000	
60 Phenanthrene	178	14.966	14.966	(1.002)	669582	25.0000	25.73
61 Anthracene	178	15.041	15.041	(1.008)	684683	25.0000	24.69
62 Carbazole	167	15.319	15.319	(1.026)	636517	25.0000	25.97
63 Di-n-butylphthalate	149	16.040	16.040	(1.074)	796431	25.0000	25.08
64 Fluoranthene	202	16.916	16.916	(1.133)	675395	25.0000	24.68
65 Pyrene	202	17.269	17.269	(0.897)	701941	25.0000	24.50
$ 66 Terphenyl-d14	244	17.584	17.584	(0.913)	434233	25.0000	24.97
67 Butylbenzylphthalate	149	18.471	18.471	(0.959)	362864	25.0000	25.58
68 Benzo(a)anthracene	228	19.235	19.235	(0.999)	544864	25.0000	24.48
* 69 Chrysene-d12	240	19.262	19.262	(1.000)	336614	20.0000	
70 3,3'-Dichlorobenzidine	252	19.245	19.245	(0.999)	201512	25.0000	25.77
71 Chrysene	228	19.304	19.304	(1.002)	549603	25.0000	24.51
72 bis(2-Ethylhexyl)phthalate	149	19.470	19.470	(0.954)	500582	25.0000	25.14
* 134 Di-n-octylphthalate-d4	153	20.405	20.405	(1.000)	762795	20.0000	
73 Di-n-octylphthalate	149	20.415	20.415	(1.001)	829528	25.0000	24.81

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	20.902	20.902	(0.976)	650356	25.0000	24.87
75 Benzo(k)fluoranthene	252	20.934	20.934	(0.977)	640489	25.0000	25.27
76 Benzo(a)pyrene	252	21.350	21.350	(0.996)	596809	25.0000	25.07
* 77 Perylene-d12	264	21.425	21.425	(1.000)	420407	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.980	22.980	(1.073)	740566	25.0000	24.83
79 Dibenzo(a,h)anthracene	278	23.006	23.006	(1.074)	626261	25.0000	25.34
80 Benzo(g,h,i)perylene	276	23.418	23.418	(1.093)	692031	25.0000	25.11
90 N-Nitrosodimethylamine	74	3.390	3.390	(0.443)	232211	25.0000	27.31 (M)
103 Pyridine	79	3.374	3.374	(0.441)	391733	25.0000	27.12 (M)
91 Aniline	93	7.204	7.204	(0.942)	478761	25.0000	25.57
105 1-methylnaphthalene	141	11.003	11.003	(1.138)	410719	25.0000	25.00
93 Benzidine	184	17.162	17.162	(0.891)	334226	25.0000	24.31
98 Retene	219	17.835	17.835	(0.926)	284142	25.0000	24.84
111 Azobenzene (1,2-DP-Hydrazine)	77	13.695	13.695	(1.092)	651168	25.0000	25.29
144 alpha-Terpineol	59	9.731	9.731	(1.006)	221626	25.0000	24.91
143 1,4-Dioxane	88	2.728	2.728	(0.357)	147331	25.0000	25.89
$ 137 d8-1,4-Dioxane	96	2.674	2.674	(0.350)	139641	25.0000	26.29
133 Butylatedhydroxytoluene	205	12.723	12.723	(1.014)	352748	25.0000	24.57
115 Tributyl Phosphate	99	13.743	13.743	(0.921)	694962	25.0000	25.79
116 Dibutyl Phenyl Phosphate	175	15.485	15.485	(1.037)	471013	25.0000	25.36
117 Butyl Diphenyl Phosphate	94	17.178	17.178	(0.892)	166841	25.0000	25.70
118 Triphenyl Phosphate	326	18.786	18.786	(0.975)	101574	25.0000	25.61

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: cc0811.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info:

Calibration Date: 11-AUG-2006
Calibration Time: 08:30

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	158517	0.00
27 Naphthalene-d8	584278	292139	1168556	584278	0.00
42 Acenaphthene-d10	318444	159222	636888	318444	0.00
59 Phenanthrene-d10	463777	231888	927554	463777	0.00
69 Chrysene-d12	336614	168307	673228	336614	0.00
134 Di-n-octylphthala	762795	381398	1525590	762795	0.00
77 Perylene-d12	420407	210204	840814	420407	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.00
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.55	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.00
134 Di-n-octylphthala	20.40	19.90	20.90	20.40	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.00

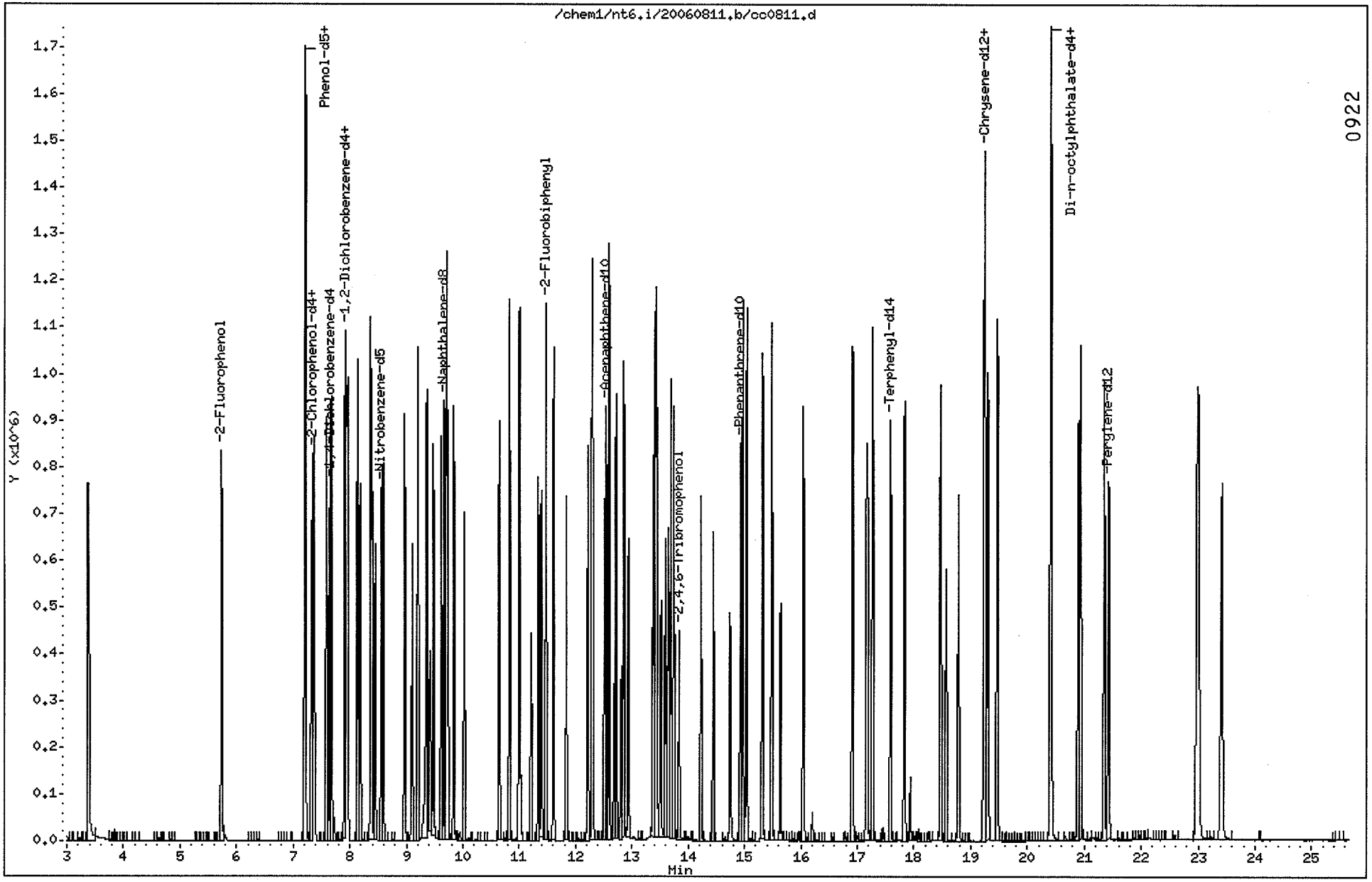
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060811.b/cc0811.d
Date : 11-AUG-2006 08:30
Client ID:
Sample Info: ABN 25

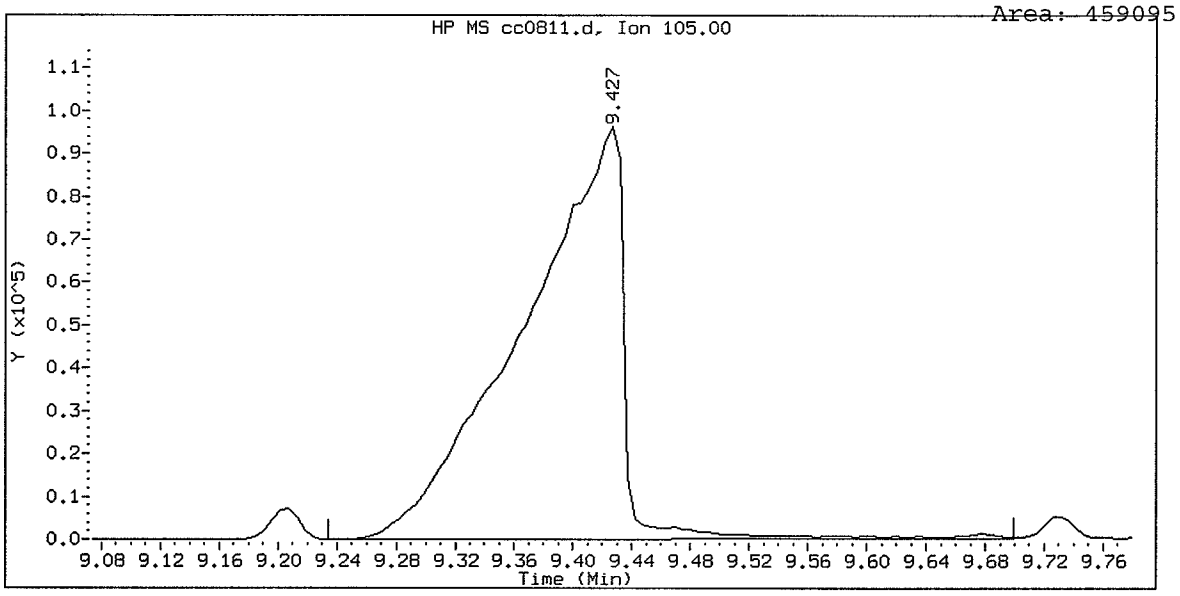
Column phase: ZB-5

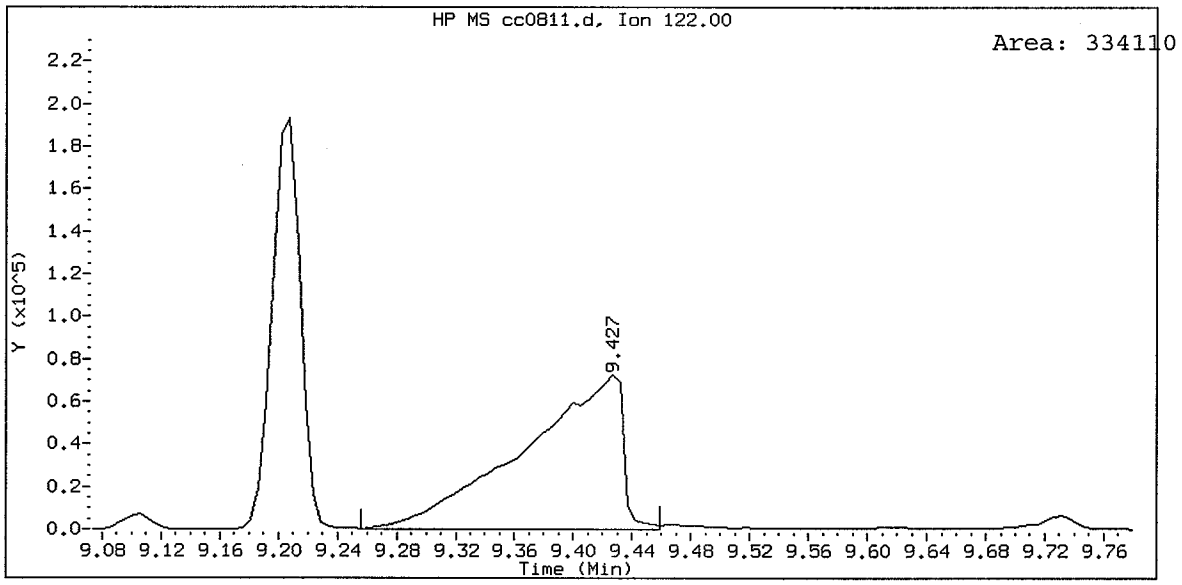
Instrument: nt6.i

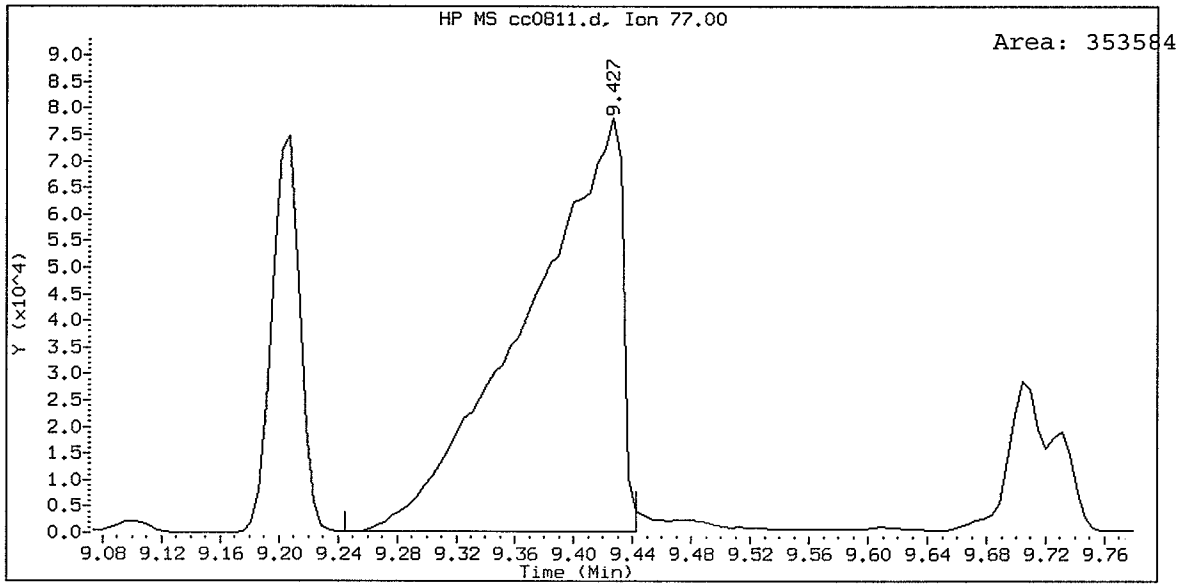
Operator: LJR
Column diameter: 0.32



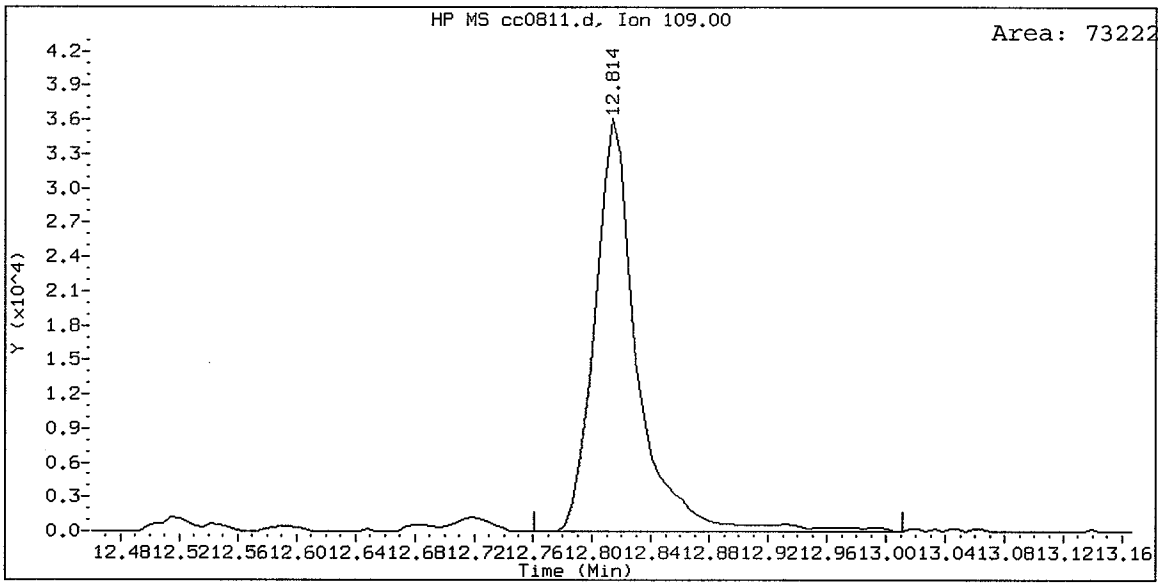
ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
Benzoic acid Amount: 56.13

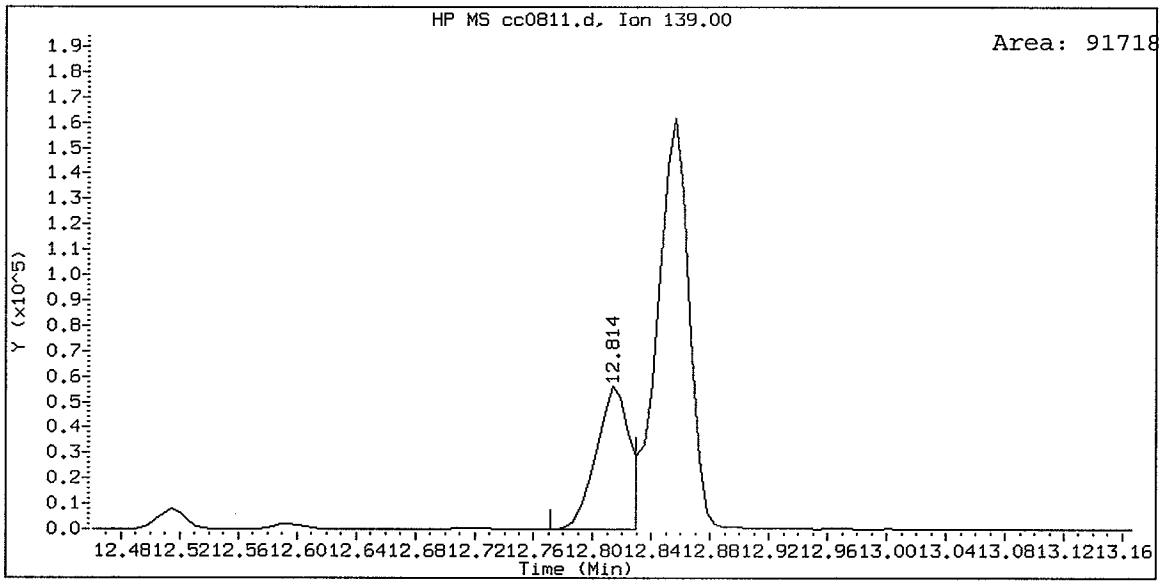


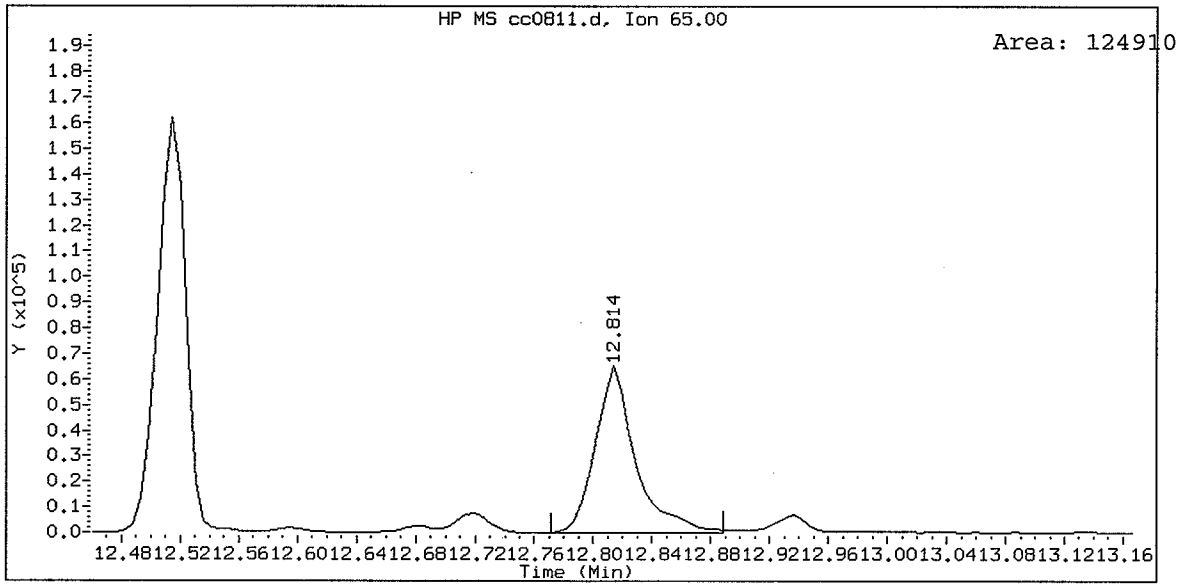




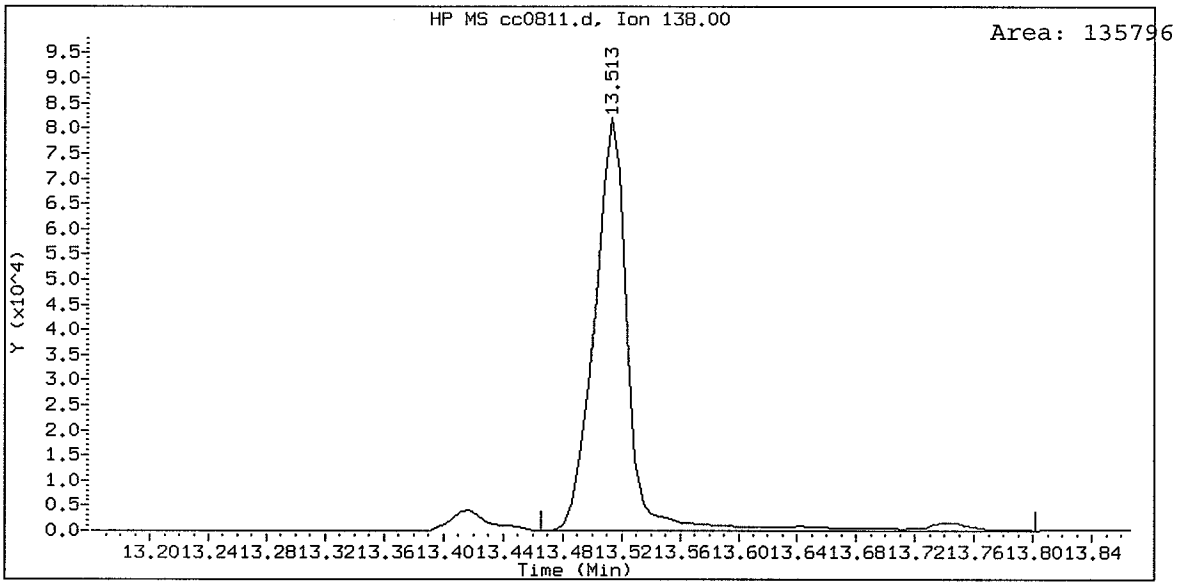
ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
4-Nitrophenol Amount: 26.66

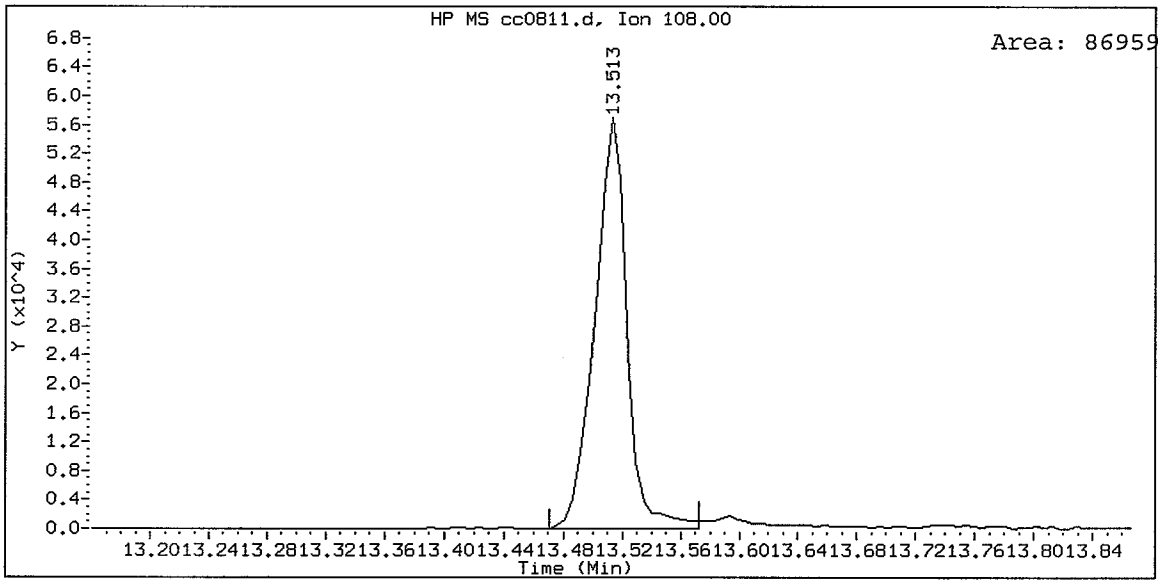


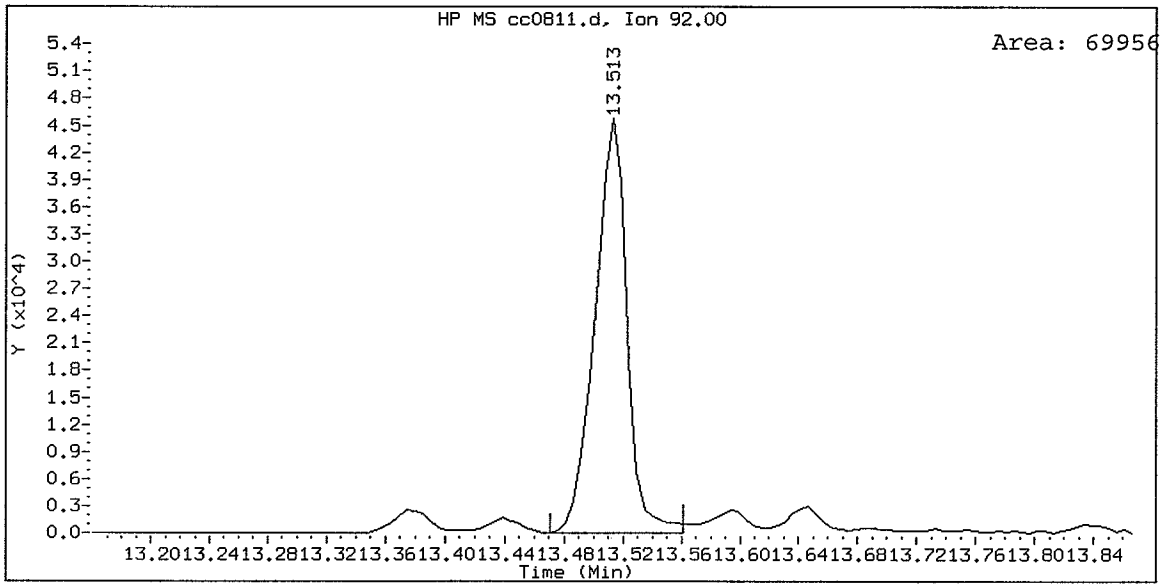




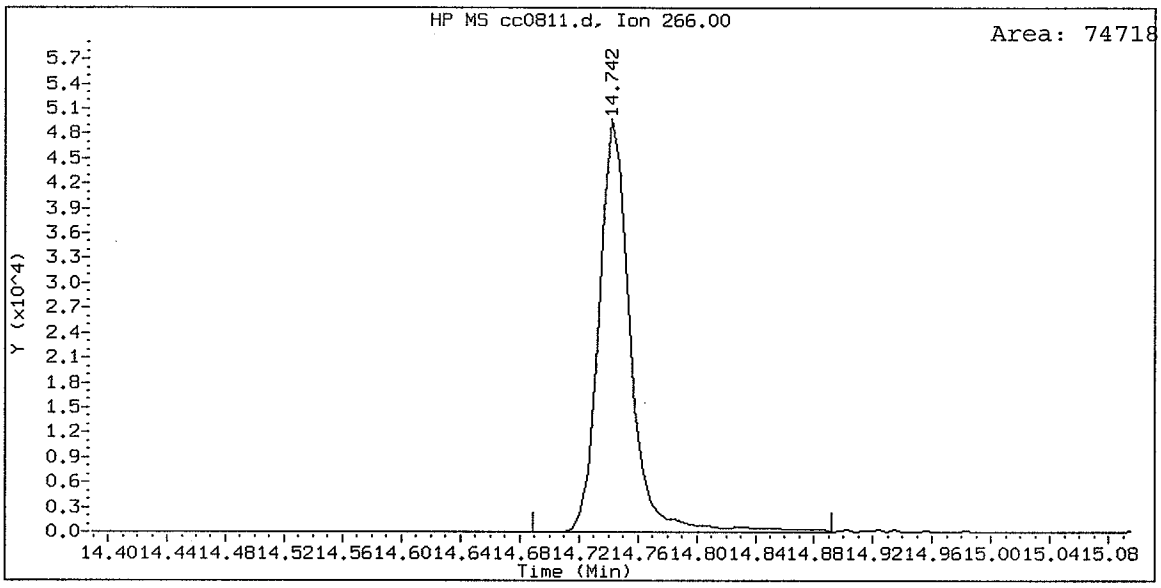
ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
4-Nitroaniline Amount: 25.74

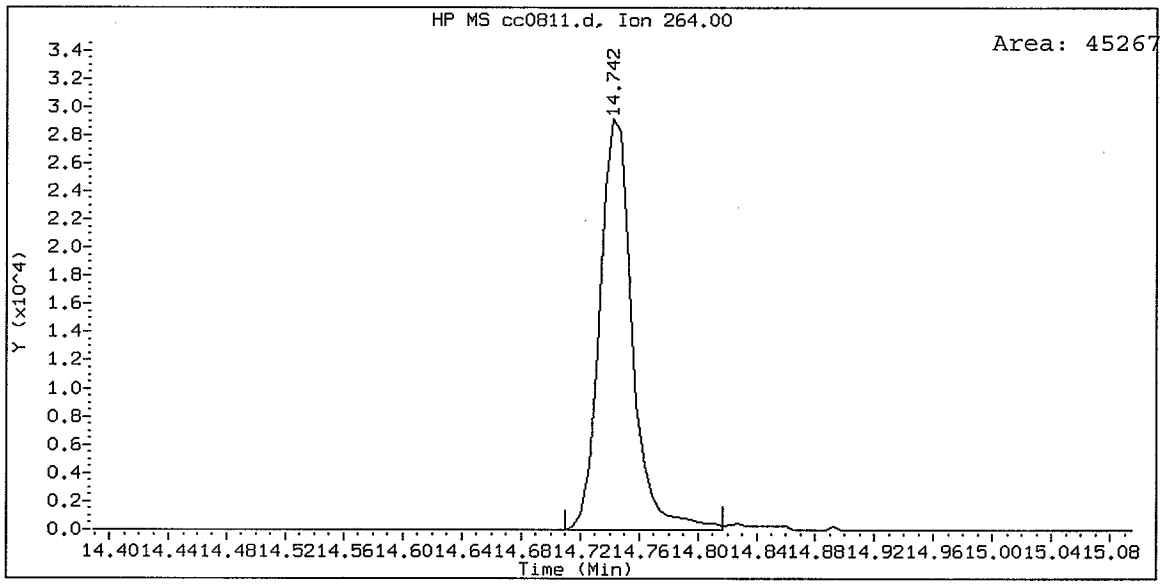


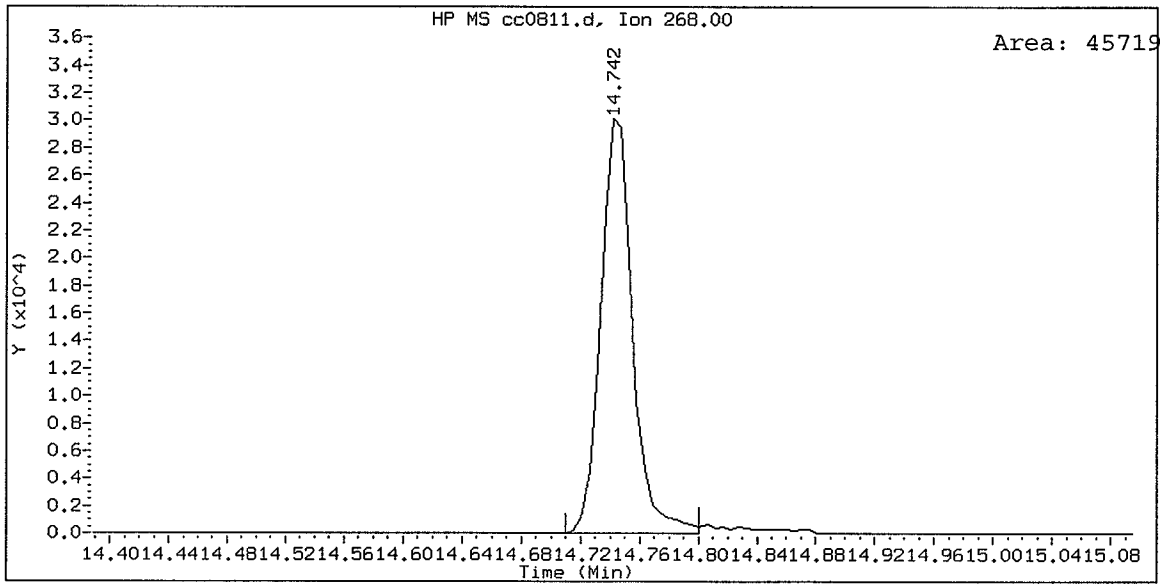




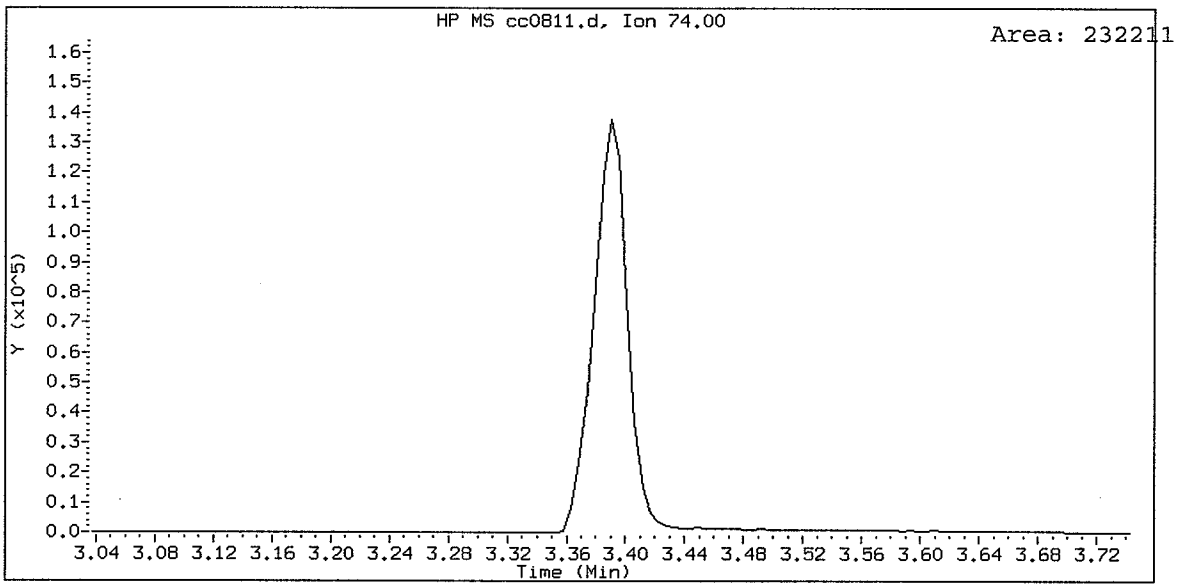
ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
Pentachlorophenol Amount: 28.07

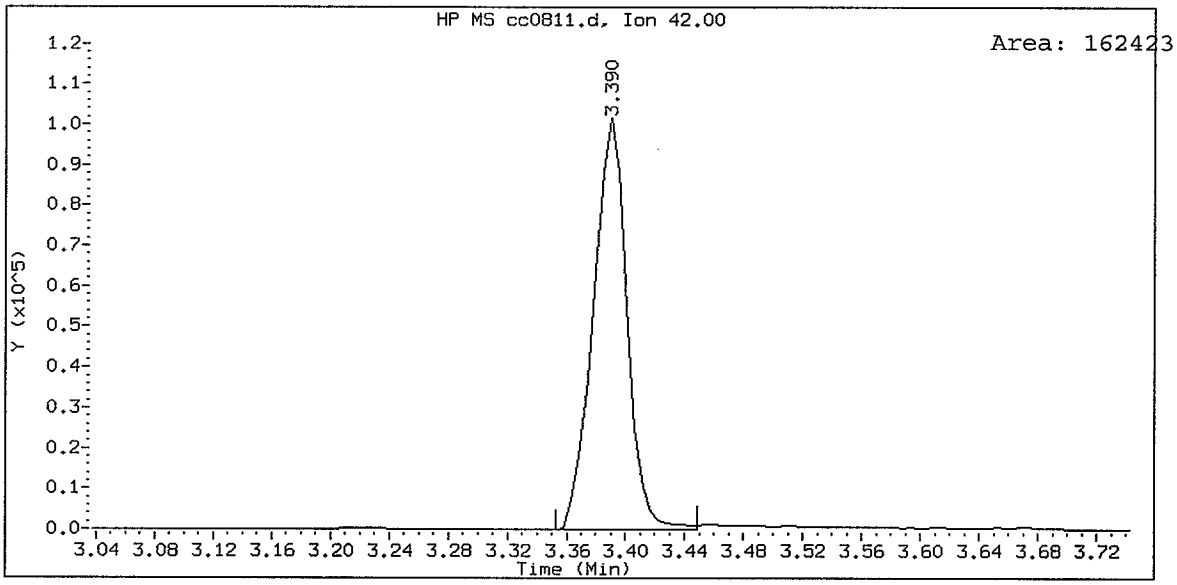




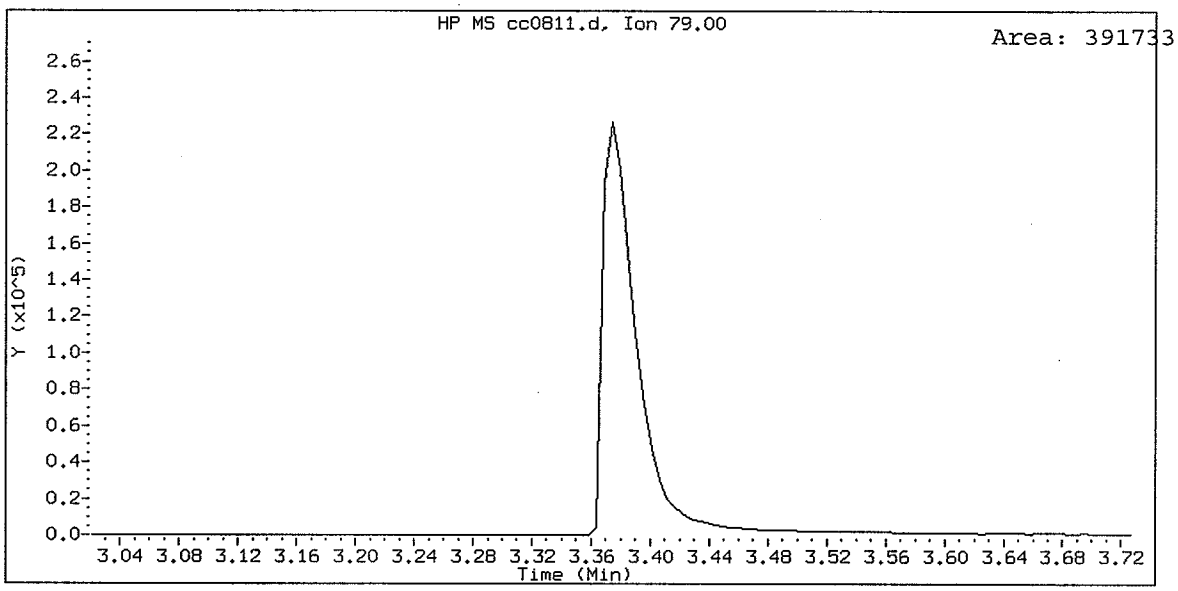


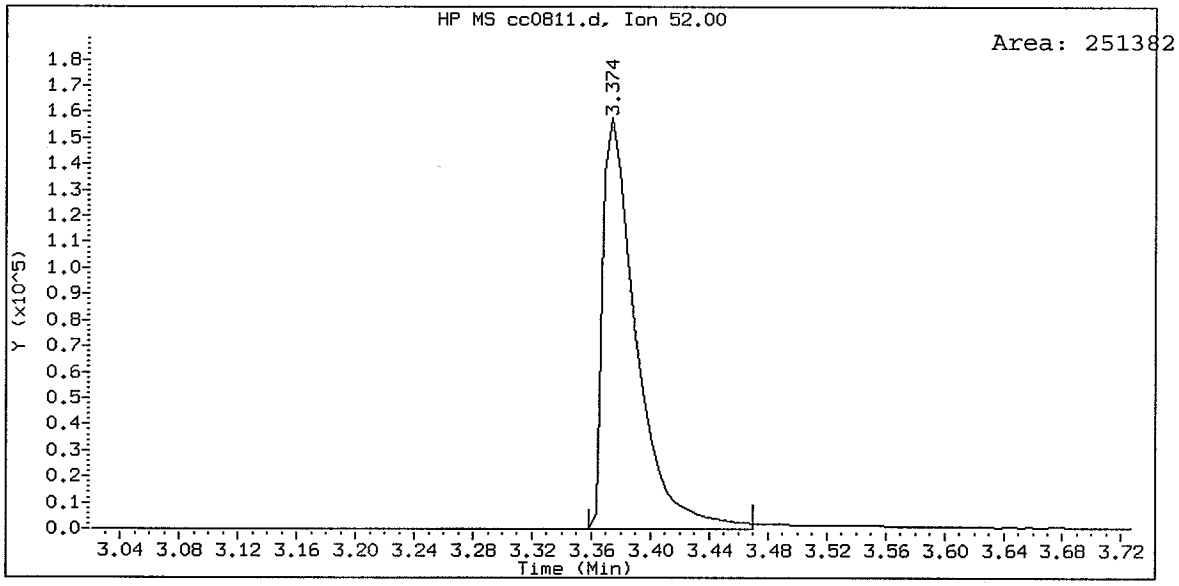
ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
N-Nitrosodimethylamine Amount: 27.31





ABN 25, /chem1/nt6.i/20060811.b/cc0811.d
Pyridine Amount: 27.12





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

Data file: /chem1/nt6.i/20060811.b/ddt.b/cc0811.d
Method: /chem1/nt6.i/20060811.b/ddt.b/sw846ddt.m
Analysis Date: 11-AUG-2006 08:30

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.742	73190
Benzidine	17.162	332403
4,4'-DDE	----	----
4,4'-DDD	18.092	7635
4,4'-DDT	18.567	155268

LJK
8/11/06

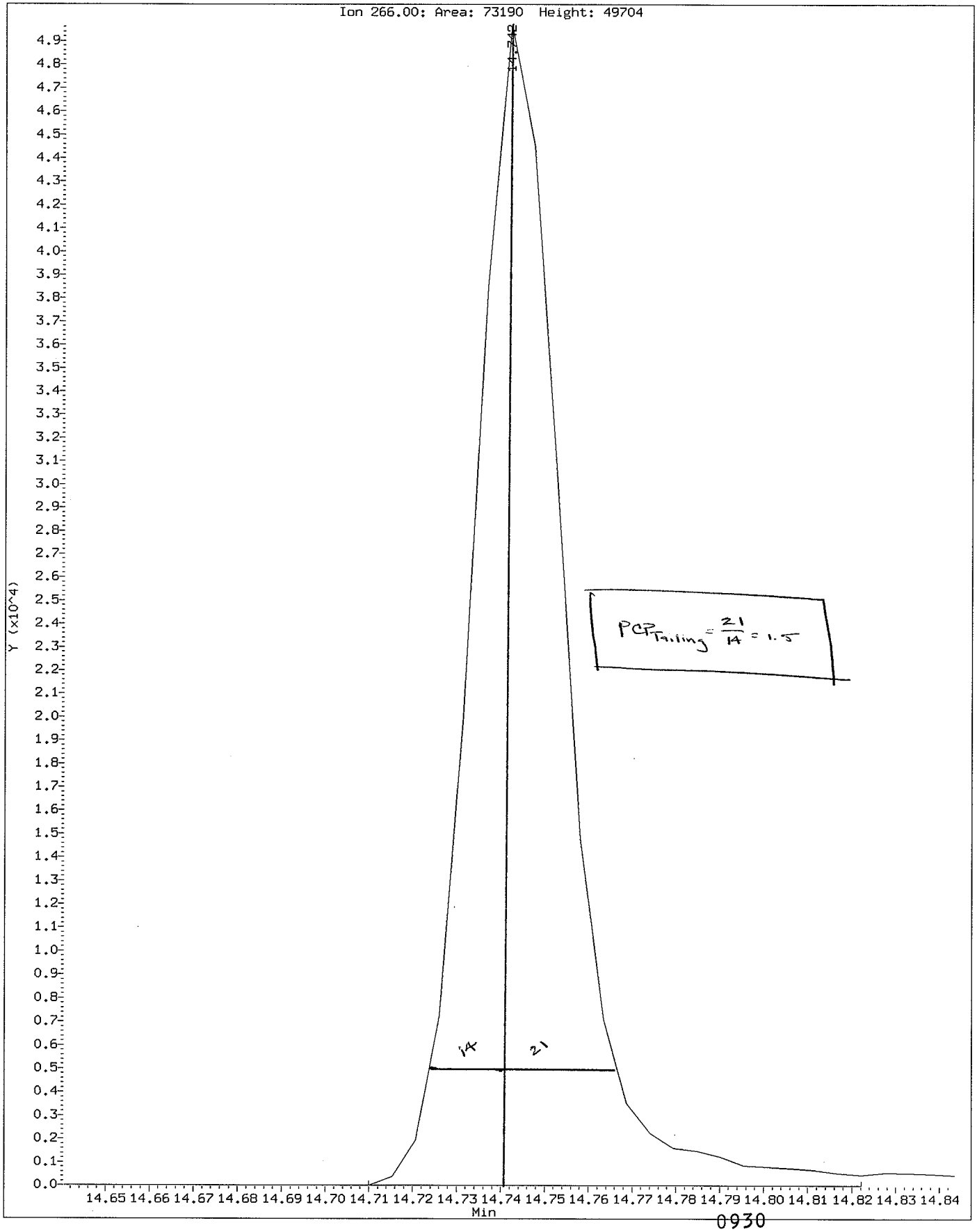
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 7635) * 100}{(0 + 7635 + 155268)}$$

DDT Percent Breakdown = 4.7 %

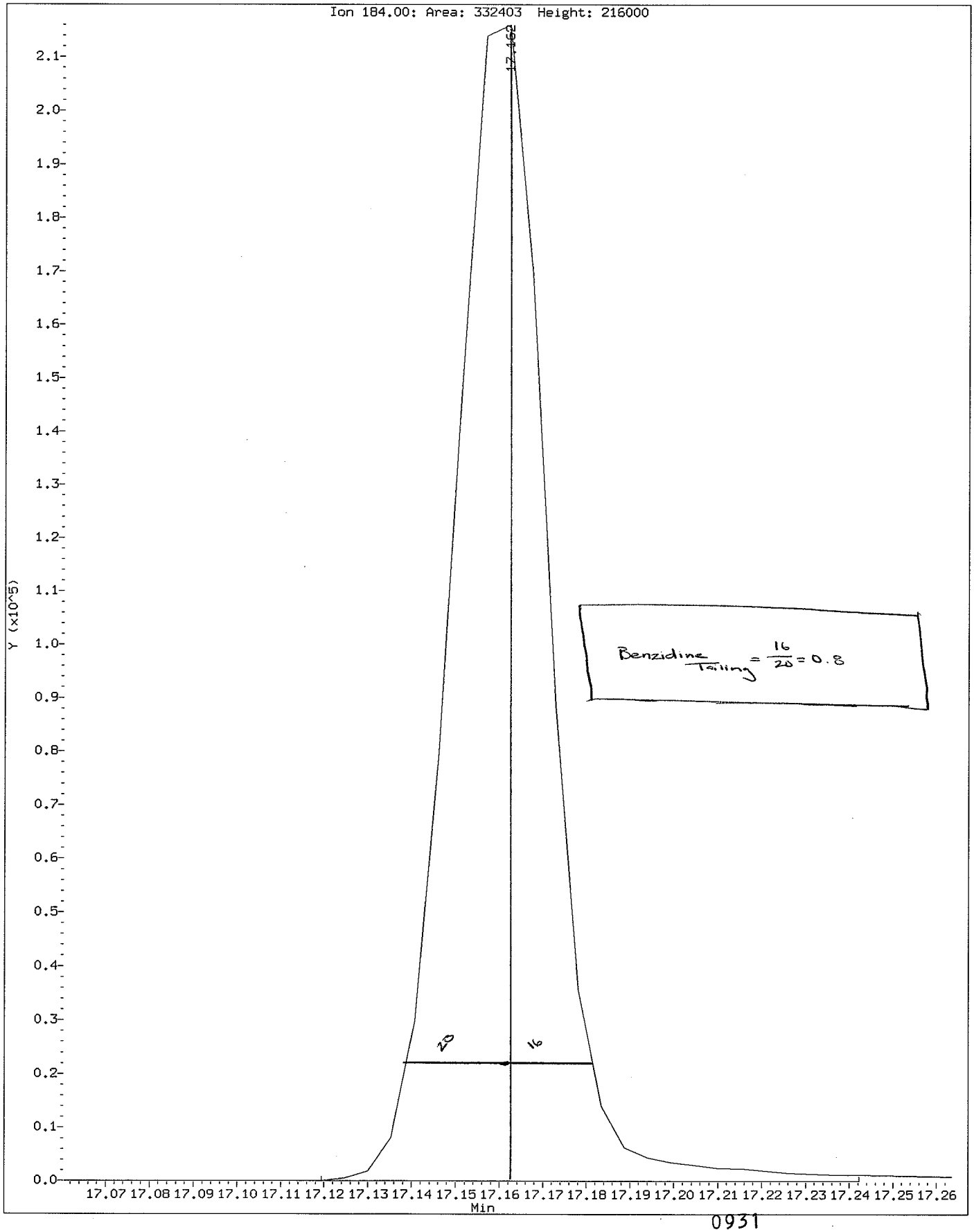
Data File: /chem1/nt6.i/20060811.b/ddt.b/cc0811.d
Injection Date: 11-AUG-2006 08:30
Instrument: nt6.i
Client Sample ID:

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20060811.b/ddt.b/cc0811.d
Injection Date: 11-AUG-2006 08:30
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: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/12/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 1039

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
Phenol	24.85	25.00	AVRG	0.6	20.0
Bis(2-Chloroethyl)ether	24.83	25.00	AVRG	0.7	
2-Chlorophenol	25.62	25.00	AVRG	-2.5	
1,3-Dichlorobenzene	25.37	25.00	AVRG	-1.5	
1,4-Dichlorobenzene	25.09	25.00	AVRG	-0.4	20.0
1,2-Dichlorobenzene	25.13	25.00	AVRG	-0.5	
Benzyl alcohol	25.49	25.00	AVRG	-2.0	
2,2'-oxybis(1-Chloropropane)	23.27	25.00	AVRG	6.9	
2-Methylphenol	25.52	25.00	AVRG	-2.1	
Hexachloroethane	26.05	25.00	AVRG	-4.2	
N-Nitroso-di-n-propylamine	24.32	25.00	AVRG	2.7	
4-Methylphenol	25.62	25.00	AVRG	-2.5	
Nitrobenzene	24.51	25.00	AVRG	2.0	
Isophorone	24.27	25.00	AVRG	2.9	
2-Nitrophenol	26.88	25.00	AVRG	-7.5	20.0
2,4-Dimethylphenol	25.22	25.00	AVRG	-0.9	
Bis(2-Chloroethoxy)methane	24.38	25.00	AVRG	2.5	
2,4-Dichlorophenol	26.54	25.00	AVRG	-6.2	20.0
1,2,4-Trichlorobenzene	24.81	25.00	AVRG	0.8	
Naphthalene	25.90	25.00	2ORDR	-3.6	
Benzoic acid	56.72	50.00	AVRG	-13.4	
4-Chloroaniline	25.93	25.00	AVRG	-3.7	
Hexachlorobutadiene	24.86	25.00	AVRG	0.6	20.0
4-Chloro-3-methylphenol	25.83	25.00	AVRG	-3.3	20.0
2-Methylnaphthalene	24.76	25.00	AVRG	1.0	
Hexachlorocyclopentadiene	33.52	25.00	AVRG	-34.1	
2,4,6-Trichlorophenol	26.61	25.00	AVRG	-6.4	20.0
2,4,5-Trichlorophenol	25.82	25.00	AVRG	-3.3	
2-Chloronaphthalene	24.86	25.00	AVRG	0.6	
2-Nitroaniline	24.78	25.00	AVRG	0.9	
Acenaphthylene	24.85	25.00	AVRG	0.6	
Dimethylphthalate	25.31	25.00	AVRG	-1.2	
2,6-Dinitrotoluene	26.61	25.00	AVRG	-6.4	
Acenaphthene	24.77	25.00	AVRG	0.9	20.0
3-Nitroaniline	26.66	25.00	AVRG	-6.6	
2,4-Dinitrophenol	105.6	50.00	AVRG	-99.9	
Dibenzofuran	24.65	25.00	AVRG	1.4	

<- Outside QC limits

FORM VII SV-1

7C

SEMIVOLATILE 8270-C CONTINUING CALIBRATION CHECK

Lab Name: ANALYTICAL RESOURCES, INC — Client: ANCHOR

ARI Job No: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/12/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 1039

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
4-Nitrophenol	27.50	25.00	AVRG	-10.0	
2,4-Dinitrotoluene	26.96	25.00	AVRG	-7.8	
Fluorene	24.80	25.00	AVRG	0.8	
4-Chlorophenyl-phenylether	24.88	25.00	AVRG	0.5	
Diethylphthalate	25.21	25.00	AVRG	-0.8	
4-Nitroaniline	27.03	25.00	AVRG	-8.1	
4,6-Dinitro-2-methylphenol	75.30	50.00	AVRG	-50.6	
N-Nitrosodiphenylamine(1)	25.09	25.00	AVRG	-0.4	
4-Bromophenyl-phenylether	25.13	25.00	AVRG	-0.5	
Hexachlorobenzene	24.52	25.00	AVRG	1.9	
Pentachlorophenol	28.84	25.00	AVRG	-15.4	20.0
Phenanthrene	25.78	25.00	2ORDR	-3.1	
Anthracene	24.77	25.00	AVRG	0.9	
Carbazole	27.04	25.00	2ORDR	-8.2	
Di-n-butylphthalate	25.06	25.00	AVRG	-0.2	
Fluoranthene	24.80	25.00	AVRG	0.8	20.0
Pyrene	25.15	25.00	AVRG	-0.6	
Butylbenzylphthalate	26.01	25.00	AVRG	-4.0	
Benzo(a)anthracene	24.79	25.00	AVRG	0.8	
3,3'-Dichlorobenzidine	25.54	25.00	AVRG	-2.2	
Chrysene	24.56	25.00	AVRG	1.8	
bis(2-Ethylhexyl)phthalate	26.32	25.00	AVRG	-5.3	
Di-n-octylphthalate	24.75	25.00	AVRG	1.0	20.0
Benzo(b)fluoranthene	25.28	25.00	AVRG	-1.1	
Benzo(k)fluoranthene	26.78	25.00	2ORDR	-7.1	
Benzo(a)pyrene	25.18	25.00	AVRG	-0.7	20.0
Indeno(1,2,3-cd)pyrene	23.90	25.00	AVRG	4.4	
Dibenzo(a,h)anthracene	24.03	25.00	AVRG	3.9	
Benzo(g,h,i)perylene	24.06	25.00	AVRG	3.8	
N-Nitrosodimethylamine	25.03	25.00	AVRG	-0.1	
Aniline	25.12	25.00	AVRG	-0.5	
Benzidine	25.76	25.00	AVRG	-3.0	
Pyridine	25.20	25.00	AVRG	-0.8	
1-methylnaphthalene	24.90	25.00	AVRG	0.4	
Azobenzene (1,2-DP-Hydrazine	24.30	25.00	AVRG	2.8	

(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: JQ36 — Project: T4 EARLY ACTION

Instrument ID: NT6 — Cont. Calib. Date: 08/12/06

Init. Calib. Date: 08/10/06 — Cont. Calib. Time: 1039

COMPOUND	CALC AMOUNT	NOM AMOUNT	CURVE	%D	MAX %D
2-Fluorophenol	25.77	25.00	AVRG	-3.1	
Phenol-d5	25.34	25.00	AVRG	-1.4	
2-Chlorophenol-d4	26.00	25.00	AVRG	-4.0	
1,2-Dichlorobenzene-d4	25.51	25.00	AVRG	-2.0	
Nitrobenzene-d5	24.84	25.00	AVRG	0.6	
2-Fluorobiphenyl	25.04	25.00	AVRG	-0.2	
2,4,6-Tribromophenol	27.72	25.00	AVRG	-10.9	
Terphenyl-d14	25.55	25.00	AVRG	-2.2	

<- Outside QC limits

Data File: /chem1/nt6.i/20060812.b/cc0812.d
Report Date: 13-Aug-2006 11:49

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0812.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060812.b/SW846.m

Injection Date: 12-AUG-2006 10:39
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.54820	1.59577	1.59577	0.010	-3.07246	100	Averaged
$ 2 Phenol-d5	1.79676	1.82124	1.82124	0.010	-1.36243	100	Averaged
3 Phenol	2.10759	2.09476	2.09476	0.010	0.60898	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.45851	1.51666	1.51666	0.010	-3.98706	100	Averaged
4 Bis(2-Chloroethyl)ether	1.56913	1.55863	1.55863	0.010	0.66873	100	Averaged
6 2-Chlorophenol	1.38909	1.42327	1.42327	0.010	-2.46113	100	Averaged
7 1,3-Dichlorobenzene	1.49640	1.51845	1.51845	0.010	-1.47308	100	Averaged
9 1,4-Dichlorobenzene	1.50423	1.50935	1.50935	0.010	-0.34067	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89415	0.91239	0.91239	0.010	-2.03947	100	Averaged
12 1,2-Dichlorobenzene	1.40284	1.41019	1.41019	0.010	-0.52383	100	Averaged
11 Benzyl alcohol	1.05008	1.07062	1.07062	0.010	-1.95603	100	Averaged
14 2,2'-oxybis(1-Chloropropane	2.33892	2.17685	2.17685	0.010	6.92909	100	Averaged
13 2-Methylphenol	1.38969	1.41844	1.41844	0.010	-2.06904	100	Averaged
17 Hexachloroethane	0.61040	0.63602	0.63602	0.010	-4.19669	100	Averaged
16 N-Nitroso-di-n-propylamine	1.25046	1.21644	1.21644	0.050	2.72038	100	Averaged
15 4-Methylphenol	1.42327	1.45866	1.45866	0.010	-2.48636	100	Averaged
$ 18 Nitrobenzene-d5	0.49221	0.48899	0.48899	0.010	0.65368	100	Averaged
19 Nitrobenzene	0.46927	0.46002	0.46002	0.010	1.97200	100	Averaged
20 Isophorone	0.83129	0.80687	0.80687	0.010	2.93811	100	Averaged
21 2-Nitrophenol	0.18984	0.20410	0.20410	0.010	-7.50753	20.00000	Averaged
22 2,4-Dimethylphenol	0.39995	0.40339	0.40339	0.010	-0.86054	100	Averaged
23 Bis(2-Chloroethoxy)methane	0.50496	0.49254	0.49254	0.010	2.46028	100	Averaged
24 Benzoic acid	0.27999	0.31761	0.31761	0.010	-13.43706	100	Averaged
25 2,4-Dichlorophenol	0.27630	0.29334	0.29334	0.010	-6.16597	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.29987	0.29762	0.29762	0.010	0.75249	100	Averaged
28 Naphthalene	25.89545	25.00000	1.01591	0.010	-3.58178	100	Quadratic
29 4-Chloroaniline	0.44677	0.46341	0.46341	0.010	-3.72440	100	Averaged
30 Hexachlorobutadiene	0.14421	0.14338	0.14338	0.010	0.57842	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.33372	0.34481	0.34481	0.010	-3.32213	20.00000	Averaged
32 2-Methylnaphthalene	0.55233	0.54694	0.54694	0.010	0.97650	100	Averaged
33 Hexachlorocyclopentadiene	0.20892	0.28010	0.28010	0.050	-34.06773	100	Averaged
34 2,4,6-Trichlorophenol	0.33087	0.35214	0.35214	0.010	-6.42946	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.35580	0.36753	0.36753	0.010	-3.29558	100	Averaged
$ 36 2-Fluorobiphenyl	1.28797	1.28982	1.28982	0.010	-0.14367	100	Averaged
37 2-Chloronaphthalene	1.13352	1.12704	1.12704	0.010	0.57224	100	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0812.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060812.b/SW846.m

Injection Date: 12-AUG-2006 10:39
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.44756	0.44369	0.44369	0.010	0.86449	100	Averaged	
39 Dimethylphthalate	1.22216	1.23733	1.23733	0.010	-1.24172	100	Averaged	
40 Acenaphthylene	1.82526	1.81462	1.81462	0.010	0.58291	100	Averaged	
41 2,6-Dinitrotoluene	0.26604	0.28317	0.28317	0.010	-6.44106	100	Averaged	
43 3-Nitroaniline	0.33999	0.36250	0.36250	0.010	-6.62093	100	Averaged	
44 Acenaphthene	1.13947	1.12894	1.12894	0.010	0.92413	20.00000	Averaged	
45 2,4-Dinitrophenol	0.05277	0.11145	0.11145	0.050	-111	100	Averaged	<-
46 Dibenzofuran	1.51768	1.49654	1.49654	0.010	1.39260	100	Averaged	
47 4-Nitrophenol	0.17248	0.18976	0.18976	0.050	-10.01896	100	Averaged	
48 2,4-Dinitrotoluene	0.34682	0.37407	0.37407	0.010	-7.85678	100	Averaged	
50 Diethylphthalate	1.24518	1.25550	1.25550	0.010	-0.82875	100	Averaged	
49 Fluorene	1.26528	1.25512	1.25512	0.010	0.80296	100	Averaged	
51 4-Chlorophenyl-phenylether	0.56133	0.55859	0.55859	0.010	0.48823	100	Averaged	
52 4-Nitroaniline	0.33133	0.35825	0.35825	0.010	-8.12605	100	Averaged	
53 4,6-Dinitro-2-methylphenol	0.07906	0.11906	0.11906	0.010	-50.59529	100	Averaged	
54 N-Nitrosodiphenylamine	0.41678	0.41824	0.41824	0.010	-0.35093	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.14106	0.15643	0.15643	0.010	-10.89337	100	Averaged	
56 4-Bromophenyl-phenylether	0.19673	0.19778	0.19778	0.010	-0.52960	100	Averaged	
57 Hexachlorobenzene	0.21546	0.21132	0.21132	0.010	1.92267	100	Averaged	
58 Pentachlorophenol	0.11478	0.13243	0.13243	0.010	-15.37375	20.00000	Averaged	
60 Phenanthrene	25.78184	25.00000	1.15696	0.010	-3.12737	100	Quadratic	
61 Anthracene	1.19564	1.18459	1.18459	0.010	0.92458	100	Averaged	
62 Carbazole	27.04170	25.00000	1.13914	0.010	-8.16678	100	Quadratic	
63 Di-n-butylphthalate	1.36965	1.37294	1.37294	0.010	-0.24012	100	Averaged	
64 Fluoranthene	1.18022	1.17075	1.17075	0.010	0.80229	20.00000	Averaged	
65 Pyrene	1.70207	1.71235	1.71235	0.010	-0.60424	100	Averaged	
$ 66 Terphenyl-d14	1.03340	1.05630	1.05630	0.010	-2.21591	100	Averaged	
67 Butylbenzylphthalate	0.84270	0.87679	0.87679	0.010	-4.04633	100	Averaged	
68 Benzo(a)anthracene	1.32238	1.31124	1.31124	0.010	0.84218	100	Averaged	
70 3,3'-Dichlorobenzidine	0.46463	0.47457	0.47457	0.010	-2.14018	100	Averaged	
71 Chrysene	1.33219	1.30870	1.30870	0.010	1.76336	100	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.52210	0.54970	0.54970	0.010	-5.28602	100	Averaged	
73 Di-n-octylphthalate	0.87653	0.86776	0.86776	0.010	1.00016	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.24397	1.25811	1.25811	0.010	-1.13675	100	Averaged	
75 Benzo(k)fluoranthene	26.78379	25.00000	1.27492	0.010	-7.13516	100	Quadratic	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: cc0812.d
Analysis Type:
Lab Sample ID: ABN 25
Method: /chem1/nt6.i/20060812.b/SW846.m

Injection Date: 12-AUG-2006 10:39
Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Init. Cal. Times: 08:50 18:27
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
76 Benzo(a)pyrene	1.13257	1.14086	1.14086	0.010	-0.73254	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.41899	1.35664	1.35664	0.010	4.39357	100	Averaged
79 Dibenzo(a,h)anthracene	1.17596	1.13035	1.13035	0.010	3.87835	100	Averaged
80 Benzo(g,h,i)perylene	1.31091	1.26151	1.26151	0.010	3.76810	100	Averaged
90 N-Nitrosodimethylamine	1.07294	1.07438	1.07438	0.010	-0.13373	100	Averaged
103 Pyridine	1.82269	1.83725	1.83725	0.010	-0.79926	100	Averaged
91 Aniline	2.36202	2.37326	2.37326	0.010	-0.47579	100	Averaged
105 1-methylnaphthalene	0.56242	0.56025	0.56025	0.010	0.38597	100	Averaged
93 Benzidine	0.81682	0.84165	0.84165	0.010	-3.03978	100	Averaged
98 Retene	0.67956	0.69513	0.69513	0.010	-2.29013	100	Averaged
111 Azobenzene (1,2-DP-Hydrazin	1.61695	1.57138	1.57138	0.010	2.81825	100	Averaged
144 alpha-Terpineol	0.30455	0.28845	0.28845	0.010	5.28886	100	Averaged
143 1,4-Dioxane	0.71798	0.71145	0.71145	0.010	0.90948	100	Averaged
$ 137 d8-1,4-Dioxane	0.67018	0.68909	0.68909	0.010	-2.82109	100	Averaged
133 Butylatedhydroxytoluene	0.90169	0.88963	0.88963	0.010	1.33809	100	Averaged
115 Tributyl Phosphate	1.16205	1.15841	1.15841	0.010	0.31310	100	Averaged
116 Dibutyl Phenyl Phosphate	0.80086	0.81175	0.81175	0.010	-1.35944	100	Averaged
117 Butyl Diphenyl Phosphate	0.38569	0.40075	0.40075	0.010	-3.90285	100	Averaged
118 Triphenyl Phosphate	0.23566	0.24725	0.24725	0.010	-4.91810	100	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060812.b/cc0812.d
Lab Smp Id: ABN 25
Inj Date : 12-AUG-2006 10:39
Operator : LJR Inst ID: nt6.i
Smp Info : ABN 25
Misc Info :
Comment : 1ul Injection
Method : /chem1/nt6.i/20060812.b/SW846.m
Meth Date : 13-Aug-2006 11:49 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

LJR 8/13/06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.700	5.700	(0.749)	384606	25.0000	25.77
$	2 Phenol-d5	99	7.169	7.169	(0.942)	438949	25.0000	25.34
	3 Phenol	94	7.191	7.191	(0.945)	504871	25.0000	24.85
$	5 2-Chlorophenol-d4	132	7.314	7.314	(0.961)	365540	25.0000	26.00
	4 Bis(2-Chloroethyl)ether	93	7.287	7.287	(0.958)	375656	25.0000	24.83
	6 2-Chlorophenol	128	7.335	7.335	(0.964)	343032	25.0000	25.62
	7 1,3-Dichlorobenzene	146	7.554	7.554	(0.993)	365970	25.0000	25.37
*	8 1,4-Dichlorobenzene-d4	152	7.607	7.607	(1.000)	192813	20.0000	
	9 1,4-Dichlorobenzene	146	7.634	7.634	(1.004)	363778	25.0000	25.09
$	10 1,2-Dichlorobenzene-d4	152	7.907	7.907	(1.039)	219900	25.0000	25.51
	12 1,2-Dichlorobenzene	146	7.928	7.928	(1.042)	339878	25.0000	25.13
	11 Benzyl alcohol	108	7.880	7.880	(1.036)	258037	25.0000	25.49
	14 2,2'-oxybis(1-Chloropropane)	45	8.147	8.147	(1.071)	524657	25.0000	23.27
	13 2-Methylphenol	108	8.104	8.104	(1.065)	341868	25.0000	25.52
	17 Hexachloroethane	117	8.409	8.409	(1.105)	153290	25.0000	26.05
	16 N-Nitroso-di-n-propylamine	70	8.355	8.355	(1.098)	293182	25.0000	24.32
	15 4-Methylphenol	108	8.334	8.334	(1.095)	351560	25.0000	25.62
$	18 Nitrobenzene-d5	82	8.526	8.526	(0.879)	438655	25.0000	24.84
	19 Nitrobenzene	77	8.553	8.553	(0.882)	412661	25.0000	24.51
	20 Isophorone	82	8.938	8.938	(0.922)	723807	25.0000	24.27
	21 2-Nitrophenol	139	9.066	9.066	(0.935)	183085	25.0000	26.88
	22 2,4-Dimethylphenol	107	9.173	9.173	(0.946)	361866	25.0000	25.22
	23 Bis(2-Chloroethoxy)methane	93	9.328	9.328	(0.962)	441833	25.0000	24.38
	24 Benzoic acid	105	9.413	9.413	(0.971)	569828	50.0000	56.72
	25 2,4-Dichlorophenol	162	9.445	9.445	(0.974)	263139	25.0000	26.54
	26 1,2,4-Trichlorobenzene	180	9.579	9.579	(0.988)	266978	25.0000	24.81
*	27 Naphthalene-d8	136	9.637	9.637	(1.000)	717645	20.0000	(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
	28 Naphthalene	128	9.669	9.669	(0.997)	911326	25.0000	25.90
	29 4-Chloroaniline	127	9.808	9.808	(1.012)	415701	25.0000	25.93
	30 Hexachlorobutadiene	225	9.990	9.990	(1.030)	128616	25.0000	24.86
	31 4-Chloro-3-methylphenol	107	10.615	10.615	(1.095)	309315	25.0000	25.83
	32 2-Methylnaphthalene	141	10.791	10.791	(1.113)	490637	25.0000	24.76
	33 Hexachlorocyclopentadiene	237	11.171	11.171	(0.893)	137461	25.0000	33.52
	34 2,4,6-Trichlorophenol	196	11.304	11.304	(0.904)	172818	25.0000	26.61
	35 2,4,5-Trichlorophenol	196	11.358	11.358	(0.908)	180369	25.0000	25.82
$	36 2-Fluorobiphenyl	172	11.438	11.438	(0.915)	632999	25.0000	25.04
	37 2-Chloronaphthalene	162	11.571	11.571	(0.925)	553110	25.0000	24.86
	38 2-Nitroaniline	65	11.801	11.801	(0.944)	217748	25.0000	24.78
	39 Dimethylphthalate	163	12.180	12.180	(0.974)	607239	25.0000	25.31
	40 Acenaphthylene	152	12.250	12.250	(0.979)	890554	25.0000	24.85
	41 2,6-Dinitrotoluene	165	12.271	12.271	(0.981)	138971	25.0000	26.61
*	42 Acenaphthene-d10	164	12.506	12.506	(1.000)	392612	20.0000	
	43 3-Nitroaniline	138	12.479	12.479	(0.998)	177902	25.0000	26.66
	44 Acenaphthene	153	12.554	12.554	(1.004)	554044	25.0000	24.77
	45 2,4-Dinitrophenol	184	12.650	12.650	(1.012)	109390	50.0000	105.6
	46 Dibenzofuran	168	12.816	12.816	(1.025)	734450	25.0000	24.65
	47 4-Nitrophenol	109	12.784	12.784	(1.022)	93128	25.0000	27.50
	48 2,4-Dinitrotoluene	165	12.901	12.901	(1.032)	183581	25.0000	26.96
	50 Diethylphthalate	149	13.345	13.345	(1.067)	616154	25.0000	25.21
	49 Fluorene	166	13.377	13.377	(1.070)	615970	25.0000	24.80
	51 4-Chlorophenyl-phenylether	204	13.404	13.404	(1.072)	274138	25.0000	24.88
	52 4-Nitroaniline	138	13.478	13.478	(1.078)	175816	25.0000	27.03
	53 4,6-Dinitro-2-methylphenol	198	13.558	13.558	(0.911)	174216	50.0000	75.30
	54 N-Nitrosodiphenylamine	169	13.607	13.607	(0.914)	305995	25.0000	25.09
$	55 2,4,6-Tribromophenol	330	13.804	13.804	(1.104)	76769	25.0000	27.72
	56 4-Bromophenyl-phenylether	248	14.189	14.189	(0.953)	144699	25.0000	25.13
	57 Hexachlorobenzene	284	14.408	14.408	(0.968)	154607	25.0000	24.52
	58 Pentachlorophenol	266	14.707	14.707	(0.988)	96886	25.0000	28.84
*	59 Phenanthrene-d10	188	14.889	14.889	(1.000)	585303	20.0000	
	60 Phenanthrene	178	14.926	14.926	(1.002)	846468	25.0000	25.78
	61 Anthracene	178	15.001	15.001	(1.008)	866679	25.0000	24.77
	62 Carbazole	167	15.284	15.284	(1.027)	833424	25.0000	27.04
	63 Di-n-butylphthalate	149	16.005	16.005	(1.075)	1004485	25.0000	25.06
	64 Fluoranthene	202	16.876	16.876	(1.133)	856556	25.0000	24.80
	65 Pyrene	202	17.229	17.229	(0.896)	892811	25.0000	25.15
$	66 Terphenyl-d14	244	17.549	17.549	(0.913)	550747	25.0000	25.55
	67 Butylbenzylphthalate	149	18.436	18.436	(0.959)	457156	25.0000	26.01
	68 Benzo(a)anthracene	228	19.200	19.200	(0.999)	683676	25.0000	24.79
*	69 Chrysene-d12	240	19.227	19.227	(1.000)	417116	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.205	19.205	(0.999)	247439	25.0000	25.54
	71 Chrysene	228	19.264	19.264	(1.002)	682350	25.0000	24.56
	72 bis(2-Ethylhexyl)phthalate	149	19.435	19.435	(0.954)	630241	25.0000	26.32
*	134 Di-n-octylphthalate-d4	153	20.370	20.370	(1.000)	917217	20.0000	
	73 Di-n-octylphthalate	149	20.380	20.380	(1.001)	994908	25.0000	24.75

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	20.861	20.861	(0.975)	728788	25.0000	25.28
75 Benzo(k)fluoranthene	252	20.899	20.899	(0.977)	738524	25.0000	26.78
76 Benzo(a)pyrene	252	21.310	21.310	(0.996)	660870	25.0000	25.18
* 77 Perylene-d12	264	21.390	21.390	(1.000)	463417	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.929	22.929	(1.072)	785865	25.0000	23.90
79 Dibenzo(a,h)anthracene	278	22.955	22.955	(1.073)	654779	25.0000	24.03
80 Benzo(g,h,i)perylene	276	23.356	23.356	(1.092)	730759	25.0000	24.06
90 N-Nitrosodimethylamine	74	3.339	3.339	(0.439)	258943	25.0000	25.03
103 Pyridine	79	3.328	3.328	(0.438)	442808	25.0000	25.20
91 Aniline	93	7.169	7.169	(0.942)	571995	25.0000	25.12
105 1-methylnaphthalene	141	10.962	10.962	(1.131)	502573	25.0000	24.90
93 Benzidine	184	17.122	17.122	(0.891)	438832	25.0000	25.76
98 Retene	219	17.795	17.795	(0.926)	362435	25.0000	25.57
111 Azobenzene (1,2-DP-Hydrazine)	77	13.655	13.655	(1.092)	771177	25.0000	24.30
144 alpha-Terpineol	59	9.696	9.696	(1.000)	258752	25.0000	23.68
143 1,4-Dioxane	88	2.677	2.677	(0.352)	171472	25.0000	24.77
$ 137 d8-1,4-Dioxane	96	2.623	2.623	(0.345)	166081	25.0000	25.71
133 Butylatedhydroxytoluene	205	12.682	12.682	(1.014)	436599	25.0000	24.67
115 Tributyl Phosphate	99	13.713	13.713	(0.921)	847527	25.0000	24.92
116 Dibutyl Phenyl Phosphate	175	15.450	15.450	(1.038)	593897	25.0000	25.34
117 Butyl Diphenyl Phosphate	94	17.143	17.143	(0.892)	208948	25.0000	25.98
118 Triphenyl Phosphate	326	18.751	18.751	(0.975)	128915	25.0000	26.23

QC Flag Legend

H - Operator selected an alternate compound hit.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: cc0812.d
Lab Smp Id: ABN 25
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060812.b/SW846.m
Misc Info:

Calibration Date: 12-AUG-2006
Calibration Time: 10:39

Level:
Sample Type:

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	192813	96406	385626	192813	0.00
27 Naphthalene-d8	717645	358822	1435290	717645	0.00
42 Acenaphthene-d10	392612	196306	785224	392612	0.00
59 Phenanthrene-d10	585303	292652	1170606	585303	0.00
69 Chrysene-d12	417116	208558	834232	417116	0.00
134 Di-n-octylphthala	917217	458608	1834434	917217	0.00
77 Perylene-d12	463417	231708	926834	463417	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.61	7.11	8.11	7.61	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.51	12.01	13.01	12.51	0.00
59 Phenanthrene-d10	14.89	14.39	15.39	14.89	0.00
69 Chrysene-d12	19.23	18.73	19.73	19.23	0.00
134 Di-n-octylphthala	20.37	19.87	20.87	20.37	0.00
77 Perylene-d12	21.39	20.89	21.89	21.39	0.00

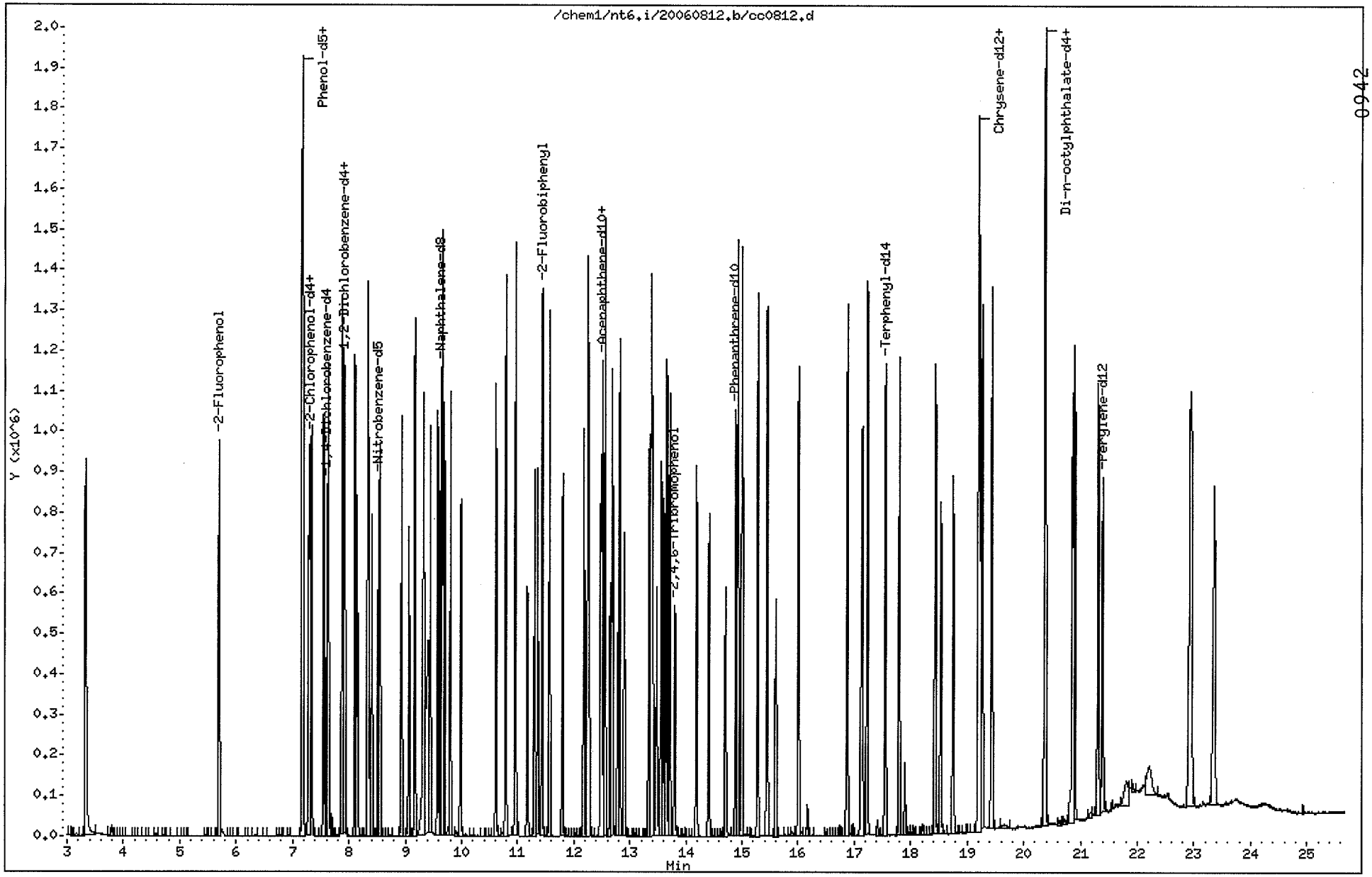
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20060812.b/cc0812.d
Date : 12-AUG-2006 10:39
Client ID:
Sample Info: ABN 25

Column phase: ZB-5

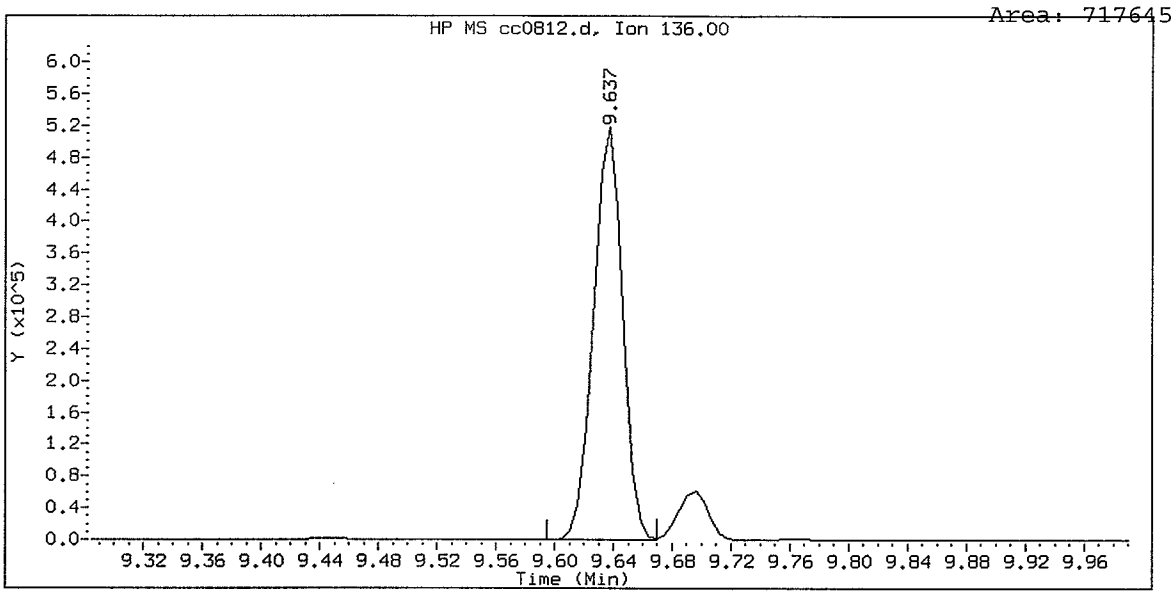
Instrument: nt6.i

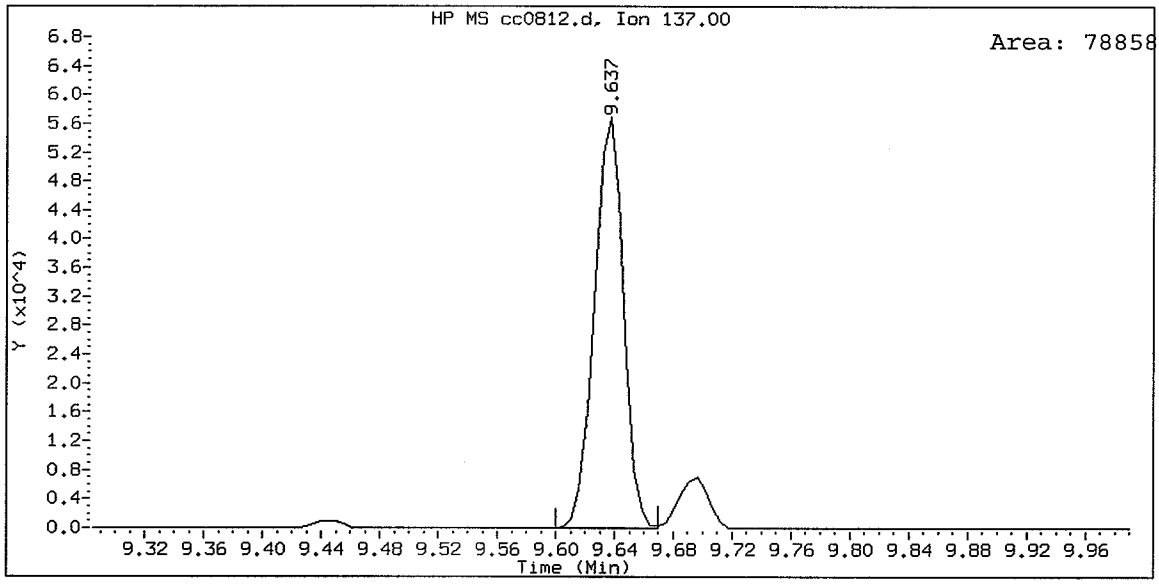
Operator: LJR
Column diameter: 0.32

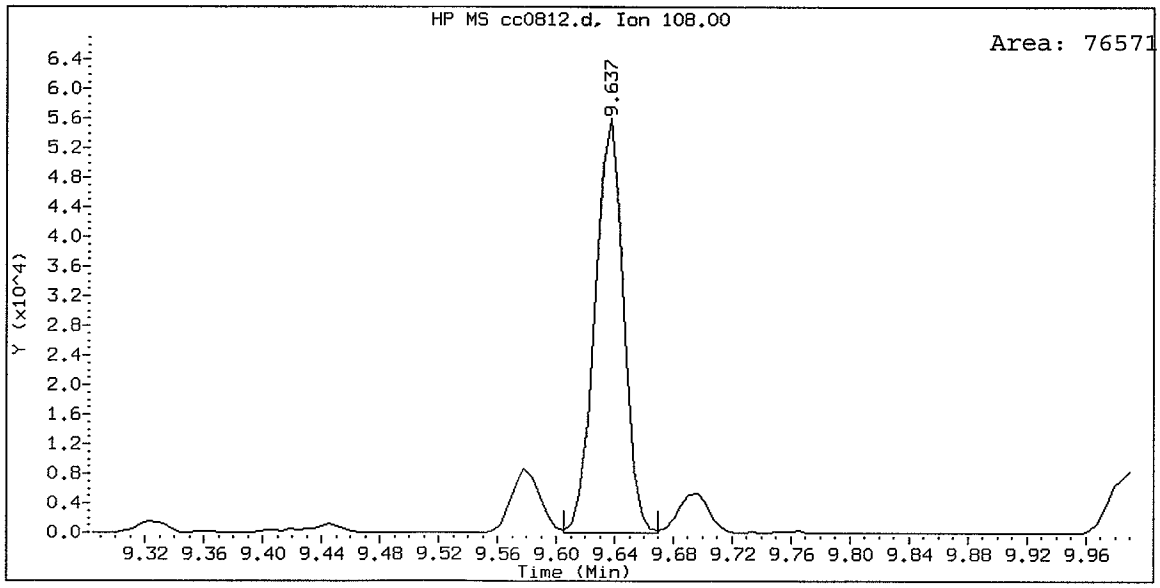


0942

ABN 25, /chem1/nt6.i/20060812.b/cc0812.d
Naphthalene-d8 Amount: 20.00







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

Data file: /chem1/nt6.i/20060812.b/ddt.b/cc0812.d
Method: /chem1/nt6.i/20060812.b/ddt.b/sw846ddt.m
Analysis Date: 12-AUG-2006 10:39

ARI ID:
Misc:
Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.707	96886
Benzidine	17.122	437311
4,4'-DDE	----	----
4,4'-DDD	18.057	4978
4,4'-DDT	18.532	222793

LJK
8/13/06

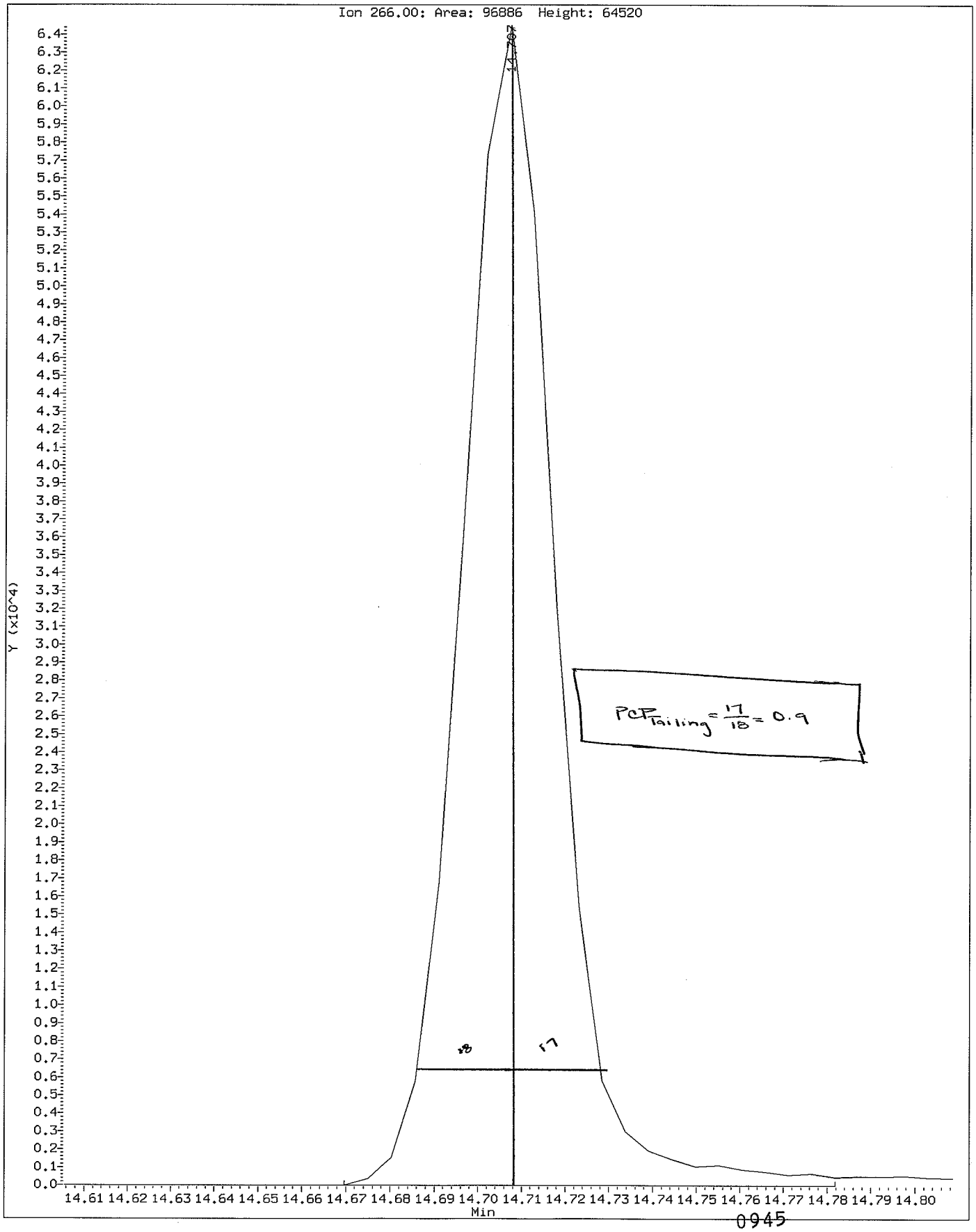
$$\text{DDT Percent Breakdown} = \frac{(\text{DDE Area} + \text{DDD Area}) * 100}{(\text{DDE Area} + \text{DDD Area} + \text{DDT Area})}$$

$$\text{DDT Percent Breakdown} = \frac{(0 + 4978) * 100}{(0 + 4978 + 222793)}$$

DDT Percent Breakdown = 2.2 %

Data File: /chem1/nt6.i/20060812.b/ddt.b/cc0812.d
Injection Date: 12-AUG-2006 10:39
Instrument: nt6.i
Client Sample ID:

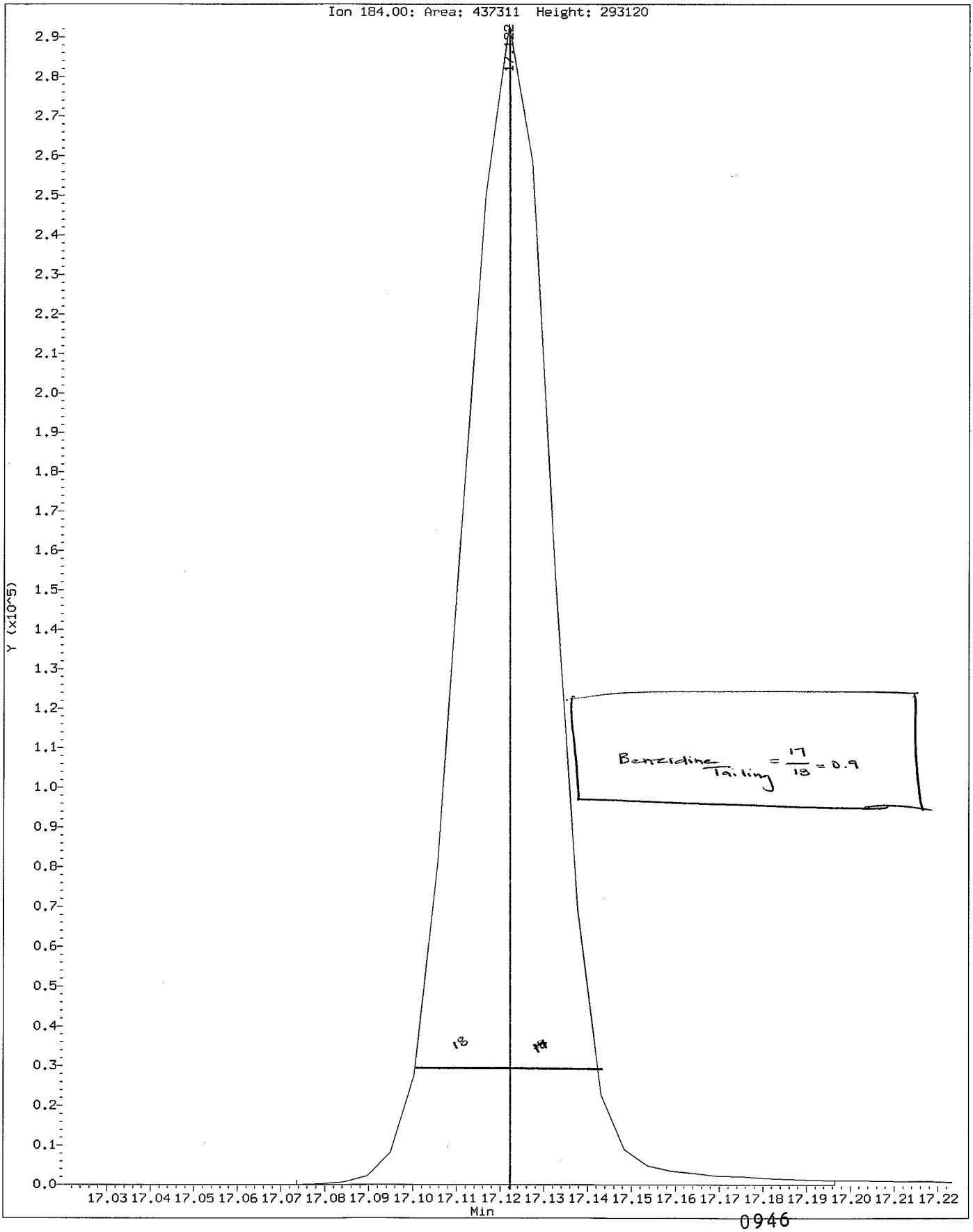
Compound: Pentachlorophenol
CAS Number: 87-86-5



0945

Data File: /chem1/nt6.i/20060812.b/ddt.b/cc0812.d
Injection Date: 12-AUG-2006 10:39
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: JQ36

prepared
by

Analytical Resources, Inc.

