	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	65 Trans-1,4-Dichloro 2-Butene	53	12.211	12.201	(0.907)	26866	57.5048	57.505
	66 N-Propyl Benzene	91	12.271	12.251	(0.911)	335545	49.4013	49.401
	67 Bromobenzene	156	12.361	12.341	(0.918)	68746	46.8688	46.869
	68 1,3,5-Trimethyl Benzene	105	12.442	12.422	(0.924)	225957	52.9044	52.904
	69 2-Chloro Toluene	91	12.502	12.482	(0.928)	219116	49.0963	49.096
	70 4-Chloro Toluene	91	12.542	12.532	(0.931)	220944	51.6467	51.647
	71 T-Butyl Benzene	119	12.854	12.834	(0.954)	194750	53.2991	53.299
	72 1,2,4-Trimethylbenzene	105	12.904	12.884	(0.958)	224323	53.3523	53.352
	73 S-Butyl Benzene	105	13.095	13.085	(0.972)	300994	50.0714	50.071
	74 4-Isopropyl Toluene	119	13.246	13.226	(0.984)	224528	54.4348	54.435
	75 1,3-Dichlorobenzene	146	13.397	13.377	(0.995)	129176	51.5482	51.548
*	76 d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	78163	50.0000	
	77 1,4-Dichlorobenzene	146	13.507	13.497	(1.003)	127714	50.9308	50.931
	78 N-Butyl Benzene	91	13.718	13.708	(1.019)	242228	54.3833	54.383
$	79 d4-1,2-Dichlorobenzene	152	13.919	13.899	(1.034)	72795	51.2016	51.202
	80 1,2-Dichlorobenzene	146	13.949	13.929	(1.036)	117219	49.2183	49.218
	81 1,2-Dibromo 3-Chloropropane	75	14.854	14.834	(1.103)	12457	47.3598	47.360
	82 1,2,4-Trichlorobenzene	180	15.899	15.879	(1.181)	70848	48.8844	48.884
	83 Hexachloro 1,3-Butadiene	225	16.050	16.040	(1.192)	42972	44.0234	44.023
	84 Naphthalene	128	16.221	16.211	(1.204)	131031	49.8458	49.846
	85 1,2,3-Trichlorobenzene	180	16.512	16.502	(1.226)	63956	46.1574	46.157

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: /chem1/finn5.i/10AUG10.b/LCS0810A.d
Report Date: 10-Aug-2010 15:06

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: LCS0810A.d
Lab Smp Id: LCS0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18196

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: LCS0810
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	120686	-7.95
34 1,4-Difluorobenze	191559	95780	383118	178947	-6.58
52 d5-Chlorobenzene	161199	80600	322398	146633	-9.04
76 d4-1,4-Dichlorobe	88279	44140	176558	78163	-11.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.63	0.30
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.79	0.19
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

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

Data File: /chem1/finn5.i/10AUG10.b/LCS0810A.d
Report Date: 10-Aug-2010 15:06

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: LCS0810
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18196

Client SDG: 10AUG10
Fraction: VOA
Client Smp ID: LCS0810
Operator: PB
SampleType: LCSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.000	37.993	75.99	53-148
2 Chloromethane	50.000	38.685	77.37	64-125
3 Vinyl Chloride	50.000	41.818	83.64	63-137
4 Bromomethane	50.000	57.054	114.11	57-136
5 Chloroethane	50.000	43.420	86.84	64-131
6 Trichlorofluoromet	50.000	45.354	90.71	69-132
7 Acrolein	250.00	256.28	102.51	54-137
8 112Trichloro122Tri	50.000	43.872	87.74	74-130
9 Acetone	250.00	274.32	109.73	60-131
10 1,1-Dichloroethene	50.000	45.783	91.57	75-126
11 Bromoethane	50.000	46.977	93.95	76-126
12 Iodomethane	50.000	53.413	106.83	65-139
13 Methylene Chloride	50.000	41.613	83.23	70-123
15 Carbon Disulfide	50.000	49.194	98.39	71-129
14 Acrylonitrile	50.000	59.427	118.85	67-125
16 Methyl tert-Butyl	50.000	45.732	91.46	70-120
17 Trans-1,2-Dichloro	50.000	45.912	91.82	80-120
18 Vinyl Acetate	50.000	56.307	112.61	60-136
19 1,1-Dichloroethane	50.000	48.137	96.27	80-120
20 2-Butanone	250.00	288.03	115.21	70-120
21 2,2-Dichloropropan	50.000	41.204	82.41	74-123
22 Cis-1,2-Dichloroet	50.000	47.721	95.44	80-120
24 Chloroform	50.000	46.225	92.45	80-120
26 Bromochloromethane	50.000	48.442	96.88	80-120
27 1,1,1-Trichloroeth	50.000	42.070	84.14	77-121
29 1,1-Dichloropropen	50.000	44.343	88.69	80-120
30 Carbon Tetrachlori	50.000	41.229	82.46	77-122
32 1,2-Dichloroethane	50.000	48.223	96.45	76-120
33 Benzene	50.000	47.193	94.39	80-120
35 Trichloroethene	50.000	43.504	87.01	80-120
36 1,2-Dichloropropan	50.000	45.320	90.64	80-120
37 Bromodichlorometha	50.000	45.488	90.98	77-121
39 Dibromomethane	50.000	48.010	96.02	80-120