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

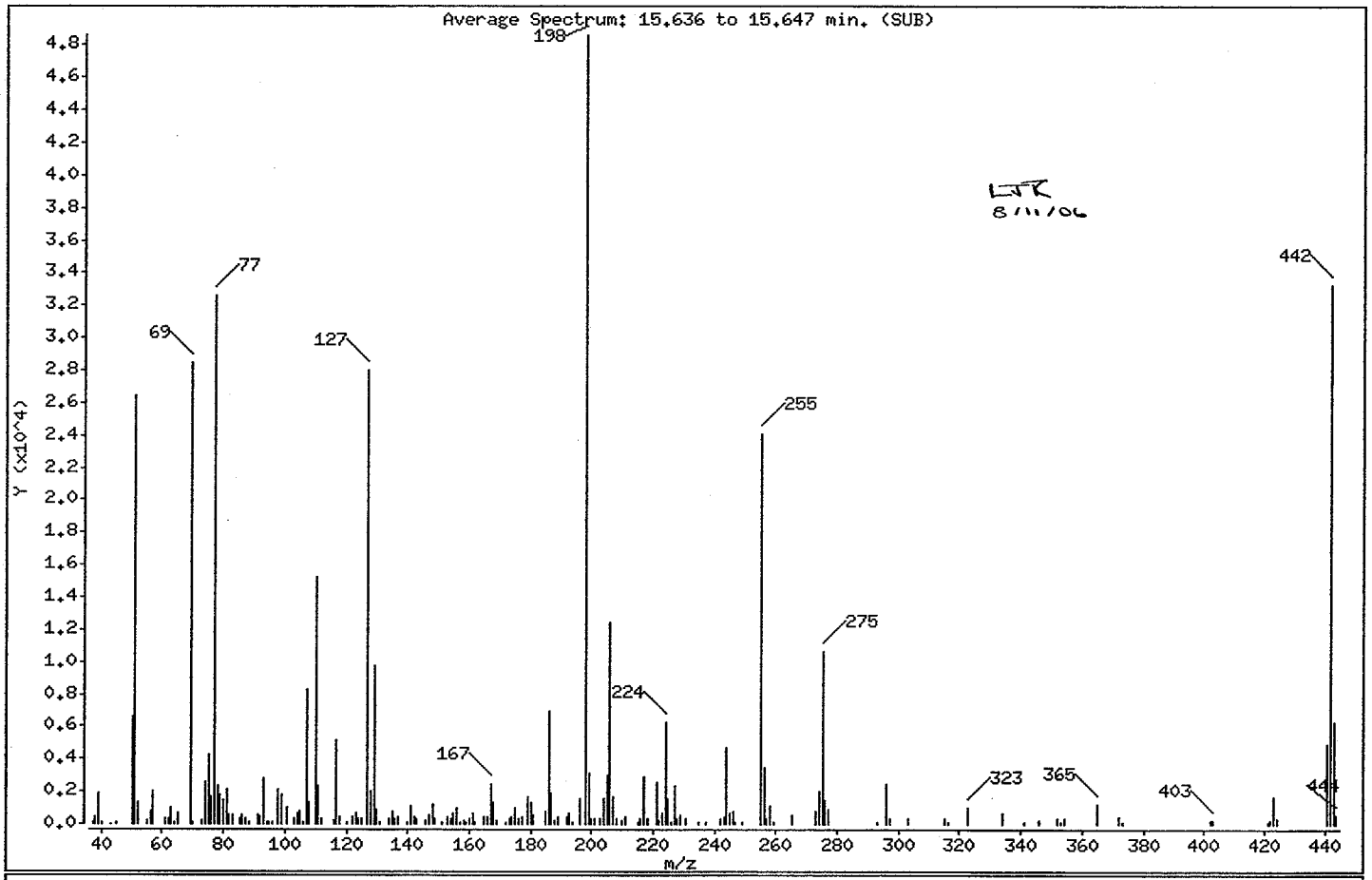
Sample Info: ABN 25

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	54.45
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.42
70	Less than 2.00% of mass 69	0.33 (0.56)
127	25.00 - 75.00% of mass 198	57.58
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.52
275	10.00 - 30.00% of mass 198	21.84
365	Greater than 0.75% of mass 198	2.49
441	Present, but less than mass 443	10.21
442	40.00 - 110.00% of mass 198	68.43
443	15.00 - 24.00% of mass 442	12.97 (18.95)

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250810.d
Spectrum: Average Spectrum: 15.636 to 15.647 min. (SUB)
Location of Maximum: 198.00
Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	85	106.00	74	169.00	260	237.00	69
38.00	397	107.00	8277	172.00	76	242.00	313
39.00	1904	108.00	1388	173.00	303	243.00	421
40.00	67	110.00	15284	174.00	478	244.00	4713
43.00	38	111.00	2316	175.00	1000	245.00	724
45.00	69	112.00	357	176.00	339	246.00	802
50.00	6648	116.00	201	177.00	491	247.00	167
51.00	26464	117.00	5150	179.00	1651	249.00	69
52.00	1326	118.00	428	180.00	1306	255.00	24128
55.00	277	120.00	67	181.00	587	256.00	3455
56.00	824	122.00	482	185.00	832	257.00	335
57.00	1966	123.00	718	186.00	6979	258.00	1124
61.00	365	124.00	285	187.00	1930	259.00	71
62.00	380	125.00	365	188.00	244	265.00	512
63.00	1059	127.00	27984	189.00	425	273.00	770
64.00	67	128.00	2058	192.00	490	274.00	2062
65.00	665	129.00	9715	193.00	671	275.00	10614
69.00	28392	130.00	944	194.00	69	276.00	1430
70.00	160	131.00	76	196.00	1552	277.00	892
73.00	264	134.00	286	198.00	48600	293.00	155
74.00	2585	135.00	762	199.00	3167	296.00	2486
75.00	4291	136.00	381	200.00	307	297.00	348
76.00	1631	137.00	460	201.00	280	303.00	339
77.00	32608	140.00	161	203.00	360	315.00	377
78.00	2338	141.00	1126	204.00	1545	316.00	70
79.00	1784	142.00	437	205.00	2987	323.00	960
80.00	1439	143.00	305	206.00	12481	334.00	650
81.00	2156	146.00	177	207.00	1728	341.00	70
82.00	529	147.00	605	208.00	346	346.00	218
83.00	603	148.00	1256	210.00	196	352.00	290
85.00	297	149.00	368	211.00	459	353.00	124
86.00	561	151.00	67	215.00	77	354.00	287
87.00	298	153.00	410	216.00	288	365.00	1209
88.00	66	154.00	344	217.00	2930	372.00	447
91.00	511	155.00	714	218.00	390	373.00	67

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: 0250810.d
Spectrum: Average Spectrum: 15.636 to 15.647 min. (SUB)
Location of Maximum: 198.00
Number of points: 183

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	459	156.00	1036	221.00	2570	402.00	196
93.00	2746	157.00	96	222.00	217	403.00	278
94.00	108	158.00	168	223.00	669	421.00	141
95.00	72	159.00	92	224.00	6265	422.00	253
96.00	149	160.00	346	225.00	1602	423.00	1625
98.00	2143	161.00	626	226.00	142	424.00	353
99.00	1777	162.00	67	227.00	2384	441.00	4964
101.00	981	165.00	416	228.00	326	442.00	33256
103.00	360	166.00	437	229.00	518	443.00	6303
104.00	677	167.00	2429	231.00	314	444.00	597
105.00	757	168.00	1346	235.00	77		

Data File: /chem1/nt6.i/20060810a.b/tune.b/0250810.d

Date : 10-AUG-2006 15:42

Client ID:

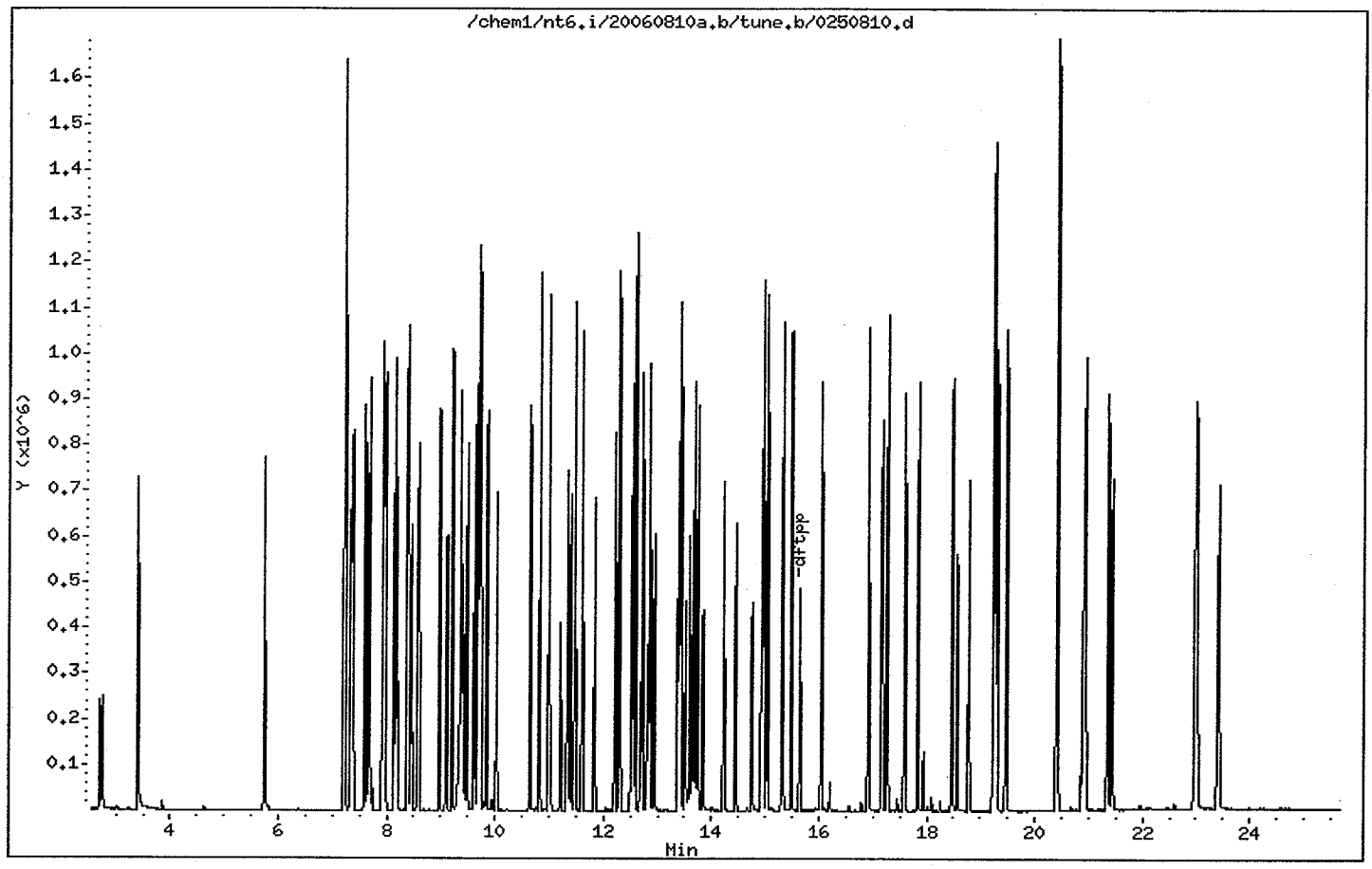
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060811.b/tune.b/cc0811.d

Date : 11-AUG-2006 08:30

Client ID:

Instrument: nt6.i

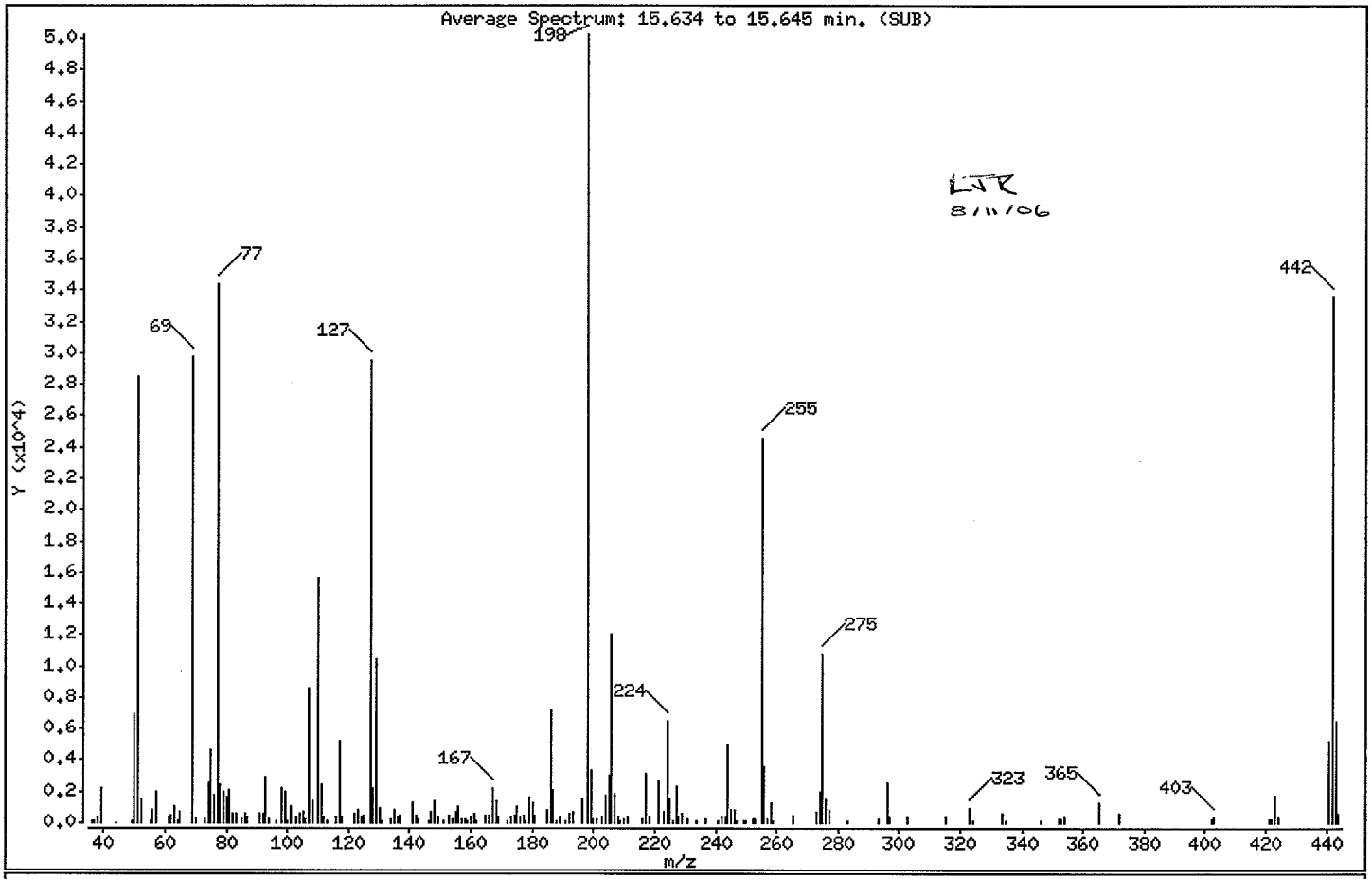
Sample Info: ABN 25

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	56.58
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	59.16
70	Less than 2.00% of mass 69	0.50 (0.84)
127	25.00 - 75.00% of mass 198	58.71
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	21.46
365	Greater than 0.75% of mass 198	2.48
441	Present, but less than mass 443	10.36
442	40.00 - 110.00% of mass 198	66.81
443	15.00 - 24.00% of mass 442	12.88 (19.29)

Data File: /chem1/nt6.i/20060811.b/tune.b/cc0811.d

Date : 11-AUG-2006 08:30

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0811.d
Spectrum: Average Spectrum: 15.634 to 15.645 min. (SUB)
Location of Maximum: 198.00
Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	70	108.00	1435	175.00	1028	245.00	778
37.00	70	110.00	15674	176.00	292	246.00	854
38.00	341	111.00	2377	177.00	486	247.00	154
39.00	2243	112.00	354	178.00	75	249.00	170
44.00	49	113.00	69	179.00	1639	250.00	79
49.00	102	116.00	380	180.00	1327	252.00	175
50.00	6951	117.00	5174	181.00	499	253.00	275
51.00	28424	118.00	356	185.00	863	255.00	24520
52.00	1505	122.00	543	186.00	7149	256.00	3608
55.00	161	123.00	767	187.00	2119	257.00	287
56.00	826	124.00	379	188.00	151	258.00	1216
57.00	1974	125.00	438	189.00	395	259.00	101
61.00	346	127.00	29496	191.00	67	265.00	519
62.00	513	128.00	2249	192.00	554	273.00	713
63.00	1069	129.00	10382	193.00	638	274.00	1957
64.00	140	130.00	871	196.00	1549	275.00	10781
65.00	663	131.00	75	198.00	50240	276.00	1487
69.00	29720	134.00	198	199.00	3409	277.00	845
70.00	250	135.00	834	200.00	219	283.00	68
73.00	197	136.00	320	201.00	257	293.00	217
74.00	2566	137.00	503	203.00	325	296.00	2576
75.00	4609	141.00	1247	204.00	1733	297.00	335
76.00	1747	142.00	429	205.00	3007	303.00	354
77.00	34400	143.00	268	206.00	12015	315.00	329
78.00	2422	146.00	169	207.00	1873	323.00	953
79.00	1938	147.00	677	208.00	387	324.00	75
80.00	1598	148.00	1438	209.00	76	334.00	566
81.00	2123	149.00	323	210.00	200	335.00	73
82.00	611	151.00	169	211.00	324	346.00	73
83.00	582	153.00	407	216.00	176	352.00	261
85.00	264	154.00	285	217.00	3082	353.00	286
86.00	576	155.00	702	218.00	375	354.00	340
87.00	300	156.00	1085	221.00	2616	365.00	1245
91.00	581	157.00	177	223.00	737	372.00	537
92.00	570	158.00	222	224.00	6451	402.00	182

Data File: /chem1/nt6.i/20060811.b/tune.b/cc0811.d

Date : 11-AUG-2006 08:30

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0811.d
Spectrum: Average Spectrum: 15.634 to 15.645 min. (SUB)
Location of Maximum: 198.00
Number of points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
93.00	2896	159.00	72	225.00	1531	403.00	341
94.00	263	160.00	363	226.00	134	421.00	213
96.00	81	161.00	606	227.00	2317	422.00	257
98.00	2182	162.00	146	228.00	358	423.00	1699
99.00	1917	165.00	445	229.00	527	424.00	331
100.00	153	166.00	493	231.00	235	441.00	5203
101.00	1025	167.00	2226	234.00	85	442.00	33568
103.00	378	168.00	1419	237.00	259	443.00	6474
104.00	633	169.00	296	241.00	81	444.00	593
105.00	638	172.00	71	242.00	309		
106.00	210	173.00	292	243.00	386		
107.00	8562	174.00	509	244.00	4928		

Data File: /chem1/nt6.i/20060811.b/tune.b/cc0811.d

Date : 11-AUG-2006 08:30

Client ID:

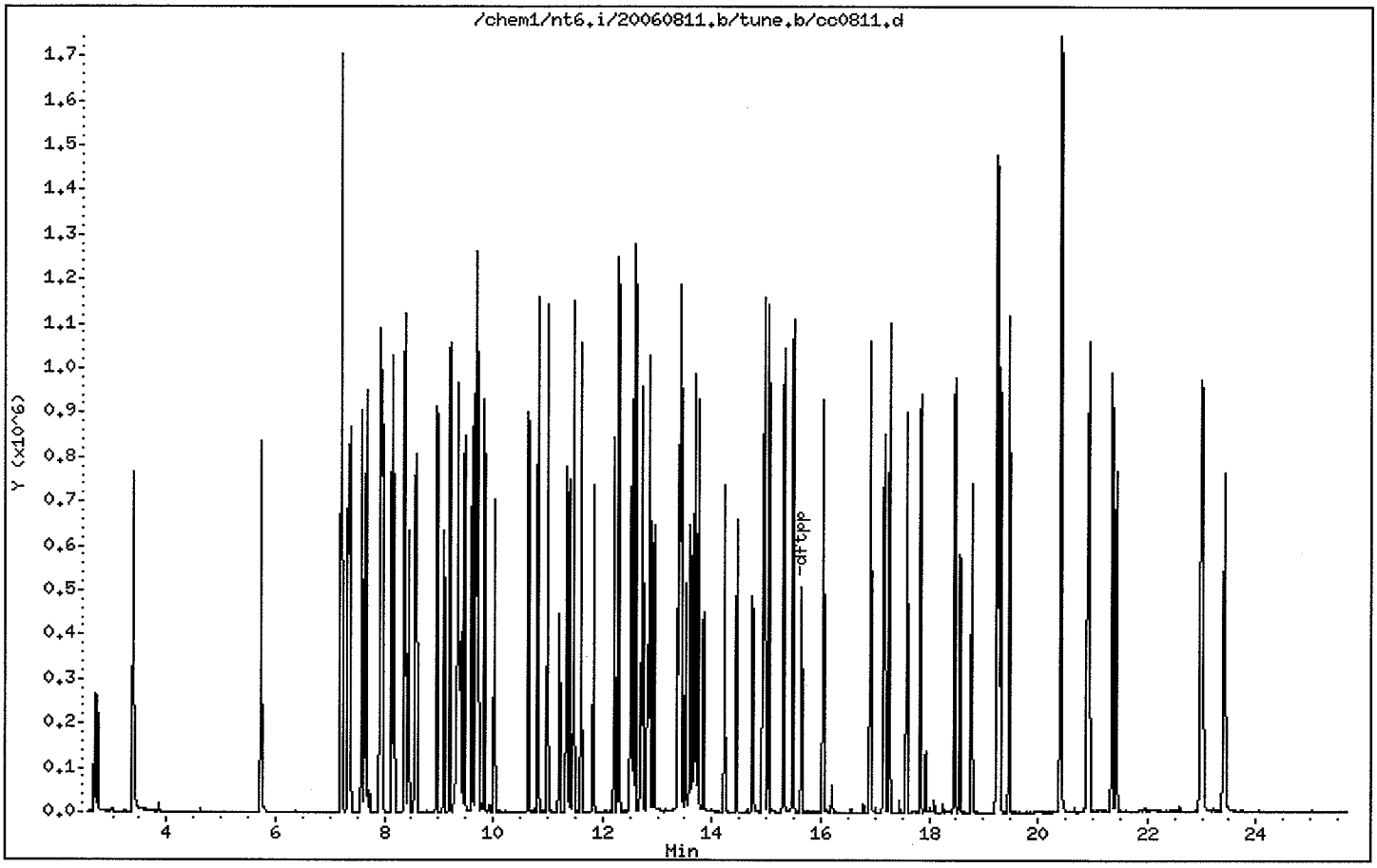
Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32



Data File: /chem1/nt6.i/20060812.b/tune.b/cc0812.d

Date : 12-AUG-2006 10:39

Client ID:

Instrument: nt6.i

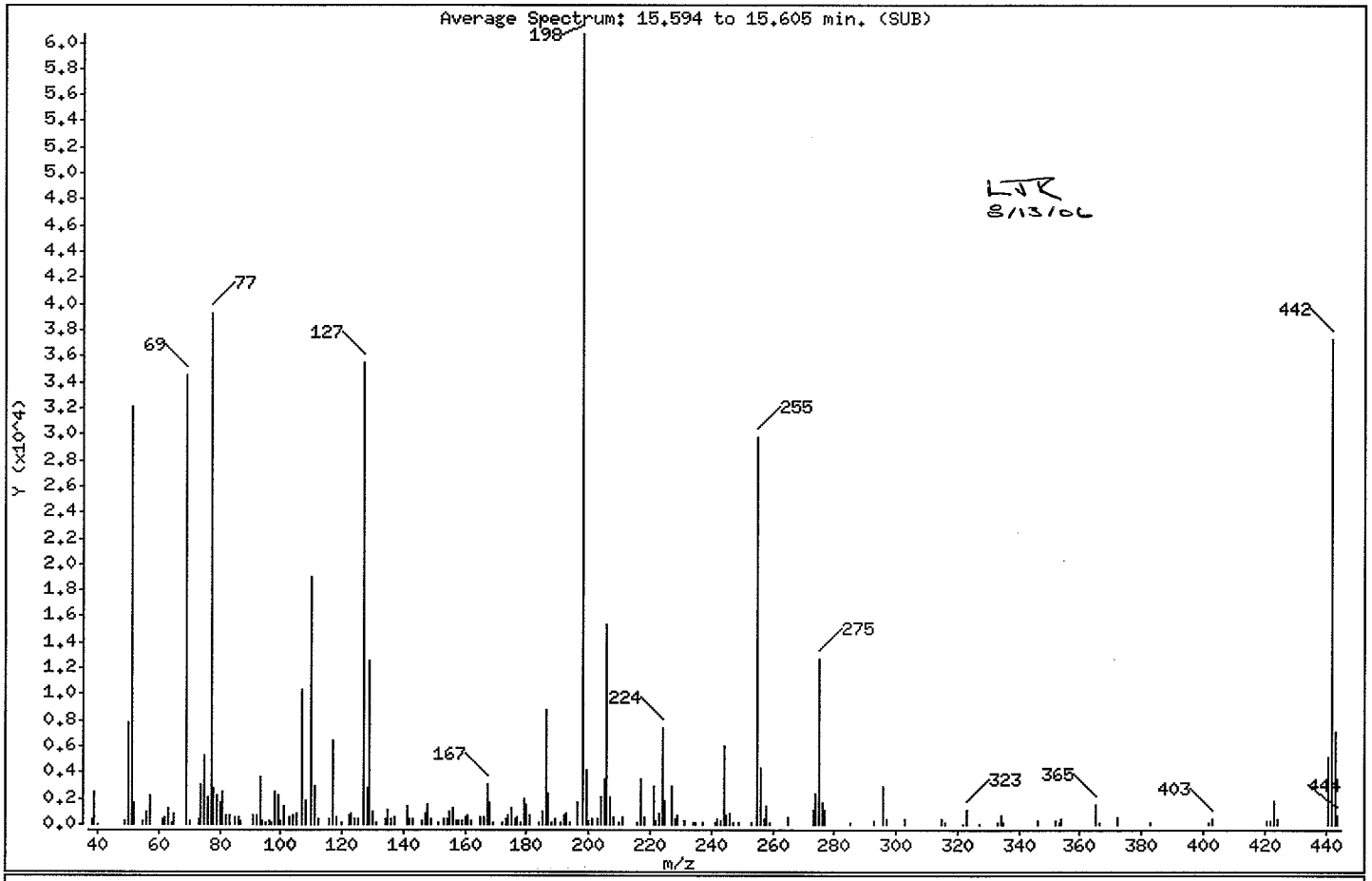
Sample Info: ABN 25

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	52.92
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	57.01
70	Less than 2.00% of mass 69	0.37 (0.65)
127	25.00 - 75.00% of mass 198	58.56
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.00
275	10.00 - 30.00% of mass 198	20.99
365	Greater than 0.75% of mass 198	2.65
441	Present, but less than mass 443	8.61
442	40.00 - 110.00% of mass 198	61.58
443	15.00 - 24.00% of mass 442	11.85 (19.24)

Data File: /chem1/nt6.i/20060812.b/tune.b/cc0812.d

Date : 12-AUG-2006 10:39

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0812.d

Spectrum: Average Spectrum: 15.594 to 15.605 min. (SUB)

Location of Maximum: 198.00

Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	409	111.00	2939	178.00	97	247.00	96
39.00	2558	112.00	374	179.00	1989	249.00	174
40.00	69	116.00	479	180.00	1584	253.00	77
49.00	318	117.00	6488	181.00	709	255.00	29688
50.00	7848	118.00	491	184.00	73	256.00	4338
51.00	32088	120.00	70	185.00	1035	257.00	363
52.00	1692	122.00	652	186.00	8751	258.00	1416
55.00	329	123.00	903	187.00	2420	259.00	209
56.00	965	124.00	433	188.00	189	265.00	522
57.00	2275	125.00	369	189.00	405	273.00	1102
61.00	412	127.00	35504	191.00	159	274.00	2359
62.00	516	128.00	2731	192.00	642	275.00	12728
63.00	1287	129.00	12512	193.00	856	276.00	1709
64.00	154	130.00	1039	194.00	86	277.00	1081
65.00	784	131.00	81	196.00	1702	285.00	175
69.00	34568	134.00	391	198.00	60632	293.00	287
70.00	224	135.00	1093	199.00	4244	296.00	2904
73.00	367	136.00	376	200.00	345	297.00	449
74.00	3038	137.00	552	201.00	351	303.00	451
75.00	5323	141.00	1429	203.00	409	315.00	382
76.00	2077	142.00	458	204.00	2056	316.00	148
77.00	39216	143.00	385	205.00	3476	322.00	68
78.00	2854	146.00	266	206.00	15302	323.00	1109
79.00	2222	147.00	774	207.00	2063	327.00	67
80.00	1737	148.00	1527	208.00	514	333.00	72
81.00	2537	149.00	410	210.00	110	334.00	687
82.00	653	151.00	165	211.00	576	335.00	148
83.00	763	153.00	482	216.00	89	346.00	227
85.00	493	154.00	397	217.00	3458	352.00	339
86.00	626	155.00	920	218.00	566	353.00	200
87.00	331	156.00	1316	221.00	2976	354.00	368
91.00	658	157.00	297	222.00	245	365.00	1605
92.00	652	158.00	246	223.00	775	366.00	188
93.00	3665	159.00	242	224.00	7415	372.00	621
94.00	330	160.00	494	225.00	1767	383.00	72

Data File: /chem1/nt6.i/20060812.b/tune.b/cc0812.d

Date : 12-AUG-2006 10:39

Client ID:

Instrument: nt6.i

Sample Info: ABN 25

Operator: LJR

Column phase: RTX-5

Column diameter: 0.32

Data File: cc0812.d
Spectrum: Average Spectrum: 15.594 to 15.605 min. (SUB)
Location of Maximum: 198.00
Number of points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
95.00	138	161.00	732	227.00	2914	402.00	207
96.00	250	162.00	230	228.00	353	403.00	388
97.00	72	165.00	490	229.00	637	421.00	276
98.00	2548	166.00	526	231.00	325	422.00	284
99.00	2235	167.00	3073	234.00	90	423.00	1762
100.00	210	168.00	1629	235.00	161	424.00	385
101.00	1416	169.00	186	237.00	193	441.00	5221
103.00	567	172.00	186	241.00	73	442.00	37336
104.00	739	173.00	380	242.00	375	443.00	7185
105.00	867	174.00	720	243.00	294	444.00	653
107.00	10331	175.00	1283	244.00	6006		
108.00	1828	176.00	443	245.00	760		
110.00	18960	177.00	543	246.00	901		

Data File: /chem1/nt6.i/20060812.b/tune.b/cc0812.d

Date : 12-AUG-2006 10:39

Client ID:

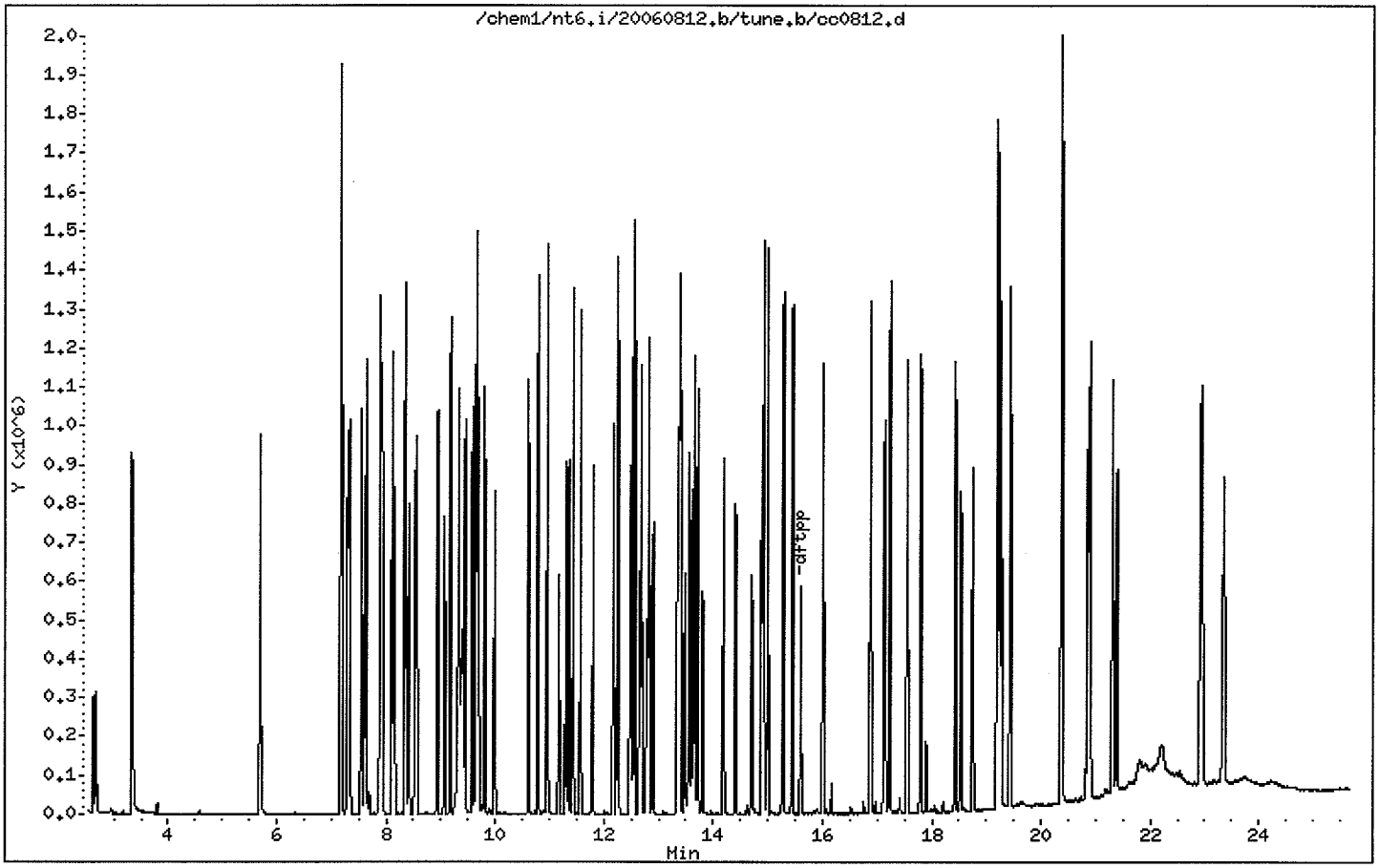
Instrument: nt6.i

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-080306
METHOD BLANK

Lab Sample ID: MB-080306
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 12:55
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

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

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**	**35**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d14-p-Terphenyl	79.6%

FORM I

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36mb.d
Lab Smp Id: JQ36MBS1 Client Smp ID: JQ36MBS1
Inj Date : 11-AUG-2006 12:55
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36MBS1
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:51 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 7 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 8/12/06

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)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.754	5.735	(0.752)	311868	24.6102	492.2
$ 2 Phenol-d5	99	7.202	7.199	(0.941)	400247	27.2150	544.3
3 Phenol	94	7.223	7.220	(0.944)	22050	1.27818	25.56
$ 5 2-Chlorophenol-d4	132	7.351	7.349	(0.961)	311250	26.0718	521.4
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	7.650	7.648	(1.000)	163704	20.0000	
9 1,4-Dichlorobenzene	146	Compound Not Detected.					
$ 10 1,2-Dichlorobenzene-d4	152	7.944	7.942	(1.038)	123771	16.9114	338.2
12 1,2-Dichlorobenzene	146	Compound Not Detected.					
11 Benzyl alcohol	108	Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
13 2-Methylphenol	108	Compound Not Detected.					
17 Hexachloroethane	117	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.559	8.561	(0.885)	252299	16.9895	339.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	Compound Not Detected.					
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
*	27 Naphthalene-d8	136	9.670	9.672	(1.000)	603412	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	11.470	11.473	(0.914)	378178	17.8646	357.3
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.544	12.546	(1.000)	328721	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	13.837	13.839	(1.103)	63497	27.3873	547.7
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.926	14.929	(1.000)	475282	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	16.038	16.040	(1.074)	57586	1.76923	35.38
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					
$ 66 Terphenyl-d14	244	17.587	17.584	(0.913)	357807	19.8749	397.5
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	Compound Not Detected.					
* 69 Chrysene-d12	240	19.259	19.262	(1.000)	348423	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	Compound Not Detected.					
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	20.402	20.405	(1.000)	776162	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	21.428	21.425	(1.000)	365941	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
79 Dibenzo(a,h)anthracene	278	Compound Not Detected.					
80 Benzo(g,h,i)perylene	276	Compound Not Detected.					
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36mb.d
Lab Smp Id: JQ36MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: JQ36MBS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	163704	3.27
27 Naphthalene-d8	584278	292139	1168556	603412	3.27
42 Acenaphthene-d10	318444	159222	636888	328721	3.23
59 Phenanthrene-d10	463777	231888	927554	475282	2.48
69 Chrysene-d12	336614	168307	673228	348423	3.51
134 Di-n-octylphthala	762795	381398	1525590	776162	1.75
77 Perylene-d12	420407	210204	840814	365941	-12.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.03
27 Naphthalene-d8	9.67	9.17	10.17	9.67	-0.03
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.40	19.90	20.90	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	0.01

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

Analytical Resources, Inc.

RECOVERY REPORT

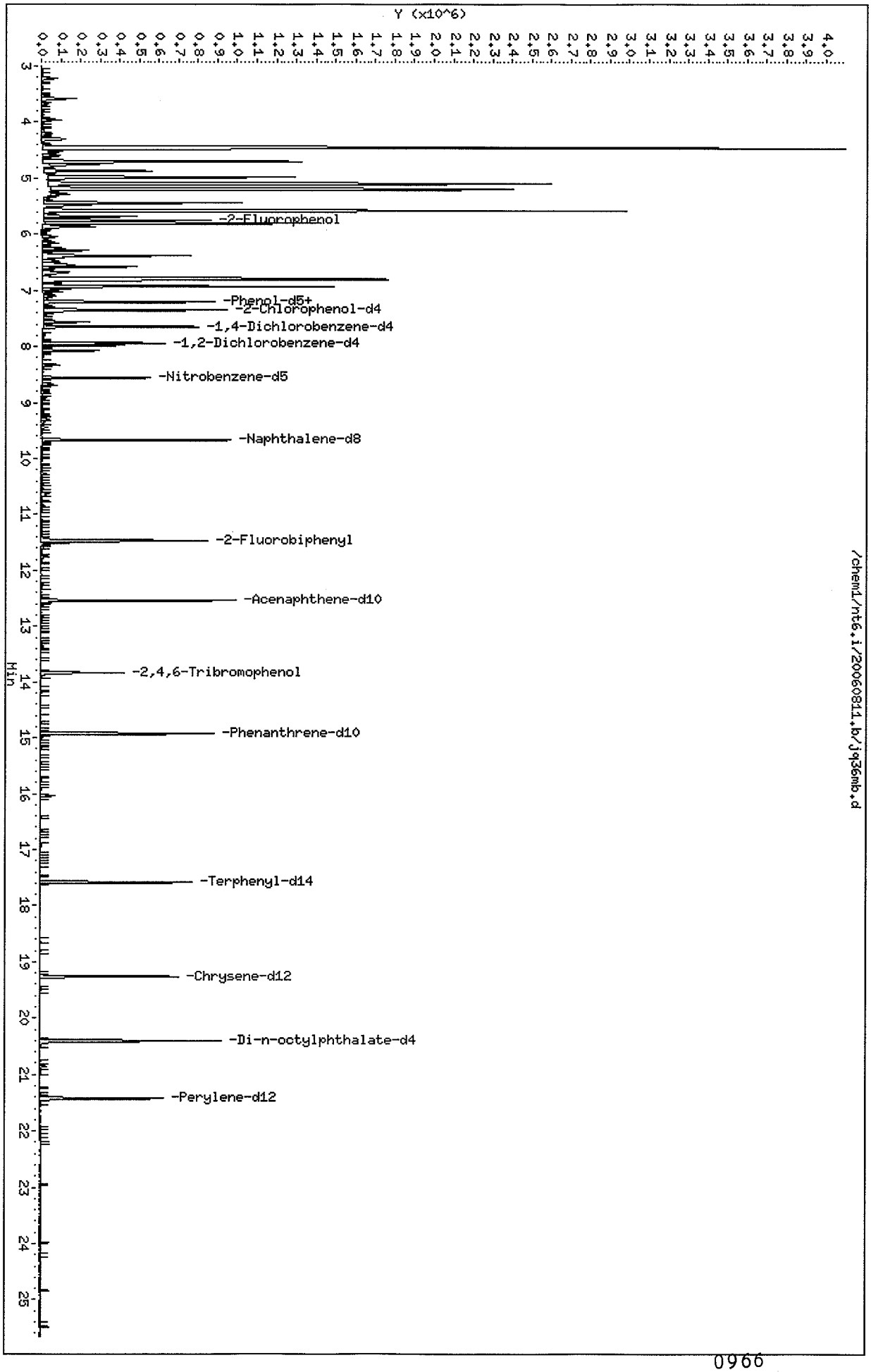
Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: SEPLCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Client SDG: JQ36
Fraction: SV
Client Smp ID: JQ36MBS1
Operator: LJR
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	492.2	65.63	42-87
$ 2 Phenol-d5	750.0	544.3	72.57	47-87
$ 5 2-Chlorophenol-d4	750.0	521.4	69.52	47-86
$ 10 1,2-Dichlorobenzen	500.0	338.2	67.65	43-82
$ 18 Nitrobenzene-d5	500.0	339.8	67.96	46-87
$ 36 2-Fluorobiphenyl	500.0	357.3	71.46	46-88
$ 55 2,4,6-Tribromophen	750.0	547.7	73.03	40-97
$ 66 Terphenyl-d14	500.0	397.5	79.50	37-114

Data File: /chem1/nt6.i/20060811.b/jq36mb.d
Date : 11-AUG-2006 12:55
Client ID: JQ36MBS1
Sample Info: JQ36MBS1
Volume Injected (uL): 1.0
Column phase: ZB-5

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



Data File: /chem1/nt6.i/20060811.b/jq36mb.d

Date : 11-AUG-2006 12:55

Client ID: JQ36MBS1

Instrument: nt6.i

Sample Info: JQ36MBS1

Volume Injected (uL): 1.0

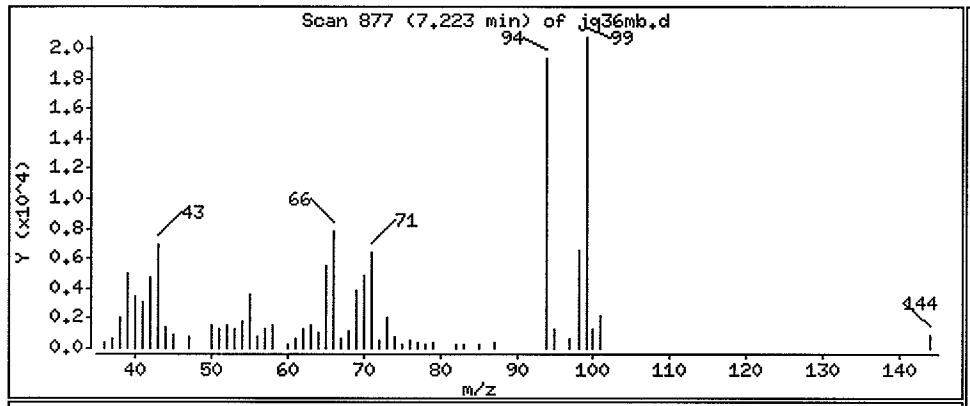
Operator: LJR

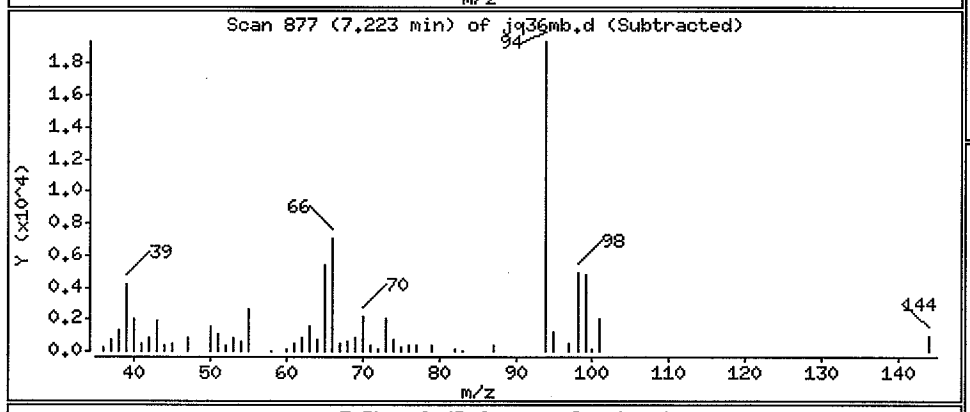
Column phase: ZB-5

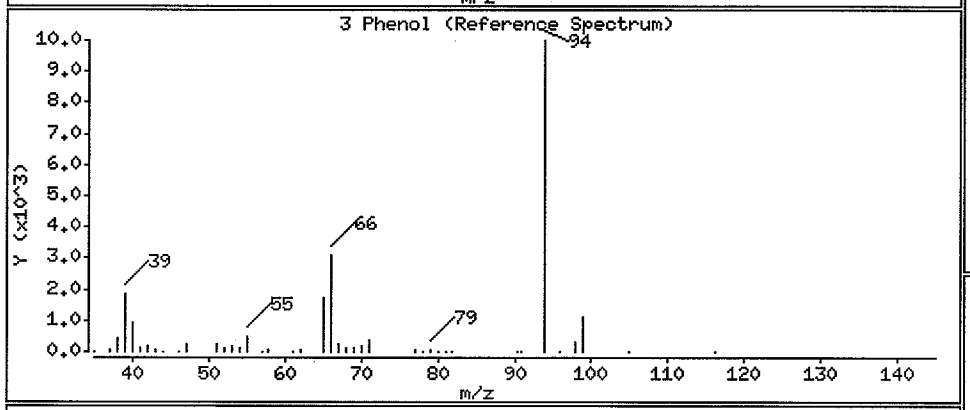
Column diameter: 0.32

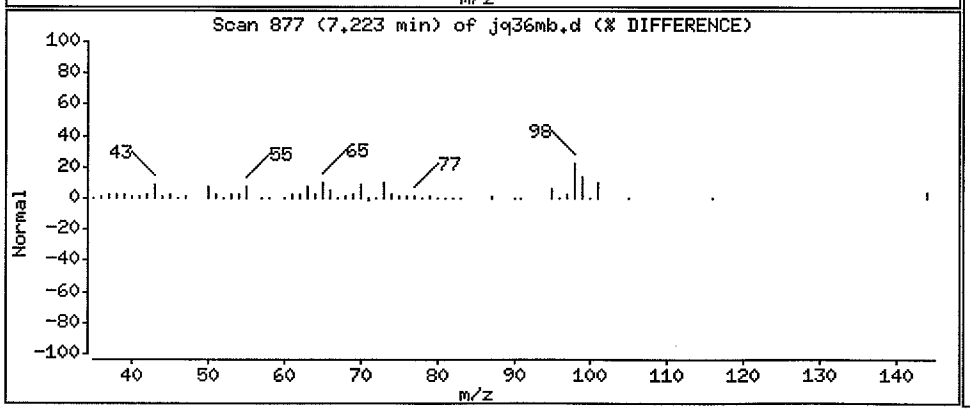
3 Phenol

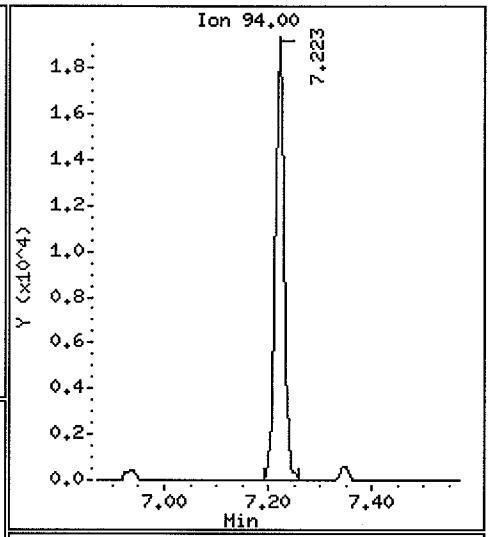
Concentration: 25.56 ug/kg

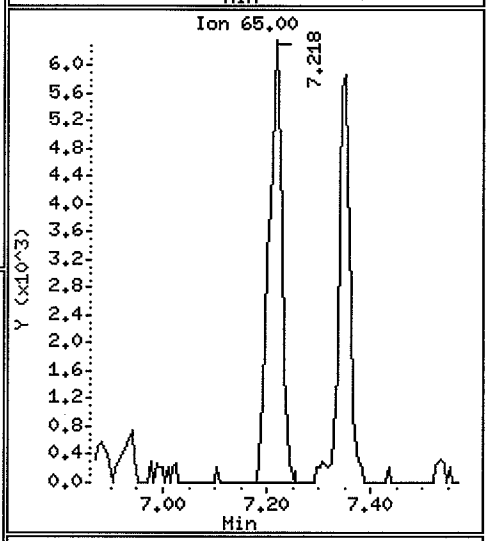


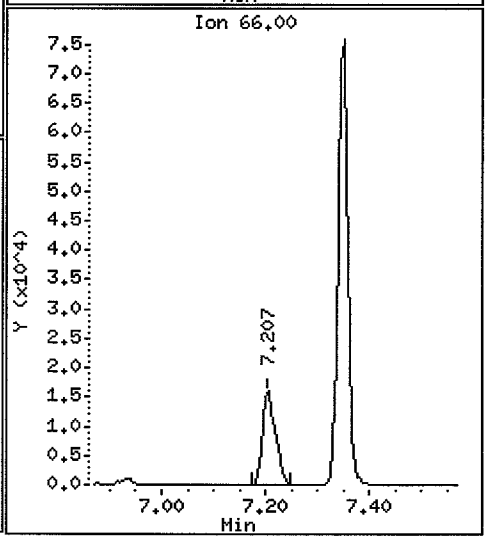












Data File: /chem1/nt6.i/20060811.b/jq36mb.d

Date : 11-AUG-2006 12:55

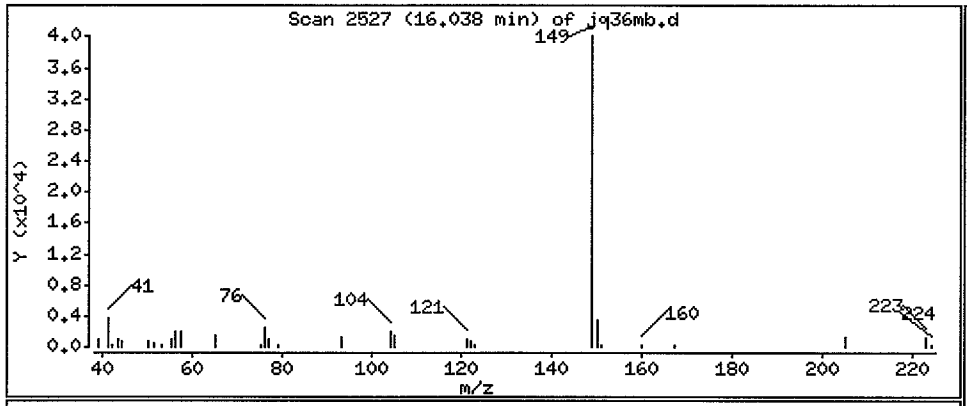
Client ID: JQ36MBS1 Instrument: nt6.i

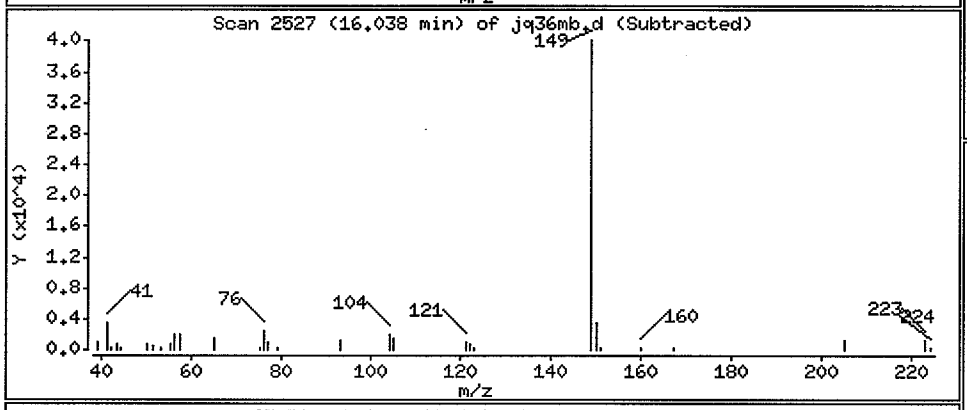
Sample Info: JQ36MBS1

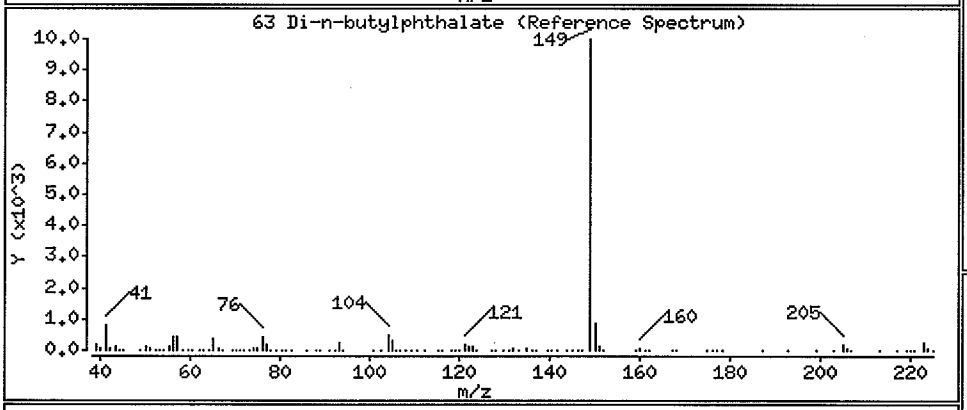
Volume Injected (uL): 1.0 Operator: LJR

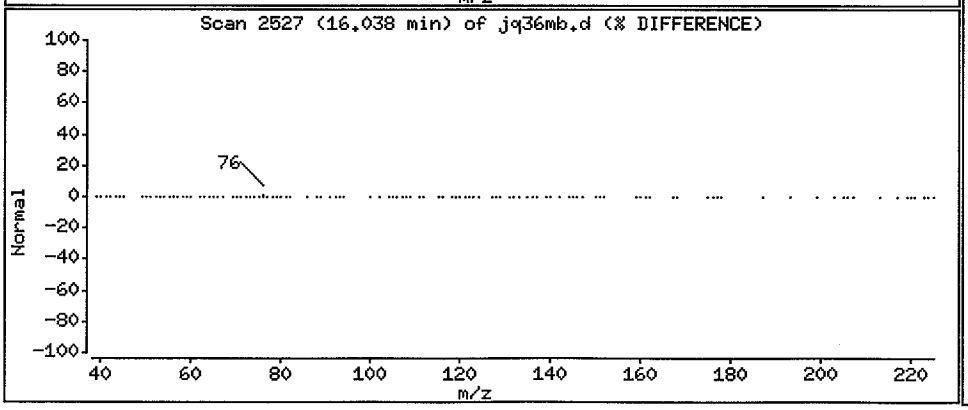
Column phase: ZB-5 Column diameter: 0.32

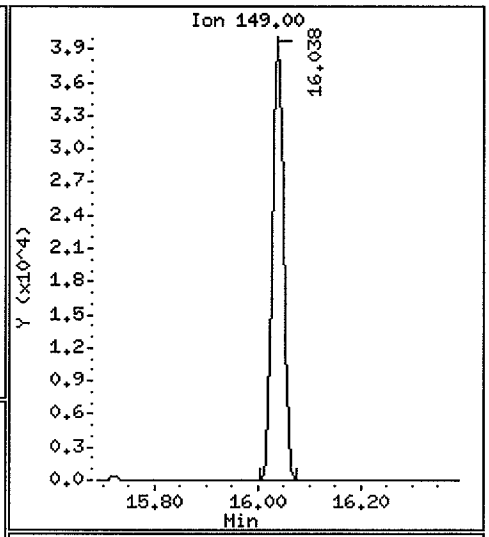
63 Di-n-butylphthalate Concentration: 35.38 ug/kg

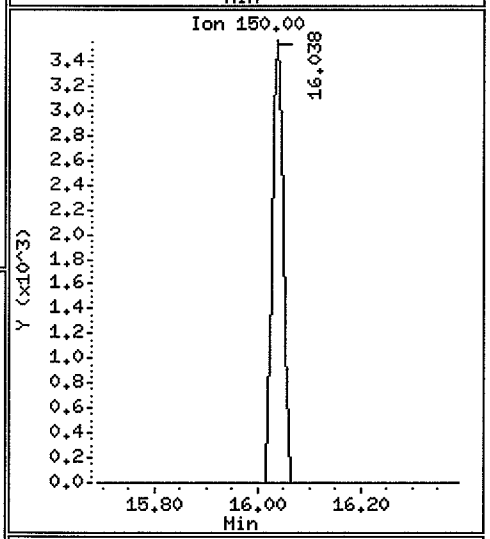


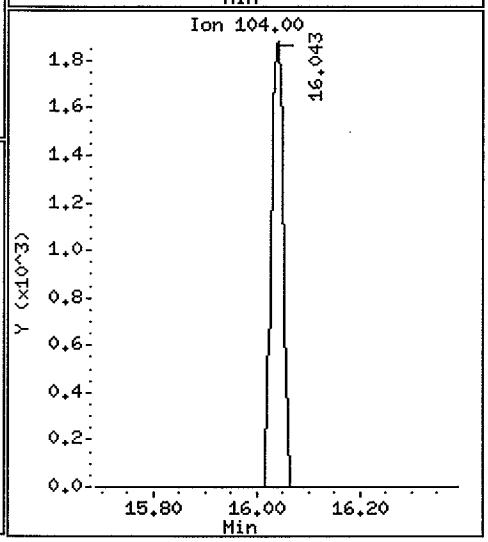












ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: T4-S3-07-E
MATRIX SPIKE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 16:14
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 17.6%
pH: 6.7

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**	**36 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	bis(2-Ethylhexyl)phthalate	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	68.8%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36dms.d
Lab Smp Id: JQ36DMS Client Smp ID: T4-S3-07-E MS
Inj Date : 11-AUG-2006 16:14
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36DMS
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:50 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 13 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDA.sub
Target Version: 3.50

LJR 8/12/06

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	61.10000	Weight of sample extracted (g)
M	17.60000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.872	5.735	(0.767)	160286	10.7107	212.7
$ 2 Phenol-d5	99	7.223	7.199	(0.943)	383897	22.1041	439.0
3 Phenol	94	7.239	7.220	(0.946)	406867	19.9717	396.7
$ 5 2-Chlorophenol-d4	132	7.368	7.349	(0.962)	298890	21.2007	421.1
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	7.394	7.370	(0.966)	286781	21.3585	424.2
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	7.656	7.648	(1.000)	193322	20.0000	
9 1,4-Dichlorobenzene	146	7.683	7.674	(1.003)	204510	14.0653	279.4
$ 10 1,2-Dichlorobenzene-d4	152	7.950	7.942	(1.038)	121138	14.0158	278.4
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	8.393	8.390	(1.096)	173574	14.3603	285.2
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.564	8.561	(0.885)	241637	13.9843	277.8
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.318	9.427	(0.963)	39181	3.98625	79.18(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	9.617	9.619	(0.994)	160151	15.2132	302.2
*	27 Naphthalene-d8	136	9.675	9.672	(1.000)	702105	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	10.648	10.645	(1.100)	278174	23.7441	471.6
	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	11.470	11.473	(0.914)	376160	14.6918	291.8
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.544	12.546	(1.000)	397577	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.592	12.595	(1.004)	374075	16.5145	328.0
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	12.806	12.814	(1.021)	82854	24.1648	480.0(M)
	48 2,4-Dinitrotoluene	165	12.934	12.936	(1.031)	120444	17.4698	347.0
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.415	13.417	(1.069)	17018	0.67660 LOQ	13.44
	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	13.837	13.839	(1.103)	72481	25.8480	513.4(M)
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	14.740	14.742	(0.987)	93230	28.3451	563.0
*	59 Phenanthrene-d10	188	14.927	14.929	(1.000)	573118	20.0000	
	60 Phenanthrene	178	14.964	14.966	(1.002)	189639	5.31139	105.5
	61 Anthracene	178	15.034	15.041	(1.007)	31834	0.92913 LOQ	18.45
	62 Carbazole	167	15.317	15.319	(1.026)	25467	0.76417 ↓	15.18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.043	16.040	(1.075)	71589	1.82398	36.23
64 Fluoranthene	202	16.914	16.916	(1.133)	424788	12.5601	249.5
65 Pyrene	202	17.272	17.269	(0.897)	970261	26.2138	520.7
$ 66 Terphenyl-d14	244	17.587	17.584	(0.913)	385996	17.1765	341.2
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.238	19.235	(0.999)	231674	8.05635	160.0
* 69 Chrysene-d12	240	19.265	19.262	(1.000)	434923	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.302	19.304	(1.002)	278464	9.61213	190.9
72 bis(2-Ethylhexyl)phthalate	149	Compound Not Detected.					
* 134 Di-n-octylphthalate-d4	153	20.408	20.405	(1.000)	942706	20.0000	
73 Di-n-octylphthalate	149	20.413	20.415	(1.000)	627208	15.1810	301.5
74 Benzo(b)fluoranthene	252	20.899	20.902	(0.975)	363556	11.4436	227.3
75 Benzo(k)fluoranthene	252	20.926	20.934	(0.976)	265391	6.98430	138.7(M)
76 Benzo(a)pyrene	252	21.348	21.350	(0.996)	224286	7.75422	154.0
* 77 Perylene-d12	264	21.433	21.425	(1.000)	510775	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.972	22.980	(1.072)	290479	8.01560	159.2
79 Dibenzo(a,h)anthracene	278	22.993	23.006	(1.073)	58532	1.94896	38.71(M)
80 Benzo(g,h,i)perylene	276	23.415	23.418	(1.092)	760533	22.7167	451.2
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36dms.d
Lab Smp Id: JQ36DMS
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-S3-07-E MS
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	193322	21.96
27 Naphthalene-d8	584278	292139	1168556	702105	20.17
42 Acenaphthene-d10	318444	159222	636888	397577	24.85
59 Phenanthrene-d10	463777	231888	927554	573118	23.58
69 Chrysene-d12	336614	168307	673228	434923	29.21
134 Di-n-octylphthala	762795	381398	1525590	942706	23.59
77 Perylene-d12	420407	210204	840814	510775	21.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.66	0.11
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.03
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	0.02
134 Di-n-octylphthala	20.40	19.90	20.90	20.41	0.02
77 Perylene-d12	21.43	20.93	21.93	21.43	0.04

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36DMS
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDAMS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

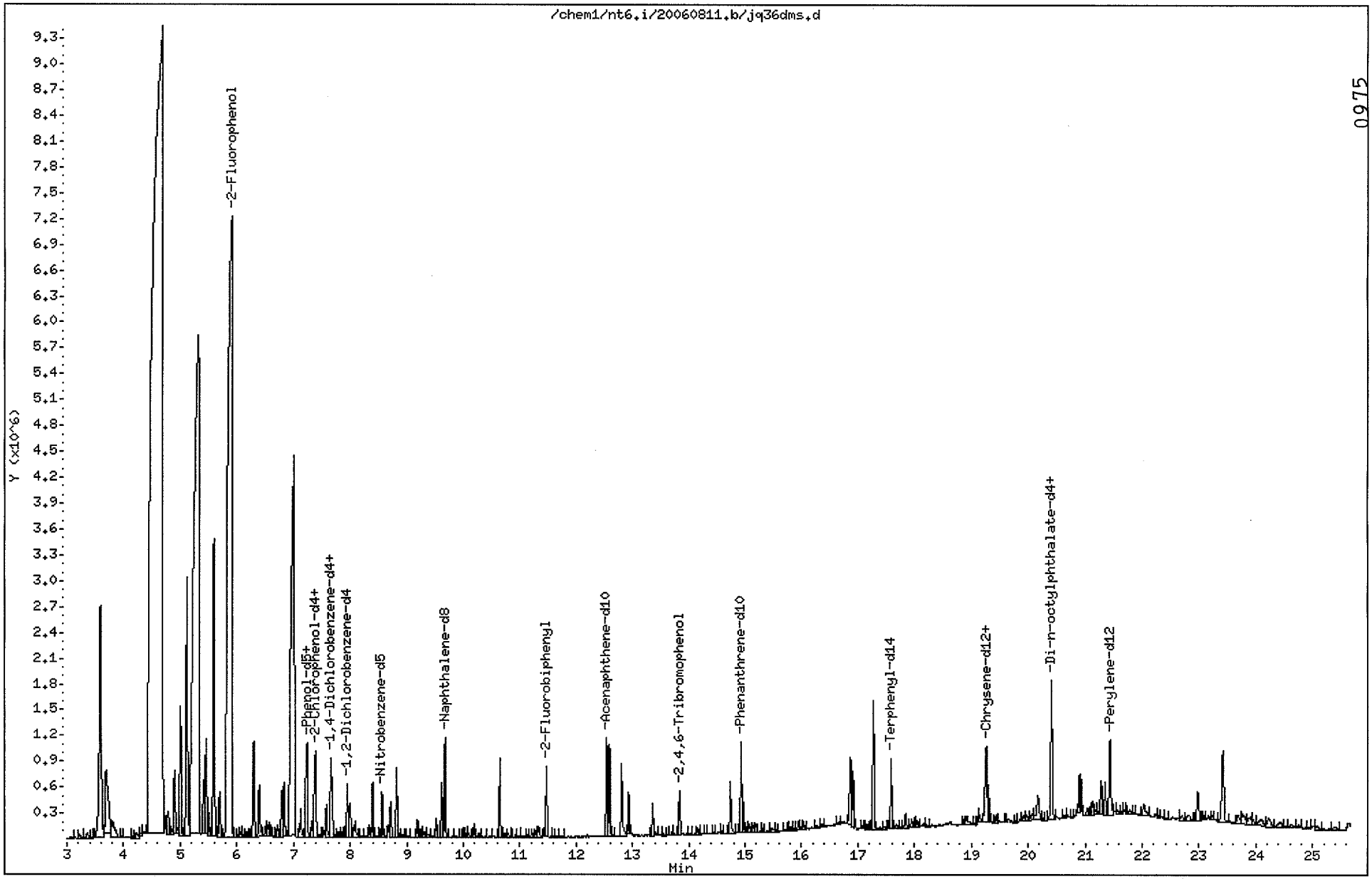
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-E MS
Operator: LJR
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3 Phenol	744.8	396.7	53.26	32-121
6 2-Chlorophenol	744.8	424.2	56.96	39-111
9 1,4-Dichlorobenzen	496.6	279.4	56.26	34-88
16 N-Nitroso-di-n-pro	496.6	285.2	57.44	24-100
26 1,2,4-Trichloroben	496.6	302.2	60.85	41-91
31 4-Chloro-3-methylp	744.8	471.6	63.32	48-110
44 Acenaphthene	496.6	328.0	66.06	48-108
47 4-Nitrophenol	744.8	480.0	64.44	27-155
48 2,4-Dinitrotoluene	496.6	347.0	69.88	30-124
58 Pentachlorophenol	744.8	563.0	75.59	28-151
65 Pyrene	496.6	520.7	104.86	10-153

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	744.8	212.7	28.56	22-91
$ 2 Phenol-d5	744.8	439.0	58.94	26-99
$ 5 2-Chlorophenol-d4	744.8	421.1	56.54	29-96
$ 10 1,2-Dichlorobenzen	496.6	278.4	56.06	24-87
$ 18 Nitrobenzene-d5	496.6	277.8	55.94	27-101
$ 36 2-Fluorobiphenyl	496.6	291.8	58.77	30-100
$ 55 2,4,6-Tribromophen	744.8	513.4	68.93	20-114
$ 66 Terphenyl-d14	496.6	341.2	68.71	12-120

Data File: /chem1/nt6.i/20060811.b/jq36dms.d
Date : 11-AUG-2006 16:14
Client ID: T4-S3-07-E MS
Sample Info: JQ36DMS
Volume Injected (uL): 1.0
Column phase: ZB-5

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



0975

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 1

Sample ID: T4-S3-07-E
MATRIX SPIKE DUPLICATE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/14/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted: 08/03/06
Date Analyzed: 08/11/06 16:47
Instrument/Analyst: NT6/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 17.6%
pH: 6.7

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**	**42 B**
85-68-7	Butylbenzylphthalate	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**13 J**
117-84-0	Di-n-Octyl phthalate	20	---

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery	
d14-p-Terphenyl	71.2%

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36dmd.d
Lab Smp Id: JQ36DMSD
Client Smp ID: T4-S3-07-E MSD
Inj Date : 11-AUG-2006 16:47
Operator : LJR
Inst ID: nt6.i
Smp Info : JQ36DMSD
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
LJR 8/12/06
Meth Date : 12-Aug-2006 09:50 jeff
Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21
Cal File: 0400810.d
Als bottle: 14
QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: PSDDA.sub
Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	1000.00000	Volume of final extract (uL)
Ws	61.40000	Weight of sample extracted (g)
M	17.60000	% Moisture

Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.818	5.735	(0.760)	220730	14.7401	291.3
$ 2 Phenol-d5	99	7.218	7.199	(0.943)	377542	21.7240	429.4
3 Phenol	94	7.239	7.220	(0.946)	393517	19.3038	381.5
$ 5 2-Chlorophenol-d4	132	7.368	7.349	(0.962)	299456	21.2270	419.6
4 Bis(2-Chloroethyl)ether	93	Compound Not Detected.					
6 2-Chlorophenol	128	7.389	7.370	(0.965)	285565	21.2540	420.1
7 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152	7.656	7.648	(1.000)	193448	20.0000	
9 1,4-Dichlorobenzene	146	7.683	7.674	(1.003)	202167	13.8951	274.6
$ 10 1,2-Dichlorobenzene-d4	152	7.950	7.942	(1.038)	122042	14.1112	278.9
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	8.393	8.390	(1.096)	165854	13.7127	271.0
	15 4-Methylphenol	108	Compound Not Detected.					
$	18 Nitrobenzene-d5	82	8.564	8.561	(0.885)	242398	14.1005	278.7
	19 Nitrobenzene	77	Compound Not Detected.					
	20 Isophorone	82	Compound Not Detected.					
	21 2-Nitrophenol	139	Compound Not Detected.					
	22 2,4-Dimethylphenol	107	Compound Not Detected.					
	23 Bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
	24 Benzoic acid	105	9.307	9.427	(0.962)	29668	3.03393	59.97(M)
	25 2,4-Dichlorophenol	162	Compound Not Detected.					
	26 1,2,4-Trichlorobenzene	180	9.617	9.619	(0.994)	157129	15.0029	296.5
*	27 Naphthalene-d8	136	9.675	9.672	(1.000)	698512	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	10.648	10.645	(1.100)	275260	23.6163	466.8
	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	11.470	11.473	(0.914)	374743	14.8208	292.9
	37 2-Chloronaphthalene	162	Compound Not Detected.					
	38 2-Nitroaniline	65	Compound Not Detected.					
	39 Dimethylphthalate	163	Compound Not Detected.					
	40 Acenaphthylene	152	Compound Not Detected.					
	41 2,6-Dinitrotoluene	165	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.544	12.546	(1.000)	392633	20.0000	
	43 3-Nitroaniline	138	Compound Not Detected.					
	44 Acenaphthene	153	12.592	12.595	(1.004)	372578	16.6555	329.2
	45 2,4-Dinitrophenol	184	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	47 4-Nitrophenol	109	12.806	12.814	(1.021)	85356	25.2080	498.2(M)
	48 2,4-Dinitrotoluene	165	12.934	12.936	(1.031)	120954	17.7647	351.1
	50 Diethylphthalate	149	Compound Not Detected.					
	49 Fluorene	166	13.415	13.417	(1.069)	20504	0.82546 LDL	16.32
	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	13.837	13.839	(1.103)	75882	27.4016	541.6
	56 4-Bromophenyl-phenylether	248	Compound Not Detected.					
	57 Hexachlorobenzene	284	Compound Not Detected.					
	58 Pentachlorophenol	266	14.740	14.742	(0.987)	98213	30.8661	610.1
*	59 Phenanthrene-d10	188	14.927	14.929	(1.000)	554439	20.0000	
	60 Phenanthrene	178	14.964	14.966	(1.002)	219032	6.38165	126.1
	61 Anthracene	178	15.034	15.041	(1.007)	37974	1.14567	22.64
	62 Carbazole	167	15.317	15.319	(1.026)	29659	0.92057 LDL	18.20(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
63 Di-n-butylphthalate	149	16.043	16.040	(1.075)	79976	2.10632	41.63
64 Fluoranthene	202	16.914	16.916	(1.133)	415560	12.7013	251.0
65 Pyrene	202	17.272	17.269	(0.897)	957382	26.9623	532.9
$ 66 Terphenyl-d14	244	17.587	17.584	(0.913)	384663	17.8434	352.7
67 Butylbenzylphthalate	149	Compound Not Detected.					
68 Benzo(a)anthracene	228	19.238	19.235	(0.999)	240877	8.73178	172.6
* 69 Chrysene-d12	240	19.259	19.262	(1.000)	417221	20.0000	
70 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
71 Chrysene	228	19.302	19.304	(1.002)	269959	9.71393	192.0
72 bis(2-Ethylhexyl)phthalate	149	19.468	19.470	(0.954)	15973	0.67373 LDL	13.32(M)
* 134 Di-n-octylphthalate-d4	153	20.402	20.405	(1.000)	908189	20.0000	
73 Di-n-octylphthalate	149	20.413	20.415	(1.001)	641301	16.1120	318.5
74 Benzo(b)fluoranthene	252	20.899	20.902	(0.975)	378317	12.4413	245.9
75 Benzo(k)fluoranthene	252	20.921	20.934	(0.976)	273042	7.57538	149.7(M)
76 Benzo(a)pyrene	252	21.348	21.350	(0.996)	281437	10.1657	200.9
* 77 Perylene-d12	264	21.433	21.425	(1.000)	488890	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.977	22.980	(1.072)	290890	8.38627	165.8
79 Dibenzo(a,h)anthracene	278	22.993	23.006	(1.073)	61621	2.14366	42.37(M)
80 Benzo(g,h,i)perylene	276	23.421	23.418	(1.093)	799668	24.9549	493.2
90 N-Nitrosodimethylamine	74	Compound Not Detected.					
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	Compound Not Detected.					
103 Pyridine	79	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
111 Azobenzene (1,2-DP-Hydrazine)	77	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: jq36dmd.d
Lab Smp Id: JQ36DMSD
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: T4-S3-07-E MSD
Level: LOW
Sample Type: Sediment

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	193448	22.04
27 Naphthalene-d8	584278	292139	1168556	698512	19.55
42 Acenaphthene-d10	318444	159222	636888	392633	23.30
59 Phenanthrene-d10	463777	231888	927554	554439	19.55
69 Chrysene-d12	336614	168307	673228	417221	23.95
134 Di-n-octylphthala	762795	381398	1525590	908189	19.06
77 Perylene-d12	420407	210204	840814	488890	16.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.66	0.11
27 Naphthalene-d8	9.67	9.17	10.17	9.68	0.03
42 Acenaphthene-d10	12.55	12.05	13.05	12.54	-0.02
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	-0.02
69 Chrysene-d12	19.26	18.76	19.76	19.26	-0.01
134 Di-n-octylphthala	20.40	19.90	20.90	20.40	-0.01
77 Perylene-d12	21.43	20.93	21.93	21.43	0.04

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36DMSD
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDAMS.spk
Sublist File: PSDDA.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

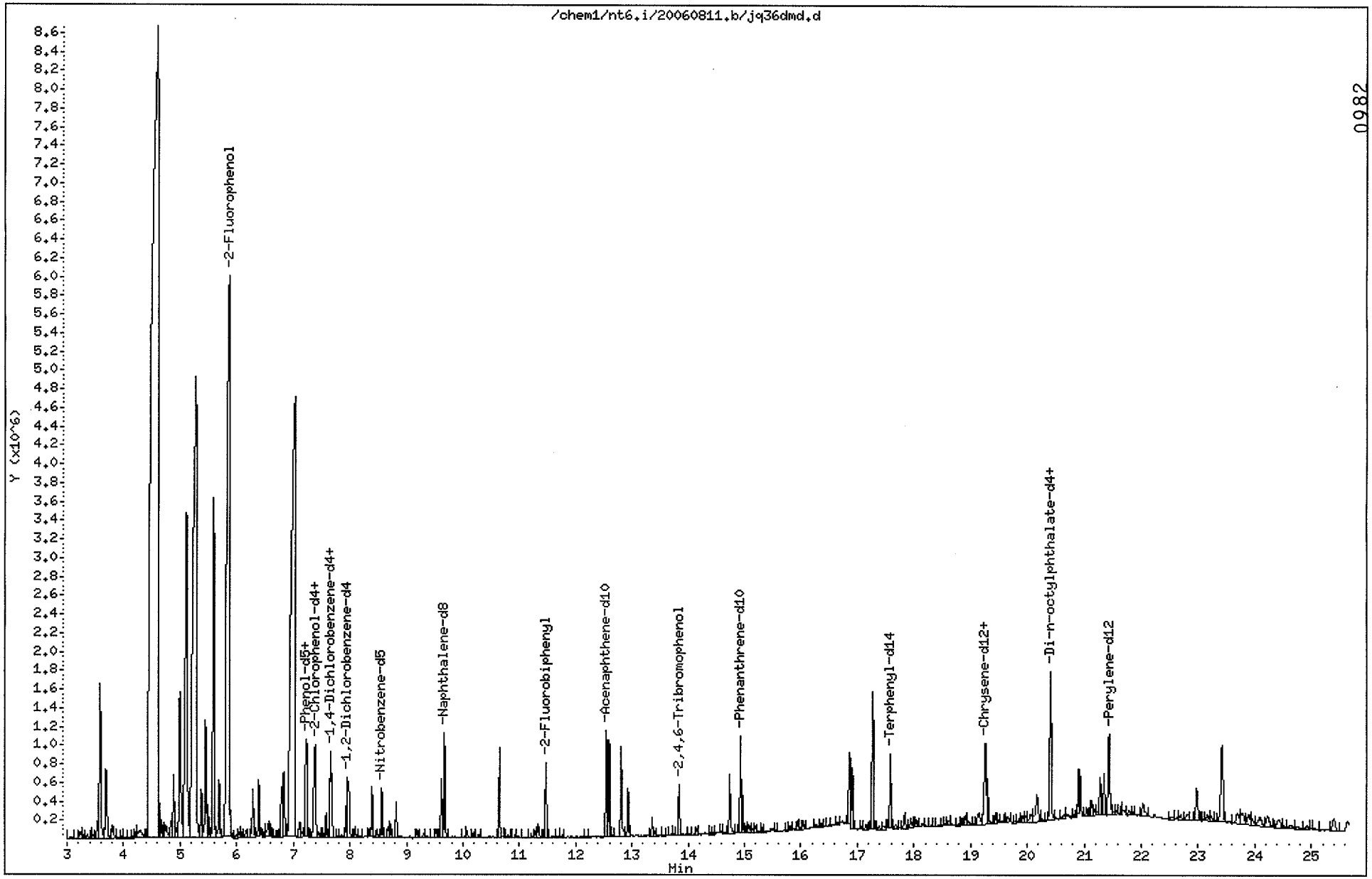
Client SDG: JQ36
Fraction: SV
Client Smp ID: T4-S3-07-E MSD
Operator: LJR
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3 Phenol	741.2	381.5	51.48	32-121
6 2-Chlorophenol	741.2	420.1	56.68	39-111
9 1,4-Dichlorobenzen	494.1	274.6	55.58	34-88
16 N-Nitroso-di-n-pro	494.1	271.0	54.85	24-100
26 1,2,4-Trichloroben	494.1	296.5	60.01	41-91
31 4-Chloro-3-methylp	741.2	466.8	62.98	48-110
44 Acenaphthene	494.1	329.2	66.62	48-108
47 4-Nitrophenol	741.2	498.2	67.22	27-155
48 2,4-Dinitrotoluene	494.1	351.1	71.06	30-124
58 Pentachlorophenol	741.2	610.1	82.31	28-151
65 Pyrene	494.1	532.9	107.85	10-153

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	741.2	291.3	39.31	22-91
$ 2 Phenol-d5	741.2	429.4	57.93	26-99
$ 5 2-Chlorophenol-d4	741.2	419.6	56.61	29-96
$ 10 1,2-Dichlorobenzen	494.1	278.9	56.44	24-87
$ 18 Nitrobenzene-d5	494.1	278.7	56.40	27-101
$ 36 2-Fluorobiphenyl	494.1	292.9	59.28	30-100
$ 55 2,4,6-Tribromophen	741.2	541.6	73.07	20-114
$ 66 Terphenyl-d14	494.1	352.7	71.37	12-120

Data File: /chem1/nt6.i/20060811.b/jq36dmd.d
Date : 11-AUG-2006 16:47
Client ID: T4-S3-07-E MSD
Sample Info: JQ36DMSD
Volume Injected (uL): 1.0
Column phase: ZB-5

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



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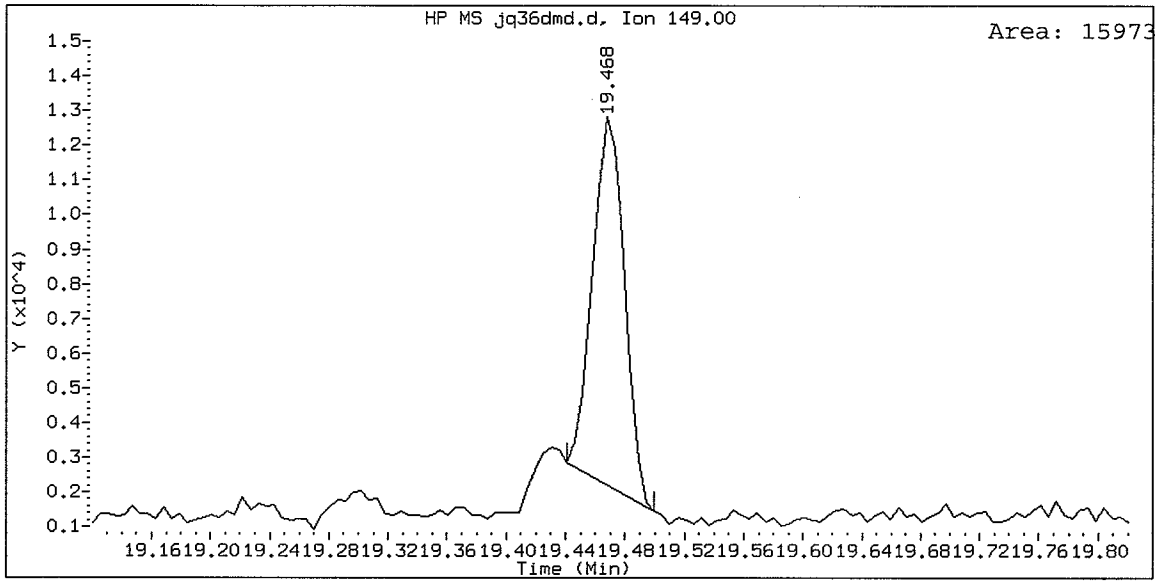
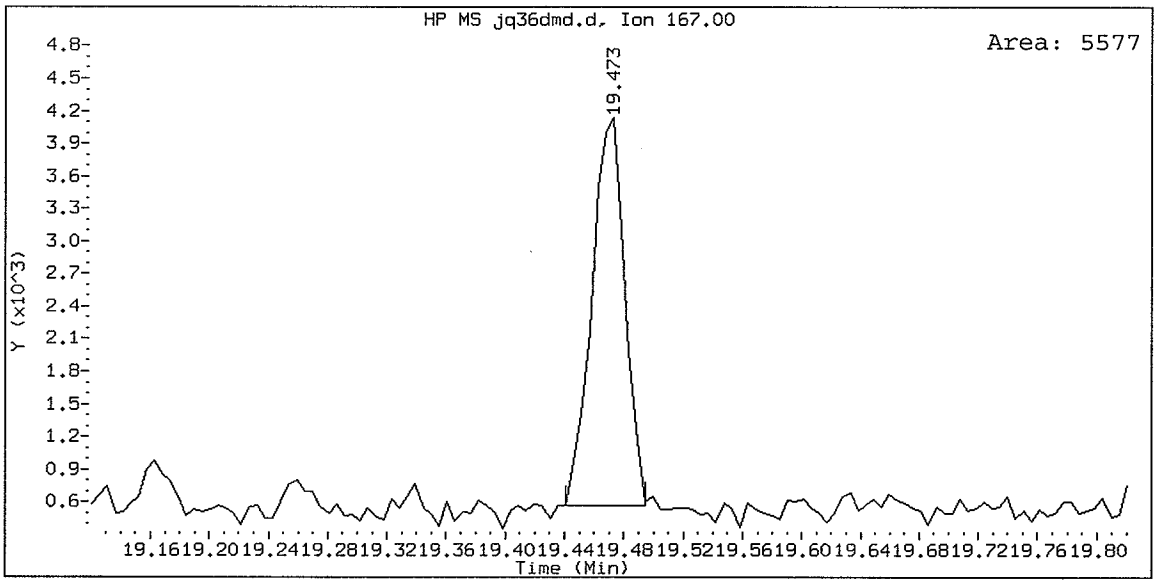
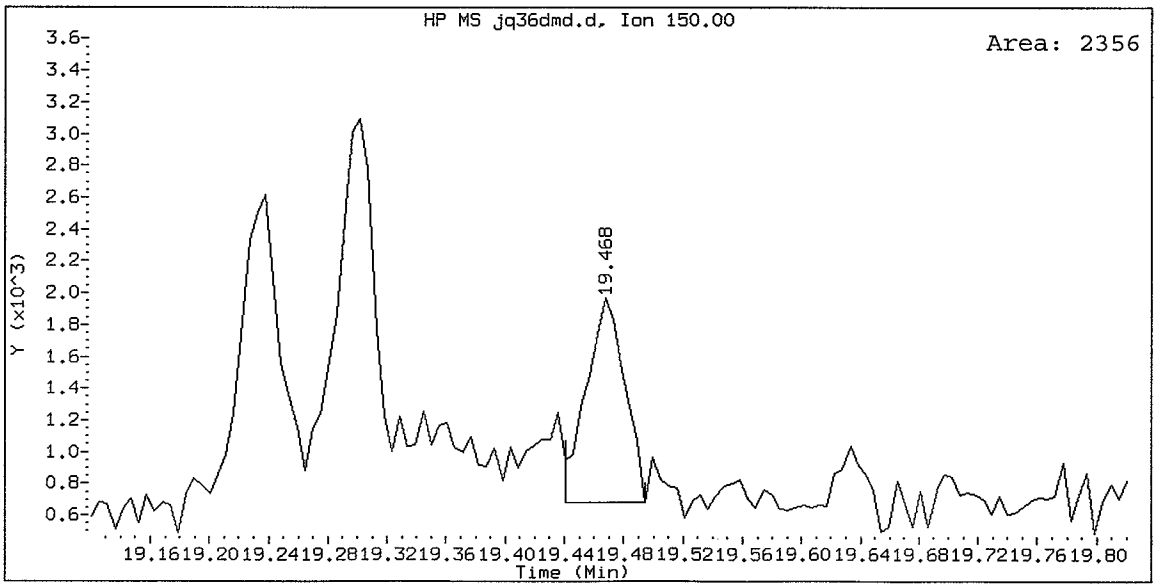
JQ36DMSD, /chem1/nt6.i/20060811.b/jq36dmd.d
bis(2-Ethylhexyl)phthalate Amount: 0.67

J







Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20060811.b/jq36sb.d
Lab Smp Id: JQ36LCSS1 Client Smp ID: JQ36LCSS1
Inj Date : 11-AUG-2006 13:28
Operator : LJR Inst ID: nt6.i
Smp Info : JQ36LCSS1
Misc Info : 06-12975
Comment : 1ul Injection
Method : /chem1/nt6.i/20060811.b/SW846.m
Meth Date : 12-Aug-2006 09:50 jeff Quant Type: ISTD
Cal Date : 10-AUG-2006 17:21 Cal File: 0400810.d
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: PSDDAMBLCS.sub
Target Version: 3.50

LJR 8/12/06

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)	FINAL (ug/kg)
$ 1 2-Fluorophenol	112	5.767	5.735	(0.754)	283200	21.2382	424.8
$ 2 Phenol-d5	99	7.209	7.199	(0.942)	362698	23.4372	468.7
3 Phenol	94	7.231	7.220	(0.945)	327009	18.0145	360.3
$ 5 2-Chlorophenol-d4	132	7.354	7.349	(0.961)	274517	21.8530	437.1
4 Bis(2-Chloroethyl)ether	93	7.327	7.322	(0.957)	224871	16.6390	332.8
6 2-Chlorophenol	128	7.380	7.370	(0.964)	197186	16.4815	329.6
7 1,3-Dichlorobenzene	146	7.594	7.589	(0.992)	201674	15.6478	313.0
* 8 1,4-Dichlorobenzene-d4	152	7.653	7.648	(1.000)	172258	20.0000	
9 1,4-Dichlorobenzene	146	7.674	7.674	(1.003)	202801	15.6534	313.1
$ 10 1,2-Dichlorobenzene-d4	152	7.941	7.942	(1.038)	101504	13.1802	263.6
12 1,2-Dichlorobenzene	146	7.963	7.963	(1.040)	191660	15.8626	317.3
11 Benzyl alcohol	108	7.920	7.915	(1.035)	159583	17.6447	352.9
14 2,2'-oxybis(1-Chloropropane)	45	8.182	8.182	(1.069)	332563	16.5086	330.2
13 2-Methylphenol	108	8.144	8.139	(1.064)	210074	17.5511	351.0
17 Hexachloroethane	117	8.449	8.444	(1.104)	84466	16.0664	321.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	16 N-Nitroso-di-n-propylamine	70	8.395	8.390	(1.097)	169293	15.7188	314.4
	15 4-Methylphenol	108	8.379	8.369	(1.095)	437697	35.7057	714.1
$	18 Nitrobenzene-d5	82	8.561	8.561	(0.885)	228379	14.5328	290.7
	19 Nitrobenzene	77	8.593	8.593	(0.888)	257730	17.2023	344.0
	20 Isophorone	82	8.972	8.967	(0.928)	507562	19.1241	382.5
	21 2-Nitrophenol	139	9.106	9.106	(0.941)	108691	17.9327	358.7
	22 2,4-Dimethylphenol	107	9.207	9.208	(0.952)	158967	12.4493	249.0
	23 Bis(2-Chloroethoxy)methane	93	9.362	9.363	(0.968)	281108	17.4366	348.7
	24 Benzoic acid	105	9.378	9.427	(0.970)	196113	21.9388	438.8(M)
	25 2,4-Dichlorophenol	162	9.480	9.480	(0.980)	166175	18.8378	376.8
	26 1,2,4-Trichlorobenzene	180	9.619	9.619	(0.994)	160060	16.7183	334.4
*	27 Naphthalene-d8	136	9.672	9.672	(1.000)	638535	20.0000	
	28 Naphthalene	128	9.704	9.704	(1.003)	569453	17.4470	348.9
	29 4-Chloroaniline	127	9.843	9.843	(1.018)	243666	17.0828	341.7
	30 Hexachlorobutadiene	225	10.025	10.025	(1.036)	72155	15.6717	313.4
	31 4-Chloro-3-methylphenol	107	10.650	10.645	(1.101)	223903	21.0144	420.3
	32 2-Methylnaphthalene	141	10.826	10.826	(1.119)	325167	18.4395	368.8
	33 Hexachlorocyclopentadiene	237	11.211	11.211	(0.894)	54591	15.0413	300.8
	34 2,4,6-Trichlorophenol	196	11.339	11.339	(0.904)	115776	20.1424	402.8
	35 2,4,5-Trichlorophenol	196	11.392	11.393	(0.908)	134364	21.7381	434.8
$	36 2-Fluorobiphenyl	172	11.472	11.473	(0.914)	337804	15.0975	301.9
	37 2-Chloronaphthalene	162	11.606	11.606	(0.925)	368201	18.6982	374.0
	38 2-Nitroaniline	65	11.841	11.836	(0.944)	172022	22.1247	442.5
	39 Dimethylphthalate	163	12.220	12.215	(0.974)	453945	21.3807	427.6
	40 Acenaphthylene	152	12.290	12.290	(0.980)	601124	18.9576	379.2
	41 2,6-Dinitrotoluene	165	12.311	12.311	(0.981)	108740	23.5284	470.6
*	42 Acenaphthene-d10	164	12.546	12.546	(1.000)	347444	20.0000	
	43 3-Nitroaniline	138	12.519	12.514	(0.998)	227843	38.5759	771.5
	44 Acenaphthene	153	12.600	12.595	(1.004)	382702	19.3332	386.7
	45 2,4-Dinitrophenol	184	12.685	12.685	(1.011)	20052	21.8754	437.5
	46 Dibenzofuran	168	12.856	12.856	(1.025)	547891	20.7807	415.6
	47 4-Nitrophenol	109	12.813	12.814	(1.021)	75354	25.1485	503.0(M)
	48 2,4-Dinitrotoluene	165	12.941	12.936	(1.032)	147679	24.5108	490.2
	50 Diethylphthalate	149	13.380	13.380	(1.066)	497163	22.9833	459.7
	49 Fluorene	166	13.417	13.417	(1.069)	459098	20.8864	417.7
	51 4-Chlorophenyl-phenylether	204	13.444	13.444	(1.072)	199902	20.4994	410.0
	52 4-Nitroaniline	138	13.513	13.513	(1.077)	104763	18.2011	364.0
	53 4,6-Dinitro-2-methylphenol	198	13.593	13.594	(0.911)	37652	18.3077	366.2
	54 N-Nitrosodiphenylamine	169	13.647	13.647	(0.914)	335903	30.9822	619.6
$	55 2,4,6-Tribromophenol	330	13.839	13.839	(1.103)	69107	28.2007	564.0
	56 4-Bromophenyl-phenylether	248	14.229	14.229	(0.953)	111043	21.6976	434.0
	57 Hexachlorobenzene	284	14.448	14.448	(0.968)	118645	21.1681	423.4
	58 Pentachlorophenol	266	14.742	14.742	(0.987)	76557	25.6403	512.8(M)
*	59 Phenanthrene-d10	188	14.929	14.929	(1.000)	520270	20.0000	
	60 Phenanthrene	178	14.966	14.966	(1.002)	681274	23.0591	461.2
	61 Anthracene	178	15.036	15.041	(1.007)	638201	20.5190	410.4
	62 Carbazole	167	15.319	15.319	(1.026)	649364	23.4179	468.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
	63 Di-n-butylphthalate	149	16.040	16.040	(1.074)	919687	25.8125	516.3
	64 Fluoranthene	202	16.916	16.916	(1.133)	714697	23.2788	465.6
	65 Pyrene	202	17.269	17.269	(0.896)	730138	22.6443	452.9
$	66 Terphenyl-d14	244	17.584	17.584	(0.913)	384273	19.6292	392.6
	67 Butylbenzylphthalate	149	18.471	18.471	(0.959)	388256	24.3207	486.4
	68 Benzo(a)anthracene	228	19.234	19.235	(0.998)	549759	21.9455	438.9
*	69 Chrysene-d12	240	19.267	19.262	(1.000)	378879	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.245	19.245	(0.999)	248613	28.2455	564.9
	71 Chrysene	228	19.304	19.304	(1.002)	580613	23.0064	460.1
	72 bis(2-Ethylhexyl)phthalate	149	19.470	19.470	(0.954)	498642	22.0726	441.5
*	134 Di-n-octylphthalate-d4	153	20.404	20.405	(1.000)	865388	20.0000	
	73 Di-n-octylphthalate	149	20.415	20.415	(1.001)	739591	19.5004	390.0
	74 Benzo(b)fluoranthene	252	20.901	20.902	(0.975)	664132	24.7611	495.2
	75 Benzo(k)fluoranthene	252	20.933	20.934	(0.977)	647843	24.8192	496.4
	76 Benzo(a)pyrene	252	21.350	21.350	(0.996)	554295	22.6987	454.0
*	77 Perylene-d12	264	21.430	21.425	(1.000)	431226	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.979	22.980	(1.072)	727848	23.7896	475.8
	79 Dibenzo(a,h)anthracene	278	23.006	23.006	(1.074)	621597	24.5156	490.3
	80 Benzo(g,h,i)perylene	276	23.412	23.418	(1.092)	682343	24.1410	482.8
	90 N-Nitrosodimethylamine	74	3.416	3.390	(0.446)	129121	13.9724	279.4
	91 Aniline	93	7.215	7.204	(0.943)	213326	10.4860	209.7
	93 Benzidine	184	Compound Not Detected.					
	103 Pyridine	79	3.422	3.374	(0.447)	89663	5.71153	114.2
	105 1-methylnaphthalene	141	11.002	11.003	(1.138)	326532	18.1849	363.7
	111 Azobenzene (1,2-DP-Hydrazine)	77	13.695	13.695	(1.092)	587680	20.9214	418.4

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: jq36sb.d
Lab Smp Id: JQ36LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: LJR
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Calibration Date: 11-AUG-2006
Calibration Time: 08:30
Client Smp ID: JQ36LCSS1
Level: LOW
Sample Type: Solid

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	158517	79258	317034	172258	8.67
27 Naphthalene-d8	584278	292139	1168556	638535	9.29
42 Acenaphthene-d10	318444	159222	636888	347444	9.11
59 Phenanthrene-d10	463777	231888	927554	520270	12.18
69 Chrysene-d12	336614	168307	673228	378879	12.56
134 Di-n-octylphthala	762795	381398	1525590	865388	13.45
77 Perylene-d12	420407	210204	840814	431226	2.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.65	7.15	8.15	7.65	0.07
27 Naphthalene-d8	9.67	9.17	10.17	9.67	0.00
42 Acenaphthene-d10	12.55	12.05	13.05	12.55	0.00
59 Phenanthrene-d10	14.93	14.43	15.43	14.93	0.00
69 Chrysene-d12	19.26	18.76	19.76	19.27	0.03
134 Di-n-octylphthala	20.40	19.90	20.90	20.40	0.00
77 Perylene-d12	21.43	20.93	21.93	21.43	0.02

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: ANCHOR
Sample Matrix: SOLID
Lab Smp Id: JQ36LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: PSDDALCS.spk
Sublist File: PSDDAMBLCS.sub
Method File: /chem1/nt6.i/20060811.b/SW846.m
Misc Info: 06-12975

Client SDG: JQ36
Fraction: SV
Client Smp ID: JQ36LCSS1
Operator: LJR
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
3 Phenol	500.0	360.3	72.06	42-101
4 Bis(2-Chloroethyl)	500.0	332.8	66.56	55-102
6 2-Chlorophenol	500.0	329.6	65.93	43-99
7 1,3-Dichlorobenzen	500.0	313.0	62.59	53-95
9 1,4-Dichlorobenzen	500.0	313.1	62.61	39-93
11 Benzyl alcohol	500.0	352.9	70.58	19-123
12 1,2-Dichlorobenzen	500.0	317.3	63.45	54-96
13 2-Methylphenol	500.0	351.0	70.20	53-108
14 2,2'-oxybis(1-Chlo	500.0	330.2	66.03	53-103
15 4-Methylphenol	1000	714.1	71.41	54-116
16 N-Nitroso-di-n-pro	500.0	314.4	62.88	31-108
17 Hexachloroethane	500.0	321.3	64.27	52-99
19 Nitrobenzene	500.0	344.0	68.81	58-112
20 Isophorone	500.0	382.5	76.50	59-122
21 2-Nitrophenol	500.0	358.7	71.73	58-112
22 2,4-Dimethylphenol	500.0	249.0	49.80	17-121
23 Bis(2-Chloroethoxy	500.0	348.7	69.75	57-116
24 Benzoic acid	500.0	438.8	87.76	39-143
25 2,4-Dichlorophenol	500.0	376.8	75.35	57-119
26 1,2,4-Trichloroben	500.0	334.4	66.87	40-102
28 Naphthalene	500.0	348.9	69.79	58-106
29 4-Chloroaniline	1200	341.7	28.47	10-57
30 Hexachlorobutadien	500.0	313.4	62.69	56-108
31 4-Chloro-3-methylp	500.0	420.3	84.06	42-121
32 2-Methylnaphthalen	500.0	368.8	73.76	59-111
33 Hexachlorocyclopen	500.0	300.8	60.17	31-122
34 2,4,6-Trichlorophe	500.0	402.8	80.57	58-114
35 2,4,5-Trichlorophe	500.0	434.8	86.95	57-115
37 2-Chloronaphthalen	500.0	374.0	74.79	58-112
38 2-Nitroaniline	500.0	442.5	88.50	36-89
39 Dimethylphthalate	500.0	427.6	85.52	59-126
40 Acenaphthylene	500.0	379.2	75.83	58-114
41 2,6-Dinitrotoluene	500.0	470.6	94.11	58-131

OK

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
43 3-Nitroaniline	1280	771.5	60.27	33-92
44 Acenaphthene	500.0	386.7	77.33	43-108
45 2,4-Dinitrophenol	500.0	437.5	87.50	10-174
46 Dibenzofuran	500.0	415.6	83.12	57-117
47 4-Nitrophenol	500.0	503.0	100.59	34-140
48 2,4-Dinitrotoluene	500.0	490.2	98.04	32-126
49 Fluorene	500.0	417.7	83.55	57-124
50 Diethylphthalate	500.0	459.7	91.93	60-134
51 4-Chlorophenyl-phe	500.0	410.0	82.00	57-125
52 4-Nitroaniline	500.0	364.0	72.80	52-109
53 4,6-Dinitro-2-meth	500.0	366.2	73.23	24-151
54 N-Nitrosodiphenyla	500.0	619.6	123.93	51-131
56 4-Bromophenyl-phen	500.0	434.0	86.79	60-125
57 Hexachlorobenzene	500.0	423.4	OK 84.67	59-122
58 Pentachlorophenol	500.0	512.8	102.56	39-117
60 Phenanthrene	500.0	461.2	92.24	56-129
61 Anthracene	500.0	410.4	82.08	55-116
62 Carbazole	500.0	468.4	93.67	60-131
63 Di-n-butylphthalat	500.0	516.3	103.25	59-144
64 Fluoranthene	500.0	465.6	93.12	55-137
65 Pyrene	500.0	452.9	90.58	39-127
67 Butylbenzylphthala	500.0	486.4	97.28	56-148
68 Benzo(a)anthracene	500.0	438.9	87.78	61-128
70 3,3'-Dichlorobenzi	1280	564.9	44.13	10-75
71 Chrysene	500.0	460.1	92.03	59-129
72 bis(2-Ethylhexyl)p	500.0	441.5	88.29	53-141
73 Di-n-octylphthalat	500.0	390.0	78.00	42-142
74 Benzo(b)fluoranthe	500.0	495.2	99.04	53-146
75 Benzo(k)fluoranthe	500.0	496.4	99.28	50-153
76 Benzo(a)pyrene	500.0	454.0	90.79	54-132
78 Indeno(1,2,3-cd)py	500.0	475.8	95.16	33-169
79 Dibenzo(a,h)anthra	500.0	490.3	98.06	41-162
80 Benzo(g,h,i)peryle	500.0	482.8	96.56	10-179

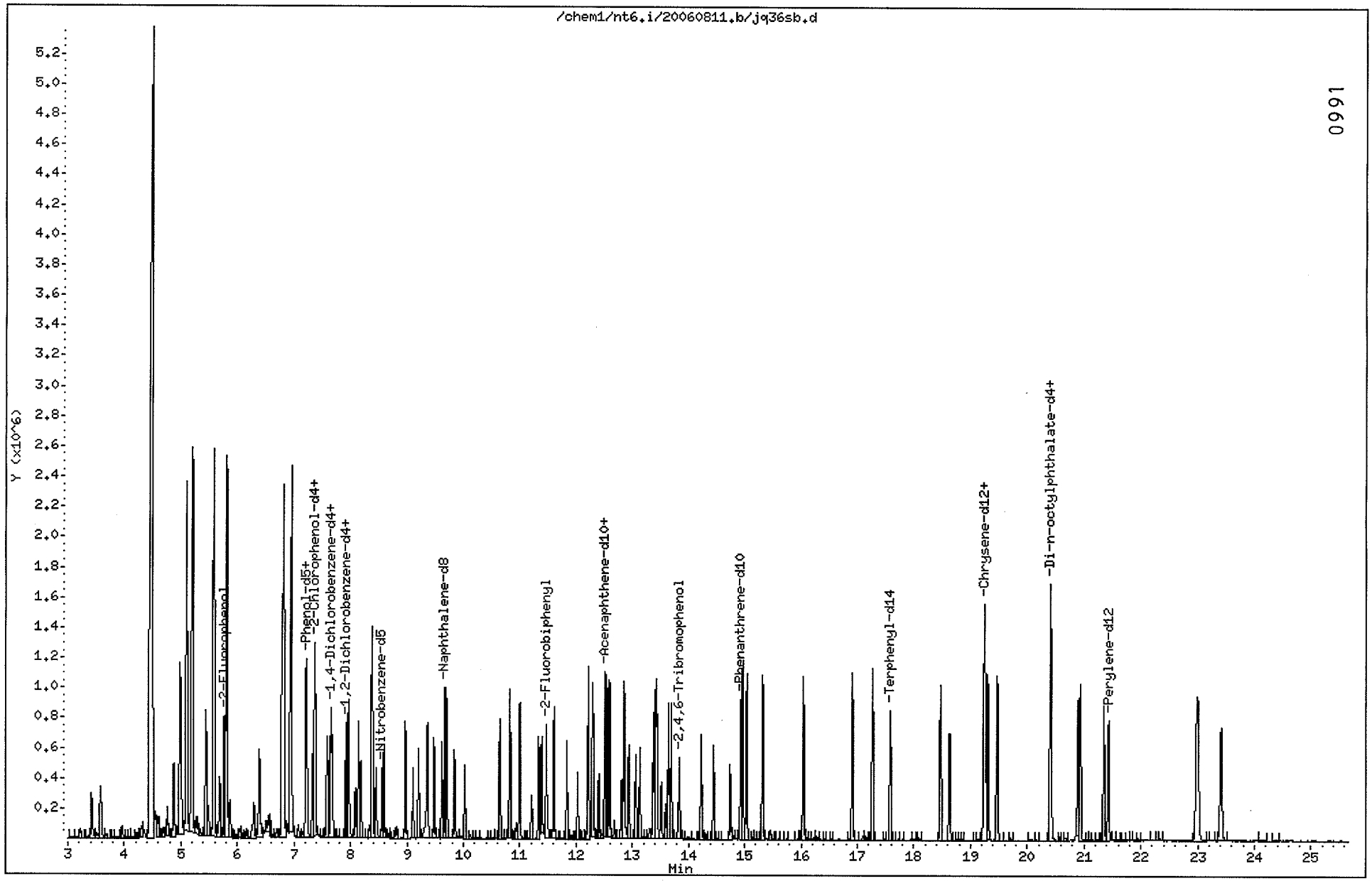
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	750.0	424.8	56.64	42-87
$ 2 Phenol-d5	750.0	468.7	62.50	47-87
$ 5 2-Chlorophenol-d4	750.0	437.1	58.27	47-86
$ 10 1,2-Dichlorobenzen	500.0	263.6	52.72	43-82
$ 18 Nitrobenzene-d5	500.0	290.7	58.13	46-87
$ 36 2-Fluorobiphenyl	500.0	301.9	60.39	46-88
$ 55 2,4,6-Tribromophen	750.0	564.0	75.20	40-97

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 66 Terphenyl-d14	500.0	392.6	78.52	37-114

Data File: /chem1/nt6.i/20060811.b/jq36sb.d
Date : 11-AUG-2006 13:28
Client ID: JQ36LCSS1
Sample Info: JQ36LCSS1
Volume Injected (uL): 1.0
Column phase: ZB-5

Instrument: nt6.i

Operator: LJR
Column diameter: 0.32



0991

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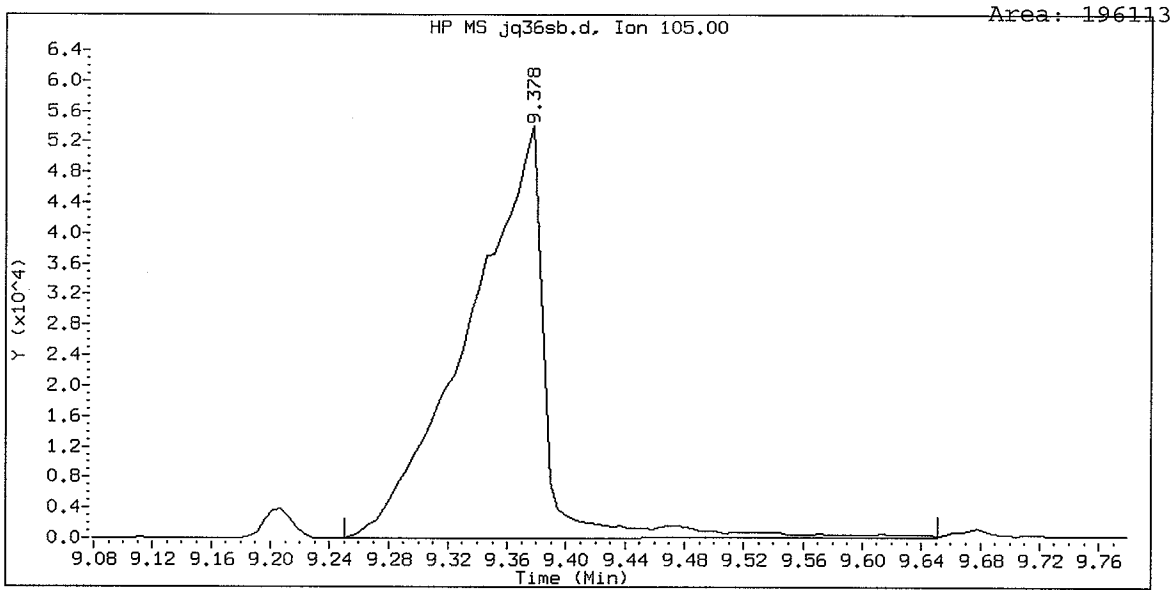
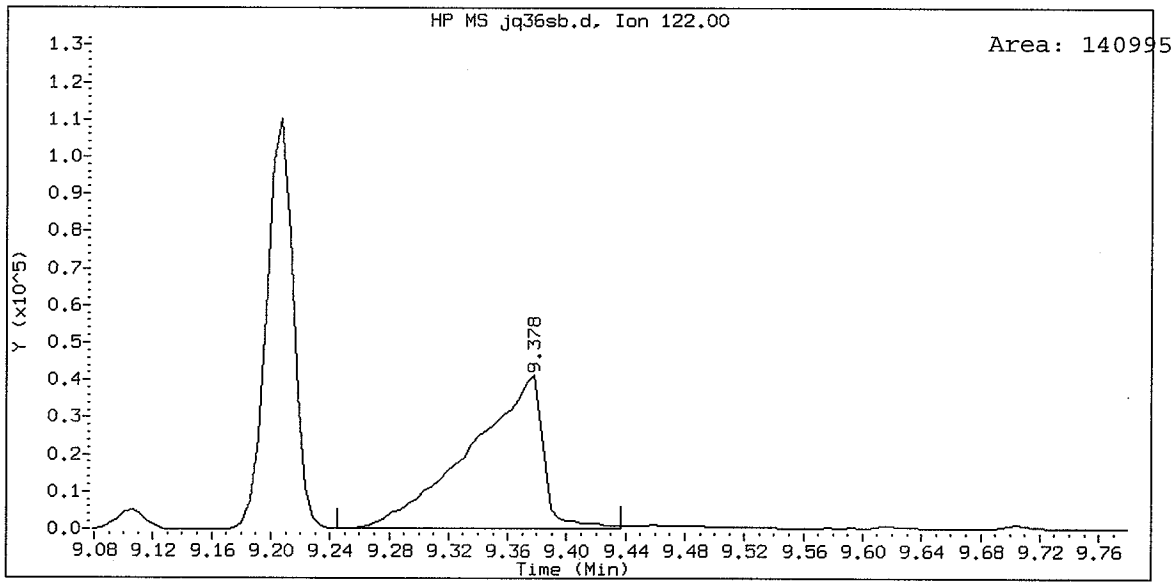
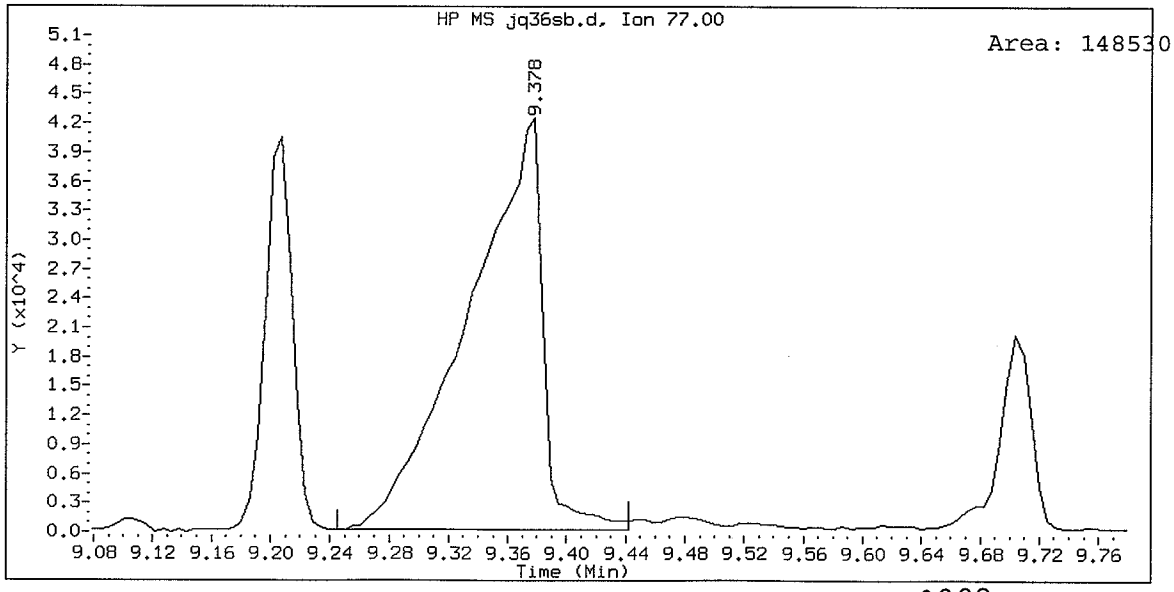
Benzoic acid Amount: 21.94







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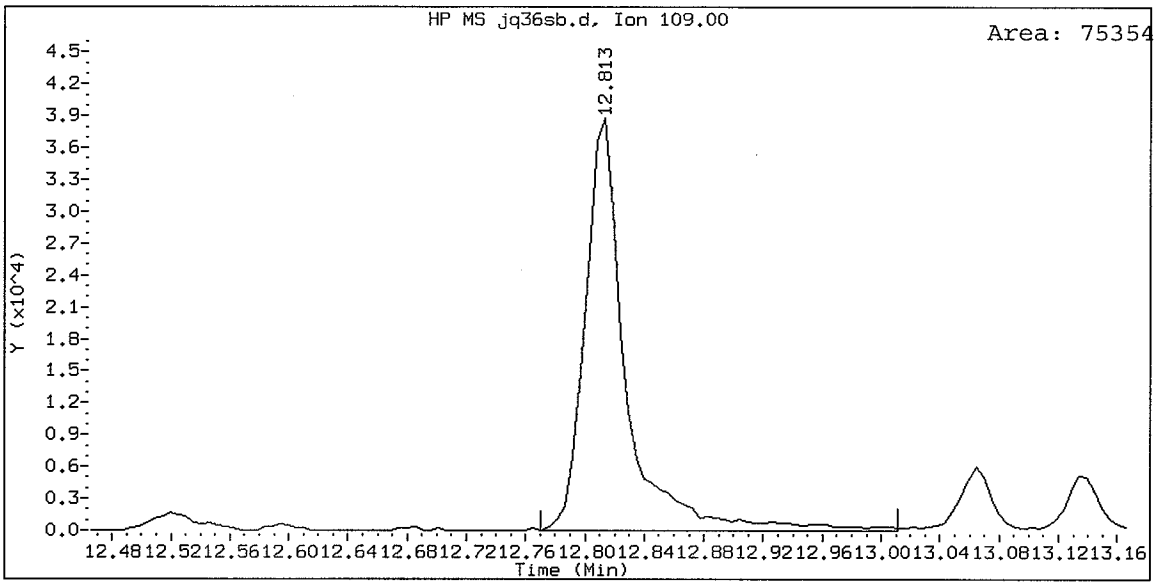
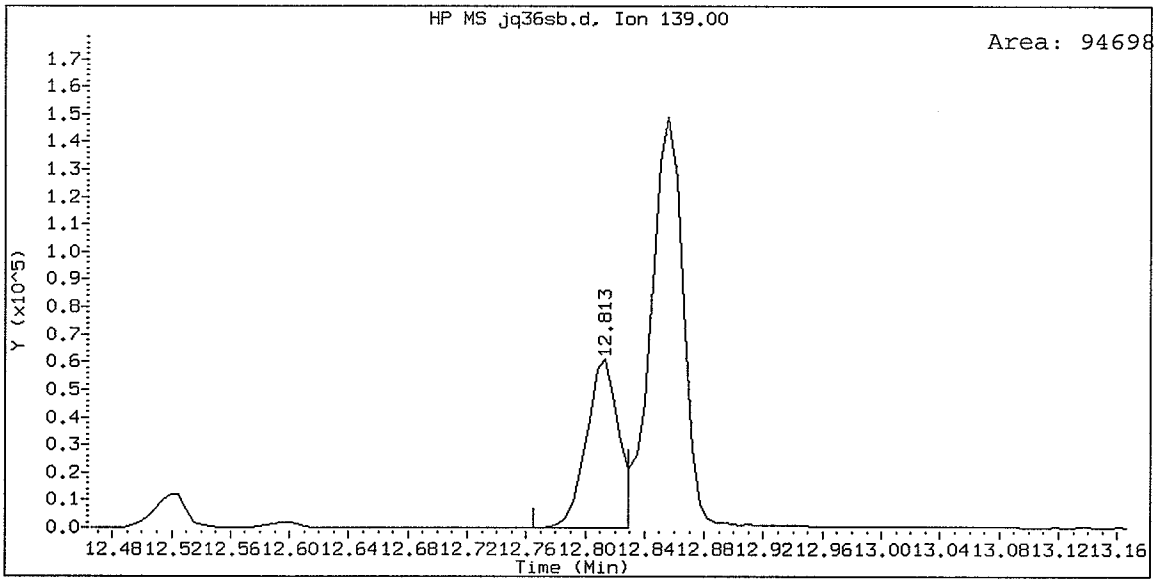
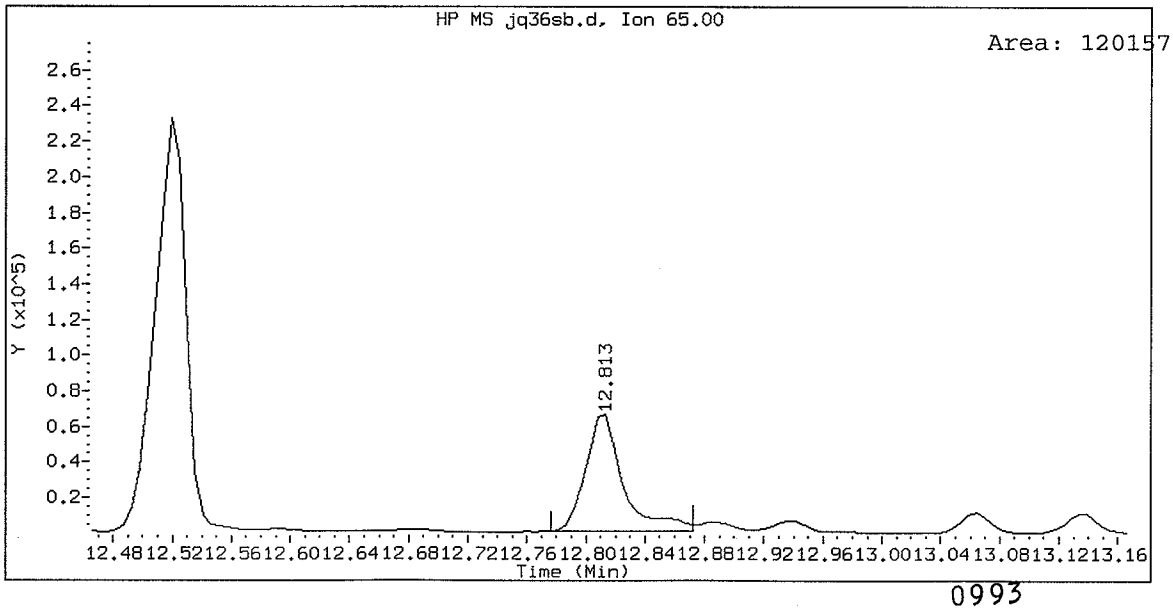
4-Nitrophenol Amount: 25.15







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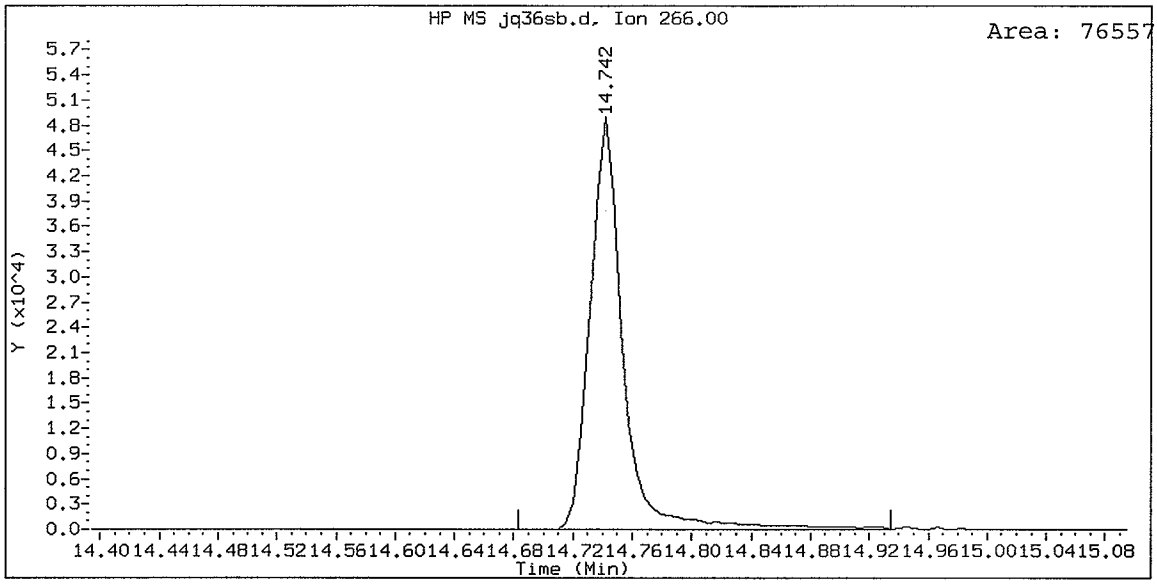
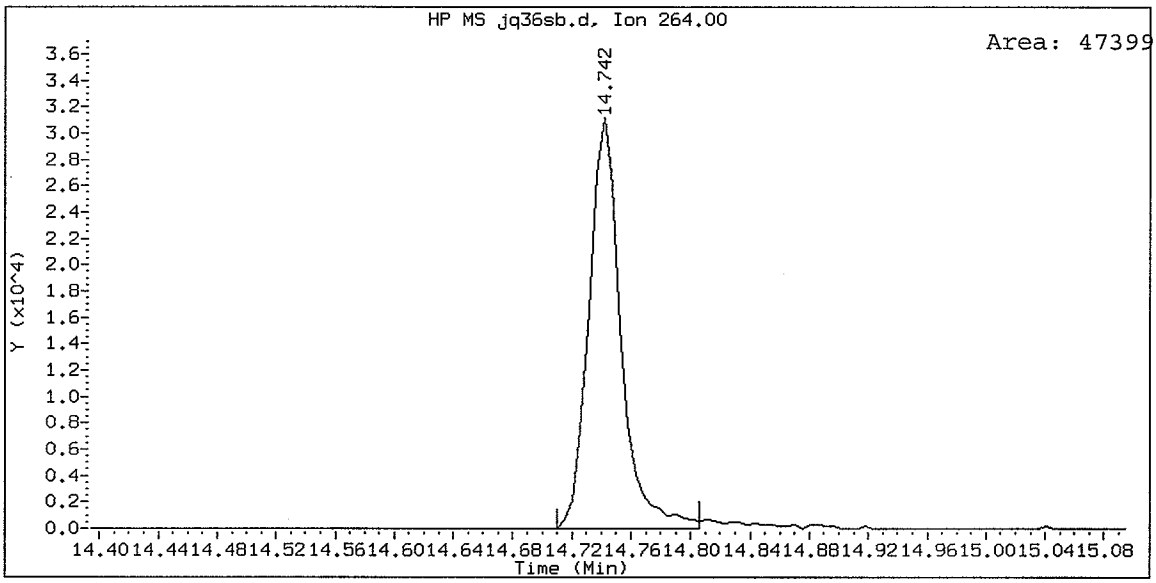
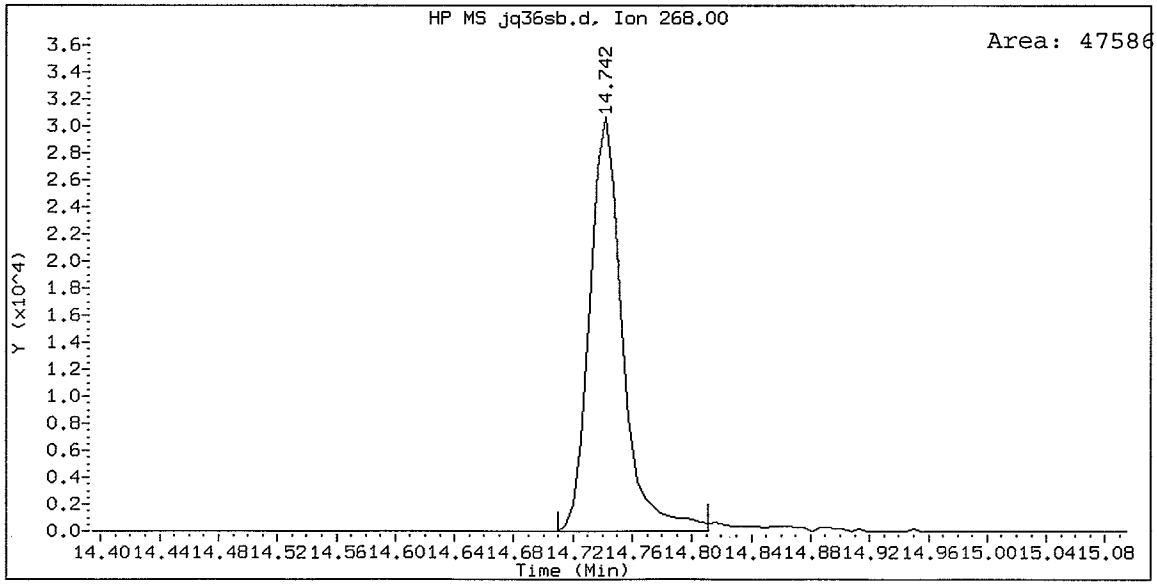
Pentachlorophenol Amount: 25.64







Semivolatile Organics
Extraction Bench Sheets/Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT LIMs # _____
Bid # SV0730B-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): JQ36

Extraction Requirements (ARI Lab ID)	Sample Client ID	Amount Extracted (g)	GPC Aliquot #1/ #2 1:2	Silica-gel Aliquot Y / N	Final Effective Volume 1 mL	Aliquot Volume For Analysis 0.5 mL	Time Extracted 14:00 Comments
MB: JQ36 MB	8/3/06	LW 8/7 ~~25.00~~ 50.00	TH 8/7				
SB: SB		LW ~~25.00~~ 50.00	1:2 SP 8/8/06				
A	checked	94.88	1:2				
B		92.58					
C		76.76					
D		61.62	TH 8/7				
DMS		61.12	1:2 8/8/06 SP				
DMSD		61.36					
E		40.56	1:2 TH 8/7				
F		65.18					
G		50.60					
H		64.88					
I		116.10					
J		85.88					
K		112.88					
L		108.68					
LW/ 8-3	Date/Analyst:				TH 8/7/06	TH 8/9/06	

Surrogate Amount: 250 ul Added by: LW /Spk. Witness TH
Concentration: 100/100 ug/mL ID: 1405-3B

Spike Amount: 250 ul Added by: LW /Spk. Witness TH
BS Concentration: 100 ug/mL ID: 1403-03

Xtra Spike Amount: 250 ul Added by: LW /Spk.Witness TH
Concentration: 100 ug/mL ID: 1405-01

(DCM)solvent ID: I3203
(1:1DCM/Acetone) Reagent ID: F496
(95;5DCM/Hexane) Reagent ID: N/A
Neutral glasswool ID: 4/25/06 #1
0.05% HCL/acetone Reagent ID: F489
Na2So4 ID: 7/26/06 #6
3% Silica gel ID: N/A
95:5Ether/DCM ID:
8:2:9Ether/Meoh/DCM ID:

3009F

0996
12-9-06

Revision 8
7/29/03

2 of 2

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

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

ANALYTICAL RESOURCES INCORPORATED

Client Name: _____

ARI Job No(s): JQ36

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:						

Spike ~~Surrogate~~ Amount: 250 ul Added by: LW /Spk. Witness TH
Concentration: 100 ug/ml ID: 1407-014

Spike Amount: 250 ul Added by: LW /Spk. Witness TH
Concentration: 100 ug/ml ID: 1309-04

Xtra Spike Amount: _____ Added by: _____ /Spk.Witness _____
Concentration: ID: _____

(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: _____

3009F

Revision 8
7/29/03

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ36

Client Name: Anchor Environmental

Parameter: BAN PSDDA

Client Project: T4 Early Action

3745 SOP Number(s)

☐ No Anomalies

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

A-C: Wet, slurry-like Sed
D-Sandy
E- poured off Stand H2O,
H, G, F- Sandy
I- Slurry-like Sed.
J- Same + ~5% organics
K-L: Standing H2O, Slurry-like

TH 7/25/06

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

0998

Rev. 5
2/15/01

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: JQ36 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: 8/10/06 Analysis Start Date: 8/11/06

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
ICal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

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

– Di-n-butyl phthalate in MB. B flagging samples – JRL <RL NOT for MB BKG.

LJK 8/15/06

Additional Details on Reverse: Yes / No

Analyst Signature: [signature] **Date:** 8/15/06

Reviewer's Signature: [signature] **Date:** 8/16/06

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: NT6 Curve Client ID: Various

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: 8/10/06 Analysis Start Date: 8/10/06

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~~
ICal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery in Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Internal Standard Meets Criteria?	YES / NO		

Detail problems, corrective actions and/or other pertinent information below (use reverse side when necessary): 2,4-Dinitrophenol's RSD > 40%. Wouldn't linear fit.

- Quadratic fits for Naphthalene, Phenanthrene, Carbazole, and Benzo(k) fluoranthene. No signs of saturation.

LJK
8/11/06

Additional Details on Reverse: Yes / No

Analyst Signature: [signature] **Date:** 8/11/06

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

Analytical Resources Inc.: Organics Instrument Log
NT-6 Serial No.:GC=US00036167, MS=US81221575

Date: 8/16/06 Analysis: BANs Analyst: LJK

GC Program: ABNIUL Column No: 103:86 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060810 EM Voltage:

Calibration File: 0250810 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	1374-3
	1418-1,2	1375-1,2
	1396-2	
	1401-1	

	Time	Filename	LabID	ClientId	DF															
1	1542	0250810.d	ABN 25		1	7.65	153289	9.67	566754	12.54	308375	14.93	447684	19.26	331290	21.43	403979	20.41	733535	
2	1615	0800810.d	ABN 80		1	7.66	151661	9.68	570983	12.55	303700	14.94	460440	19.28	310351	21.43	414331	20.41	664898	
3	1648	0010810.d	ABN 1		1	7.65	169084	9.67	609664	12.54	332301	14.93	479110	19.26	356280	21.42	402330	20.40	797357	
4	1721	0400810.d	ABN 40		1	7.65	165922	9.68	616735	12.54	333378	14.93	488043	19.27	336761	21.43	400416	20.41	719210	
5	1754	0050810.d	ABN 5		1	7.65	160379	9.67	582950	12.54	318769	14.93	461397	19.26	350618	21.42	404038	20.40	782539	
6	1827	0100810.d	ABN 10		1	7.65	169520	9.67	617059	12.54	331422	14.93	478951	19.26	349798	21.43	403781	20.40	779942	
7	1900	icv0810.d	ABN ICV		1	7.65	161319	9.67	591944	12.54	316712	14.93	447490	19.26	313271	21.43	383014	20.40	704463	

LJK 8/11/06

Maintenance / Comments New column. New split line. Cleaned split arm. Cleaned split seal. Cleaned inlet body. Cleaned MS source + lenses New filaments.

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): 0250810

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: 8/11/06 Analysis: BANS Analyst: LJK

GC Program: ABN1VL Column No: 103186 Column Type: ZB-5

Instrument Tune (.U or .CT.): 060810 EM Voltage: 1541

Calibration File: CC0811 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	
	1418-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF																	
1	0830	cc0811.d	ABN 25	ABN CCAL	1	7.65	158517	9.67	584278	12.55	318444	14.93	463777	19.26	336614	21.43	420407	20.40	762795			
2	0903	jp87mb.d	JP87MBW1	JP87MBW1	1	7.65	162560	9.67	593660	12.54	322915	14.93	470816	19.26	359319	20.40	798454	21.43	415362			
3	0936	jp87sb.d	JP87LCSW1	JP87LCSW1	1	7.65	172373	9.67	641534	12.55	336975	14.93	490731	19.27	340895	20.40	795968	21.43	444676			
4	1009	jp87mb2.d	JP87MBW2	JP87MBW2	1	7.65	171190	9.67	619227	12.54	338706	14.93	485219	19.26	364732	20.40	812305	21.43	422683			
5	1042	jp87sb2.d	JP87LCSW2	JP87LCSW2	1	7.65	169172	9.67	629460	12.55	333165	14.93	496602	19.27	334852	20.41	780665	21.43	430637			
6	1115	jp87w.d	JP87W	ACIDS	1	7.65	178763	9.68	659454	12.54	357443	14.93	504221	19.26	378968	20.40	845368	21.42	441862			
7	1148	jp87y.d	JP87Y	BASE/NEUTRAL	1	7.65	172043	9.67	617474	12.54	339047	14.93	490083	19.26	379245	20.40	840330	21.42	435395			
8	1222	jp87wd1.d	JP87W	ACIDS	5	7.65	172844	9.67	629572	12.54	334367	14.93	472776	19.26	341355	20.40	746122	21.42	391223			
9	1255	jq36mb.d	JQ36MBS1	JQ36MBS1	1	7.65	163704	9.67	603412	12.54	328721	14.93	475282	19.26	348423	20.40	776162	21.43	365941			
10	1328	jq36sb.d	JQ36LCSS1	JQ36LCSS1	1	7.65	172258	9.67	638535	12.55	347444	14.93	520270	19.27	378879	20.40	865388	21.43	431226			
11	1401	jq36ad1.d	JQ36A	T4-S3-07-B	3	7.65	164000	9.67	596070	12.54	324418	14.93	460713	19.27	348913	20.41	833083	21.44	444042			
12	1434	jq36bd1.d	JQ36B	T4-S3-07-C	3	7.65	176582	9.68	649558	12.54	357222	14.93	517327	19.26	382600	20.41	887415	21.43	463040			
13	1508	jq36cd1.d	JQ36C	T4-S3-07-D	3	7.65	188619	9.67	666697	12.54	360126	14.93	493027	19.27	367299	20.41	878260	21.45	480562			
14	1541	jq36d.d	JQ36D	T4-S3-07-E	1	7.65	190108	9.67	689211	12.54	375388	14.93	530676	19.26	396244	20.41	886141	21.43	471029			
15	1614	jq36dms.d	JQ36DMS	T4-S3-07-E MS	1	7.66	193322	9.68	702105	12.54	397577	14.93	573118	19.26	434923	20.41	942706	21.43	510775			
16	1647	jq36dmd.d	JQ36DMSD	T4-S3-07-E MSD	1	7.66	193448	9.68	698512	12.54	392633	14.93	554439	19.26	417221	20.40	908189	21.43	488890			
17	1720	jq36ed1.d	JQ36E	T4-S3-04-A	3	7.65	187837	9.67	660486	12.55	356789	14.93	480560	19.31	342035	20.43	942628	21.49	504159			
18	1753	jq36fd1.d	JQ36F	T4-S3-04-B	3	7.65	183513	9.67	666720	12.54	364319	14.93	513141	19.26	392118	20.41	854715	21.43	477566			
19	1826	jq36gd1.d	JQ36G	T4-S3-04-C	3	7.65	190268	9.68	694938	12.54	371277	14.93	510056	19.27	383028	20.41	869802	21.44	512732			
20	1859	jq36h.d	JQ36H	T4-S3-04-D	1	7.65	196412	9.67	717717	12.54	395702	14.93	563140	19.26	426383	20.40	952769	21.43	466270			
21	1932	jq36i.d	JQ36I	T4-WB-01	1	7.65	188317	9.67	690238	12.54	376457	14.93	533319	19.27	429594	20.41	954064	21.44	471947			
22	2006	jq36j.d	JQ36J	T4-WB-02	1	7.65	195790	9.67	714275	12.55	394209	14.93	561185	19.27	447953	20.41	972840	21.44	495952			
23	2039	jq36k.d	JQ36K	T4-WB-03	1	7.65	198829	9.67	722460	12.54	392692	14.93	553532	19.27	449036	20.41	991451	21.44	491572			
24	2112	jq36l.d	JQ36L	T4-WB-04	1	7.65	203046	9.67	732726	12.55	399898	14.93	564469	19.27	457739	20.41	1006086	21.44	494987			
25	2145	jq37gpc.d	JQ36GPC		1	7.65	199600	9.67	687674	12.54	367856	14.93	527310	19.26	456100	20.41	955523	21.43	514894			

Maintenance / Comments None

LJK 8/14/06

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): CC0811

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: 8/12/06 Analysis: BANS Analyst: LJK

GC Program: ABN IVL Column No: 103186 Column Type: ZB-5

Instrument Tune (.U or .CT.): 04B10 EM Voltage: 1541

Calibration File: cc0812 Curve Date: 8/10/06

IS/SS	Ical/Ccal	LCS/ICV
1402-2	1417-3	
	1418-1,2	
	1396-2	

	Time	Filename	LabID	ClientId	DF																	
1	1039	cc0812.d	ABN 25	ABN CCAL	1	7.61	192813	9.64	717645	12.51	392612	14.89	585303	19.23	417116	21.39	463417	20.37	917217			
2	1112	jr21mb.d	JR21MBS1	JR21MBS1	1	7.61	197191	9.63	729990	12.50	411198	14.89	615161	19.22	463112	20.37	1034597	21.39	380926			
3	1145	jr21sb.d	JR21LCSS1	JR21LCSS1	1	7.62	206410	9.63	759814	12.51	412330	14.89	624090	19.23	436896	20.37	957737	21.39	454662			
4	1219	jp87ydl.d	JP87Y	BASE/NEUTRA	10	7.61	191774	9.64	698537	12.50	386655	14.89	573576	19.22	425144	20.37	945026	21.38	451069			
5	1252	jq36k2.d	JQ36K	T4-WB-03	1	7.61	189297	9.63	691457	12.50	381353	14.89	544272	19.23	411178	20.38	942540	21.40	455678			
6	1325	jq36l2.d	JQ36L	T4-WB-04	1	7.62	199894	9.64	729399	12.50	403650	14.89	579141	19.22	419396	20.37	947839	21.40	461470			
7	1358	jq36a.d	JQ36A	T4-S3-07-B	1	7.62	193330	9.64	709626	12.51	388836	14.89	524064	19.25	384925	20.39	911689	21.43	462150			
8	1431	jq36b.d	JQ36B	T4-S3-07-C	1	7.61	204354	9.64	767072	12.51	422556	14.90	576206	19.24	429827	20.39	964926	21.42	491436			
9	1504	jq36c.d	JQ36C	T4-S3-07-D	1	7.62	218635	9.63	784993	12.51	419881	14.90	542205	19.27	414375	20.40	950566	21.45	487752			
10	1538	jq36f.d	JQ36F	T4-S3-04-B	1	7.61	207546	9.64	756175	12.51	423867	14.90	609831	19.23	454068	20.38	962678	21.40	529524			
11	1611	jq36g.d	JQ36G	T4-S3-04-C	1	7.61	210882	9.64	765059	12.51	418735	14.89	561618	19.25	418250	20.39	973476	21.43	532969			
12	1644	jr21a.d	JR21A	T.B.1-4/N. WALL	1	7.61	213462	9.63	764643	12.51	415916	14.90	573005	19.23	484684	20.37	1003108	21.40	502148			
13	1717	jr21b.d	JR21B	T.B.1-4/W. WALL	1	7.61	212525	9.64	658059	12.53	326098	14.92	400488	19.23	494789	20.37	1019473	21.39	543473			
14	1750	jr21c.d	JR21C	T.B.1-4/E. WALL	1	7.61	213624	9.64	726284	12.52	364818	14.90	456355	19.23	503815	20.37	1051435	21.39	570957			
15	1824	jr21d.d	JR21D	T.B.8-E. WALL	1	7.61	212378	9.64	733912	12.51	403741	14.90	550672	19.22	489154	20.37	1020945	21.39	562968			
16	1857	jr21e.d	JR21E	T.B.8-S. WALL	1	7.61	212498	9.64	660899	12.52	347263	14.90	429500	19.23	491935	20.37	1036154	21.40	593458			
17	1930	jr21f.d	JR21F	T.B.8-W. WALL	1	7.62	204477	9.65	587987	12.54	288207	14.93	331723	19.23	489966	20.38	1072456	21.40	553863			
18	2003	jr21g.d	JR21G	T.B. 5-7/N. WALL	1	7.61	217548	9.64	748860	12.51	413768	14.89	608739	19.22	492785	20.37	1024619	21.39	453311			
19	2036	jr21h.d	JR21H	T.B. 5-7/S. WALL	1	7.63	193375	9.65	675665	12.51	393765	14.89	607592	19.22	495269	20.37	1017002	21.39	579008			
20	2109	jr21i.d	JR21I	DUPLICATE 2	1	7.62	214311	9.65	753651	12.50	419987	14.89	595502	19.22	506004	20.37	1070353	21.39	567474			
21	2143	jr21j.d	JR21J	COMP S.P. 2	1	7.62	209579	9.65	631838	12.53	290784	14.92	345083	19.23	506052	20.37	1092585	21.40	555238			
22	2216	jr21k.d	JR21K	COMP S.P. 1	1	7.62	197379	9.65	611253	12.53	282308	14.93	347229	19.23	489088	20.37	1042466	21.40	567732			
23	2249	jr21l.d	JR21L	DUPLICATE-3	1	7.62	213086	9.65	608971	12.54	273466	14.93	318248	19.24	496264	20.37	1064469	21.40	537484			

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

LJK 8/14/06

Maintenance Verification (Identify ICal or CCal that demonstrates the instrument is in control): cc0812

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

NWTPH-Dx Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

TPHD SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01

Client ID	OTER	TOT OUT
T4-S3-07-B	66.7%	0
T4-S3-07-C	74.7%	0
T4-S3-07-D	72.6%	0
T4-S3-07-E	76.7%	0
080106MBS	80.9%	0
080106LCS	81.3%	0
T4-S3-04-A	78.3%	0
T4-S3-04-A	MS 57.8%	0
T4-S3-04-A	MSD57.0%	0
T4-S3-04-B	57.8%	0
T4-S3-04-C	81.3%	0
T4-S3-04-D	79.3%	0
T4-WB-01	78.0%	0
T4-WB-02	68.9%	0
T4-WB-03	75.8%	0
T4-WB-04	75.8%	0

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

Prep Method: SW3550B
Log Number Range: 06-12972 to 06-12983

FORM-II TPHD

ANALYTICAL RESOURCES INCORPORATED

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

Sample ID: T4-S3-04-A
MS/MSD

Lab Sample ID: JQ36E
LIMS ID: 06-12976
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Date Extracted MS/MSD: 08/01/06

Date Analyzed MS: 08/02/06 11:34
MSD: 08/02/06 11:49
Instrument/Analyst MS: FID3A/JGR
MSD: FID3A/JGR

Sample Amount MS: 6.54 g-dry-wt
MSD: 6.51 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 5.00
MSD: 5.00
Percent Moisture: 34.9%

Range	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Diesel	547	457	229	NA	449	230	NA	1.8%

TPHD Surrogate Recovery

	MS	MSD
o-Terphenyl	57.8%	57.0%

Results reported in mg/kg
NA-No recovery due to high concentration of analyte in original sample and/or calculated negative recovery.
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-080106
LAB CONTROL

Lab Sample ID: LCS-080106
LIMS ID: 06-12976
Matrix: Sediment
Data Release Authorized:
Reported: 08/03/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: NA
Date Received: NA

Date Extracted: 08/01/06
Date Analyzed: 08/02/06 07:26
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	118	150	78.7%

TPHD Surrogate Recovery

o-Terphenyl	81.3%

Results reported in mg/kg

4

TPH METHOD BLANK SUMMARY

BLANK NO.

JQ36MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: ANCHOR ENVIR

SDG No.: JQ36

Project No.: T4 EARLY ACTION

Date Extracted: 10/06/03

Matrix: SOIL

Date Analyzed : 08/02/06

Instrument ID : FID3A

Time Analyzed : 0711

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	JQ36LCSS1	JQ36LCSS1	08/02/06
02	T4-S3-07-B	JQ36A	08/02/06
03	T4-S3-07-C	JQ36B	08/02/06
04	T4-S3-07-D	JQ36C	08/02/06
05	T4-S3-07-E	JQ36D	08/02/06
06	T4-S3-04-A	JQ36E	08/02/06
07	T4-S3-04-A M	JQ36EMS	08/02/06
08	T4-S3-04-A M	JQ36EMSD	08/02/06
09	T4-S3-04-B	JQ36F	08/02/06
10	T4-S3-04-C	JQ36G	08/02/06
11	T4-S3-04-D	JQ36H	08/02/06
12	T4-WB-01	JQ36I	08/02/06
13	T4-WB-02	JQ36J	08/02/06
14	T4-WB-03	JQ36K	08/02/06
15	T4-WB-04	JQ36L	08/02/06

FORM IV TPH

TPH ANALYTICAL SEQUENCE

Lab Name: ANALYTICAL RESOURCES, INC Client: ANCHOR ENVIROMENTAL

SDG No.: JQ36 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 ENVIR

SDG No.: JQ36 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: 4.00 TRIAC: 5.21

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	ZZZZZ	ZZZZZ	08/02/06	0523	4.01	5.23
02	RT	RT	08/02/06	0539	4.00	5.21
03	IB	IB	08/02/06	0554	4.00	5.21
04	DIESEL#1	DIESEL#1	08/02/06	0609	4.01	5.20
05	MOIL#1	MOIL#1	08/02/06	0625	4.00	5.21
06	ZZZZZ	ZZZZZ	08/02/06	0640	4.01	5.21
07	ZZZZZ	ZZZZZ	08/02/06	0655	4.01	5.21
08	JQ36MBS1	JQ36MBS1	08/02/06	0711	4.00	5.21
09	JQ36LCSS1	JQ36LCSS1	08/02/06	0726	4.01	5.21
10	ZZZZZ	ZZZZZ	08/02/06	0742	4.01	5.21
11	ZZZZZ	ZZZZZ	08/02/06	0757	4.03	5.21
12	ZZZZZ	ZZZZZ	08/02/06	0812	4.01	5.22
13	ZZZZZ	ZZZZZ	08/02/06	0828	4.00	5.20
14	ZZZZZ	ZZZZZ	08/02/06	0843	4.01	5.21
15	ZZZZZ	ZZZZZ	08/02/06	0858	4.01	5.21
16	ZZZZZ	ZZZZZ	08/02/06	0914	4.01	5.22
17	DIESEL#2	DIESEL#2	08/02/06	0929	4.01	5.20
18	MOIL#2	MOIL#2	08/02/06	0945	4.00	5.22
19	ZZZZZ	ZZZZZ	08/02/06	1000	4.00	5.19
20	T4-S3-07-B	JQ36A	08/02/06	1016	4.00	5.20
21	T4-S3-07-C	JQ36B	08/02/06	1032	4.01	5.22
22	T4-S3-07-D	JQ36C	08/02/06	1047	4.00	5.21
23	T4-S3-07-E	JQ36D	08/02/06	1103	4.01	5.21
24	T4-S3-04-A	JQ36E	08/02/06	1118	4.01	5.21
25	T4-S3-04-A M	JQ36EMS	08/02/06	1134	4.01	5.21
26	T4-S3-04-A M	JQ36EMSD	08/02/06	1149	4.00	5.20
27	T4-S3-04-B	JQ36F	08/02/06	1205	4.00	5.22
28	ZZZZZ	ZZZZZ	08/02/06	1221	4.01	5.21
29	DIESEL#3	DIESEL#3	08/02/06	1236	4.01	5.19
30	MOIL#3	MOIL#3	08/02/06	1252	4.00	5.21
31	T4-S3-04-C	JQ36G	08/02/06	1308	4.00	5.20
32	T4-S3-04-D	JQ36H	08/02/06	1323	4.01	5.21

	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 ENVIR

SDG No.: JQ36 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: 4.00 TRIAC: 5.21

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TERPH RT #	TRIAC RT #
01	T4-WB-01	JQ36I	08/02/06	1339	4.00	5.21
02	T4-WB-02	JQ36J	08/02/06	1355	4.01	5.21
03	T4-WB-03	JQ36K	08/02/06	1410	4.01	5.21
04	T4-WB-04	JQ36L	08/02/06	1426	4.01	5.21
05	ZZZZZ	ZZZZZ	08/02/06	1441	4.00	5.21
06	DIESEL#4	DIESEL#4	08/02/06	1457	4.01	5.20
07	MOIL#4	MOIL#4	08/02/06	1512	4.00	5.21

	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: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID

Matrix: Sediment

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized:
Reported: 08/03/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
JQ36A	T4-S3-07-B	08/01/06	08/02/06	5.0	**Diesel**	**110**
06-12972	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**330**
					o-Terphenyl	66.7%
JQ36B	T4-S3-07-C	08/01/06	08/02/06	1.0	**Diesel**	**88**
06-12973	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**290**
					o-Terphenyl	74.7%
JQ36C	T4-S3-07-D	08/01/06	08/02/06	5.0	**Diesel**	**130**
06-12974	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**370**
					o-Terphenyl	72.6%
JQ36D	T4-S3-07-E	08/01/06	08/02/06	1.0	**Diesel**	**9.2**
06-12975	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**25**
					o-Terphenyl	76.7%
MB-080106	Method Blank	08/01/06	08/02/06	1.0	Diesel	< 5.0 U
06-12976	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	80.9%
JQ36E	T4-S3-04-A	08/01/06	08/02/06	5.0	**Diesel**	**550**
06-12976	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**1,400**
					o-Terphenyl	78.3%
JQ36F	T4-S3-04-B	08/01/06	08/02/06	1.0	**Diesel**	**36**
06-12977	HC ID: **DRO/MOTOR OIL**		FID3A		**Motor Oil**	**220**
					o-Terphenyl	57.8%
JQ36G	T4-S3-04-C	08/01/06	08/02/06	5.0	**Diesel**	**96**
06-12978	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**200**
					o-Terphenyl	81.3%
JQ36H	T4-S3-04-D	08/01/06	08/02/06	1.0	**Diesel**	**8.1**
06-12979	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**15**
					o-Terphenyl	79.3%
JQ36I	T4-WB-01	08/01/06	08/02/06	1.0	**Diesel**	**32**
06-12980	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**130**
					o-Terphenyl	78.0%
JQ36J	T4-WB-02	08/01/06	08/02/06	1.0	**Diesel**	**22**
06-12981	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**110**
					o-Terphenyl	68.9%
JQ36K	T4-WB-03	08/01/06	08/02/06	1.0	**Diesel**	**32**
06-12982	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**140**
					o-Terphenyl	75.8%
JQ36L	T4-WB-04	08/01/06	08/02/06	1.0	**Diesel**	**31**
06-12983	HC ID: **DRO/RRO**		FID3A		**Motor Oil**	**150**
					o-Terphenyl	75.8%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID

Matrix: Sediment

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Received: 07/21/06

Data Release Authorized:
Reported: 08/03/06

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result

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.

FORM I

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a020.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36A
Client ID:
Injection: 02-AUG-2006 10:16
Dilution Factor: 5

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	1.272	0.010	9866	35796	GAS (Tol-C12)	118305	6
C8	1.461	0.012	1636	3836	DIESEL (C12-C24)	1466015	118
C10	2.661	0.000	75	25	M.OIL (C24-C38)	3290433	349
C12	3.129	-0.009	1613	1709	AK-102 (C10-C25)	1481761	102
C14	3.447	0.004	3620	1699	AK-103 (C25-C36)	3094364	487
C16	3.695	-0.004	9943	11227			
C18	3.931	0.001	16342	13058			
C20	4.149	0.005	18988	10310			
C22	4.351	-0.005	23171	7265	STODDARD (C8-C12)	44902	3
C24	4.565	0.003	36473	19635			
C25	4.658	-0.009	40441	38349			
C26	4.780	0.008	56621	88620			
C28	4.986	0.002	39743	33018			
C32	5.415	0.000	41605	51008			
C34	5.624	0.000	32587	37998			
Filter Peak	6.186	-0.002	8827	2244			
C36	5.833	0.004	22223.0	14464	o-Terph Surrogate Rec = 66.7%		(109159)
C38	6.044	0.009	12946.0	11588	Triacon Surrogate Rec = 79.3%		(109069)
C40	6.297	0.011	6762	5289			
o-terph	4.004	0.000	324497	109159	JET-A (C10-C18)	398424	34
Triacon Surr	5.204	-0.005	183466	109069			

MR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a020.d

Date : 02-AUG-2006 10:16

Client ID:

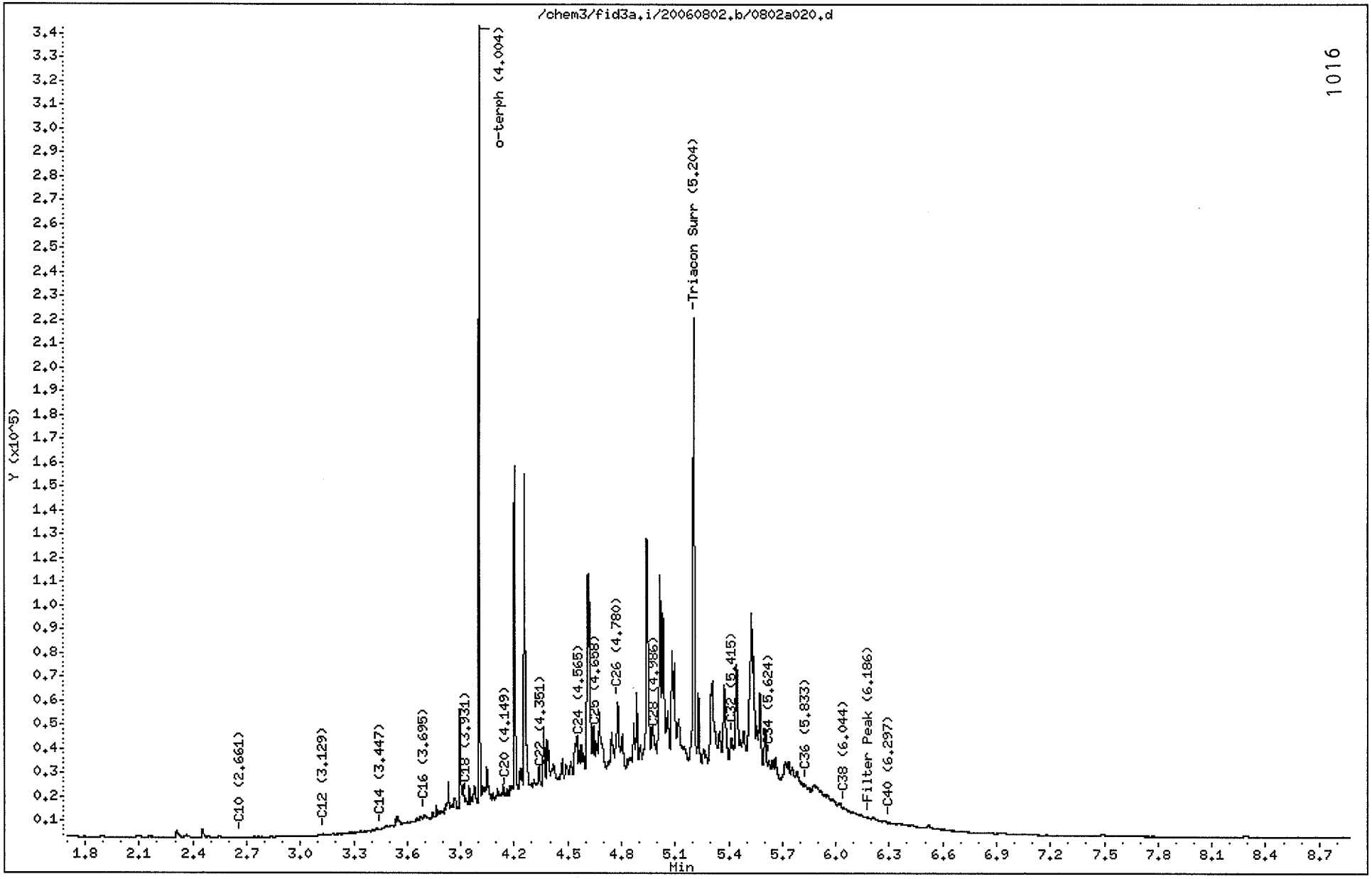
Sample Info: JQ36A,5

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a021.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36B
Client ID:
Injection: 02-AUG-2006 10:32
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	0.010	22274	66153	GAS (Tol-C12)	354438	18
C8	1.416	-0.033	61859	56598	DIESEL (C12-C24)	5955419	481
C10	2.661	0.000	900	930	M.OIL (C24-C38)	14909339	1581
C12	3.149	0.011	4477	3207	AK-102 (C10-C25)	6027292	415
C14	3.446	0.003	18618	12432	AK-103 (C25-C36)	13913315	2191
C16	3.692	-0.007	38386	37788			
C18	3.931	0.001	63273	66145			
C20	4.139	-0.006	119738	75391			
C22	4.366	0.010	185832	217119	STODDARD (C8-C12)	207321	14
C24	4.559	-0.003	157219	58871			
C25	4.664	-0.003	189699	177416			
C26	4.766	-0.005	163523	42220			
C28	4.994	0.010	197647	115089			
C32	5.419	0.003	201442	169996			
C34	5.627	0.003	197813	199758			
Filter Peak	6.190	0.002	43664	27603			
C36	5.826	-0.003	112593.0	69159	o-Terph Surrogate Rec = 74.6%		(610548)
C38	6.033	-0.002	69321.0	15118	Triacon Surrogate Rec = 70.7%		(485871)
C40	6.282	-0.004	39066	14613			
o-terph	4.009	0.005	1259534	610548	JET-A (C10-C18)	1579962	136
Triacon Surr	5.223	0.014	442974	485871			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a021.d

Date : 02-AUG-2006 10:32

Client ID:

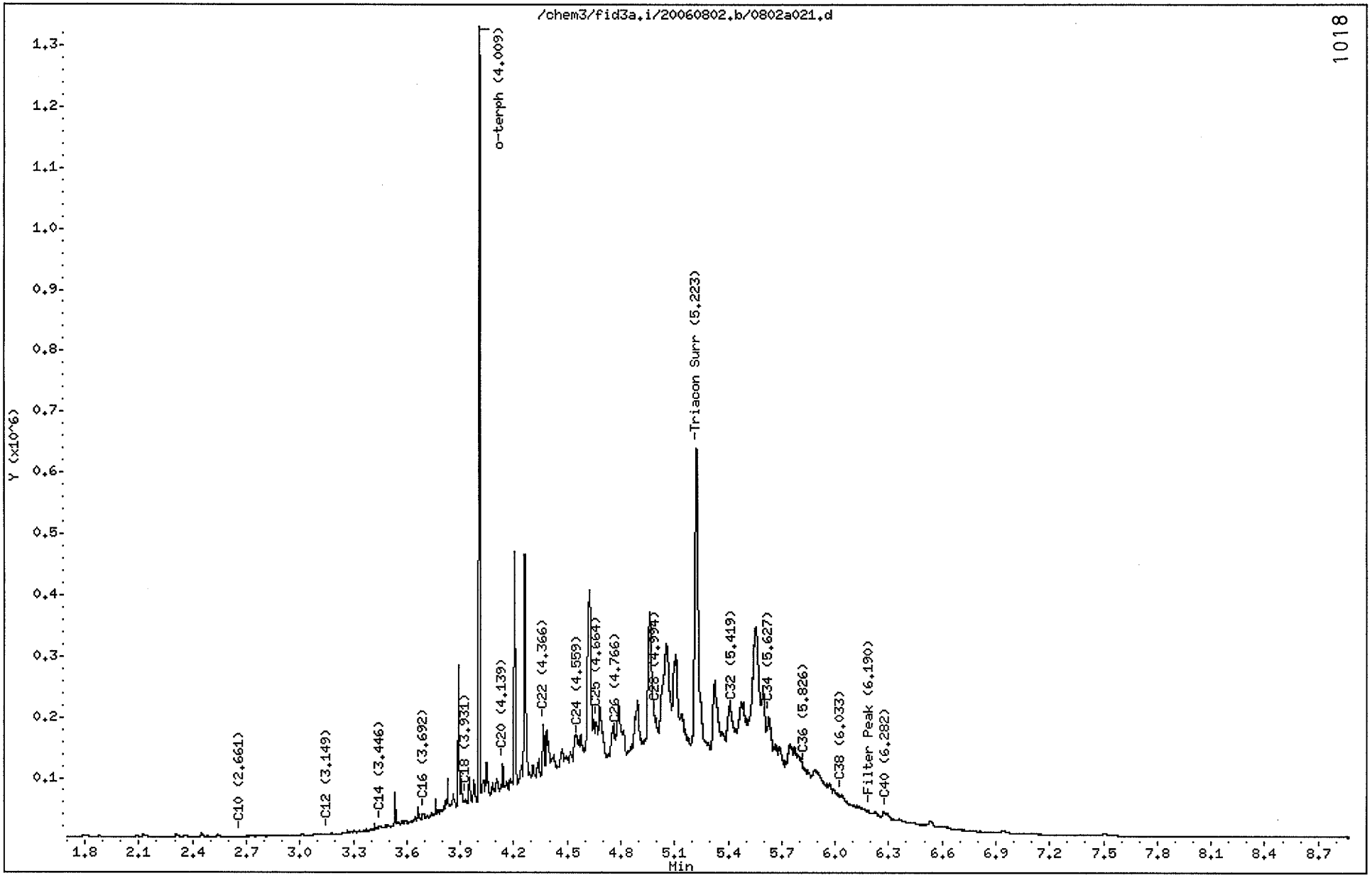
Sample Info: JQ36B

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a022.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36C
Client ID:
Injection: 02-AUG-2006 10:47
Dilution Factor: 5

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

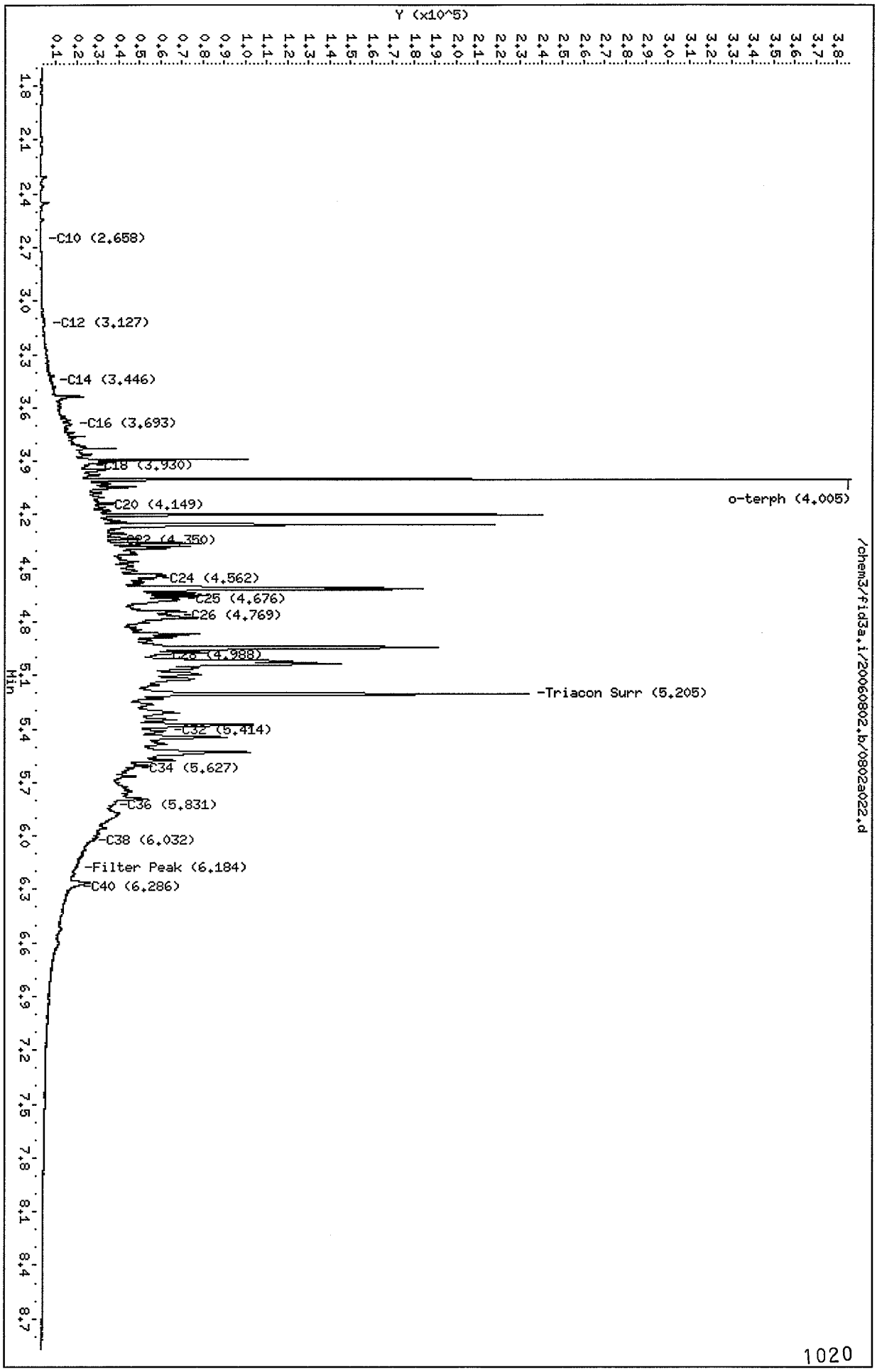
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.270	0.009	10063	37076	GAS (Tol-C12)	133114	7
C8	1.458	0.010	1590	3166	DIESEL (C12-C24)	2153486	174
C10	2.658	-0.003	149	31	M.OIL (C24-C38)	4595611	487
C12	3.127	-0.011	2027	2333	AK-102 (C10-C25)	2175753	150
C14	3.446	0.003	4845	1719	AK-103 (C25-C36)	4263822	672
C16	3.693	-0.006	15103	20531			
C18	3.930	0.000	22436	17679			
C20	4.149	0.004	27937	16913			
C22	4.350	-0.006	33281	9861	STODDARD (C8-C12)	52328	3
C24	4.562	0.001	54432	41637			
C25	4.676	0.009	66298	50797			
C26	4.769	-0.003	64182	16336			
C28	4.988	0.004	55658	34653			
C32	5.414	-0.002	59656	79821			
C34	5.627	0.002	44534	48814			
Filter Peak	6.184	-0.004	17120	10687			
C36	5.831	0.002	33906.0	6043	o-Terph Surrogate Rec = 72.6%		(118823)
C38	6.032	-0.002	23819.0	13023	Triacon Surrogate Rec = 88.0%		(120936)
C40	6.286	0.000	16706	15647			
o-terph	4.005	0.000	361910	118823	JET-A (C10-C18)	577614	50
Triacon Surr	5.205	-0.004	181137	120936			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a022.d
Date : 02-AUG-2006 10:47
Client ID:
Sample Info: JQ36C,5
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a023.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36D
Client ID:
Injection: 02-AUG-2006 11:03
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	1.270	0.008	23714	78574	GAS (Tol-C12)	237798	12
C8	1.415	-0.033	45600	37295	DIESEL (C12-C24)	934918	76
C10	2.663	0.002	244	204	M.OIL (C24-C38)	1953824	207
C12	3.132	-0.006	1175	1349	AK-102 (C10-C25)	1015244	70
C14	3.440	-0.003	2180	1927	AK-103 (C25-C36)	1771211	279
C16	3.694	-0.005	6289	8705			
C18	3.941	0.011	8569	2210			
C20	4.139	-0.006	14490	9493			
C22	4.350	-0.006	14641	4606	STODDARD (C8-C12)	109305	7
C24	4.563	0.002	24132	13486			
C25	4.675	0.008	29752	22106			
C26	4.776	0.005	33231	44945			
C28	4.987	0.003	22302	9597			
C32	5.415	-0.001	26960	44565			
C34	5.625	0.001	17853	15035			
Filter Peak	6.194	0.006	5898	3490			
C36	5.837	0.008	12952.0	7123	o-Terph Surrogate Rec = 76.8%		(628366)
C38	6.036	0.001	8490.0	5192	Triacon Surrogate Rec = 83.7%		(575084)
C40	6.282	-0.004	5192	3432			
o-terph	4.010	0.005	1377149	628366	JET-A (C10-C18)	255356	22
Triacon Surr	5.213	0.004	740062	575084			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a023.d

Date : 02-AUG-2006 11:03

Client ID:

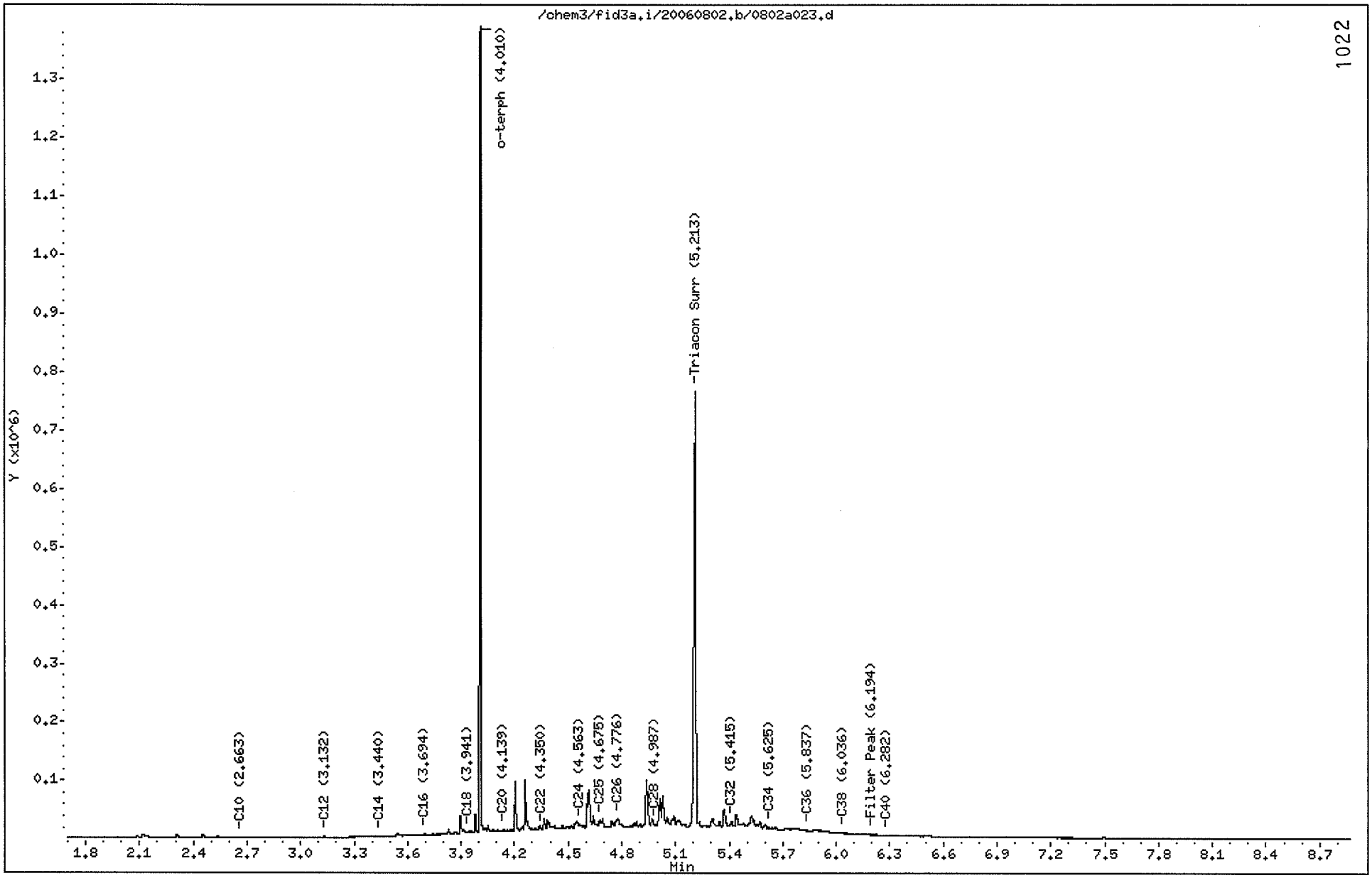
Sample Info: JQ36D

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a024.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36E
Client ID:
Injection: 02-AUG-2006 11:18
Dilution Factor: 5

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	0.008	12307	41938	GAS (Tol-C12)	258677	13
C8	1.440	-0.008	1602	1593	DIESEL (C12-C24)	8828043	713
C10	2.663	0.002	983	1075	M.OIL (C24-C38)	16903326	1792
C12	3.150	0.011	3614	2119	AK-102 (C10-C25)	8998080	620
C14	3.436	-0.007	18379	13329	AK-103 (C25-C36)	16156737	2545
C16	3.692	-0.007	53736	35565			
C18	3.923	-0.007	60091	73344			
C20	4.141	-0.003	57871	25674			
C22	4.355	0.000	189181	286310	STODDARD (C8-C12)	154194	10
C24	4.566	0.004	411506	635373			
C25	4.663	-0.004	767176	474964			
C26	4.767	-0.005	175414	41363			
C28	4.990	0.006	526042	587378			
C32	5.417	0.001	198012	39333			
C34	5.623	-0.002	134163	23866			
Filter Peak	6.188	0.000	23242	11969			
C36	5.821	-0.008	132507.0	127795	o-Terph Surrogate Rec = 78.3%		(128240)
C38	6.037	0.002	42035.0	23410	Triacon Surrogate Rec = 86.3%		(118666)
C40	6.290	0.004	22232	5668			
o-terph	4.008	0.003	304819	128240	JET-A (C10-C18)	2106144	182
Triacon Surr	5.214	0.005	166238	118666			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a024.d

Date : 02-AUG-2006 11:18

Client ID:

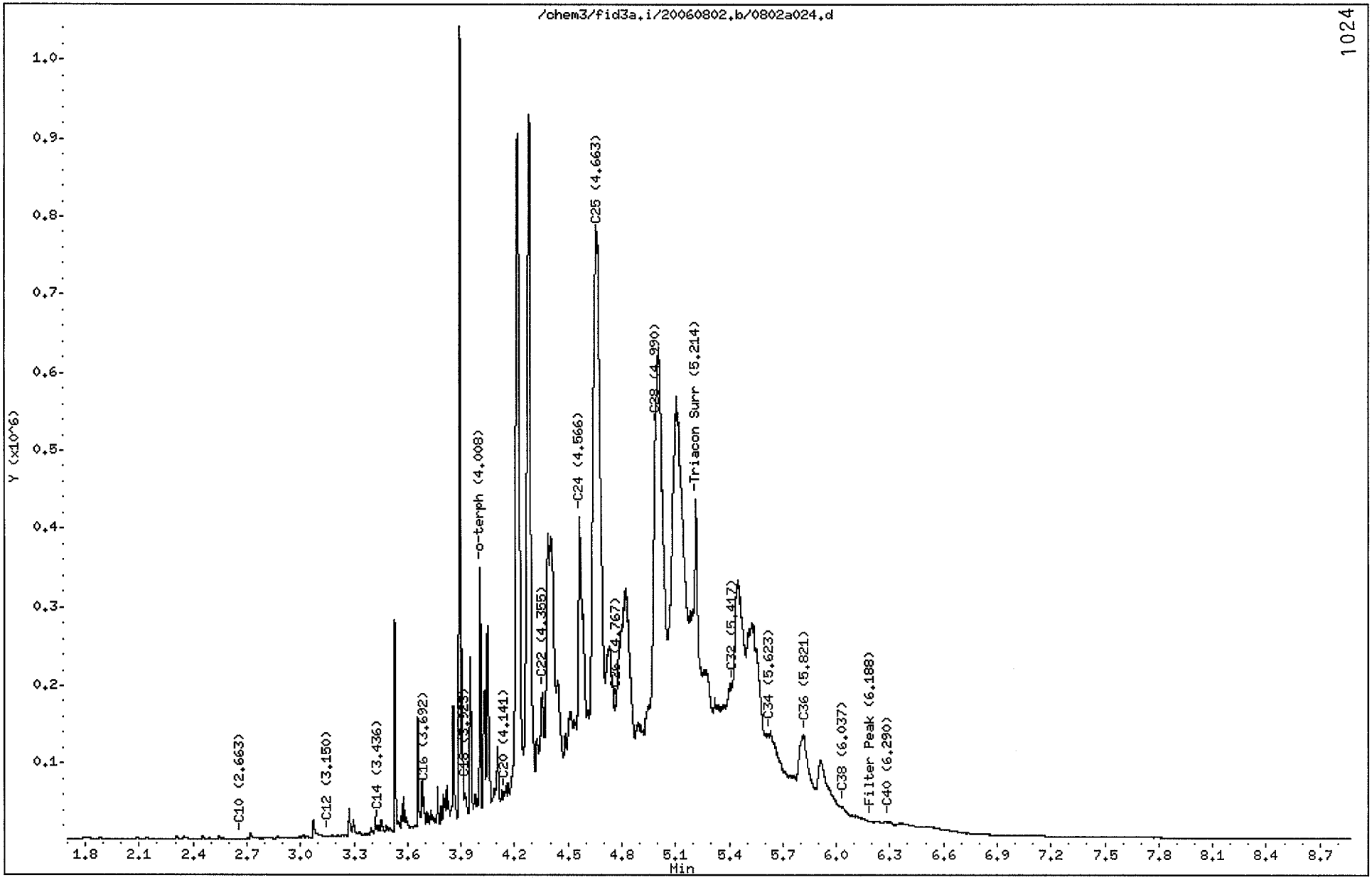
Sample Info: JQ36E,5

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a027.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36F
Client ID:
Injection: 02-AUG-2006 12:05
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

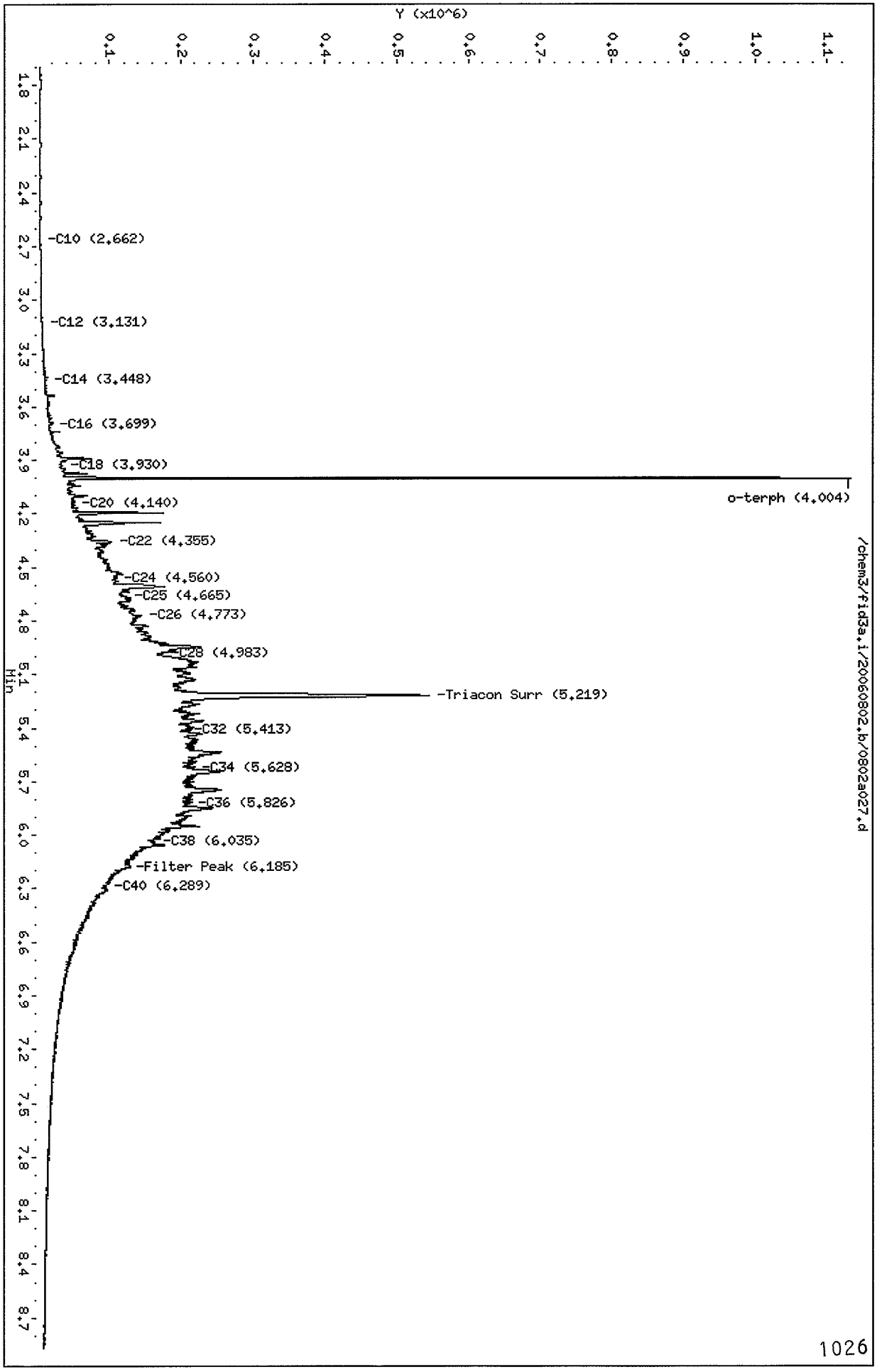
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.265	0.004	12196	40768	GAS (Tol-C12)	201684	10
C8	1.446	-0.003	2005	479	DIESEL (C12-C24)	3472185	281
C10	2.662	0.001	785	813	M.OIL (C24-C38)	16090451	1706
C12	3.131	-0.008	4178	4528	AK-102 (C10-C25)	3531076	243
C14	3.448	0.005	10343	8496	AK-103 (C25-C36)	13899389	2189
C16	3.699	0.000	16836	9856			
C18	3.930	0.000	31339	21357			
C20	4.140	-0.005	46563	26609			
C22	4.355	-0.001	100565	84249	STODDARD (C8-C12)	97870	7
C24	4.560	-0.001	105433	35724			
C25	4.665	-0.002	121708	62940			
C26	4.773	0.001	141646	79824			
C28	4.983	-0.001	172659	102107			
C32	5.413	-0.002	205427	64884			
C34	5.628	0.003	215389	33996			
Filter Peak	6.185	-0.003	122523	95436			
C36	5.826	-0.003	210631.0	95033	o-Terph Surrogate Rec = 57.7%		(472422)
C38	6.035	0.000	161103.0	75816	Triacon Surrogate Rec = 56.4%		(387650)
C40	6.289	0.003	93479	54154			
o-terph	4.004	-0.001	1091894	472422	JET-A (C10-C18)	759239	66
Triacon Surr	5.219	0.010	334864	387650			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a027.d
Date : 02-AUG-2006 12:05
Client ID:
Sample Info: JQ36F
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a031.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36G
Client ID:
Injection: 02-AUG-2006 13:08
Dilution Factor: 5

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

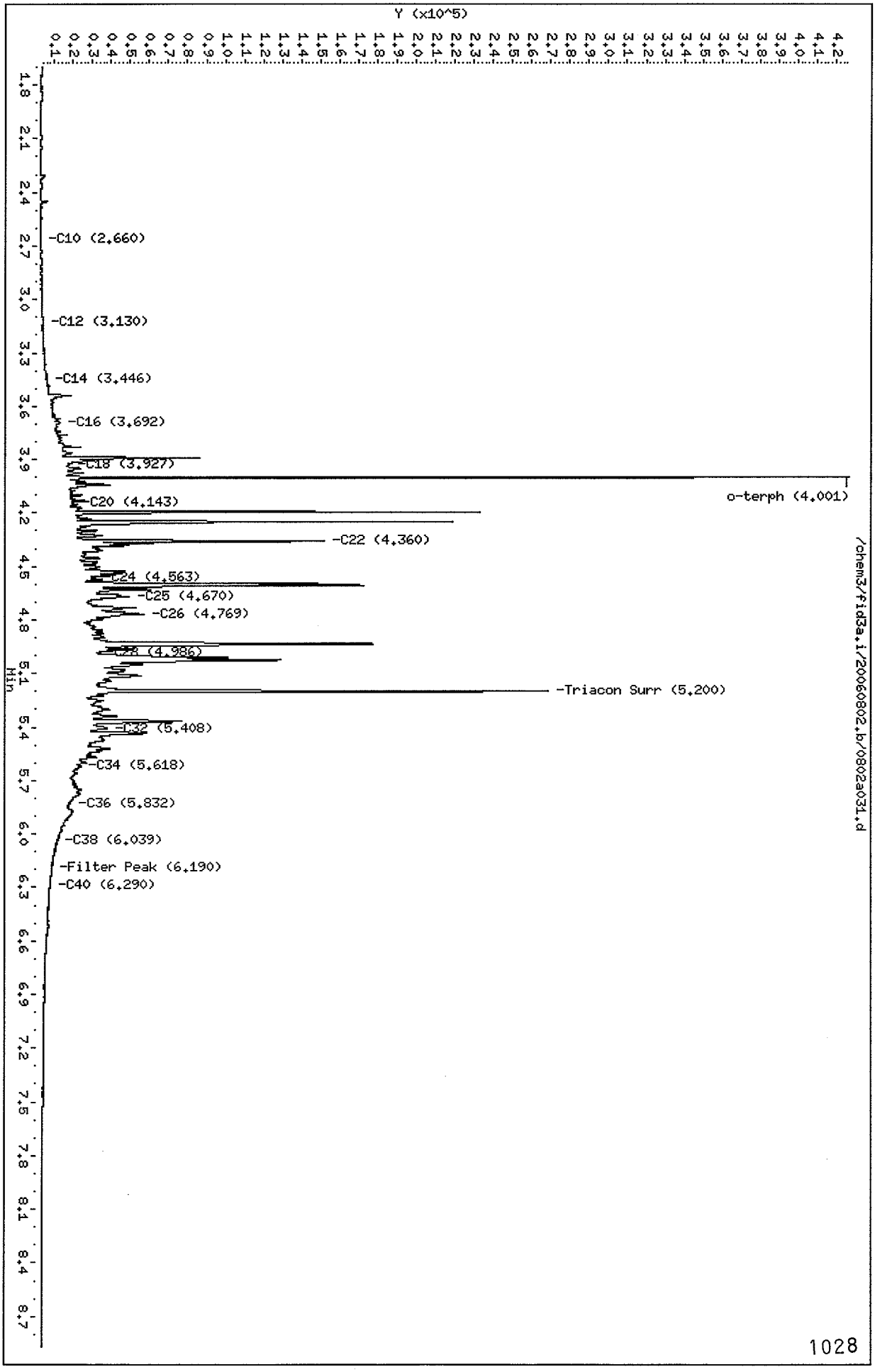
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.270	0.008	10455	38260	GAS (Tol-C12)	128917	6
C8	1.457	0.008	1650	3110	DIESEL (C12-C24)	1681098	136
C10	2.660	-0.001	102	53	M.OIL (C24-C38)	2658723	282
C12	3.130	-0.008	1361	1837	AK-102 (C10-C25)	1698285	117
C14	3.446	0.003	3254	1482	AK-103 (C25-C36)	2528931	398
C16	3.692	-0.007	10606	16111			
C18	3.927	-0.002	15987	11723			
C20	4.143	-0.002	17752	10439			
C22	4.360	0.004	149191	94160	STODDARD (C8-C12)	44485	3
C24	4.563	0.002	28871	16715			
C25	4.670	0.003	46759	36595			
C26	4.769	-0.003	54735	56283			
C28	4.986	0.002	30901	6093			
C32	5.408	-0.008	35911	37663			
C34	5.618	-0.006	21640	18777			
Filter Peak	6.190	0.002	6463	1792			
C36	5.832	0.003	16175.0	10993	o-Terph Surrogate Rec = 81.4%		(133205)
C38	6.039	0.005	9483.0	5761	Triacon Surrogate Rec = 89.1%		(122513)
C40	6.290	0.004	5578	1985			
o-terph	4.001	-0.004	408941	133205	JET-A (C10-C18)	406256	35
Triacon Surr	5.200	-0.009	230835	122513			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a031.d
Date : 02-AUG-2006 13:08
Client ID:
Sample Info: JQ360,5
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a032.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36H
Client ID:
Injection: 02-AUG-2006 13:23
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