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
40 2-Chloroethyl Viny	50.000	55.592	111.18	10-191
41 4-Methyl-2-Pentano	250.00	258.24	103.30	67-120
42 Cis 1,3-dichloropr	50.000	48.552	97.11	74-120
44 Toluene	50.000	43.392	86.78	80-120
45 Trans 1,3-Dichloro	50.000	47.726	95.45	65-120
46 2-Hexanone	250.00	248.22	99.29	65-130
47 1,1,2-Trichloroeth	50.000	49.503	99.01	80-120
48 1,3-Dichloropropan	50.000	49.201	98.40	80-120
49 Tetrachloroethene	50.000	41.218	82.44	80-121
50 Chlorodibromometha	50.000	46.182	92.36	64-120
51 1,2-Dibromoethane	50.000	47.704	95.41	75-120
53 Chlorobenzene	50.000	44.420	88.84	80-120
55 1,1,1,2-Tetrachlor	50.000	39.498	79.00	69-121
54 Ethyl Benzene	50.000	47.273	94.55	80-127
56 m,p-xylene	100.00	99.897	99.90	80-125
57 o-Xylene	50.000	47.267	94.53	78-120
58 Styrene	50.000	50.723	101.45	80-123
59 Isopropyl Benzene	50.000	51.241	102.48	80-127
60 Bromoform	50.000	47.917	95.83	60-120
61 1,1,2,2-Tetrachlor	50.000	49.034	98.07	74-120
63 1,2,3-Trichloropro	50.000	50.000	100.00	72-121
65 Trans-1,4-Dichloro	50.000	57.505	115.01	65-126
66 N-Propyl Benzene	50.000	49.401	98.80	80-132
67 Bromobenzene	50.000	46.869	93.74	80-120
68 1,3,5-Trimethyl Be	50.000	52.904	105.81	80-125
69 2-Chloro Toluene	50.000	49.096	98.19	80-125
70 4-Chloro Toluene	50.000	51.647	103.29	80-127
71 T-Butyl Benzene	50.000	53.299	106.60	87-122
72 1,2,4-Trimethylben	50.000	53.352	106.70	80-126
73 S-Butyl Benzene	50.000	50.071	100.14	80-134
74 4-Isopropyl Toluen	50.000	54.435	108.87	80-131
75 1,3-Dichlorobenzen	50.000	51.548	103.10	80-120
77 1,4-Dichlorobenzen	50.000	50.931	101.86	80-120
78 N-Butyl Benzene	50.000	54.383	108.77	80-138
80 1,2-Dichlorobenzen	50.000	49.218	98.44	80-120
81 1,2-Dibromo 3-Chlo	50.000	47.360	94.72	59-120
82 1,2,4-Trichloroben	50.000	48.884	97.77	78-130
83 Hexachloro 1,3-But	50.000	44.023	88.05	76-129
84 Naphthalene	50.000	49.846	99.69	66-120
85 1,2,3-Trichloroben	50.000	46.157	92.31	73-123

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.463	102.93	30-160

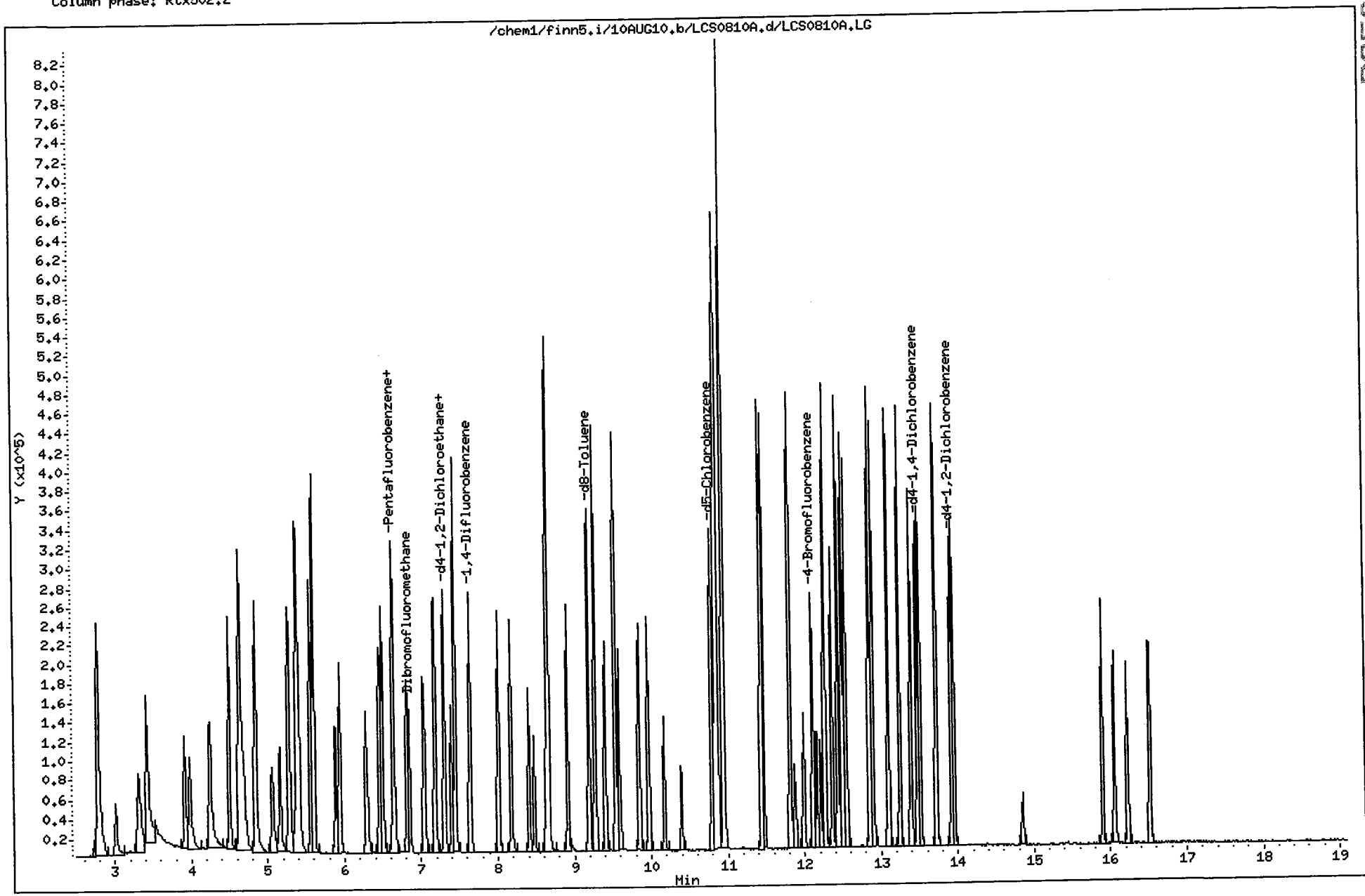
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 31 d4-1,2-Dichloroeth	50.000	53.668	107.34	75-152
$ 43 d8-Toluene	50.000	51.148	102.30	82-115
$ 62 4-Bromofluorobenze	50.000	49.608	99.22	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.202	102.40	80-120

Data File: /chem1/finn5.i/10AUG10.b/LCS0810A.d
Date : 10-AUG-2010 11:37
Client ID: LCS0810
Sample Info: LCS0810,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/MB0810.d
Lab Smp Id: MB0810 Client Smp ID: MB0810
Inj Date : 10-AUG-2010 12:06
Operator : PB Inst ID: finn5.i
Smp Info : MB0810,5,5,0
Misc Info : 10-18196
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 10-Aug-2010 15:05 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	5.00000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.683	4.663	(0.707)	2133	3.31880	3.319
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	Compound Not Detected.					
14 Acrylonitrile	53	Compound Not Detected.					