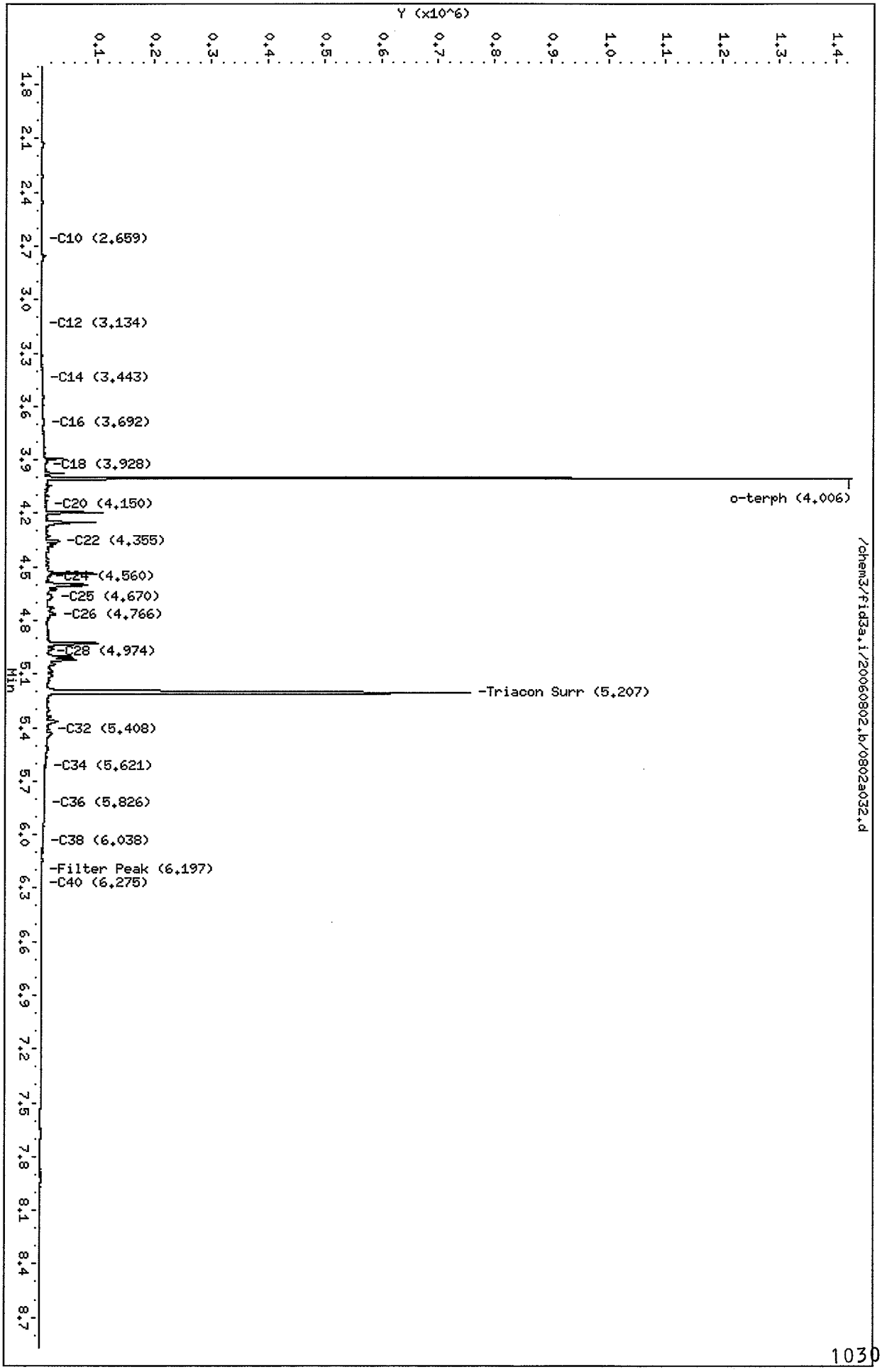
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.273	0.012	21861	61370	GAS (Tol-C12)	204753	10
C8	1.421	-0.028	27430	31315	DIESEL (C12-C24)	795780	64
C10	2.659	-0.002	231	142	M.OIL (C24-C38)	1098967	117
C12	3.134	-0.004	1144	931	AK-102 (C10-C25)	819684	56
C14	3.443	0.000	1620	445	AK-103 (C25-C36)	1036763	163
C16	3.692	-0.007	4907	5515			
C18	3.928	-0.001	7392	3834			
C20	4.150	0.005	10743	12275			
C22	4.355	-0.001	31997	16318	STODDARD (C8-C12)	99717	7
C24	4.560	-0.002	12921	7919			
C25	4.670	0.003	21092	13897			
C26	4.766	-0.005	25925	35604			
C28	4.974	-0.010	13648	9472			
C32	5.408	-0.007	15613	17756			
C34	5.621	-0.004	8516	6052			
Filter Peak	6.197	0.009	3190	2133			
C36	5.826	-0.003	6760.0	3966	o-Terph Surrogate Rec = 79.2%		(648728)
C38	6.038	0.004	4171.0	664	Triacon Surrogate Rec = 91.1%		(626086)
C40	6.275	-0.011	3311	6068			
o-terph	4.006	0.001	1426165	648728	JET-A (C10-C18)	205968	18
Triacon Surr	5.207	-0.002	756581	626086			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a032.d
Date : 02-AUG-2006 13:23
Client ID:
Sample Info: JQ36H
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a033.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36I
Client ID:
Injection: 02-AUG-2006 13:39
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

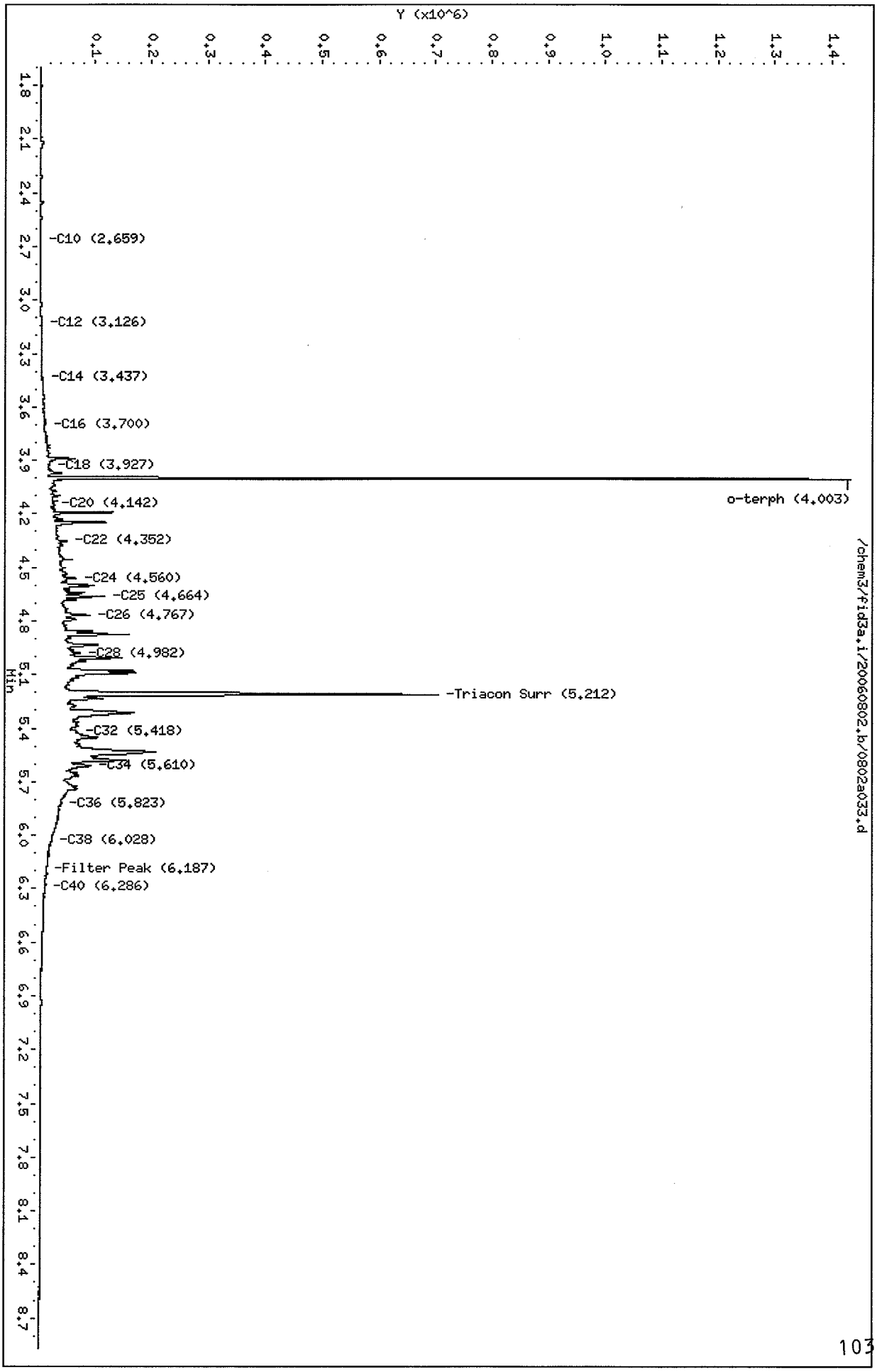
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.273	0.012	17599	53121	GAS (Tol-C12)	218084	11
C8	1.423	-0.025	19805	22486	DIESEL (C12-C24)	1743574	141
C10	2.659	-0.002	415	369	M.OIL (C24-C38)	5279950	560
C12	3.126	-0.012	3477	2706	AK-102 (C10-C25)	1770620	122
C14	3.437	-0.006	3804	3445	AK-103 (C25-C36)	4971160	783
C16	3.700	0.001	9043	7872			
C18	3.927	-0.003	15896	14321			
C20	4.142	-0.002	24153	12652			
C22	4.352	-0.003	48165	61598	STODDARD (C8-C12)	99657	7
C24	4.560	-0.001	63836	51241			
C25	4.664	-0.003	114544	94472			
C26	4.767	-0.004	88284	118431			
C28	4.982	-0.002	72550	78006			
C32	5.418	0.003	67423	68252			
C34	5.610	-0.015	91237	177225			
Filter Peak	6.187	-0.001	12441	7318			
C36	5.823	-0.006	39584.0	28980	o-Terph Surrogate Rec = 78.1%		(639356)
C38	6.028	-0.007	22715.0	19415	Triacon Surrogate Rec = 82.5%		(567083)
C40	6.286	0.000	10681	11739			
o-terph	4.003	-0.002	1404503	639356	JET-A (C10-C18)	406332	35
Triacon Surr	5.212	0.003	634774	567083			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a033.d
Date : 02-AUG-2006 13:39
Client ID:
Sample Info: JQ36I
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a034.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36J
Client ID:
Injection: 02-AUG-2006 13:55
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

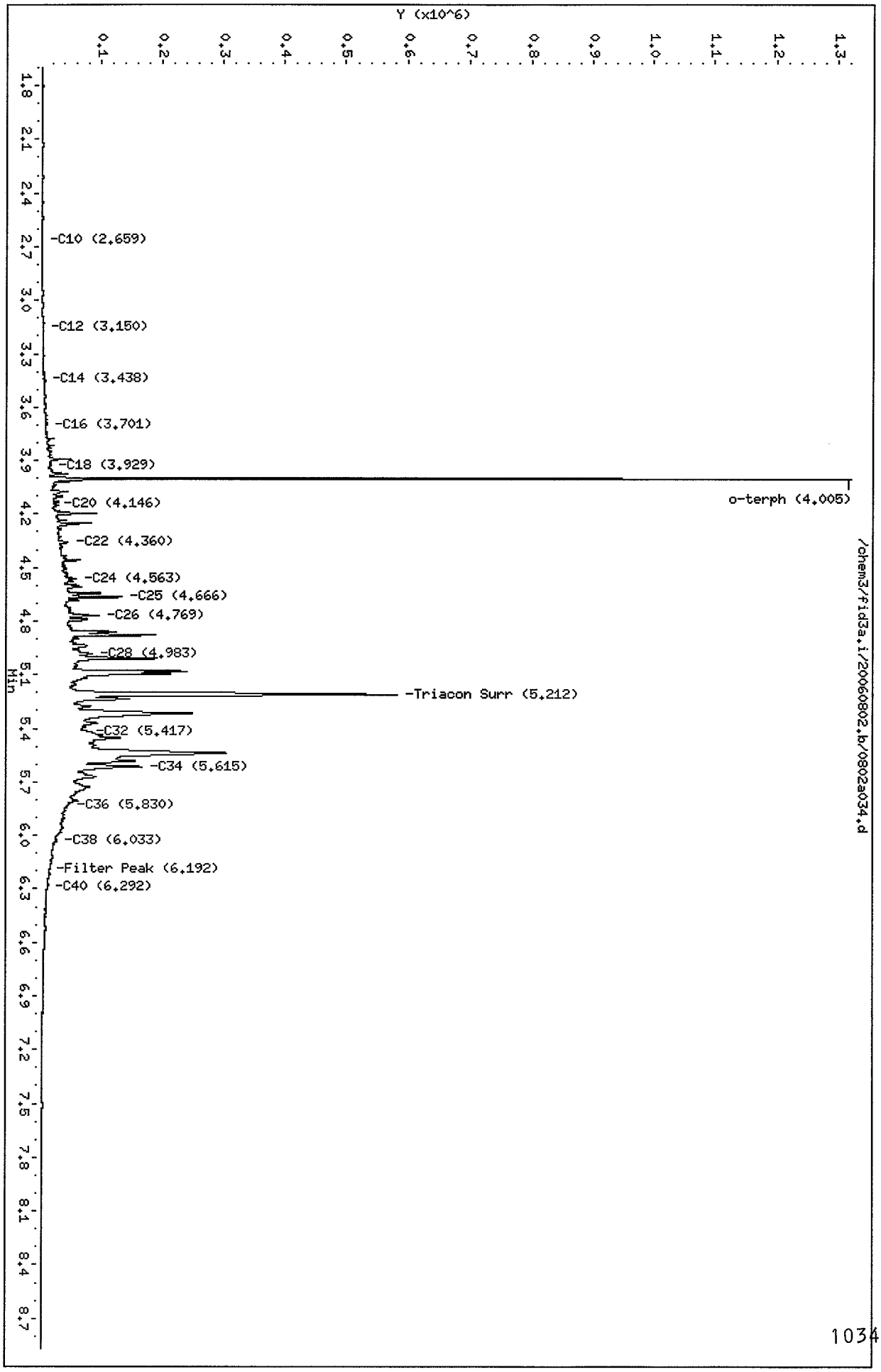
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.269	0.008	19976	58713	GAS (Tol-C12)	212910	11
C8	1.420	-0.029	17804	19988	DIESEL (C12-C24)	1626893	131
C10	2.659	-0.002	378	352	M.OIL (C24-C38)	6150065	652
C12	3.150	0.011	2054	1352	AK-102 (C10-C25)	1654353	114
C14	3.438	-0.005	3853	3468	AK-103 (C25-C36)	5795468	913
C16	3.701	0.002	8940	6771			
C18	3.929	-0.001	15161	12174			
C20	4.146	0.001	23769	13073			
C22	4.360	0.005	43794	57257	STODDARD (C8-C12)	82659	6
C24	4.563	0.002	57577	43303			
C25	4.666	-0.001	132246	96465			
C26	4.769	-0.003	95035	112363			
C28	4.983	-0.001	84652	85915			
C32	5.417	0.001	78255	33383			
C34	5.615	-0.010	166467	273818			
Filter Peak	6.192	0.004	14135	9694			
C36	5.830	0.001	46154.0	32695	o-Terph Surrogate Rec = 69.0%		(564528)
C38	6.033	-0.002	26367.0	31628	Triacon Surrogate Rec = 69.3%		(476089)
C40	6.292	0.006	10997	9300			
o-terph	4.005	0.001	1295494	564528	JET-A (C10-C18)	382833	33
Triacon Surr	5.212	0.003	502304	476089			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a034.d
Date : 02-AUG-2006 13:55
Client ID:
Sample Info: JQ36J
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a035.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36K
Client ID:
Injection: 02-AUG-2006 14:10
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

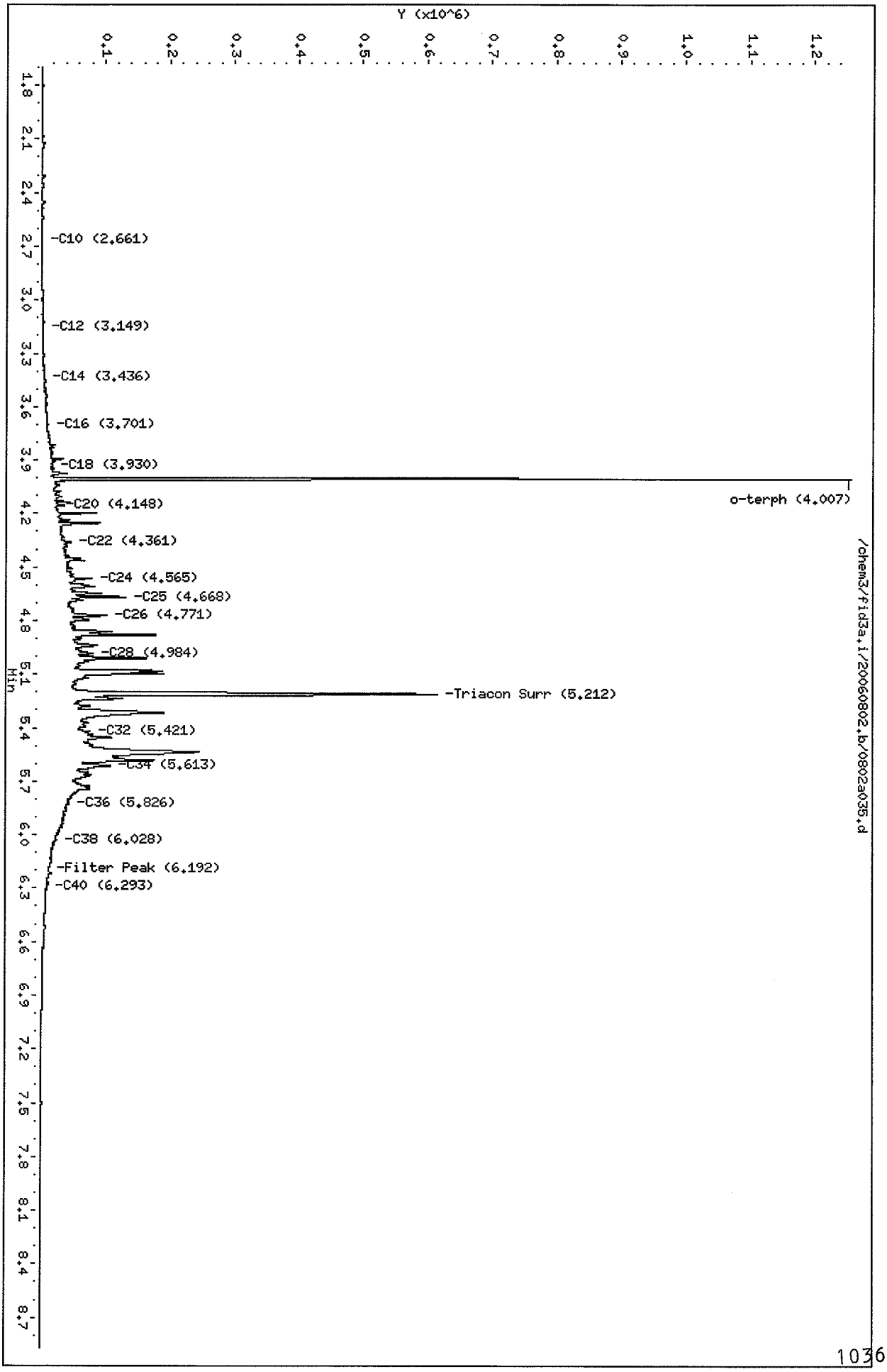
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.271	0.010	18064	54210	GAS (Tol-C12)	210443	11
C8	1.421	-0.027	17823	19090	DIESEL (C12-C24)	1781357	144
C10	2.661	0.000	469	433	M.OIL (C24-C38)	5779205	613
C12	3.149	0.011	2058	1591	AK-102 (C10-C25)	1814009	125
C14	3.436	-0.007	4666	3727	AK-103 (C25-C36)	5464109	861
C16	3.701	0.002	11148	8402			
C18	3.930	0.000	17808	16742			
C20	4.148	0.003	26065	11867			
C22	4.361	0.005	47124	60625	STODDARD (C8-C12)	94854	6
C24	4.565	0.004	78181	71944			
C25	4.668	0.001	131236	103449			
C26	4.771	0.000	101004	117766			
C28	4.984	0.000	79561	88661			
C32	5.421	0.006	75160	76274			
C34	5.613	-0.012	108305	174199			
Filter Peak	6.192	0.004	13366	5262			
C36	5.826	-0.003	44240.0	35009	o-Terph Surrogate Rec = 75.7%		(619835)
C38	6.028	-0.007	25211.0	20462	Triacon Surrogate Rec = 72.7%		(500115)
C40	6.293	0.007	10596	4739			
o-terph	4.007	0.002	1255036	619835	JET-A (C10-C18)	441865	38
Triacon Surr	5.212	0.003	541825	500115			

JL 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a035.d
Date : 02-AUG-2006 14:10
Client ID:
Sample Info: JQ36K
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a036.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36L
Client ID:
Injection: 02-AUG-2006 14:26
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

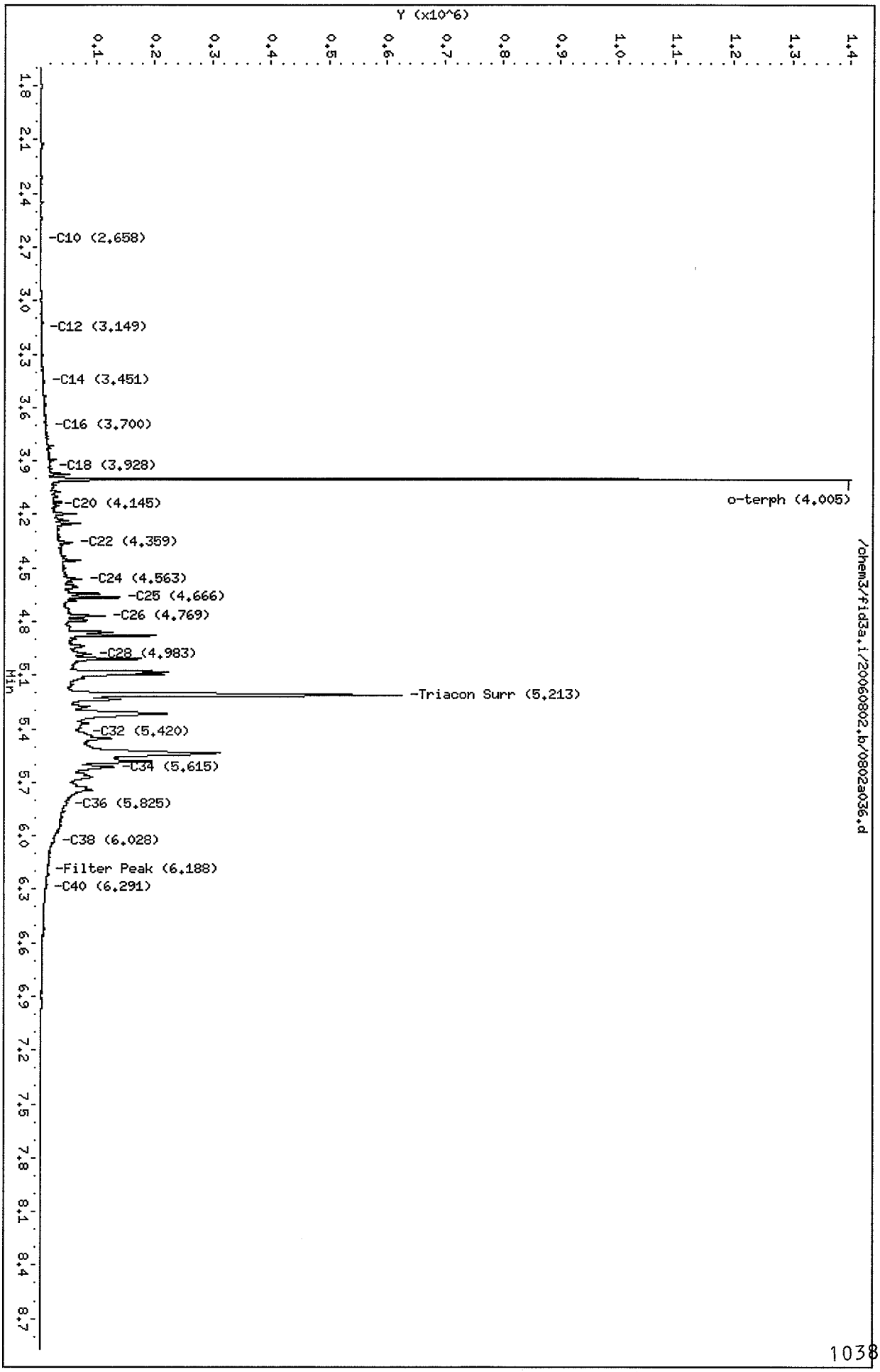
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.272	0.011	20290	60722	GAS (Tol-C12)	249812	12
C8	1.421	-0.028	28056	34243	DIESEL (C12-C24)	1785691	144
C10	2.658	-0.003	499	413	M.OIL (C24-C38)	6510925	690
C12	3.149	0.011	2318	2043	AK-102 (C10-C25)	1822167	126
C14	3.451	0.008	6543	5955	AK-103 (C25-C36)	6153104	969
C16	3.700	0.001	11143	8492			
C18	3.928	-0.002	18168	16019			
C20	4.145	0.000	27383	12761			
C22	4.359	0.004	55447	56972	STODDARD (C8-C12)	118136	8
C24	4.563	0.002	73122	56098			
C25	4.666	-0.001	137496	112226			
C26	4.769	-0.003	111725	114730			
C28	4.983	-0.001	88576	122516			
C32	5.420	0.004	78267	53288			
C34	5.615	-0.010	128170	171398			
Filter Peak	6.188	0.000	13765	4873			
C36	5.825	-0.004	46952.0	31750	o-Terph Surrogate Rec = 75.7%		(619974)
C38	6.028	-0.007	26173.0	22569	Triacon Surrogate Rec = 74.2%		(510324)
C40	6.291	0.005	11513	7193			
o-terph	4.005	0.001	1370882	619974	JET-A (C10-C18)	457184	39
Triacon Surr	5.213	0.004	543857	510324			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a036.d
Date : 02-AUG-2006 14:26
Client ID:
Sample Info: JQ36L
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



NWTPH-Dx Analysis
Standard Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ36

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

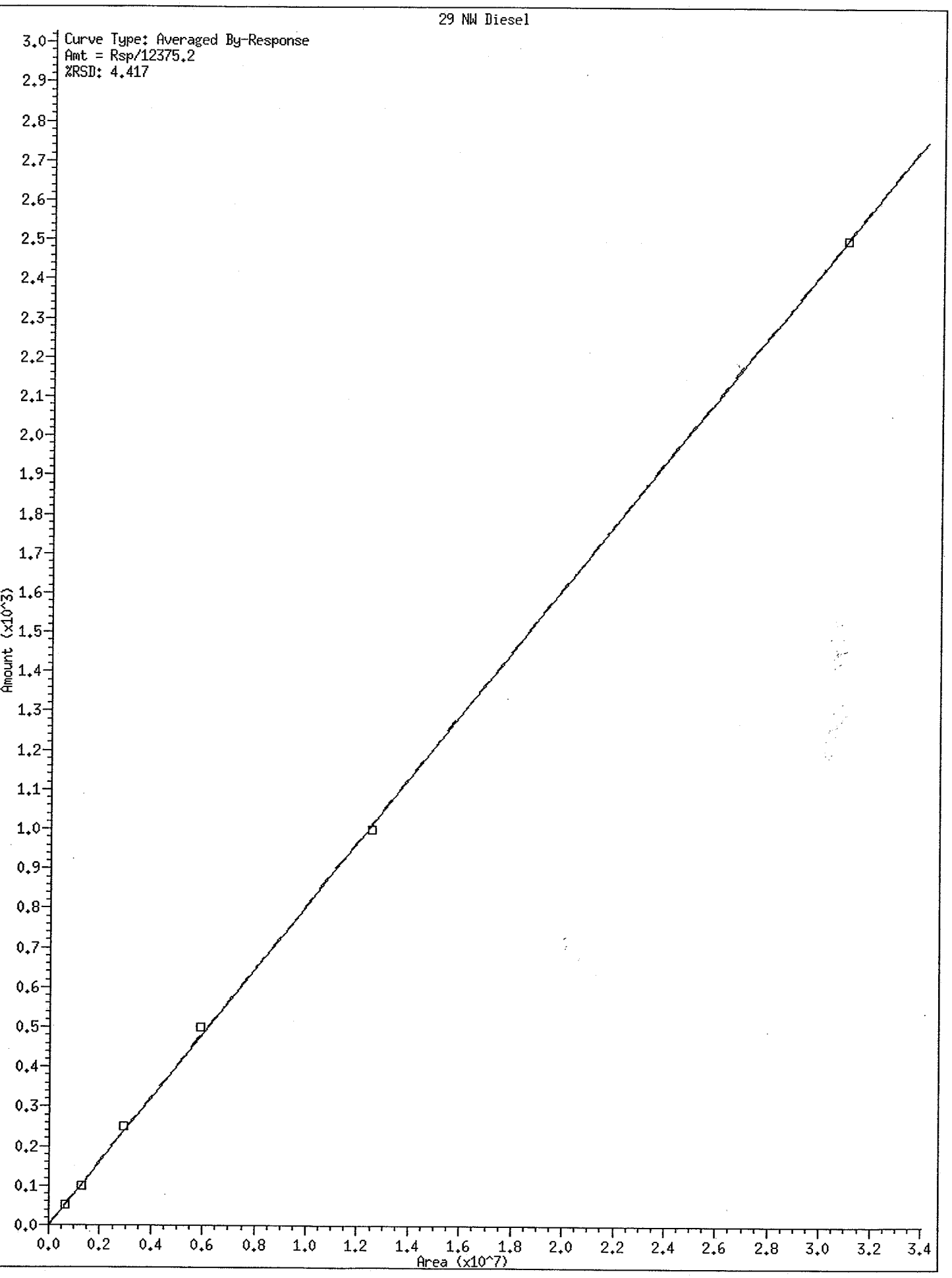
Calibration Date: 15-JUL-2006 SDG No.: JQ36

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
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Area (x10^7)
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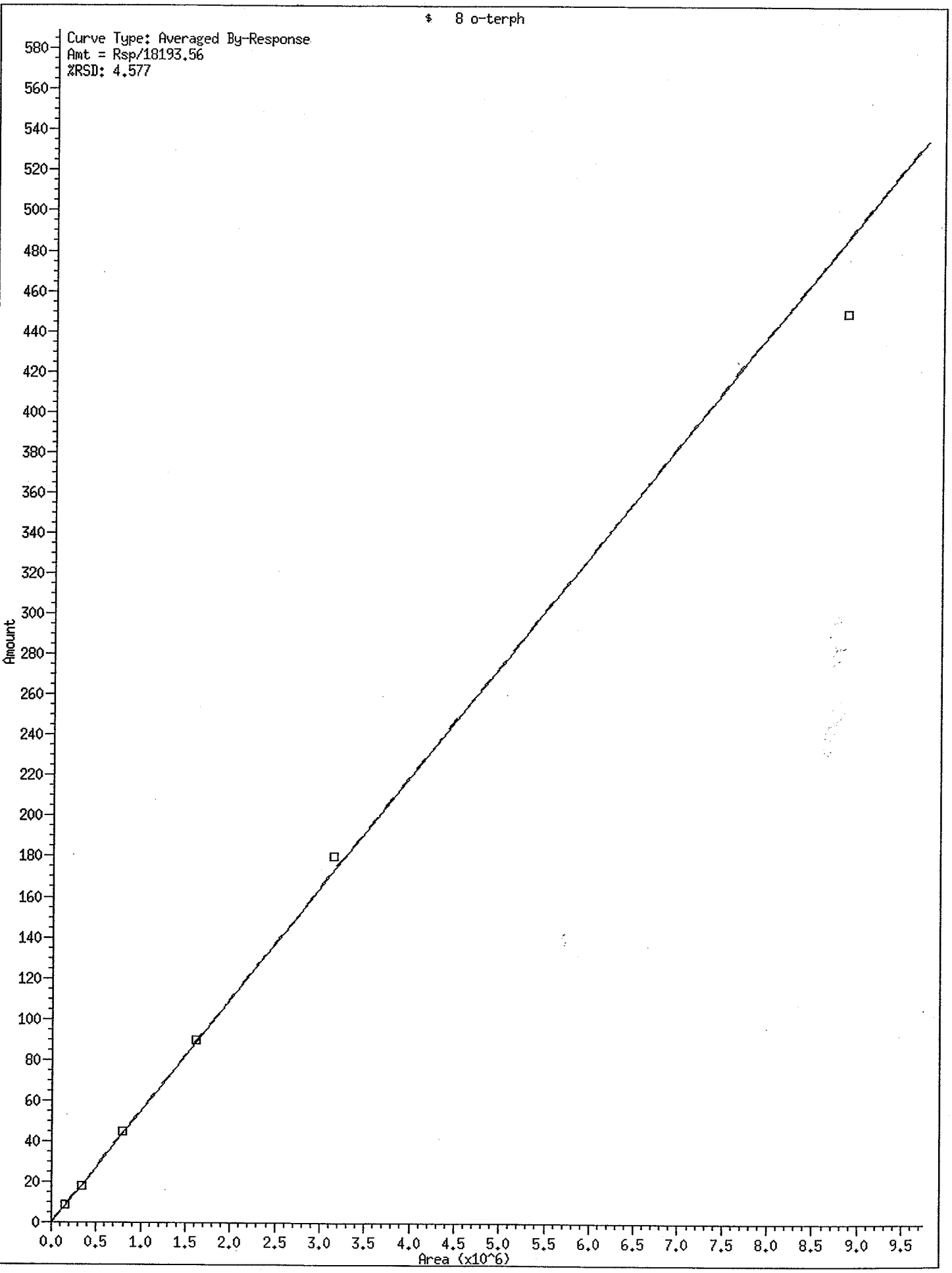
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2
3.4


$ 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
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0.5
1.0
1.5
2.0
2.5
3.0
3.5
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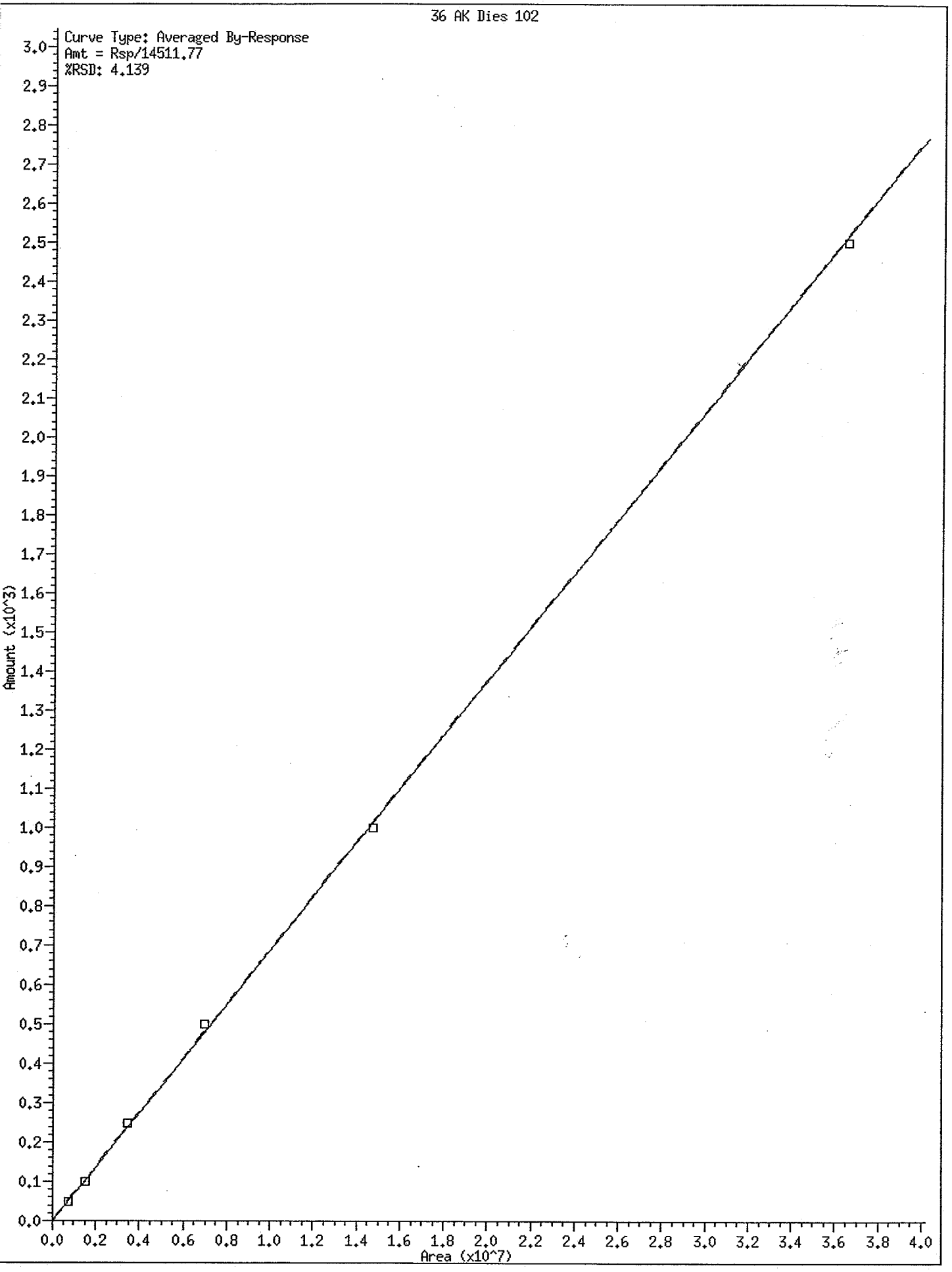
9.5


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
Method: /chem3/fid3a.i/20060715.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 07/18/2006
Macro: 15-MAR-2006

ARI ID: RT
Client ID:
Injection: 15-JUL-2006 14:49

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

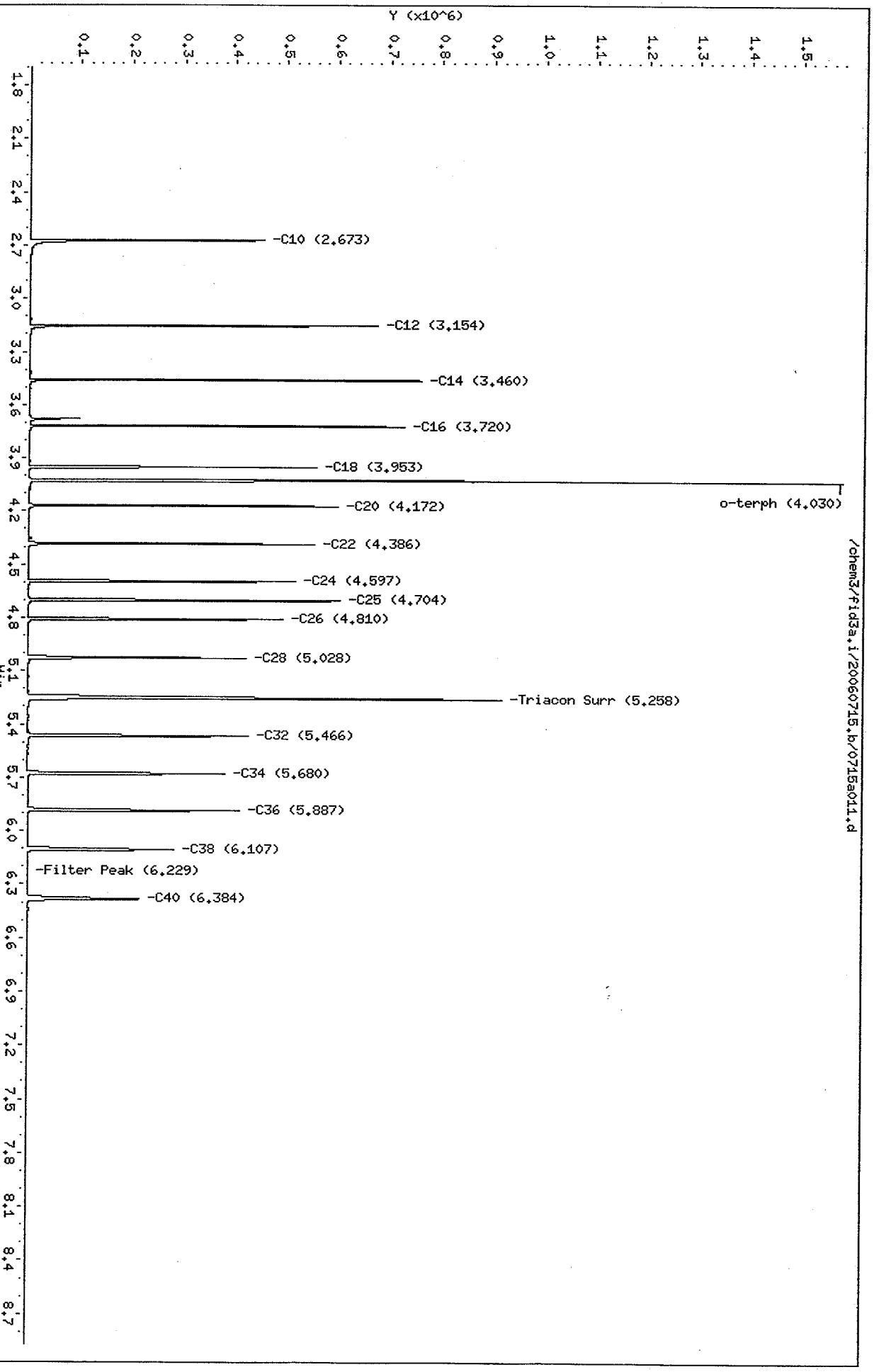
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.262	0.000	412228	340156	GAS (Tol-C12)	1001018	52
C8	1.450	0.000	250867	220714	DIESEL (C12-C24)	1466162	118
C10	2.673	0.000	453857	199354	M.OIL (C24-C38)	1787458	190
C12	3.154	0.000	676168	214543	AK-102 (C10-C25)	1893397	130
C14	3.460	0.000	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



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a012.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: IB
Client ID:
Injection: 15-JUL-2006 15:05

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)	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)

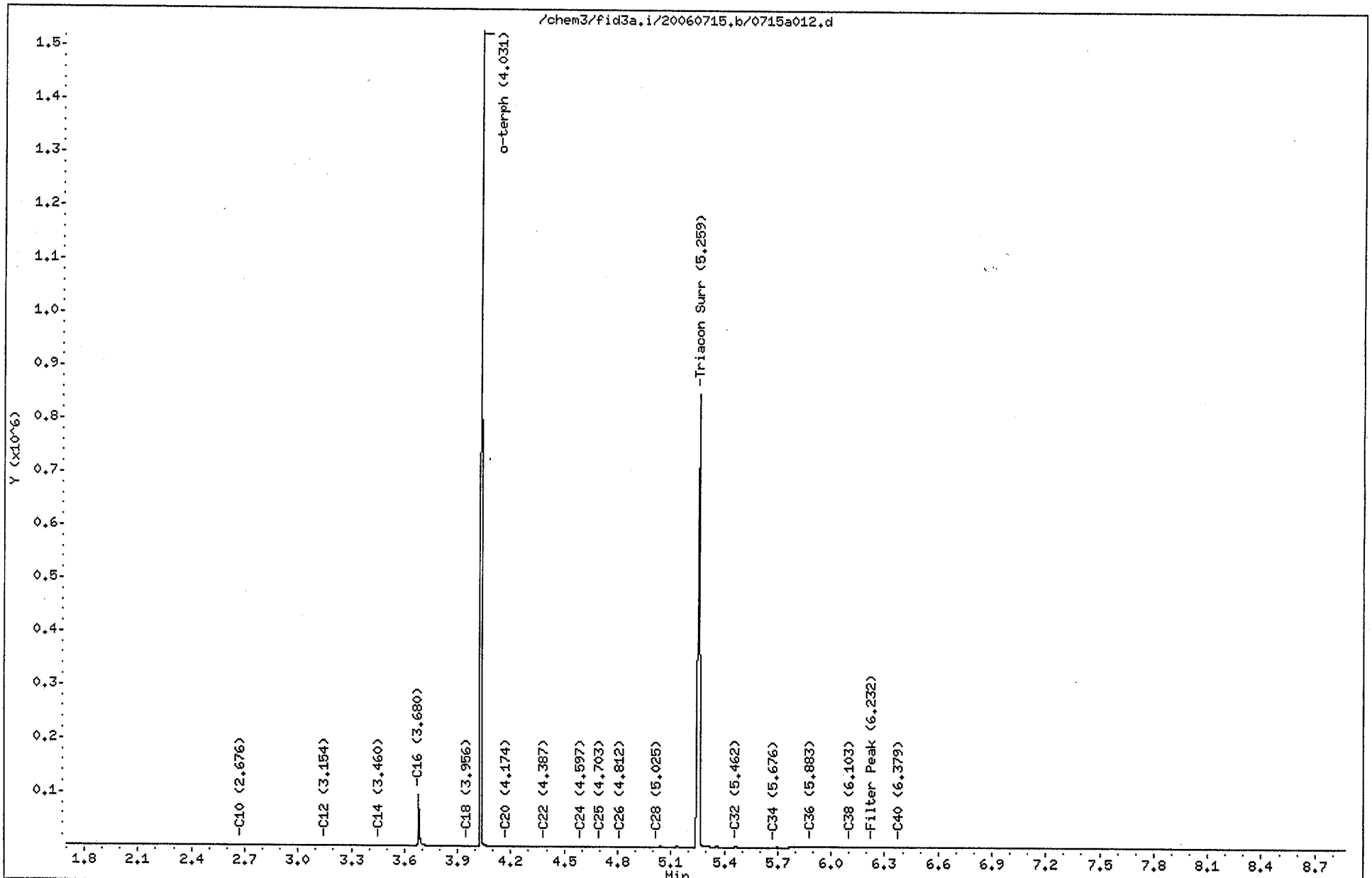
Data File: /chem3/fid3a.i/20060715.b/0715a012.d
Date : 15-JUL-2006 15:05
Client ID:
Sample Info: IB

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1047



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a014.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: 50 PPM DIESEL
Client ID:
Injection: 15-JUL-2006 15:37

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	1.269	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)

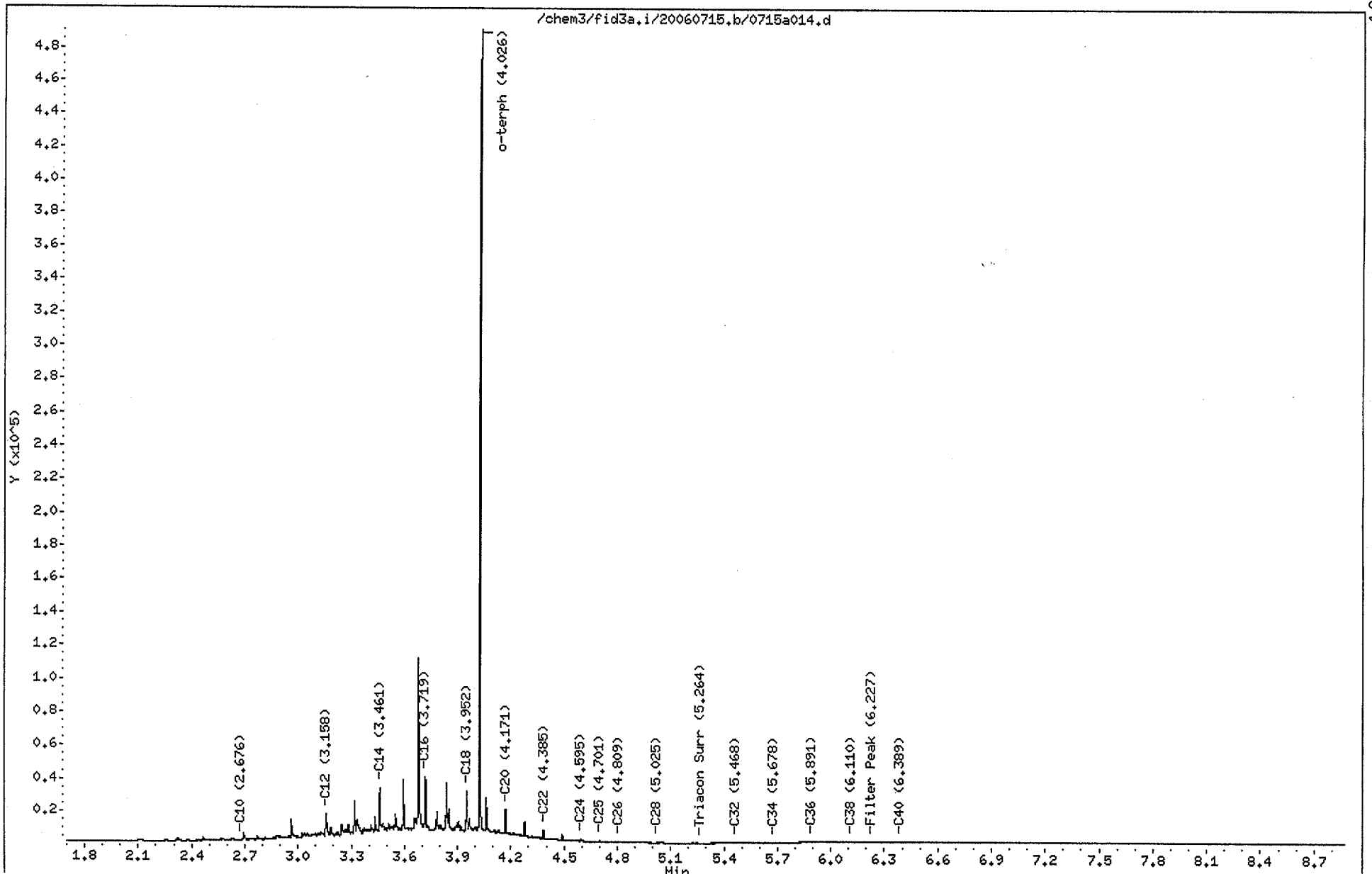
Data File: /chem3/fid3a.i/20060715.b/0715a014.d
Date : 15-JUL-2006 15:37
Client ID:
Sample Info: 50 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1049



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

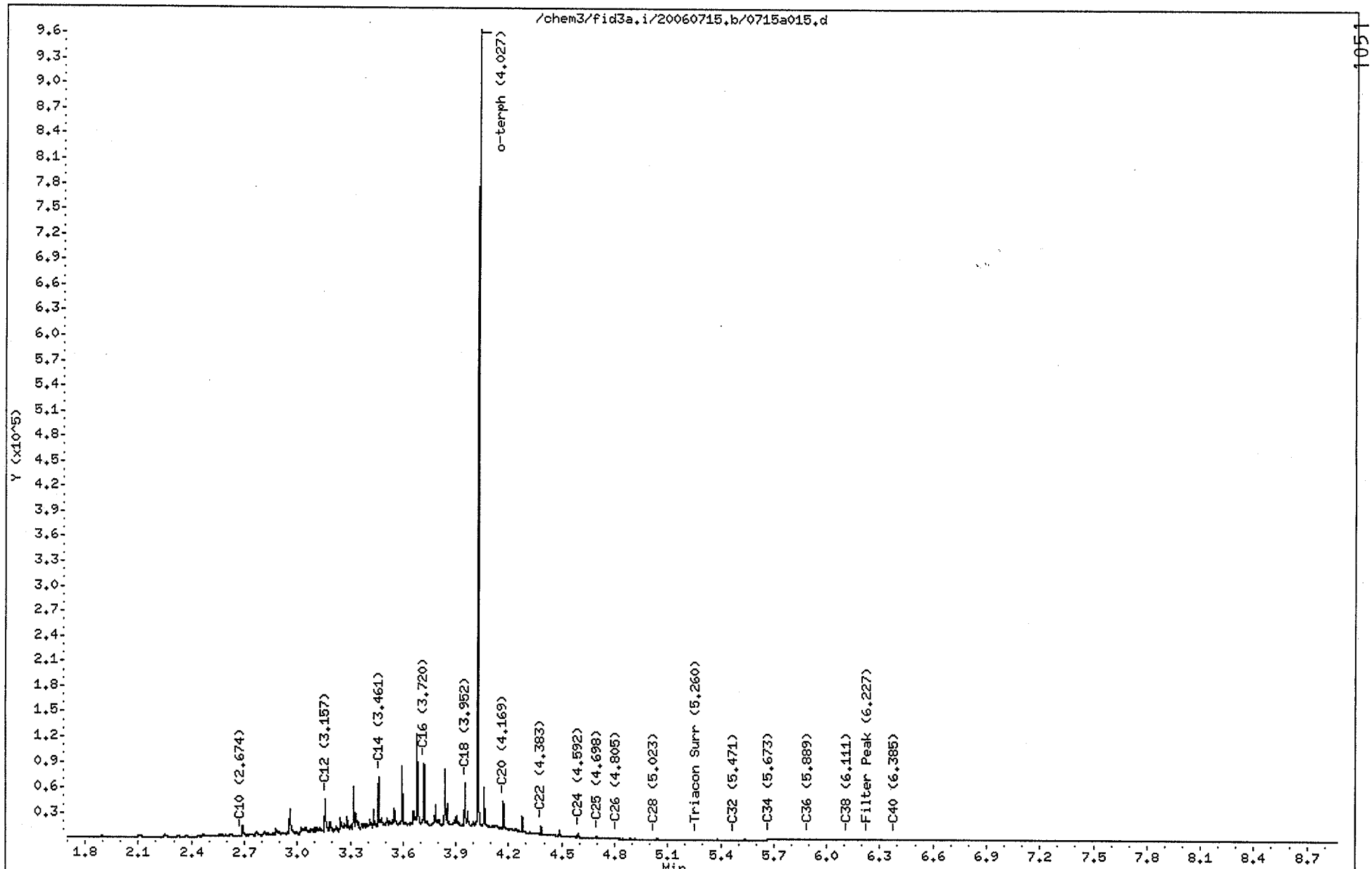
Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

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



1051

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

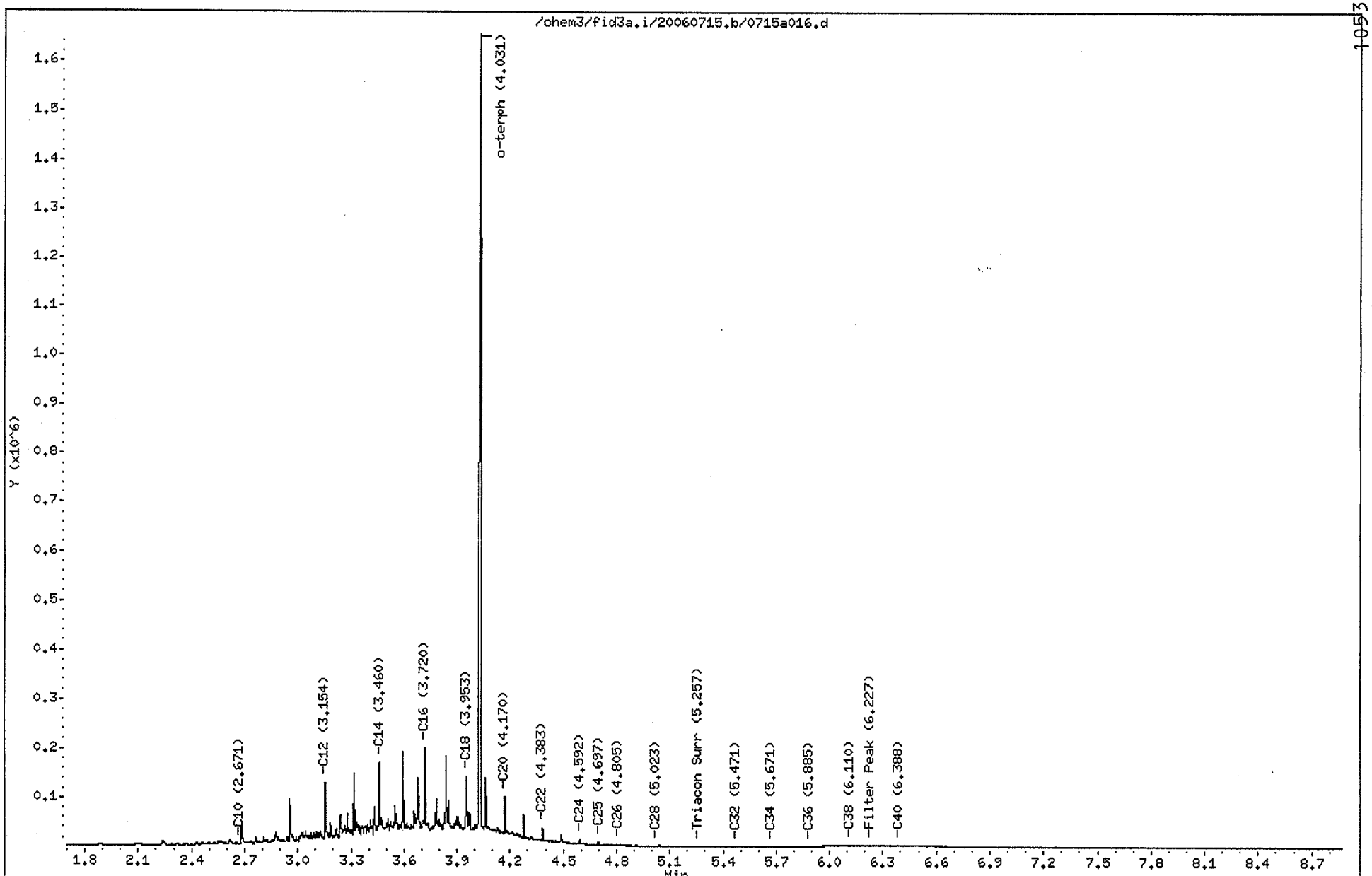
Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

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



1053

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:

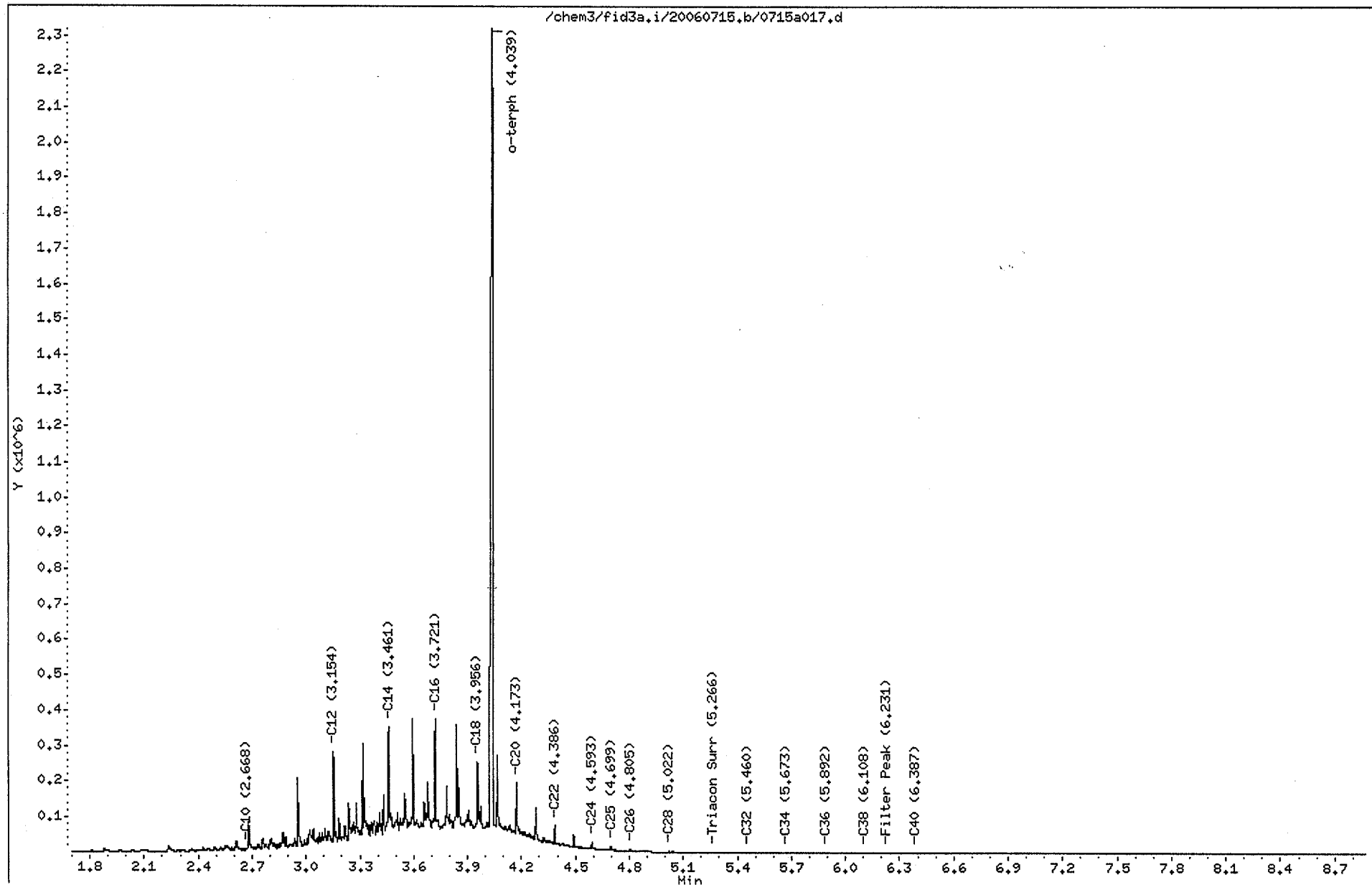
Sample Info: 500 PPM DIESEL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



1055

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a018.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 DIESEL
Client ID:
Injection: 15-JUL-2006 16:40

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	1.270	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

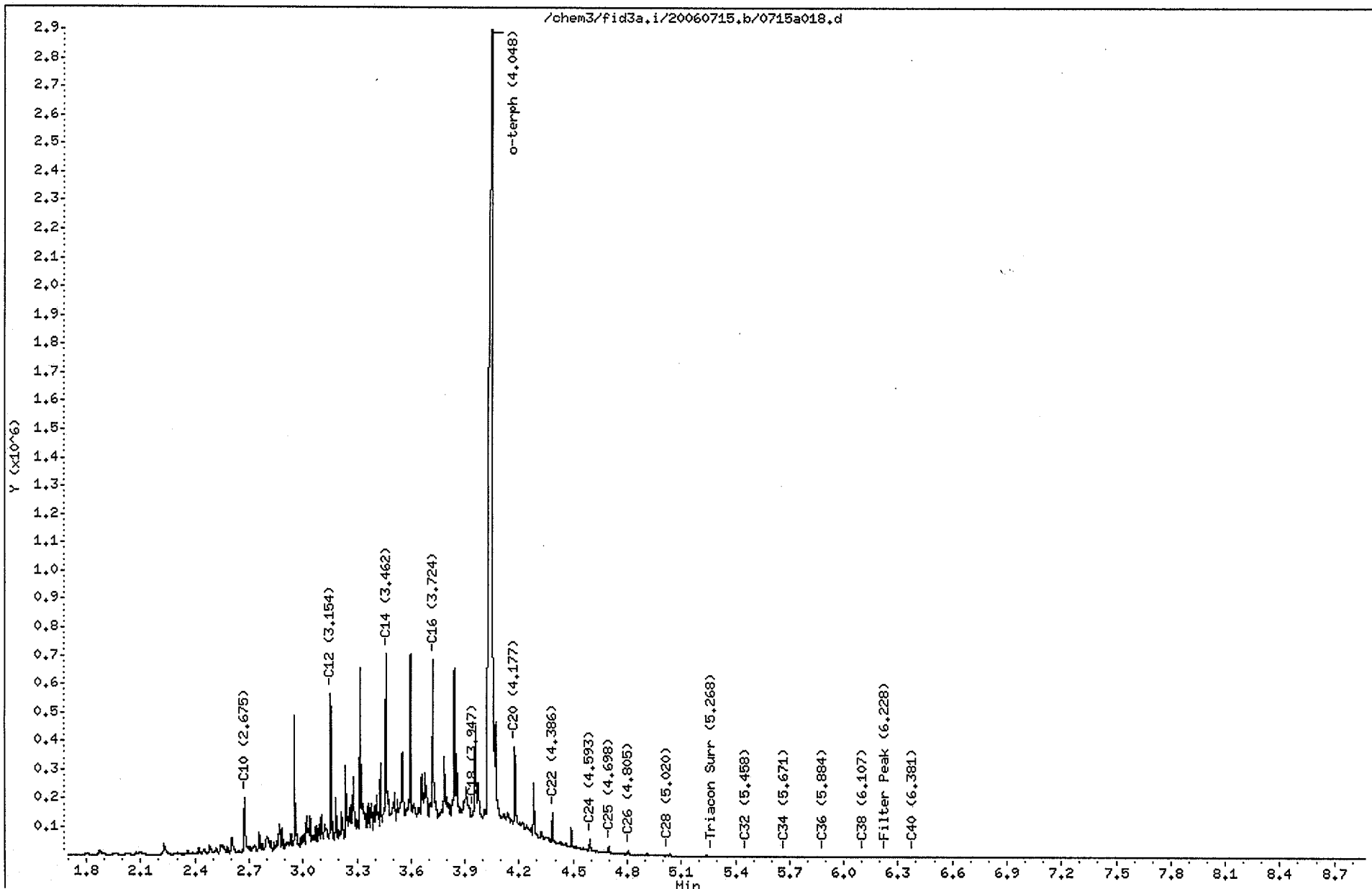
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1057



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a019.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 DIESEL
Client ID:
Injection: 15-JUL-2006 16:56

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	1.266	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

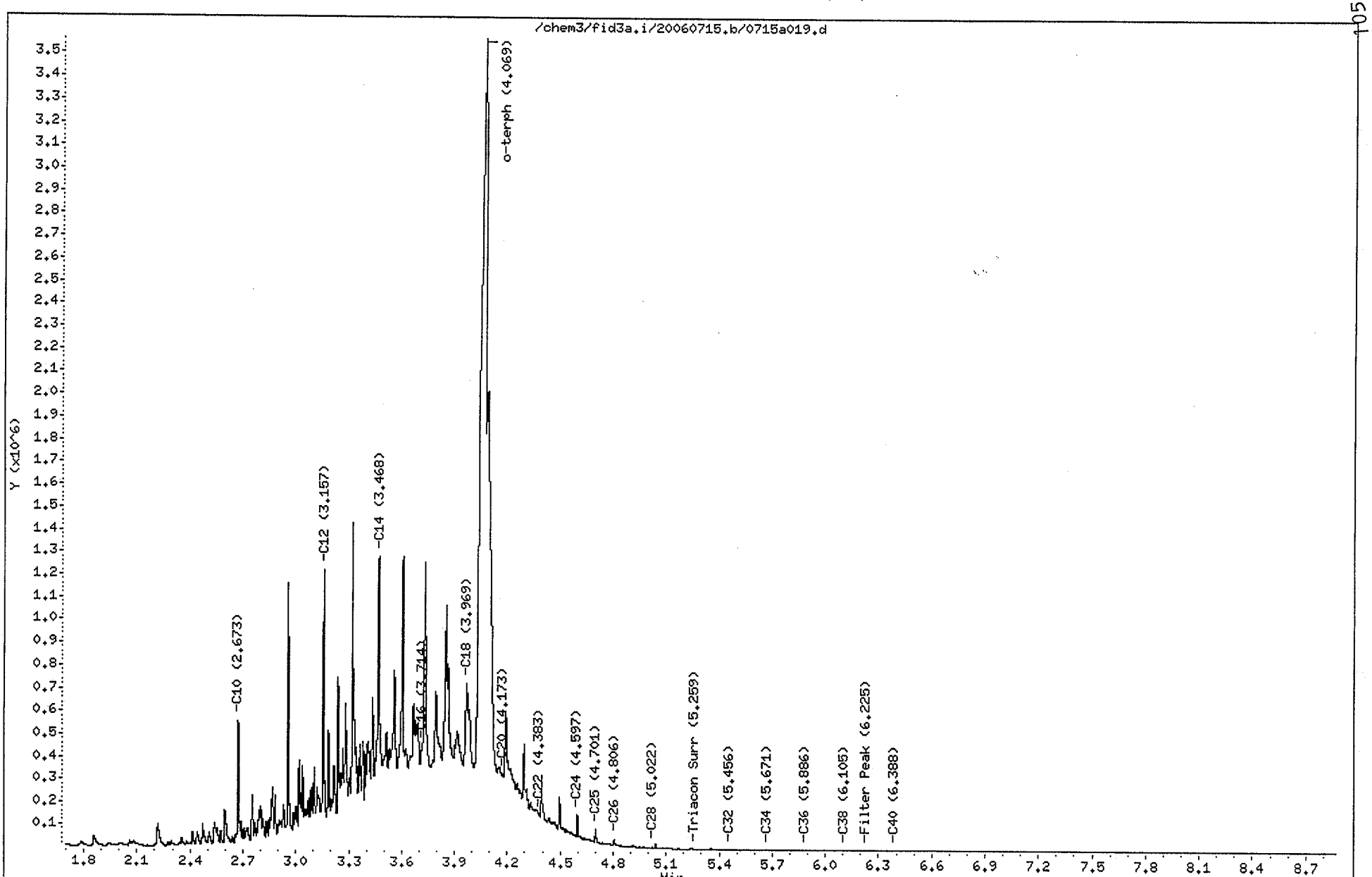
Range Times: NW Diesel(3.154 - 4.597) AK102(2.67 - 4.70) Jet A(2.67 - 3.95)
NW M.Oil(4.60 - 6.11) AK103(4.70 - 5.89) OR Diesel(2.67 - 5.03)

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



1059

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a020.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: DIESEL ICV
Client ID:
Injection: 15-JUL-2006 17:12

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	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			

MR 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

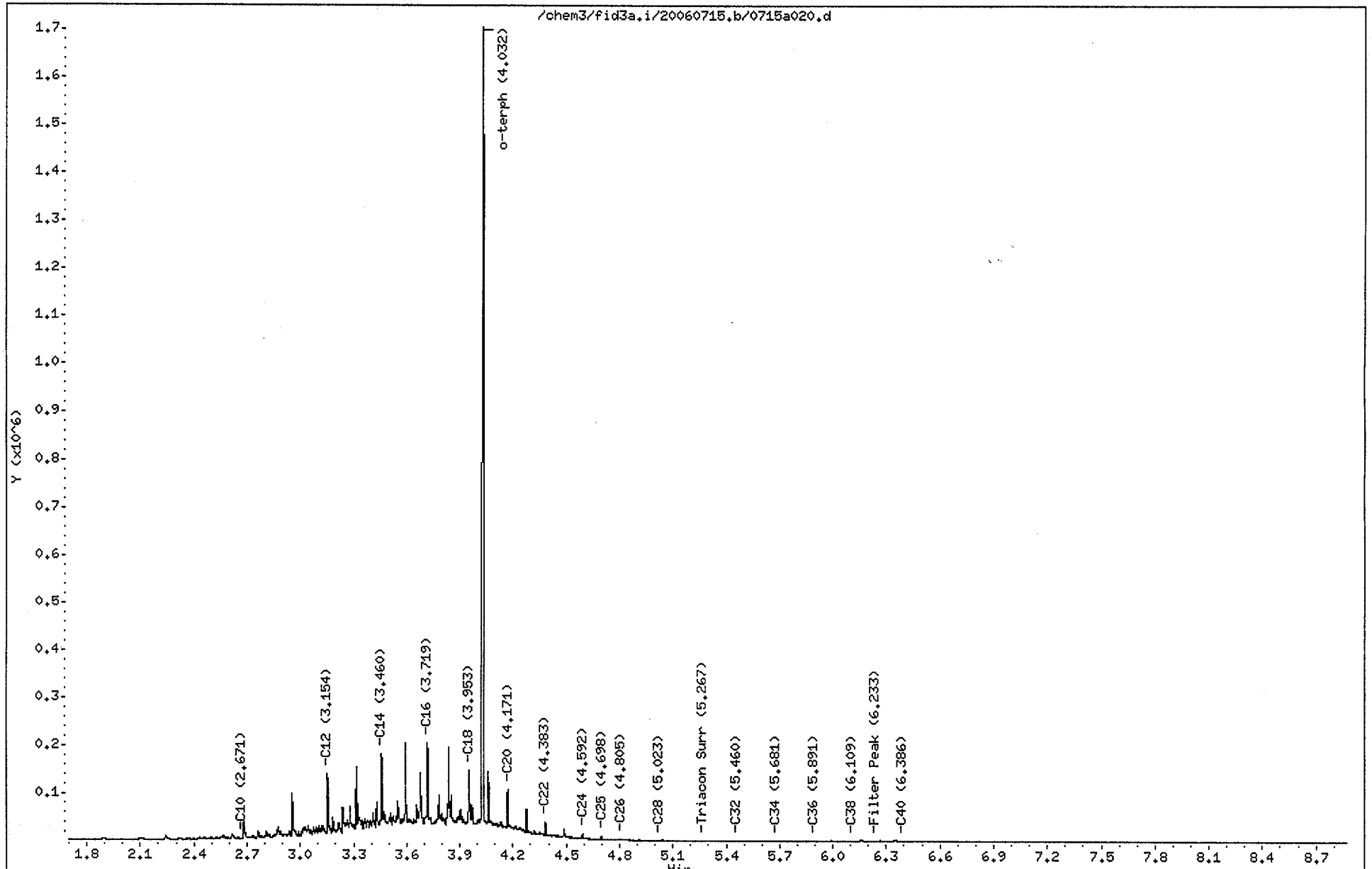
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1061



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.: JQ36

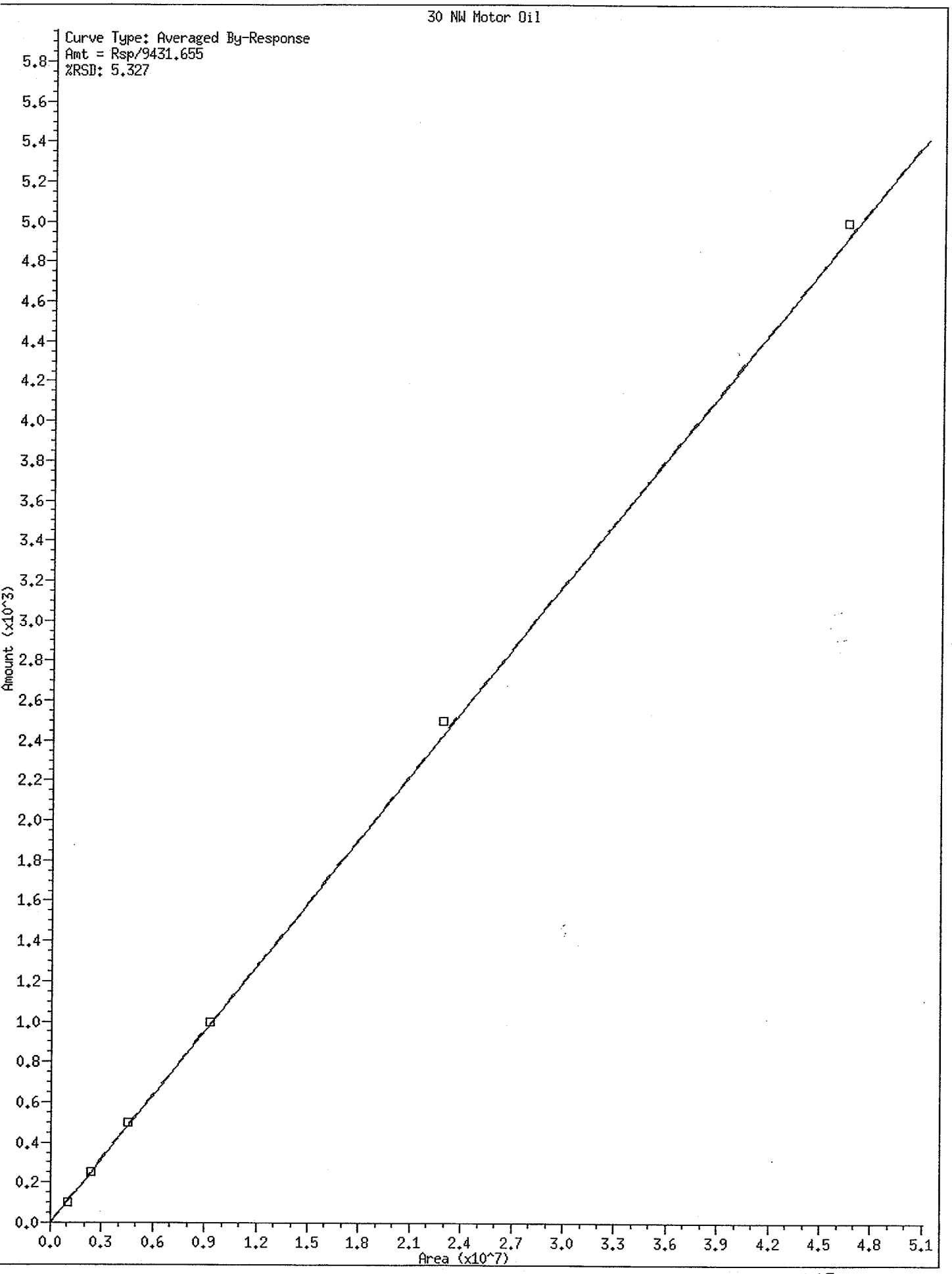
Motor Oil Range	RF1 100	RF2 250	RF3 500	RF4 1000	RF5 2500	RF6 5000	Ave RF	%RSD
WA M.Oil	10416	9440	9025	9278	9144	9288	9432	5.3
AK M.Oil	8382	7654	7369	7434	7314	7511	7611	5.2
OR M.Oil	9568	8404	8110	8408	8311	8185	8498	6.3
Triac Surr	15688	15428	14864	15176	15100	15407	15277	1.9

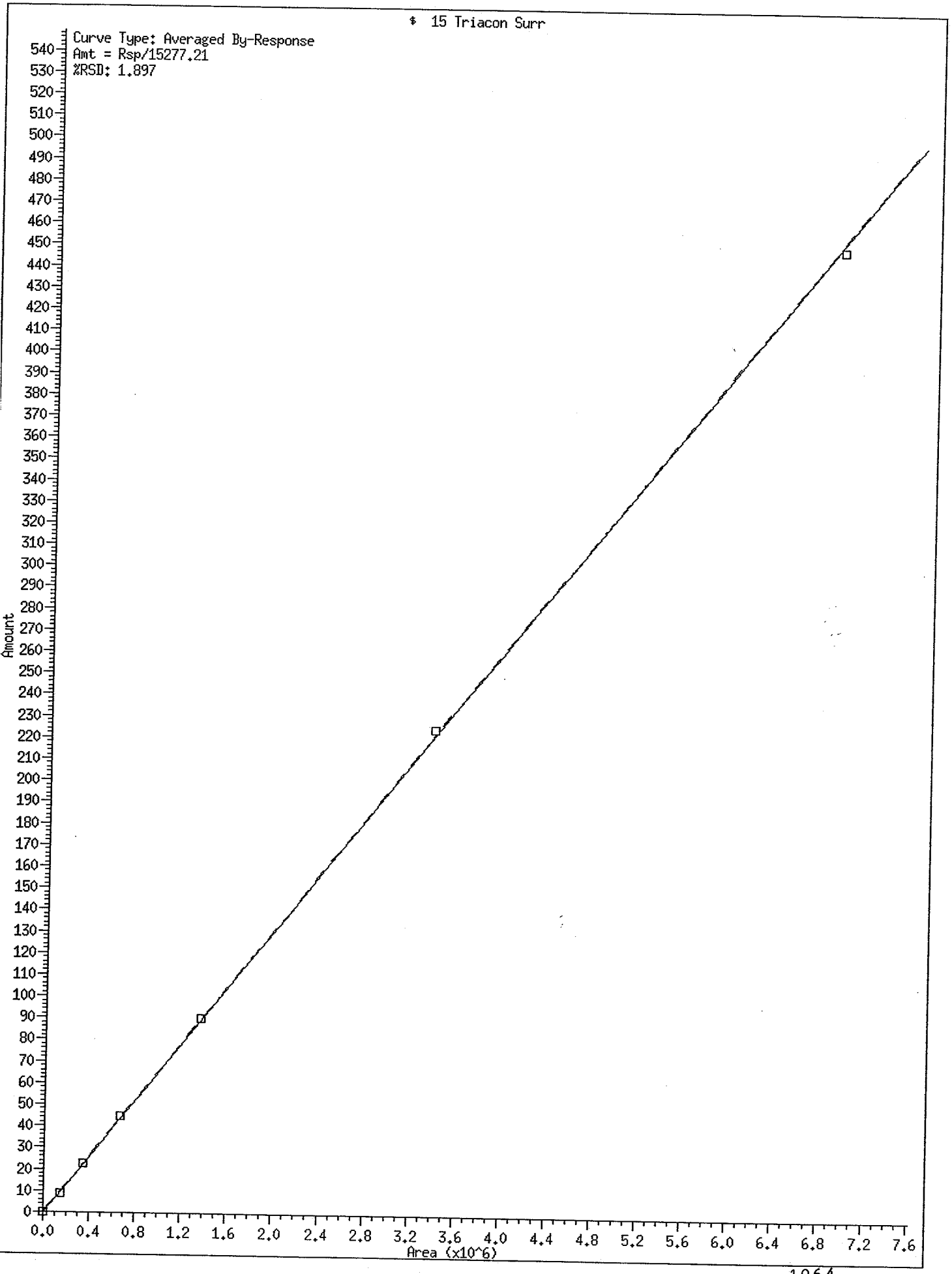
<- Indicates %RSD outside limits
Surrogate areas are not included in Motor Oil RF calculation.

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)

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)

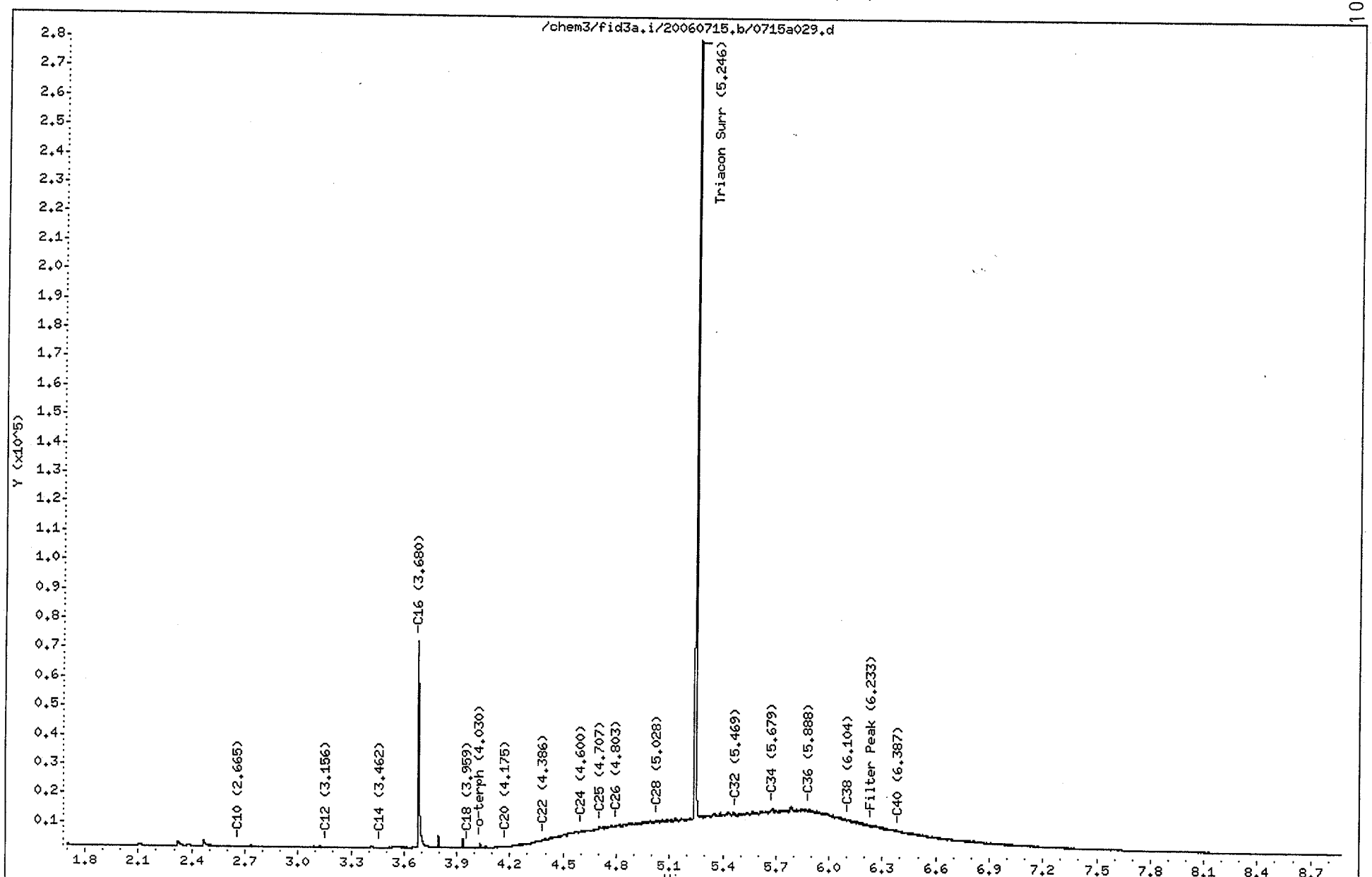
Data File: /chem3/fid3a.i/20060715.b/0715a029.d
Date : 15-JUL-2006 19:35
Client ID:
Sample Info: 100 PPM MOIL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1066



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a030.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 MOIL
Client ID:
Injection: 15-JUL-2006 19:50

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)	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)

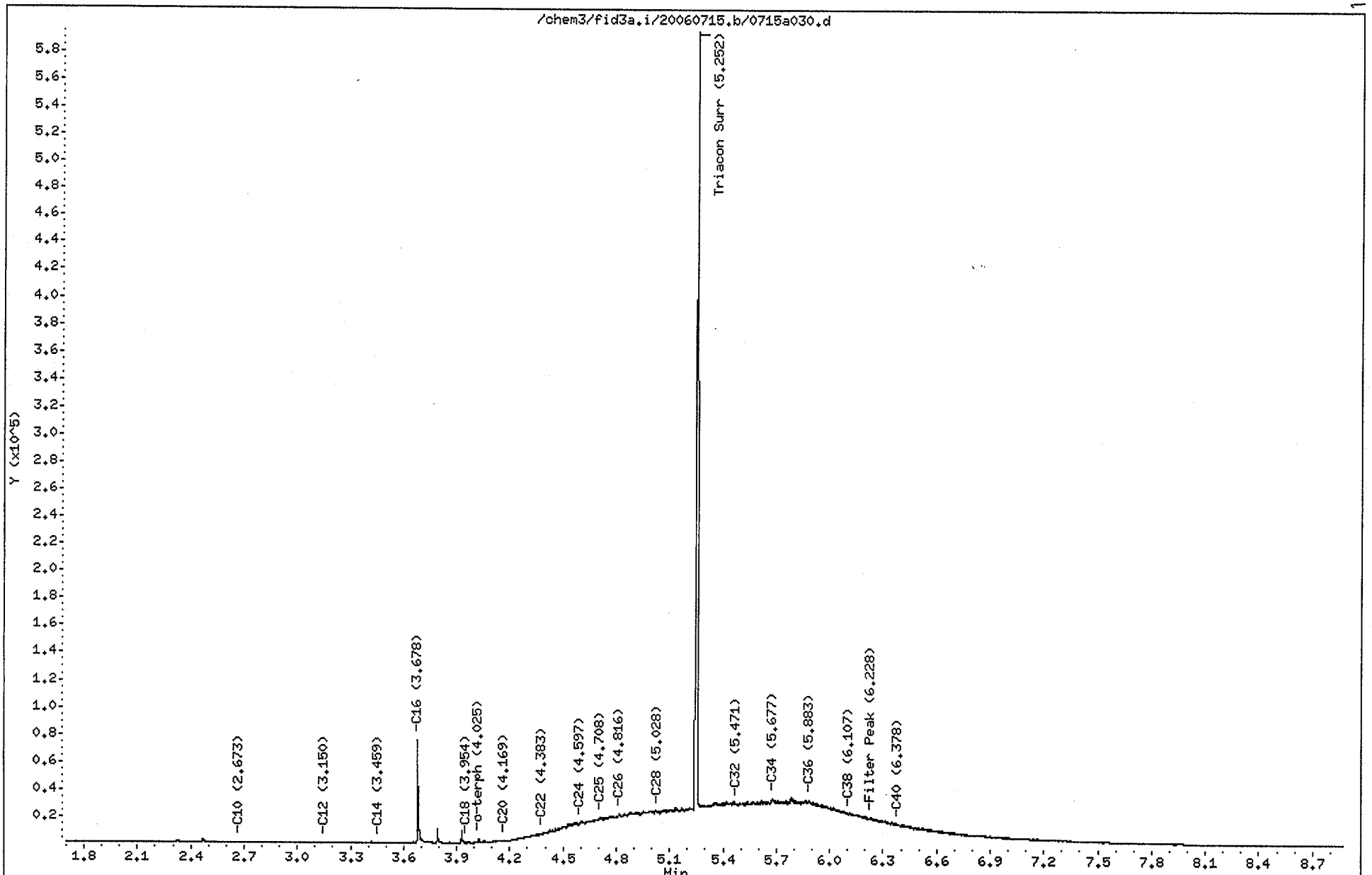
Data File: /chem3/fid3a.i/20060715.b/0715a030.d
Date : 15-JUL-2006 19:50
Client ID:
Sample Info: 250 PPM MOIL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1068



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

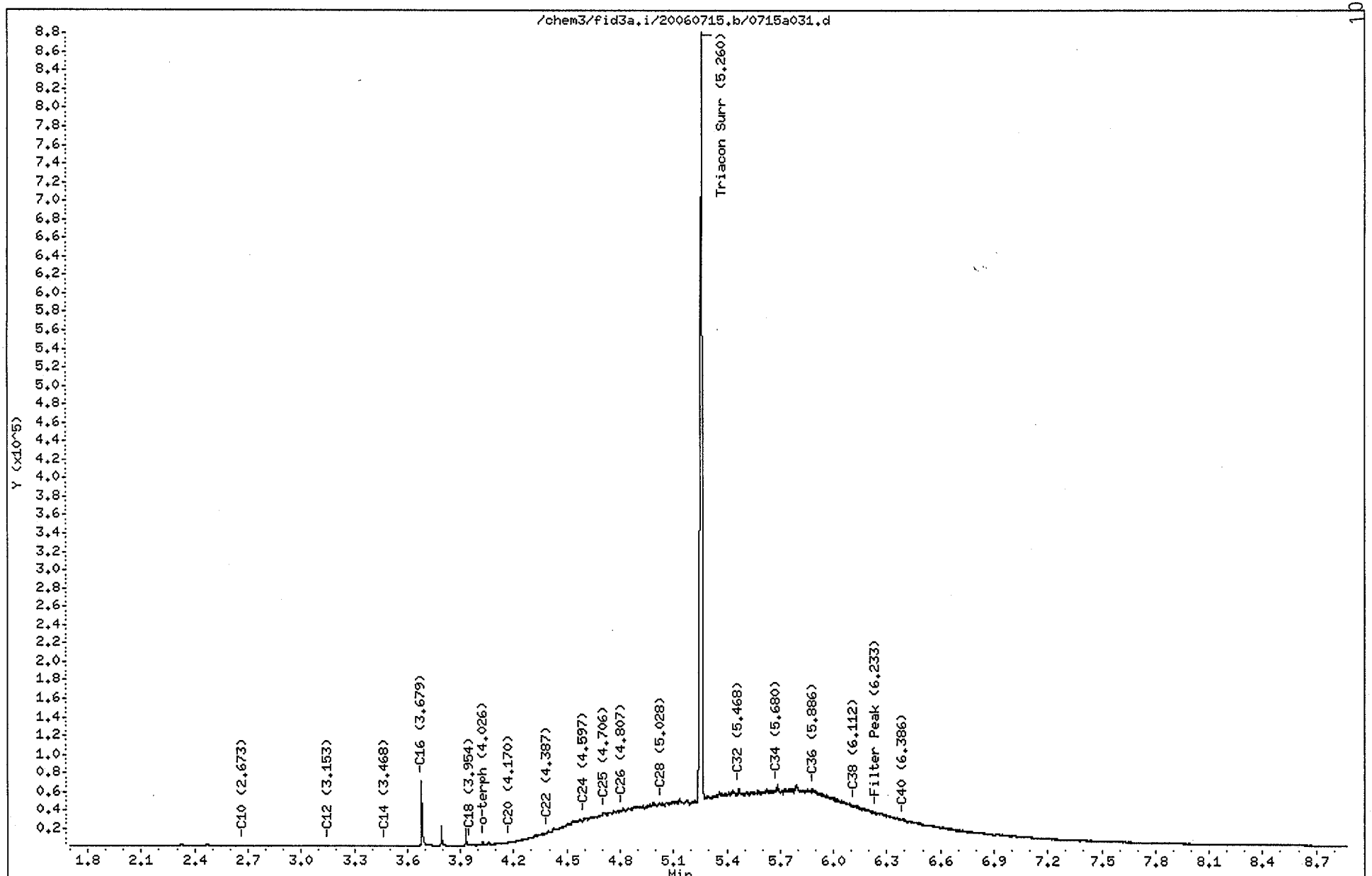
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1070



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)

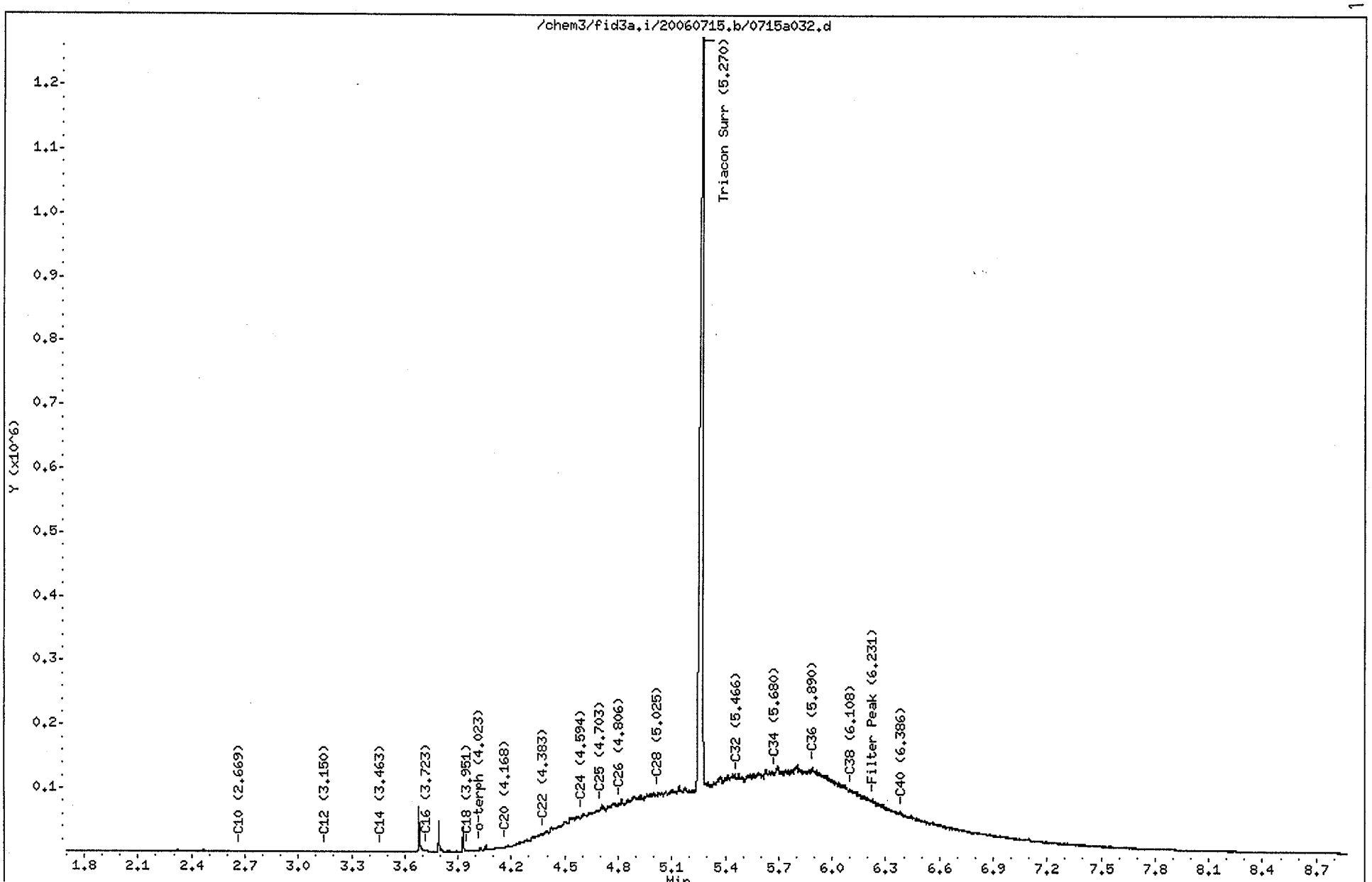
Data File: /chem3/fid3a.i/20060715.b/0715a032.d
Date : 15-JUL-2006 20:22
Client ID:
Sample Info: 1000 PPM MOIL

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1072



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

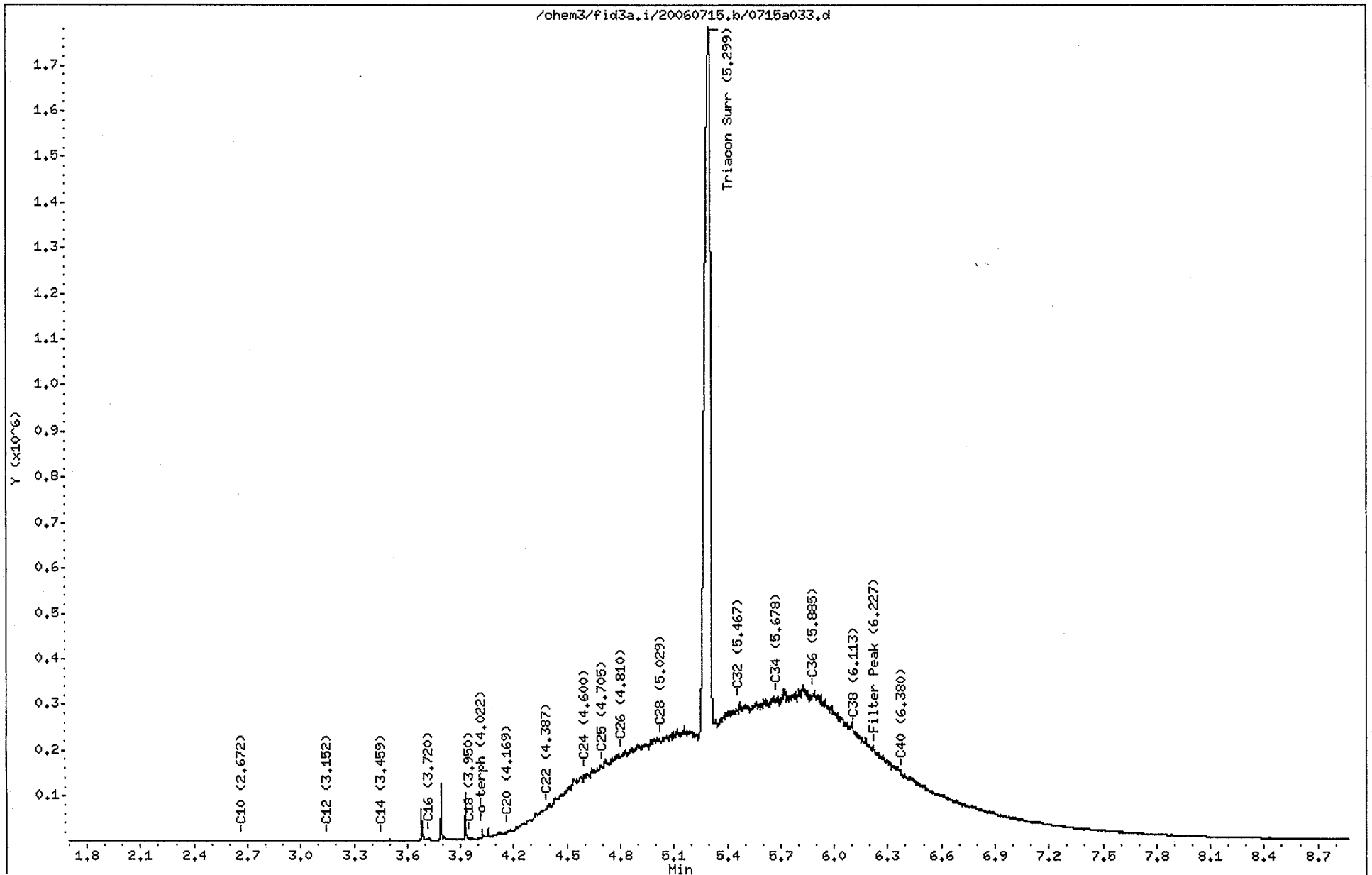
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1074



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

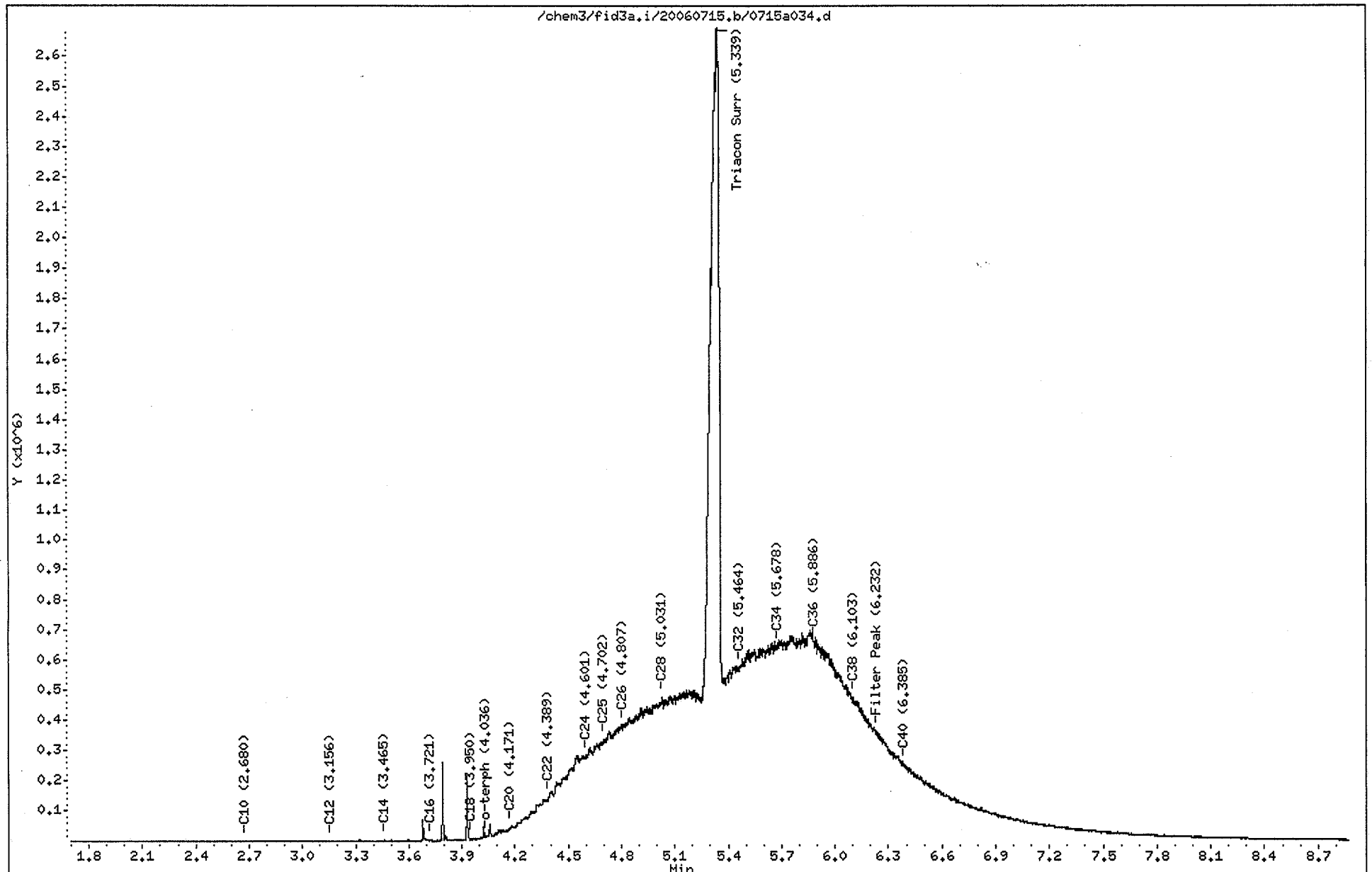
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1076



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060715.b/0715a035.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: MOIL ICV
Client ID:
Injection: 15-JUL-2006 21:09

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

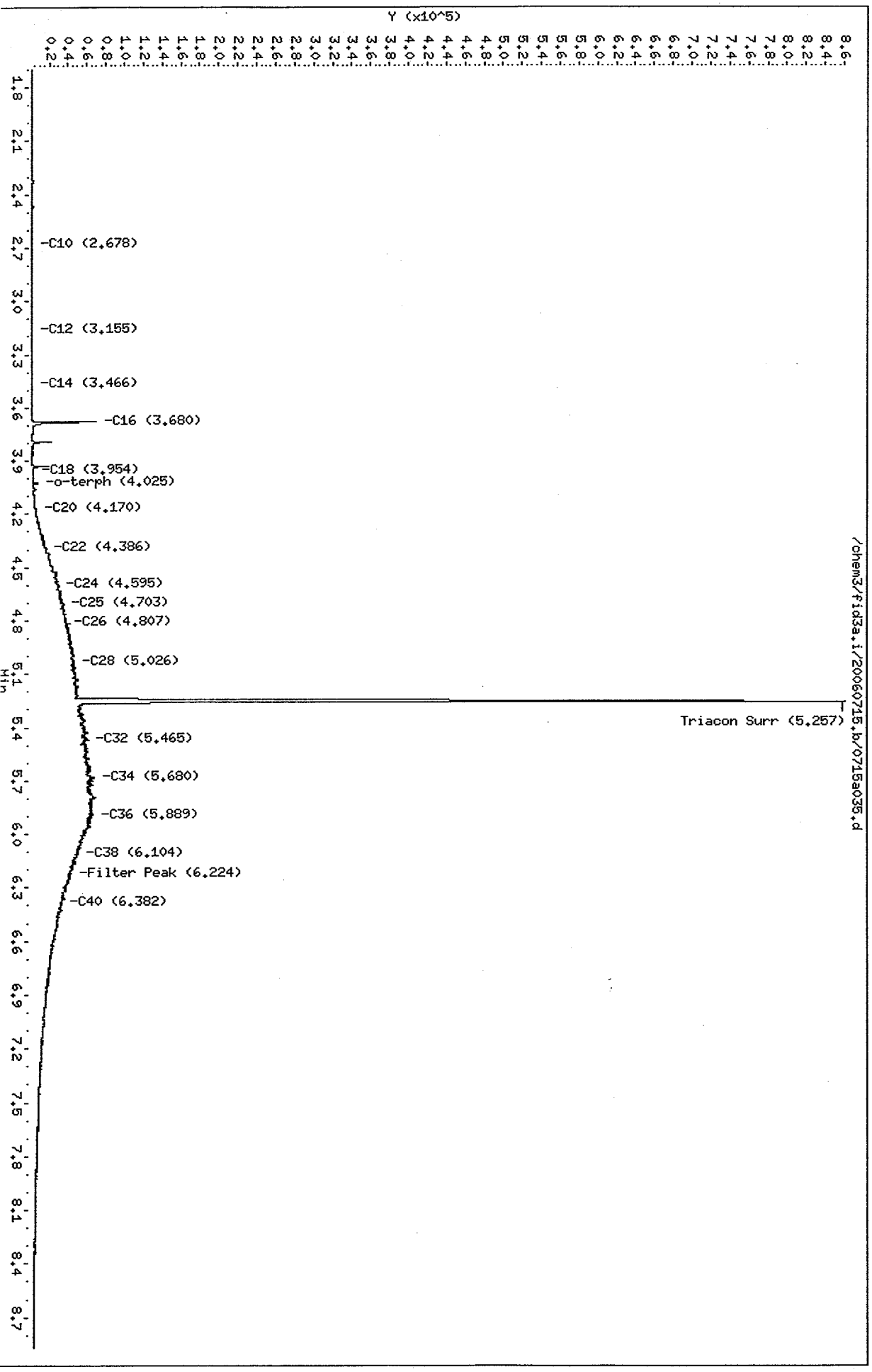
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	15110	1
C8	1.449	-0.001	709	762	DIESEL (C12-C24)	530817	43
C10	2.678	0.005	77	20	M.OIL (C24-C38)	4525768	480
C12	3.155	0.001	236	201	AK-102 (C10-C25)	552589	38
C14	3.466	0.006	296	113	AK-103 (C25-C36)	3840248	605
C16	3.680	-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			

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/0715a035.d
Date : 15-JUL-2006 21:09
Client ID:
Sample Info: MOIL ICV
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a002.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: RT
Client ID:
Injection: 02-AUG-2006 05:39
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

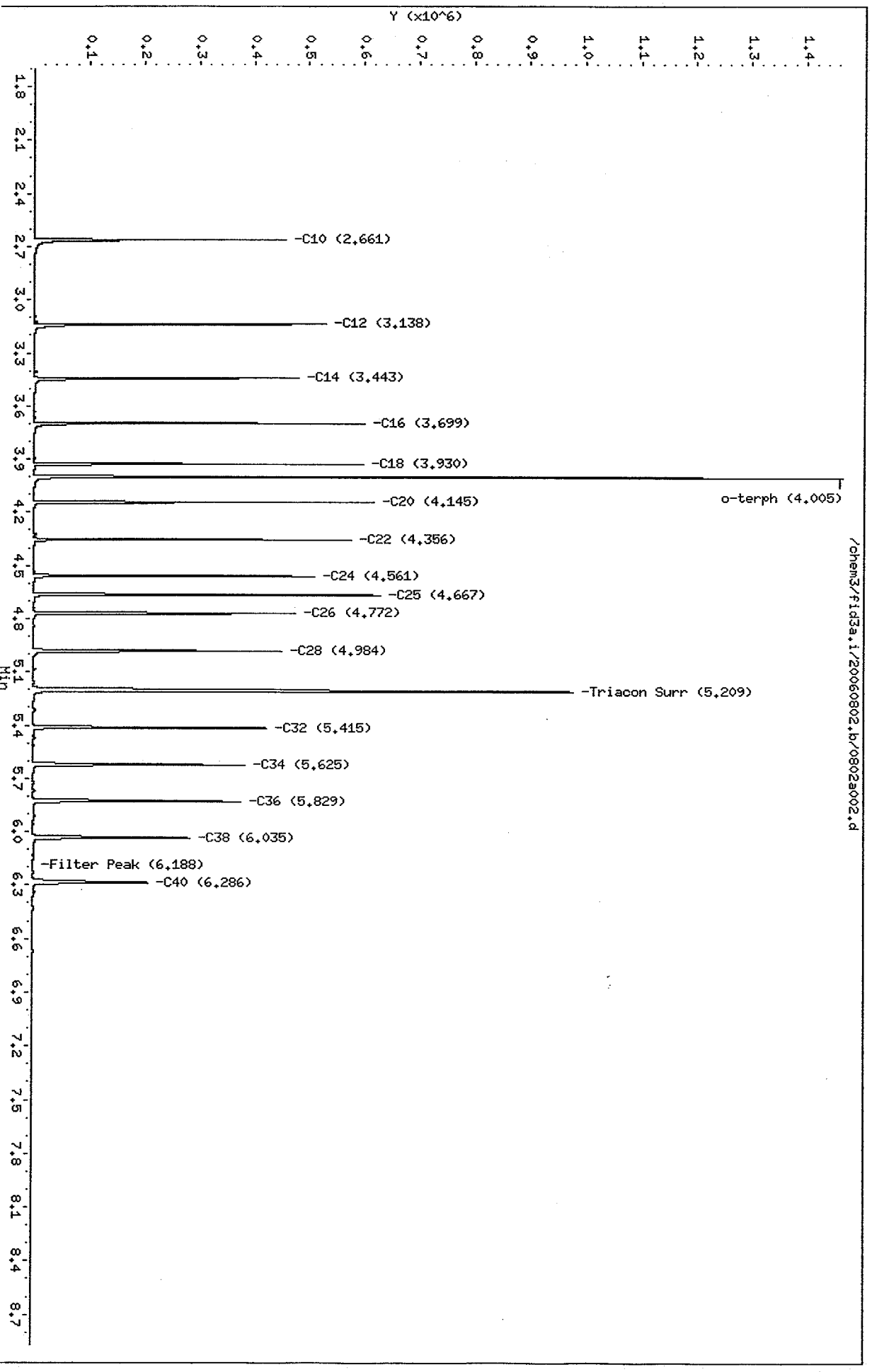
FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.261	0.000	559934	321531	GAS (Tol-C12)	991988	50
C8	1.449	0.000	293860	205343	DIESEL (C12-C24)	1421665	115
C10	2.661	0.000	454230	197938	M.OIL (C24-C38)	1789049	190
C12	3.138	0.000	528704	211960	AK-102 (C10-C25)	1849296	127
C14	3.443	0.000	479134	218196	AK-103 (C25-C36)	1565214	247
C16	3.699	0.000	599276	226809			
C18	3.930	0.000	597149	230768			
C20	4.145	0.000	615832	234736			
C22	4.356	0.000	575769	236652	STODDARD (C8-C12)	654412	44
C24	4.561	0.000	509109	241507			
C25	4.667	0.000	629404	320080			
C26	4.772	0.000	474549	242761			
C28	4.984	0.000	449989	236945			
C32	5.415	0.000	423324	240083			
C34	5.625	0.000	382936	235241			
Filter Peak	6.188	0.000	1143	2099			
C36	5.829	0.000	376473.0	241172	o-Terph Surrogate Rec = 90.2%		(738405)
C38	6.035	0.000	282991.0	204269	Triacon Surrogate Rec = 107.0%		(735912)
C40	6.286	0.000	207364	174658			
o-terph	4.005	0.000	1464518	738405	JET-A (C10-C18)	1121464	97
Triacon Surr	5.209	0.000	978536	735912			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a002.d
Date : 02-AUG-2006 05:39
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/20060802.b/0802a003.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: IB
Client ID:
Injection: 02-AUG-2006 05:54
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)	21101	1
C8	1.450	0.001	1011	784	DIESEL (C12-C24)	45236	4
C10	2.659	-0.002	43	18	M.OIL (C24-C38)	64176	7
C12	3.128	-0.010	2263	1405	AK-102 (C10-C25)	50681	3
C14	3.441	-0.002	263	140	AK-103 (C25-C36)	52123	8
C16	3.696	-0.003	587	421			
C18	3.929	-0.001	1089	717			
C20	4.158	0.013	1168	2086			
C22	4.363	0.007	3456	2837	STODDARD (C8-C12)	21101	1
C24	4.565	0.003	1499	1496			
C25	4.667	-0.001	1886	1172			
C26	4.770	-0.002	1594	1676			
C28	4.978	-0.006	2062	1697			
C32	5.410	-0.006	2348	2173			
C34	5.624	-0.001	4602	3565			
Filter Peak	6.194	0.006	718	359			
C36	5.831	0.002	1244.0	1908	o-Terph Surrogate Rec = 87.5%	(716299)	
C38	6.037	0.002	1363.0	1680	Triacon Surrogate Rec = 103.1%	(708977)	
C40	6.289	0.003	1243	2673			
o-terph	4.003	-0.002	1461424	716299	JET-A (C10-C18)	22340	2
Triacon Surr	5.208	-0.001	871719	708977			

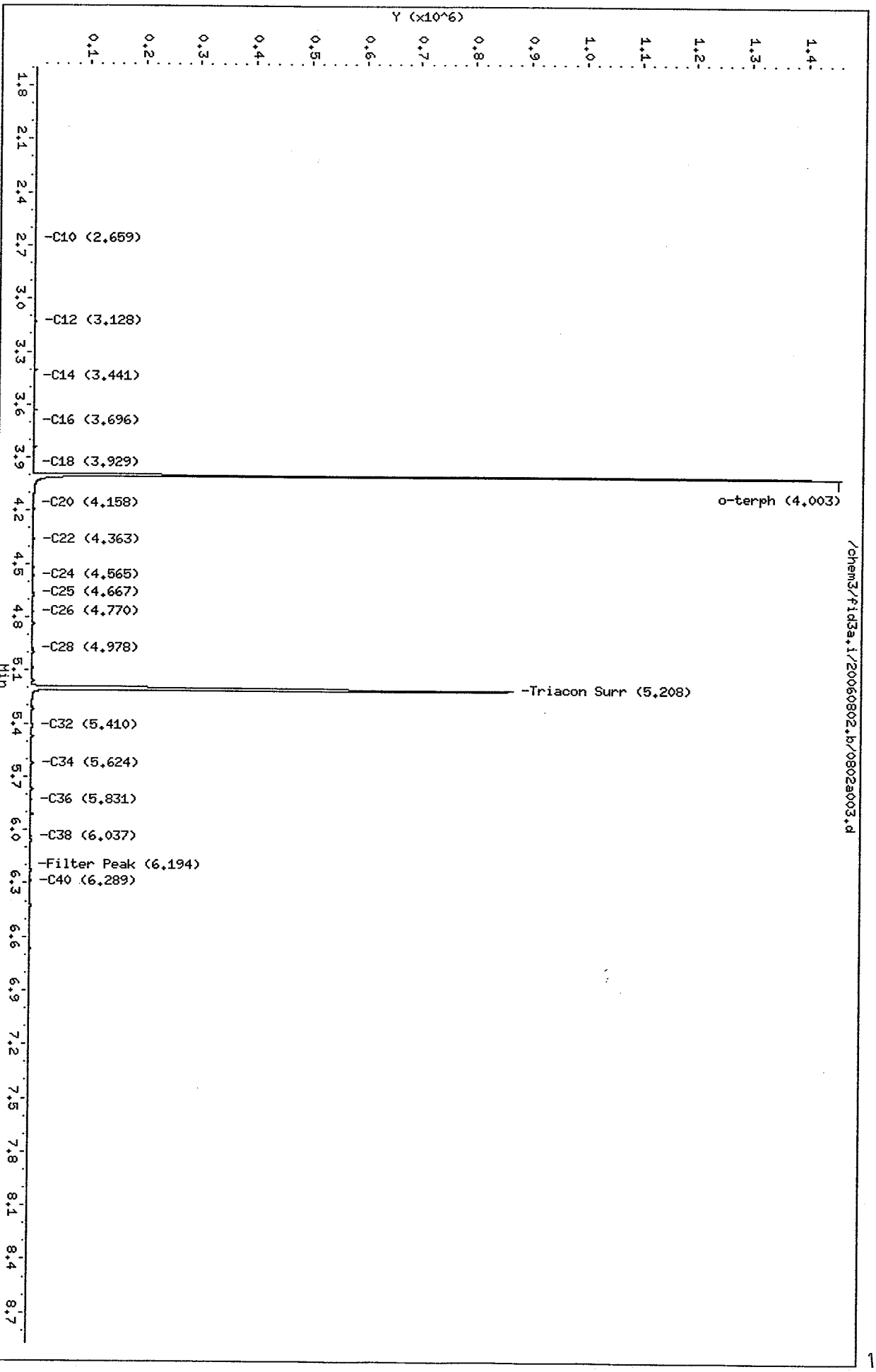
Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a003.d
Date : 02-AUG-2006 05:54
Client ID:
Sample Info: IB

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25



7a
DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 06:09
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: DIESEL#1
Lab File Name: 0802a004.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3078647	248.8	250	-0.5
AK102 (C10-C25)	3611659	248.9	250	-0.4
Terphenyl	825960	45.4	45	0.9

* 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/20060802.b/0802a004.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: DIESEL#1
Client ID:
Injection: 02-AUG-2006 06:09

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	1.270	0.008	10252	14168	GAS (Tol-C12)	704008	35
C8	1.466	0.017	5202	5811	DIESEL (C12-C24)	3078647	249
C10	2.657	-0.004	4434	2730	M.OIL (C24-C38)	125452	13
C12	3.141	0.003	125354	55714	AK-102 (C10-C25)	3611659	249
C14	3.444	0.001	173911	79809	AK-103 (C25-C36)	112120	18
C16	3.698	-0.001	199369	88706			
C18	3.928	-0.001	146783	88594			
C20	4.143	-0.002	103973	48977			
C22	4.352	-0.003	37960	20085	STODDARD (C8-C12)	671682	45
C24	4.558	-0.003	14254	15370			
C25	4.663	-0.004	7815	6607			
C26	4.768	-0.003	4216	6452			
C28	4.983	-0.001	1415	966			
C32	5.414	-0.002	490	375			
C34	5.621	-0.004	7069	4441			
Filter Peak	6.190	0.002	715	211			
C36	5.831	0.002	696.0	286	o-Terph Surrogate Rec = 100.9%		(825960)
C38	6.032	-0.003	725.0	316	Triacon Surrogate Rec = 0.6%		(3952)
C40	6.282	-0.004	700	523			
o-terph	4.005	0.001	1585251	825960	JET-A (C10-C18)	2780134	240
Triacon Surr	5.199	-0.010	3995	3952			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

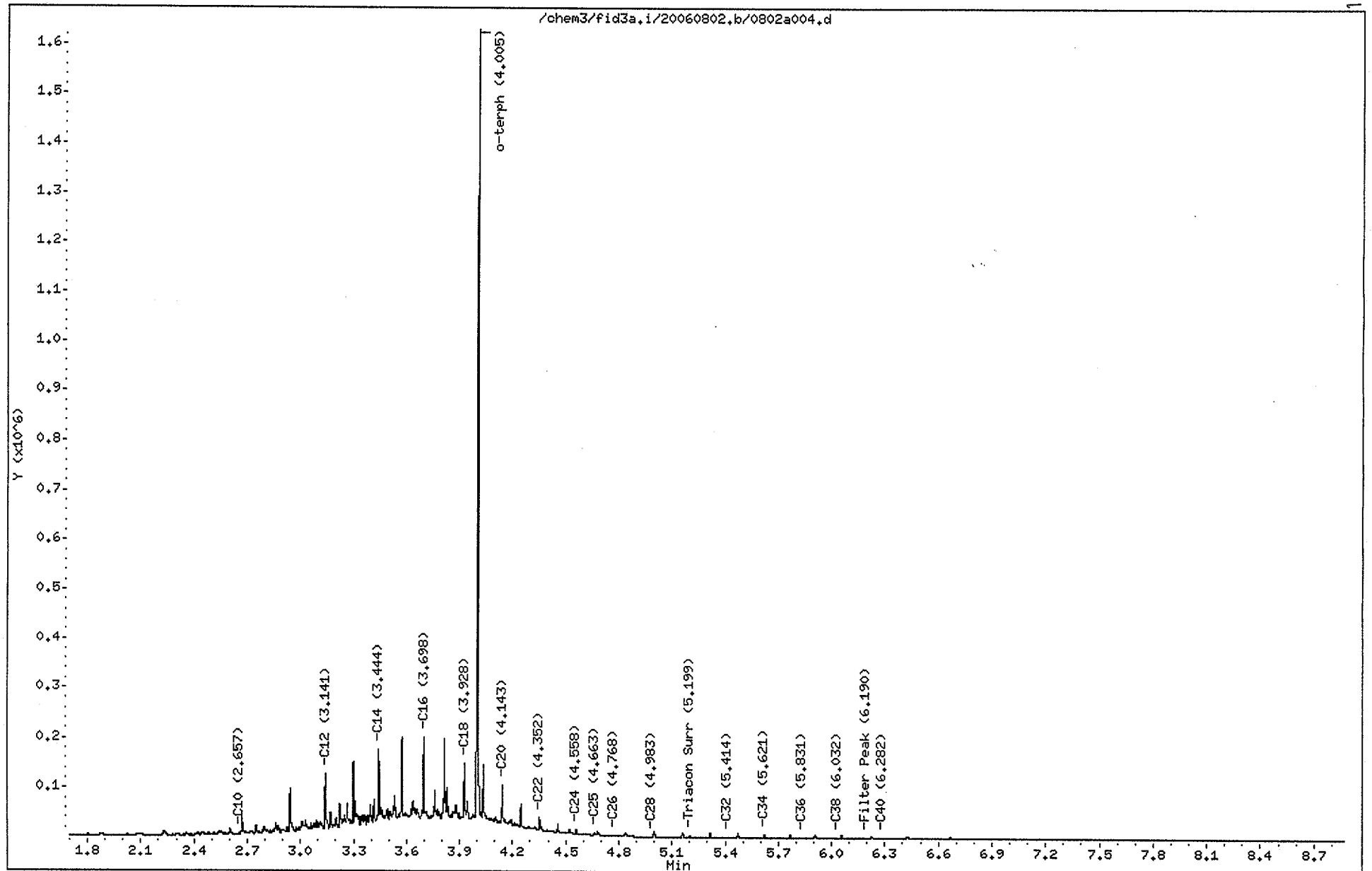
Data File: /chem3/fid3a.i/20060802.b/0802a004.d
Date : 02-AUG-2006 06:09
Client ID:
Sample Info: DIESEL#1

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1085



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

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

ICal Date: 15-JUL-2006
Project: MOIL#1

CCal Date: 02-AUG-2006
SDG No.: JQ36

Analysis Time: 06:25
Lab ID: MOIL#1

Instrument: FID3A.I
Lab File Name: 0802a005.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4546911	482.1	500	-3.6
AK103 (C25-C36)	3876651	610.6	500	22.1
n-Triacontane	667580	43.7	45	-2.9

* 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/20060802.b/0802a005.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: MOIL#1
Client ID:
Injection: 02-AUG-2006 06:25
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)	25354	1
C8	1.441	-0.008	1123	667	DIESEL (C12-C24)	551916	45
C10	2.664	0.003	43	18	M.OIL (C24-C38)	4546911	482
C12	3.130	-0.009	1871	1417	AK-102 (C10-C25)	574628	40
C14	3.440	-0.003	566	426	AK-103 (C25-C36)	3876651	611
C16	3.700	0.001	795	217			
C18	3.929	-0.001	1932	1403			
C20	4.142	-0.003	5321	4138			
C22	4.352	-0.003	14633	6250	STODDARD (C8-C12)	25354	2
C24	4.560	-0.001	29354	6970			
C25	4.670	0.003	37717	30851			
C26	4.775	0.003	41693	24714			
C28	4.984	0.000	45834	10910			
C32	5.414	-0.001	60737	15563			
C34	5.623	-0.001	69349	69959			
Filter Peak	6.187	-0.001	38947	41524			
C36	5.833	0.004	64839.0	54554	o-Terph Surrogate Rec = 1.6%		(12788)
C38	6.034	-0.001	50310.0	33906	Triacon Surrogate Rec = 97.1%		(667580)
C40	6.289	0.003	29616	10571			
o-terph	3.999	-0.006	20216	12788	JET-A (C10-C18)	56177	5
Triacon Surr	5.211	0.002	756005	667580			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

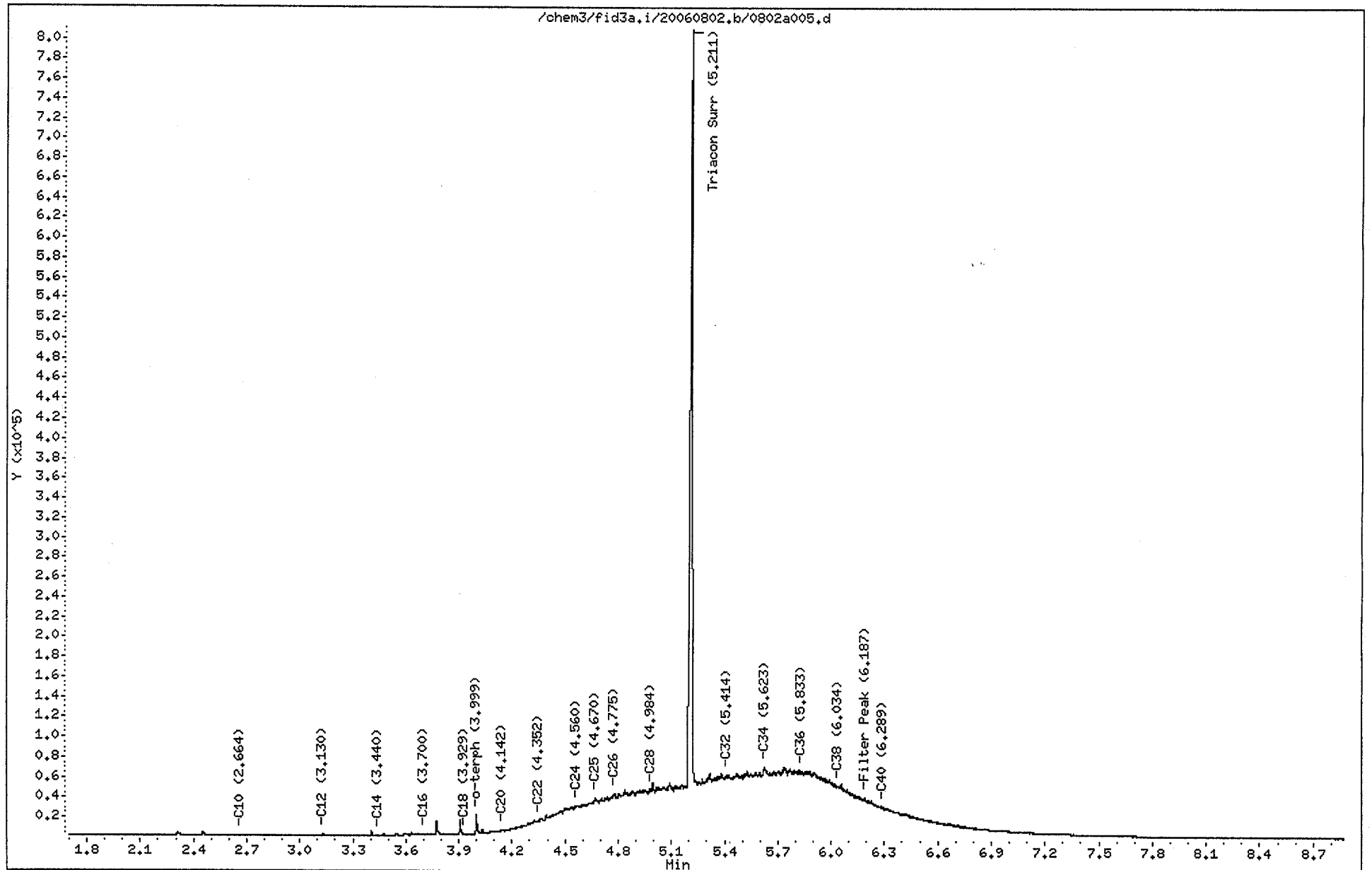
Data File: /chem3/fid3a.i/20060802.b/0802a005.d
Date : 02-AUG-2006 06:25
Client ID:
Sample Info: MOIL#1

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1088



7a
DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 09:29
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: DIESEL#2
Lab File Name: 0802a017.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3104902	250.9	250	0.4
AK102 (C10-C25)	3652398	251.7	250	0.7
Terphenyl	828612	45.5	45	1.2

* 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/20060802.b/0802a017.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: DIESEL#2
Client ID:
Injection: 02-AUG-2006 09:29

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	0.010	10768	14796	GAS (Tol-C12)	731971	37
C8	1.433	-0.016	2332	3264	DIESEL (C12-C24)	3104902	251
C10	2.657	-0.004	4584	2992	M.OIL (C24-C38)	151025	16
C12	3.140	0.002	130271	56037	AK-102 (C10-C25)	3652398	252
C14	3.444	0.001	168576	79283	AK-103 (C25-C36)	132162	21
C16	3.699	0.000	195301	93179			
C18	3.932	0.002	145544	92847			
C20	4.149	0.005	104875	63770			
C22	4.360	0.004	39287	18495	STODDARD (C8-C12)	698138	47
C24	4.567	0.005	14141	17403			
C25	4.670	0.003	8105	5652			
C26	4.775	0.003	4467	6922			
C28	4.987	0.003	1607	1309			
C32	5.416	0.001	767	954			
C34	5.624	-0.001	7626	5348			
Filter Peak	6.189	0.001	1072	192			
C36	5.826	-0.003	1024.0	423	o-Terph Surrogate Rec = 101.2%	(828612)	
C38	6.038	0.003	1106.0	549	Triacon Surrogate Rec = 0.7%	(4968)	
C40	6.284	-0.002	985	526			
o-terph	4.010	0.006	1607231	828612	JET-A (C10-C18)	2788629	241
Triacon Surr	5.202	-0.007	4460	4968			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

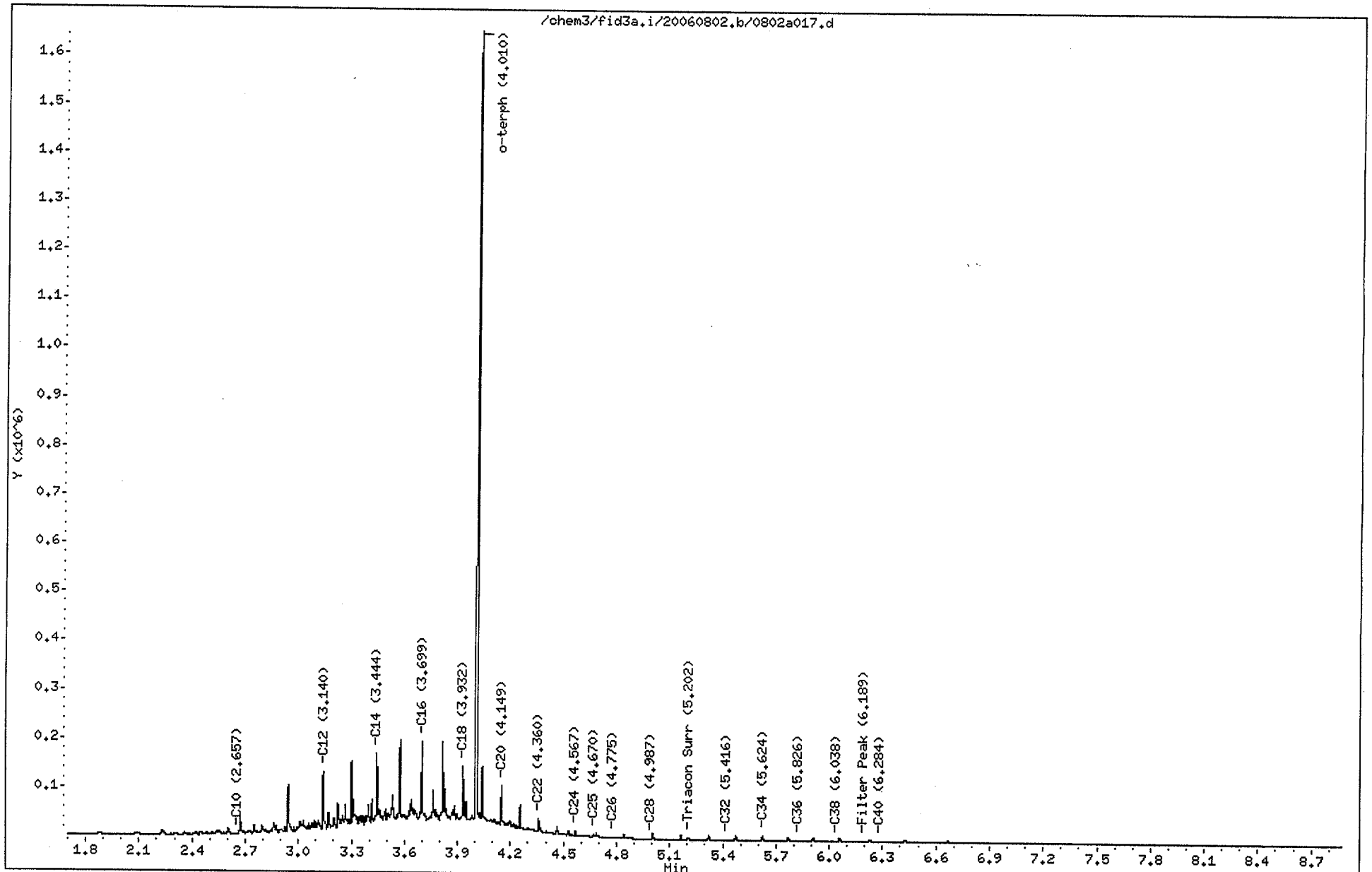
Data File: /chem3/fid3a.i/20060802.b/0802a017.d
Date : 02-AUG-2006 09:29
Client ID:
Sample Info: DIESEL#2

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1091



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 09:45
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: MOIL#2
Lab File Name: 0802a018.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D
WAMoil(C24-C38)	4546411	482.0	500	-3.6
AK103 (C25-C36)	3912173	616.2	500	23.2
n-Triacontane	659323	43.2	45	-4.1

* 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

FORM VII-Diesel

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a018.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: MOIL#2
Client ID:
Injection: 02-AUG-2006 09:45

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)	24228	1
C8	1.438	-0.010	1176	588	DIESEL (C12-C24)	523743	42
C10	2.662	0.001	31	19	M.OIL (C24-C38)	4546411	482
C12	3.130	-0.009	1930	1399	AK-102 (C10-C25)	530557	37
C14	3.442	-0.001	539	596	AK-103 (C25-C36)	3912173	616
C16	3.696	-0.003	782	536			
C18	3.940	0.011	1909	1246			
C20	4.146	0.002	4107	2649			
C22	4.359	0.003	13880	9064	STODDARD (C8-C12)	24228	2
C24	4.563	0.002	28036	11060			
C25	4.667	0.000	33445	6001			
C26	4.774	0.002	39426	13184			
C28	4.987	0.003	46159	11842			
C32	5.415	0.000	57963	9128			
C34	5.632	0.007	67892	83526			
Filter Peak	6.184	-0.004	37680	33442			
C36	5.826	-0.003	60840.0	21819	o-Terph Surrogate Rec = 0.1%		(1061)
C38	6.035	0.000	49144.0	20937	Triacon Surrogate Rec = 95.9%		(659323)
C40	6.290	0.004	28730	12809			
o-terph	3.997	-0.007	1702	1061	JET-A (C10-C18)	52788	5
Triacon Surr	5.222	0.013	781676	659323			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

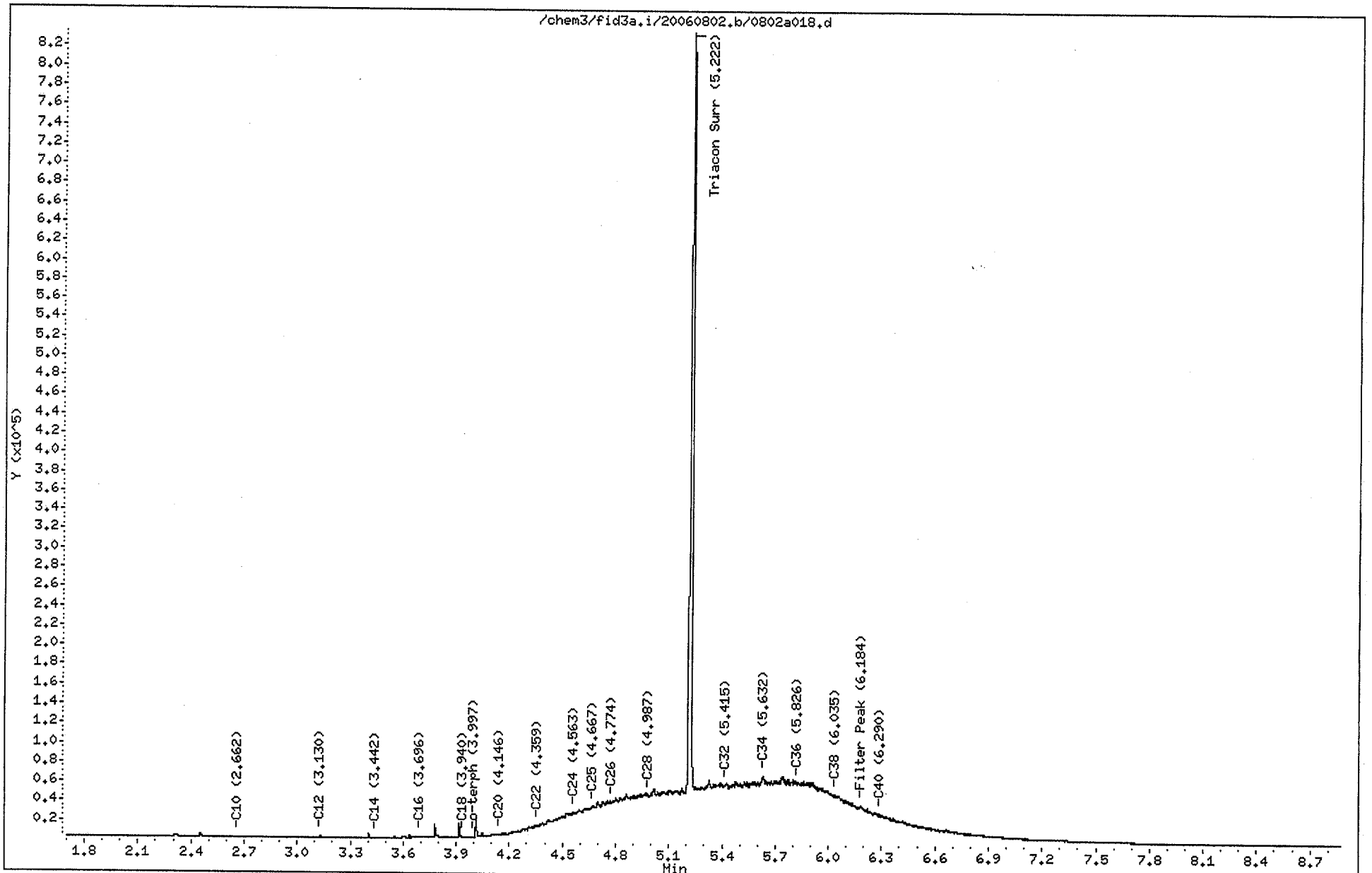
Data File: /chem3/fid3a.i/20060802.b/0802a018.d
Date : 02-AUG-2006 09:45
Client ID:
Sample Info: MOIL#2

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1094



7a
DIESEL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 12:36
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: DIESEL#3
Lab File Name: 0802a029.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3173569	256.4	250	2.6
AK102 (C10-C25)	3738174	257.6	250	3.0
Terphenyl	930340	51.1	45	13.6

* 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/20060802.b/0802a029.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: DIESEL#3
Client ID:
Injection: 02-AUG-2006 12:36
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	1.270	0.009	11969	16374	GAS (Tol-C12)	756099	38
C8	1.465	0.017	5808	6530	DIESEL (C12-C24)	3173569	256
C10	2.654	-0.007	4881	3154	M.OIL (C24-C38)	246819	26
C12	3.140	0.002	132553	58642	AK-102 (C10-C25)	3738174	258
C14	3.443	0.000	180635	100711	AK-103 (C25-C36)	204732	32
C16	3.699	0.000	214716	97797			
C18	3.930	0.000	156075	93280			
C20	4.145	0.000	108468	74791			
C22	4.354	-0.002	38615	20494	STODDARD (C8-C12)	718151	48
C24	4.559	-0.002	16182	15491			
C25	4.662	-0.005	9097	6546			
C26	4.767	-0.005	5228	6852			
C28	4.979	-0.005	2423	2177			
C32	5.410	-0.006	1761	2082			
C34	5.622	-0.002	9006	7800			
Filter Peak	6.193	0.005	3464	6442			
C36	5.830	0.001	3115.0	3032	o-Terph Surrogate Rec = 113.6%		(930340)
C38	6.033	-0.002	3255.0	2698	Triacon Surrogate Rec = 0.9%		(6247)
C40	6.292	0.006	3320	2858			
o-terph	4.008	0.003	1701342	930340	JET-A (C10-C18)	2874267	248
Triacon Surr	5.194	-0.015	6541	6247			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

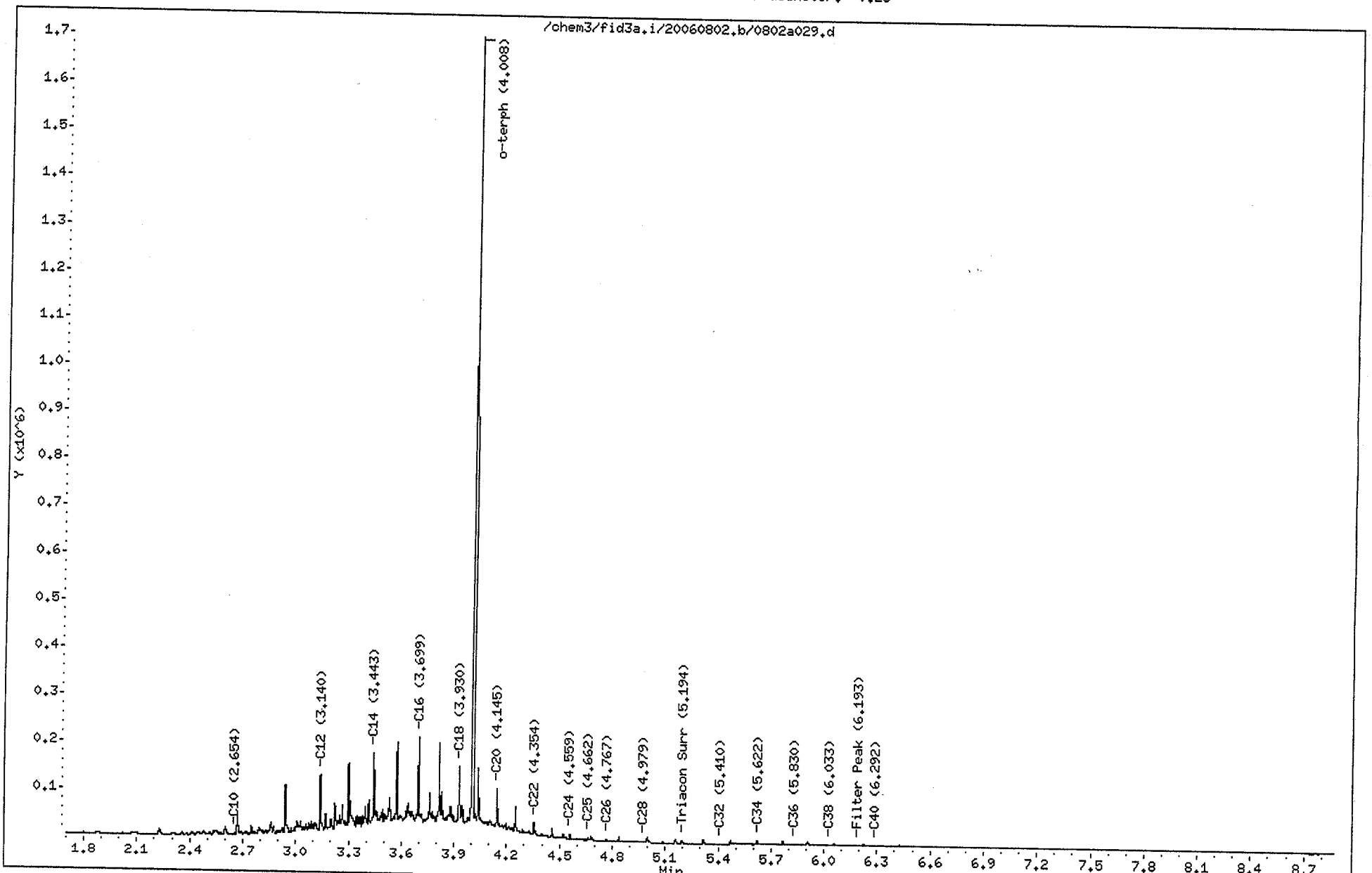
Data File: /chem3/fid3a.i/20060802.b/0802a029.d
Date : 02-AUG-2006 12:36
Client ID:
Sample Info: DIESEL#3

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1097



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 12:52
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: MOIL#3
Lab File Name: 0802a030.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D	
WAMoil(C24-C38)	4524558	479.7	500	-4.1	
AK103 (C25-C36)	3952767	622.6	500	24.5	
n-Triacontane	845103	55.3	45	22.9	<-

* 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

FORM VII-Diesel

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a030.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: MOIL#3
Client ID:
Injection: 02-AUG-2006 12:52
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)	47335	2
C8	1.439	-0.010	1465	730	DIESEL (C12-C24)	588694	48
C10	2.658	-0.003	262	60	M.OIL (C24-C38)	4524558	480
C12	3.128	-0.010	2331	1776	AK-102 (C10-C25)	602584	42
C14	3.440	-0.003	857	1081	AK-103 (C25-C36)	3952767	623
C16	3.693	-0.006	1090	506			
C18	3.933	0.003	2504	1774			
C20	4.148	0.003	5980	3602			
C22	4.361	0.005	15651	12467	STODDARD (C8-C12)	47335	3
C24	4.566	0.005	31397	21638			
C25	4.668	0.001	37089	6615			
C26	4.770	-0.001	40485	10355			
C28	4.979	-0.005	49640	43396			
C32	5.417	0.001	63226	40128			
C34	5.624	0.000	68951	13609			
Filter Peak	6.185	-0.003	28362	15047			
C36	5.828	-0.001	62499.0	19635	o-Terph Surrogate Rec = 1.6%	(13278)	
C38	6.030	-0.005	42760.0	28313	Triacon Surrogate Rec = 122.9%	(845103)	
C40	6.289	0.003	21822	10143			
o-terph	4.004	-0.001	24532	13278	JET-A (C10-C18)	75578	7
Triacon Surr	5.213	0.004	806428	845103			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

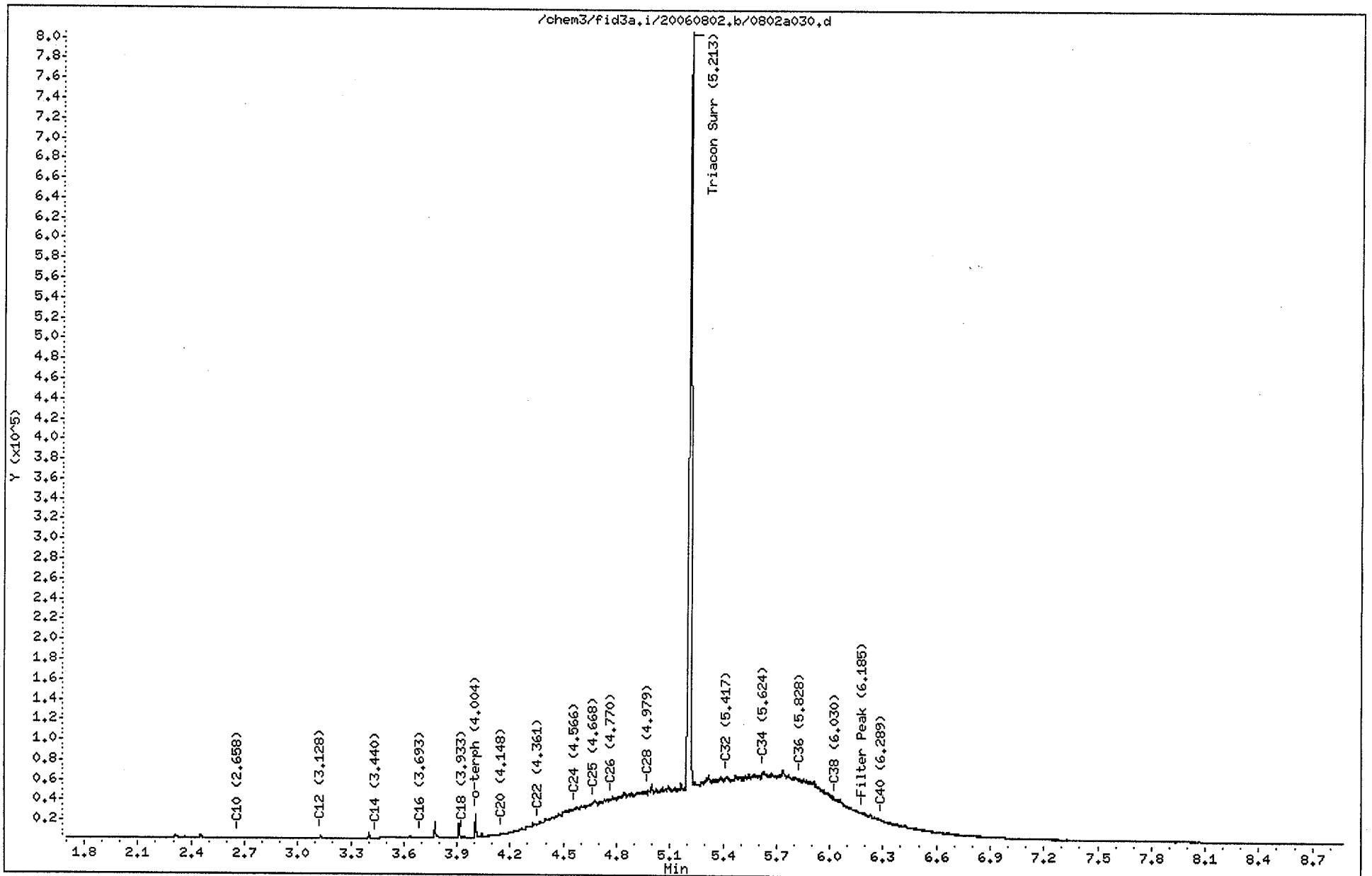
Data File: /chem3/fid3a.i/20060802.b/0802a030.d
Date : 02-AUG-2006 12:52
Client ID:
Sample Info: MOIL#3

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1100



7a
DIESEL CONTINUING CALIBRATION VERIFICATION

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

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

CCal Date: 02-AUG-2006
SDG No.: JQ36

Analysis Time: 14:57
Lab ID: DIESEL#4

Instrument: FID3A.I
Lab File Name: 0802a038.d

Diesel Range	Area*	CalcAmnt	NomAmnt	% D
WADies(C12-C24)	3193940	258.1	250	3.2
AK102 (C10-C25)	3760176	259.1	250	3.6
Terphenyl	940134	51.7	45	14.8

* 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/20060802.b/0802a038.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: DIESEL#4
Client ID:
Injection: 02-AUG-2006 14:57
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	1.270	0.009	12398	17124	GAS (Tol-C12)	754200	38
C8	1.466	0.017	5732	6377	DIESEL (C12-C24)	3193940	258
C10	2.656	-0.005	4699	3046	M.OIL (C24-C38)	176786	19
C12	3.140	0.002	134059	59933	AK-102 (C10-C25)	3760176	259
C14	3.443	0.000	185523	83247	AK-103 (C25-C36)	154115	24
C16	3.698	-0.001	213799	95176			
C18	3.928	-0.001	154078	88982			
C20	4.144	-0.001	114815	51220			
C22	4.353	-0.002	41757	20570	STODDARD (C8-C12)	715416	48
C24	4.559	-0.002	15328	15914			
C25	4.663	-0.004	9242	6428			
C26	4.769	-0.003	5066	7459			
C28	4.982	-0.002	1835	1596			
C32	5.412	-0.004	1004	1504			
C34	5.623	-0.002	8486	6471			
Filter Peak	6.185	-0.003	1613	861			
C36	5.822	-0.007	1572.0	857	o-Terph Surrogate Rec = 114.8%	(940134)	
C38	6.034	-0.001	1606.0	477	Triacon Surrogate Rec = 0.8%	(5633)	
C40	6.283	-0.003	1614	673			
o-terph	4.007	0.002	1663418	940134	JET-A (C10-C18)	2961330	256
Triacon Surr	5.196	-0.013	6732	5633			

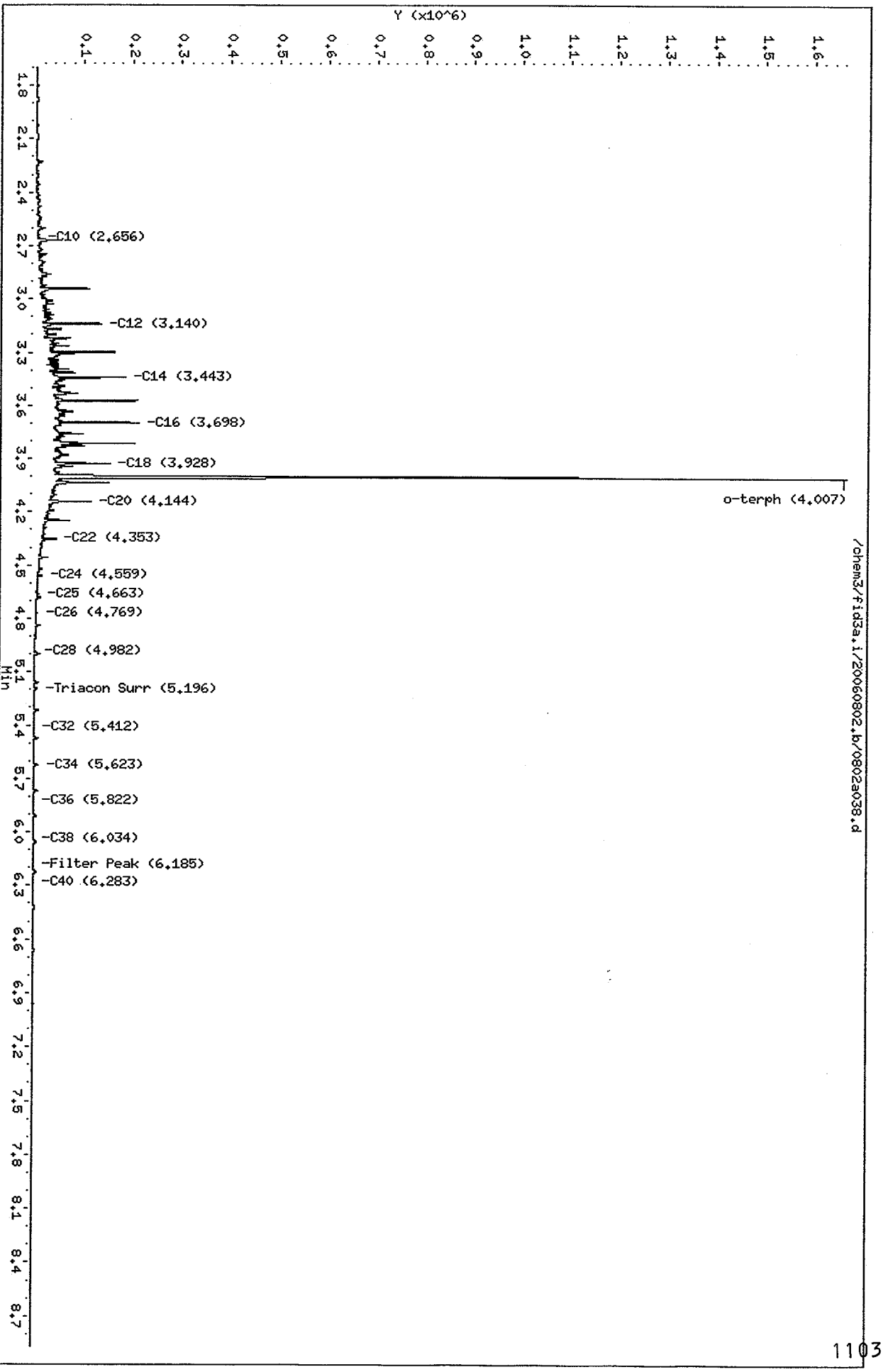
Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a038.d
Date : 02-AUG-2006 14:57
Client ID:
Sample Info: DIESEL#4

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25



7a

MOTOR OIL CONTINUING CALIBRATION VERIFICATION

Lab Name: ANALYTICAL RESOURCES, INC.
ICal Date: 15-JUL-2006
CCal Date: 02-AUG-2006
Analysis Time: 15:12
Instrument: FID3A.I

Client: ANCHOR ENVIR
Project: T4 EARLY ACTION
SDG No.: JQ36
Lab ID: MOIL#4
Lab File Name: 0802a039.d

M.oil Range	Area*	CalcAmnt	NomAmnt	% D	
WAMoil(C24-C38)	4462481	473.1	500	-5.4	
AK103 (C25-C36)	3879905	611.1	500	22.2	
n-Triacontane	857835	56.2	45	24.8	<-

* 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/20060802.b/0802a039.d
Method: /chem3/fid3a.i/20060801.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/09/2006
Macro: 21-JUN-2006

ARI ID: MOIL#4
Client ID:
Injection: 02-AUG-2006 15:12
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)	52075	3
C8	1.438	-0.011	1573	1813	DIESEL (C12-C24)	594396	48
C10	2.660	-0.002	340	215	M.OIL (C24-C38)	4462481	473
C12	3.129	-0.010	2528	2041	AK-102 (C10-C25)	621776	43
C14	3.439	-0.004	963	758	AK-103 (C25-C36)	3879905	611
C16	3.700	0.001	1224	291			
C18	3.933	0.003	2688	1931			
C20	4.147	0.002	6219	4334			
C22	4.356	0.001	15536	7137	STODDARD (C8-C12)	52075	3
C24	4.564	0.002	31715	11044			
C25	4.664	-0.003	35818	11179			
C26	4.771	-0.001	41650	14716			
C28	4.983	-0.001	50329	18743			
C32	5.413	-0.003	62309	31701			
C34	5.622	-0.002	69312	31658			
Filter Peak	6.190	0.002	24663	5347			
C36	5.824	-0.005	61687.0	46785	o-Terph Surrogate Rec = 1.9%	(15787)	
C38	6.036	0.001	38195.0	12118	Triacon Surrogate Rec = 124.8%	(857835)	
C40	6.282	-0.004	18902	12613			
o-terph	4.004	-0.001	25639	15787	JET-A (C10-C18)	85995	7
Triacon Surr	5.213	0.003	795213	857835			

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

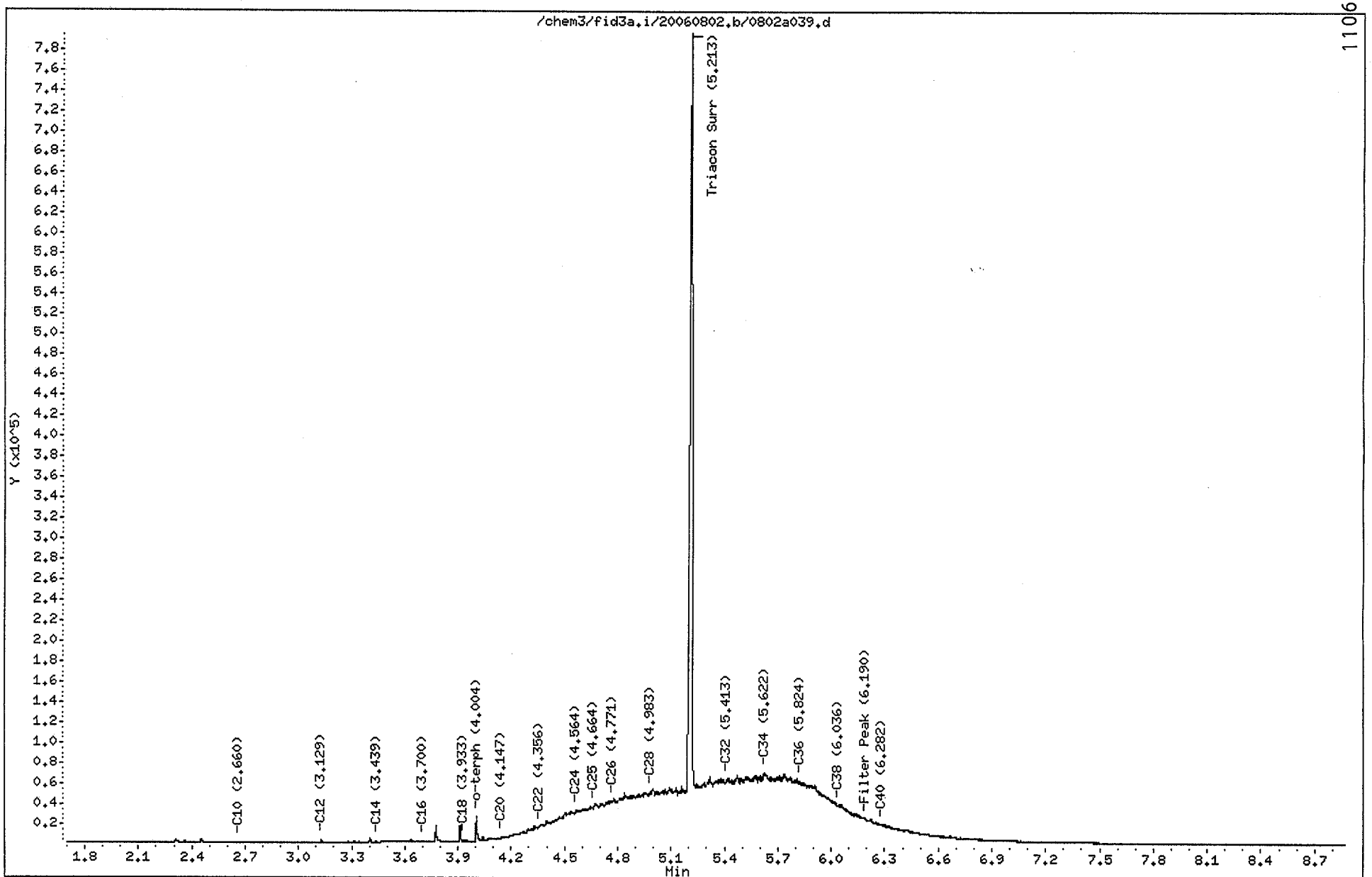
Data File: /chem3/fid3a.i/20060802.b/0802a039.d
Date : 02-AUG-2006 15:12
Client ID:
Sample Info: MOIL#4

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR
Column diameter: 0.25

1106



NWTPH-Dx Analysis
QC Raw Data

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a008.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36MBS1
Client ID:
Injection: 02-AUG-2006 07:11
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	-0.019	31000	92391	GAS (Tol-C12)	184958	9
C8	1.450	0.001	2839	7019	DIESEL (C12-C24)	94954	8
C10	2.663	0.002	658	615	M.OIL (C24-C38)	71678	8
C12	3.138	-0.001	743	759	AK-102 (C10-C25)	115826	8
C14	3.454	0.011	795	464	AK-103 (C25-C36)	59753	9
C16	3.694	-0.005	1383	1912			
C18	3.927	-0.003	1087	751			
C20	4.148	0.004	1581	892			
C22	4.362	0.006	1504	2370	STODDARD (C8-C12)	92566	6
C24	4.565	0.003	1405	1859			
C25	4.667	0.000	1304	1429			
C26	4.770	-0.002	1191	1462			
C28	4.979	-0.005	1389	1229			
C32	5.418	0.002	1608	2444			
C34	5.625	0.001	942	1036			
Filter Peak	6.188	0.000	998	314			
C36	5.827	-0.002	853.0	236	o-Terph Surrogate Rec = 80.9%		(662523)
C38	6.039	0.004	1001.0	870	Triacon Surrogate Rec = 87.0%		(598338)
C40	6.282	-0.004	946	280			
o-terph	4.002	-0.003	1341040	662523	JET-A (C10-C18)	73149	6
Triacon Surr	5.206	-0.003	795517	598338			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a008.d

Date : 02-AUG-2006 07:11

Client ID:

Sample Info: JQ36MBS1

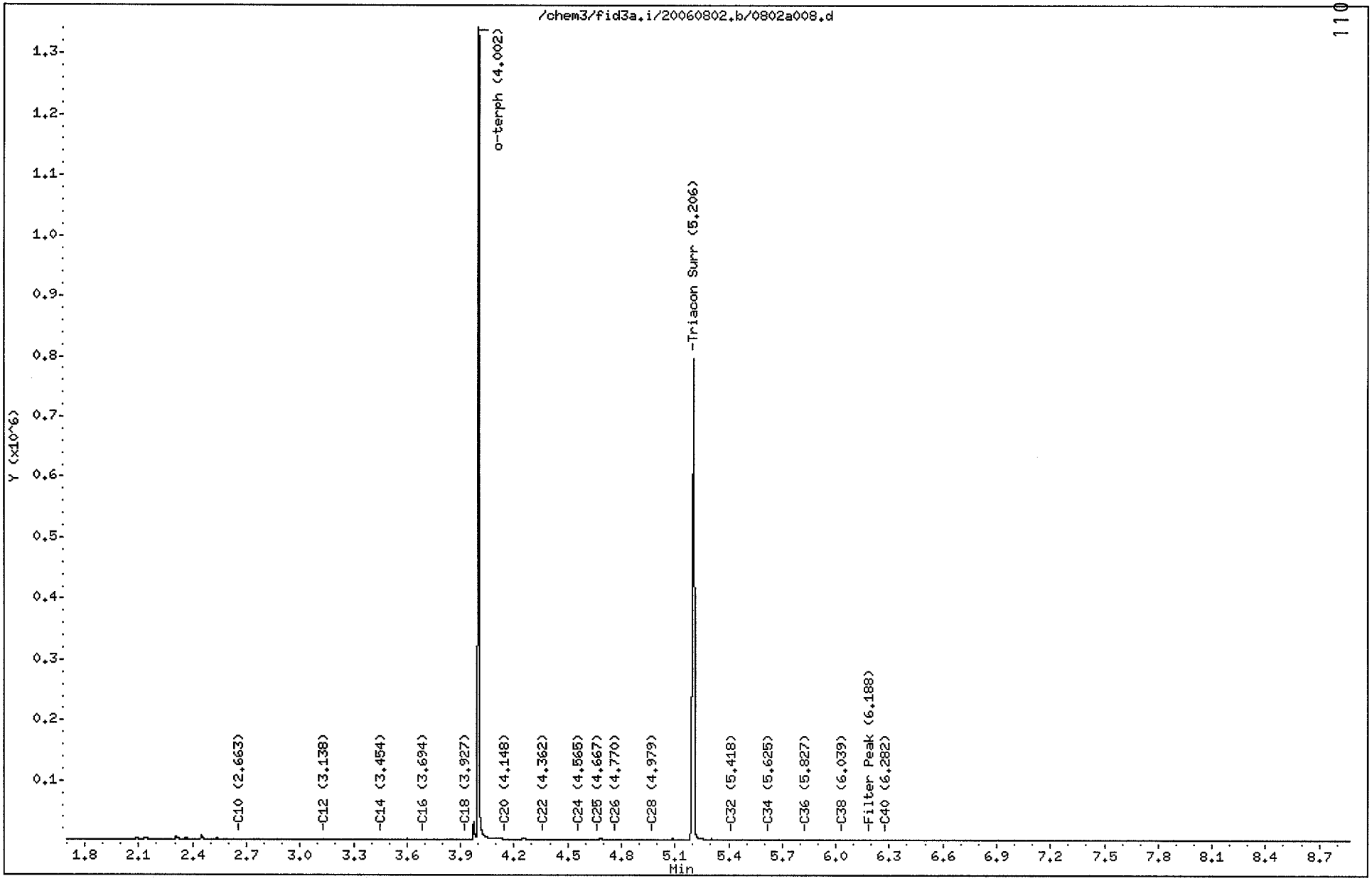
Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25

1109



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a025.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36EMS
Client ID:
Injection: 02-AUG-2006 11:34
Dilution Factor: 5

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

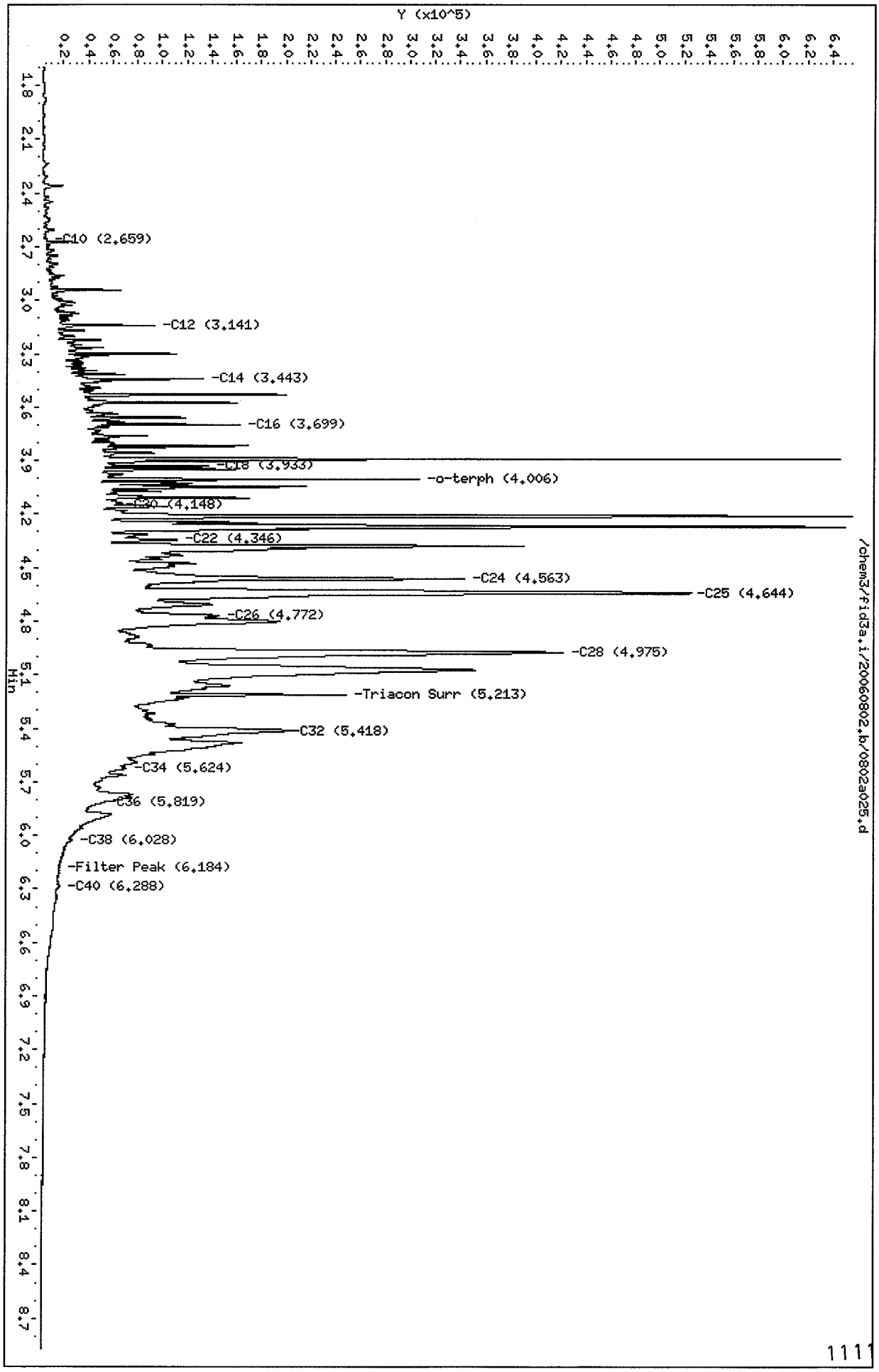
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.272	0.011	12014	29958	GAS (Tol-C12)	636039	32
C8	1.433	-0.016	1815	1872	DIESEL (C12-C24)	7402194	598
C10	2.659	-0.002	3631	2274	M.OIL (C24-C38)	8468775	898
C12	3.141	0.003	91753	45942	AK-102 (C10-C25)	7826663	539
C14	3.443	0.000	131081	51912	AK-103 (C25-C36)	8052920	1268
C16	3.699	0.000	160765	85590			
C18	3.933	0.003	134914	78018			
C20	4.148	0.003	62042	18374			
C22	4.346	-0.010	110599	147149	STODDARD (C8-C12)	555585	37
C24	4.563	0.002	340954	653909			
C25	4.644	-0.023	522200	593490			
C26	4.772	0.001	144417	69258			
C28	4.975	-0.009	420926	893480			
C32	5.418	0.002	196283	250009			
C34	5.624	-0.001	70054	46140			
Filter Peak	6.184	-0.004	15410	10881			
C36	5.819	-0.010	49235.0	63253	o-Terph Surrogate Rec = 57.8%		(94589)
C38	6.028	-0.007	26054.0	36893	Triacon Surrogate Rec = 54.7%		(75201)
C40	6.288	0.002	15450	20744			
o-terph	4.006	0.002	253720	94589	JET-A (C10-C18)	3064632	265
Triacon Surr	5.213	0.004	139483	75201			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 6.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a025.d
Date : 02-AUG-2006 11:34
Client ID:
Sample Info: JQ36EHS,5
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



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Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a026.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36EMSD
Client ID:
Injection: 02-AUG-2006 11:49
Dilution Factor: 5

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

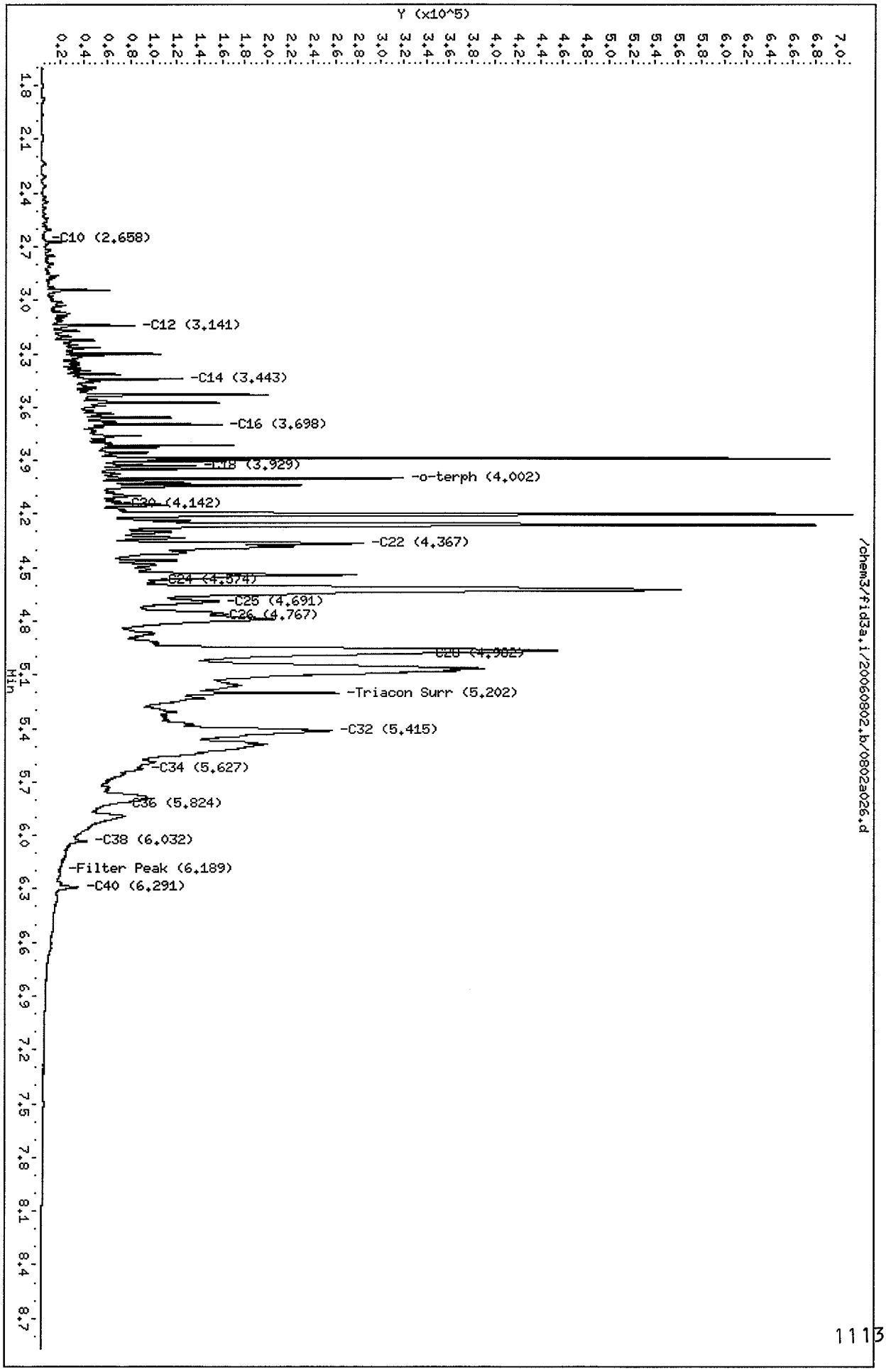
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.269	0.008	11678	27648	GAS (Tol-C12)	559884	28
C8	1.435	-0.013	1661	2793	DIESEL (C12-C24)	7239033	585
C10	2.658	-0.003	3014	1936	M.OIL (C24-C38)	11289282	1197
C12	3.141	0.003	81070	37716	AK-102 (C10-C25)	7611590	525
C14	3.443	0.000	123189	50905	AK-103 (C25-C36)	10772056	1697
C16	3.698	-0.001	158197	88624			
C18	3.929	-0.001	135143	76371			
C20	4.142	-0.003	65340	19254			
C22	4.367	0.012	282882	291266	STODDARD (C8-C12)	484332	32
C24	4.574	0.013	96731	15359			
C25	4.691	0.024	155490	373578			
C26	4.767	-0.004	150719	26986			
C28	4.982	-0.002	332199	424912			
C32	5.415	0.000	255120	379407			
C34	5.627	0.002	90315	121776			
Filter Peak	6.189	0.001	18057	5713			
C36	5.824	-0.005	66029.0	42738	o-Terph Surrogate Rec = 57.0%		(93369)
C38	6.032	-0.003	41287.0	65081	Triacon Surrogate Rec = 52.6%		(72383)
C40	6.291	0.005	33671	58893			
o-terph	4.002	-0.003	260586	93369	JET-A (C10-C18)	3047922	263
Triacon Surr	5.202	-0.007	127154	72383			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a026.d
Date : 02-AUG-2006 11:49
Client ID:
Sample Info: JQ36EMSD.5
Column phase: RTX-1

Instrument: fid3a.i
Operator: JR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem3/fid3a.i/20060802.b/0802a009.d
Method: /chem3/fid3a.i/20060802.b/ftphfid3a.m
Instrument: fid3a.i
Operator: JR
Report Date: 08/03/2006
Macro: 21-JUN-2006

ARI ID: JQ36LCSS1
Client ID:
Injection: 02-AUG-2006 07:26
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	1.258	-0.004	25275	28103	GAS (Tol-C12)	2944657	147
C8	1.444	-0.005	3693	5461	DIESEL (C12-C24)	14557791	1176
C10	2.667	0.006	179976	102524	M.OIL (C24-C38)	312297	33
C12	3.140	0.002	574129	260218	AK-102 (C10-C25)	16885517	1164
C14	3.445	0.002	807699	455378	AK-103 (C25-C36)	302259	48
C16	3.702	0.003	837980	466697			
C18	3.936	0.006	522758	467266			
C20	4.138	-0.006	144425	59693			
C22	4.359	0.004	172896	144962	STODDARD (C8-C12)	2830956	189
C24	4.561	0.000	74576	63957			
C25	4.663	-0.004	42212	36825			
C26	4.766	-0.006	22703	19572			
C28	4.977	-0.007	6440	5400			
C32	5.411	-0.004	2321	4205			
C34	5.625	0.000	1110	1064			
Filter Peak	6.184	-0.004	928	621			
C36	5.826	-0.003	891.0	177	o-Terph Surrogate Rec = 81.3%		(665482)
C38	6.036	0.001	935.0	800	Triacon Surrogate Rec = 88.9%		(610931)
C40	6.293	0.007	862	308			
o-terph	4.010	0.005	1051102	665482	JET-A (C10-C18)	12821788	1107
Triacon Surr	5.206	-0.003	782324	610931			

JR 08/03/06

Range Times: NW Diesel(3.138 - 4.561) AK102(2.66 - 4.67) Jet A(2.66 - 3.93)
NW M.Oil(4.56 - 6.03) AK103(4.67 - 5.83) OR Diesel(2.66 - 4.98)

Data File: /chem3/fid3a.i/20060802.b/0802a009.d

Date : 02-AUG-2006 07:26

Client ID:

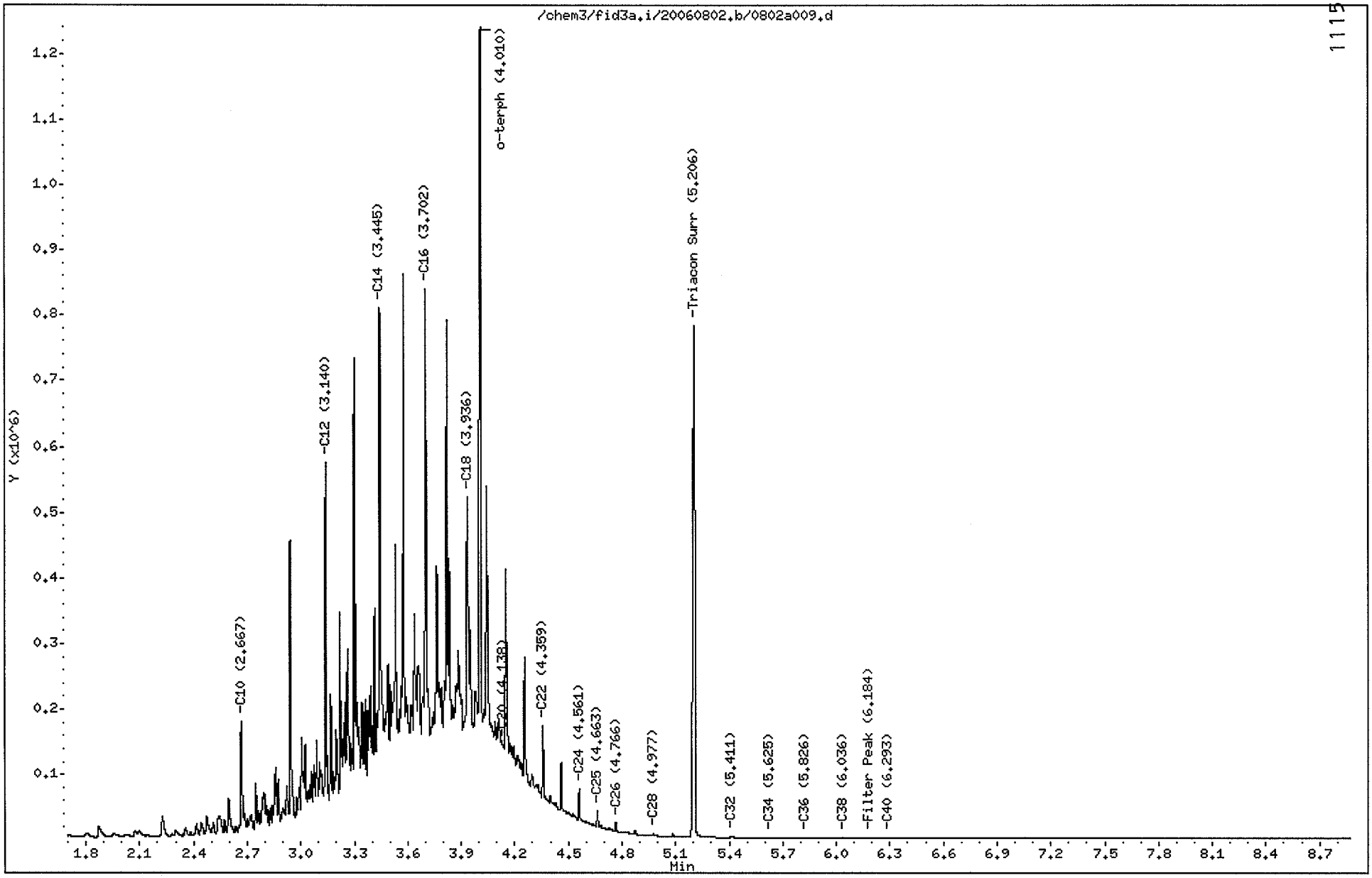
Sample Info: JQ36LCSS1

Column phase: RTX-1

Instrument: fid3a.i

Operator: JR

Column diameter: 0.25



NWTPH-Dx Analysis
Extraction Bench Sheets and Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

PROJECT: T4 EARLY ACTION, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

QA LIMs # _____
EXT-LIMs # _____
Bid # TD0728C-01

NWTPHD/AK102/103/NWHCID - Soil
(3550B) Microtip_____
(3545A) ASE_____
Med.Shakeout_____
Acid/Silica Gel Clean_____
KD_____
Turbovap X

Client Name: Anchor Environmental
the Riley Group, Inc.
The Boeing Co.

ARI Job No(s): JQ36, JR19, JR39

Extraction Requirements (ARI Lab ID)	Client Sample ID	Amount Extracted (g)	Volume of Solvent Added (HCID)	KD	Final Effective Volume 1ML	Volume To Lab 1ML	Time Extracted 15:15 Comments
MB: JQ36 MB	8/1/06	10.00					
SB: SB		10.00					
A	checked	10.00					
B		10.02					
C		10.04					
D		10.02					
E		10.02					
EMS		10.04					
EMSD		10.00					
F		10.08					
G		10.02					
H		10.04					
I		10.02					
J		10.00					
K		10.04					
L		10.02					
JR19 A		10.04					
B		10.02					
C		10.00					
JR39 A	checked	10.00					
Date/Analyst: LW	8/1/06				PC 8/1		

Surrogate Amount: 100 ul
Concentration: 450 ng/ml
Added By: LW /Spk. Witness ////
ID: ~~1413~~ LW 8/1
1412-4

Spike Amount: 100 ul
Concentration: 15,000 ng/ml
Added By: LW /Spk. Witness ////
ID: 1407-3

Neutral glasswool ID: 3-19 #1
(DCM) Solvent Lot ID: 13203
Conc. H2So4 ID: _____
Silica Gel ID: _____
Na2So4 ID: 7/24/06

3013F

Revision 6
12/5/02

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: JQ36

Client Name: Anchor Environmental

Parameter: TPHD

Client Project: TH Early Action

3545 SOP Number(s)

☐ No Anomalies

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

0.45 µm filter used on Samples

mbs	Ems	K
sbs	Emsd	L
A	F	M
B	G	
C	H	
D	I	
E	J	

PC 8/1

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: JQ36 Client ID: T4 early action

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

arameter(s): Diesel, motor oil, o-terphenyl

strument: FID: 3A ECD: N/A

ates: Curve: Diesel motor oil 07/15/06 Analysis Start: 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? see notes 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):

ms/msd (5X) runs N/A due to homogeneity of sample
spike is evident in chrom. but, % rec. calc.
negative

O.K to report as per project manager

ditional Details on Reverse: Yes / No

alyst Signature: JR **Date:** 08/03/06

iewer's Signature: [illegible] **Date:** 8/3/06

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: JQ36
Matrix: Sediment
Project: T4 EARLY ACTION
Date Received: 07/21/06
050332-01

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
06-12972-JQ36A	T4-S3-07-B	5.33 g	1.00 mL	D	08/01/06
06-12973-JQ36B	T4-S3-07-C	5.49 g	1.00 mL	D	08/01/06
06-12974-JQ36C	T4-S3-07-D	6.63 g	1.00 mL	D	08/01/06
06-12975-JQ36D	T4-S3-07-E	8.26 g	1.00 mL	D	08/01/06
06-12976-080106MB1	Method Blank	10.0 g	1.00 mL	-	08/01/06
06-12976-080106LCS1	Lab Control	10.0 g	1.00 mL	-	08/01/06
06-12976-JQ36E	T4-S3-04-A	6.52 g	1.00 mL	D	08/01/06
06-12976-JQ36EMS	T4-S3-04-A	6.54 g	1.00 mL	D	08/01/06
06-12976-JQ36EMSD	T4-S3-04-A	6.51 g	1.00 mL	D	08/01/06
06-12977-JQ36F	T4-S3-04-B	7.74 g	1.00 mL	D	08/01/06
06-12978-JQ36G	T4-S3-04-C	7.08 g	1.00 mL	D	08/01/06
06-12979-JQ36H	T4-S3-04-D	7.90 g	1.00 mL	D	08/01/06
06-12980-JQ36I	T4-WB-01	4.34 g	1.00 mL	D	08/01/06
06-12981-JQ36J	T4-WB-02	5.92 g	1.00 mL	D	08/01/06
06-12982-JQ36K	T4-WB-03	4.51 g	1.00 mL	D	08/01/06
06-12983-JQ36L	T4-WB-04	4.67 g	1.00 mL	D	08/01/06

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

ates: 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

ethod 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%.

ditional Details on Reverse: Yes / No

alyst Signature: JR Date: JR 07/18/06

viewer's Signature: Date: 7.18.2006

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

RI Project ID: mo.l curve Client ID: ART

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

rameter(s): mo.l , n.triacontane

strument: FID: 3A ECD: N/A

ates: Curve: Mo.l 07/15/06 Analysis Start: 07/15/06

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

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):

All targets < 20%

ditional Details on Reverse: Yes / No

alyst Signature: Date: 07/18/01

iewer's 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: R 167375 Column Type: RTX-1

Instrument Tune (.U or .CT.): N/A PR07/19/06 EM Voltage: N/A

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

IS/SS	Ical/Ccal	LCS/ICV
N/A	RT	Diesel
	IB	MOIL
	Diesel	
	mod	
	AOil	
	JetA	

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		
1417	0715a009.d	DCM RINSE		
1433	0715a010.d	DCM RINSE		
1449	0715a011.d	RT		
1505	0715a012.d	IB		
1521	0715a013.d	G/D HCIDS		
1537	0715a014.d	50 PPM DIESEL		
1553	0715a015.d	100 PPM DIESEL		
1608	0715a016.d	250 PPM DIESEL		
1624	0715a017.d	500 PPM DIESEL		
1640	0715a018.d	1000 PPM DIESEL		
1656	0715a019.d	2500 PPM DIESEL		
1712	0715a020.d	DIESEL ICV		
1728	0715a021.d	DIESEL CVS		
1744	0715a022.d	50 PPM JET A		

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

Time	Filename	LabID	ClientId	DF
0002	0715a046.d	MOIL #1		1
0018	0715a047.d	JET A #1		1
0033	0715a048.d	J091MBS1		1
0049	0715a049.d	J091LCSS1		
0104	0715a050.d	J091LCSDS1		
0120	0715a051.d	J091A		
0135	0715a052.d	J091B		
0151	0715a053.d	J091C		
0206	0715a054.d	JP14G		2
0222	0715a055.d	JP14H		5
0237	0715a056.d	JP14L		4
0253	0715a057.d	RINSE		
0308	0715a058.d	DIESEL #2		
0323	0715a059.d	MOIL #2		
0339	0715a060.d	JET A #2		
0354	0715a061.d	JP14N		1
0410	0715a062.d	JP14O		
0425	0715a063.d	RINSE		
0440	0715a064.d	DIESEL #2		
0455	0715a065.d	MOIL #2		

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: 08/02/06 Analysis: JR TPHd Analyst: JK

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/mod/AOV 02/15/06

IS/SS

N/A

Ical/Ccal

RT G/D HCIDS
IB M HCIDS
Diesel
mod
AOV

LCS/ICV

N/A

	Time	Filename	LabID	ClientId	DF
1	0523	0802a001.d	DCM RINSE		1
2	0539	0802a002.d	RT		1
3	0554	0802a003.d	IB		1
4	0609	0802a004.d	DIESEL#1		1
5	0625	0802a005.d	MOIL#1		1
6	0640	0802a006.d	G/D HCIDS		1
7	0655	0802a007.d	M HCIDS		1
8	0711	0802a008.d	JQ36MBS1		1
9	0726	0802a009.d	JQ36LCSS1		1
10	0742	0802a010.d	JR19A		1
11	0757	0802a011.d	JR19B		1
12	0812	0802a012.d	JR19C		1
13	0828	0802a013.d	JR39A		5
14	0843	0802a014.d	JR39MBS1		1
15	0858	0802a015.d	JR39A		1
16	0914	0802a016.d	RINSE		1
17	0929	0802a017.d	DIESEL#2		1
18	0945	0802a018.d	MOIL#2		1
19	1000	0802a019.d	JR19B		10
20	1016	0802a020.d	JQ36A		5
21	1032	0802a021.d	JQ36B		1
22	1047	0802a022.d	JQ36C		5
23	1103	0802a023.d	JQ36D		1
24	1118	0802a024.d	JQ36E		5
25	1134	0802a025.d	JQ36EMS		5
26	1149	0802a026.d	JQ36EMSD		5
27	1205	0802a027.d	JQ36F		1
28	1221	0802a028.d	RINSE		1
29	1236	0802a029.d	DIESEL#3		1
30	1252	0802a030.d	MOIL#3		1
31	1308	0802a031.d	JQ36G		5
32	1323	0802a032.d	JQ36H		1
33	1339	0802a033.d	JQ36I		1
34	1355	0802a034.d	JQ36J		1
35	1410	0802a035.d	JQ36K		1
36	1426	0802a036.d	JQ36L		1
37	1441	0802a037.d	RINSE		1
38	1457	0802a038.d	DIESEL#4		1
39	1512	0802a039.d	MOIL#4		1
40	1528	0802a040.d	TPH SURR		10
41	1544	0802a041.d	HCID SURR		50
42	1559	0802a042.d	RINSE		1
43	1615	0802a043.d	DIESEL#5		1
44	1630	0802a044.d	AOIL#1		1
45	1646	0802a045.d	JR04MBS1	JR04MBS1	1
46	1701	0802a046.d	JR04LCSS1	JR04LCSS1	1
47	1717	0802a047.d	JR04A	F4b-B3	1
48	1733	0802a048.d	JR04B	F4b-B4	1
49	1748	0802a049.d	JR04C	F4b-B6	1
50	1804	0802a050.d	JR04D	F-TP-1	1
51	1819	0802a051.d	JR04E	F-TP-2	1
52	1835	0802a052.d	JR04F	F-TP-3	1
53	1850	0802a053.d	RINSE		1
54	1906	0802a054.d	DIESEL#6		1
55	1922	0802a055.d	AOIL#2		1

JR JK JR 08/07/06

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: JQ36

prepared
by

Analytical Resources, Inc.