Data File: /chem1/finn5.i/10AUG10.b/MB0810.d
Report Date: 10-Aug-2010 15:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.					
	18 Vinyl Acetate	43	Compound Not Detected.					
	19 1,1-Dichloroethane	63	Compound Not Detected.					
	20 2-Butanone	43	6.281	6.271	(0.948)	2573	3.55793	3.558
	21 2,2-Dichloropropane	77	Compound Not Detected.					
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.					
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	114844	50.0000	
	24 Chloroform	83	Compound Not Detected.					
	26 Bromochloromethane	128	Compound Not Detected.					
$	25 Dibromofluoromethane	111	6.844	6.834	(1.033)	70037	51.1677	51.168(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.					
	29 1,1-Dichloropropene	75	Compound Not Detected.					
	30 Carbon Tetrachloride	117	Compound Not Detected.					
$	31 d4-1,2-Dichloroethane	65	7.306	7.296	(1.103)	78734	52.5684	52.568
	32 1,2-Dichloroethane	62	Compound Not Detected.					
	33 Benzene	78	Compound Not Detected.					
*	34 1,4-Difluorobenzene	114	7.638	7.618	(1.000)	162120	50.0000	
	35 Trichloroethene	95	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	39 Dibromomethane	93	Compound Not Detected.					
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.					
	41 4-Methyl-2-Pentanone	58	8.653	8.643	(1.133)	1281	2.98904	2.989(Q)
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.					
$	43 d8-Toluene	98	9.186	9.176	(1.203)	181747	51.0207	51.021
	44 Toluene	92	Compound Not Detected.					
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.					
	46 2-Hexanone	43	Compound Not Detected.					
	47 1,1,2-Trichloroethane	97	Compound Not Detected.					
	48 1,3-Dichloropropane	76	Compound Not Detected.					
	49 Tetrachloroethene	166	Compound Not Detected.					
	50 Chlorodibromomethane	129	Compound Not Detected.					
	51 1,2-Dibromoethane	107	Compound Not Detected.					
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	136524	50.0000	
	53 Chlorobenzene	112	Compound Not Detected.					
	54 Ethyl Benzene	91	Compound Not Detected.					
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	56 m,p-xylene	106	Compound Not Detected.					
	57 o-Xylene	106	Compound Not Detected.					
	58 Styrene	104	Compound Not Detected.					
	59 Isopropyl Benzene	105	Compound Not Detected.					
	60 Bromoform	173	Compound Not Detected.					
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
$	62 4-Bromofluorobenzene	95	12.110	12.100	(1.123)	74341	46.5274	46.527
	63 1,2,3-Trichloropropane	110	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.467	13.457	(1.000)	66691	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.033)	60675	50.0180	50.018(Q)
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: MB0810.d
Lab Smp Id: MB0810
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18196

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: MB0810
Level: LOW
Sample Type: SOIL

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	114844	-12.41
34 1,4-Difluorobenze	191559	95780	383118	162120	-15.37
52 d5-Chlorobenzene	161199	80600	322398	136524	-15.31
76 d4-1,4-Dichlorobe	88279	44140	176558	66691	-24.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.64	0.26
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.47	0.07

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

Data File: /chem1/finn5.i/10AUG10.b/MB0810.d
Report Date: 10-Aug-2010 15:06

Analytical Resources, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: MB0810
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18196

Client SDG: 10AUG10
Fraction: VOA
Client Smp ID: MB0810
Operator: PB
SampleType: BLANK
Quant Type: ISTD

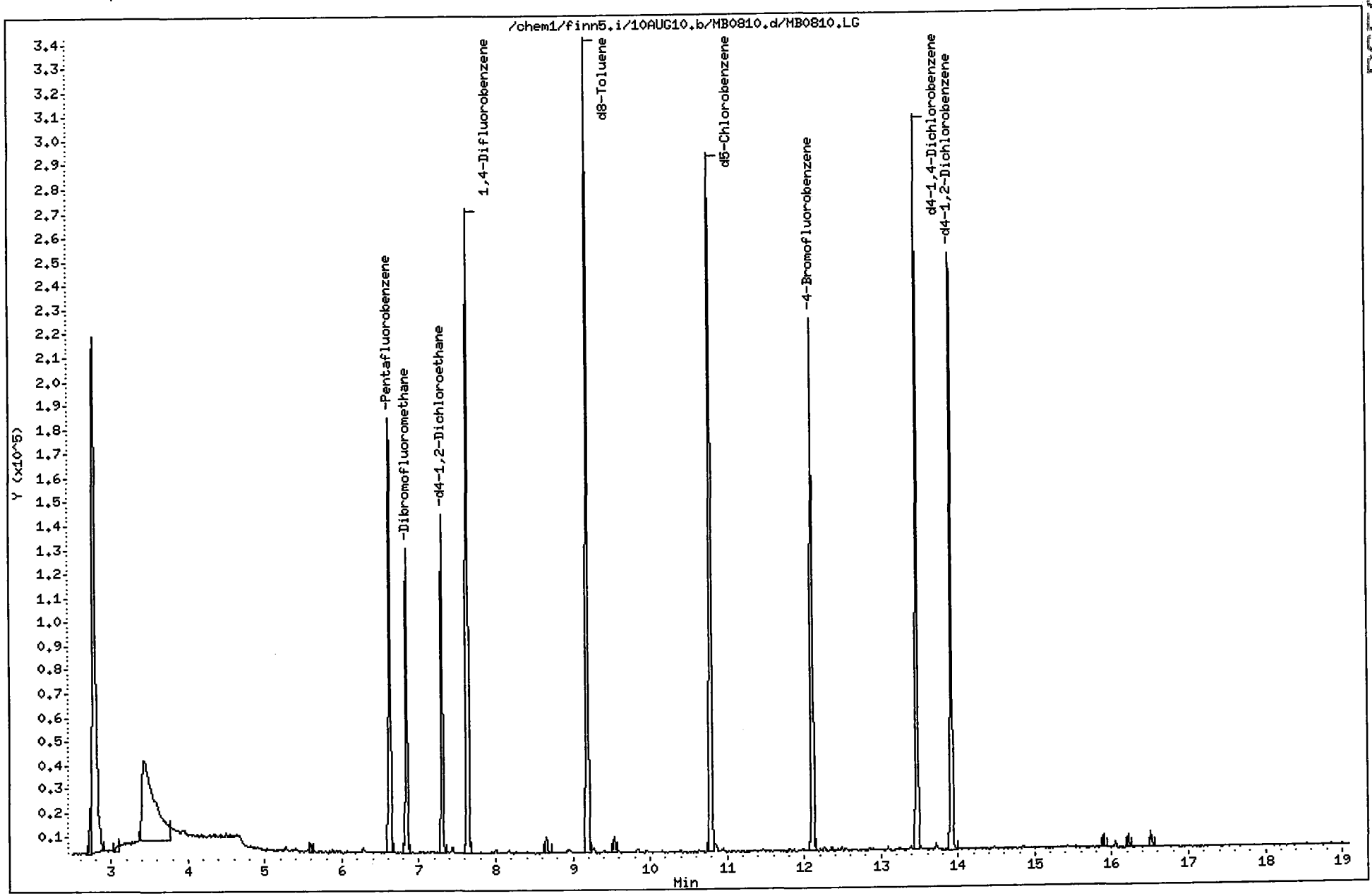
SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	51.168	102.34	30-160
$ 31 d4-1,2-Dichloroeth	50.000	52.568	105.14	75-152
$ 43 d8-Toluene	50.000	51.021	102.04	82-115
$ 62 4-Bromofluorobenze	50.000	46.527	93.05	64-120
$ 79 d4-1,2-Dichloroben	50.000	50.018	100.04	80-120