Cover Page

INORGANIC ANALYSIS DATA PACKAGE

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

CLIENT ID	ARI ID	ARI LIMS ID	REPREP
T4-S3-07-B	JQ36A	06-12972	
T4-S3-07-BD	JQ36ADUP	06-12972	
T4-S3-07-BS	JQ36ASPK	06-12972	
T4-S3-07-C	JQ36B	06-12973	
PBS	JQ36MB1	06-12973	
LCSS	JQ36MB1SPK	06-12973	
T4-S3-07-D	JQ36C	06-12974	
T4-S3-07-E	JQ36D	06-12975	
T4-S3-04-A	JQ36E	06-12976	
T4-S3-04-B	JQ36F	06-12977	
T4-S3-04-C	JQ36G	06-12978	
T4-S3-04-D	JQ36H	06-12979	
T4-WB-01	JQ36I	06-12980	
T4-WB-02	JQ36J	06-12981	
T4-WB-03	JQ36K	06-12982	
T4-WB-04	JQ36L	06-12983	

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: Jay Kuhn

Date: 8/4/06 Title: Inorganics Manager

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-07-B
DUPLICATE

Lab Sample ID: JQ36A
LIMS ID: 06-12972
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Lead	6010B	57	66	14.6%	+/- 20%	
Zinc	6010B	212	206	2.9%	+/- 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

Sample ID: T4-S3-07-B
MATRIX SPIKE

Lab Sample ID: JQ36A
LIMS ID: 06-12972
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Lead	6010B	57	395	376	89.9%	
Zinc	6010B	212	288	94.1	80.8%	

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: LAB CONTROL

Lab Sample ID: JQ36LCS
LIMS ID: 06-12973
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-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	203	200	102%	
Zinc	6010B	52.0	50.0	104%	

Reported in mg/kg-dry

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

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: JQ36MB
LIMS ID: 06-12973
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-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	07/31/06	6010B	08/02/06	7439-92-1	Lead	2	2	U
3050B	07/31/06	6010B	08/02/06	7440-66-6	Zinc	0.6	0.6	U

U-Analyte undetected at given RL
RL-Reporting Limit

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

UNITS:ug/L

ANALYTE	EL	M	RUN	ICVTV	ICV	%R	CCVTV	CCV1	%R	CCV2	%R	CCV3	%R	CCV4	%R	CCV5	%R
Lead	PB	ICP	IP080221	2000.0	1986.35	**99.3**	2000.0	2025.01	**101.3**	2006.45	**100.3**	1985.60	**99.3**	1995.48	**99.8**	2010.46	**100.5**
Zinc	ZN	ICP	IP080221	1000.0	962.28	**96.2**	1000.0	982.94	**98.3**	978.33	**97.8**	982.69	**98.3**	1010.36	**101.0**	1000.86	**100.1**

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

FORM II (1)

Calibration Verification

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

UNITS:ug/L

ANALYTE	EL	M	RUN	CCVTV	CCV6	%R	CCV7	%R	CCV8	%R	CCV9	%R	CCV10	%R	CCV11	%R
Lead	PB	ICP	IP080221	2000.0	2029.86	**101.5**										
Zinc	ZN	ICP	IP080221	1000.0	1044.05	**104.4**										

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

FORM II (1)

CRDL Standard

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

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	IP080221	20.0	20.59	**103.0**										
Zinc	ZN	ICP	IP080221	6.0	6.04	**100.7**										

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

FORM II (2)

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	ICB	C	CCB1	C	CCB2	C	CCB3	C	CCB4	C	CCB5	C
Lead	PB	ICP	IP080221	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	IP080221	20.0	6.0	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U	6.0	U

Calibration Blanks

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

UNITS:ug/L

ANALYTE	EL	METH	RUN	CRDL	IDL	CCB6	C	CCB7	C	CCB8	C	CCB9	C	CCB10	C	CCB11	C
Lead	PB	ICP	IP080221	3.0	20.0	20.0	U										
Zinc	ZN	ICP	IP080221	20.0	6.0	6.0	U										

ICP Interference Check Sample

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

ICS SOURCE: I.V.

RUNID: IP080221

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	201479.5	202412.7	**101.2**						
Antimony		1000	23.5	1083.9	**108.4**						
Arsenic		1000	11.6	1047.9	**104.8**						
Barium		1000	2.3	1021.8	**102.2**						
Beryllium		1000	0.1	1030.4	**103.0**						
Boron			-4.4	-7.9							
Cadmium		1000	-0.6	1042.3	**104.2**						
Calcium	100000	100000	99871.6	101416.6	**101.4**						
Chromium		1000	1.0	993.4	**99.3**						
Cobalt		1000	-1.8	965.8	**96.6**						
Copper		1000	3.5	1074.1	**107.4**						
Iron	200000	200000	198717.8	204276.3	**102.1**						
Lead		1000	15.3	976.9	**97.7**						
Magnesium	100000	100000	101257.2	102989.7	**103.0**						
Manganese		1000	0.0	991.8	**99.2**						
Molybdenum			4.8	4.4							
Nickel		1000	-2.3	972.1	**97.2**						
Potassium			78.5	178.5							
Selenium		1000	-77.5	940.5	**94.1**						
Silicon			-21.4	-31.3							
Silver		1000	-0.9	1017.6	**101.8**						
Sodium			28.2	19.2							
Strontium			1.2	1.4							
Thallium		1000	-36.3	931.5	**93.2**						
Tin			-4.5	-5.6							
Titanium			6.0	11.7							
Vanadium		1000	2.1	1050.6	**105.1**						
Zinc		1000	-4.4	978.0	**97.8**						

IDLs and ICP Linear Ranges

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

IDL DATE: 6/1/2006

PROJECT: T4 EARLY ACTION

ICP LR DATE: 6/19/1906

SDG: JQ36

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: JQ36

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

ICP Interelement Correction Factors

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

IEC DATE: 6/19/2006

SDG: JQ36

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	0.000000C
Antimony	206.84	0.0000000	0.0000000	0.0000000	-0.3295220	0.0000000	0.0000000	-0.8642410	0.0000000	-3.4575900	0.000000C
Arsenic	188.98	0.0000000	0.0000000	0.9150530	0.0000000	0.0000000	0.0000000	2.5519000	0.0000000	0.0000000	0.149276C
Barium	233.53	0.0000000	0.0000000	0.0000000	0.1240640	0.0000000	0.0000000	0.0000000	0.0000000	0.4604860	0.000000C
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.5675800	0.000000C
Cadmium	228.80	0.0000000	0.0000000	0.0000000	-0.2000800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Chromium	267.72	0.1529370	0.5096240	0.1429920	0.0000000	0.0000000	0.0000000	0.0965822	0.0000000	0.1796520	0.000000C
Cobalt	228.62	0.0000000	0.0000000	-0.3795350	0.0320069	0.0000000	0.0000000	1.7290300	0.0000000	0.0000000	0.000000C
Copper	324.75	0.0085698	0.0000000	0.7344770	0.0000000	0.0000000	0.0000000	0.2196270	0.0000000	0.0000000	0.000000C
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.7593200	0.000000C
Lead	220.35	0.0000000	0.0000000	-0.3190660	-0.1742160	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Magnesium	279.08	0.0000000	0.0000000	-3.2635900	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Manganese	257.61	0.0170007	0.0000000	0.0000000	0.0000000	-0.2391890	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Molybdenum	202.03	0.0236906	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.5765410	0.0000000	0.0000000	0.0000000	0.000000C
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Selenium	196.03	0.0000000	1.1348600	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Silver	328.07	0.0000000	0.1621690	0.1065380	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	-0.3119270	0.000000C
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	250.8830000	0.0000000	0.0000000	252.099000C
Thallium	190.80	0.0000000	0.0000000	-3.5954300	0.0000000	0.0000000	0.0000000	0.8751120	0.0000000	2.2588300	0.000000C
Tin	189.93	0.0270703	0.0000000	0.0000000	0.0000000	-0.0530103	-1.8271700	0.1974990	0.0000000	0.0000000	0.000000C
Titanium	334.90	0.0000000	0.0000000	1.0370700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C
Vanadium	292.40	0.0000000	-0.1494890	-0.7380980	0.0000000	0.0000000	0.0000000	0.4684280	0.0000000	0.0000000	0.000000C
Zinc	206.20	0.0000000	0.0000000	0.3271770	0.0000000	-0.0935990	0.0000000	0.0000000	0.0000000	0.0000000	0.000000C

Preparation Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION

SDG: JQ36

ANALYSIS METHOD: ICP

ARI PREP CODE: SWC

PREPDATE: 7/31/2006

CLIENT ID	ARI ID	MASS (g)	INITIAL VOLUME (mL)	FINAL VOLUME (mL)
T4-S3-07-B	JQ36A	1.019	0.0	50.0
T4-S3-07-BD	JQ36ADUP	1.016	0.0	50.0
T4-S3-07-BS	JQ36ASPK	1.017	0.0	50.0
T4-S3-07-C	JQ36B	1.056	0.0	50.0
T4-S3-07-D	JQ36C	1.092	0.0	50.0
T4-S3-07-E	JQ36D	1.047	0.0	50.0
T4-S3-04-A	JQ36E	1.020	0.0	50.0
T4-S3-04-B	JQ36F	1.086	0.0	50.0
T4-S3-04-C	JQ36G	1.058	0.0	50.0
T4-S3-04-D	JQ36H	1.026	0.0	50.0
T4-WB-01	JQ36I	1.010	0.0	50.0
T4-WB-02	JQ36J	1.041	0.0	50.0
T4-WB-03	JQ36K	1.039	0.0	50.0
T4-WB-04	JQ36L	1.038	0.0	50.0
PBS	JQ36MB1	1.000	0.0	50.0
LCSS	JQ36MB1SPK	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: 8/2/2006

SDG: JQ36 | RUNID: IP080221 METHOD: ICP | END DATE: 8/2/2006

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	ZZZZZZ	1.00	09195																														
S0	S0	1.00	09330																					X									X
S2	S2	1.00	09392																														
S3	S3	1.00	09433																					X									X
S4	S4	1.00	09482																														
S5	S5	1.00	09525																														
ICV	ICV	1.00	10284																					X									X
ICB	ICB	1.00	10351																					X									X
ZZZZZZ	ZZZZZZ	1.00	10413																														
S0	S0	1.00	10482																					X									X
CCV	CCV1	1.00	10532																					X									X
CCB	CCB1	1.00	10594																					X									X
CRI	CRII	1.00	11060																					X									X
ICSA	ICSAI	1.00	11122																					X									X
ICSAB	ICSABI	1.00	11185																					X									X
CCV	CCV2	1.00	11250																					X									X
CCB	CCB2	1.00	11313																					X									X
ZZZZZZ	MDL1	1.00	11363																														
ZZZZZZ	MDL2	1.00	11430																														
ZZZZZZ	MDL3	1.00	11492																														
ZZZZZZ	MDL4	1.00	11555																														
ZZZZZZ	MDL5	1.00	12021																														
ZZZZZZ	MDL6	1.00	12083																														
ZZZZZZ	MDL7	1.00	12150																														
ZZZZZZ	MDL8	1.00	12212																														
ZZZZZZ	MDL9	1.00	12275																														
ZZZZZZ	MDL10	1.00	12341																														
CCV	CCV3	1.00	12403																					X									X
CCB	CCB3	1.00	12470																					X									X
ZZZZZZ	JR06B	10.00	12532																														
ZZZZZZ	JR06C	5.00	13001																														
ZZZZZZ	JR06E	10.00	13064																														
ZZZZZZ	JR06H	10.00	13133																														
CCV	CCV4	1.00	13201																					X									X
CCB	CCB4	1.00	13264																					X									X

FORM XIV

Analysis Run Log

ANALYTICAL RESOURCES INCORPORATED

CLIENT: Anchor Environmental

PROJECT: T4 EARLY ACTION | INSTRUMENT ID: OPTIMA ICP 1 | START DATE: 8/2/2006

SDG: JQ36 | RUNID: IP080221 | METHOD: ICP | END DATE: 8/2/2006

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
PBS	JQ36MB1	2.00	13322																					X									X
T4-S3-07-C	JQ36B	2.00	13384																					X									X
T4-S3-07-D	JQ36C	2.00	13451																					X									X
T4-S3-07-E	JQ36D	2.00	13515																					X									X
T4-S3-04-A	JQ36E	2.00	13583																					X									X
T4-S3-04-B	JQ36F	2.00	14050																					X									X
T4-S3-07-BD	JQ36ADUP	2.00	14115																					X									X
T4-S3-07-B	JQ36A	2.00	14182																					X									X
T4-S3-07-BS	JQ36ASPK	2.00	14250																					X									X
LCSS	JQ36MB1SPK	2.00	14313																					X									X
CCV	CCV5	1.00	14381																					X									X
CCB	CCB5	1.00	14444																					X									X
ZZZZZZ	JQ52MB1	2.00	14510																														
T4-S3-04-C	JQ36G	2.00	14573																					X									X
T4-S3-04-D	JQ36H	2.00	15040																					X									X
T4-WB-01	JQ36I	2.00	15104																					X									X
T4-WB-02	JQ36J	2.00	15172																					X									X
T4-WB-03	JQ36K	2.00	15241																					X									X
T4-WB-04	JQ36L	2.00	15310																					X									X
ZZZZZZ	JQ52B	2.00	15374																														
ZZZZZZ	JQ52C	2.00	15442																														
ZZZZZZ	JQ52MB1SPK	2.00	15510																														
CCV	CCV6	1.00	15575																					X									X
CCB	CCB6	1.00	16041																					X									X

FORM XIV

Metals Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-07-B
SAMPLE

Lab Sample ID: JQ36A
LIMS ID: 06-12972
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 52.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	4	**57**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**212**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-07-C
SAMPLE

Lab Sample ID: JQ36B
LIMS ID: 06-12973
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 54.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	3	**53**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**156**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-07-D
SAMPLE

Lab Sample ID: JQ36C
LIMS ID: 06-12974
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 64.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	3	**81**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	0.8	**217**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-07-E
SAMPLE

Lab Sample ID: JQ36D
LIMS ID: 06-12975
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 79.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	2	**14**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	0.7	**57.5**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-04-A
SAMPLE

Lab Sample ID: JQ36E
LIMS ID: 06-12976
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 57.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	3	**435**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**460**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-04-B
SAMPLE

Lab Sample ID: JQ36F
LIMS ID: 06-12977
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 71.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	3	**206**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	0.8	**252**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-04-C
SAMPLE

Lab Sample ID: JQ36G
LIMS ID: 06-12978
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 75.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	3	**276**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	0.8	**343**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-S3-04-D
SAMPLE

Lab Sample ID: JQ36H
LIMS ID: 06-12979
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 83.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	2	**111**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	0.7	**141**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-WB-01
SAMPLE

Lab Sample ID: JQ36I
LIMS ID: 06-12980
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 40.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	5	**30**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**129**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-WB-02
SAMPLE

Lab Sample ID: JQ36J
LIMS ID: 06-12981
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 51.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	4	**35**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**141**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-WB-03
SAMPLE

Lab Sample ID: JQ36K
LIMS ID: 06-12982
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 42.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	5	**24**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**127**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: T4-WB-04
SAMPLE

Lab Sample ID: JQ36L
LIMS ID: 06-12983
Matrix: Sediment
Data Release Authorized:
Reported: 08/04/06

QC Report No: JQ36-Anchor Environmental
Project: T4 EARLY ACTION
050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Percent Total Solids: 44.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/31/06	6010B	08/02/06	**7439-92-1**	**Lead**	4	**20**	
3050B	07/31/06	6010B	08/02/06	**7440-66-6**	**Zinc**	1	**112**	

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: JQ36

prepared
by

Analytical Resources, Inc.

OPTIMA ICP SAMPLE RUN LOG

IEC Date: 6.19.06 Analysis Date: 8.02.06 Analyst: JAB

LR Date: 6.19.06 Page: 1 of 6

All corrections made by analyst unless otherwise noted. 8.2.06 JB

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
2		~~STD 1~~ STD 1			2290-10
		2			-11
		3			-12
		4			2291-1
		5			-2
		ICV			2291-9
		ICB			
7		~~CRI~~ 222222			
		STD1			
		CCV1			
		CCB1			
		CRI			Mn ~low
		ICSA			
		ICSAB			
		CCV2			
		CCB2			
		MDL1			TWC JQ42 H+I mix
		2			
		3			
		4			
		5			
		6			
		7			
		8			

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.02.06 Analyst: JB

LR Date: — Page: 2 of 6

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		MDL 9			
		↓ 10			
		CCV3			
		CCB3			
		JR06 B	SWC	10	
		C		2	
		E		10	
		H			
		CCV4			
		CCB4			
		JQ36 MB1	SWC	2	✓
		B			
		C			
		D			
		E			
		F			
		ADUP			✓
		A			
		ASPK			✓
		MB1SPK			✓
		CCV5			
		CCB5			
		JQ52 MB1	SWC	2	Zn 0.199 ppm
		JQ36 9			

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 8.02.06 Analyst: JLB

LR Date: — Page: 3 of 6

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		JQ36 H	SWC	2	
		I			
		J			
		K			
		L			
	✓	JQ52 B			rerun 5x (Fe)
		C			
		MB1spk			✓
		CCV6			
		CCB6			
	✓	~~JQ52 MB1~~	~~SWC~~	~~2~~	~~confirms orig.~~
		D			
		ADUP			Pb 22.2%
		A			
		A spk			✓
		JQ69 A	TWC		
		B			
		C			
		D			
		MB spk			✓
		CCV7			
		CCB7			
		~~JQ69 MB1~~	~~TWC~~		~~2x 0.0073~~ rerun
		E			4.13.4

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: ICP ~~ICP~~-MS GFA CVA **Analysis Date:** 8.2.06

	Analyst JB 8.3.06	Peer BW 8.3	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	✓	✓	
ICB/CCB	✓	✓	
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	✓	✓	
Carry-over	✓	✓	
Method QC:			
CRI/CRA	✓	✓	
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	—	—	
Analytic Spikes	—	—	
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	
Matrix Duplicates	✓	✓	JQ52
Method Blanks	✓	✓	JQ52 CAF JQ69
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	✓	✓	JQ52 JQ69

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

==========

8/2/2006 9:17:43 AM Hg ReAlign... Actual peak offset (nm): -0.002
Drift (nm): 0.001 Slit adjustment: 2

==========

==========

Analysis Begun

Start Time: 8/2/2006 9:19:58 AM
Plasma On Time: 8/2/2006 8:17:01 AM
Logged In Analyst: metals
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N0060101**Autosampler Model:** AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060802
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
Sample ID: ~~Calib Blank 1~~ 222222
Analyst:
Initial Sample Wt: 8.2.6 JR3
Dilution:
Autosampler Location: 1
Date Collected: 8/2/2006 9:19:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1670169.6	10297.16	0.62%	100.0	%
ScR 361.383	196497.8	840.50	0.43%	100.0	%
Ag 328.068†	790.0	41.25	5.22%	[0.00]	mg/L
Al 308.215†	-212.8	2.19	1.03%	[0.00]	mg/L
As 188.979†	22.3	2.31	10.36%	[0.00]	mg/L
B 249.677†	-12.8	8.70	67.84%	[0.00]	mg/L
Ba 233.527†	29.7	2.25	7.58%	[0.00]	mg/L
Be 313.042†	1345.4	9.04	0.67%	[0.00]	mg/L
Ca 317.933†	126.9	32.74	25.80%	[0.00]	mg/L
Cd 228.802†	125.8	1.37	1.09%	[0.00]	mg/L
Co 228.616†	10.8	4.52	41.79%	[0.00]	mg/L
Cr 267.716†	29.7	4.31	14.48%	[0.00]	mg/L
Cu 324.752†	3192.6	25.02	0.78%	[0.00]	mg/L
Fe 273.955†	-29.3	1.56	5.33%	[0.00]	mg/L
K 766.490†	1859.6	91.18	4.90%	[0.00]	mg/L
Mg 279.077†	-93.9	16.07	17.12%	[0.00]	mg/L
Mn 257.610†	161.2	1.92	1.19%	[0.00]	mg/L
Mo 202.031†	-31.5	1.23	3.91%	[0.00]	mg/L
Na 589.592†	-655.5	24.59	3.75%	[0.00]	mg/L
Na 330.237†	-127.3	13.45	10.57%	[0.00]	mg/L
Ni 231.604†	1.1	1.19	106.48%	[0.00]	mg/L
Pb 220.353†	161.6	5.28	3.27%	[0.00]	mg/L
Sb 206.836†	15.3	2.48	16.16%	[0.00]	mg/L
Se 196.026†	-85.2	2.37	2.78%	[0.00]	mg/L
Si 288.158†	-86.0	3.73	4.34%	[0.00]	mg/L
Sn 189.927†	13.1	3.59	27.32%	[0.00]	mg/L
Sr 421.552†	-1162.3	16.56	1.42%	[0.00]	mg/L
Ti 334.903†	-185.8	12.93	6.96%	[0.00]	mg/L
Tl 190.801†	-11.6	3.34	28.84%	[0.00]	mg/L
V 292.402†	-15.1	1.17	7.79%	[0.00]	mg/L
Zn 206.200†	-0.8	0.47	55.67%	[0.00]	mg/L

==========

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

Autosampler Location: 2
Date Collected: 8/2/2006 9:26:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

==========

Analysis Begun

Start Time: 8/2/2006 9:33:04 AM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101

Plasma On Time: 8/2/2006 8:17:01 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET.sif
Batch ID:
Results Data Set: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/2/2006 9:33:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1691110.3	4312.53	0.26%	100.0	%
ScR 361.383	193584.2	3258.50	1.68%	100.0	%
Ag 328.068†	816.0	15.64	1.92%	[0.00]	mg/L
Al 308.215†	-185.1	7.57	4.09%	[0.00]	mg/L
As 188.979†	26.3	3.38	12.84%	[0.00]	mg/L
B 249.677†	-15.2	2.34	15.40%	[0.00]	mg/L
Ba 233.527†	28.0	1.28	4.59%	[0.00]	mg/L
Be 313.042†	1322.5	40.83	3.09%	[0.00]	mg/L
Ca 317.933†	113.3	20.43	18.03%	[0.00]	mg/L
Cd 228.802†	134.6	1.69	1.25%	[0.00]	mg/L
Co 228.616†	5.2	7.21	137.37%	[0.00]	mg/L
Cr 267.716†	33.4	1.87	5.61%	[0.00]	mg/L
Cu 324.752†	3246.0	9.22	0.28%	[0.00]	mg/L
Fe 273.955†	-28.8	3.39	11.79%	[0.00]	mg/L
K 766.490†	1855.9	14.64	0.79%	[0.00]	mg/L
Mg 279.077†	-89.3	7.45	8.34%	[0.00]	mg/L
Mn 257.610†	155.2	4.67	3.01%	[0.00]	mg/L
Mo 202.031†	-29.3	0.99	3.39%	[0.00]	mg/L
Na 589.592†	-653.8	20.21	3.09%	[0.00]	mg/L
Na 330.237†	-118.0	3.96	3.36%	[0.00]	mg/L
Ni 231.604†	0.7	0.81	123.89%	[0.00]	mg/L
Pb 220.353†	161.3	5.73	3.55%	[0.00]	mg/L
Sb 206.836†	14.7	1.66	11.28%	[0.00]	mg/L
Se 196.026†	-85.0	3.80	4.46%	[0.00]	mg/L
Si 288.158†	-87.9	11.64	13.24%	[0.00]	mg/L
Sn 189.927†	11.3	1.26	11.14%	[0.00]	mg/L
Sr 421.552†	-1219.0	37.19	3.05%	[0.00]	mg/L
Ti 334.903†	-172.5	19.10	11.07%	[0.00]	mg/L
Tl 190.801†	-9.7	3.53	36.50%	[0.00]	mg/L
V 292.402†	-7.6	14.63	193.28%	[0.00]	mg/L
Zn 206.200†	-1.7	1.22	72.48%	[0.00]	mg/L

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

Autosampler Location: 2
Date Collected: 8/2/2006 9:39:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1662270.8	4611.55	0.28%	98.29	%
ScR 361.383	192318.3	162.48	0.08%	99.35	%
Ba 233.527†	29588.7	46.20	0.16%	[10]	mg/L
Cd 228.802†	299396.7	514.05	0.17%	[10]	mg/L
Co 228.616†	339537.7	556.99	0.16%	[10]	mg/L
Cr 267.716†	75344.3	152.17	0.20%	[10]	mg/L
Cu 324.752†	2617844.2	4772.01	0.18%	[10]	mg/L
Mn 257.610†	274523.4	534.72	0.19%	[10]	mg/L
V 292.402†	2606053.4	3662.22	0.14%	[10]	mg/L

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

Autosampler Location: 3
Date Collected: 8/2/2006 9:43:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1637786.4	5552.38	0.34%	96.85	%
ScR 361.383	191857.8	394.66	0.21%	99.11	%
Ag 328.068†	292540.9	475.88	0.16%	[1.0]	mg/L
As 188.979†	8738.1	83.08	0.95%	[10]	mg/L
B 249.677†	32749.3	85.25	0.26%	[10]	mg/L
Be 313.042†	3089419.7	7501.11	0.24%	[5.0]	mg/L
Na 589.592†	310387.9	892.88	0.29%	[50]	mg/L
Ni 231.604†	18622.3	58.41	0.31%	[10]	mg/L
Pb 220.353†	81984.5	545.00	0.66%	[10]	mg/L
Se 196.026†	12095.2	98.71	0.82%	[10]	mg/L
Sr 421.552†	3310047.6	6660.27	0.20%	[5]	mg/L
Tl 190.801†	10555.5	75.98	0.72%	[10]	mg/L
Zn 206.200†	9280.7	31.88	0.34%	[10]	mg/L

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

Autosampler Location: 4
Date Collected: 8/2/2006 9:48:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	192.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1687611.8	4885.23	0.29%	99.79	%
ScR 361.383	195795.9	1396.72	0.71%	101.1	%
Mo 202.031†	97735.1	910.92	0.93%	[10]	mg/L
Sb 206.836†	10420.1	39.10	0.38%	[10]	mg/L
Si 288.158†	14302.7	166.39	1.16%	[10]	mg/L
Sn 189.927†	40665.1	224.77	0.55%	[10]	mg/L
Ti 334.903†	243844.5	697.17	0.29%	[10]	mg/L

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

Autosampler Location: 5
Date Collected: 8/2/2006 9:52:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	191.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1576503.0	1409.30	0.09%	93.22	%
ScR 361.383	186447.9	1897.86	1.02%	96.31	%
Al 308.215†	41002.7	655.00	1.60%	[30]	mg/L
Ca 317.933†	548142.5	905.24	0.17%	[30]	mg/L
Fe 273.955†	94015.0	1154.91	1.23%	[100]	mg/L
K 766.490†	120811.5	806.69	0.67%	[100]	mg/L
Mg 279.077†	41210.3	604.16	1.47%	[30]	mg/L
Na 330.237†	3018.1	37.47	1.24%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	292500	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1367	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	873.8	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	3275	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	2959	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	617900	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	18270	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	29940	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	33950	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	7534	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	261800	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	940.2	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1208	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1374	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	27450	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	9774	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	6208	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	30.18	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1862	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	8198	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	1042	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1210	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1430	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	4067	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	662000	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	24380	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1056	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	260600	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	928.1	0.00000	1.000000	

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Analysis Begun

Start Time: 8/2/2006 10:28:46 AM
Plasma On Time: 8/2/2006 8:17:01 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: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1
Autosampler Location: 7
Sample ID: ICV
Date Collected: 8/2/2006 10:28:47 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	191.0 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	1619472.8	95.76	%	0.342				0.36%
ScR 361.383	189508.4	97.89	%	0.176				0.18%
Ag 328.068†	286648.2	0.9800	mg/L	0.01260	0.9800	mg/L	0.01260	1.29%
Al 308.215†	2706.0	1.943	mg/L	0.0058	1.943	mg/L	0.0058	0.30%
As 188.979†	1725.3	1.970	mg/L	0.0088	1.970	mg/L	0.0088	0.45%
B 249.677†	3107.6	0.9523	mg/L	0.00162	0.9523	mg/L	0.00162	0.17%
Ba 233.527†	2821.5	0.9531	mg/L	0.00173	0.9531	mg/L	0.00173	0.18%
Be 313.042†	600027.9	0.9696	mg/L	0.00296	0.9696	mg/L	0.00296	0.31%
Ca 317.933†	36891.7	2.019	mg/L	0.0035	2.019	mg/L	0.0035	0.17%
Cd 228.802†	30627.8	1.020	mg/L	0.0147	1.020	mg/L	0.0147	1.44%
Co 228.616†	33245.7	0.9775	mg/L	0.01399	0.9775	mg/L	0.01399	1.43%
Cr 267.716†	7107.7	0.9423	mg/L	0.00065	0.9423	mg/L	0.00065	0.07%
Cu 324.752†	269138.7	1.028	mg/L	0.0131	1.028	mg/L	0.0131	1.28%
Fe 273.955†	1864.4	1.981	mg/L	0.0108	1.981	mg/L	0.0108	0.54%
K 766.490†	24309.6	20.12	mg/L	0.060	20.12	mg/L	0.060	0.30%
Mg 279.077†	2711.4	1.978	mg/L	0.0083	1.978	mg/L	0.0083	0.42%
Mn 257.610†	26053.3	0.9495	mg/L	0.00571	0.9495	mg/L	0.00571	0.60%
Mo 202.031†	9791.8	1.002	mg/L	0.0164	1.002	mg/L	0.0164	1.64%
Na 589.592†	311081.9	50.11	mg/L	0.049	50.11	mg/L	0.049	0.10%
Na 330.237†	1535.6	50.87	mg/L	0.079	50.87	mg/L	0.079	0.15%
Ni 231.604†	1790.1	0.9624	mg/L	0.00425	0.9624	mg/L	0.00425	0.44%
Pb 220.353†	16269.0	1.986	mg/L	0.0317	1.986	mg/L	0.0317	1.60%
Sb 206.836†	2015.3	1.935	mg/L	0.0168	1.935	mg/L	0.0168	0.87%
Se 196.026†	2398.5	1.982	mg/L	0.0039	1.982	mg/L	0.0039	0.20%
Si 288.158†	2869.8	2.008	mg/L	0.0049	2.008	mg/L	0.0049	0.24%
Sn 189.927†	3811.1	0.9409	mg/L	0.00327	0.9409	mg/L	0.00327	0.35%
Sr 421.552†	653346.5	0.9869	mg/L	0.00240	0.9869	mg/L	0.00240	0.24%
Ti 334.903†	24361.9	0.9978	mg/L	0.00218	0.9978	mg/L	0.00218	0.22%
Tl 190.801†	2072.5	1.960	mg/L	0.0078	1.960	mg/L	0.0078	0.40%
V 292.402†	257849.7	0.9965	mg/L	0.01381	0.9965	mg/L	0.01381	1.39%
Zn 206.200†	893.8	0.9623	mg/L	0.00140	0.9623	mg/L	0.00140	0.15%

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

Autosampler Location: 1
Date Collected: 8/2/2006 10:35:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	192.0 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	1651570.4	97.66	%	0.403				0.41%
ScR 361.383	188407.6	97.33	%	0.846				0.87%
Ag 328.068†	34.2	0.00012	mg/L	0.000141	0.00012	mg/L	0.000141	120.68%
Al 308.215†	-1.0	-0.00071	mg/L	0.017406	-0.00071	mg/L	0.017406	>999.9%
As 188.979†	-2.2	-0.00252	mg/L	0.004439	-0.00252	mg/L	0.004439	176.27%
B 249.677†	16.1	0.00491	mg/L	0.001618	0.00491	mg/L	0.001618	32.96%
Ba 233.527†	0.8	0.00026	mg/L	0.000702	0.00026	mg/L	0.000702	272.47%
Be 313.042†	33.9	0.00005	mg/L	0.000015	0.00005	mg/L	0.000015	26.43%
Ca 317.933†	-6.9	-0.00038	mg/L	0.001053	-0.00038	mg/L	0.001053	280.16%
Cd 228.802†	4.0	0.00014	mg/L	0.000086	0.00014	mg/L	0.000086	62.31%
Co 228.616†	2.9	0.00008	mg/L	0.000194	0.00008	mg/L	0.000194	231.99%
Cr 267.716†	-1.3	-0.00017	mg/L	0.001117	-0.00017	mg/L	0.001117	659.97%
Cu 324.752†	4.4	0.00002	mg/L	0.000171	0.00002	mg/L	0.000171	>999.9%
Fe 273.955†	2.1	0.00223	mg/L	0.000972	0.00223	mg/L	0.000972	43.62%
K 766.490†	66.0	0.05460	mg/L	0.022083	0.05460	mg/L	0.022083	40.44%
Mg 279.077†	-25.7	-0.01873	mg/L	0.008871	-0.01873	mg/L	0.008871	47.35%
Mn 257.610†	2.0	0.00007	mg/L	0.000056	0.00007	mg/L	0.000056	75.18%
Mo 202.031†	4.4	0.00045	mg/L	0.000234	0.00045	mg/L	0.000234	52.00%
Na 589.592†	74.6	0.01201	mg/L	0.001011	0.01201	mg/L	0.001011	8.42%
Na 330.237†	6.2	0.2041	mg/L	0.65139	0.2041	mg/L	0.65139	319.11%
Ni 231.604†	1.0	0.00052	mg/L	0.002434	0.00052	mg/L	0.002434	463.83%
Pb 220.353†	21.4	0.00261	mg/L	0.000330	0.00261	mg/L	0.000330	12.63%
Sb 206.836†	2.1	0.00208	mg/L	0.000600	0.00208	mg/L	0.000600	28.91%
Se 196.026†	3.9	0.00321	mg/L	0.004004	0.00321	mg/L	0.004004	124.89%
Si 288.158†	4.4	0.00309	mg/L	0.003852	0.00309	mg/L	0.003852	124.58%
Sn 189.927†	5.9	0.00146	mg/L	0.000430	0.00146	mg/L	0.000430	29.50%
Sr 421.552†	29.5	0.00004	mg/L	0.000100	0.00004	mg/L	0.000100	225.22%
Ti 334.903†	12.0	0.00049	mg/L	0.000983	0.00049	mg/L	0.000983	200.21%
Tl 190.801†	0.3	0.00027	mg/L	0.000737	0.00027	mg/L	0.000737	273.07%
V 292.402†	3.0	0.00001	mg/L	0.000061	0.00001	mg/L	0.000061	576.51%
Zn 206.200†	3.5	0.00378	mg/L	0.001285	0.00378	mg/L	0.001285	34.03%

Sequence No.: 3
Sample ID: ~~CRI~~ zzzzzz
Analyst:
Initial Sample Wt:
Dilution: 1X 8.2.6 WB

Autosampler Location: 8
Date Collected: 8/2/2006 10:41:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	192.0 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	1662342.8	98.30	%	0.392				0.40%
ScR 361.383	190946.9	98.64	%	0.394				0.40%
Ag 328.068†	802.7	0.00275	mg/L	0.000138	0.00275	mg/L	0.000138	5.03%
Al 308.215†	46.3	0.03375	mg/L ✓	0.010274	0.03375	mg/L	0.010274	30.44%
As 188.979†	43.3	0.04955	mg/L	0.000630	0.04955	mg/L	0.000630	1.27%
B 249.677†	68.0	0.02078	mg/L	0.002213	0.02078	mg/L	0.002213	10.65%
Ba 233.527†	5.8	0.00194	mg/L ✓	0.000080	0.00194	mg/L	0.000080	4.13%
Be 313.042†	608.3	0.00098	mg/L	0.000021	0.00098	mg/L	0.000021	2.15%
Ca 317.933†	949.5	0.05197	mg/L	0.001484	0.05197	mg/L	0.001484	2.86%
Cd 228.802†	60.9	0.00197	mg/L	0.000121	0.00197	mg/L	0.000121	6.13%
Co 228.616†	97.0	0.00285	mg/L	0.000063	0.00285	mg/L	0.000063	2.21%
Cr 267.716†	47.9	0.00636	mg/L ✓	0.000282	0.00636	mg/L	0.000282	4.44%
Cu 324.752†	540.2	0.00206	mg/L	0.000040	0.00206	mg/L	0.000040	1.96%
Fe 273.955†	48.3	0.05137	mg/L	0.001165	0.05137	mg/L	0.001165	2.27%
K 766.490†	643.7	0.5329	mg/L	0.04292	0.5329	mg/L	0.04292	8.05%
Mg 279.077†	47.8	0.03482	mg/L ✓	0.003226	0.03482	mg/L	0.003226	9.26%
Mn 257.610†	30.4	0.00111	mg/L	0.000091	0.00111	mg/L	0.000091	8.19%
Mo 202.031†	48.7	0.00499	mg/L	0.000323	0.00499	mg/L	0.000323	6.47%
Na 589.592†	3307.1	0.5327	mg/L	0.00143	0.5327	mg/L	0.00143	0.27%
Na 330.237†	-7.5	-0.2482	mg/L	0.40473	-0.2482	mg/L	0.40473	163.05%
Ni 231.604†	20.6	0.01112	mg/L	0.002554	0.01112	mg/L	0.002554	22.98%
Pb 220.353†	181.2	0.02212	mg/L	0.000656	0.02212	mg/L	0.000656	2.96%
Sb 206.836†	53.2	0.05112	mg/L	0.001848	0.05112	mg/L	0.001848	3.61%
Se 196.026†	61.7	0.05101	mg/L	0.000645	0.05101	mg/L	0.000645	1.26%
Si 288.158†	94.4	0.06605	mg/L	0.004225	0.06605	mg/L	0.004225	6.40%
Sn 189.927†	43.7	0.01085	mg/L	0.000421	0.01085	mg/L	0.000421	3.88%
Sr 421.552†	747.9	0.00113	mg/L	0.000010	0.00113	mg/L	0.000010	0.87%
Ti 334.903†	132.4	0.00542	mg/L	0.001085	0.00542	mg/L	0.001085	20.01%
Tl 190.801†	52.5	0.04970	mg/L	0.000365	0.04970	mg/L	0.000365	0.73%
V 292.402†	769.4	0.00300	mg/L	0.000121	0.00300	mg/L	0.000121	4.04%
Zn 206.200†	7.0	0.00751	mg/L (VG)	0.000598	0.00751	mg/L	0.000598	7.97%

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Analysis Begun

Start Time: 8/2/2006 10:48:22 AM
Plasma On Time: 8/2/2006 8:17:01 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: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 8
Autosampler Location:
Sample ID: Calib Blank 1
Date Collected: 8/2/2006 10:48:22 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	192.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1662875.1	9655.70	0.58%	98.33	%
ScR 361.383	195254.1	1852.97	0.95%	100.9	%
Ag 328.068†	827.0	51.90	6.27%	[0.00]	mg/L
Al 308.215†	-172.2	1.75	1.01%	[0.00]	mg/L
As 188.979†	25.0	4.69	18.76%	[0.00]	mg/L
B 249.677†	-8.6	1.29	15.00%	[0.00]	mg/L
Ba 233.527†	28.3	2.61	9.20%	[0.00]	mg/L
Be 313.042†	1321.2	40.43	3.06%	[0.00]	mg/L
Ca 317.933†	108.1	3.72	3.44%	[0.00]	mg/L
Cd 228.802†	130.8	1.76	1.34%	[0.00]	mg/L
Co 228.616†	3.4	6.28	186.66%	[0.00]	mg/L
Cr 267.716†	40.6	1.74	4.28%	[0.00]	mg/L
Cu 324.752†	3239.2	15.41	0.48%	[0.00]	mg/L
Fe 273.955†	-27.6	0.78	2.84%	[0.00]	mg/L
K 766.490†	1866.9	24.66	1.32%	[0.00]	mg/L
Mg 279.077†	-96.9	21.36	22.05%	[0.00]	mg/L
Mn 257.610†	166.0	4.77	2.87%	[0.00]	mg/L
Mo 202.031†	-27.7	1.62	5.83%	[0.00]	mg/L
Na 589.592†	-648.3	32.16	4.96%	[0.00]	mg/L
Na 330.237†	-117.5	7.67	6.53%	[0.00]	mg/L
Ni 231.604†	1.0	3.44	335.38%	[0.00]	mg/L
Pb 220.353†	171.4	2.20	1.28%	[0.00]	mg/L
Sb 206.836†	15.4	1.00	6.49%	[0.00]	mg/L
Se 196.026†	-83.2	0.49	0.59%	[0.00]	mg/L
Si 288.158†	-86.1	7.14	8.28%	[0.00]	mg/L
Sn 189.927†	12.9	1.00	7.77%	[0.00]	mg/L
Sr 421.552†	-1186.8	83.96	7.07%	[0.00]	mg/L
Ti 334.903†	-184.3	13.50	7.33%	[0.00]	mg/L
Tl 190.801†	-8.7	1.31	15.01%	[0.00]	mg/L
V 292.402†	-31.7	52.67	166.28%	[0.00]	mg/L
Zn 206.200†	0.0	0.84	>999.9%	[0.00]	mg/L

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Analysis Begun

Start Time: 8/2/2006 10:53:20 AM **Plasma On Time: 8/2/2006 8:17:01 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: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 7**
Sample ID: CV **Date Collected: 8/2/2006 10:53:20 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	192.0 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	1612487.9	95.35	%	0.241				0.25%
ScR 361.383	187807.6	97.02	%	0.647				0.67%
Ag 328.068†	289514.2	0.9898	mg/L	0.00331	0.9898	mg/L	0.00331	0.33%
Al 308.215†	2725.3	1.956	mg/L	0.0114	1.956	mg/L	0.0114	0.59%
As 188.979†	1736.3	1.982	mg/L	0.0037	1.982	mg/L	0.0037	0.19%
B 249.677†	3154.7	0.9667	mg/L	0.00479	0.9667	mg/L	0.00479	0.50%
Ba 233.527†	2869.5	0.9693	mg/L	0.00679	0.9693	mg/L	0.00679	0.70%
Be 313.042†	607556.5	0.9817	mg/L	0.00292	0.9817	mg/L	0.00292	0.30%
Ca 317.933†	37361.1	2.045	mg/L	0.0065	2.045	mg/L	0.0065	0.32%
Cd 228.802†	31019.5	1.033	mg/L	0.0055	1.033	mg/L	0.0055	0.53%
Co 228.616†	33669.1	0.9900	mg/L	0.00278	0.9900	mg/L	0.00278	0.28%
Cr 267.716†	7206.5	0.9554	mg/L	0.00887	0.9554	mg/L	0.00887	0.93%
Cu 324.752†	271605.8	1.037	mg/L	0.0033	1.037	mg/L	0.0033	0.32%
Fe 273.955†	1908.0	2.027	mg/L	0.0164	2.027	mg/L	0.0164	0.81%
K 766.490†	24381.5	20.18	mg/L	0.041	20.18	mg/L	0.041	0.20%
Mg 279.077†	2757.7	2.011	mg/L	0.0196	2.011	mg/L	0.0196	0.98%
Mn 257.610†	26419.5	0.9628	mg/L	0.00319	0.9628	mg/L	0.00319	0.33%
Mo 202.031†	9949.9	1.018	mg/L	0.0135	1.018	mg/L	0.0135	1.33%
Na 589.592†	313512.3	50.50	mg/L	0.075	50.50	mg/L	0.075	0.15%
Na 330.237†	1547.5	51.26	mg/L	0.327	51.26	mg/L	0.327	0.64%
Ni 231.604†	1822.2	0.9796	mg/L	0.00594	0.9796	mg/L	0.00594	0.61%
Pb 220.353†	16585.7	2.025	mg/L	0.0230	2.025	mg/L	0.0230	1.14%
Sb 206.836†	2022.6	1.942	mg/L	0.0074	1.942	mg/L	0.0074	0.38%
Se 196.026†	2412.9	1.994	mg/L	0.0049	1.994	mg/L	0.0049	0.25%
Si 288.158†	2900.1	2.030	mg/L	0.0137	2.030	mg/L	0.0137	0.68%
Sn 189.927†	3839.0	0.9478	mg/L	0.00170	0.9478	mg/L	0.00170	0.18%
Sr 421.552†	658555.9	0.9948	mg/L	0.00268	0.9948	mg/L	0.00268	0.27%
Ti 334.903†	24679.0	1.011	mg/L	0.0030	1.011	mg/L	0.0030	0.30%
Tl 190.801†	2080.4	1.968	mg/L	0.0073	1.968	mg/L	0.0073	0.37%
V 292.402†	260843.7	1.008	mg/L	0.0039	1.008	mg/L	0.0039	0.38%
Zn 206.200†	913.0	0.9829	mg/L	0.00773	0.9829	mg/L	0.00773	0.79%

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

Autosampler Location: 1
Date Collected: 8/2/2006 10:59:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	192.0 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	1646643.4	97.37	%	0.142				0.15%
ScR 361.383	188841.6	97.55	%	0.855				0.88%
Ag 328.068†	28.5	0.00010	mg/L	0.000143	0.00010	mg/L	0.000143	147.04%
Al 308.215†	-42.3	-0.03098	mg/L	0.010337	-0.03098	mg/L	0.010337	33.37%
As 188.979†	0.4	0.00047	mg/L	0.001427	0.00047	mg/L	0.001427	302.80%
B 249.677†	15.8	0.00482	mg/L	0.000860	0.00482	mg/L	0.000860	17.86%
Ba 233.527†	-3.5	-0.00118	mg/L	0.000945	-0.00118	mg/L	0.000945	80.15%
Be 313.042†	37.5	0.00006	mg/L	0.000051	0.00006	mg/L	0.000051	83.98%
Ca 317.933†	-12.5	-0.00068	mg/L	0.001132	-0.00068	mg/L	0.001132	165.82%
Cd 228.802†	5.9	0.00020	mg/L	0.000094	0.00020	mg/L	0.000094	47.64%
Co 228.616†	2.4	0.00007	mg/L	0.000083	0.00007	mg/L	0.000083	120.66%
Cr 267.716†	-7.9	-0.00105	mg/L	0.000298	-0.00105	mg/L	0.000298	28.41%
Cu 324.752†	72.9	0.00028	mg/L	0.000071	0.00028	mg/L	0.000071	25.59%
Fe 273.955†	0.5	0.00053	mg/L	0.000221	0.00053	mg/L	0.000221	42.14%
K 766.490†	27.2	0.02252	mg/L	0.027218	0.02252	mg/L	0.027218	120.86%
Mg 279.077†	-8.3	-0.00604	mg/L	0.018918	-0.00604	mg/L	0.018918	313.20%
Mn 257.610†	-2.0	-0.00007	mg/L	0.000075	-0.00007	mg/L	0.000075	103.24%
Mo 202.031†	2.0	0.00021	mg/L	0.000105	0.00021	mg/L	0.000105	50.18%
Na 589.592†	39.3	0.00633	mg/L	0.006041	0.00633	mg/L	0.006041	95.45%
Na 330.237†	-6.9	-0.2276	mg/L	0.72736	-0.2276	mg/L	0.72736	319.53%
Ni 231.604†	4.0	0.00212	mg/L	0.002508	0.00212	mg/L	0.002508	118.21%
Pb 220.353†	11.8	0.00143	mg/L	0.000466	0.00143	mg/L	0.000466	32.51%
Sb 206.836†	0.2	0.00023	mg/L	0.000328	0.00023	mg/L	0.000328	140.47%
Se 196.026†	0.3	0.00024	mg/L	0.005012	0.00024	mg/L	0.005012	>999.9%
Si 288.158†	7.2	0.00503	mg/L	0.002467	0.00503	mg/L	0.002467	49.03%
Sn 189.927†	7.4	0.00181	mg/L	0.000643	0.00181	mg/L	0.000643	35.53%
Sr 421.552†	-1.2	0.00000	mg/L	0.000041	0.00000	mg/L	0.000041	>999.9%
Ti 334.903†	6.1	0.00025	mg/L	0.000334	0.00025	mg/L	0.000334	133.38%
Tl 190.801†	-0.7	-0.00067	mg/L	0.002986	-0.00067	mg/L	0.002986	443.38%
V 292.402†	4.3	0.00001	mg/L	0.000044	0.00001	mg/L	0.000044	480.00%
Zn 206.200†	0.4	0.00045	mg/L	0.002347	0.00045	mg/L	0.002347	520.92%

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

Autosampler Location: 8
Date Collected: 8/2/2006 11:06:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	192.0 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	1660419.1	98.19	%	0.546				0.56%
ScR 361.383	193709.5	100.1	%	0.34				0.34%
Ag 328.068†	863.4	0.00295	mg/L	0.000073	0.00295	mg/L	0.000073	2.48%
Al 308.215†	41.9	0.03055	mg/L	0.007143	0.03055	mg/L	0.007143	23.38%
As 188.979†	43.2	0.04938	mg/L	0.003402	0.04938	mg/L	0.003402	6.89%
B 249.677†	64.2	0.01961	mg/L	0.001057	0.01961	mg/L	0.001057	5.39%
Ba 233.527†	7.3	0.00247	mg/L	0.000255	0.00247	mg/L	0.000255	10.35%
Be 313.042†	617.5	0.00099	mg/L	0.000029	0.00099	mg/L	0.000029	2.92%
Ca 317.933†	980.2	0.05365	mg/L	0.000388	0.05365	mg/L	0.000388	0.72%
Cd 228.802†	63.1	0.00204	mg/L	0.000168	0.00204	mg/L	0.000168	8.25%
Co 228.616†	107.4	0.00315	mg/L	0.000015	0.00315	mg/L	0.000015	0.48%
Cr 267.716†	37.2	0.00493	mg/L	0.000613	0.00493	mg/L	0.000613	12.42%
Cu 324.752†	556.6	0.00213	mg/L	0.000109	0.00213	mg/L	0.000109	5.11%
Fe 273.955†	48.1	0.05113	mg/L	0.000919	0.05113	mg/L	0.000919	1.80%
K 766.490†	601.9	0.4982	mg/L	0.04610	0.4982	mg/L	0.04610	9.25%
Mg 279.077†	66.5	0.04840	mg/L	0.008773	0.04840	mg/L	0.008773	18.13%
Mn 257.610†	18.9	0.00069	mg/L	0.000083	0.00069	mg/L	0.000083	12.06%
Mo 202.031†	46.0	0.00471	mg/L	0.000021	0.00471	mg/L	0.000021	0.45%
Na 589.592†	3292.5	0.5304	mg/L	0.00610	0.5304	mg/L	0.00610	1.15%
Na 330.237†	2.9	0.09665	mg/L	0.381780	0.09665	mg/L	0.381780	395.02%
Ni 231.604†	19.2	0.01034	mg/L	0.005036	0.01034	mg/L	0.005036	48.71%
Pb 220.353†	168.7	0.02059	mg/L	0.000277	0.02059	mg/L	0.000277	1.34%
Sb 206.836†	54.5	0.05234	mg/L	0.001537	0.05234	mg/L	0.001537	2.94%
Se 196.026†	68.2	0.05638	mg/L	0.004872	0.05638	mg/L	0.004872	8.64%
Si 288.158†	87.3	0.06107	mg/L	0.004926	0.06107	mg/L	0.004926	8.07%
Sn 189.927†	46.6	0.01157	mg/L	0.000609	0.01157	mg/L	0.000609	5.26%
Sr 421.552†	716.4	0.00108	mg/L	0.000026	0.00108	mg/L	0.000026	2.40%
Ti 334.903†	103.4	0.00423	mg/L	0.000806	0.00423	mg/L	0.000806	19.04%
Tl 190.801†	53.0	0.05020	mg/L	0.001629	0.05020	mg/L	0.001629	3.24%
V 292.402†	753.1	0.00293	mg/L	0.000145	0.00293	mg/L	0.000145	4.95%
Zn 206.200†	5.6	0.00604	mg/L	0.001351	0.00604	mg/L	0.001351	22.37%

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

Autosampler Location: 9
Date Collected: 8/2/2006 11:12:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	192.0 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	1568457.3	92.75	%	0.176				0.19%
ScR 361.383	187761.4	96.99	%	0.617				0.64%
Ag 328.068†	-2683.3	-0.00091	mg/L	0.000380	-0.00091	mg/L	0.000380	41.58%
Al 308.215†	275373.7	201.5	mg/L	0.84	201.5	mg/L	0.84	0.42%
As 188.979†	30.9	0.01161	mg/L	0.003984	0.01161	mg/L	0.003984	34.31%
B 249.677†	-14.4	-0.00438	mg/L	0.005112	-0.00438	mg/L	0.005112	116.60%
Ba 233.527†	49.0	0.00227	mg/L	0.001276	0.00227	mg/L	0.001276	56.21%
Be 313.042†	50.0	0.00008	mg/L	0.000057	0.00008	mg/L	0.000057	73.77%
Ca 317.933†	1824796.4	99.87	mg/L	0.361	99.87	mg/L	0.361	0.36%
Cd 228.802†	44.0	-0.00058	mg/L	0.000207	-0.00058	mg/L	0.000207	35.41%
Co 228.616†	-17.7	-0.00176	mg/L	0.000256	-0.00176	mg/L	0.000256	14.54%
Cr 267.716†	-1.4	0.00097	mg/L	0.000630	0.00097	mg/L	0.000630	65.09%
Cu 324.752†	-3781.8	0.00350	mg/L	0.000244	0.00350	mg/L	0.000244	6.97%
Fe 273.955†	186824.6	198.7	mg/L	1.00	198.7	mg/L	1.00	0.51%
K 766.490†	94.9	0.07855	mg/L	0.005480	0.07855	mg/L	0.005480	6.98%
Mg 279.077†	139296.0	101.3	mg/L	0.43	101.3	mg/L	0.43	0.43%
Mn 257.610†	103.1	0.00002	mg/L	0.000571	0.00002	mg/L	0.000571	>999.9%
Mo 202.031†	27.0	0.00482	mg/L	0.000196	0.00482	mg/L	0.000196	4.07%
Na 589.592†	175.2	0.02822	mg/L	0.003826	0.02822	mg/L	0.003826	13.56%
Na 330.237†	23.7	-0.1073	mg/L	0.27010	-0.1073	mg/L	0.27010	251.76%
Ni 231.604†	-4.3	-0.00230	mg/L	0.002352	-0.00230	mg/L	0.002352	102.25%
Pb 220.353†	-192.3	0.01534	mg/L	0.001227	0.01534	mg/L	0.001227	7.99%
Sb 206.836†	24.7	0.02351	mg/L	0.001221	0.02351	mg/L	0.001221	5.19%
Se 196.026†	-93.7	-0.07749	mg/L	0.005603	-0.07749	mg/L	0.005603	7.23%
Si 288.158†	-30.6	-0.02137	mg/L	0.006715	-0.02137	mg/L	0.006715	31.42%
Sn 189.927†	-79.4	-0.00450	mg/L	0.002226	-0.00450	mg/L	0.002226	49.44%
Sr 421.552†	782.5	0.00118	mg/L	0.000010	0.00118	mg/L	0.000010	0.88%
Ti 334.903†	147.2	0.00604	mg/L	0.000750	0.00604	mg/L	0.000750	12.43%
Tl 190.801†	-38.4	-0.03635	mg/L	0.003273	-0.03635	mg/L	0.003273	9.00%
V 292.402†	554.9	0.00213	mg/L	0.000145	0.00213	mg/L	0.000145	6.83%
Zn 206.200†	-0.4	-0.00442	mg/L	0.003006	-0.00442	mg/L	0.003006	68.04%

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

Autosampler Location: 10
Date Collected: 8/2/2006 11:18:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	192.0 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	1563425.2	92.45	%	0.292				0.32%
ScR 361.383	189196.9	97.73	%	0.130				0.13%
Ag 328.068†	295154.2	1.018	mg/L	0.0028	1.018	mg/L	0.0028	0.28%
Al 308.215†	276673.1	202.4	mg/L	0.37	202.4	mg/L	0.37	0.18%
As 188.979†	937.5	1.048	mg/L	0.0152	1.048	mg/L	0.0152	1.46%
B 249.677†	-32.0	-0.00794	mg/L	0.000841	-0.00794	mg/L	0.000841	10.58%
Ba 233.527†	3068.0	1.022	mg/L	0.0020	1.022	mg/L	0.0020	0.20%
Be 313.042†	637680.8	1.030	mg/L	0.0018	1.030	mg/L	0.0018	0.18%
Ca 317.933†	1853025.1	101.4	mg/L	0.25	101.4	mg/L	0.25	0.24%
Cd 228.802†	31312.4	1.042	mg/L	0.0013	1.042	mg/L	0.0013	0.12%
Co 228.616†	32849.8	0.9658	mg/L	0.00206	0.9658	mg/L	0.00206	0.21%
Cr 267.716†	7479.6	0.9934	mg/L	0.00242	0.9934	mg/L	0.00242	0.24%
Cu 324.752†	276302.9	1.074	mg/L	0.0015	1.074	mg/L	0.0015	0.14%
Fe 273.955†	192052.9	204.3	mg/L	0.59	204.3	mg/L	0.59	0.29%
K 766.490†	215.7	0.1785	mg/L	0.01161	0.1785	mg/L	0.01161	6.50%
Mg 279.077†	141678.5	103.0	mg/L	0.14	103.0	mg/L	0.14	0.13%
Mn 257.610†	27325.5	0.9918	mg/L	0.00331	0.9918	mg/L	0.00331	0.33%
Mo 202.031†	22.9	0.00438	mg/L	0.000469	0.00438	mg/L	0.000469	10.71%
Na 589.592†	119.1	0.01918	mg/L	0.004082	0.01918	mg/L	0.004082	21.28%
Na 330.237†	-15.3	-1.661	mg/L	0.1652	-1.661	mg/L	0.1652	9.95%
Ni 231.604†	1809.1	0.9721	mg/L	0.00461	0.9721	mg/L	0.00461	0.47%
Pb 220.353†	7678.9	0.9769	mg/L	0.00908	0.9769	mg/L	0.00908	0.93%
Sb 206.836†	1142.4	1.084	mg/L	0.0147	1.084	mg/L	0.0147	1.36%
Se 196.026†	1139.0	0.9405	mg/L	0.00179	0.9405	mg/L	0.00179	0.19%
Si 288.158†	-47.7	-0.03128	mg/L	0.003076	-0.03128	mg/L	0.003076	9.83%
Sn 189.927†	-92.9	-0.00558	mg/L	0.000849	-0.00558	mg/L	0.000849	15.20%
Sr 421.552†	903.2	0.00136	mg/L	0.000095	0.00136	mg/L	0.000095	6.99%
Ti 334.903†	290.3	0.01169	mg/L	0.000346	0.01169	mg/L	0.000346	2.96%
Tl 190.801†	989.8	0.9315	mg/L	0.00100	0.9315	mg/L	0.00100	0.11%
V 292.402†	271920.4	1.051	mg/L	0.0031	1.051	mg/L	0.0031	0.29%
Zn 206.200†	912.1	0.9780	mg/L	0.00251	0.9780	mg/L	0.00251	0.26%

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

Autosampler Location: 7
Date Collected: 8/2/2006 11:25:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	192.0 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	1607570.5	95.06	%	0.777				0.82%
ScR 361.383	190342.3	98.33	%	0.216				0.22%
Ag 328.068†	287909.3	0.9843	mg/L	0.01066	0.9843	mg/L	0.01066	1.08%
Al 308.215†	2705.3	1.942	mg/L	0.0114	1.942	mg/L	0.0114	0.59%
As 188.979†	1747.3	1.995	mg/L	0.0198	1.995	mg/L	0.0198	0.99%
B 249.677†	3109.5	0.9529	mg/L	0.00601	0.9529	mg/L	0.00601	0.63%
Ba 233.527†	2847.7	0.9619	mg/L	0.00424	0.9619	mg/L	0.00424	0.44%
Be 313.042†	603507.7	0.9752	mg/L	0.00352	0.9752	mg/L	0.00352	0.36%
Ca 317.933†	37141.5	2.033	mg/L	0.0067	2.033	mg/L	0.0067	0.33%
Cd 228.802†	30877.4	1.028	mg/L	0.0104	1.028	mg/L	0.0104	1.01%
Co 228.616†	33440.0	0.9832	mg/L	0.00923	0.9832	mg/L	0.00923	0.94%
Cr 267.716†	7128.0	0.9450	mg/L	0.00304	0.9450	mg/L	0.00304	0.32%
Cu 324.752†	270166.2	1.031	mg/L	0.0121	1.031	mg/L	0.0121	1.17%
Fe 273.955†	1888.9	2.007	mg/L	0.0009	2.007	mg/L	0.0009	0.05%
K 766.490†	24035.3	19.89	mg/L	0.147	19.89	mg/L	0.147	0.74%
Mg 279.077†	2732.3	1.993	mg/L	0.0094	1.993	mg/L	0.0094	0.47%
Mn 257.610†	26185.8	0.9543	mg/L	0.00447	0.9543	mg/L	0.00447	0.47%
Mo 202.031†	9884.6	1.011	mg/L	0.0099	1.011	mg/L	0.0099	0.97%
Na 589.592†	310448.7	50.01	mg/L	0.223	50.01	mg/L	0.223	0.45%
Na 330.237†	1521.7	50.41	mg/L	0.278	50.41	mg/L	0.278	0.55%
Ni 231.604†	1805.4	0.9706	mg/L	0.00472	0.9706	mg/L	0.00472	0.49%
Pb 220.353†	16433.7	2.006	mg/L	0.0209	2.006	mg/L	0.0209	1.04%
Sb 206.836†	2036.3	1.955	mg/L	0.0190	1.955	mg/L	0.0190	0.97%
Se 196.026†	2434.6	2.012	mg/L	0.0160	2.012	mg/L	0.0160	0.80%
Si 288.158†	2870.0	2.009	mg/L	0.0040	2.009	mg/L	0.0040	0.20%
Sn 189.927†	3857.5	0.9524	mg/L	0.00662	0.9524	mg/L	0.00662	0.69%
Sr 421.552†	652338.5	0.9854	mg/L	0.00266	0.9854	mg/L	0.00266	0.27%
Ti 334.903†	24457.0	1.002	mg/L	0.0031	1.002	mg/L	0.0031	0.31%
Tl 190.801†	2093.4	1.980	mg/L	0.0210	1.980	mg/L	0.0210	1.06%
V 292.402†	259410.0	1.003	mg/L	0.0112	1.003	mg/L	0.0112	1.12%
Zn 206.200†	908.7	0.9783	mg/L	0.00494	0.9783	mg/L	0.00494	0.50%

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

Autosampler Location: 1
Date Collected: 8/2/2006 11:31:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	193.0 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	1656839.5	97.97	%	0.159				0.16%
ScR 361.383	188344.1	97.29	%	0.412				0.42%
Ag 328.068†	18.8	0.00006	mg/L	0.000098	0.00006	mg/L	0.000098	153.45%
Al 308.215†	-29.5	-0.02159	mg/L	0.016633	-0.02159	mg/L	0.016633	77.06%
As 188.979†	3.4	0.00394	mg/L	0.001883	0.00394	mg/L	0.001883	47.84%
B 249.677†	11.5	0.00353	mg/L	0.001066	0.00353	mg/L	0.001066	30.22%
Ba 233.527†	-0.4	-0.00013	mg/L	0.001035	-0.00013	mg/L	0.001035	791.26%
Be 313.042†	34.3	0.00006	mg/L	0.000039	0.00006	mg/L	0.000039	70.40%
Ca 317.933†	2.1	0.00012	mg/L	0.001510	0.00012	mg/L	0.001510	>999.9%
Cd 228.802†	2.4	0.00008	mg/L	0.000087	0.00008	mg/L	0.000087	115.00%
Co 228.616†	5.7	0.00017	mg/L	0.000389	0.00017	mg/L	0.000389	231.67%
Cr 267.716†	2.2	0.00029	mg/L	0.000226	0.00029	mg/L	0.000226	77.97%
Cu 324.752†	52.6	0.00020	mg/L	0.000207	0.00020	mg/L	0.000207	102.88%
Fe 273.955†	0.0	0.00004	mg/L	0.003066	0.00004	mg/L	0.003066	>999.9%
K 766.490†	41.6	0.03441	mg/L	0.045805	0.03441	mg/L	0.045805	133.13%
Mg 279.077†	-1.2	-0.00088	mg/L	0.002405	-0.00088	mg/L	0.002405	274.13%
Mn 257.610†	-5.5	-0.00020	mg/L	0.000119	-0.00020	mg/L	0.000119	59.66%
Mo 202.031†	3.0	0.00031	mg/L	0.000361	0.00031	mg/L	0.000361	117.51%
Na 589.592†	64.2	0.01035	mg/L	0.004837	0.01035	mg/L	0.004837	46.75%
Na 330.237†	-1.7	-0.05655	mg/L	0.528663	-0.05655	mg/L	0.528663	934.79%
Ni 231.604†	-0.5	-0.00028	mg/L	0.001700	-0.00028	mg/L	0.001700	617.53%
Pb 220.353†	10.7	0.00130	mg/L	0.000305	0.00130	mg/L	0.000305	23.42%
Sb 206.836†	2.5	0.00241	mg/L	0.003446	0.00241	mg/L	0.003446	142.90%
Se 196.026†	-3.2	-0.00268	mg/L	0.001835	-0.00268	mg/L	0.001835	68.54%
Si 288.158†	9.9	0.00696	mg/L	0.004150	0.00696	mg/L	0.004150	59.66%
Sn 189.927†	4.6	0.00114	mg/L	0.001261	0.00114	mg/L	0.001261	110.31%
Sr 421.552†	2.2	0.00000	mg/L	0.000100	0.00000	mg/L	0.000100	>999.9%
Ti 334.903†	12.3	0.00050	mg/L	0.001122	0.00050	mg/L	0.001122	222.88%
Tl 190.801†	0.2	0.00019	mg/L	0.003920	0.00019	mg/L	0.003920	>999.9%
V 292.402†	47.1	0.00018	mg/L	0.000113	0.00018	mg/L	0.000113	61.66%
Zn 206.200†	-0.1	-0.00015	mg/L	0.001379	-0.00015	mg/L	0.001379	933.89%

Analysis Begun

Start Time: 8/2/2006 11:36:38 AM
Plasma On Time: 8/2/2006 8:17:01 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\0802MDL.sif
Batch ID:
Results Data Set: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 21
Sample ID: MDL1
Date Collected: 8/2/2006 11:36:38 AM
Analyst: JLB
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution: 1X
Sample Prep Vol:

Nebulizer Parameters: MDL1

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1686977.2	99.76	%	0.696				0.70%
ScR 361.383	199349.9	103.0	%	0.74				0.72%
Ag 328.068†	535.0	0.00183	mg/L	0.000048	0.00183	mg/L	0.000048	2.63%
Al 308.215†	14.5	0.01050	mg/L	0.015194	0.01050	mg/L	0.015194	144.76%
As 188.979†	43.0	0.04917	mg/L	0.004535	0.04917	mg/L	0.004535	9.22%
B 249.677†	43.7	0.01337	mg/L	0.001937	0.01337	mg/L	0.001937	14.49%
Ba 233.527†	10.1	0.00341	mg/L	0.000638	0.00341	mg/L	0.000638	18.68%
Be 313.042†	616.7	0.00100	mg/L	0.000036	0.00100	mg/L	0.000036	3.59%
Ca 317.933†	870.2	0.04763	mg/L	0.001208	0.04763	mg/L	0.001208	2.54%
Cd 228.802†	63.5	0.00206	mg/L	0.000076	0.00206	mg/L	0.000076	3.70%
Co 228.616†	74.2	0.00217	mg/L	0.000202	0.00217	mg/L	0.000202	9.31%
Cr 267.716†	34.8	0.00462	mg/L	0.000381	0.00462	mg/L	0.000381	8.25%
Cu 324.752†	1220.8	0.00466	mg/L	0.000190	0.00466	mg/L	0.000190	4.07%
Fe 273.955†	10.1	0.01069	mg/L	0.003278	0.01069	mg/L	0.003278	30.68%
K 766.490†	1788.1	1.480	mg/L	0.0413	1.480	mg/L	0.0413	2.79%
Mg 279.077†	52.3	0.03812	mg/L	0.009089	0.03812	mg/L	0.009089	23.84%
Mn 257.610†	23.6	0.00086	mg/L	0.000127	0.00086	mg/L	0.000127	14.83%
Mo 202.031†	45.2	0.00462	mg/L	0.000438	0.00462	mg/L	0.000438	9.48%
Na 589.592†	438.7	0.07068	mg/L	0.003020	0.07068	mg/L	0.003020	4.27%
Na 330.237†	-7.2	-0.2398	mg/L	0.31871	-0.2398	mg/L	0.31871	132.89%
Ni 231.604†	36.4	0.01955	mg/L	0.002062	0.01955	mg/L	0.002062	10.54%
Pb 220.353†	91.6	0.01118	mg/L	0.000564	0.01118	mg/L	0.000564	5.05%
Sb 206.836†	50.0	0.04809	mg/L	0.000580	0.04809	mg/L	0.000580	1.21%
Se 196.026†	48.6	0.04021	mg/L	0.002379	0.04021	mg/L	0.002379	5.91%
Si 288.158†	58.3	0.04078	mg/L	0.002006	0.04078	mg/L	0.002006	4.92%
Sn 189.927†	44.1	0.01093	mg/L	0.000644	0.01093	mg/L	0.000644	5.89%
Sr 421.552†	401.3	0.00061	mg/L	0.000070	0.00061	mg/L	0.000070	11.48%
Ti 334.903†	256.6	0.01052	mg/L	0.001828	0.01052	mg/L	0.001828	17.38%
Tl 190.801†	53.4	0.05063	mg/L	0.002124	0.05063	mg/L	0.002124	4.19%
V 292.402†	266.7	0.00105	mg/L	0.000100	0.00105	mg/L	0.000100	9.44%
Zn 206.200†	11.2	0.01201	mg/L	0.001975	0.01201	mg/L	0.001975	16.44%

Sequence No.: 2
Sample ID: MDL2
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 8/2/2006 11:43:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL2

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1685816.8	99.69	%	0.488				0.49%
ScR 361.383	193286.9	99.85	%	0.618				0.62%
Ag 328.068†	540.3	0.00185	mg/L	0.000128	0.00185	mg/L	0.000128	6.95%
Al 308.215†	19.5	0.01416	mg/L	0.008112	0.01416	mg/L	0.008112	57.28%
As 188.979†	42.7	0.04887	mg/L	0.002601	0.04887	mg/L	0.002601	5.32%
B 249.677†	41.9	0.01280	mg/L	0.001223	0.01280	mg/L	0.001223	9.55%
Ba 233.527†	8.4	0.00285	mg/L	0.000720	0.00285	mg/L	0.000720	25.31%
Be 313.042†	634.3	0.00103	mg/L	0.000053	0.00103	mg/L	0.000053	5.21%
Ca 317.933†	869.6	0.04759	mg/L	0.001111	0.04759	mg/L	0.001111	2.33%
Cd 228.802†	63.5	0.00206	mg/L	0.000072	0.00206	mg/L	0.000072	3.49%
Co 228.616†	72.3	0.00211	mg/L	0.000210	0.00211	mg/L	0.000210	9.93%
Cr 267.716†	28.9	0.00383	mg/L	0.000606	0.00383	mg/L	0.000606	15.82%
Cu 324.752†	1216.5	0.00464	mg/L	0.000228	0.00464	mg/L	0.000228	4.92%
Fe 273.955†	12.3	0.01303	mg/L	0.000401	0.01303	mg/L	0.000401	3.08%
K 766.490†	1909.6	1.581	mg/L	0.0301	1.581	mg/L	0.0301	1.90%
Mg 279.077†	58.9	0.04292	mg/L	0.009921	0.04292	mg/L	0.009921	23.12%
Mn 257.610†	21.6	0.00079	mg/L	0.000206	0.00079	mg/L	0.000206	26.16%
Mo 202.031†	48.7	0.00499	mg/L	0.000442	0.00499	mg/L	0.000442	8.86%
Na 589.592†	397.5	0.06403	mg/L	0.006610	0.06403	mg/L	0.006610	10.32%
Na 330.237†	-11.8	-0.3906	mg/L	0.29231	-0.3906	mg/L	0.29231	74.84%
Ni 231.604†	38.0	0.02043	mg/L	0.003121	0.02043	mg/L	0.003121	15.28%
Pb 220.353†	82.6	0.01008	mg/L	0.000136	0.01008	mg/L	0.000136	1.34%
Sb 206.836†	53.9	0.05178	mg/L	0.001595	0.05178	mg/L	0.001595	3.08%
Se 196.026†	55.6	0.04596	mg/L	0.005767	0.04596	mg/L	0.005767	12.55%
Si 288.158†	62.0	0.04334	mg/L	0.006053	0.04334	mg/L	0.006053	13.97%
Sn 189.927†	42.3	0.01049	mg/L	0.000494	0.01049	mg/L	0.000494	4.71%
Sr 421.552†	368.2	0.00056	mg/L	0.000112	0.00056	mg/L	0.000112	20.14%
Ti 334.903†	248.0	0.01016	mg/L	0.000750	0.01016	mg/L	0.000750	7.38%
Tl 190.801†	54.4	0.05154	mg/L	0.003109	0.05154	mg/L	0.003109	6.03%
V 292.402†	270.2	0.00106	mg/L	0.000221	0.00106	mg/L	0.000221	20.75%
Zn 206.200†	10.9	0.01172	mg/L	0.000680	0.01172	mg/L	0.000680	5.81%

Sequence No.: 3
Sample ID: MDL3
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 8/2/2006 11:49:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL3

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1693050.2	100.1	%	0.40				0.40%
ScR 361.383	194710.6	100.6	%	0.36				0.36%
Ag 328.068†	568.8	0.00194	mg/L	0.000262	0.00194	mg/L	0.000262	13.49%
Al 308.215†	12.6	0.00911	mg/L	0.012779	0.00911	mg/L	0.012779	140.21%
As 188.979†	40.3	0.04609	mg/L	0.004078	0.04609	mg/L	0.004078	8.85%
B 249.677†	35.6	0.01088	mg/L	0.000232	0.01088	mg/L	0.000232	2.13%
Ba 233.527†	6.0	0.00204	mg/L	0.000675	0.00204	mg/L	0.000675	33.14%
Be 313.042†	597.5	0.00097	mg/L	0.000027	0.00097	mg/L	0.000027	2.81%
Ca 317.933†	854.3	0.04675	mg/L	0.000848	0.04675	mg/L	0.000848	1.81%
Cd 228.802†	60.0	0.00194	mg/L	0.000028	0.00194	mg/L	0.000028	1.43%
Co 228.616†	71.6	0.00209	mg/L	0.000176	0.00209	mg/L	0.000176	8.41%
Cr 267.716†	26.9	0.00356	mg/L	0.000978	0.00356	mg/L	0.000978	27.49%
Cu 324.752†	1316.6	0.00503	mg/L	0.000216	0.00503	mg/L	0.000216	4.30%
Fe 273.955†	12.5	0.01331	mg/L	0.000140	0.01331	mg/L	0.000140	1.05%
K 766.490†	1867.8	1.546	mg/L	0.0161	1.546	mg/L	0.0161	1.04%
Mg 279.077†	53.1	0.03868	mg/L	0.005882	0.03868	mg/L	0.005882	15.21%
Mn 257.610†	18.3	0.00067	mg/L	0.000093	0.00067	mg/L	0.000093	13.85%
Mo 202.031†	46.4	0.00474	mg/L	0.000275	0.00474	mg/L	0.000275	5.80%
Na 589.592†	399.0	0.06427	mg/L	0.002502	0.06427	mg/L	0.002502	3.89%
Na 330.237†	12.6	0.4159	mg/L	0.27542	0.4159	mg/L	0.27542	66.23%
Ni 231.604†	35.1	0.01888	mg/L	0.002461	0.01888	mg/L	0.002461	13.04%
Pb 220.353†	87.9	0.01074	mg/L	0.000436	0.01074	mg/L	0.000436	4.06%
Sb 206.836†	51.2	0.04918	mg/L	0.000754	0.04918	mg/L	0.000754	1.53%
Se 196.026†	56.1	0.04641	mg/L	0.002090	0.04641	mg/L	0.002090	4.50%
Si 288.158†	55.1	0.03854	mg/L	0.005730	0.03854	mg/L	0.005730	14.87%
Sn 189.927†	40.1	0.00997	mg/L	0.000485	0.00997	mg/L	0.000485	4.86%
Sr 421.552†	397.8	0.00060	mg/L	0.000043	0.00060	mg/L	0.000043	7.11%
Ti 334.903†	247.3	0.01014	mg/L	0.001089	0.01014	mg/L	0.001089	10.75%
Tl 190.801†	53.8	0.05100	mg/L	0.001117	0.05100	mg/L	0.001117	2.19%
V 292.402†	243.2	0.00096	mg/L	0.000221	0.00096	mg/L	0.000221	23.04%
Zn 206.200†	11.0	0.01182	mg/L	0.000400	0.01182	mg/L	0.000400	3.39%

Sequence No.: 4
Sample ID: MDL4
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 8/2/2006 11:55:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL4

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1667891.6	98.63	%	0.396				0.40%
ScR 361.383	191829.3	99.09	%	0.189				0.19%
Ag 328.068†	552.5	0.00189	mg/L	0.000089	0.00189	mg/L	0.000089	4.71%
Al 308.215†	17.9	0.01301	mg/L	0.012465	0.01301	mg/L	0.012465	95.79%
As 188.979†	44.1	0.05049	mg/L	0.004021	0.05049	mg/L	0.004021	7.96%
B 249.677†	40.7	0.01244	mg/L	0.000552	0.01244	mg/L	0.000552	4.44%
Ba 233.527†	5.2	0.00174	mg/L	0.000777	0.00174	mg/L	0.000777	44.72%
Be 313.042†	633.2	0.00102	mg/L	0.000036	0.00102	mg/L	0.000036	3.50%
Ca 317.933†	889.6	0.04869	mg/L	0.000083	0.04869	mg/L	0.000083	0.17%
Cd 228.802†	59.4	0.00192	mg/L	0.000175	0.00192	mg/L	0.000175	9.10%
Co 228.616†	68.2	0.00199	mg/L	0.000157	0.00199	mg/L	0.000157	7.88%
Cr 267.716†	29.4	0.00390	mg/L	0.000623	0.00390	mg/L	0.000623	16.00%
Cu 324.752†	1295.6	0.00494	mg/L	0.000050	0.00494	mg/L	0.000050	1.02%
Fe 273.955†	12.9	0.01372	mg/L	0.002186	0.01372	mg/L	0.002186	15.94%
K 766.490†	1873.8	1.551	mg/L	0.0269	1.551	mg/L	0.0269	1.74%
Mg 279.077†	50.0	0.03642	mg/L	0.011992	0.03642	mg/L	0.011992	32.93%
Mn 257.610†	26.1	0.00095	mg/L	0.000143	0.00095	mg/L	0.000143	15.04%
Mo 202.031†	47.1	0.00482	mg/L	0.000274	0.00482	mg/L	0.000274	5.69%
Na 589.592†	405.8	0.06537	mg/L	0.005638	0.06537	mg/L	0.005638	8.62%
Na 330.237†	-12.5	-0.4131	mg/L	0.31840	-0.4131	mg/L	0.31840	77.08%
Ni 231.604†	38.6	0.02074	mg/L	0.002592	0.02074	mg/L	0.002592	12.50%
Pb 220.353†	88.0	0.01075	mg/L	0.000719	0.01075	mg/L	0.000719	6.69%
Sb 206.836†	52.2	0.05021	mg/L	0.001433	0.05021	mg/L	0.001433	2.85%
Se 196.026†	52.2	0.04312	mg/L	0.004147	0.04312	mg/L	0.004147	9.62%
Si 288.158†	59.4	0.04154	mg/L	0.004696	0.04154	mg/L	0.004696	11.31%
Sn 189.927†	42.6	0.01058	mg/L	0.000683	0.01058	mg/L	0.000683	6.46%
Sr 421.552†	348.4	0.00053	mg/L	0.000025	0.00053	mg/L	0.000025	4.67%
Ti 334.903†	229.7	0.00942	mg/L	0.000700	0.00942	mg/L	0.000700	7.44%
Tl 190.801†	56.6	0.05360	mg/L	0.002963	0.05360	mg/L	0.002963	5.53%
V 292.402†	240.0	0.00095	mg/L	0.000055	0.00095	mg/L	0.000055	5.80%
Zn 206.200†	8.8	0.00946	mg/L	0.000993	0.00946	mg/L	0.000993	10.50%

Sequence No.: 5
Sample ID: MDL5
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 8/2/2006 12:02:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL5

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1692917.2	100.1	%	0.18				0.18%
ScR 361.383	194752.5	100.6	%	0.53				0.52%
Ag 328.068†	623.8	0.00213	mg/L	0.000146	0.00213	mg/L	0.000146	6.85%
Al 308.215†	16.9	0.01225	mg/L	0.014972	0.01225	mg/L	0.014972	122.21%
As 188.979†	43.3	0.04956	mg/L	0.003617	0.04956	mg/L	0.003617	7.30%
B 249.677†	36.6	0.01119	mg/L	0.000593	0.01119	mg/L	0.000593	5.30%
Ba 233.527†	8.6	0.00290	mg/L	0.001055	0.00290	mg/L	0.001055	36.42%
Be 313.042†	641.5	0.00104	mg/L	0.000027	0.00104	mg/L	0.000027	2.62%
Ca 317.933†	860.7	0.04711	mg/L	0.000392	0.04711	mg/L	0.000392	0.83%
Cd 228.802†	60.6	0.00196	mg/L	0.000138	0.00196	mg/L	0.000138	7.05%
Co 228.616†	73.9	0.00216	mg/L	0.000159	0.00216	mg/L	0.000159	7.35%
Cr 267.716†	25.8	0.00341	mg/L	0.000700	0.00341	mg/L	0.000700	20.51%
Cu 324.752†	1211.7	0.00462	mg/L	0.000241	0.00462	mg/L	0.000241	5.21%
Fe 273.955†	10.5	0.01115	mg/L	0.001884	0.01115	mg/L	0.001884	16.89%
K 766.490†	1826.8	1.512	mg/L	0.0349	1.512	mg/L	0.0349	2.31%
Mg 279.077†	49.6	0.03609	mg/L	0.011653	0.03609	mg/L	0.011653	32.29%
Mn 257.610†	17.4	0.00064	mg/L	0.000056	0.00064	mg/L	0.000056	8.79%
Mo 202.031†	46.4	0.00475	mg/L	0.000371	0.00475	mg/L	0.000371	7.81%
Na 589.592†	407.7	0.06567	mg/L	0.005639	0.06567	mg/L	0.005639	8.59%
Na 330.237†	-21.5	-0.7130	mg/L	0.53539	-0.7130	mg/L	0.53539	75.09%
Ni 231.604†	37.5	0.02015	mg/L	0.002133	0.02015	mg/L	0.002133	10.59%
Pb 220.353†	87.8	0.01072	mg/L	0.000771	0.01072	mg/L	0.000771	7.19%
Sb 206.836†	53.1	0.05104	mg/L	0.002210	0.05104	mg/L	0.002210	4.33%
Se 196.026†	52.4	0.04333	mg/L	0.004929	0.04333	mg/L	0.004929	11.37%
Si 288.158†	59.0	0.04128	mg/L	0.002797	0.04128	mg/L	0.002797	6.78%
Sn 189.927†	42.0	0.01044	mg/L	0.001642	0.01044	mg/L	0.001642	15.73%
Sr 421.552†	380.8	0.00058	mg/L	0.000053	0.00058	mg/L	0.000053	9.16%
Ti 334.903†	264.9	0.01086	mg/L	0.001279	0.01086	mg/L	0.001279	11.78%
Tl 190.801†	51.7	0.04898	mg/L	0.004747	0.04898	mg/L	0.004747	9.69%
V 292.402†	292.3	0.00114	mg/L	0.000043	0.00114	mg/L	0.000043	3.77%
Zn 206.200†	10.0	0.01078	mg/L	0.002984	0.01078	mg/L	0.002984	27.67%

Sequence No.: 6
Sample ID: MDL6
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 8/2/2006 12:08:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL6

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1681102.4	99.41	%	0.434				0.44%
ScR 361.383	191713.3	99.03	%	0.127				0.13%
Ag 328.068†	547.4	0.00187	mg/L	0.000050	0.00187	mg/L	0.000050	2.67%
Al 308.215†	16.9	0.01227	mg/L	0.006921	0.01227	mg/L	0.006921	56.40%
As 188.979†	38.6	0.04414	mg/L	0.004727	0.04414	mg/L	0.004727	10.71%
B 249.677†	32.9	0.01008	mg/L	0.003499	0.01008	mg/L	0.003499	34.73%
Ba 233.527†	7.5	0.00252	mg/L	0.000921	0.00252	mg/L	0.000921	36.51%
Be 313.042†	620.9	0.00100	mg/L	0.000017	0.00100	mg/L	0.000017	1.73%
Ca 317.933†	850.9	0.04657	mg/L	0.002207	0.04657	mg/L	0.002207	4.74%
Cd 228.802†	63.0	0.00205	mg/L	0.000145	0.00205	mg/L	0.000145	7.06%
Co 228.616†	76.4	0.00223	mg/L	0.000109	0.00223	mg/L	0.000109	4.88%
Cr 267.716†	31.5	0.00417	mg/L	0.001314	0.00417	mg/L	0.001314	31.53%
Cu 324.752†	1217.1	0.00464	mg/L	0.000069	0.00464	mg/L	0.000069	1.48%
Fe 273.955†	11.5	0.01219	mg/L	0.001552	0.01219	mg/L	0.001552	12.73%
K 766.490†	1871.0	1.549	mg/L	0.0154	1.549	mg/L	0.0154	1.00%
Mg 279.077†	64.4	0.04691	mg/L	0.006422	0.04691	mg/L	0.006422	13.69%
Mn 257.610†	19.3	0.00071	mg/L	0.000142	0.00071	mg/L	0.000142	20.10%
Mo 202.031†	46.9	0.00480	mg/L	0.000134	0.00480	mg/L	0.000134	2.79%
Na 589.592†	372.2	0.05995	mg/L	0.003558	0.05995	mg/L	0.003558	5.93%
Na 330.237†	-3.6	-0.1187	mg/L	0.49838	-0.1187	mg/L	0.49838	420.04%
Ni 231.604†	39.9	0.02147	mg/L	0.001255	0.02147	mg/L	0.001255	5.85%
Pb 220.353†	80.3	0.00981	mg/L	0.000344	0.00981	mg/L	0.000344	3.51%
Sb 206.836†	51.5	0.04955	mg/L	0.001432	0.04955	mg/L	0.001432	2.89%
Se 196.026†	57.5	0.04753	mg/L	0.004265	0.04753	mg/L	0.004265	8.97%
Si 288.158†	59.5	0.04160	mg/L	0.003594	0.04160	mg/L	0.003594	8.64%
Sn 189.927†	43.3	0.01074	mg/L	0.000804	0.01074	mg/L	0.000804	7.49%
Sr 421.552†	365.3	0.00055	mg/L	0.000027	0.00055	mg/L	0.000027	4.86%
Ti 334.903†	253.7	0.01040	mg/L	0.001277	0.01040	mg/L	0.001277	12.28%
Tl 190.801†	56.6	0.05359	mg/L	0.002830	0.05359	mg/L	0.002830	5.28%
V 292.402†	262.3	0.00103	mg/L	0.000162	0.00103	mg/L	0.000162	15.62%
Zn 206.200†	10.0	0.01081	mg/L	0.001206	0.01081	mg/L	0.001206	11.15%

Sequence No.: 7
Sample ID: MDL7
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 8/2/2006 12:15:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL7

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL7

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1676126.5	99.11	%	0.359				0.36%
ScR 361.383	193639.5	100.0	%	0.22				0.22%
Ag 328.068†	516.6	0.00177	mg/L	0.000205	0.00177	mg/L	0.000205	11.60%
Al 308.215†	25.5	0.01853	mg/L	0.005695	0.01853	mg/L	0.005695	30.73%
As 188.979†	40.2	0.04600	mg/L	0.002618	0.04600	mg/L	0.002618	5.69%
B 249.677†	33.4	0.01021	mg/L	0.002651	0.01021	mg/L	0.002651	25.96%
Ba 233.527†	9.7	0.00326	mg/L	0.001297	0.00326	mg/L	0.001297	39.77%
Be 313.042†	634.0	0.00102	mg/L	0.000031	0.00102	mg/L	0.000031	3.07%
Ca 317.933†	916.2	0.05015	mg/L	0.001781	0.05015	mg/L	0.001781	3.55%
Cd 228.802†	56.9	0.00184	mg/L	0.000059	0.00184	mg/L	0.000059	3.18%
Co 228.616†	75.4	0.00220	mg/L	0.000213	0.00220	mg/L	0.000213	9.67%
Cr 267.716†	30.1	0.00398	mg/L	0.000448	0.00398	mg/L	0.000448	11.25%
Cu 324.752†	1223.8	0.00467	mg/L	0.000040	0.00467	mg/L	0.000040	0.86%
Fe 273.955†	10.7	0.01135	mg/L	0.001542	0.01135	mg/L	0.001542	13.58%
K 766.490†	1841.2	1.524	mg/L	0.0141	1.524	mg/L	0.0141	0.93%
Mg 279.077†	61.5	0.04479	mg/L	0.009582	0.04479	mg/L	0.009582	21.39%
Mn 257.610†	24.6	0.00090	mg/L	0.000061	0.00090	mg/L	0.000061	6.76%
Mo 202.031†	47.7	0.00488	mg/L	0.000287	0.00488	mg/L	0.000287	5.89%
Na 589.592†	414.1	0.06671	mg/L	0.003641	0.06671	mg/L	0.003641	5.46%
Na 330.237†	-1.9	-0.06506	mg/L	0.274293	-0.06506	mg/L	0.274293	421.63%
Ni 231.604†	33.1	0.01778	mg/L	0.002489	0.01778	mg/L	0.002489	14.00%
Pb 220.353†	83.0	0.01013	mg/L	0.000359	0.01013	mg/L	0.000359	3.54%
Sb 206.836†	52.0	0.04995	mg/L	0.001074	0.04995	mg/L	0.001074	2.15%
Se 196.026†	57.2	0.04727	mg/L	0.005337	0.04727	mg/L	0.005337	11.29%
Si 288.158†	64.2	0.04488	mg/L	0.004532	0.04488	mg/L	0.004532	10.10%
Sn 189.927†	43.4	0.01077	mg/L	0.000787	0.01077	mg/L	0.000787	7.31%
Sr 421.552†	380.6	0.00057	mg/L	0.000076	0.00057	mg/L	0.000076	13.25%
Ti 334.903†	267.4	0.01096	mg/L	0.001561	0.01096	mg/L	0.001561	14.24%
Tl 190.801†	53.5	0.05066	mg/L	0.002524	0.05066	mg/L	0.002524	4.98%
V 292.402†	289.6	0.00114	mg/L	0.000042	0.00114	mg/L	0.000042	3.66%
Zn 206.200†	10.4	0.01125	mg/L	0.001120	0.01125	mg/L	0.001120	9.95%

Sequence No.: 8
Sample ID: MDL8
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 8/2/2006 12:21:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL8

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1673540.6	98.96	%	0.639				0.65%
ScR 361.383	195673.3	101.1	%	0.84				0.84%
Ag 328.068†	506.4	0.00173	mg/L	0.000253	0.00173	mg/L	0.000253	14.59%
Al 308.215†	28.5	0.02071	mg/L	0.015746	0.02071	mg/L	0.015746	76.02%
As 188.979†	44.8	0.05126	mg/L	0.004855	0.05126	mg/L	0.004855	9.47%
B 249.677†	33.2	0.01017	mg/L	0.001376	0.01017	mg/L	0.001376	13.53%
Ba 233.527†	8.6	0.00290	mg/L	0.001315	0.00290	mg/L	0.001315	45.40%
Be 313.042†	623.4	0.00101	mg/L	0.000067	0.00101	mg/L	0.000067	6.64%
Ca 317.933†	901.2	0.04932	mg/L	0.000317	0.04932	mg/L	0.000317	0.64%
Cd 228.802†	58.6	0.00189	mg/L	0.000047	0.00189	mg/L	0.000047	2.47%
Co 228.616†	77.3	0.00226	mg/L	0.000181	0.00226	mg/L	0.000181	8.01%
Cr 267.716†	30.9	0.00410	mg/L	0.000679	0.00410	mg/L	0.000679	16.55%
Cu 324.752†	1276.5	0.00487	mg/L	0.000070	0.00487	mg/L	0.000070	1.44%
Fe 273.955†	14.8	0.01572	mg/L	0.001313	0.01572	mg/L	0.001313	8.35%
K 766.490†	1810.5	1.499	mg/L	0.0560	1.499	mg/L	0.0560	3.74%
Mg 279.077†	52.5	0.03826	mg/L	0.005637	0.03826	mg/L	0.005637	14.73%
Mn 257.610†	22.1	0.00081	mg/L	0.000096	0.00081	mg/L	0.000096	11.87%
Mo 202.031†	46.4	0.00475	mg/L	0.000129	0.00475	mg/L	0.000129	2.72%
Na 589.592†	404.9	0.06523	mg/L	0.005562	0.06523	mg/L	0.005562	8.53%
Na 330.237†	-0.1	-0.00533	mg/L	0.873839	-0.00533	mg/L	0.873839	>999.9%
Ni 231.604†	38.4	0.02066	mg/L	0.001574	0.02066	mg/L	0.001574	7.62%
Pb 220.353†	79.6	0.00972	mg/L	0.000612	0.00972	mg/L	0.000612	6.29%
Sb 206.836†	51.2	0.04917	mg/L	0.002949	0.04917	mg/L	0.002949	6.00%
Se 196.026†	57.7	0.04770	mg/L	0.006416	0.04770	mg/L	0.006416	13.45%
Si 288.158†	56.6	0.03960	mg/L	0.007133	0.03960	mg/L	0.007133	18.01%
Sn 189.927†	42.3	0.01050	mg/L	0.001200	0.01050	mg/L	0.001200	11.43%
Sr 421.552†	347.3	0.00052	mg/L	0.000079	0.00052	mg/L	0.000079	15.08%
Ti 334.903†	237.9	0.00975	mg/L	0.000879	0.00975	mg/L	0.000879	9.02%
Tl 190.801†	55.9	0.05297	mg/L	0.004365	0.05297	mg/L	0.004365	8.24%
V 292.402†	262.7	0.00104	mg/L	0.000032	0.00104	mg/L	0.000032	3.06%
Zn 206.200†	11.8	0.01266	mg/L	0.001506	0.01266	mg/L	0.001506	11.89%