Data File: /chem1/finn5.i/10AUG10.b/MB0810.d
Date : 10-AUG-2010 12:06
Client ID: MB0810
Sample Info: MB0810,5,5,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2



Analytical Resources, Inc.

8260C

Data file : /chem1/finn5.i/10AUG10.b/RG58S2.d
Lab Smp Id: RG58S Client Smp ID: PSB24-16-17-072910
Inj Date : 10-AUG-2010 12:35
Operator : PB Inst ID: finn5.i
Smp Info : RG58S,5,11.45,0
Misc Info : 10-18254
Comment :
Method : /chem1/finn5.i/10AUG10.b/s8260b.m
Meth Date : 10-Aug-2010 15:05 patrickb Quant Type: ISTD
Cal Date : 23-JUL-2010 17:18 Cal File: 2000723.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: voa.sub
Target Version: 3.50
Processing Host: cserv3

Concentration Formula: Amt * DF * Pv * 1 / (Sa * ((100 - M) / 100)) * CpndVaria

Name	Value	Description
DF	1.00000	Dilution Factor
Pv	5.00000	Purge Volume
Sa	11.45000	Sample Amount
M	0.00000	Moisture (%)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
7 Acrolein	56	Compound Not Detected.					
8 112Trichloro122Trifluoroethane	101	Compound Not Detected.					
9 Acetone	43	4.673	4.663	(0.706)	18001	29.4945	12.880
10 1,1-Dichloroethene	96	Compound Not Detected.					
11 Bromoethane	108	Compound Not Detected.					
12 Iodomethane	142	Compound Not Detected.					
13 Methylene Chloride	84	5.266	5.266	(0.795)	6606	2.83989	1.240
14 Acrylonitrile	53	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)	
	16 Methyl tert-Butyl Ether	73	Compound Not Detected.						
	15 Carbon Disulfide	76	Compound Not Detected.						
	17 Trans-1,2-Dichloroethene	96	Compound Not Detected.						
	18 Vinyl Acetate	43	Compound Not Detected.						
	19 1,1-Dichloroethane	63	Compound Not Detected.						
	20 2-Butanone	43	6.271	6.271	(0.947)	1756	2.55704	1.117	
	21 2,2-Dichloropropane	77	Compound Not Detected.						
	22 Cis-1,2-Dichloroethene	96	Compound Not Detected.						
*	23 Pentafluorobenzene	168	6.623	6.613	(1.000)	109057	50.0000		
	24 Chloroform	83	Compound Not Detected.						
	26 Bromochloromethane	128	Compound Not Detected.						
$	25 Dibromofluoromethane	111	6.834	6.834	(1.032)	69605	53.5505	23.384	(Q)
	27 1,1,1-Trichloroethane	97	Compound Not Detected.						
	29 1,1-Dichloropropene	75	Compound Not Detected.						
	30 Carbon Tetrachloride	117	Compound Not Detected.						
$	31 d4-1,2-Dichloroethane	65	7.296	7.296	(1.102)	86621	60.9033	26.595	
	32 1,2-Dichloroethane	62	Compound Not Detected.						
	33 Benzene	78	Compound Not Detected.						
*	34 1,4-Difluorobenzene	114	7.628	7.618	(1.000)	158794	50.0000		
	35 Trichloroethene	95	Compound Not Detected.						
	36 1,2-Dichloropropane	63	Compound Not Detected.						
	37 Bromodichloromethane	83	Compound Not Detected.						
	39 Dibromomethane	93	Compound Not Detected.						
	40 2-Chloroethyl Vinyl Ether	63	Compound Not Detected.						
	41 4-Methyl-2-Pentanone	58	Compound Not Detected.						
	42 Cis 1,3-dichloropropene	75	Compound Not Detected.						
$	43 d8-Toluene	98	9.176	9.176	(1.203)	182683	52.3576	22.864	
	44 Toluene	92	9.266	9.256	(1.215)	1370	0.44283	0.1934	
	45 Trans 1,3-Dichloropropene	75	Compound Not Detected.						
	46 2-Hexanone	43	Compound Not Detected.						
	47 1,1,2-Trichloroethane	97	Compound Not Detected.						
	48 1,3-Dichloropropane	76	Compound Not Detected.						
	49 Tetrachloroethene	166	Compound Not Detected.						
	50 Chlorodibromomethane	129	Compound Not Detected.						
	51 1,2-Dibromoethane	107	Compound Not Detected.						
*	52 d5-Chlorobenzene	117	10.784	10.774	(1.000)	136121	50.0000		
	53 Chlorobenzene	112	Compound Not Detected.						
	54 Ethyl Benzene	91	Compound Not Detected.						
	55 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.						
	56 m,p-xylene	106	Compound Not Detected.						
	57 o-Xylene	106	Compound Not Detected.						
	58 Styrene	104	Compound Not Detected.						
	59 Isopropyl Benzene	105	Compound Not Detected.						
	60 Bromoform	173	Compound Not Detected.						
	61 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.						
$	62 4-Bromofluorobenzene	95	12.100	12.100	(1.122)	78212	49.0950	21.439	
	63 1,2,3-Trichloropropane	110	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/Kg)	CONCENTRATIONS FINAL (ug/Kg)
65	Trans-1,4-Dichloro 2-Butene	53	Compound Not Detected.					
66	N-Propyl Benzene	91	Compound Not Detected.					
67	Bromobenzene	156	Compound Not Detected.					
68	1,3,5-Trimethyl Benzene	105	Compound Not Detected.					
69	2-Chloro Toluene	91	Compound Not Detected.					
70	4-Chloro Toluene	91	Compound Not Detected.					
71	T-Butyl Benzene	119	Compound Not Detected.					
72	1,2,4-Trimethylbenzene	105	Compound Not Detected.					
73	S-Butyl Benzene	105	Compound Not Detected.					
74	4-Isopropyl Toluene	119	Compound Not Detected.					
75	1,3-Dichlorobenzene	146	Compound Not Detected.					
* 76	d4-1,4-Dichlorobenzene	152	13.457	13.457	(1.000)	67577	50.0000	
77	1,4-Dichlorobenzene	146	Compound Not Detected.					
78	N-Butyl Benzene	91	Compound Not Detected.					
$ 79	d4-1,2-Dichlorobenzene	152	13.909	13.899	(1.034)	63822	51.9224	22.674
80	1,2-Dichlorobenzene	146	Compound Not Detected.					
81	1,2-Dibromo 3-Chloropropane	75	Compound Not Detected.					
82	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
83	Hexachloro 1,3-Butadiene	225	Compound Not Detected.					
84	Naphthalene	128	Compound Not Detected.					
85	1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: finn5.i
Lab File ID: RG58S2.d
Lab Smp Id: RG58S
Analysis Type: VOA
Quant Type: ISTD
Operator: PB
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18254

Calibration Date: 10-AUG-2010
Calibration Time: 10:38
Client Smp ID: PSB24-16-17-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	131115	65558	262230	109057	-16.82
34 1,4-Difluorobenze	191559	95780	383118	158794	-17.10
52 d5-Chlorobenzene	161199	80600	322398	136121	-15.56
76 d4-1,4-Dichlorobe	88279	44140	176558	67577	-23.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
23 Pentafluorobenzen	6.61	6.11	7.11	6.62	0.15
34 1,4-Difluorobenze	7.62	7.12	8.12	7.63	0.13
52 d5-Chlorobenzene	10.77	10.27	11.27	10.78	0.09
76 d4-1,4-Dichlorobe	13.46	12.96	13.96	13.46	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58S
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: voa.sub
Method File: /chem1/finn5.i/10AUG10.b/s8260b.m
Misc Info: 10-18254

Client SDG: RG58
Fraction: VOA
Client Smp ID: PSB24-16-17-072910
Operator: PB
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	AMOUNT ADDED ug/Kg	AMOUNT RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 25 Dibromofluorometha	50.000	53.550	107.10	30-160
$ 31 d4-1,2-Dichloroeth	50.000	60.903	121.81	75-152
$ 43 d8-Toluene	50.000	52.358	104.72	82-115
$ 62 4-Bromofluorobenze	50.000	49.095	98.19	64-120
$ 79 d4-1,2-Dichloroben	50.000	51.922	103.84	80-120

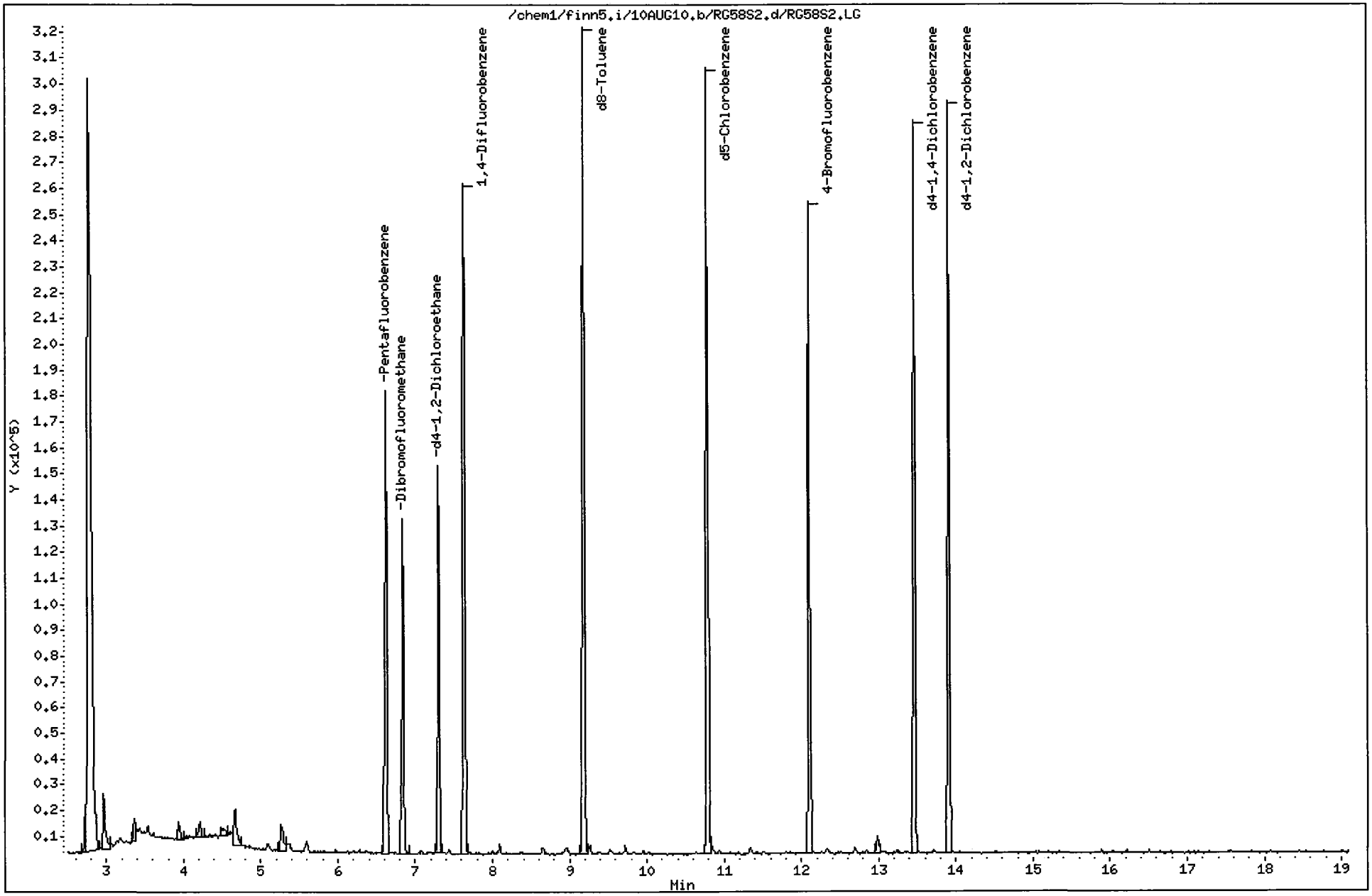
Data File: /chem1/finn5.i/10AUG10.b/RG58S2.d
Date : 10-AUG-2010 12:35
Client ID: PSB24-16-17-072910
Sample Info: RG58S,5,11.45,0