Sequence No.: 9
Sample ID: MDL9
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 29
Date Collected: 8/2/2006 12:27:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL9

Analyte	Back Pressure	Flow
All	194.0 kPa	0.50 L/min

Mean Data: MDL9

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1684505.4	99.61	%	0.800				0.80%
ScR 361.383	193879.5	100.2	%	0.86				0.86%
Ag 328.068†	540.2	0.00185	mg/L	0.000192	0.00185	mg/L	0.000192	10.39%
Al 308.215†	23.7	0.01722	mg/L	0.001400	0.01722	mg/L	0.001400	8.13%
As 188.979†	41.0	0.04691	mg/L	0.002972	0.04691	mg/L	0.002972	6.34%
B 249.677†	34.4	0.01051	mg/L	0.001650	0.01051	mg/L	0.001650	15.71%
Ba 233.527†	2.7	0.00091	mg/L	0.001376	0.00091	mg/L	0.001376	150.64%
Be 313.042†	598.0	0.00097	mg/L	0.000030	0.00097	mg/L	0.000030	3.14%
Ca 317.933†	859.2	0.04703	mg/L	0.001368	0.04703	mg/L	0.001368	2.91%
Cd 228.802†	60.3	0.00195	mg/L	0.000097	0.00195	mg/L	0.000097	4.95%
Co 228.616†	69.3	0.00202	mg/L	0.000078	0.00202	mg/L	0.000078	3.83%
Cr 267.716†	30.2	0.00400	mg/L	0.000639	0.00400	mg/L	0.000639	15.97%
Cu 324.752†	1201.2	0.00458	mg/L	0.000142	0.00458	mg/L	0.000142	3.10%
Fe 273.955†	14.4	0.01531	mg/L	0.001223	0.01531	mg/L	0.001223	7.99%
K 766.490†	1804.2	1.493	mg/L	0.0147	1.493	mg/L	0.0147	0.98%
Mg 279.077†	57.0	0.04154	mg/L	0.012002	0.04154	mg/L	0.012002	28.89%
Mn 257.610†	16.4	0.00060	mg/L	0.000210	0.00060	mg/L	0.000210	35.23%
Mo 202.031†	49.8	0.00510	mg/L	0.000106	0.00510	mg/L	0.000106	2.08%
Na 589.592†	399.4	0.06434	mg/L	0.007956	0.06434	mg/L	0.007956	12.37%
Na 330.237†	-0.1	-0.00368	mg/L	0.474139	-0.00368	mg/L	0.474139	>999.9%
Ni 231.604†	35.2	0.01896	mg/L	0.002037	0.01896	mg/L	0.002037	10.74%
Pb 220.353†	75.8	0.00925	mg/L	0.000482	0.00925	mg/L	0.000482	5.21%
Sb 206.836†	50.3	0.04831	mg/L	0.002815	0.04831	mg/L	0.002815	5.83%
Se 196.026†	57.8	0.04775	mg/L	0.002904	0.04775	mg/L	0.002904	6.08%
Si 288.158†	57.9	0.04052	mg/L	0.005429	0.04052	mg/L	0.005429	13.40%
Sn 189.927†	40.6	0.01008	mg/L	0.000501	0.01008	mg/L	0.000501	4.97%
Sr 421.552†	418.4	0.00063	mg/L	0.000137	0.00063	mg/L	0.000137	21.61%
Ti 334.903†	255.5	0.01047	mg/L	0.000424	0.01047	mg/L	0.000424	4.05%
Tl 190.801†	53.3	0.05051	mg/L	0.001831	0.05051	mg/L	0.001831	3.63%
V 292.402†	274.8	0.00108	mg/L	0.000019	0.00108	mg/L	0.000019	1.78%
Zn 206.200†	9.1	0.00979	mg/L	0.002614	0.00979	mg/L	0.002614	26.70%

Sequence No.: 10
Sample ID: MDL10
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 8/2/2006 12:34:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MDL10

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: MDL10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1678135.6	99.23	%	0.082				0.08%
ScR 361.383	197202.6	101.9	%	0.49				0.48%
Ag 328.068†	505.0	0.00173	mg/L	0.000071	0.00173	mg/L	0.000071	4.13%
Al 308.215†	13.7	0.00987	mg/L	0.011356	0.00987	mg/L	0.011356	115.01%
As 188.979†	42.5	0.04865	mg/L	0.001173	0.04865	mg/L	0.001173	2.41%
B 249.677†	31.7	0.00969	mg/L	0.001370	0.00969	mg/L	0.001370	14.14%
Ba 233.527†	9.6	0.00325	mg/L	0.001183	0.00325	mg/L	0.001183	36.42%
Be 313.042†	618.5	0.00100	mg/L	0.000022	0.00100	mg/L	0.000022	2.17%
Ca 317.933†	882.1	0.04828	mg/L	0.002829	0.04828	mg/L	0.002829	5.86%
Cd 228.802†	59.3	0.00192	mg/L	0.000017	0.00192	mg/L	0.000017	0.88%
Co 228.616†	74.3	0.00217	mg/L	0.000051	0.00217	mg/L	0.000051	2.34%
Cr 267.716†	28.7	0.00380	mg/L	0.000776	0.00380	mg/L	0.000776	20.42%
Cu 324.752†	1228.3	0.00469	mg/L	0.000230	0.00469	mg/L	0.000230	4.91%
Fe 273.955†	11.3	0.01201	mg/L	0.000891	0.01201	mg/L	0.000891	7.42%
K 766.490†	1816.3	1.503	mg/L	0.0370	1.503	mg/L	0.0370	2.46%
Mg 279.077†	54.7	0.03984	mg/L	0.008096	0.03984	mg/L	0.008096	20.32%
Mn 257.610†	19.3	0.00070	mg/L	0.000063	0.00070	mg/L	0.000063	8.95%
Mo 202.031†	46.6	0.00477	mg/L	0.000462	0.00477	mg/L	0.000462	9.70%
Na 589.592†	369.9	0.05958	mg/L	0.009480	0.05958	mg/L	0.009480	15.91%
Na 330.237†	6.5	0.2148	mg/L	0.33776	0.2148	mg/L	0.33776	157.25%
Ni 231.604†	39.2	0.02108	mg/L	0.001699	0.02108	mg/L	0.001699	8.06%
Pb 220.353†	80.9	0.00988	mg/L	0.000604	0.00988	mg/L	0.000604	6.11%
Sb 206.836†	50.5	0.04857	mg/L	0.001676	0.04857	mg/L	0.001676	3.45%
Se 196.026†	54.2	0.04483	mg/L	0.005431	0.04483	mg/L	0.005431	12.11%
Si 288.158†	54.7	0.03822	mg/L	0.006614	0.03822	mg/L	0.006614	17.31%
Sn 189.927†	42.5	0.01054	mg/L	0.000834	0.01054	mg/L	0.000834	7.91%
Sr 421.552†	361.3	0.00055	mg/L	0.000071	0.00055	mg/L	0.000071	13.00%
Ti 334.903†	277.9	0.01139	mg/L	0.001264	0.01139	mg/L	0.001264	11.10%
Tl 190.801†	53.6	0.05079	mg/L	0.002008	0.05079	mg/L	0.002008	3.95%
V 292.402†	281.2	0.00110	mg/L	0.000129	0.00110	mg/L	0.000129	11.71%
Zn 206.200†	10.3	0.01105	mg/L	0.001461	0.01105	mg/L	0.001461	13.22%

Sequence No.: 11
Sample ID: CV 3
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/2/2006 12:40:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	194.0 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	1626726.3	96.19	%	0.786				0.82%
ScR 361.383	190585.5	98.45	%	0.400				0.41%
Ag 328.068†	284116.4	0.9713	mg/L	0.00891	0.9713	mg/L	0.00891	0.92%
Al 308.215†	2690.7	1.932	mg/L	0.0185	1.932	mg/L	0.0185	0.96%
As 188.979†	1714.0	1.957	mg/L	0.0161	1.957	mg/L	0.0161	0.82%
B 249.677†	3109.4	0.9528	mg/L	0.00443	0.9528	mg/L	0.00443	0.46%
Ba 233.527†	2850.9	0.9630	mg/L	0.00754	0.9630	mg/L	0.00754	0.78%
Be 313.042†	602088.0	0.9729	mg/L	0.00137	0.9729	mg/L	0.00137	0.14%
Ca 317.933†	36959.4	2.023	mg/L	0.0025	2.023	mg/L	0.0025	0.12%
Cd 228.802†	30406.9	1.013	mg/L	0.0081	1.013	mg/L	0.0081	0.80%
Co 228.616†	32844.1	0.9657	mg/L	0.00569	0.9657	mg/L	0.00569	0.59%
Cr 267.716†	7137.1	0.9462	mg/L	0.00514	0.9462	mg/L	0.00514	0.54%
Cu 324.752†	267481.6	1.021	mg/L	0.0096	1.021	mg/L	0.0096	0.94%
Fe 273.955†	1900.8	2.019	mg/L	0.0219	2.019	mg/L	0.0219	1.08%
K 766.490†	23963.9	19.84	mg/L	0.099	19.84	mg/L	0.099	0.50%
Mg 279.077†	2719.9	1.984	mg/L	0.0080	1.984	mg/L	0.0080	0.40%
Mn 257.610†	26232.5	0.9560	mg/L	0.00292	0.9560	mg/L	0.00292	0.31%
Mo 202.031†	9662.8	0.9887	mg/L	0.01134	0.9887	mg/L	0.01134	1.15%
Na 589.592†	309688.6	49.89	mg/L	0.162	49.89	mg/L	0.162	0.32%
Na 330.237†	1532.0	50.75	mg/L	0.192	50.75	mg/L	0.192	0.38%
Ni 231.604†	1808.9	0.9725	mg/L	0.01010	0.9725	mg/L	0.01010	1.04%
Pb 220.353†	16262.8	1.986	mg/L	0.0248	1.986	mg/L	0.0248	1.25%
Sb 206.836†	2027.7	1.946	mg/L	0.0273	1.946	mg/L	0.0273	1.40%
Se 196.026†	2384.6	1.970	mg/L	0.0207	1.970	mg/L	0.0207	1.05%
Si 288.158†	2872.7	2.010	mg/L	0.0137	2.010	mg/L	0.0137	0.68%
Sn 189.927†	3803.2	0.9390	mg/L	0.00818	0.9390	mg/L	0.00818	0.87%
Sr 421.552†	649712.5	0.9814	mg/L	0.00160	0.9814	mg/L	0.00160	0.16%
Ti 334.903†	24357.6	0.9977	mg/L	0.00285	0.9977	mg/L	0.00285	0.29%
Tl 190.801†	2060.4	1.949	mg/L	0.0217	1.949	mg/L	0.0217	1.12%
V 292.402†	255842.3	0.9888	mg/L	0.00911	0.9888	mg/L	0.00911	0.92%
Zn 206.200†	912.7	0.9827	mg/L	0.00747	0.9827	mg/L	0.00747	0.76%

Sequence No.: 12
Sample ID: CB 3
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/2/2006 12:47:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	194.0 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	1671156.5	98.82	%	0.679				0.69%
ScR 361.383	193626.9	100.0	%	1.22				1.22%
Ag 328.068†	-6.7	-0.00002	mg/L	0.000135	-0.00002	mg/L	0.000135	590.35%
Al 308.215†	-43.0	-0.03149	mg/L	0.004769	-0.03149	mg/L	0.004769	15.14%
As 188.979†	1.6	0.00187	mg/L	0.000866	0.00187	mg/L	0.000866	46.19%
B 249.677†	6.5	0.00199	mg/L	0.001417	0.00199	mg/L	0.001417	71.37%
Ba 233.527†	-0.2	-0.00007	mg/L	0.001103	-0.00007	mg/L	0.001103	>999.9%
Be 313.042†	41.4	0.00007	mg/L	0.000043	0.00007	mg/L	0.000043	64.81%
Ca 317.933†	31.8	0.00174	mg/L	0.001178	0.00174	mg/L	0.001178	67.71%
Cd 228.802†	4.7	0.00015	mg/L	0.000017	0.00015	mg/L	0.000017	11.31%
Co 228.616†	6.4	0.00019	mg/L	0.000045	0.00019	mg/L	0.000045	23.95%
Cr 267.716†	-3.3	-0.00043	mg/L	0.000658	-0.00043	mg/L	0.000658	151.67%
Cu 324.752†	39.0	0.00015	mg/L	0.000284	0.00015	mg/L	0.000284	191.40%
Fe 273.955†	-0.7	-0.00075	mg/L	0.001260	-0.00075	mg/L	0.001260	168.32%
K 766.490†	23.6	0.01950	mg/L	0.030666	0.01950	mg/L	0.030666	157.25%
Mg 279.077†	-2.1	-0.00150	mg/L	0.004793	-0.00150	mg/L	0.004793	319.68%
Mn 257.610†	-10.4	-0.00038	mg/L	0.000162	-0.00038	mg/L	0.000162	42.87%
Mo 202.031†	5.0	0.00051	mg/L	0.000127	0.00051	mg/L	0.000127	24.70%
Na 589.592†	49.7	0.00801	mg/L	0.005423	0.00801	mg/L	0.005423	67.67%
Na 330.237†	-16.7	-0.5537	mg/L	0.11410	-0.5537	mg/L	0.11410	20.61%
Ni 231.604†	-0.6	-0.00034	mg/L	0.000898	-0.00034	mg/L	0.000898	263.90%
Pb 220.353†	2.6	0.00031	mg/L	0.000835	0.00031	mg/L	0.000835	273.59%
Sb 206.836†	1.9	0.00189	mg/L	0.001199	0.00189	mg/L	0.001199	63.58%
Se 196.026†	1.6	0.00132	mg/L	0.006475	0.00132	mg/L	0.006475	490.72%
Si 288.158†	3.3	0.00229	mg/L	0.004685	0.00229	mg/L	0.004685	204.53%
Sn 189.927†	11.2	0.00275	mg/L	0.000797	0.00275	mg/L	0.000797	28.98%
Sr 421.552†	36.1	0.00005	mg/L	0.000044	0.00005	mg/L	0.000044	80.92%
Ti 334.903†	12.4	0.00051	mg/L	0.000377	0.00051	mg/L	0.000377	74.31%
Tl 190.801†	3.5	0.00329	mg/L	0.002003	0.00329	mg/L	0.002003	60.87%
V 292.402†	21.5	0.00008	mg/L	0.000094	0.00008	mg/L	0.000094	117.76%
Zn 206.200†	-0.3	-0.00037	mg/L	0.002960	-0.00037	mg/L	0.002960	802.72%

Sequence No.: 13
Sample ID: JR06 B SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 10x

Autosampler Location: 31
Date Collected: 8/2/2006 12:53:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR06 B SWC

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: JR06 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1657003.7	97.98	%	0.683				0.70%
ScR 361.383	191131.4	98.73	%	0.838				0.85%
Ag 328.068†	-1084.2	0.00179	mg/L	0.000400	0.01795	mg/L	0.004002	22.30%
Al 308.215†	36114.3	26.42	mg/L	0.144	264.2	mg/L	1.44	0.54%
As 188.979†	268.2	0.2970	mg/L	0.00399	2.970	mg/L	0.0399	1.34%
B 249.677†	111.9	0.03698	mg/L	0.001274	0.3698	mg/L	0.01274	3.44%
Ba 233.527†	1080.1	0.3550	mg/L	0.00353	3.550	mg/L	0.0353	1.00%
Be 313.042†	436.6	0.00056	mg/L	0.000021	0.00556	mg/L	0.000214	3.85%
Ca 317.933†	660476.7	36.15	mg/L	0.150	361.5	mg/L	1.50	0.41%
Cd 228.802†	160.5	0.00386	mg/L	0.000163	0.03857	mg/L	0.001630	4.23%
Co 228.616†	3369.8	0.09379	mg/L	0.000364	0.9379	mg/L	0.00364	0.39%
Cr 267.716†	7143.6	0.9538	mg/L	0.00834	9.538	mg/L	0.0834	0.87%
Cu 324.752†	414313.9	1.595	mg/L	0.0076	15.95	mg/L	0.076	0.48%
Fe 273.955†	128570.9	136.8	mg/L	0.88	1368	mg/L	8.8	0.64%
K 766.490†	3259.0	2.698	mg/L	0.0764	26.98	mg/L	0.764	2.83%
Mg 279.077†	44938.6	32.61	mg/L	0.098	326.1	mg/L	0.98	0.30%
Mn 257.610†	33300.9	1.212	mg/L	0.0074	12.12	mg/L	0.074	0.61%
Mo 202.031†	1416.6	0.1448	mg/L	0.00045	1.448	mg/L	0.0045	0.31%
Na 589.592†	7990.7	1.287	mg/L	0.0103	12.87	mg/L	0.103	0.80%
Na 330.237†	61.5	1.115	mg/L	0.0966	11.15	mg/L	0.966	8.66%
Ni 231.604†	3121.1	1.676	mg/L	0.0161	16.76	mg/L	0.161	0.96%
Pb 220.353†	4959.4	0.6110	mg/L	0.00235	6.110	mg/L	0.0235	0.38%
Sb 206.836†	65.2	0.04954	mg/L	0.003545	0.4954	mg/L	0.03545	7.16%
Se 196.026†	-36.3	-0.03140	mg/L	0.005099	-0.3140	mg/L	0.05099	16.24%
Si 288.158†	250.0	0.1768	mg/L	0.00671	1.768	mg/L	0.0671	3.80%
Sn 189.927†	45.2	0.01650	mg/L	0.001209	0.1650	mg/L	0.01209	7.33%
Sr 421.552†	85771.3	0.1296	mg/L	0.00067	1.296	mg/L	0.0067	0.52%
Ti 334.903†	36788.0	1.508	mg/L	0.0076	15.08	mg/L	0.076	0.50%
Tl 190.801†	-20.3	-0.02101	mg/L	0.002498	-0.2101	mg/L	0.02498	11.89%
V 292.402†	25089.8	0.1025	mg/L	0.00032	1.025	mg/L	0.0032	0.31%
Zn 206.200†	3601.6	3.877	mg/L	0.0360	38.77	mg/L	0.360	0.93%

Sequence No.: 14
Sample ID: JR06 C SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 32
Date Collected: 8/2/2006 1:00:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR06 C SWC

Analyte	Back Pressure	Flow
All	193.0 kPa	0.50 L/min

Mean Data: JR06 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1637642.2	96.84	%	0.907				0.94%
ScR 361.383	192283.2	99.33	%	0.553				0.56%
Ag 328.068†	-1278.6	0.00199	mg/L	0.000240	0.00994	mg/L	0.001198	12.05%
Al 308.215†	64357.0	47.08	mg/L	0.303	235.4	mg/L	1.51	0.64%
As 188.979†	507.8	0.5663	mg/L	0.00484	2.832	mg/L	0.0242	0.85%
B 249.677†	120.1	0.03806	mg/L	0.001668	0.1903	mg/L	0.00834	4.38%
Ba 233.527†	847.4	0.2748	mg/L	0.00073	1.374	mg/L	0.0036	0.26%
Be 313.042†	612.1	0.00073	mg/L	0.000045	0.00365	mg/L	0.000226	6.20%
Ca 317.933†	510073.4	27.92	mg/L	0.212	139.6	mg/L	1.06	0.76%
Cd 228.802†	278.6	0.00703	mg/L	0.000184	0.03515	mg/L	0.000919	2.62%
Co 228.616†	3196.4	0.08599	mg/L	0.000903	0.4300	mg/L	0.00451	1.05%
Cr 267.716†	5152.0	0.6863	mg/L	0.00406	3.432	mg/L	0.0203	0.59%
Cu 324.752†	378333.4	1.459	mg/L	0.0020	7.295	mg/L	0.0101	0.14%
Fe 273.955†	149524.5	159.0	mg/L	0.64	795.2	mg/L	3.21	0.40%
K 766.490†	3493.7	2.892	mg/L	0.0537	14.46	mg/L	0.269	1.86%
Mg 279.077†	85646.1	62.23	mg/L	0.505	311.2	mg/L	2.52	0.81%
Mn 257.610†	48973.7	1.783	mg/L	0.0108	8.913	mg/L	0.0541	0.61%
Mo 202.031†	1243.5	0.1268	mg/L	0.00150	0.6340	mg/L	0.00748	1.18%
Na 589.592†	9436.7	1.520	mg/L	0.0143	7.601	mg/L	0.0717	0.94%
Na 330.237†	48.4	1.250	mg/L	0.1633	6.249	mg/L	0.8167	13.07%
Ni 231.604†	1534.3	0.8240	mg/L	0.00373	4.120	mg/L	0.0187	0.45%
Pb 220.353†	7349.8	0.9060	mg/L	0.00940	4.530	mg/L	0.0470	1.04%
Sb 206.836†	96.6	0.08539	mg/L	0.003894	0.4270	mg/L	0.01947	4.56%
Se 196.026†	-54.3	-0.04691	mg/L	0.005156	-0.2345	mg/L	0.02578	10.99%
Si 288.158†	762.3	0.5344	mg/L	0.00599	2.672	mg/L	0.0300	1.12%
Sn 189.927†	127.7	0.03429	mg/L	0.001681	0.1715	mg/L	0.00840	4.90%
Sr 421.552†	70659.2	0.1067	mg/L	0.00063	0.5337	mg/L	0.00316	0.59%
Ti 334.903†	72925.7	2.990	mg/L	0.0191	14.95	mg/L	0.096	0.64%
Tl 190.801†	-13.7	-0.01611	mg/L	0.003630	-0.08056	mg/L	0.018152	22.53%
V 292.402†	43389.4	0.1703	mg/L	0.00002	0.8514	mg/L	0.00012	0.01%
Zn 206.200†	3142.3	3.382	mg/L	0.0200	16.91	mg/L	0.100	0.59%

Sequence No.: 15
Sample ID: JR06 E SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 33
Date Collected: 8/2/2006 1:06:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR06 E SWC

Analyte	Back Pressure	Flow
All	194.0 kPa	0.50 L/min

Mean Data: JR06 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1638237.5	96.87	%	0.774				0.80%
ScR 361.383	190542.6	98.43	%	0.460				0.47%
Ag 328.068†	-1789.1	0.00058	mg/L	0.000046	0.00583	mg/L	0.000456	7.82%
Al 308.215†	47497.8	34.75	mg/L	0.033	347.5	mg/L	0.33	0.10%
As 188.979†	217.7	0.2396	mg/L	0.00353	2.396	mg/L	0.0353	1.47%
B 249.677†	204.4	0.06418	mg/L	0.001200	0.6418	mg/L	0.01200	1.87%
Ba 233.527†	831.1	0.2685	mg/L	0.00332	2.685	mg/L	0.0332	1.24%
Be 313.042†	407.9	0.00048	mg/L	0.000002	0.00481	mg/L	0.000021	0.44%
Ca 317.933†	496981.9	27.20	mg/L	0.036	272.0	mg/L	0.36	0.13%
Cd 228.802†	285.3	0.00784	mg/L	0.000065	0.07840	mg/L	0.000654	0.83%
Co 228.616†	5007.8	0.1414	mg/L	0.00082	1.414	mg/L	0.0082	0.58%
Cr 267.716†	4971.8	0.6620	mg/L	0.00458	6.620	mg/L	0.0458	0.69%
Cu 324.752†	165553.5	0.6473	mg/L	0.00751	6.473	mg/L	0.0751	1.16%
Fe 273.955†	157671.3	167.7	mg/L	0.52	1677	mg/L	5.2	0.31%
K 766.490†	5244.1	4.341	mg/L	0.0427	43.41	mg/L	0.427	0.98%
Mg 279.077†	97168.2	70.61	mg/L	0.210	706.1	mg/L	2.10	0.30%
Mn 257.610†	48951.1	1.782	mg/L	0.0036	17.82	mg/L	0.036	0.20%
Mo 202.031†	1570.8	0.1598	mg/L	0.00124	1.598	mg/L	0.0124	0.77%
Na 589.592†	16998.7	2.738	mg/L	0.0080	27.38	mg/L	0.080	0.29%
Na 330.237†	91.8	2.670	mg/L	0.3706	26.70	mg/L	3.706	13.88%
Ni 231.604†	3620.3	1.944	mg/L	0.0113	19.44	mg/L	0.113	0.58%
Pb 220.353†	3697.3	0.4588	mg/L	0.00300	4.588	mg/L	0.0300	0.65%
Sb 206.836†	44.1	0.03408	mg/L	0.005363	0.3408	mg/L	0.05363	15.73%
Se 196.026†	-58.0	-0.05001	mg/L	0.004676	-0.5001	mg/L	0.04676	9.35%
Si 288.158†	302.6	0.2129	mg/L	0.00398	2.129	mg/L	0.0398	1.87%
Sn 189.927†	33.3	0.01088	mg/L	0.000393	0.1088	mg/L	0.00393	3.62%
Sr 421.552†	110085.4	0.1663	mg/L	0.00029	1.663	mg/L	0.0029	0.17%
Ti 334.903†	38064.9	1.561	mg/L	0.0040	15.61	mg/L	0.040	0.26%
Tl 190.801†	-19.1	-0.01991	mg/L	0.005053	-0.1991	mg/L	0.05053	25.38%
V 292.402†	29796.7	0.1186	mg/L	0.00130	1.186	mg/L	0.0130	1.10%
Zn 206.200†	1918.5	2.063	mg/L	0.0083	20.63	mg/L	0.083	0.40%

Sequence No.: 16
Sample ID: JR06 H SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 34
Date Collected: 8/2/2006 1:13:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JR06 H SWC

Analyte	Back Pressure	Flow
All	194.0 kPa	0.50 L/min

Mean Data: JR06 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1648461.8	97.48	%	0.196				0.20%
ScR 361.383	191859.1	99.11	%	2.022				2.04%
Ag 328.068†	-1419.1	0.00030	mg/L	0.000205	0.00303	mg/L	0.002050	67.73%
Al 308.215†	40413.8	29.57	mg/L	0.344	295.7	mg/L	3.44	1.16%
As 188.979†	231.7	0.2561	mg/L	0.00609	2.561	mg/L	0.0609	2.38%
B 249.677†	238.0	0.07355	mg/L	0.001791	0.7355	mg/L	0.01791	2.43%
Ba 233.527†	687.2	0.2228	mg/L	0.00457	2.228	mg/L	0.0457	2.05%
Be 313.042†	387.0	0.00047	mg/L	0.000039	0.00473	mg/L	0.000385	8.14%
Ca 317.933†	512998.6	28.08	mg/L	0.302	280.8	mg/L	3.02	1.08%
Cd 228.802†	266.3	0.00744	mg/L	0.000139	0.07441	mg/L	0.001386	1.86%
Co 228.616†	2925.4	0.08097	mg/L	0.000541	0.8097	mg/L	0.00541	0.67%
Cr 267.716†	3119.0	0.4100	mg/L	0.00789	4.100	mg/L	0.0789	1.93%
Cu 324.752†	149405.7	0.5818	mg/L	0.00173	5.818	mg/L	0.0173	0.30%
Fe 273.955†	121397.5	129.1	mg/L	1.40	1291	mg/L	14.0	1.09%
K 766.490†	2831.1	2.343	mg/L	0.0537	23.43	mg/L	0.537	2.29%
Mg 279.077†	125013.2	90.91	mg/L	0.786	909.1	mg/L	7.86	0.86%
Mn 257.610†	39831.8	1.449	mg/L	0.0171	14.49	mg/L	0.171	1.18%
Mo 202.031†	668.6	0.06690	mg/L	0.000177	0.6690	mg/L	0.00177	0.26%
Na 589.592†	9844.5	1.586	mg/L	0.0212	15.86	mg/L	0.212	1.34%
Na 330.237†	60.6	1.298	mg/L	0.2118	12.98	mg/L	2.118	16.32%
Ni 231.604†	2250.8	1.209	mg/L	0.0204	12.09	mg/L	0.204	1.69%
Pb 220.353†	3615.5	0.4473	mg/L	0.00195	4.473	mg/L	0.0195	0.44%
Sb 206.836†	29.4	0.02365	mg/L	0.001920	0.2365	mg/L	0.01920	8.12%
Se 196.026†	-47.7	-0.04112	mg/L	0.006945	-0.4112	mg/L	0.06945	16.89%
Si 288.158†	310.0	0.2176	mg/L	0.00694	2.176	mg/L	0.0694	3.19%
Sn 189.927†	45.1	0.01339	mg/L	0.000934	0.1339	mg/L	0.00934	6.97%
Sr 421.552†	75519.0	0.1141	mg/L	0.00139	1.141	mg/L	0.0139	1.22%
Ti 334.903†	36569.9	1.500	mg/L	0.0205	15.00	mg/L	0.205	1.37%
Tl 190.801†	-17.9	-0.01870	mg/L	0.004664	-0.1870	mg/L	0.04664	24.93%
V 292.402†	25402.4	0.09996	mg/L	0.000456	0.9996	mg/L	0.00456	0.46%
Zn 206.200†	3076.3	3.312	mg/L	0.0663	33.12	mg/L	0.663	2.00%

Sequence No.: 17
Sample ID: CV
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/2/2006 1:20:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	195.0 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	1644929.7	97.27	%	0.143				0.15%
ScR 361.383	197211.5	101.9	%	0.72				0.70%
Ag 328.068†	284144.0	0.9714	mg/L	0.00270	0.9714	mg/L	0.00270	0.28%
Al 308.215†	2690.8	1.932	mg/L	0.0218	1.932	mg/L	0.0218	1.13%
As 188.979†	1721.3	1.965	mg/L	0.0089	1.965	mg/L	0.0089	0.45%
B 249.677†	3154.1	0.9665	mg/L	0.01188	0.9665	mg/L	0.01188	1.23%
Ba 233.527†	2886.9	0.9752	mg/L	0.01130	0.9752	mg/L	0.01130	1.16%
Be 313.042†	608089.7	0.9826	mg/L	0.00545	0.9826	mg/L	0.00545	0.55%
Ca 317.933†	37273.9	2.040	mg/L	0.0092	2.040	mg/L	0.0092	0.45%
Cd 228.802†	30502.6	1.016	mg/L	0.0014	1.016	mg/L	0.0014	0.14%
Co 228.616†	33012.9	0.9707	mg/L	0.00225	0.9707	mg/L	0.00225	0.23%
Cr 267.716†	7220.8	0.9573	mg/L	0.01159	0.9573	mg/L	0.01159	1.21%
Cu 324.752†	267219.9	1.020	mg/L	0.0017	1.020	mg/L	0.0017	0.16%
Fe 273.955†	1931.7	2.052	mg/L	0.0278	2.052	mg/L	0.0278	1.35%
K 766.490†	23529.7	19.48	mg/L	0.068	19.48	mg/L	0.068	0.35%
Mg 279.077†	2767.5	2.019	mg/L	0.0250	2.019	mg/L	0.0250	1.24%
Mn 257.610†	26162.7	0.9534	mg/L	0.01108	0.9534	mg/L	0.01108	1.16%
Mo 202.031†	9788.1	1.001	mg/L	0.0052	1.001	mg/L	0.0052	0.52%
Na 589.592†	306137.5	49.32	mg/L	0.140	49.32	mg/L	0.140	0.28%
Na 330.237†	1489.5	49.33	mg/L	0.397	49.33	mg/L	0.397	0.80%
Ni 231.604†	1836.5	0.9873	mg/L	0.01183	0.9873	mg/L	0.01183	1.20%
Pb 220.353†	16343.5	1.995	mg/L	0.0105	1.995	mg/L	0.0105	0.53%
Sb 206.836†	2030.2	1.949	mg/L	0.0019	1.949	mg/L	0.0019	0.10%
Se 196.026†	2397.5	1.981	mg/L	0.0049	1.981	mg/L	0.0049	0.25%
Si 288.158†	2870.3	2.009	mg/L	0.0289	2.009	mg/L	0.0289	1.44%
Sn 189.927†	3815.1	0.9419	mg/L	0.00125	0.9419	mg/L	0.00125	0.13%
Sr 421.552†	646280.2	0.9762	mg/L	0.00400	0.9762	mg/L	0.00400	0.41%
Ti 334.903†	24418.6	1.000	mg/L	0.0050	1.000	mg/L	0.0050	0.50%
Tl 190.801†	2063.7	1.952	mg/L	0.0011	1.952	mg/L	0.0011	0.05%
V 292.402†	256414.7	0.9911	mg/L	0.00308	0.9911	mg/L	0.00308	0.31%
Zn 206.200†	938.4	1.010	mg/L	0.0151	1.010	mg/L	0.0151	1.49%

Sequence No.: 18
Sample ID: CB 4
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/2/2006 1:26:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	195.0 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	1674365.9	99.01	%	0.369				0.37%
ScR 361.383	190271.1	98.29	%	0.238				0.24%
Ag 328.068†	-9.6	-0.00003	mg/L	0.000120	-0.00003	mg/L	0.000120	363.23%
Al 308.215†	-37.2	-0.02724	mg/L	0.019521	-0.02724	mg/L	0.019521	71.67%
As 188.979†	0.2	0.00023	mg/L	0.005839	0.00023	mg/L	0.005839	>999.9%
B 249.677†	4.6	0.00140	mg/L	0.001560	0.00140	mg/L	0.001560	111.17%
Ba 233.527†	-0.8	-0.00026	mg/L	0.000834	-0.00026	mg/L	0.000834	317.08%
Be 313.042†	45.5	0.00007	mg/L	0.000025	0.00007	mg/L	0.000025	34.57%
Ca 317.933†	29.2	0.00160	mg/L	0.001419	0.00160	mg/L	0.001419	88.73%
Cd 228.802†	2.7	0.00009	mg/L	0.000068	0.00009	mg/L	0.000068	75.39%
Co 228.616†	2.4	0.00007	mg/L	0.000103	0.00007	mg/L	0.000103	148.76%
Cr 267.716†	6.7	0.00089	mg/L	0.000405	0.00089	mg/L	0.000405	45.41%
Cu 324.752†	18.0	0.00007	mg/L	0.000061	0.00007	mg/L	0.000061	89.51%
Fe 273.955†	-4.4	-0.00464	mg/L	0.001237	-0.00464	mg/L	0.001237	26.66%
K 766.490†	62.2	0.05148	mg/L	0.026246	0.05148	mg/L	0.026246	50.98%
Mg 279.077†	-7.7	-0.00563	mg/L	0.005892	-0.00563	mg/L	0.005892	104.67%
Mn 257.610†	-4.7	-0.00017	mg/L	0.000113	-0.00017	mg/L	0.000113	65.58%
Mo 202.031†	3.5	0.00035	mg/L	0.000382	0.00035	mg/L	0.000382	107.84%
Na 589.592†	83.0	0.01338	mg/L	0.007213	0.01338	mg/L	0.007213	53.91%
Na 330.237†	-12.1	-0.4023	mg/L	0.86186	-0.4023	mg/L	0.86186	214.26%
Ni 231.604†	-0.8	-0.00043	mg/L	0.000486	-0.00043	mg/L	0.000486	112.11%
Pb 220.353†	8.7	0.00106	mg/L	0.000449	0.00106	mg/L	0.000449	42.42%
Sb 206.836†	0.2	0.00016	mg/L	0.001312	0.00016	mg/L	0.001312	798.29%
Se 196.026†	5.3	0.00440	mg/L	0.005614	0.00440	mg/L	0.005614	127.50%
Si 288.158†	5.3	0.00370	mg/L	0.001301	0.00370	mg/L	0.001301	35.14%
Sn 189.927†	2.1	0.00052	mg/L	0.000592	0.00052	mg/L	0.000592	114.55%
Sr 421.552†	11.2	0.00002	mg/L	0.000076	0.00002	mg/L	0.000076	452.94%
Ti 334.903†	10.2	0.00042	mg/L	0.001151	0.00042	mg/L	0.001151	275.16%
Tl 190.801†	0.9	0.00083	mg/L	0.003220	0.00083	mg/L	0.003220	388.34%
V 292.402†	27.1	0.00011	mg/L	0.000094	0.00011	mg/L	0.000094	85.44%
Zn 206.200†	2.8	0.00298	mg/L	0.001279	0.00298	mg/L	0.001279	42.99%

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Analysis Begun

Start Time: 8/2/2006 1:32:21 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101

Plasma On Time: 8/2/2006 8:17:01 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0802.sif
Batch ID:
Results Data Set: PE060802
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 1
Sample ID: JQ36 MB1 SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 21
Date Collected: 8/2/2006 1:32:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 MB1 SWC

Analyte	Back Pressure	Flow
All	195.0 kPa	0.50 L/min

Mean Data: JQ36 MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1694860.8	100.2	%	0.66				0.66%
ScR 361.383	196590.8	101.6	%	0.84				0.83%
Ag 328.068†	26.3	0.00009	mg/L	0.000020	0.00018	mg/L	0.000040	22.48%
Al 308.215†	10.5	0.00768	mg/L	0.014566	0.01536	mg/L	0.029132	189.65%
As 188.979†	-0.0	-0.00005	mg/L	0.003608	-0.00011	mg/L	0.007216	>999.9%
B 249.677†	3.0	0.00092	mg/L	0.002085	0.00184	mg/L	0.004170	227.23%
Ba 233.527†	-2.5	-0.00085	mg/L	0.000283	-0.00170	mg/L	0.000567	33.39%
Be 313.042†	-6.8	-0.00001	mg/L	0.000031	-0.00002	mg/L	0.000061	277.07%
Ca 317.933†	615.2	0.03367	mg/L	0.001963	0.06734	mg/L	0.003926	5.83%
Cd 228.802†	-0.9	-0.00003	mg/L	0.000068	-0.00006	mg/L	0.000137	223.28%
Co 228.616†	9.9	0.00029	mg/L	0.000123	0.00058	mg/L	0.000247	42.73%
Cr 267.716†	-2.4	-0.00032	mg/L	0.001070	-0.00065	mg/L	0.002139	331.02%
Cu 324.752†	27.2	0.00010	mg/L	0.000220	0.00021	mg/L	0.000440	211.86%
Fe 273.955†	1.6	0.00169	mg/L	0.000705	0.00337	mg/L	0.001411	41.85%
K 766.490†	-37.5	-0.03103	mg/L	0.002993	-0.06205	mg/L	0.005986	9.65%
Mg 279.077†	6.0	0.00435	mg/L	0.004554	0.00870	mg/L	0.009108	104.66%
Mn 257.610†	-7.0	-0.00025	mg/L	0.000070	-0.00051	mg/L	0.000140	27.52%
Mo 202.031†	-1.0	-0.00011	mg/L	0.000092	-0.00021	mg/L	0.000183	85.52%
Na 589.592†	60.6	0.00976	mg/L	0.006009	0.01952	mg/L	0.012017	61.56%
Na 330.237†	-2.7	-0.08998	mg/L	0.251500	-0.1800	mg/L	0.50300	279.52%
Ni 231.604†	1.7	0.00090	mg/L	0.001983	0.00181	mg/L	0.003965	219.19%
Pb 220.353†	4.9	0.00060	mg/L	0.000518	0.00120	mg/L	0.001035	85.92%
Sb 206.836†	0.3	0.00032	mg/L	0.004251	0.00064	mg/L	0.008501	>999.9%
Se 196.026†	-0.7	-0.00056	mg/L	0.004007	-0.00111	mg/L	0.008014	720.15%
Si 288.158†	4.3	0.00304	mg/L	0.004372	0.00607	mg/L	0.008744	143.99%
Sn 189.927†	6.6	0.00162	mg/L	0.000774	0.00324	mg/L	0.001549	47.77%
Sr 421.552†	146.5	0.00022	mg/L	0.000033	0.00044	mg/L	0.000067	15.13%
Ti 334.903†	29.4	0.00121	mg/L	0.001218	0.00241	mg/L	0.002437	101.03%
Tl 190.801†	3.8	0.00364	mg/L	0.000415	0.00729	mg/L	0.000830	11.38%
V 292.402†	11.8	0.00004	mg/L	0.000086	0.00008	mg/L	0.000172	203.19%
Zn 206.200†	3.1	0.00337	mg/L	0.003189	0.00673	mg/L	0.006378	94.74%

Sequence No.: 2
Sample ID: JQ36 B SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 22
Date Collected: 8/2/2006 1:38:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 B SWC

Analyte	Back Pressure	Flow
All	195.0 kPa	0.50 L/min

Mean Data: JQ36 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1711939.1	101.2	%	0.83				0.82%
ScR 361.383	202191.3	104.4	%	0.70				0.67%
Ag 328.068†	-2537.7	0.00089	mg/L	0.000132	0.00177	mg/L	0.000263	14.85%
Al 308.215†	298920.7	218.7	mg/L	0.70	437.4	mg/L	1.40	0.32%
As 188.979†	86.1	0.05013	mg/L	0.007210	0.1003	mg/L	0.01442	14.38%
B 249.677†	58.4	0.01472	mg/L	0.002167	0.02943	mg/L	0.004335	14.73%
Ba 233.527†	2739.6	0.9083	mg/L	0.00433	1.817	mg/L	0.0087	0.48%
Be 313.042†	2774.1	0.00353	mg/L	0.000045	0.00706	mg/L	0.000089	1.26%
Ca 317.933†	757710.0	41.47	mg/L	0.098	82.94	mg/L	0.196	0.24%
Cd 228.802†	126.9	0.00164	mg/L	0.000203	0.00328	mg/L	0.000406	12.40%
Co 228.616†	3982.6	0.09753	mg/L	0.001042	0.1951	mg/L	0.00208	1.07%
Cr 267.716†	1464.8	0.2051	mg/L	0.00074	0.4102	mg/L	0.00148	0.36%
Cu 324.752†	76334.4	0.3119	mg/L	0.00023	0.6237	mg/L	0.00045	0.07%
Fe 273.955†	226641.8	241.1	mg/L	1.09	482.1	mg/L	2.17	0.45%
K 766.490†	8760.7	7.252	mg/L	0.0670	14.50	mg/L	0.134	0.92%
Mg 279.077†	57303.6	41.54	mg/L	0.076	83.08	mg/L	0.152	0.18%
Mn 257.610†	109522.5	3.987	mg/L	0.0114	7.974	mg/L	0.0228	0.29%
Mo 202.031†	19.5	0.00585	mg/L	0.000321	0.01170	mg/L	0.000642	5.49%
Na 589.592†	35504.6	5.719	mg/L	0.0141	11.44	mg/L	0.028	0.25%
Na 330.237†	99.2	5.245	mg/L	0.1685	10.49	mg/L	0.337	3.21%
Ni 231.604†	308.7	0.1658	mg/L	0.00200	0.3316	mg/L	0.00399	1.20%
Pb 220.353†	2174.5	0.3075	mg/L	0.00300	0.6151	mg/L	0.00600	0.97%
Sb 206.836†	16.3	0.02339	mg/L	0.005258	0.04679	mg/L	0.010516	22.48%
Se 196.026†	-90.3	-0.07915	mg/L	0.005886	-0.1583	mg/L	0.01177	7.44%
Si 288.158†	4104.1	2.870	mg/L	0.0236	5.740	mg/L	0.0472	0.82%
Sn 189.927†	-17.2	0.00003	mg/L	0.002732	0.00005	mg/L	0.005464	>999.9%
Sr 421.552†	339769.7	0.5132	mg/L	0.00184	1.026	mg/L	0.0037	0.36%
Ti 334.903†	248404.4	10.19	mg/L	0.027	20.37	mg/L	0.054	0.27%
Tl 190.801†	-19.5	-0.02929	mg/L	0.003969	-0.05859	mg/L	0.007938	13.55%
V 292.402†	159153.3	0.6079	mg/L	0.00129	1.216	mg/L	0.0026	0.21%
Zn 206.200†	837.3	0.8963	mg/L	0.00287	1.793	mg/L	0.0057	0.32%

Sequence No.: 3
Sample ID: JQ36 C SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 23
Date Collected: 8/2/2006 1:45:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 C SWC

Analyte	Back Pressure	Flow
All	196.0 kPa	0.50 L/min

Mean Data: JQ36 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1701931.7	100.6	%	0.21				0.21%
ScR 361.383	201545.5	104.1	%	0.26				0.25%
Ag 328.068†	-2329.7	0.00189	mg/L	0.000198	0.00378	mg/L	0.000395	10.45%
Al 308.215†	249420.2	182.5	mg/L	0.10	364.9	mg/L	0.20	0.05%
As 188.979†	88.4	0.05475	mg/L	0.008547	0.1095	mg/L	0.01709	15.61%
B 249.677†	57.8	0.01435	mg/L	0.000790	0.02869	mg/L	0.001581	5.51%
Ba 233.527†	2658.0	0.8804	mg/L	0.00345	1.761	mg/L	0.0069	0.39%
Be 313.042†	2493.9	0.00308	mg/L	0.000031	0.00616	mg/L	0.000062	1.00%
Ca 317.933†	790833.7	43.28	mg/L	0.029	86.57	mg/L	0.058	0.07%
Cd 228.802†	217.4	0.00462	mg/L	0.000129	0.00923	mg/L	0.000258	2.79%
Co 228.616†	4258.8	0.1043	mg/L	0.00062	0.2085	mg/L	0.00124	0.59%
Cr 267.716†	1385.3	0.1960	mg/L	0.00095	0.3920	mg/L	0.00190	0.48%
Cu 324.752†	82388.4	0.3353	mg/L	0.00070	0.6707	mg/L	0.00140	0.21%
Fe 273.955†	230549.1	245.2	mg/L	0.65	490.4	mg/L	1.30	0.26%
K 766.490†	8164.3	6.758	mg/L	0.0088	13.52	mg/L	0.018	0.13%
Mg 279.077†	50648.3	36.69	mg/L	0.047	73.38	mg/L	0.094	0.13%
Mn 257.610†	89152.5	3.245	mg/L	0.0073	6.491	mg/L	0.0147	0.23%
Mo 202.031†	24.8	0.00570	mg/L	0.000777	0.01141	mg/L	0.001553	13.62%
Na 589.592†	38320.1	6.173	mg/L	0.0078	12.35	mg/L	0.016	0.13%
Na 330.237†	123.3	5.967	mg/L	0.1499	11.93	mg/L	0.300	2.51%
Ni 231.604†	335.3	0.1801	mg/L	0.00110	0.3601	mg/L	0.00219	0.61%
Pb 220.353†	4396.4	0.5715	mg/L	0.00193	1.143	mg/L	0.0039	0.34%
Sb 206.836†	16.9	0.02446	mg/L	0.003806	0.04891	mg/L	0.007612	15.56%
Se 196.026†	-89.6	-0.07780	mg/L	0.008778	-0.1556	mg/L	0.01756	11.28%
Si 288.158†	2993.1	2.093	mg/L	0.0234	4.186	mg/L	0.0468	1.12%
Sn 189.927†	-16.5	0.00060	mg/L	0.000222	0.00120	mg/L	0.000444	37.11%
Sr 421.552†	338715.6	0.5116	mg/L	0.00072	1.023	mg/L	0.0014	0.14%
Ti 334.903†	258177.5	10.59	mg/L	0.015	21.18	mg/L	0.030	0.14%
Tl 190.801†	-18.2	-0.02841	mg/L	0.003808	-0.05682	mg/L	0.007615	13.40%
V 292.402†	158588.2	0.6054	mg/L	0.00125	1.211	mg/L	0.0025	0.21%
Zn 206.200†	1428.2	1.533	mg/L	0.0037	3.066	mg/L	0.0074	0.24%

Sequence No.: 4
Sample ID: JQ36 D SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 24
Date Collected: 8/2/2006 1:51:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 D SWC

Analyte	Back Pressure	Flow
All	197.0 kPa	0.50 L/min

Mean Data: JQ36 D SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1719515.0	101.7	%	0.15				0.14%
ScR 361.383	203936.2	105.3	%	0.44				0.41%
Ag 328.068†	-2728.1	-0.00050	mg/L	0.000025	-0.00099	mg/L	0.000049	4.98%
Al 308.215†	152533.2	111.6	mg/L	0.09	223.2	mg/L	0.18	0.08%
As 188.979†	66.7	0.03307	mg/L	0.003912	0.06614	mg/L	0.007824	11.83%
B 249.677†	43.5	0.00934	mg/L	0.001789	0.01867	mg/L	0.003577	19.16%
Ba 233.527†	1811.3	0.5964	mg/L	0.00053	1.193	mg/L	0.0011	0.09%
Be 313.042†	1915.5	0.00215	mg/L	0.000059	0.00430	mg/L	0.000118	2.75%
Ca 317.933†	842973.2	46.14	mg/L	0.164	92.27	mg/L	0.328	0.36%
Cd 228.802†	64.9	-0.00014	mg/L	0.000102	-0.00027	mg/L	0.000204	75.08%
Co 228.616†	3964.4	0.09283	mg/L	0.000338	0.1857	mg/L	0.00068	0.36%
Cr 267.716†	930.7	0.1346	mg/L	0.00022	0.2693	mg/L	0.00043	0.16%
Cu 324.752†	34188.5	0.1482	mg/L	0.00022	0.2964	mg/L	0.00044	0.15%
Fe 273.955†	202893.5	215.8	mg/L	0.13	431.6	mg/L	0.26	0.06%
K 766.490†	7212.0	5.970	mg/L	0.0282	11.94	mg/L	0.056	0.47%
Mg 279.077†	42252.1	30.60	mg/L	0.096	61.20	mg/L	0.193	0.32%
Mn 257.610†	55298.9	2.013	mg/L	0.0038	4.026	mg/L	0.0077	0.19%
Mo 202.031†	32.9	0.00511	mg/L	0.000127	0.01022	mg/L	0.000255	2.49%
Na 589.592†	40836.9	6.578	mg/L	0.0119	13.16	mg/L	0.024	0.18%
Na 330.237†	111.3	6.146	mg/L	0.2772	12.29	mg/L	0.554	4.51%
Ni 231.604†	286.1	0.1536	mg/L	0.00327	0.3072	mg/L	0.00654	2.13%
Pb 220.353†	792.9	0.1184	mg/L	0.00080	0.2367	mg/L	0.00160	0.67%
Sb 206.836†	8.1	0.01808	mg/L	0.002560	0.03615	mg/L	0.005119	14.16%
Se 196.026†	-62.9	-0.05430	mg/L	0.005281	-0.1086	mg/L	0.01056	9.72%
Si 288.158†	2109.7	1.475	mg/L	0.0095	2.951	mg/L	0.0189	0.64%
Sn 189.927†	-38.3	-0.00441	mg/L	0.002080	-0.00881	mg/L	0.004159	47.21%
Sr 421.552†	283869.7	0.4288	mg/L	0.00084	0.8576	mg/L	0.00168	0.20%
Ti 334.903†	290799.4	11.93	mg/L	0.023	23.85	mg/L	0.047	0.20%
Tl 190.801†	-14.3	-0.02580	mg/L	0.002307	-0.05160	mg/L	0.004615	8.94%
V 292.402†	157662.2	0.6006	mg/L	0.00174	1.201	mg/L	0.0035	0.29%
Zn 206.200†	446.6	0.4761	mg/L	0.00379	0.9521	mg/L	0.00759	0.80%

Sequence No.: 5
Sample ID: JQ36 E SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 25
Date Collected: 8/2/2006 1:58:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 E SWC

Analyte	Back Pressure	Flow
All	198.0 kPa	0.50 L/min

Mean Data: JQ36 E SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1744751.7	103.2	%	0.86				0.83%
ScR 361.383	204113.8	105.4	%	1.07				1.02%
Ag 328.068†	335.7	0.00958	mg/L	0.000238	0.01916	mg/L	0.000477	2.49%
Al 308.215†	213106.7	155.9	mg/L	0.83	311.8	mg/L	1.65	0.53%
As 188.979†	286.6	0.2887	mg/L	0.00344	0.5774	mg/L	0.00688	1.19%
B 249.677†	38.5	0.00907	mg/L	0.002847	0.01813	mg/L	0.005693	31.40%
Ba 233.527†	2479.2	0.8220	mg/L	0.00823	1.644	mg/L	0.0165	1.00%
Be 313.042†	2114.8	0.00261	mg/L	0.000071	0.00522	mg/L	0.000142	2.71%
Ca 317.933†	706660.0	38.68	mg/L	0.085	77.35	mg/L	0.170	0.22%
Cd 228.802†	564.1	0.01617	mg/L	0.000256	0.03233	mg/L	0.000513	1.59%
Co 228.616†	3756.4	0.09298	mg/L	0.000703	0.1860	mg/L	0.00141	0.76%
Cr 267.716†	1191.8	0.1681	mg/L	0.00112	0.3362	mg/L	0.00223	0.66%
Cu 324.752†	292862.0	1.137	mg/L	0.0079	2.274	mg/L	0.0158	0.69%
Fe 273.955†	204183.8	217.2	mg/L	0.30	434.4	mg/L	0.61	0.14%
K 766.490†	6942.6	5.747	mg/L	0.0467	11.49	mg/L	0.093	0.81%
Mg 279.077†	44920.7	32.54	mg/L	0.148	65.08	mg/L	0.295	0.45%
Mn 257.610†	127607.0	4.647	mg/L	0.0115	9.294	mg/L	0.0230	0.25%
Mo 202.031†	23.7	0.00511	mg/L	0.000357	0.01022	mg/L	0.000714	6.99%
Na 589.592†	44493.8	7.167	mg/L	0.0380	14.33	mg/L	0.076	0.53%
Na 330.237†	171.8	6.841	mg/L	0.3199	13.68	mg/L	0.640	4.68%
Ni 231.604†	280.1	0.1504	mg/L	0.00095	0.3008	mg/L	0.00190	0.63%
Pb 220.353†	20702.8	2.555	mg/L	0.0242	5.110	mg/L	0.0484	0.95%
Sb 206.836†	27.0	0.03268	mg/L	0.005933	0.06536	mg/L	0.011865	18.15%
Se 196.026†	-70.4	-0.06345	mg/L	0.008550	-0.1269	mg/L	0.01710	13.47%
Si 288.158†	2806.5	1.963	mg/L	0.0224	3.925	mg/L	0.0448	1.14%
Sn 189.927†	-12.9	0.00128	mg/L	0.000383	0.00257	mg/L	0.000765	29.78%
Sr 421.552†	326940.5	0.4939	mg/L	0.00218	0.9877	mg/L	0.00437	0.44%
Ti 334.903†	211754.0	8.684	mg/L	0.0370	17.37	mg/L	0.074	0.43%
Tl 190.801†	-21.8	-0.02987	mg/L	0.005806	-0.05974	mg/L	0.011612	19.44%
V 292.402†	135223.5	0.5166	mg/L	0.00279	1.033	mg/L	0.0056	0.54%
Zn 206.200†	2512.0	2.702	mg/L	0.0285	5.403	mg/L	0.0570	1.06%

Sequence No.: 6
Sample ID: JQ36 F SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 26
Date Collected: 8/2/2006 2:05:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 F SWC

Analyte	Back Pressure	Flow
All	199.0 kPa	0.50 L/min

Mean Data: JQ36 F SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1728521.9	102.2	%	0.51				0.50%
ScR 361.383	206894.4	106.9	%	0.67				0.62%
Ag 328.068†	-1854.0	0.00176	mg/L	0.000184	0.00351	mg/L	0.000368	10.47%
Al 308.215†	148545.3	108.7	mg/L	0.38	217.3	mg/L	0.75	0.35%
As 188.979†	107.7	0.08372	mg/L	0.002682	0.1674	mg/L	0.00536	3.20%
B 249.677†	23.8	0.00371	mg/L	0.001099	0.00742	mg/L	0.002198	29.62%
Ba 233.527†	1593.0	0.5237	mg/L	0.00445	1.047	mg/L	0.0089	0.85%
Be 313.042†	1649.1	0.00182	mg/L	0.000005	0.00365	mg/L	0.000009	0.26%
Ca 317.933†	647544.3	35.44	mg/L	0.052	70.88	mg/L	0.104	0.15%
Cd 228.802†	360.8	0.00983	mg/L	0.000126	0.01966	mg/L	0.000252	1.28%
Co 228.616†	3550.1	0.08312	mg/L	0.000617	0.1662	mg/L	0.00123	0.74%
Cr 267.716†	810.5	0.1177	mg/L	0.00099	0.2354	mg/L	0.00198	0.84%
Cu 324.752†	79723.0	0.3210	mg/L	0.00199	0.6421	mg/L	0.00398	0.62%
Fe 273.955†	189213.9	201.3	mg/L	0.36	402.5	mg/L	0.72	0.18%
K 766.490†	5922.5	4.902	mg/L	0.0374	9.804	mg/L	0.0748	0.76%
Mg 279.077†	38358.6	27.78	mg/L	0.090	55.55	mg/L	0.180	0.32%
Mn 257.610†	74160.3	2.700	mg/L	0.0068	5.401	mg/L	0.0136	0.25%
Mo 202.031†	32.2	0.00504	mg/L	0.000200	0.01007	mg/L	0.000401	3.98%
Na 589.592†	42709.0	6.880	mg/L	0.0331	13.76	mg/L	0.066	0.48%
Na 330.237†	144.9	6.662	mg/L	0.2715	13.32	mg/L	0.543	4.08%
Ni 231.604†	234.6	0.1260	mg/L	0.00073	0.2520	mg/L	0.00146	0.58%
Pb 220.353†	13000.6	1.607	mg/L	0.0137	3.213	mg/L	0.0274	0.85%
Sb 206.836†	10.7	0.01962	mg/L	0.003728	0.03923	mg/L	0.007455	19.00%
Se 196.026†	-63.6	-0.05566	mg/L	0.004974	-0.1113	mg/L	0.00995	8.93%
Si 288.158†	1813.6	1.268	mg/L	0.0079	2.536	mg/L	0.0159	0.63%
Sn 189.927†	-23.9	-0.00236	mg/L	0.001077	-0.00472	mg/L	0.002155	45.70%
Sr 421.552†	277699.5	0.4195	mg/L	0.00115	0.8390	mg/L	0.00231	0.28%
Ti 334.903†	260071.5	10.67	mg/L	0.033	21.33	mg/L	0.065	0.31%
Tl 190.801†	-9.9	-0.02032	mg/L	0.003076	-0.04063	mg/L	0.006152	15.14%
V 292.402†	140434.3	0.5350	mg/L	0.00402	1.070	mg/L	0.0080	0.75%
Zn 206.200†	1825.6	1.962	mg/L	0.0098	3.925	mg/L	0.0196	0.50%

Sequence No.: 7
Sample ID: JQ36 ADUP SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 27
Date Collected: 8/2/2006 2:11:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 ADUP SWC

Analyte	Back Pressure	Flow
All	200.0 kPa	0.50 L/min

Mean Data: JQ36 ADUP SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1792313.7	106.0	%	0.25				0.24%
ScR 361.383	208766.1	107.8	%	0.49				0.45%
Ag 328.068†	-2352.3	0.00082	mg/L	0.000384	0.00165	mg/L	0.000768	46.58%
Al 308.215†	256501.0	187.7	mg/L	1.00	375.3	mg/L	2.01	0.53%
As 188.979†	73.4	0.04144	mg/L	0.004474	0.08288	mg/L	0.008949	10.80%
B 249.677†	43.4	0.01054	mg/L	0.001843	0.02108	mg/L	0.003687	17.49%
Ba 233.527†	2471.0	0.8189	mg/L	0.00615	1.638	mg/L	0.0123	0.75%
Be 313.042†	2470.8	0.00314	mg/L	0.000048	0.00627	mg/L	0.000097	1.54%
Ca 317.933†	676626.9	37.03	mg/L	0.161	74.06	mg/L	0.321	0.43%
Cd 228.802†	170.5	0.00332	mg/L	0.000243	0.00664	mg/L	0.000485	7.31%
Co 228.616†	3489.0	0.08486	mg/L	0.000958	0.1697	mg/L	0.00192	1.13%
Cr 267.716†	1386.8	0.1943	mg/L	0.00057	0.3887	mg/L	0.00113	0.29%
Cu 324.752†	67964.0	0.2783	mg/L	0.00037	0.5566	mg/L	0.00074	0.13%
Fe 273.955†	208187.2	221.4	mg/L	1.65	442.9	mg/L	3.30	0.74%
K 766.490†	7702.1	6.375	mg/L	0.0378	12.75	mg/L	0.076	0.59%
Mg 279.077†	51379.7	37.24	mg/L	0.150	74.48	mg/L	0.299	0.40%
Mn 257.610†	86153.4	3.136	mg/L	0.0207	6.272	mg/L	0.0413	0.66%
Mo 202.031†	19.6	0.00528	mg/L	0.000340	0.01055	mg/L	0.000681	6.45%
Na 589.592†	34255.9	5.518	mg/L	0.0392	11.04	mg/L	0.078	0.71%
Na 330.237†	110.8	5.341	mg/L	0.0931	10.68	mg/L	0.186	1.74%
Ni 231.604†	298.0	0.1600	mg/L	0.00206	0.3201	mg/L	0.00411	1.29%
Pb 220.353†	2593.6	0.3527	mg/L	0.00380	0.7054	mg/L	0.00760	1.08%
Sb 206.836†	12.6	0.01889	mg/L	0.004199	0.03779	mg/L	0.008399	22.23%
Se 196.026†	-79.4	-0.06922	mg/L	0.009614	-0.1384	mg/L	0.01923	13.89%
Si 288.158†	3570.6	2.497	mg/L	0.0198	4.994	mg/L	0.0397	0.79%
Sn 189.927†	-15.5	0.00000	mg/L	0.000870	0.00001	mg/L	0.001740	>999.9%
Sr 421.552†	312086.3	0.4714	mg/L	0.00262	0.9428	mg/L	0.00525	0.56%
Ti 334.903†	221388.8	9.079	mg/L	0.0462	18.16	mg/L	0.092	0.51%
Tl 190.801†	-14.5	-0.02334	mg/L	0.006172	-0.04668	mg/L	0.012343	26.44%
V 292.402†	143520.2	0.5482	mg/L	0.00104	1.096	mg/L	0.0021	0.19%
Zn 206.200†	1020.0	1.094	mg/L	0.0080	2.187	mg/L	0.0160	0.73%

Sequence No.: 8
Sample ID: JQ36 A SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 28
Date Collected: 8/2/2006 2:18:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 A SWC

Analyte	Back Pressure	Flow
All	201.0 kPa	0.50 L/min

Mean Data: JQ36 A SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1770574.1	104.7	%	0.16				0.15%
ScR 361.383	207135.6	107.0	%	0.54				0.51%
Ag 328.068†	-2333.8	0.00085	mg/L	0.000022	0.00170	mg/L	0.000045	2.64%
Al 308.215†	252032.4	184.4	mg/L	0.33	368.8	mg/L	0.67	0.18%
As 188.979†	78.1	0.04744	mg/L	0.002993	0.09489	mg/L	0.005987	6.31%
B 249.677†	41.5	0.00997	mg/L	0.001940	0.01994	mg/L	0.003880	19.46%
Ba 233.527†	2549.0	0.8454	mg/L	0.00363	1.691	mg/L	0.0073	0.43%
Be 313.042†	2420.7	0.00306	mg/L	0.000034	0.00612	mg/L	0.000067	1.10%
Ca 317.933†	662686.3	36.27	mg/L	0.044	72.54	mg/L	0.088	0.12%
Cd 228.802†	181.6	0.00369	mg/L	0.000033	0.00738	mg/L	0.000066	0.89%
Co 228.616†	3592.8	0.08806	mg/L	0.000735	0.1761	mg/L	0.00147	0.83%
Cr 267.716†	1387.5	0.1944	mg/L	0.00083	0.3889	mg/L	0.00166	0.43%
Cu 324.752†	68309.0	0.2796	mg/L	0.00022	0.5591	mg/L	0.00044	0.08%
Fe 273.955†	207374.0	220.6	mg/L	0.74	441.1	mg/L	1.47	0.33%
K 766.490†	7659.7	6.340	mg/L	0.0137	12.68	mg/L	0.027	0.22%
Mg 279.077†	50853.1	36.86	mg/L	0.058	73.71	mg/L	0.115	0.16%
Mn 257.610†	85978.1	3.130	mg/L	0.0048	6.260	mg/L	0.0096	0.15%
Mo 202.031†	21.7	0.00542	mg/L	0.000257	0.01085	mg/L	0.000513	4.73%
Na 589.592†	33358.1	5.374	mg/L	0.0161	10.75	mg/L	0.032	0.30%
Na 330.237†	98.6	4.906	mg/L	0.0504	9.811	mg/L	0.1008	1.03%
Ni 231.604†	309.7	0.1663	mg/L	0.00199	0.3326	mg/L	0.00398	1.20%
Pb 220.353†	2216.5	0.3061	mg/L	0.00112	0.6121	mg/L	0.00224	0.37%
Sb 206.836†	15.0	0.02109	mg/L	0.003299	0.04218	mg/L	0.006599	15.64%
Se 196.026†	-80.8	-0.07037	mg/L	0.006811	-0.1407	mg/L	0.01362	9.68%
Si 288.158†	3679.9	2.573	mg/L	0.0169	5.147	mg/L	0.0337	0.66%
Sn 189.927†	-19.5	-0.00110	mg/L	0.001749	-0.00219	mg/L	0.003498	159.64%
Sr 421.552†	315365.7	0.4764	mg/L	0.00078	0.9528	mg/L	0.00155	0.16%
Ti 334.903†	218845.3	8.975	mg/L	0.0119	17.95	mg/L	0.024	0.13%
Tl 190.801†	-18.4	-0.02698	mg/L	0.002874	-0.05395	mg/L	0.005748	10.65%
V 292.402†	142465.8	0.5442	mg/L	0.00042	1.088	mg/L	0.0008	0.08%
Zn 206.200†	1055.0	1.131	mg/L	0.0038	2.263	mg/L	0.0076	0.34%

Sequence No.: 9
Sample ID: JQ36 ASPK SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 29
Date Collected: 8/2/2006 2:25:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 ASPK SWC

Analyte	Back Pressure	Flow
All	200.0 kPa	0.50 L/min

Mean Data: JQ36 ASPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1771986.4	104.8	%	0.78				0.74%
ScR 361.383	211495.2	109.3	%	0.38				0.35%
Ag 328.068†	133724.0	0.4659	mg/L	0.00174	0.9318	mg/L	0.00348	0.37%
Al 308.215†	252333.1	184.6	mg/L	0.33	369.2	mg/L	0.65	0.18%
As 188.979†	1657.5	1.854	mg/L	0.0188	3.709	mg/L	0.0376	1.02%
B 249.677†	42.2	0.01113	mg/L	0.000825	0.02227	mg/L	0.001651	7.41%
Ba 233.527†	7798.1	2.619	mg/L	0.0054	5.239	mg/L	0.0109	0.21%
Be 313.042†	295076.7	0.4760	mg/L	0.00063	0.9520	mg/L	0.00126	0.13%
Ca 317.933†	822287.5	45.00	mg/L	0.062	90.01	mg/L	0.123	0.14%
Cd 228.802†	14208.4	0.4696	mg/L	0.00517	0.9393	mg/L	0.01034	1.10%
Co 228.616†	18218.6	0.5189	mg/L	0.00675	1.038	mg/L	0.0135	1.30%
Cr 267.716†	4777.5	0.6425	mg/L	0.00165	1.285	mg/L	0.0033	0.26%
Cu 324.752†	193079.1	0.7559	mg/L	0.00231	1.512	mg/L	0.0046	0.31%
Fe 273.955†	204145.2	217.1	mg/L	0.38	434.3	mg/L	0.77	0.18%
K 766.490†	18622.9	15.41	mg/L	0.056	30.83	mg/L	0.113	0.37%
Mg 279.077†	63197.7	45.85	mg/L	0.140	91.69	mg/L	0.280	0.30%
Mn 257.610†	96088.1	3.498	mg/L	0.0054	6.997	mg/L	0.0108	0.15%
Mo 202.031†	22.1	0.00526	mg/L	0.000509	0.01051	mg/L	0.001018	9.68%
Na 589.592†	91967.7	14.81	mg/L	0.042	29.63	mg/L	0.084	0.28%
Na 330.237†	396.8	14.54	mg/L	0.353	29.08	mg/L	0.705	2.43%
Ni 231.604†	1134.0	0.6090	mg/L	0.00126	1.218	mg/L	0.0025	0.21%
Pb 220.353†	16896.9	2.097	mg/L	0.0215	4.195	mg/L	0.0429	1.02%
Sb 206.836†	20.1	0.02009	mg/L	0.000406	0.04019	mg/L	0.000812	2.02%
Se 196.026†	2153.9	1.777	mg/L	0.0265	3.554	mg/L	0.0531	1.49%
Si 288.158†	3891.9	2.722	mg/L	0.0263	5.445	mg/L	0.0525	0.96%
Sn 189.927†	-25.1	-0.00100	mg/L	0.001490	-0.00199	mg/L	0.002980	149.37%
Sr 421.552†	615065.9	0.9291	mg/L	0.00156	1.858	mg/L	0.0031	0.17%
Ti 334.903†	212187.5	8.702	mg/L	0.0142	17.40	mg/L	0.028	0.16%
Tl 190.801†	1854.2	1.745	mg/L	0.0173	3.489	mg/L	0.0345	0.99%
V 292.402†	258169.0	0.9916	mg/L	0.00413	1.983	mg/L	0.0083	0.42%
Zn 206.200†	1425.5	1.531	mg/L	0.0071	3.061	mg/L	0.0142	0.46%

Sequence No.: 10
Sample ID: JQ36 MB1SPK SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2x

Autosampler Location: 30
Date Collected: 8/2/2006 2:31:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 MB1SPK SWC

Analyte	Back Pressure	Flow
All	201.0 kPa	0.50 L/min

Mean Data: JQ36 MB1SPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1719111.9	101.7	%	0.20				0.20%
ScR 361.383	203378.3	105.1	%	0.97				0.92%
Ag 328.068†	142291.1	0.4866	mg/L	0.00445	0.9731	mg/L	0.00891	0.92%
Al 308.215†	2749.5	2.003	mg/L	0.0275	4.007	mg/L	0.0551	1.37%
As 188.979†	1765.8	2.019	mg/L	0.0174	4.039	mg/L	0.0347	0.86%
B 249.677†	-2.4	0.00018	mg/L	0.001647	0.00036	mg/L	0.003294	908.71%
Ba 233.527†	5806.0	1.962	mg/L	0.0164	3.924	mg/L	0.0328	0.84%
Be 313.042†	315641.3	0.5101	mg/L	0.00178	1.020	mg/L	0.0036	0.35%
Ca 317.933†	188025.0	10.29	mg/L	0.031	20.58	mg/L	0.062	0.30%
Cd 228.802†	15241.4	0.5062	mg/L	0.00561	1.012	mg/L	0.0112	1.11%
Co 228.616†	16514.9	0.4859	mg/L	0.00429	0.9718	mg/L	0.00857	0.88%
Cr 267.716†	3751.3	0.4961	mg/L	0.00516	0.9923	mg/L	0.01031	1.04%
Cu 324.752†	129855.0	0.4963	mg/L	0.00472	0.9925	mg/L	0.00943	0.95%
Fe 273.955†	1975.6	2.100	mg/L	0.0237	4.200	mg/L	0.0474	1.13%
K 766.490†	11976.4	9.913	mg/L	0.0780	19.83	mg/L	0.156	0.79%
Mg 279.077†	14299.9	10.41	mg/L	0.055	20.82	mg/L	0.110	0.53%
Mn 257.610†	13697.7	0.4992	mg/L	0.00153	0.9984	mg/L	0.00305	0.31%
Mo 202.031†	18.2	0.00166	mg/L	0.000104	0.00333	mg/L	0.000208	6.24%
Na 589.592†	63353.2	10.21	mg/L	0.053	20.41	mg/L	0.105	0.51%
Na 330.237†	313.6	10.17	mg/L	0.132	20.34	mg/L	0.264	1.30%
Ni 231.604†	930.1	0.4995	mg/L	0.00332	0.9990	mg/L	0.00665	0.67%
Pb 220.353†	16629.6	2.029	mg/L	0.0255	4.059	mg/L	0.0511	1.26%
Sb 206.836†	6.6	0.00011	mg/L	0.002581	0.00023	mg/L	0.005163	>999.9%
Se 196.026†	2472.2	2.043	mg/L	0.0169	4.087	mg/L	0.0338	0.83%
Si 288.158†	8.5	0.00696	mg/L	0.001669	0.01393	mg/L	0.003338	23.97%
Sn 189.927†	-16.3	-0.00235	mg/L	0.000162	-0.00469	mg/L	0.000324	6.90%
Sr 421.552†	328915.4	0.4968	mg/L	0.00186	0.9937	mg/L	0.00372	0.37%
Ti 334.903†	99.4	0.00397	mg/L	0.000198	0.00794	mg/L	0.000396	4.99%
Tl 190.801†	2119.2	2.005	mg/L	0.0158	4.009	mg/L	0.0316	0.79%
V 292.402†	128838.0	0.4980	mg/L	0.00508	0.9959	mg/L	0.01016	1.02%
Zn 206.200†	482.2	0.5195	mg/L	0.00397	1.039	mg/L	0.0079	0.76%

Sequence No.: 11
Sample ID: CV 5
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/2/2006 2:38:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	200.0 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	1706630.7	100.9	%	0.49				0.49%
ScR 361.383	200061.4	103.3	%	0.88				0.85%
Ag 328.068†	281455.7	0.9622	mg/L	0.00581	0.9622	mg/L	0.00581	0.60%
Al 308.215†	2698.4	1.937	mg/L	0.0112	1.937	mg/L	0.0112	0.58%
As 188.979†	1730.1	1.975	mg/L	0.0219	1.975	mg/L	0.0219	1.11%
B 249.677†	3103.5	0.9511	mg/L	0.00854	0.9511	mg/L	0.00854	0.90%
Ba 233.527†	2859.3	0.9659	mg/L	0.00736	0.9659	mg/L	0.00736	0.76%
Be 313.042†	608363.8	0.9831	mg/L	0.00312	0.9831	mg/L	0.00312	0.32%
Ca 317.933†	37618.4	2.059	mg/L	0.0077	2.059	mg/L	0.0077	0.37%
Cd 228.802†	30326.3	1.010	mg/L	0.0055	1.010	mg/L	0.0055	0.55%
Co 228.616†	32820.2	0.9650	mg/L	0.00587	0.9650	mg/L	0.00587	0.61%
Cr 267.716†	7184.6	0.9525	mg/L	0.00735	0.9525	mg/L	0.00735	0.77%
Cu 324.752†	264639.6	1.010	mg/L	0.0057	1.010	mg/L	0.0057	0.57%
Fe 273.955†	1922.6	2.043	mg/L	0.0104	2.043	mg/L	0.0104	0.51%
K 766.490†	23923.2	19.80	mg/L	0.122	19.80	mg/L	0.122	0.62%
Mg 279.077†	2752.9	2.008	mg/L	0.0187	2.008	mg/L	0.0187	0.93%
Mn 257.610†	26462.9	0.9644	mg/L	0.00496	0.9644	mg/L	0.00496	0.51%
Mo 202.031†	9800.3	1.003	mg/L	0.0060	1.003	mg/L	0.0060	0.60%
Na 589.592†	310780.7	50.06	mg/L	0.241	50.06	mg/L	0.241	0.48%
Na 330.237†	1529.8	50.67	mg/L	0.303	50.67	mg/L	0.303	0.60%
Ni 231.604†	1824.4	0.9808	mg/L	0.00974	0.9808	mg/L	0.00974	0.99%
Pb 220.353†	16466.4	2.010	mg/L	0.0081	2.010	mg/L	0.0081	0.40%
Sb 206.836†	2041.8	1.960	mg/L	0.0131	1.960	mg/L	0.0131	0.67%
Se 196.026†	2399.1	1.982	mg/L	0.0131	1.982	mg/L	0.0131	0.66%
Si 288.158†	2858.6	2.001	mg/L	0.0155	2.001	mg/L	0.0155	0.78%
Sn 189.927†	3827.8	0.9451	mg/L	0.00724	0.9451	mg/L	0.00724	0.77%
Sr 421.552†	652113.5	0.9851	mg/L	0.00463	0.9851	mg/L	0.00463	0.47%
Ti 334.903†	24581.8	1.007	mg/L	0.0061	1.007	mg/L	0.0061	0.61%
Tl 190.801†	2063.5	1.952	mg/L	0.0122	1.952	mg/L	0.0122	0.62%
V 292.402†	254785.7	0.9848	mg/L	0.00596	0.9848	mg/L	0.00596	0.60%
Zn 206.200†	929.6	1.001	mg/L	0.0082	1.001	mg/L	0.0082	0.82%

Sequence No.: 12
Sample ID: CB 5
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/2/2006 2:44:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	199.0 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	1710288.9	101.1	%	0.56				0.56%
ScR 361.383	199064.3	102.8	%	0.80				0.78%
Ag 328.068†	33.3	0.00011	mg/L	0.000098	0.00011	mg/L	0.000098	86.10%
Al 308.215†	-28.2	-0.02063	mg/L	0.005138	-0.02063	mg/L	0.005138	24.90%
As 188.979†	0.5	0.00058	mg/L	0.004667	0.00058	mg/L	0.004667	809.13%
B 249.677†	6.9	0.00211	mg/L	0.000458	0.00211	mg/L	0.000458	21.67%
Ba 233.527†	-1.3	-0.00045	mg/L	0.000658	-0.00045	mg/L	0.000658	144.85%
Be 313.042†	15.9	0.00003	mg/L	0.000033	0.00003	mg/L	0.000033	128.38%
Ca 317.933†	12.1	0.00066	mg/L	0.000454	0.00066	mg/L	0.000454	68.33%
Cd 228.802†	1.2	0.00004	mg/L	0.000065	0.00004	mg/L	0.000065	163.31%
Co 228.616†	9.9	0.00029	mg/L	0.000154	0.00029	mg/L	0.000154	53.15%
Cr 267.716†	-7.0	-0.00093	mg/L	0.001209	-0.00093	mg/L	0.001209	129.30%
Cu 324.752†	58.0	0.00022	mg/L	0.000181	0.00022	mg/L	0.000181	81.83%
Fe 273.955†	1.6	0.00172	mg/L	0.003285	0.00172	mg/L	0.003285	190.53%
K 766.490†	16.6	0.01375	mg/L	0.004700	0.01375	mg/L	0.004700	34.18%
Mg 279.077†	-2.6	-0.00187	mg/L	0.007559	-0.00187	mg/L	0.007559	403.66%
Mn 257.610†	-5.6	-0.00020	mg/L	0.000097	-0.00020	mg/L	0.000097	47.52%
Mo 202.031†	1.6	0.00017	mg/L	0.000341	0.00017	mg/L	0.000341	204.75%
Na 589.592†	64.6	0.01041	mg/L	0.003222	0.01041	mg/L	0.003222	30.94%
Na 330.237†	0.1	0.00255	mg/L	0.315684	0.00255	mg/L	0.315684	>999.9%
Ni 231.604†	2.9	0.00154	mg/L	0.001659	0.00154	mg/L	0.001659	108.04%
Pb 220.353†	19.0	0.00231	mg/L	0.001013	0.00231	mg/L	0.001013	43.90%
Sb 206.836†	2.0	0.00197	mg/L	0.001707	0.00197	mg/L	0.001707	86.74%
Se 196.026†	4.9	0.00407	mg/L	0.000703	0.00407	mg/L	0.000703	17.27%
Si 288.158†	8.6	0.00599	mg/L	0.002134	0.00599	mg/L	0.002134	35.62%
Sn 189.927†	9.0	0.00222	mg/L	0.000590	0.00222	mg/L	0.000590	26.61%
Sr 421.552†	60.8	0.00009	mg/L	0.000023	0.00009	mg/L	0.000023	25.11%
Ti 334.903†	33.1	0.00136	mg/L	0.001089	0.00136	mg/L	0.001089	80.15%
Tl 190.801†	0.4	0.00036	mg/L	0.000868	0.00036	mg/L	0.000868	238.32%
V 292.402†	-23.3	-0.00010	mg/L	0.000059	-0.00010	mg/L	0.000059	60.70%
Zn 206.200†	0.7	0.00071	mg/L	0.001808	0.00071	mg/L	0.001808	254.13%

Sequence No.: 13
Sample ID: JQ52 MB1 SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 31
Date Collected: 8/2/2006 2:51:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52 MB1 SWC

Analyte	Back Pressure	Flow
All	199.0 kPa	0.50 L/min

Mean Data: JQ52 MB1 SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1722875.4	101.9	%	0.37				0.37%
ScR 361.383	202126.9	104.4	%	0.52				0.50%
Ag 328.068†	42.9	0.00015	mg/L	0.000120	0.00029	mg/L	0.000241	81.97%
Al 308.215†	15.7	0.01147	mg/L	0.002515	0.02294	mg/L	0.005029	21.92%
As 188.979†	1.9	0.00217	mg/L	0.000987	0.00435	mg/L	0.001974	45.39%
B 249.677†	11.1	0.00337	mg/L	0.001165	0.00675	mg/L	0.002330	34.53%
Ba 233.527†	-1.2	-0.00041	mg/L	0.000900	-0.00082	mg/L	0.001800	219.85%
Be 313.042†	-35.3	-0.00006	mg/L	0.000019	-0.00011	mg/L	0.000037	32.56%
Ca 317.933†	772.9	0.04230	mg/L	0.002375	0.08460	mg/L	0.004749	5.61%
Cd 228.802†	-0.2	-0.00001	mg/L	0.000107	-0.00002	mg/L	0.000213	968.41%
Co 228.616†	6.4	0.00019	mg/L	0.000012	0.00037	mg/L	0.000024	6.60%
Cr 267.716†	-0.8	-0.00010	mg/L	0.000284	-0.00021	mg/L	0.000568	270.48%
Cu 324.752†	63.3	0.00024	mg/L	0.000014	0.00048	mg/L	0.000027	5.58%
Fe 273.955†	9.0	0.00958	mg/L	0.001666	0.01915	mg/L	0.003332	17.39%
K 766.490†	-19.6	-0.01622	mg/L	0.073282	-0.03244	mg/L	0.146565	451.87%
Mg 279.077†	6.8	0.00493	mg/L	0.000529	0.00985	mg/L	0.001057	10.73%
Mn 257.610†	-6.9	-0.00025	mg/L	0.000022	-0.00050	mg/L	0.000044	8.72%
Mo 202.031†	1.1	0.00011	mg/L	0.000417	0.00023	mg/L	0.000835	363.04%
Na 589.592†	104.3	0.01681	mg/L	0.003393	0.03361	mg/L	0.006787	20.19%
Na 330.237†	0.5	-0.03506	mg/L	0.106358	-0.07011	mg/L	0.212715	303.40%
Ni 231.604†	-1.5	-0.00081	mg/L	0.001005	-0.00163	mg/L	0.002010	123.35%
Pb 220.353†	16.4	0.00201	mg/L	0.000614	0.00401	mg/L	0.001227	30.60%
Sb 206.836†	-0.5	-0.00047	mg/L	0.001550	-0.00094	mg/L	0.003099	328.45%
Se 196.026†	1.2	0.00100	mg/L	0.000726	0.00200	mg/L	0.001452	72.75%
Si 288.158†	21.7	0.01515	mg/L	0.002331	0.03030	mg/L	0.004662	15.38%
Sn 189.927†	8.7	0.00215	mg/L	0.000624	0.00430	mg/L	0.001248	29.02%
Sr 421.552†	221.7	0.00033	mg/L	0.000016	0.00067	mg/L	0.000033	4.89%
Ti 334.903†	43.0	0.00176	mg/L	0.000321	0.00352	mg/L	0.000643	18.24%
Tl 190.801†	2.3	0.00219	mg/L	0.003081	0.00439	mg/L	0.006163	140.46%
V 292.402†	8.2	0.00003	mg/L	0.000074	0.00006	mg/L	0.000148	248.41%
Zn 206.200†	184.8	0.1991	mg/L	0.00068	0.3981	mg/L	0.00137	0.34%

Sequence No.: 14
Sample ID: JQ36 G SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 32
Date Collected: 8/2/2006 2:57:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 G SWC

Analyte	Back Pressure	Flow
All	199.0 kPa	0.50 L/min

Mean Data: JQ36 G SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1738585.8	102.8	%	0.46				0.45%
ScR 361.383	206012.6	106.4	%	0.37				0.35%
Ag 328.068†	-1540.3	0.00418	mg/L	0.000212	0.00837	mg/L	0.000424	5.07%
Al 308.215†	201254.0	147.2	mg/L	0.14	294.5	mg/L	0.29	0.10%
As 188.979†	117.6	0.09079	mg/L	0.003065	0.1816	mg/L	0.00613	3.38%
B 249.677†	28.6	0.00539	mg/L	0.003918	0.01078	mg/L	0.007836	72.69%
Ba 233.527†	2399.1	0.7935	mg/L	0.00377	1.587	mg/L	0.0075	0.48%
Be 313.042†	2109.3	0.00247	mg/L	0.000023	0.00495	mg/L	0.000045	0.91%
Ca 317.933†	865832.3	47.39	mg/L	0.050	94.77	mg/L	0.100	0.11%
Cd 228.802†	488.1	0.01370	mg/L	0.000317	0.02741	mg/L	0.000635	2.32%
Co 228.616†	4136.2	0.1001	mg/L	0.00119	0.2003	mg/L	0.00238	1.19%
Cr 267.716†	1302.6	0.1838	mg/L	0.00042	0.3677	mg/L	0.00083	0.23%
Cu 324.752†	108672.1	0.4349	mg/L	0.00063	0.8698	mg/L	0.00125	0.14%
Fe 273.955†	222864.3	237.1	mg/L	0.94	474.1	mg/L	1.89	0.40%
K 766.490†	6536.6	5.411	mg/L	0.0049	10.82	mg/L	0.010	0.09%
Mg 279.077†	53298.6	38.63	mg/L	0.045	77.25	mg/L	0.091	0.12%
Mn 257.610†	99753.5	3.632	mg/L	0.0071	7.264	mg/L	0.0141	0.19%
Mo 202.031†	43.4	0.00679	mg/L	0.000832	0.01357	mg/L	0.001664	12.26%
Na 589.592†	50504.7	8.136	mg/L	0.0192	16.27	mg/L	0.038	0.24%
Na 330.237†	196.7	8.078	mg/L	0.0951	16.16	mg/L	0.190	1.18%
Ni 231.604†	369.2	0.1983	mg/L	0.00166	0.3965	mg/L	0.00332	0.84%
Pb 220.353†	17859.0	2.207	mg/L	0.0265	4.414	mg/L	0.0531	1.20%
Sb 206.836†	17.9	0.02567	mg/L	0.000982	0.05134	mg/L	0.001964	3.83%
Se 196.026†	-85.6	-0.07489	mg/L	0.001843	-0.1498	mg/L	0.00369	2.46%
Si 288.158†	2316.8	1.620	mg/L	0.0052	3.240	mg/L	0.0104	0.32%
Sn 189.927†	-31.7	-0.00239	mg/L	0.001991	-0.00479	mg/L	0.003983	83.21%
Sr 421.552†	392254.8	0.5925	mg/L	0.00075	1.185	mg/L	0.0015	0.13%
Ti 334.903†	260048.4	10.66	mg/L	0.020	21.33	mg/L	0.040	0.19%
Tl 190.801†	-18.1	-0.02827	mg/L	0.001291	-0.05654	mg/L	0.002583	4.57%
V 292.402†	156186.9	0.5961	mg/L	0.00186	1.192	mg/L	0.0037	0.31%
Zn 206.200†	2546.1	2.738	mg/L	0.0042	5.476	mg/L	0.0085	0.15%

Sequence No.: 15
Sample ID: JQ36 H SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 33
Date Collected: 8/2/2006 3:04:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 H SWC

Analyte	Back Pressure	Flow
All	200.0 kPa	0.50 L/min

Mean Data: JQ36 H SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1712351.7	101.3	%	0.55				0.54%
ScR 361.383	204453.5	105.6	%	0.90				0.85%
Ag 328.068†	-2169.1	0.00192	mg/L	0.000087	0.00385	mg/L	0.000173	4.50%
Al 308.215†	156035.9	114.1	mg/L	0.28	228.3	mg/L	0.56	0.25%
As 188.979†	81.4	0.04931	mg/L	0.002483	0.09862	mg/L	0.004967	5.04%
B 249.677†	21.1	0.00246	mg/L	0.001402	0.00491	mg/L	0.002804	57.10%
Ba 233.527†	1846.9	0.6068	mg/L	0.00433	1.214	mg/L	0.0087	0.71%
Be 313.042†	1882.5	0.00207	mg/L	0.000054	0.00414	mg/L	0.000108	2.59%
Ca 317.933†	853282.3	46.70	mg/L	0.173	93.40	mg/L	0.346	0.37%
Cd 228.802†	185.0	0.00363	mg/L	0.000117	0.00727	mg/L	0.000233	3.21%
Co 228.616†	4122.9	0.09693	mg/L	0.000877	0.1939	mg/L	0.00175	0.91%
Cr 267.716†	935.6	0.1355	mg/L	0.00105	0.2711	mg/L	0.00210	0.77%
Cu 324.752†	51266.7	0.2154	mg/L	0.00009	0.4309	mg/L	0.00019	0.04%
Fe 273.955†	223213.8	237.4	mg/L	0.13	474.8	mg/L	0.26	0.05%
K 766.490†	5903.9	4.887	mg/L	0.0393	9.774	mg/L	0.0786	0.80%
Mg 279.077†	45024.6	32.60	mg/L	0.105	65.20	mg/L	0.211	0.32%
Mn 257.610†	121956.3	4.441	mg/L	0.0102	8.882	mg/L	0.0205	0.23%
Mo 202.031†	26.2	0.00443	mg/L	0.000684	0.00886	mg/L	0.001368	15.44%
Na 589.592†	46540.4	7.497	mg/L	0.0314	14.99	mg/L	0.063	0.42%
Na 330.237†	139.7	6.913	mg/L	0.0896	13.83	mg/L	0.179	1.30%
Ni 231.604†	296.7	0.1593	mg/L	0.00375	0.3187	mg/L	0.00750	2.35%
Pb 220.353†	7575.6	0.9461	mg/L	0.00605	1.892	mg/L	0.0121	0.64%
Sb 206.836†	12.2	0.02218	mg/L	0.001241	0.04436	mg/L	0.002481	5.59%
Se 196.026†	-72.9	-0.06530	mg/L	0.003519	-0.1306	mg/L	0.00704	5.39%
Si 288.158†	1668.2	1.167	mg/L	0.0088	2.333	mg/L	0.0175	0.75%
Sn 189.927†	-33.6	-0.00317	mg/L	0.000773	-0.00633	mg/L	0.001545	24.40%
Sr 421.552†	344718.3	0.5207	mg/L	0.00135	1.041	mg/L	0.0027	0.26%
Ti 334.903†	292289.8	11.99	mg/L	0.035	23.97	mg/L	0.070	0.29%
Tl 190.801†	-18.8	-0.03020	mg/L	0.001665	-0.06041	mg/L	0.003329	5.51%
V 292.402†	162002.5	0.6176	mg/L	0.00045	1.235	mg/L	0.0009	0.07%
Zn 206.200†	1120.4	1.202	mg/L	0.0079	2.403	mg/L	*0.0157	0.65%

Sequence No.: 16
Sample ID: JQ36 I SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 34
Date Collected: 8/2/2006 3:10:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 I SWC

Analyte	Back Pressure	Flow
All	202.0 kPa	0.50 L/min

Mean Data: JQ36 I SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1758253.0	104.0	%	0.53				0.51%
ScR 361.383	210738.9	108.9	%	2.45				2.25%
Ag 328.068†	-1812.7	0.00030	mg/L	0.000263	0.00060	mg/L	0.000527	87.24%
Al 308.215†	187096.6	136.9	mg/L	3.48	273.8	mg/L	6.97	2.54%
As 188.979†	58.0	0.03459	mg/L	0.003495	0.06919	mg/L	0.006990	10.10%
B 249.677†	36.3	0.00901	mg/L	0.000784	0.01801	mg/L	0.001567	8.70%
Ba 233.527†	2040.8	0.6778	mg/L	0.01458	1.356	mg/L	0.0292	2.15%
Be 313.042†	1758.8	0.00222	mg/L	0.000134	0.00444	mg/L	0.000268	6.03%
Ca 317.933†	554745.9	30.36	mg/L	0.833	60.72	mg/L	1.666	2.74%
Cd 228.802†	66.4	0.00045	mg/L	0.000079	0.00089	mg/L	0.000159	17.75%
Co 228.616†	2709.2	0.06629	mg/L	0.000217	0.1326	mg/L	0.00043	0.33%
Cr 267.716†	1003.9	0.1409	mg/L	0.00391	0.2817	mg/L	0.00781	2.77%
Cu 324.752†	45961.2	0.1894	mg/L	0.00079	0.3788	mg/L	0.00159	0.42%
Fe 273.955†	154132.8	163.9	mg/L	5.00	327.9	mg/L	10.00	3.05%
K 766.490†	5232.9	4.331	mg/L	0.1416	8.663	mg/L	0.2832	3.27%
Mg 279.077†	36206.9	26.24	mg/L	0.660	52.47	mg/L	1.320	2.52%
Mn 257.610†	74248.3	2.703	mg/L	0.0760	5.406	mg/L	0.1519	2.81%
Mo 202.031†	17.3	0.00418	mg/L	0.000425	0.00835	mg/L	0.000851	10.19%
Na 589.592†	22303.4	3.593	mg/L	0.0924	7.186	mg/L	0.1848	2.57%
Na 330.237†	64.8	3.454	mg/L	0.0962	6.909	mg/L	0.1923	2.78%
Ni 231.604†	203.7	0.1094	mg/L	0.00311	0.2188	mg/L	0.00621	2.84%
Pb 220.353†	771.1	0.1206	mg/L	0.00173	0.2411	mg/L	0.00346	1.43%
Sb 206.836†	9.0	0.01376	mg/L	0.001058	0.02752	mg/L	0.002117	7.69%
Se 196.026†	-58.1	-0.05114	mg/L	0.006019	-0.1023	mg/L	0.01204	11.77%
Si 288.158†	3662.6	2.561	mg/L	0.0575	5.122	mg/L	0.1150	2.25%
Sn 189.927†	-23.7	-0.00249	mg/L	0.000407	-0.00497	mg/L	0.000814	16.37%
Sr 421.552†	247310.5	0.3736	mg/L	0.00959	0.7472	mg/L	0.01918	2.57%
Ti 334.903†	166625.9	6.833	mg/L	0.1781	13.67	mg/L	0.356	2.61%
Tl 190.801†	-14.5	-0.02094	mg/L	0.003064	-0.04188	mg/L	0.006128	14.63%
V 292.402†	103815.5	0.3965	mg/L	0.00252	0.7930	mg/L	0.00503	0.63%
Zn 206.200†	492.7	0.5269*	mg/L	0.01273	1.054	mg/L	0.0255	2.42%

Sequence No.: 17
Sample ID: JQ36 J SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 35
Date Collected: 8/2/2006 3:17:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 J SWC