Instrument: finn5.i

Operator: PB
Column diameter: 0.18

Column phase: Rtx502.2

RG58S00562



Semivolatile PAH Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG58

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

(8270) PNA Soil / Sediment
Sonication (3550B) (SOP # 3304S)

PSDDA (2# ppb)
~~In-House (67ppb)~~

Preparation Test PNA # 1

ARI Job No(s) RG58

Batch set up by: JV

BP 8/9/10

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (dry wt)	Sonic Horn ID 2594	KD	TurboVap 1 2 3	(Opt) SilicaGel Clean (1:1) Y / N	TurboVap 1 2 3	Final Effective Volume	Volume to Lab	Comments
	RG58 MBS	Date 08/11/10	7.50g	12					0.5mL	0.5mL	Filtered
	SBS	↓	↓	11	↓				↓	↓	
	~~SBS Dup.~~		↓						↓	↓	
1	RG58 A	checked	27.87	10							
1	B		27.13	9							
1	C		28.28	8							
1	D		28.09	7							
1	E		29.20	6							
1	F		31.12	5							
1	G		27.92	4							
1	H		27.17	3							
1	I		27.35	2							
1	Ims		27.45	1							
1	Imsd		27.74	12							
1	J		26.06	11							
1	K		28.13	10							
1	L		30.24	9							
1	M		27.44	8							
1	N		27.17	7							
1	O		27.21	6							
1	P		28.59	5							
1	Q		28.58	4							
1	R		29.05	3							
2	S	↓	29.56	2	↓						
Analyst/Date		AR 08/11/10 →			RP 8/12/10			8/12/10 →		→	

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
BAN Surrogate	A	125µL	1/22/11		SP
8270 PNA Spike	20	125µL	12/24/14		SP
Extraction Time:	1410		Balance ID:		

SPECIAL INSTRUCTIONS: 1. Weigh into ~~100mL~~ 250mL beakers. 2. Extract 2X with 1:1 DCM/Acetone. Plus 1 X DCM only.
3. Collect into ~~150mL beaker~~ 250mL flasks with 5-10g sodium sulfate in the bottom + small funnel with pre-rinsed neutral glasswool. NO SODIUM SULFATE. 4. KD (small drying column) to 8mL at 85-90°. 5. Exchange (2 X with 10mL) to Hexane at 100°.
6. TurboVap. 7. Silica Clean-up-Root Beer Color? (All or none) Y / N. 8. TurboVap (if Silica Clean). 9. Vial in DCM.
A. Need Total Solids Y (N) B. ~~Archive~~ Freeze (Y) N

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG 58

Client ID: Floyd / Snider

Parameter: 8270 PNA PSDDA

Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: (Soil)/Sediment/Solid/Other: Soil	WC 8/4/10
☒ No Anomalies (standard soil/sediment) D,F,Q	↓
☒ Wet sediment/sludge= S	↓
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☒ Rocks/Organics= Rock (A,B,C,G,H,I,J,K,L,M,O,P,R,S,T) Organ: C,A,B,C,G,H,I,J,L,M,O,P,R,S	WC 8/4/10
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☐ Other Notes/Comments=	

Semivolatile PAH Raw Data
Initial Calibration

ARI Job ID: RG58

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: QWWL Client ID: ✓

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) (**804S**(SVOA-8270D)) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 (NT-6) NT-8 NT11

Curve Date: 7/23/10 Analysis Start Date: 7/23/10

DFTPP Tune Meets Criteria?	(YES) / NO	Internal Standard Meets Criteria?	(YES) / NO
DDT Breakdown <20%?	(YES) / NO / NA	Method Blank In Control?	YES / NO / (NA)
Peak Tailing Factor ≤2?	(YES) / NO / NA	LCS / LCSD Recovery In Control?	(YES) / NO
ICal acceptable?	(YES) / NO	CCal acceptable?	YES / NO / (NA)
Q flag applied?	YES / (NO)	Q flag applied?	YES / (NO)
Surrogate Recovery in Control?	(YES) / NO	Special Analysis Criteria Met?	YES / NO / (NA)
Manual Integrations for ICal?	(YES) / NO	Manual Integrations for Samples?	Yes / (NO) / (NA)

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

Two compounds @ linear curve fit.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 07/26/10

Reviewer: _____ **Date:** 7/26/10

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Calibration File Names:
Level 1: /chem1/nt6.i/20100723.b/07231002.D
Level 2: /chem1/nt6.i/20100723.b/07231003.D
Level 3: /chem1/nt6.i/20100723.b/07231004.D
Level 4: /chem1/nt6.i/20100723.b/07231001.D
Level 5: /chem1/nt6.i/20100723.b/07231005.D
Level 6: /chem1/nt6.i/20100723.b/07231006.D
Level 7: /chem1/nt6.i/20100723.b/07231007.D

B 07/26/10

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	RRF	% RSD
186 Carbaryl	0.52977	0.47325	0.61814	0.60108	0.60183	0.56738	0.56361	0.56501	8.893
179 n-Decane	1.30295	1.13144	1.17576	1.12634	1.10387	1.04830	1.01836	1.12957	8.229
180 n-Octadecane	0.46718	0.42555	0.43641	0.39738	0.36784	0.33613	0.32003	0.39293	13.806
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

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Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Pentachlorobenzene	0.60186	0.53250	0.55894	0.54825	0.55050	0.53139	0.53253	0.55085	4.523
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 2,3,4,5-tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Butylatedhydroxytoluene	1.30909	1.21610	1.18712	1.11886	1.06955	1.02859	0.95110	1.12577	10.800
132 3,6-Dimethylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
144 alpha-Terpineol	0.25182	0.24104	0.24573	0.23829	0.24115	0.23457	0.22750	0.24001	3.244
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
123 Acetophenone	1.84319	1.73378	1.77490	1.74051	1.72755	1.65306	1.61433	1.72676	4.371
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 1,4-Dioxane	0.59514	0.55269	0.57759	0.57316	0.57745	0.55960	0.56023	0.57084	2.532
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 2,3,4,6-Tetrachlorophenol	0.36744	0.39880	0.41626	0.43155	0.44579	0.45431	0.44511	0.42275	7.341

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
178 2-Benzyl-4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
118 Triphenyl Phosphate	0.22270	0.18490	0.19777	0.23461	0.21824	0.23636	0.23491	0.21850	9.200
117 Butyl Diphenyl Phosphate	0.23132	0.20255	0.20803	0.23443	0.21391	0.22397	0.21525	0.21849	5.428
116 Dibutyl Phenyl Phosphate	0.68627	0.76192	0.76950	0.75246	0.74004	0.71386	0.67452	0.72837	5.142
115 Tributyl Phosphate	1.12856	1.13872	1.13497	1.07164	1.03189	0.98475	0.91681	1.05819	8.054
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
113 Diphenyl Oxide	1.53546	1.31951	1.36647	1.28948	1.22753	1.16194	1.12652	1.28956	10.689
112 Biphenyl	+++++	1.59664	1.63155	1.49389	1.39001	1.27465	1.19789	1.43077	12.189

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
111 Azobenzene (1,2-DP-Hydrazine)	1.57438	1.43424	1.49821	1.42379	1.37937	1.27319	1.32256	1.41510	7.224
110 Tetrachloroguaiacol	+++++	0.14646	0.16171	0.16055	0.15529	0.15347	0.14766	0.15419	4.112
109 3,4,5-Trichloroguaiacol	+++++	0.14975	0.16112	0.15998	0.15730	0.15863	0.15358	0.15673	2.744
181 3,4,6-Trichloroguaiacol	+++++	0.46068	0.51059	0.53282	0.55514	0.56584	0.55567	0.53012	7.434
108 4,5,6-Trichloroguaiacol	+++++	0.22564	0.25405	0.25473	0.25582	0.25861	0.25789	0.25112	5.020
184 3,4-Dichloroguaiacol	+++++	0.41063	0.45682	0.46408	0.48450	0.49162	0.48416	0.46530	6.433
107 4,5-Dichloroguaiacol	+++++	0.29660	0.32878	0.32291	0.31726	0.31810	0.30860	0.31537	3.604
182 4,6-Dichloroguaiacol	+++++	0.51548	0.57045	0.56609	0.57861	0.58642	0.56693	0.56399	4.433
185 4-Chloroguaiacol	+++++	0.53454	0.56196	0.59394	0.59906	0.60299	0.58799	0.58008	4.588

Analytical Resources, Inc.

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Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing
Curve Type : Average

Compound	1.000 Level 1	5.000 Level 2	10.000 Level 3	25.000 Level 4	40.000 Level 5	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
106 Guaiacol	1.31655	1.24004	1.23299	1.18332	1.18795	1.16704	1.12217	1.20715	5.183
105 1-methylnaphthalene	0.74149	0.66501	0.67894	0.64252	0.61983	0.58074	0.55698	0.64079	9.715
151 1,2,4,5-Tetrachlorobenzene	0.80474	0.73406	0.71934	0.70252	0.69462	0.68639	0.65422	0.71370	6.648
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
167 2,2',4,4',5-Pentabromobipheny	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
3 Phenol	1.89881	1.92806	1.75475	1.69716	1.59437	1.52833		
	1.53020						1.70453	9.695
4 Bis(2-Chloroethyl)ether	1.50887	1.36105	1.31022	1.31066	1.26776	1.18856		
	1.19962						1.30667	8.313
6 2-Chlorophenol	1.65200	1.61864	1.51267	1.47180	1.38752	1.35040		
	1.32343						1.47378	8.739
7 1,3-Dichlorobenzene	1.94687	1.78065	1.78276	1.72433	1.67465	1.58381		
	1.52440						1.71678	8.165
9 1,4-Dichlorobenzene	1.86926	1.70537	1.74943	1.70915	1.66135	1.56577		
	1.51292						1.68189	7.011
11 Benzyl alcohol	0.77509	0.79840	0.85212	0.82991	0.81569	0.77911		
	0.79833						0.80695	3.424
12 1,2-Dichlorobenzene	1.81140	1.64005	1.63637	1.54853	1.50623	1.40215		
	1.40328						1.56400	9.333
13 2-Methylphenol	1.38158	1.39693	1.30099	1.28263	1.22315	1.18744		
	1.12503						1.27111	7.847

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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	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
14 2,2'-oxybis(1-Chloropropane)	1.56111	1.45840	1.45760	1.39900	1.35796	1.27681		
	1.24232						1.39331	7.980
15 4-Methylphenol	1.33792	1.43605	1.32248	1.26810	1.21133	1.13770		
	1.07044						1.25486	9.980
16 N-Nitroso-di-n-propylamine	0.96975	0.90964	0.92513	0.89191	0.88013	0.81864		
	0.79055						0.88368	6.974
17 Hexachloroethane	0.69156	0.62895	0.62970	0.61801	0.59719	0.55598		
	0.53161						0.60757	8.670
19 Nitrobenzene	0.49447	0.44806	0.45461	0.43234	0.41483	0.38265		
	0.38832						0.43075	9.139
20 Isophorone	0.74620	0.69226	0.71744	0.69327	0.67659	0.64123		
	0.63503						0.68600	5.768
21 2-Nitrophenol	0.24226	0.25813	0.25659	0.26172	0.25436	0.25160		
	0.24453						0.25274	2.824
22 2,4-Dimethylphenol	0.45174	0.45432	0.43299	0.42026	0.39913	0.38380		
	0.36884						0.41587	7.975
23 Bis(2-Chloroethoxy)methane	0.52038	0.47785	0.50468	0.47961	0.46835	0.44098		
	0.43564						0.47536	6.495