Analyte	Back Pressure	Flow
All	202.0 kPa	0.50 L/min

Mean Data: JQ36 J SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1733820.8	102.5	%	1.04				1.01%
ScR 361.383	203658.7	105.2	%	0.62				0.59%
Ag 328.068†	-2281.5	0.00024	mg/L	0.000285	0.00049	mg/L	0.000570	116.34%
Al 308.215†	194129.6	142.0	mg/L	0.23	284.0	mg/L	0.47	0.17%
As 188.979†	62.4	0.03337	mg/L	0.002531	0.06674	mg/L	0.005062	7.58%
B 249.677†	38.3	0.00890	mg/L	0.000555	0.01780	mg/L	0.001110	6.24%
Ba 233.527†	2365.6	0.7847	mg/L	0.00499	1.569	mg/L	0.0100	0.64%
Be 313.042†	1987.6	0.00243	mg/L	0.000049	0.00486	mg/L	0.000097	2.00%
Ca 317.933†	667551.1	36.54	mg/L	0.053	73.07	mg/L	0.106	0.15%
Cd 228.802†	73.0	0.00028	mg/L	0.000172	0.00055	mg/L	0.000345	62.37%
Co 228.616†	3345.2	0.08051	mg/L	0.000962	0.1610	mg/L	0.00192	1.19%
Cr 267.716†	1133.8	0.1601	mg/L	0.00098	0.3203	mg/L	0.00196	0.61%
Cu 324.752†	44449.8	0.1867	mg/L	0.00235	0.3734	mg/L	0.00471	1.26%
Fe 273.955†	189586.3	201.7	mg/L	0.35	403.3	mg/L	0.71	0.17%
K 766.490†	5963.3	4.936	mg/L	0.0252	9.872	mg/L	0.0505	0.51%
Mg 279.077†	42721.2	30.95	mg/L	0.023	61.90	mg/L	0.046	0.07%
Mn 257.610†	83312.2	3.033	mg/L	0.0036	6.066	mg/L	0.0072	0.12%
Mo 202.031†	19.2	0.00438	mg/L	0.000372	0.00875	mg/L	0.000744	8.50%
Na 589.592†	28321.9	4.562	mg/L	0.0178	9.125	mg/L	0.0356	0.39%
Na 330.237†	74.5	4.200	mg/L	0.0876	8.401	mg/L	0.1752	2.09%
Ni 231.604†	268.8	0.1443	mg/L	0.00094	0.2887	mg/L	0.00189	0.65%
Pb 220.353†	1291.3	0.1850	mg/L	0.00137	0.3701	mg/L	0.00274	0.74%
Sb 206.836†	13.6	0.02007	mg/L	0.003393	0.04013	mg/L	0.006786	16.91%
Se 196.026†	-65.9	-0.05792	mg/L	0.002328	-0.1158	mg/L	0.00466	4.02%
Si 288.158†	3218.3	2.250	mg/L	0.0117	4.501	mg/L	0.0234	0.52%
Sn 189.927†	-25.7	-0.00242	mg/L	0.002054	-0.00484	mg/L	0.004109	84.90%
Sr 421.552†	306835.6	0.4635	mg/L	0.00074	0.9270	mg/L	0.00149	0.16%
Ti 334.903†	218649.4	8.967	mg/L	0.0158	17.93	mg/L	0.032	0.18%
Tl 190.801†	-12.7	-0.02138	mg/L	0.007403	-0.04276	mg/L	0.014806	34.62%
V 292.402†	130573.3	0.4984	mg/L	0.00711	0.9967	mg/L	0.01422	1.43%
Zn 206.200†	696.7	0.7458	mg/L	0.00458	1.492	mg/L	0.0092	0.61%

Sequence No.: 18
Sample ID: JQ36 K SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 36
Date Collected: 8/2/2006 3:24:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 K SWC

Analyte	Back Pressure	Flow
All	203.0 kPa	0.50 L/min

Mean Data: JQ36 K SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1782754.0	105.4	%	0.20				0.19%
ScR 361.383	209492.8	108.2	%	0.42				0.38%
Ag 328.068†	-1942.4	0.00048	mg/L	0.000131	0.00096	mg/L	0.000262	27.31%
Al 308.215†	207137.0	151.5	mg/L	0.19	303.1	mg/L	0.38	0.12%
As 188.979†	56.2	0.02906	mg/L	0.001316	0.05812	mg/L	0.002633	4.53%
B 249.677†	45.3	0.01152	mg/L	0.003656	0.02304	mg/L	0.007313	31.73%
Ba 233.527†	2256.4	0.7494	mg/L	0.00568	1.499	mg/L	0.0114	0.76%
Be 313.042†	1993.6	0.00256	mg/L	0.000021	0.00511	mg/L	0.000042	0.82%
Ca 317.933†	598248.7	32.74	mg/L	0.064	65.48	mg/L	0.128	0.20%
Cd 228.802†	69.1	0.00037	mg/L	0.000148	0.00074	mg/L	0.000296	40.05%
Co 228.616†	2925.6	0.07112	mg/L	0.000350	0.1422	mg/L	0.00070	0.49%
Cr 267.716†	1098.7	0.1541	mg/L	0.00071	0.3082	mg/L	0.00143	0.46%
Cu 324.752†	48472.3	0.2004	mg/L	0.00110	0.4007	mg/L	0.00221	0.55%
Fe 273.955†	169811.3	180.6	mg/L	0.16	361.2	mg/L	0.32	0.09%
K 766.490†	5930.0	4.908	mg/L	0.0310	9.817	mg/L	0.0619	0.63%
Mg 279.077†	39571.9	28.67	mg/L	0.070	57.35	mg/L	0.139	0.24%
Mn 257.610†	88072.1	3.206	mg/L	0.0043	6.413	mg/L	0.0086	0.13%
Mo 202.031†	12.5	0.00395	mg/L	0.000150	0.00790	mg/L	0.000300	3.79%
Na 589.592†	23288.2	3.751	mg/L	0.0068	7.503	mg/L	0.0136	0.18%
Na 330.237†	59.9	3.465	mg/L	0.1378	6.929	mg/L	0.2757	3.98%
Ni 231.604†	222.2	0.1193	mg/L	0.00136	0.2387	mg/L	0.00272	1.14%
Pb 220.353†	608.6	0.1036	mg/L	0.00050	0.2071	mg/L	0.00101	0.49%
Sb 206.836†	10.8	0.01608	mg/L	0.002460	0.03215	mg/L	0.004920	15.30%
Se 196.026†	-62.4	-0.05522	mg/L	0.007459	-0.1104	mg/L	0.01492	13.51%
Si 288.158†	3536.4	2.473	mg/L	0.0277	4.946	mg/L	0.0554	1.12%
Sn 189.927†	-25.6	-0.00275	mg/L	0.000401	-0.00551	mg/L	0.000801	14.54%
Sr 421.552†	266983.1	0.4033	mg/L	0.00063	0.8066	mg/L	0.00126	0.16%
Ti 334.903†	186266.6	7.639	mg/L	0.0110	15.28	mg/L	0.022	0.14%
Tl 190.801†	-16.4	-0.02359	mg/L	0.003357	-0.04717	mg/L	0.006715	14.23%
V 292.402†	111292.6	0.4250	mg/L	0.00326	0.8500	mg/L	0.00651	0.77%
Zn 206.200†	523.8	0.5599	mg/L	0.00770	1.120	mg/L	0.0154	1.37%

Sequence No.: 19
Sample ID: JQ36 L SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2x

Autosampler Location: 37
Date Collected: 8/2/2006 3:31:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ36 L SWC

Analyte	Back Pressure	Flow
All	204.0 kPa	0.50 L/min

Mean Data: JQ36 L SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1771672.0	104.8	%	1.10				1.05%
ScR 361.383	207659.0	107.3	%	0.33				0.31%
Ag 328.068†	-2041.8	0.00031	mg/L	0.000188	0.00062	mg/L	0.000376	60.33%
Al 308.215†	208817.2	152.8	mg/L	0.28	305.5	mg/L	0.56	0.18%
As 188.979†	60.1	0.03305	mg/L	0.002587	0.06609	mg/L	0.005174	7.83%
B 249.677†	38.1	0.00927	mg/L	0.002574	0.01855	mg/L	0.005148	27.76%
Ba 233.527†	2371.5	0.7879	mg/L	0.00348	1.576	mg/L	0.0070	0.44%
Be 313.042†	2025.0	0.00259	mg/L	0.000031	0.00518	mg/L	0.000062	1.21%
Ca 317.933†	627622.6	34.35	mg/L	0.072	68.70	mg/L	0.145	0.21%
Cd 228.802†	61.8	0.00007	mg/L	0.000201	0.00014	mg/L	0.000403	289.35%
Co 228.616†	3073.8	0.07517	mg/L	0.000754	0.1503	mg/L	0.00151	1.00%
Cr 267.716†	1114.7	0.1564	mg/L	0.00082	0.3127	mg/L	0.00164	0.53%
Cu 324.752†	49623.9	0.2052	mg/L	0.00172	0.4103	mg/L	0.00345	0.84%
Fe 273.955†	174227.2	185.3	mg/L	0.68	370.6	mg/L	1.36	0.37%
K 766.490†	6040.5	5.000	mg/L	0.0247	10.000	mg/L	0.0493	0.49%
Mg 279.077†	41025.6	29.73	mg/L	0.069	59.46	mg/L	0.138	0.23%
Mn 257.610†	92540.5	3.369	mg/L	0.0095	6.738	mg/L	0.0189	0.28%
Mo 202.031†	15.4	0.00425	mg/L	0.000376	0.00850	mg/L	0.000752	8.85%
Na 589.592†	25173.2	4.055	mg/L	0.0220	8.110	mg/L	0.0439	0.54%
Na 330.237†	76.3	4.034	mg/L	0.0212	8.068	mg/L	0.0424	0.53%
Ni 231.604†	228.8	0.1228	mg/L	0.00064	0.2457	mg/L	0.00128	0.52%
Pb 220.353†	511.7	0.09199	mg/L	0.000287	0.1840	mg/L	0.00057	0.31%
Sb 206.836†	10.2	0.01556	mg/L	0.001236	0.03113	mg/L	0.002473	7.94%
Se 196.026†	-62.2	-0.05526	mg/L	0.007737	-0.1105	mg/L	0.01547	14.00%
Si 288.158†	3202.3	2.239	mg/L	0.0124	4.478	mg/L	0.0247	0.55%
Sn 189.927†	-24.2	-0.00218	mg/L	0.000415	-0.00435	mg/L	0.000829	19.04%
Sr 421.552†	285753.1	0.4316	mg/L	0.00122	0.8633	mg/L	0.00244	0.28%
Ti 334.903†	189208.0	7.759	mg/L	0.0215	15.52	mg/L	0.043	0.28%
Tl 190.801†	-19.2	-0.02632	mg/L	0.006244	-0.05265	mg/L	0.012487	23.72%
V 292.402†	114679.1	0.4380	mg/L	0.00348	0.8759	mg/L	0.00696	0.79%
Zn 206.200†	484.0	0.5169	mg/L	0.00308	1.034	mg/L	0.0062	0.59%

Sequence No.: 20
Sample ID: JQ52 B SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 38
Date Collected: 8/2/2006 3:37:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52 B SWC

Analyte	Back Pressure	Flow
All	203.0 kPa	0.50 L/min

Mean Data: JQ52 B SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1767563.1	104.5	%	0.36				0.35%
ScR 361.383	208461.6	107.7	%	0.55				0.51%
Ag 328.068†	-1046.5	0.00669	mg/L	0.000097	0.01337	mg/L	0.000193	1.44%
Al 308.215†	283402.9	207.3	mg/L	0.58	414.7	mg/L	1.15	0.28%
As 188.979†	121.0	0.08905	mg/L	0.004823	0.1781	mg/L	0.00965	5.42%
B 249.677†	47.7	0.01151	mg/L	0.000996	0.02301	mg/L	0.001992	8.65%
Ba 233.527†	2892.8	0.9589	mg/L	0.00665	1.918	mg/L	0.0133	0.69%
Be 313.042†	2640.2	0.00323	mg/L	0.000027	0.00647	mg/L	0.000053	0.82%
Ca 317.933†	821901.4	44.98	mg/L	0.101	89.97	mg/L	0.203	0.23%
Cd 228.802†	593.6	0.01701	mg/L	0.000256	0.03402	mg/L	0.000512	1.51%
Co 228.616†	4197.7	0.1024	mg/L	0.00098	0.2047	mg/L	0.00195	0.95%
Cr 267.716†	1958.4	0.2722	mg/L	0.00065	0.5444	mg/L	0.00130	0.24%
Cu 324.752†	131139.5	0.5227	mg/L	0.00056	1.045	mg/L	0.0011	0.11%
Fe 273.955†	241962.7	257.4	mg/L	0.25	514.7	mg/L	0.49	0.10%
K 766.490†	8004.5	6.626	mg/L	0.0321	13.25	mg/L	0.064	0.49%
Mg 279.077†	55351.3	40.10	mg/L	0.114	80.21	mg/L	0.227	0.28%
Mn 257.610†	107943.4	3.930	mg/L	0.0063	7.861	mg/L	0.0126	0.16%
Mo 202.031†	31.6	0.00687	mg/L	0.000450	0.01374	mg/L	0.000900	6.55%
Na 589.592†	37115.9	5.979	mg/L	0.0210	11.96	mg/L	0.042	0.35%
Na 330.237†	127.4	5.571	mg/L	0.0857	11.14	mg/L	0.171	1.54%
Ni 231.604†	373.5	0.2006	mg/L	0.00120	0.4012	mg/L	0.00239	0.60%
Pb 220.353†	23653.5	2.925	mg/L	0.0244	5.850	mg/L	0.0489	0.84%
Sb 206.836†	21.8	0.02829	mg/L	0.003516	0.05659	mg/L	0.007031	12.43%
Se 196.026†	-82.9	-0.07300	mg/L	0.008540	-0.1460	mg/L	0.01708	11.70%
Si 288.158†	2795.5	1.955	mg/L	0.0248	3.910	mg/L	0.0495	1.27%
Sn 189.927†	-11.7	0.00210	mg/L	0.000613	0.00419	mg/L	0.001226	29.25%
Sr 421.552†	365636.7	0.5523	mg/L	0.00120	1.105	mg/L	0.0024	0.22%
Ti 334.903†	261141.5	10.71	mg/L	0.024	21.42	mg/L	0.048	0.22%
Tl 190.801†	-17.2	-0.02768	mg/L	0.007107	-0.05536	mg/L	0.014213	25.68%
V 292.402†	172656.2	0.6599	mg/L	0.00098	1.320	mg/L	0.0020	0.15%
Zn 206.200†	3444.1	3.705	mg/L	0.0187	7.410	mg/L	0.0374	0.50%

Sequence No.: 21
Sample ID: JQ52 C SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 39
Date Collected: 8/2/2006 3:44:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52 C SWC

Analyte	Back Pressure	Flow
All	204.0 kPa	0.50 L/min

Mean Data: JQ52 C SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1757798.6	103.9	%	0.73				0.70%
ScR 361.383	211135.1	109.1	%	0.36				0.33%
Ag 328.068†	-2318.7	0.00051	mg/L	0.000143	0.00102	mg/L	0.000287	28.11%
Al 308.215†	243321.4	178.0	mg/L	0.36	356.0	mg/L	0.73	0.20%
As 188.979†	68.2	0.03736	mg/L	0.003329	0.07472	mg/L	0.006658	8.91%
B 249.677†	48.1	0.01205	mg/L	0.001138	0.02410	mg/L	0.002275	9.44%
Ba 233.527†	2854.0	0.9489	mg/L	0.00556	1.898	mg/L	0.0111	0.59%
Be 313.042†	2378.1	0.00305	mg/L	0.000047	0.00609	mg/L	0.000093	1.53%
Ca 317.933†	704057.1	38.53	mg/L	0.089	77.07	mg/L	0.178	0.23%
Cd 228.802†	70.6	0.00005	mg/L	0.000126	0.00010	mg/L	0.000252	240.22%
Co 228.616†	3437.8	0.08402	mg/L	0.001193	0.1680	mg/L	0.00239	1.42%
Cr 267.716†	1291.5	0.1811	mg/L	0.00170	0.3622	mg/L	0.00339	0.94%
Cu 324.752†	56756.2	0.2349	mg/L	0.00175	0.4698	mg/L	0.00350	0.75%
Fe 273.955†	201358.3	214.2	mg/L	0.67	428.4	mg/L	1.35	0.31%
K 766.490†	6855.4	5.674	mg/L	0.0425	11.35	mg/L	0.085	0.75%
Mg 279.077†	48200.2	34.93	mg/L	0.061	69.86	mg/L	0.122	0.17%
Mn 257.610†	105617.0	3.845	mg/L	0.0138	7.690	mg/L	0.0276	0.36%
Mo 202.031†	13.7	0.00452	mg/L	0.000129	0.00903	mg/L	0.000258	2.86%
Na 589.592†	28281.3	4.556	mg/L	0.0249	9.112	mg/L	0.0498	0.55%
Na 330.237†	79.3	4.310	mg/L	0.2098	8.619	mg/L	0.4195	4.87%
Ni 231.604†	271.4	0.1458	mg/L	0.00236	0.2915	mg/L	0.00471	1.62%
Pb 220.353†	874.7	0.1412	mg/L	0.00182	0.2823	mg/L	0.00364	1.29%
Sb 206.836†	15.6	0.02145	mg/L	0.001622	0.04291	mg/L	0.003243	7.56%
Se 196.026†	-69.6	-0.06191	mg/L	0.003522	-0.1238	mg/L	0.00704	5.69%
Si 288.158†	2983.2	2.086	mg/L	0.0169	4.172	mg/L	0.0339	0.81%
Sn 189.927†	-20.6	-0.00087	mg/L	0.001337	-0.00173	mg/L	0.002674	154.26%
Sr 421.552†	314067.2	0.4744	mg/L	0.00107	0.9488	mg/L	0.00214	0.23%
Ti 334.903†	211635.2	8.679	mg/L	0.0204	17.36	mg/L	0.041	0.24%
Tl 190.801†	-19.3	-0.02749	mg/L	0.009414	-0.05498	mg/L	0.018829	34.25%
V 292.402†	133228.4	0.5089	mg/L	0.00299	1.018	mg/L	0.0060	0.59%
Zn 206.200†	558.4	0.5964	mg/L	0.00089	1.193	mg/L	0.0018	0.15%

Sequence No.: 22
Sample ID: JQ52 MB1SPK SWC
Analyst: JLB
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 40
Date Collected: 8/2/2006 3:51:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: JQ52 MB1SPK SWC

Analyte	Back Pressure	Flow
All	203.0 kPa	0.50 L/min

Mean Data: JQ52 MB1SPK SWC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1721570.9	101.8	%	1.00				0.98%
ScR 361.383	201201.4	103.9	%	0.37				0.35%
Ag 328.068†	141584.6	0.4841	mg/L	0.00138	0.9683	mg/L	0.00276	0.29%
Al 308.215†	2702.2	1.969	mg/L	0.0056	3.938	mg/L	0.0111	0.28%
As 188.979†	1729.1	1.977	mg/L	0.0305	3.955	mg/L	0.0610	1.54%
B 249.677†	4.3	0.00224	mg/L	0.000234	0.00448	mg/L	0.000469	10.48%
Ba 233.527†	5817.2	1.966	mg/L	0.0071	3.931	mg/L	0.0141	0.36%
Be 313.042†	316013.0	0.5107	mg/L	0.00117	1.021	mg/L	0.0023	0.23%
Ca 317.933†	186664.3	10.22	mg/L	0.029	20.43	mg/L	0.059	0.29%
Cd 228.802†	15061.7	0.5002	mg/L	0.00128	1.000	mg/L	0.0026	0.26%
Co 228.616†	16176.0	0.4759	mg/L	0.00088	0.9518	mg/L	0.00176	0.18%
Cr 267.716†	3733.1	0.4937	mg/L	0.00246	0.9875	mg/L	0.00491	0.50%
Cu 324.752†	126462.3	0.4833	mg/L	0.00108	0.9666	mg/L	0.00215	0.22%
Fe 273.955†	1997.5	2.123	mg/L	0.0059	4.247	mg/L	0.0117	0.28%
K 766.490†	11984.5	9.920	mg/L	0.0496	19.84	mg/L	0.099	0.50%
Mg 279.077†	14201.1	10.34	mg/L	0.012	20.67	mg/L	0.024	0.12%
Mn 257.610†	13800.8	0.5030	mg/L	0.00057	1.006	mg/L	0.0011	0.11%
Mo 202.031†	12.0	0.00103	mg/L	0.000138	0.00205	mg/L	0.000276	13.46%
Na 589.592†	63208.2	10.18	mg/L	0.042	20.36	mg/L	0.083	0.41%
Na 330.237†	309.0	10.02	mg/L	0.107	20.04	mg/L	0.214	1.07%
Ni 231.604†	928.6	0.4987	mg/L	0.00400	0.9973	mg/L	0.00799	0.80%
Pb 220.353†	16437.4	2.006	mg/L	0.0029	4.012	mg/L	0.0058	0.14%
Sb 206.836†	8.2	0.00170	mg/L	0.003039	0.00339	mg/L	0.006078	179.09%
Se 196.026†	2426.8	2.006	mg/L	0.0236	4.012	mg/L	0.0473	1.18%
Si 288.158†	4.9	0.00448	mg/L	0.003051	0.00897	mg/L	0.006103	68.06%
Sn 189.927†	-18.0	-0.00277	mg/L	0.000994	-0.00553	mg/L	0.001987	35.92%
Sr 421.552†	327225.7	0.4943	mg/L	0.00139	0.9886	mg/L	0.00279	0.28%
Ti 334.903†	59.1	0.00232	mg/L	0.000210	0.00464	mg/L	0.000421	9.08%
Tl 190.801†	2085.8	1.973	mg/L	0.0238	3.946	mg/L	0.0476	1.21%
V 292.402†	128471.3	0.4965	mg/L	0.00093	0.9931	mg/L	0.00185	0.19%
Zn 206.200†	475.3	0.5120	mg/L	0.00307	1.024	mg/L	0.0061	0.60%

Sequence No.: 23
Sample ID: CV 6
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 8/2/2006 3:57:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	202.0 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	1652869.2	97.74	%	0.768				0.79%
ScR 361.383	193288.5	99.85	%	0.686				0.69%
Ag 328.068†	286268.5	0.9787	mg/L	0.01003	0.9787	mg/L	0.01003	1.02%
Al 308.215†	2764.4	1.985	mg/L	0.0143	1.985	mg/L	0.0143	0.72%
As 188.979†	1765.5	2.016	mg/L	0.0090	2.016	mg/L	0.0090	0.45%
B 249.677†	3230.7	0.9900	mg/L	0.00284	0.9900	mg/L	0.00284	0.29%
Ba 233.527†	2982.2	1.007	mg/L	0.0091	1.007	mg/L	0.0091	0.90%
Be 313.042†	626970.1	1.013	mg/L	0.0018	1.013	mg/L	0.0018	0.17%
Ca 317.933†	38553.9	2.110	mg/L	0.0031	2.110	mg/L	0.0031	0.15%
Cd 228.802†	30837.8	1.027	mg/L	0.0110	1.027	mg/L	0.0110	1.07%
Co 228.616†	33343.0	0.9803	mg/L	0.01280	0.9803	mg/L	0.01280	1.31%
Cr 267.716†	7443.9	0.9869	mg/L	0.00798	0.9869	mg/L	0.00798	0.81%
Cu 324.752†	269379.5	1.028	mg/L	0.0104	1.028	mg/L	0.0104	1.01%
Fe 273.955†	1998.1	2.123	mg/L	0.0148	2.123	mg/L	0.0148	0.70%
K 766.490†	24446.4	20.24	mg/L	0.047	20.24	mg/L	0.047	0.23%
Mg 279.077†	2842.5	2.073	mg/L	0.0134	2.073	mg/L	0.0134	0.65%
Mn 257.610†	27477.4	1.001	mg/L	0.0028	1.001	mg/L	0.0028	0.28%
Mo 202.031†	9874.6	1.010	mg/L	0.0079	1.010	mg/L	0.0079	0.79%
Na 589.592†	318691.5	51.34	mg/L	0.228	51.34	mg/L	0.228	0.44%
Na 330.237†	1576.0	52.20	mg/L	0.714	52.20	mg/L	0.714	1.37%
Ni 231.604†	1901.3	1.022	mg/L	0.0065	1.022	mg/L	0.0065	0.63%
Pb 220.353†	16624.9	2.030	mg/L	0.0184	2.030	mg/L	0.0184	0.91%
Sb 206.836†	2094.6	2.010	mg/L	0.0150	2.010	mg/L	0.0150	0.74%
Se 196.026†	2455.9	2.029	mg/L	0.0113	2.029	mg/L	0.0113	0.56%
Si 288.158†	2944.8	2.061	mg/L	0.0165	2.061	mg/L	0.0165	0.80%
Sn 189.927†	3914.8	0.9666	mg/L	0.00612	0.9666	mg/L	0.00612	0.63%
Sr 421.552†	668268.9	1.009	mg/L	0.0034	1.009	mg/L	0.0034	0.34%
Ti 334.903†	25267.2	1.035	mg/L	0.0043	1.035	mg/L	0.0043	0.41%
Tl 190.801†	2112.1	1.998	mg/L	0.0181	1.998	mg/L	0.0181	0.90%
V 292.402†	259171.7	1.002	mg/L	0.0104	1.002	mg/L	0.0104	1.03%
Zn 206.200†	969.7	1.044	mg/L	0.0080	1.044	mg/L	0.0080	0.77%

Sequence No.: 24
Sample ID: CB 6
Analyst: JLB
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 8/2/2006 4:04:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	201.0 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	1709243.5	101.1	%	0.49				0.49%
ScR 361.383	196318.4	101.4	%	0.27				0.27%
Ag 328.068†	72.9	0.00025	mg/L	0.000054	0.00025	mg/L	0.000054	21.60%
Al 308.215†	-19.5	-0.01429	mg/L	0.006447	-0.01429	mg/L	0.006447	45.10%
As 188.979†	4.5	0.00514	mg/L	0.002860	0.00514	mg/L	0.002860	55.67%
B 249.677†	15.6	0.00475	mg/L	0.002503	0.00475	mg/L	0.002503	52.64%
Ba 233.527†	-1.4	-0.00048	mg/L	0.000991	-0.00048	mg/L	0.000991	208.58%
Be 313.042†	24.3	0.00004	mg/L	0.000014	0.00004	mg/L	0.000014	35.61%
Ca 317.933†	-0.7	-0.00004	mg/L	0.000073	-0.00004	mg/L	0.000073	184.93%
Cd 228.802†	0.7	0.00002	mg/L	0.000184	0.00002	mg/L	0.000184	>999.9%
Co 228.616†	2.8	0.00008	mg/L	0.000145	0.00008	mg/L	0.000145	177.76%
Cr 267.716†	1.0	0.00013	mg/L	0.000232	0.00013	mg/L	0.000232	184.52%
Cu 324.752†	18.2	0.00007	mg/L	0.000204	0.00007	mg/L	0.000204	294.37%
Fe 273.955†	0.0	0.00001	mg/L	0.002863	0.00001	mg/L	0.002863	>999.9%
K 766.490†	24.4	0.02017	mg/L	0.027780	0.02017	mg/L	0.027780	137.74%
Mg 279.077†	17.5	0.01272	mg/L	0.014767	0.01272	mg/L	0.014767	116.09%
Mn 257.610†	-1.0	-0.00003	mg/L	0.000089	-0.00003	mg/L	0.000089	260.88%
Mo 202.031†	0.0	0.00000	mg/L	0.000108	0.00000	mg/L	0.000108	>999.9%
Na 589.592†	67.8	0.01093	mg/L	0.006212	0.01093	mg/L	0.006212	56.84%
Na 330.237†	-4.0	-0.1334	mg/L	0.16717	-0.1334	mg/L	0.16717	125.30%
Ni 231.604†	0.9	0.00049	mg/L	0.001914	0.00049	mg/L	0.001914	389.13%
Pb 220.353†	22.4	0.00273	mg/L	0.000445	0.00273	mg/L	0.000445	16.31%
Sb 206.836†	1.6	0.00158	mg/L	0.003587	0.00158	mg/L	0.003587	226.44%
Se 196.026†	7.8	0.00645	mg/L	0.000923	0.00645	mg/L	0.000923	14.30%
Si 288.158†	0.2	0.00017	mg/L	0.003242	0.00017	mg/L	0.003242	>999.9%
Sn 189.927†	7.1	0.00174	mg/L	0.001625	0.00174	mg/L	0.001625	93.23%
Sr 421.552†	6.6	0.00001	mg/L	0.000033	0.00001	mg/L	0.000033	330.86%
Ti 334.903†	30.9	0.00127	mg/L	0.000451	0.00127	mg/L	0.000451	35.59%
Tl 190.801†	1.3	0.00126	mg/L	0.002734	0.00126	mg/L	0.002734	217.72%
V 292.402†	14.3	0.00006	mg/L	0.000135	0.00006	mg/L	0.000135	244.15%
Zn 206.200†	-0.1	-0.00016	mg/L	0.001247	-0.00016	mg/L	0.001247	802.49%

Metals Prep Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

SPIKING LOG

Analyst: DM

Date: 7-31-06

Final Volume 50

Final Volume (Hg):

Sample ID JQ36 ASPK, MBISPK

Prepcode:		SMC		
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.

1222

Total Solids

Oven in:
Analyst: DM Date: 7-31-06 Time: 1245 Temp: 101°C

Oven out:
Analyst: DM Date: 8-01-06 Time: 0740 Temp: 103°C

ARI Sample ID	Tare Weight (g)	Tare + Sample Wet (g)	Tare + Sample Dry (g)	Comments
JQ36 A	1.040	10.687	6.082	
" B	1.005	10.641	6.255	
" C	0.975	10.282	6.997	
" D	0.986	10.470	8.489	
" E	1.037	10.447	6.457	
" F	1.071	10.518	7.841	
" G	0.986	10.828	8.414	
" H	1.005	10.379	8.816	
" I	1.008	10.371	4.781	
" J	1.057	10.247	5.743	
" K	1.015	10.512	5.041	
" L	1.030	10.136	5.095	
		7-31-06 DM		

Digestion Log

Analyst: DM

Date: 7-31-06

Matrix: Sediment

Block Temp: 91°C

ARI Sample ID	Btl #	pH<2	Prep Code: SW6 Initial Wt (g) ~~Vol (mL)~~	Prep Code: SW6 Final Vol (mL)	Prep Code: Initial Wt (g) Vol (mL)	Prep Code: Final Vol (mL)	Comments
JQ36 A	2	—	1.019	50.0			
" ADUP	2	—	1.016				
" ASPK	2	—	1.017				
" B	2	—	1.056				
" C	2	—	1.092				
" D	2	—	1.047				
" E	2	—	1.020				
" F	2	—	1.086				
" G	2	—	1.058				
" H	2	—	1.026				
" I	2	—	1.010				
" J	2	—	1.041				
" K	2	—	1.039				
" L	2	—	1.038				
" MBI	—	—	—				
" MBISPK	—	—	—	50.0			
				7-31-06 DM			

Chemical/Reagent ID:

HNO_3: MP994 | I2853 HCl: I2854 H_2O_2: I2982

General Chemistry Analysis
QC Summary Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

METHOD BLANK RESULTS-CONVENTIONALS
JQ36-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	Date	Units	Blank
Total Solids	07/24/06	Percent	< 0.01 U
Total Organic Carbon	07/26/06	Percent	< 0.020 U
	07/27/06		< 0.020 U

LAB CONTROL RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: DMP
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	07/26/06	Percent	0.524	0.500	104.8%
	07/27/06		0.498	0.500	99.6%

STANDARD REFERENCE RESULTS-CONVENTIONALS
JQ36-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	07/26/06	Percent	2.97	3.35	88.7%
NIST #8704	07/27/06		3.16	3.35	94.3%

REPLICATE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MB
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Replicate(s)	RPD/RSD
ARI ID: JQ36A Client ID: T4-S3-07-B					
Total Solids	07/24/06	Percent	51.60	52.10 52.10	0.6%
Total Organic Carbon	07/27/06	Percent	1.66	1.84 1.60	7.3%

MS/MSD RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Analyte	Date	Units	Sample	Spike	Spike Added	Recovery
ARI ID: JQ36A Client ID: T4-S3-07-B						
Total Organic Carbon	07/27/06	Percent	1.66	3.61	1.79	109.1%

General Chemistry Analysis
Sample Data

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-07-B
ARI ID: 06-12972 JQ36A

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	51.60
Total Organic Carbon	07/27/06 072706#1	Plumb,1981	Percent	0.020	1.66

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-07-C
ARI ID: 06-12973 JQ36B

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	55.70
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.07

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-07-D
ARI ID: 06-12974 JQ36C

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	66.60
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.71

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-07-E
ARI ID: 06-12975 JQ36D

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	82.30
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	0.442

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-04-A
ARI ID: 06-12976 JQ36E

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	58.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.42

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-04-B
ARI ID: 06-12977 JQ36F

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	72.30
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	0.402

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-04-C
ARI ID: 06-12978 JQ36G

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	77.50
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.27

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-S3-04-D
ARI ID: 06-12979 JQ36H

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	82.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	0.232

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-WB-01
ARI ID: 06-12980 JQ36I

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	40.30
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.81

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-WB-02
ARI ID: 06-12981 JQ36J

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	52.70
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.72

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized: MP
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-WB-03
ARI ID: 06-12982 JQ36K

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	43.90
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	2.05

RL Analytical reporting limit
U Undetected at reported detection limit

SAMPLE RESULTS-CONVENTIONALS
JQ36-Anchor Environmental

ANALYTICAL RESOURCES INCORPORATED

Matrix: Sediment
Data Release Authorized:
Reported: 07/31/06

Project: T4 EARLY ACTION
Event: 050332-01
Date Sampled: 07/20/06
Date Received: 07/21/06

Client ID: T4-WB-04
ARI ID: 06-12983 JQ36L

Analyte	Date	Method	Units	RL	Sample
Total Solids	07/24/06 072406#1	EPA 160.3	Percent	0.01	44.30
Total Organic Carbon	07/26/06 072606#1	Plumb,1981	Percent	0.020	1.69

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: JQ36

prepared
by

Analytical Resources, Inc.

JQ36

W 7-25-06

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 7/24/2006

ANALYST: KE (B)

SOLIDS

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch drying time		
record times as mm/dd/yy hh:mm		
7/24/2006 16:00	time in oven	KE
7/25/2006 10:04	time out	KE
elapsed hrs =	18.1	

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
if ash wt > dry wt, "Chk for Err"
*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 -->		7/24/2006	7/24/2006	7/25/2006										
Time & Initials -->		15:10 KE	13:56 KE	10:22 KE										
Cal Wt (g)	10.0000	9.9997	9.9998	9.9995										
record weights to 4 places		Cal OK!	Cal OK!	Cal OK!										
Blank			1.0185	1.0182			0.00							
JQ36 A2		6.1763	1.0184	3.6793			2.66	51.6%						
JQ36 A2 dup		6.8986	1.0171	4.0833			3.07	52.1%						
							RPD =	1.05%				RPD =	NA	
JQ36 A2 trp		6.8139	1.0172	4.0366			3.02	52.1%						
							RSD =	0.58%				RSD =	NA	
JQ36 B2		6.4245	1.0024	4.0249			3.02	55.7%						
JQ36 C2		6.6244	1.0396	4.7590			3.72	66.6%						
JQ36 D2		6.4689	1.0425	5.5081			4.47	82.3%						
JQ36 E2		6.1965	1.0024	4.0638			3.06	58.9%						
JQ36 F2		6.3261	1.0058	4.8510			3.85	72.3%						
JQ36 G2		6.1740	0.9940	5.0075			4.01	77.5%						
JQ36 H2		6.3599	1.0162	5.4481			4.43	82.9%						
JQ36 I 2		6.4458	1.0200	3.2057			2.19	40.3%						
JQ36 J 2		6.6014	1.0019	3.9530			2.95	52.7%						
JQ36 K2		6.0815	1.0491	3.2562			2.21	43.9%						
JQ36 L2		6.7458	1.0054	3.5505			2.55	44.3%						
JQ40 A6		6.8271	1.0092	5.5564			4.55	78.2%						
JQ40 A6 dup		6.4402	1.0186	5.2964			4.28	78.9%						
							RPD =	0.95%				RPD =	NA	
JQ40 A6 trp		6.7690	1.0200	5.5409			4.52	78.6%						
							RSD =	0.48%				RSD =	NA	
JQ40 B6		6.4091	1.0216	6.1106			5.09	94.5%						

1245

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 7/24/2006

SOLIDS *(dry at 104 (12-24 hr) then combust at 550 (30 min))*

ANALYST: KE (B)

Batch drying time

record times as mm/dd/yy hh:mm

7/24/2006 16:00 time in oven KE

7/25/2006 10:04 time out KE

elapsed hrs = 18.1

TS (%) calculated as:
Final dry wt (g) = (Dry Wt - Tare Wt)
TS = (Final Dry Wt)/ (grams Sample-Tare)

TVS (mg/kg dry wt) calculated as:
Final ash wt (g) = (min ash wt - tare wt)
*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*
if ash wt > dry wt, "Chk for Err"
*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)	(%)
JQ40 C1		6.7209	1.0162	5.6551			4.64	**81.3%**						
JQ40 D1		6.0657	1.0029	5.0578			4.05	**80.1%**						

1246

(T)(W) 7-24-06

TOTAL SOLIDS/VOLATILE SOLIDS (TS / TVS) BENCHSHEET

DATE: 7-24-06

ANALYST: (W) (B)

SOLIDS

(dry at 104 (12-24 hr) then combust at 550 (30 min))

Batch drying time

record times as mm/dd/yy hh:mm

7-24-06 (W) time in oven 16:00

7-25-06 time out 16:04

elapsed hrs = 0.0 < 12 hr

TS (%) calculated as:

Final dry wt (g) = (Dry Wt - Tare Wt)

TS = (Final Dry Wt)/ (grams Sample-Tare)

TVS (mg/kg dry wt) calculated as:

Final ash wt (g) = (min ash wt - tare wt)

*TVS (mg/kg) = [(Dry wt-Ash wt)/ (dry weight)] *1,000,000*

if ash wt > dry wt, "Chk for Err"

*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 -->		7-24-06	7-24-06	7-25-06										
Time & Initials -->		1510 (W)	15:56 (W)	10122 (W)										
Cal Wt (g)	10.0000	9.2997	9.9998	9.9995										
record weights to 4 places														
Blank	1	Ø	1.0185	1.0182										
JQ36 A2	2	6.1763	1.0184	3.6793										
↓ A2	3	6.8986	1.0171	4.0833										
↓ A2	4	6.8139	1.0172	4.0366										
B2	5	6.4245	1.0024	4.0249										
C2	6	6.6244	1.0396	4.7590										
D2	7	6.4689	1.0425	5.5081										
E2	8	6.1965	1.0024	4.0638										
F2	9	6.3261	1.0058	4.8510										
G2	10	6.1740	0.9940	5.0075										
H2	11	6.3599	1.0162	5.4481										
I2	12	6.4458	1.0200	3.2057										
J2	13	6.6014	1.009	3.9530										
K2	14	6.0815	1.0491	3.2562										
↓ L2	15	6.7458	1.0054	3.5605										
JQ40 A6	16	6.8271	1.0092	5.5564										
↓ A6	17	6.4402	1.0186	5.2964										
↓ A6	18	6.7690	1.0200	5.5409										
B6	19	6.4091	1.0216	6.1106										
C1	20	6.7209	1.0162	5.6551										
↓ D1	21	6.0657	1.0029	5.0578										
							7-24-06 (W)							

1247

JQ36

7-25-06

TOC Solids Prep Log

acid purging to remove IC and drying at 70°C for TOC analysis

General notes regarding prep method and samples (identify the acid used)

DATE:	7/24/2006
ANALYST:	KE 16:56 (B)

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			13.2019		13.2020	0.1 mg	
JQ36 A2		-	13.0572	18.4191	16.0122	55.11%	
JQ36 A2 DUP		-	13.1383	18.2593	15.8930	53.79%	will be reprepped 7-26-06
JQ36 A2 TRIP		-	13.0212	18.6733	16.1607	55.55%	
JQ36 B2		-	13.1296	18.2965	16.1475	58.41%	
JQ36 C2		-	13.0998	18.7421	16.9859	68.87%	
JQ36 D2		+	13.0304	18.5651	17.8091	86.34%	
JQ36 E2		-	13.1813	18.6249	16.5299	61.51%	
JQ36 F2		-	13.0832	18.9275	17.3380	72.80%	
JQ36 G2		-	13.1269	18.7945	17.6446	79.71%	
JQ36 H2		+	13.2170	18.2373	17.6771	88.84%	
JQ36 I 2		-	13.1401	18.1721	15.3261	43.44%	
JQ36 J 2		-	13.1389	18.4658	16.0492	54.63%	
JQ36 K2		-	13.1299	18.3612	15.5584	46.42%	
JQ36 L2		-	13.1988	18.4288	15.6640	47.14%	
JQ40 A6		-	13.1123	18.9757	17.8493	80.79%	
JQ40 A6 DUP		-	13.1688	18.6748	17.6298	81.02%	
JQ40 A6 TRIP		-	13.1299	18.5768	17.5164	80.53%	
JQ40 B6		+-	13.0170	18.0312	18.2954	105.27%	
JQ40 C1		-	13.1142	18.5714	17.6525	83.16%	
JQ40 D1		+-	13.0755	18.8702	18.0162	85.26%	

(I) (N) 7-24-06

TOC Solids Prep Log

acid purging to remove IC and drying at 70°C for TOC analysis

General notes regarding prep method and samples (identify the acid used)

DATE: 7-24-06

ANALYST: (W) (B) 16:56

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			13.2019	Ø	13.2020		
JQ36 A2		-	13.0572	18.4191	16.0122		Sediment
pA2		-	13.1383	18.2593	15.8930		
uA2		-	13.0212	18.6733	16.1607		
B2		-	13.1296	18.2965	16.1475		
C2		-	13.0998	18.7421	16.9859		
D2		+ -	13.0304	18.5651	17.8091		Sand
E2		-	13.1813	18.6249	16.5299		Sediment w/Water layer
F2		-	13.0832	18.9275	17.3380		Sand + Water
G2		-	13.1269	18.7945	17.6446		Sandy Sediment
H2		+ -	13.2170	18.2373	17.6771		Sand
I2		-	13.1401	18.1721	15.3261		Very Wet Sediment
J2		-	13.1389	18.4658	16.0492		
K2		-	13.1299	18.3612	15.5584		Sediment
L2		-	13.1988	18.4288	15.6640		~~Clay~~ Sediment
JQ40 A6		-	13.1123	~~18.2614~~	18.9757	17.8493	clay
pA6		-	13.1688	18.6748	17.5298		
uA6		-	13.1299	18.5768	17.5164		
B6		+ -	13.0170	18.0312	~~17.90~~	18.2954	Sand (Fine)
C1		-	13.1142	18.5714	17.6525		Clayish Sand
D1		+ -	13.0755	18.8702	18.0162		fine Sand

lw
7-27-06

JQ36

TOC Solids Prep Log

acid purging to remove IC and drying at 70°C for TOC analysis

General notes regarding prep method and samples (identify the acid used)

DATE: 7/26/2006

ANALYST: KE 17:20 DP

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%	

1250

(D)(W) 7-26-06

TOC Solids Prep Log

DATE: 7-26-06
ANALYST: (W) 17:20 M

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	Ø	13.1480		
JQ52 A2		-	13.0151	18.3631	16.0612		Sediment
B2		-	13.0483	18.5661	16.5722		
C2		-	13.1796	18.7802	(D) ~~16.0362~~	16.1447	
DPC2		-	12.9843	18.7585	~~17.8869~~	~~17.8864~~ 16.0376	
JPC2		-	13.1243	18.9017	~~17.880~~	16.1751	
D2		+-	13.0455	18.4302	17.8862		Sand
JQ36 A2		-	13.0146	18.3115	15.9454		Sediment
DPA2		-	13.0989	18.2204	15.9737		
JPA2		-	13.1469	18.4301	16.0927		

7-26-06 (W)

(D) 7/27/06

1251

JQ36

UW 7-26-06

TOC, Solids Data Analysis

Mode: NPOC *Inlet:* Boat

Spike Std = 2,000 *ppm C*

DATE:	7/26/2006
ANALYST:	KE 9:26

Calibration Data								
Calibration Standard			Source:	ARI # 0061-4			Conc:	2,000 ppm
	Observed Values (µg/g)					mean	*Cal Factor*	
	1,589	1,598	1,609			1,599	*1.251*	
Verification Standard			Source:	ERA 32-44 As			Conc:	5,000 ppm
	ICV	CCV	CCV	CCV	CCV	*mean*	*% Rec*	
	5,235	5,127	5,196	5,135	5,151	*5,169*	*103.4%*	
	5,202					*5,202*	*#DIV/0!*	
Standard Reference Material			Source:	***NIST 8704***			Conc:	**33,510** ppm

Blank Data								*Historical Blank Limits*	
System Blanks (enter "observed C")								*mean*	*stdev*
	Replicate determinations					Mean	condition	17.8	7.23
	17.25	18.45	37.22	30.99	43.62	29.51	OK !	*updated*	*9/27/2005*
	22.57					22.57	OK !	*updated*	*9/27/2005*
Silica Blanks (enter "corrected C" at end of run)								*LBL*	-3.9
	Replicate determinations					Mean	condition	*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				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
ICV				1.00		10.0	5265	5,235	*104.71%*
Blank				1.00		10.0	17.25		*Blank OK*
NIST 8704				1.00		3.5	29700	29,670	*88.54%*
JQ33 A2				1.00		2.8	11590	11,560	*Range OK!*
JQ33 B2				1.00		1.8	20130	20,100	*Range OK!*
JQ33 C2				1.00		2.4	16160	16,130	*Range OK!*
JQ33 D3				1.00		1.9	17330	17,300	*Range OK!*
JQ33 D3 dup				1.00		2.0	12340	12,310	*RPD=33.7%*
JQ33 D3 trp				1.00		1.9	14450	14,420	*RSD=17.1%*
JQ33 D3 ms				1.00	10	1.1	37250	37,220	*Range OK!*
Spike =	*0.02*	*mg C to*	*1.1*	*mg samp=*	*18,182*	*ppm*		*110%*	
JQ33 E2				1.00		1.7	17140	17,110	*Range OK!*
JQ33 F2				1.00		1.6	25280	25,250	*Range OK!*
CCV				1.00		10.0	5157	5,127	*102.55%*
Blank				1.00		10.0	18.45		*Blank OK*
JQ33 G2				1.00		2.3	12380	12,350	*Range OK!*
JQ33 H2				1.00		2.1	14460	14,430	*Range OK!*
JQ33 I 2				1.00		2.3	21100	21,070	*Range OK!*
JQ33 J 2				1.00		2.5	17290	17,260	*Range OK!*
JQ33 K2				1.00		1.9	14080	14,050	*Range OK!*
JQ33 L2				1.00		2.5	13860	13,830	*Range OK!*
JQ33 M2				1.00		2.2	18880	18,850	*Range OK!*
JQ33 N2				1.00		2.3	19310	19,280	*Range OK!*
JQ33 O2				1.00		2.2	22620	22,590	*Range OK!*
JQ33 P2				1.00		1.8	24580	24,550	*Range OK!*
CCV				1.00		10.0	5226	5,196	*103.93%*
Blank				1.00		10.0	37.22		*Blank OK*
JQ33 Q2				1.00		1.9	21560	21,530	*Range OK!*
JQ35 L2				1.00		2.1	4789	4,759	*Range OK!*
JQ35 P2				1.00		1.9	1794	1,764	*Range OK!*

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				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	Burn wt. (mg)	Observed C (ppm C)	Corrected C (ppm C)	
~~JQ36 A2~~			~~-~~	~~1.00~~		~~2.5~~	~~12640~~	~~12,610~~	~~Range OK!~~
~~JQ36 A2 dup~~				~~1.00~~		~~2.6~~	~~21830~~	~~21,800~~	~~RPD=53.4%~~
~~JQ36 A2 trp~~				~~1.00~~		~~2.4~~	~~14120~~	~~14,090~~	~~RSD=30.5%~~
~~JQ36 A2~~			~~-~~	~~1.00~~		~~2.5~~	~~14620~~	~~14,590~~	~~Range OK!~~
~~JQ36 A2 dup~~				~~1.00~~		~~2.5~~	~~22640~~	~~22,610~~	~~RPD=43.1%~~
~~JQ36 A2 trp~~				~~1.00~~		~~2.6~~	~~17420~~	~~17,390~~	~~RSD=22.4%~~
~~JQ36 A2 ms~~			~~-~~	~~1.00~~	~~10~~	~~1.2~~	~~31580~~	~~31,550~~	~~Range OK!~~
~~Spike =~~	~~0.02~~	~~mg C to~~	~~1.2~~	~~mg samp=~~	~~16,667~~	~~ppm~~		~~102%~~	
CCV				1.00		10.0	5165	5,135	*102.71%*
Blank				1.00		10.0	30.99		*Blank OK*
JQ36 B2				1.00		2.4	19760	19,730	*Range OK!*
JQ36 C2				1.00		2.4	16540	16,510	*Range OK!*
JQ36 D2				1.00		2.1	4242	4,212	*Range OK!*
JQ36 E2				1.00		2.0	23230	23,200	*Range OK!*
JQ36 F2				1.00		2.1	4023	3,993	*Range OK!*
JQ36 G2				1.00		2.2	12350	12,320	*Range OK!*
JQ36 H2				1.00		2.0	2198	2,168	*Range OK!*
JQ36 I 2				1.00		2.2	16850	16,820	*Range OK!*
JQ36 J 2				1.00		2.0	16610	16,580	*Range OK!*
JQ36 K2				1.00		2.3	19390	19,360	*Range OK!*
CCV				1.00		10.0	5181	5,151	*103.03%*
Blank				1.00		10.0	43.62		*Blank OK*
JQ36 L2				1.00		2.0	15900	15,870	*Range OK!*
JQ28 A1				1.00		2.2	3295	3,265	*Range OK!*
JQ28 A1 dup				1.00		2.2	3377	3,347	*RPD=2.5%*
JQ28 A1 trp				1.00		2.3	3508	3,478	*RSD=3.2%*
JQ28 A1 ms				1.00	10	3.5	9225	9,195	*Range OK!*
Spike =	*0.02*	*mg C to*	*3.5*	*mg samp=*	*5,714*	*ppm*		*104%*	
NIST 8704				1.00		3.5	28950	28,920	*86.30%*
CCV				1.00		10.0	5232	5,202	*104.05%*
~~Blank~~				~~1.00~~		~~10.0~~	~~437.8~~		~~Check Blank~~
Blank				1.00		10.0	22.57		*Blank OK*

9:26 (K) 7-26-06
Page 2 of 2

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	32-44 As	5000
SRM:	NBS	8704	33510

Cont.

Sample Sequence:

Sample ID	Dilution Data (mg) Sample	Dilution Data (mg) + Silica Gel	Burn Wt mg	Matrix Spike Data mg/L	Matrix Spike Data µL added	Comments
JQ36 tP A2			2.4			will be reanalyzed
A2			2.5			
DP A2			2.5			7-26-06 (K)
tD A2			2.6			
MS A2			1.2	2000	10	
CCV			10			
CCB			10			
JQ36 B2			2.4			
C2			2.4			
D2			2.1			
E2			2.0			
F2			2.1			
G2			2.2			
H2			2.0			
I2			2.2			
J2			2.0			
K2			2.3			
CCV			10			
CCB			10			
JQ36 L2			2.0			
JQ28 A1			2.2			
DP A1			2.2			
tP A1			2.3			
MS A1			3.5	2000	10	
CCV			10			
CCB			10/10			2 injects

7-26-06 NBS 8704 3.5

7-26-06 (K)

9:26 7-26-06 (W)

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	0061-4	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			3.5			
JQ33 A2			2.8			
B2			1.8			
C2			2.4			
D3			1.9			
OPD3			2.0			
HPD3			1.9			
MSD3			1.1	2000	10	
E2			1.7			
F2			1.6			
CCV			10			
CCB			10			
JQ33 G2			2.3			
H2			2.1			
I2			2.3			
J2			2.5			
K2			1.9			
L2			25			
M2			2.2			
N2			2.3			
O2			2.2			
P2			1.8			
CCV			10			
CCB			10			
JQ33 Q2			1.9			
JQ35 L2			2.1			
P2			1.9			
JQ36 A2			2.5			will be Reanalyzed @ 7-26-06
A2			2.6			Area of 1st Gnat No injection or (O.W) No peak

7-26-06 (W)

Operating Parameters

```
alysis set-up      1
IPOC Analysis
Boat mode
ample size          25.
alibration factor    1.
ystem blank          0.
td. concentration =2000.
ample mass (mg) =  25.
1. NPOC = 1589. ug/g
ample mass (mg) =  25.
2. NPOC = 1598. ug/g
ample mass (mg) =  25.
3. NPOC = 1635. ug/g
ample mass (mg) =  25.
4. NPOC = 1609. ug/g
AVG  NPOC = 1608. +/- 19.77     % std dev: 1.229
0:34:28 Wed Jul 26, 2006
epeat number 3  omitted:

AVG  NPOC = 1599. +/- 9.95     % std dev: 0.622
alibration update:
alibration factor  1.251
ystem blank          0.
ample mass (mg) =  10.
1. NPOC = 5265. ug/g
0:49:08 Wed Jul 26, 2006
ample mass (mg) =  10.
1. NPOC = 17.25 ug/g
0:59:14 Wed Jul 26, 2006
ample mass (mg) =  3.5
1. NPOC = 29700. ug/g
1:42:23 Wed Jul 26, 2006
ample mass (mg) =  2.8
1. NPOC = 11590. ug/g
1:49:07 Wed Jul 26, 2006
ample mass (mg) =  1.8
1. NPOC = 20130. ug/g
1:53:39 Wed Jul 26, 2006
ample mass (mg) =  2.4
1. NPOC = 16160. ug/g
2:01:01 Wed Jul 26, 2006
ample mass (mg) =  1.9
1. NPOC = 17330. ug/g
2:21:02 Wed Jul 26, 2006
ample mass (mg) =  2.
1. NPOC = 12340. ug/g
2:26:43 Wed Jul 26, 2006
ample mass (mg) =  1.9
1. NPOC = 14450. ug/g
2:34:51 Wed Jul 26, 2006
ample mass (mg) =  1.1
1. NPOC = 37250. ug/g
2:40:19 Wed Jul 26, 2006
ample mass (mg) =  1.7
1. NPOC = 17140. ug/g
2:45:08 Wed Jul 26, 2006
ample mass (mg) =  1.6
1. NPOC = 25280. ug/g
2:49:03 Wed Jul 26, 2006
ample mass (mg) =  10.
```

2:55:32 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 18.45 ug/g
3:00:01 Wed Jul 26, 2006
ample mass (mg) = 2.3
1. NPOC = 12380. ug/g
3:05:56 Wed Jul 26, 2006
ample mass (mg) = 2.1
1. NPOC = 14460. ug/g
3:12:47 Wed Jul 26, 2006
ample mass (mg) = 2.3
1. NPOC = 21100. ug/g
3:17:57 Wed Jul 26, 2006
ample mass (mg) = 2.5
1. NPOC = 17290. ug/g
3:25:41 Wed Jul 26, 2006
ample mass (mg) = 1.9
1. NPOC = 14080. ug/g
3:32:02 Wed Jul 26, 2006
ample mass (mg) = 2.5
1. NPOC = 13860. ug/g
3:38:09 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 18880. ug/g
3:43:26 Wed Jul 26, 2006
ample mass (mg) = 2.3
1. NPOC = 19310. ug/g
3:50:57 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 22620. ug/g
3:56:28 Wed Jul 26, 2006
ample mass (mg) = 1.8
1. NPOC = 24580. ug/g
4:02:04 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 5226. ug/g
4:12:17 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 37.22 ug/g
4:16:54 Wed Jul 26, 2006
ample mass (mg) = 1.9
1. NPOC = 21560. ug/g
4:25:11 Wed Jul 26, 2006
ample mass (mg) = 2.1
1. NPOC = 4789. ug/g
4:29:42 Wed Jul 26, 2006
ample mass (mg) = 1.9
1. NPOC = 1794. ug/g
4:34:13 Wed Jul 26, 2006
ample mass (mg) = 2.5
1. NPOC = 12640. ug/g
4:39:04 Wed Jul 26, 2006
ample mass (mg) = 0.6
1. NPOC = 0. ug/g No Peak!!
4:42:04 Wed Jul 26, 2006
ample mass (mg) = 2.6
1. NPOC = 21830. ug/g
4:49:35 Wed Jul 26, 2006
ample mass (mg) = 2.4
1. NPOC = 14120. ug/g
4:57:17 Wed Jul 26, 2006
ample mass (mg) = 2.5
1. NPOC = 14620. ug/g

5:02:29 Wed Jul 26, 2006
ample mass (mg) = 2.5
1. NPOC = 22640. ug/g
5:43:24 Wed Jul 26, 2006
ample mass (mg) = 2.6
1. NPOC = 17420. ug/g
5:56:29 Wed Jul 26, 2006
ample mass (mg) = 1.2
1. NPOC = 31580. ug/g
6:15:18 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 5165. ug/g
6:26:52 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 30.99 ug/g
6:30:55 Wed Jul 26, 2006
ample mass (mg) = 2.4
1. NPOC = 19760. ug/g
6:36:25 Wed Jul 26, 2006
ample mass (mg) = 2.4
1. NPOC = 16540. ug/g
6:47:20 Wed Jul 26, 2006
ample mass (mg) = 2.1
1. NPOC = 4242. ug/g
6:54:09 Wed Jul 26, 2006
ample mass (mg) = 2.
1. NPOC = 23230. ug/g
7:04:24 Wed Jul 26, 2006
ample mass (mg) = 2.1
1. NPOC = 4023. ug/g
7:12:06 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 12350. ug/g
7:16:57 Wed Jul 26, 2006
ample mass (mg) = 2.
1. NPOC = 2198. ug/g

7:31:14 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 16850. ug/g
7:37:40 Wed Jul 26, 2006
ample mass (mg) = 2.
1. NPOC = 16610. ug/g
7:42:20 Wed Jul 26, 2006
ample mass (mg) = 2.3
1. NPOC = 19390. ug/g
7:47:39 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 5181. ug/g
7:53:57 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 43.62 ug/g
7:58:00 Wed Jul 26, 2006
ample mass (mg) = 2.
1. NPOC = 15900. ug/g
8:03:02 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 3295. ug/g
8:08:05 Wed Jul 26, 2006
ample mass (mg) = 2.2
1. NPOC = 3377. ug/g
8:14:25 Wed Jul 26, 2006

1. NPOC = 3508. ug/g
8:18:41 Wed Jul 26, 2006
ample mass (mg) = 3.5
1. NPOC = 9225. ug/g
8:27:25 Wed Jul 26, 2006
ample mass (mg) = 3.5

1. NPOC = 28950. ug/g
8:33:09 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 5232. ug/g
8:39:12 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 437.8 ug/g
8:43:11 Wed Jul 26, 2006
ample mass (mg) = 10.
1. NPOC = 22.57 ug/g
8:50:26 Wed Jul 26, 2006

JQ36

CW
7-27-06

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								*Historical Blank Limits*	
System Blanks (enter "observed C")								*mean*	*stdev*
	Replicate determinations					Mean	condition	17.8	7.23
	17.29	18.91	22.46			19.55	OK !	*updated*	*9/27/2005*
Silica Blanks (enter "corrected C" at end of run)								*LBL*	-3.9
	Replicate determinations					Mean	condition	*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				Spike	Combustion Data			
	Sample wt. (mg)	Final wt. (mg)	Silica (%)	Dilution Factor	(µL Std)	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*

DM 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			
① ~~JQ52~~ B2			3.4			NO PEAK
① ~~JQ52~~ B2			3.3			
① ~~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	
① ~~CCV~~ NBS8704			① ~~10~~ 3.2			
CCV			10			
CCB			10			

DM 7/27/06

Operating Parameters

W 7/27/06

```
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
```

ANALYTICAL RESOURCES INCORPORATED

CORRECTIVE ACTIONS - Inorganic Analyses

Criteria Flagged

ARI Project No.: JQ36

Client Name: Anchor Environmental

Date of Out-of-Control Event: _____

Method/Element: TOC

Unacceptable Blank	
Unacceptable Duplicate	✓
Unacceptable Spike	
Unacceptable Reference	

Prep Code: _____

Other: _____

Details of Problem/Recommended Corrective Action:

Dup + trip failed
Reanalyzed Dup + trip still failed

Samples Affected: A2

Corrective Action Taken:

will Reprep + reanalyze again on 7-26-06.

Analyst: W

Date: 7-26-06

Supervisor: [illegible]

Date: 7/27/06

5049F

Rev. 6
10/28/02

Geotech Analysis

prepared
for

ANCHOR ENVIRONMENTAL

Project: T4 Early Action, 050332-01

ARI JOB NO: JQ36

prepared
by

Analytical Resources, Inc.

ANALYTICAL RESOURCES INCORPORATED

PROJECT:	Anchor Environmental	Project No.:	T4 Early Action, 05033
ARI Triplicate Sample ID:	JQ36 K	Batch No.:	JQ36 -01
Client Triplicate Sample ID:	T4-WB-03	Page:	1 of 1

Relative Standard Deviation, By Size

Sample ID	4750	2000	850	425	250	150	75	32	22	13	9	7	3.2	1.3
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.1	98.6	92.7	66.1	53.2	41.1
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.5	92.7	64.3	50.8	39.7
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.5	99.0	98.4	93.0	65.5	50.1	38.0
AVE	100.00	100.00	100.00	100.00	100.00	100.00	99.94	99.53	99.08	98.46	92.79	65.29	51.37	39.59
STDEV	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.11	0.20	0.92	1.60	1.55
%RSD	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.11	0.22	1.40	3.12	3.90

This Triplicate applies to the Batch Containing the Following Samples

Sample ID	Date Sampled	Date Set up	Date Started	Date Complete	Data Qualifiers
T4-WB-03	7/20/06	7/31/06	8/2/06	8/7/06	
T4-WB-03	7/20/06	7/31/06	8/2/06	8/7/06	
T4-WB-03	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-07-B	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-07-C	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-07-D	7/20/06	8/1/06	8/2/06	8/7/06	
T4-S3-07-E	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-04-A	7/20/06	8/1/06	8/2/06	8/7/06	
T4-S3-04-B	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-04-C	7/20/06	7/31/06	8/2/06	8/7/06	
T4-S3-04-D	7/20/06	7/31/06	8/2/06	8/7/06	
T4-WB-01	7/20/06	7/31/06	8/2/06	8/7/06	
T4-WB-02	7/20/06	8/1/06	8/2/06	8/7/06	
T4-WB-04	7/20/06	7/31/06	8/2/06	8/7/06	

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Anchor Environmental
T4 Early Action, 050332-01

Percent Finer (Passing) Than the Indicated Size

Sieve Size (microns)	2"	1"	3/4"	1/2"	3/8"	#4 (4750)	#10 (2000)	#20 (850)	#40 (425)	#60 (250)	#100 (150)	#200 (75)	32	22	13	9	7	3.2	1.3
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.5	99.1	98.6	92.7	66.1	53.2	41.1	35.5	28.2	19.3	13.7
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.6	99.1	98.5	92.7	64.3	50.8	39.7	31.7	27.0	17.5	11.9
T4-WB-03	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.5	99.0	98.4	93.0	65.5	50.1	38.0	30.7	25.1	16.2	10.5
T4-S3-07-B	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	98.9	95.8	93.6	86.1	62.5	55.5	43.0	35.2	28.1	18.7	13.3
T4-S3-07-C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9	98.7	95.6	94.3	87.7	71.2	59.8	49.8	40.6	32.9	20.7	13.8
T4-S3-07-D	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.0	84.5	62.2	56.3	52.3	44.6	36.9	29.1	23.4	19.1	12.0	7.8
T4-S3-07-E	100.0	100.0	100.0	100.0	100.0	100.0	99.8	98.5	65.2	18.0	7.1	5.5	4.4	4.0	3.5	2.6	2.2	1.3	1.3
T4-S3-04-A	100.0	100.0	100.0	100.0	99.9	99.8	99.6	97.7	78.9	52.9	44.6	37.2	29.8	25.9	18.1	14.9	11.8	7.1	4.7
T4-S3-04-B	100.0	100.0	100.0	100.0	100.0	100.0	99.5	95.5	55.9	15.2	7.7	5.0	3.5	3.1	2.2	2.2	1.3	0.4	0.4
T4-S3-04-C	100.0	100.0	99.5	99.5	99.2	98.7	98.2	96.8	77.8	42.9	29.2	21.5	13.9	10.8	9.4	7.2	5.8	3.1	2.2
T4-S3-04-D	100.0	100.0	100.0	100.0	100.0	100.0	99.6	96.6	63.0	17.2	5.9	3.1	2.2	1.7	1.3	0.9	0.4	0.4	0.4
T4-WB-01	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.3	98.8	98.1	93.2	62.2	51.0	37.5	30.3	23.9	14.3	10.4
T4-WB-02	100.0	100.0	99.4	99.4	99.4	99.4	99.1	98.7	93.4	70.4	55.4	47.0	37.7	28.3	22.0	16.5	14.9	9.4	5.5
T4-WB-04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	94.2	91.3	81.8	54.1	44.8	34.0	28.6	22.4	13.9	9.3

Testing performed according to ASTM D421/D422

JQ36

ANALYTICAL RESOURCES INCORPORATED

Anchor Environmental
T4 Early Action, 050332-01

Percent Retained in Each Size Fraction

Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Very Coarse Silt	% Coarse Silt	% Medium Silt	% Fine Silt	% Fine Silt	% Very Fine Silt	% Clay
Particle Size (microns)	> 4750	4750-2000	2000-425	425-75	75-32	32-22	22-13	13-9	9-7	7-3.2	<3.2
T4-WB-03	0.0	0.0	0.5	6.9	26.6	12.9	12.1	5.6	7.3	8.9	19.3
T4-WB-03	0.0	0.0	0.4	6.9	28.4	13.5	11.1	7.9	4.8	9.5	17.5
T4-WB-03	0.0	0.0	0.5	6.5	27.5	15.4	12.1	7.3	5.7	8.9	16.2
T4-S3-07-B	0.0	0.0	1.1	12.9	23.6	7.0	12.5	7.8	7.0	9.4	18.7
T4-S3-07-C	0.0	0.0	1.3	11.0	16.5	11.5	10.0	9.2	7.7	12.3	20.7
T4-S3-07-D	0.0	0.1	15.4	32.2	7.6	7.8	7.8	5.7	4.3	7.1	12.0
T4-S3-07-E	0.0	0.2	34.6	59.7	1.1	0.4	0.4	0.9	0.4	0.9	1.3
T4-S3-04-A	0.2	0.2	20.6	41.7	7.4	3.9	7.8	3.1	3.1	4.7	7.1
T4-S3-04-B	0.0	0.5	43.6	50.9	1.5	0.4	0.9	0.0	0.9	0.9	0.4
T4-S3-04-C	1.3	0.4	20.5	56.3	7.6	3.1	1.3	2.2	1.3	2.7	3.1
T4-S3-04-D	0.0	0.4	36.6	60.0	0.9	0.4	0.4	0.4	0.4	0.0	0.4
T4-WB-01	0.0	0.1	0.7	6.0	31.1	11.2	13.6	7.2	6.4	9.6	14.3
T4-WB-02	0.6	0.3	5.8	46.4	9.3	9.4	6.3	5.5	1.6	5.5	9.4
T4-WB-04	0.0	0.0	1.1	17.1	27.7	9.3	10.8	5.4	6.2	8.5	13.9

JQ36

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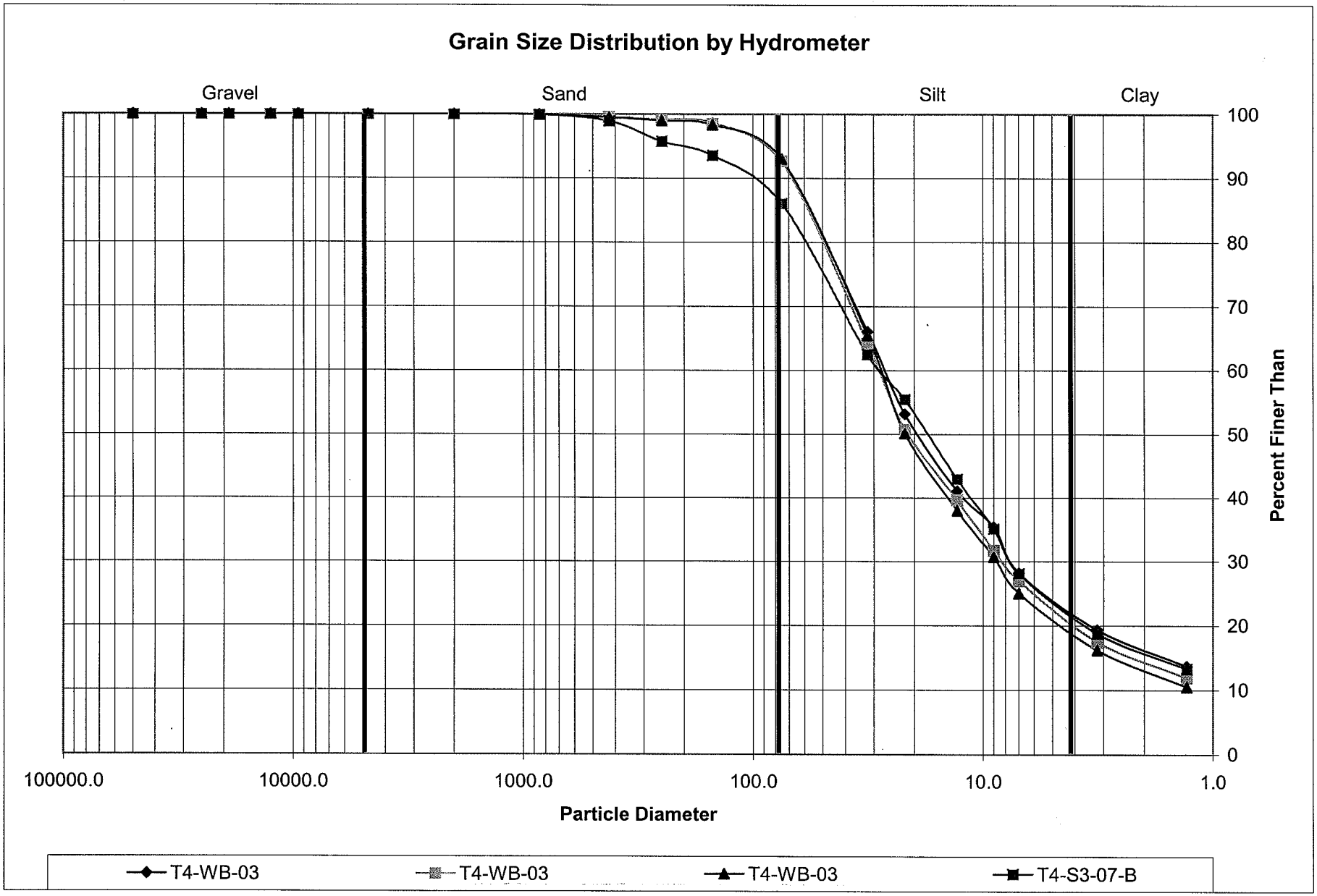
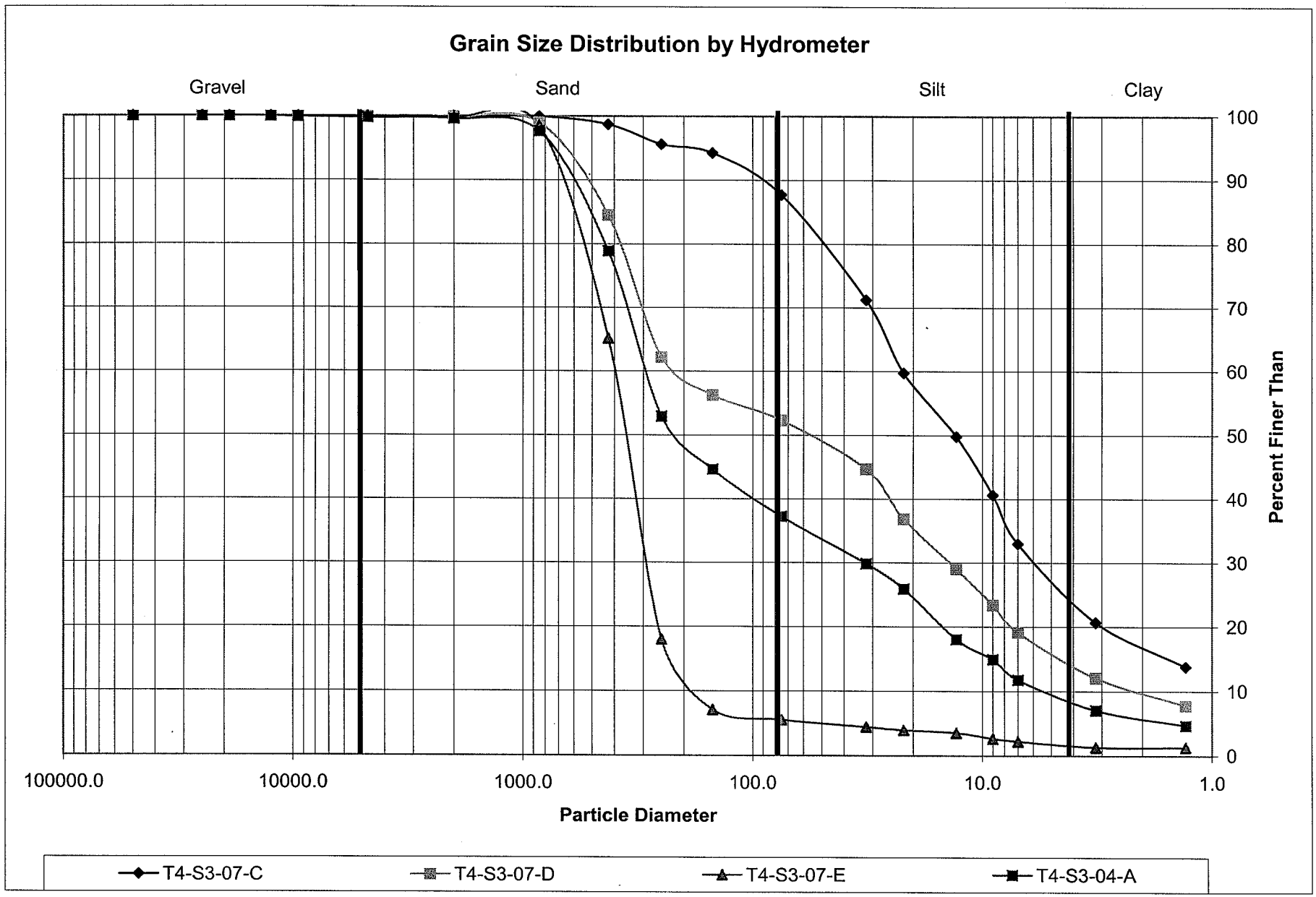


ANALYTICAL RESOURCES INCORPORATED



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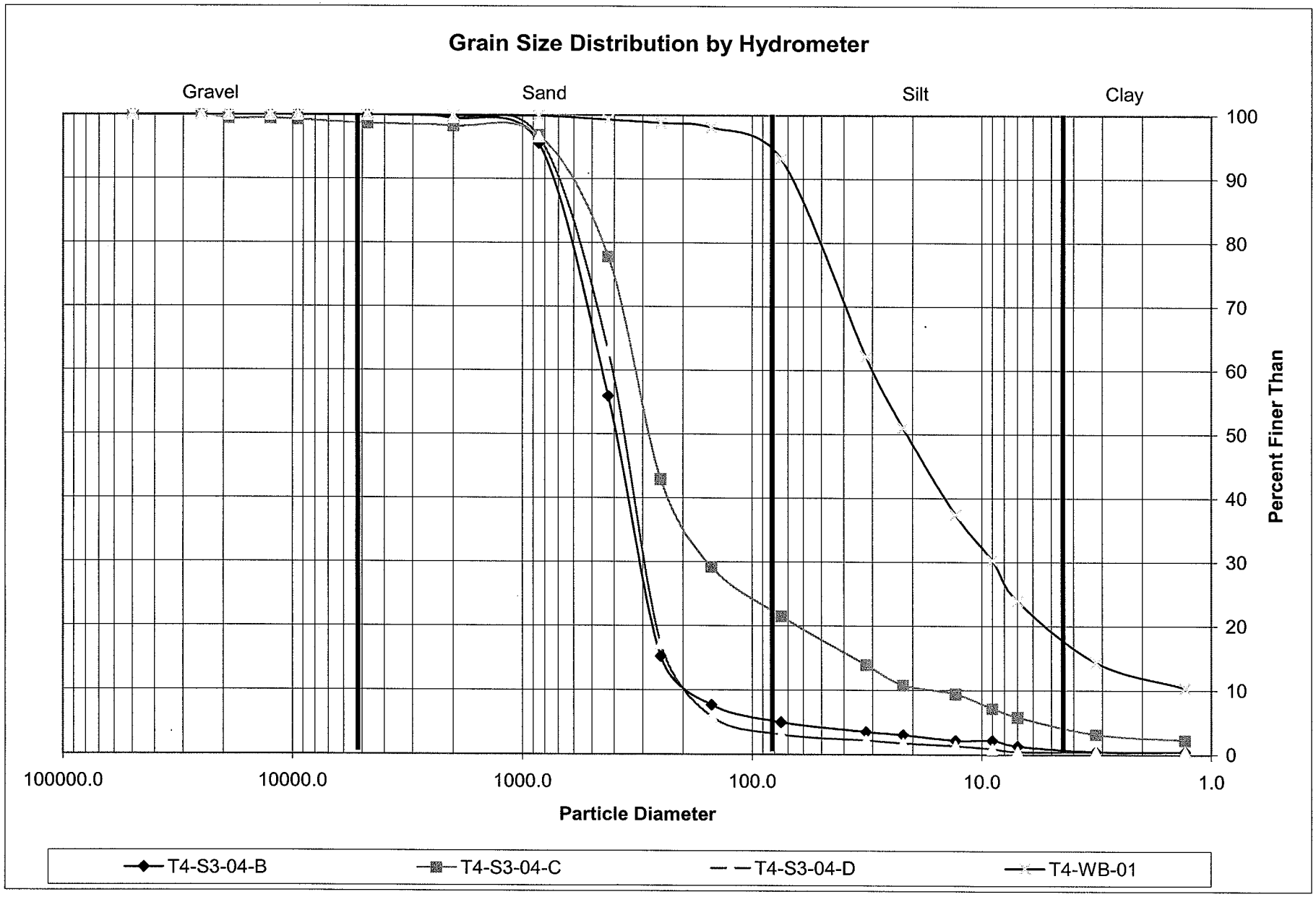

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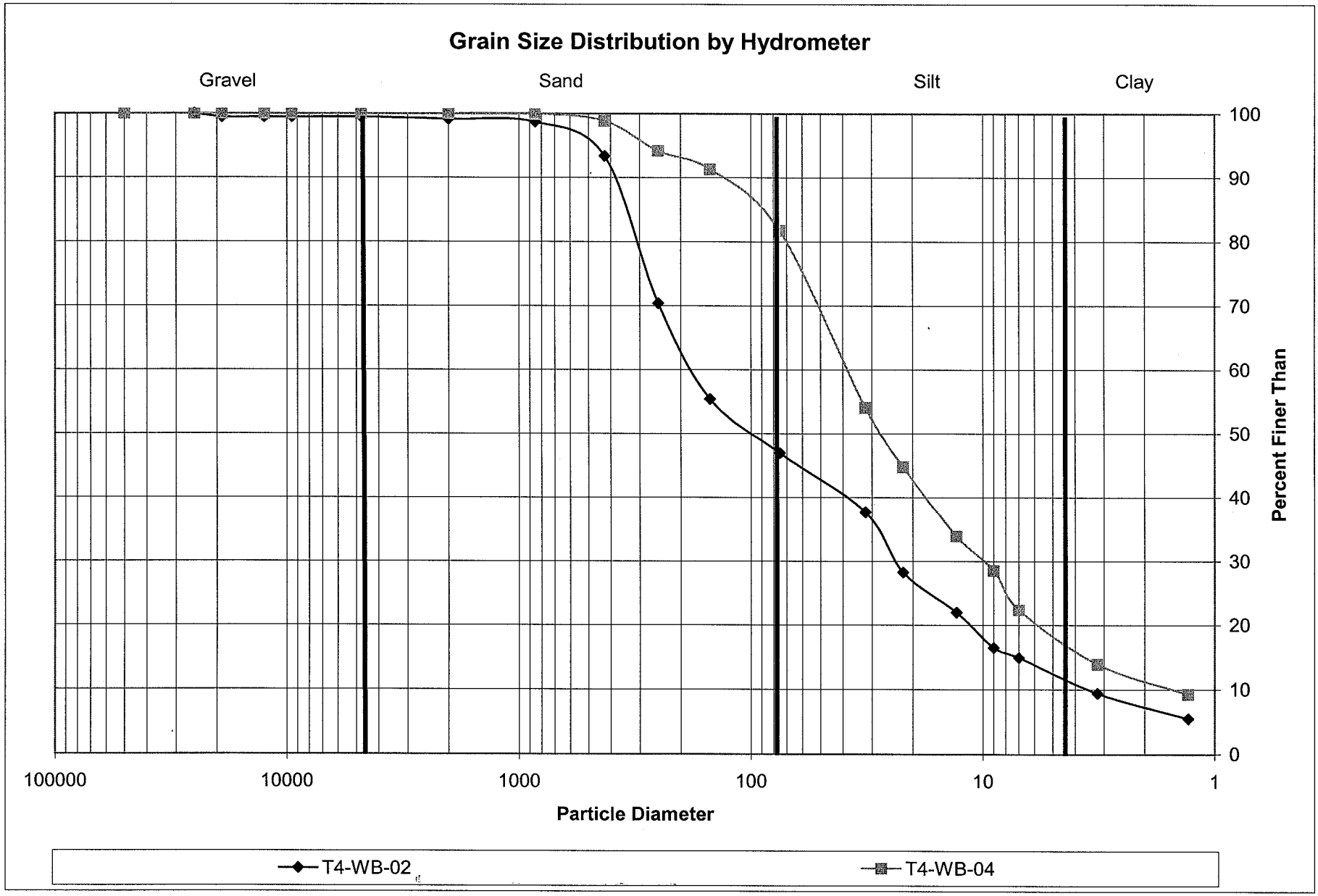

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: K-1
Client Sample Number: TA-WB-03
Description: SILT
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	K-1
Tare Weight	1.45
Wet Soil + Tare (g)	25.58
Dry Soil + Tare (g)	24.45

Tare Number	JQ36K-1
Tare Weight (g)	10.44
Weight Total Sample (g) (Air-dried, not sieved)	100.05
Weight Hydro Test Sample (g)	65.19
Tare + Oven Dry Plus #10 (g)	10.41
Tare + Oven Dry After # 200 Wash (g)	17.08

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: EF
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	8:48:00	START				
	8:49:00	1	51.5	4.5	22	T
	8:50:00	2	45.5	4.5	22	T
	8:53:00	5	37.5	4.5	22	T
	9:03:00	15	30	4.5	22	T
	9:18:00	30	26.5	4.5	22	
	9:48:00	60	22	4.5	22	
	12:58:00	250	16.5	4.5	23	
	8:48:00	1440	13	4.5	23	

Sieve Analysis
Date Sieved: 8/7/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.45
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	
#20	10.48
#40	10.73
#60	10.99
#100	11.34
#200	15.01
Pan	17.11

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: K-2
Client Sample Number:
Description:
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	K-2
Tare Weight	1.44
Wet Soil + Tare (g)	26.64
Dry Soil + Tare (g)	25.41

Tare Number	K-2
Tare Weight (g)	10.46
Weight Total Sample (g) (Air-dried, not sieved)	102.10
Weight Hydro Test Sample (g)	66.33
Tare + Oven Dry Plus #10 (g)	10.46
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	16.34

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: 1BA
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	8:57:00	START				
	8:58:00	1	53	4.5	22	T
	8:59:00	2	45	4.5	22	T
	9:02:00	5	36.5	4.5	22	T
	9:12:00	15	29.5	4.5	22	T
	9:27:00	30	24.5	4.5	22.5	
	9:57:00	60	21.5	4.5	22.5	
	13:07:00	250	15.5	4.5	23	
	8:57:00	1440	12	4.5	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.45
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	
#20	10.48
#40	10.73
#60	11.01
#100	11.42
#200	15.07
Pan	16.39

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: K-3
Client Sample Number:
Description: SILT
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	K-3
Tare Weight	1.50
Wet Soil + Tare (g)	25.08
Dry Soil + Tare (g)	23.92

Tare Number	K-3
Tare Weight (g)	10.47
Weight Total Sample (g) (Air-dried, not sieved)	99.34
Weight Hydro Test Sample (g)	65.12
Tare + Oven Dry Plus #10 (g)	~~25.09~~ 10.45 (tm)
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	17.07

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: BW
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	9:06:00	START				
	9:07:00	1	52	4.5	22	T
	9:08:00	2	45	4.5	22	T
	9:11:00	5	35.5	4.5	22	T
	9:21:00	15	28	4.5	22	
	9:36:00	30	23.5	4.5	22	
	10:06:00	60	20	4.5	22	
	13:16:00	250	14.5	4.5	23	
	9:06:00	1440	11	4.5	23	

Sieve Analysis
Date Sieved: 8/7/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.45
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	
#20	10.50
#40	10.77
#60	11.08
#100	11.47
#200	14.77
Pan	17.09

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: A
Client Sample Number: T4-S3-07-B
Description: Si, Some Woody Matter
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	A
Tare Weight	1.49
Wet Soil + Tare (g)	29.16
Dry Soil + Tare (g)	27.99

Tare Number	JQ36A
Tare Weight (g)	10.53
Weight Total Sample (g) (Air-dried, not sieved)	122.83
Weight Hydro Test Sample (g)	~~10.53~~ 66.92
Tare + Oven Dry Plus #10 (g)	~~6~~ 10.52
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	20.45

tm

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: U
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
	10:09:00	START			
	10:10:00	1	51.5	4.5	22.5
	10:11:00	2	44.5	4.5	22.5
	10:14:00	5	40	4.5	22.5
	10:24:00	15	32	4.5	22.5
	10:39:00	30	27	4.5	22.5
	11:09:00	60	22.5	4.5	23
	14:19:00	250	16.5	4.5	23
	10:09:00	1440	13	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.52
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	
#20	10.56
#40	11.21
#60	13.24
#100	14.65
#200	19.46
Pan	20.47

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: 1036 ARI Sample No.: B
Client Sample Number: T4-53-07-C
Description: Si, Some CLAY
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	B
Tare Weight	1.49
Wet Soil + Tare (g)	29.20
Dry Soil + Tare (g)	27.92

Tare Number	1036B
Tare Weight (g)	10.42
Weight Total Sample (g) (Air-dried, not sieved)	137.42
Weight Hydro Test Sample (g)	68.52
Tare + Oven Dry Plus #10 (g)	10.41
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	19.44

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: AC
Hydro #: 199344
Calgon Batch #: 137

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	9:55:00	START				
	9:56:00	1	55.537 gs	4.5	22.5	F
	9:57:00	2	51	4.5	22.5	F
	10:00:00	5	43.5	4.5	22.5	F
	10:10:00	15	37	4.5	22.5	F
	10:25:00	30	31	4.5	22.5	
	10:55:00	60	26	4.5	23	
	14:05:00	250	18	4.5	23	
	9:55:00	1440	13.5	4	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.41
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	
#20	10.45
#40	11.27
#60	13.27
#100	14.15
#200	18.43
Pan	19.52

20
30
40
50

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: C
Client Sample Number: T4-5307-D
Description: SILT
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	C
Tare Weight	1.49
Wet Soil + Tare (g)	28.39
Dry Soil + Tare (g)	27.49

Tare Number	JQ36C
Tare Weight (g)	10.42
Weight Total Sample (g) (Air-dried, not sieved)	135.43
Weight Hydro Test Sample (g)	73.05
Tare + Oven Dry Plus #10 (g)	10.49
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	44.67

Date Set Up 8/1/06
Technician: tm
Hydro Beaker: W
Hydro #: 199344
Calgon Batch #: 137

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	10:04:00	START				
	10:05:00	1	39.5 ~~30.5~~	4.5	22.5	F
	10:06:00	2	30	4.5	22.5	F
	10:09:00	5	30.5	4.5	22.5	F
	10:19:00	15	25	4.5	22.5	
	10:34:00	30	21	4.5	23	
	11:04:00	60	18	4.5	23	
	14:14:00	250	13	4.5	23	
	10:04:00	1440	10	4.5	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.42
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	10.49
#20	11.16
#40	21.37
#60	37.13
#100	41.35
#200	44.15
Pan	44.77

10
20
30

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: D
Client Sample Number: T4-S3-07-F
Description: SAND, Some SILT
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	D
Tare Weight	1.50
Wet Soil + Tare (g)	28.36
Dry Soil + Tare (g)	27.97

Tare Number	JQ36D
Tare Weight (g)	10.46
Weight Total Sample (g) (Air-dried, not sieved)	173.34
Weight Hydro Test Sample (g)	115.06
Tare + Oven Dry Plus #10 (g)	10.88
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	118.02

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: 21
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
	10:00:00	START			
	10:01:00	1	12	4.5	22.5
	10:02:00	2	9.5	4.5	22.5
	10:05:00	5	9	4.5	22.5
	10:15:00	15	8.5	4.5	22.5
	10:30:00	30	7.5	4.5	23
	11:00:00	60	7	4.5	23
	14:10:00	250	6	4.5	23
	10:00:00	1440	6	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.47
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	10.84
#20	12.29
#40	50.13
#60	103.77
#100	116.16
#200	117.95
Pan	118.05

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: E
Client Sample Number: T4-S3-04-890 A
Description: SILT, WOODY MATTER
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	E
Tare Weight	1.49
Wet Soil + Tare (g)	30.67
Dry Soil + Tare (g)	29.71

Tare Number	JQ36E
Tare Weight (g)	10.48
Weight Total Sample (g) (Air-dried, not sieved)	134.95
Weight Hydro Test Sample (g)	65.68
Tare + Oven Dry Plus #10 (g)	11.04
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	51.09

Date Set Up 8/1/06
Technician: TM
Hydro Beaker: C
Hydro #: 115170
Calgon Batch #: 136

	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
Place	9:51:00	START			
	9:52:00	1	26.5	4.5	22.5
	9:53:00	2	23.5	4.5	22.5
	9:56:00	5	21	4.5	22.5
	10:06:00	15	16	4.5	22.5
	10:21:00	30	14	4.5	22.5
	10:51:00	60	12	4.5	23
	14:01:00	250	9	4.5	23
	9:51:00	1440	7.5	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: TM Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.49
2"	
1"	
3/4	
1/2	
3/8	10.62
#4	10.73
#10	10.99
#20	12.22
#40	24.16
#60	40.76
#100	46.04
#200	50.75
Pan	51.33

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: F
Client Sample Number: T4-S3-04-B
Description: SAND, FEW pebbles
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	F
Tare Weight	1.50
Wet Soil + Tare (g)	27.87
Dry Soil + Tare (g)	27.44

Tare Number	JQ36F
Tare Weight (g)	10.35
Weight Total Sample (g) (Air-dried, not sieved)	164.77
Weight Hydro Test Sample (g)	115.82
Tare + Oven Dry Plus #10 (g)	11.18
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	119.65

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: BA
Hydro #: 199344
Calgon Batch #: 137

Place

8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
9:37:00	START			
9:38:00	1	8.5	4.5	22.5
9:39:00	2	8.5	4.5	22.5
9:42:00	5	8	4.5	22.5
9:52:00	15	7	4.5	22.5
10:07:00	30	7	4.5	22.5
10:37:00	60	6	4.5	23
13:47:00	250	5	4.5	23
9:37:00	1440	5	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.35
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	11.11
#20	15.65
#40	60.99
#60	107.60
#100	116.23
#200	119.31
Pan	119.52

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: G
Client Sample Number: T4-53-04-ØC 96
Description: SAND, SILT, WOODY MATTER
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	G
Tare Weight	1.48
Wet Soil + Tare (g)	27.20
Dry Soil + Tare (g)	26.60

Tare Number	JQ36G
Tare Weight (g)	10.56
Weight Total Sample (g) (Air-dried, not sieved)	152.89
Weight Hydro Test Sample (g)	112.11
Tare + Oven Dry Plus #10 (g)	13.24
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	99.51

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: C
Hydro #: 115170
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	9:15:00	START				
	9:16:00	1	22	4.5	22	T
	9:17:00	2	20	4.5	22	T
	9:20:00	5	16.5	4.5	22	T
	9:30:00	15	15.5	4.5	22	
	9:45:00	30	12.5	4.5	22	T
	10:15:00	60	11.5	4.5	22	
	13:25:00	250	8	4.5	23	
	9:15:00	1440	7	4.5	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.54
2"	
1"	
3/4	11.28
1/2	11.28
3/8	11.61
#4	12.41
#10	12.98
#20	14.57
#40	35.78
#60	74.61
#100	89.94
#200	98.49
Pan	99.59

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: H
Client Sample Number: T4-S3-04-D
Description: ~~SILT~~ SAND
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	H
Tare Weight	1.45
Wet Soil + Tare (g)	26.47
Dry Soil + Tare (g)	26.44

Tare Number	JQ36H
Tare Weight (g)	10.47
Weight Total Sample (g) (Air-dried, not sieved)	171.71
Weight Hydro Test Sample (g)	115.84
Tare + Oven Dry Plus #10 (g)	11.27
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	122.16

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: U
Hydro #: 115170
Calgon Batch #: 136

	8/2/06	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
	TIME				
	9:24:00	START			
	9:25:00	1	7.5	4.5	22.5
	9:26:00	2	7	4.5	22.5
Place	9:29:00	5	6.5	4.5	22.5
	9:39:00	15	6	4.5	22.5
	9:54:00	30	5.5	4.5	22.5
	10:24:00	60	5	4.5	22.5
	13:34:00	250	5	4.5	22.5
	9:24:00	1440	5	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.47
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	11.14
#20	14.55
#40	53.10
#60	105.68
#100	118.73
#200	121.93
Pan	122.02

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: I
Client Sample Number: T4-WB01
Description: SILT, Some WOODY MATTER
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	I
Tare Weight	1.47
Wet Soil + Tare (g)	~~26.73~~ 23.83 (tm)
Dry Soil + Tare (g)	22.82

Tare Number	JQ36I
Tare Weight (g)	10.47
Weight Total Sample (g) (Air-dried, not sieved)	~~118.03~~ 98.80 (tm)
Weight Hydro Test Sample (g)	65.73
Tare + Oven Dry Plus #10 (g)	10.51
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	16.57

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: S
Hydro #: 115770
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)
	9:33:00	START			
	9:34:00	1	51	4.5	22.5 T
	9:35:00	2	43.5	4.5	22.5 T
	9:38:00	5	36.5	4.5	22.5
	9:48:00	15	28	4.5	22.5
	10:03:00	30	23.5	4.5	22.5
	10:33:00	60	19.5	4.5	23
	13:43:00	250	13.5	4.5	23
	9:33:00	1440	11	4.5	23

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.47
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	10.53
#20	10.57
#40	10.94
#60	11.27
#100	11.70
#200	14.73
Pan	16.62

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: J036 ARI Sample No.: J
Client Sample Number: T4-WB-02
Description: SILT, WOODY MATTER
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	J
Tare Weight	1.45
Wet Soil + Tare (g)	33.90
Dry Soil + Tare (g)	32.81

Tare Number	J036J
Tare Weight (g)	10.39
Weight Total Sample (g) (Air-dried, not sieved)	124.65
Weight Hydro Test Sample (g)	65.38
Tare + Oven Dry Plus #10 (g)	11.61
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	45.35

Date Set Up 8/1/06
Technician: tm
Hydro Beaker: Y
Hydro #: 199344
Calgon Batch #: 137

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	9:46:00	START				
	9:47:00	1	32	4.5	22.5	F
	9:48:00	2	28.5	4.5	22.5	F
	9:51:00	5	22.5	4.5	22.5	F
	10:01:00	15	18.5	4.5	22.5	F
	10:16:00	30	~~14~~ 15	4.5	22.5	
	10:46:00	60	14	4.5	23	
	13:56:00	250	10.5	4.5	23	
	9:46:00	1440	8	4.5	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 4

Sieve Size	Cumulative Weight
Empty Tare	10.40
2"	
1"	
3/4	11.01
1/2	11.01
3/8	11.01
#4	11.01
#10	11.38 tm
#20	11.65
#40	15.05
#60	29.68
#100	39.25
#200	44.63
Pan	45.43

-105-
25 20

1101F-A
Rev. 0

Hydrometer Analysis - ASTM D-422

ARI Job No.: JQ36 ARI Sample No.: L
Client Sample Number: T4-WB04
Description: SILT
Method of size reduction: Quartering [ ] Sample Splitter [ ] Whole Sample [ ]

Moisture Content	
Tare Number	L
Tare Weight	1.48
Wet Soil + Tare (g)	26.30
Dry Soil + Tare (g)	25.22

Tare Number	JQ36L
Tare Weight (g)	10.43
Weight Total Sample (g) (Air-dried, not sieved)	108.40
Weight Hydro Test Sample (g)	67.77
Tare + Oven Dry Plus #10 (g)	10.42
Tare + Oven Dry After # 200 Wash (g) (Plus #10 Included)	24.34

Date Set Up 7/31/06
Technician: tm
Hydro Beaker: 23
Hydro #: 115770
Calgon Batch #: 136

Place	8/2/06 TIME	Δ Time	Test Cylinder	Calgon Blank	Temp (°C)	
	9:42:00	START				
	9:43:00	1	43	4.5	22.5	T
	9:44:00	2	39.5	4.5	22.5	T
	9:47:00	5	33.5	4.5	22.5	T
	9:57:00	15	26.5	4.5	22.5	
	10:12:00	30	23	4.5	22.5	
	10:42:00	60	19	4.5	23	
	13:52:00	250	13.5	4.5	23	
	9:42:00	1440	10.5	4.5	23	

Sieve Analysis
Date Sieved: 8/4/06 Technician: tm Sieve Set # 3

Sieve Size	Cumulative Weight
Empty Tare	10.45
2"	
1"	
3/4	
1/2	
3/8	
#4	
#10	10.45
#20	10.48
#40	11.19
#60	14.22
#100	16.06
#200	22.26
Pan	24.56

1101F-A
Rev. 0