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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	60.000 Level 6	80.000 Level 7	RRF	% RSD	
24 Benzoic acid	+++++	0.25353	0.27552	0.32032	0.32546	0.33540	0.33426	0.30742	11.190	
25 2,4-Dichlorophenol	0.37024	0.39379	0.37568	0.36588	0.35534	0.35112	0.33685	0.36413	5.069	
26 1,2,4-Trichlorobenzene	0.45200	0.40330	0.41475	0.40421	0.39011	0.36396	0.35612	0.39778	8.106	
28 Naphthalene	1.34365	1.20046	1.23378	1.14951	1.08605	0.97778	0.92143	1.13038	13.040	
29 4-Chloroaniline	0.50552	0.47709	0.49634	0.45962	0.44170	0.40294	0.38655	0.45282	10.003	
30 Hexachlorobutadiene	0.25638	0.22668	0.23442	0.23404	0.22968	0.22252	0.22014	0.23198	5.186	
31 4-Chloro-3-methylphenol	0.36042	0.36903	0.36214	0.35815	0.34753	0.33596	0.32412	0.35105	4.578	
32 2-Methylnaphthalene	0.72760	0.63815	0.66651	0.61721	0.59789	0.55861	0.53653	0.62036	10.468	
33 Hexachlorocyclopentadiene	0.20062	0.29421	0.36461	0.40146	0.41997	0.41627	0.41693	0.35915	23.148	<-

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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	60.000 Level 6	RRF	% RSD
	80.000 Level 7							
34 2,4,6-Trichlorophenol	0.43015	0.47052	0.46116	0.47882	0.45477	0.45554		
	0.45431						0.45790	3.343
35 2,4,5-Trichlorophenol	0.47628	0.47205	0.46476	0.48592	0.46888	0.47285		
	0.46652						0.47246	1.505
37 2-Chloronaphthalene	1.54535	1.40750	1.43034	1.34606	1.26852	1.17397		
	1.13390						1.32938	11.042
38 2-Nitroaniline	0.31929	0.32596	0.34177	0.33767	0.33711	0.32812		
	0.32675						0.33095	2.425
39 Dimethylphthalate	1.63732	1.49856	1.57686	1.53153	1.48535	1.40593		
	1.37278						1.50119	6.141
40 Acenaphthylene	2.38812	2.20629	2.26228	2.11737	1.97889	1.77863		
	1.67677						2.05833	12.636
41 2,6-Dinitrotoluene	0.32513	0.34390	0.36822	0.36347	0.36531	0.36325		
	0.36762						0.35670	4.543
43 3-Nitroaniline	0.32531	0.33792	0.35741	0.33779	0.31058	0.26898		
	0.24663						0.31209	12.886
44 Acenaphthene	1.44933	1.31145	1.35758	1.30569	1.26041	1.17354		
	1.13988						1.28541	8.251

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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	60.000 Level 6	RRF	% RSD	
	80.000 Level 7								
45 2,4-Dinitrophenol	+++++	0.15972	0.20982	0.26548	0.28518	0.29643			
	0.29677						0.25223	22.113	<-
46 Dibenzofuran	1.97073	1.74217	1.82392	1.71558	1.65479	1.55243			
	1.49208						1.70738	9.485	
47 4-Nitrophenol	0.14465	0.19170	0.19502	0.19549	0.19673	0.18950			
	0.18556						0.18552	9.937	
48 2,4-Dinitrotoluene	0.41495	0.43227	0.46723	0.47394	0.48074	0.47156			
	0.47542						0.45944	5.510	
49 Fluorene	1.72499	1.50935	1.55160	1.46516	1.39788	1.29602			
	1.23768						1.45467	11.263	
50 Diethylphthalate	1.65609	1.44115	1.46874	1.35703	1.30203	1.29409			
	1.24820						1.39533	10.031	
51 4-Chlorophenyl-phenylether	0.77786	0.71006	0.72927	0.72419	0.71697	0.69184			
	0.68535						0.71936	4.228	
52 4-Nitroaniline	0.31952	0.34487	0.36113	0.34628	0.35407	0.35027			
	0.35598						0.34745	3.896	
53 4,6-Dinitro-2-methylphenol	+++++	0.17800	0.18906	0.20650	0.20336	0.20685			
	0.20459						0.19806	5.985	

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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	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
54 N-Nitrosodiphenylamine	0.76057	0.71351	0.72399	0.68723	0.66721	0.63370	0.60826	0.68493	7.745
56 4-Bromophenyl-phenylether	0.30519	0.28523	0.29802	0.29933	0.29604	0.28568	0.28366	0.29331	2.865
57 Hexachlorobenzene	0.32868	0.30770	0.31766	0.31238	0.30543	0.29668	0.29438	0.30899	3.861
58 Pentachlorophenol	0.11687	0.16065	0.17900	0.20167	0.20189	0.20915	0.20910	0.18262	18.647
60 Phenanthrene	1.45576	1.29440	1.34343	1.25583	1.19585	1.10163	1.04929	1.24231	11.283
61 Anthracene	1.47639	1.34925	1.39267	1.32351	1.24238	1.13218	1.06711	1.28336	11.313
62 Carbazole	1.36692	1.28291	1.30155	1.20074	1.12860	1.04899	1.00778	1.19107	11.334
63 Di-n-butylphthalate	1.55627	1.55895	1.61948	1.54279	1.42773	1.30015	1.21295	1.45976	10.426
64 Fluoranthene	1.46938	1.43951	1.47419	1.40730	1.31885	1.19659	1.11705	1.34612	10.490

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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	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
65 Pyrene	1.49138	1.14703	1.19893	1.29849	1.13413	1.10935	1.05243	1.20453	12.295
67 Butylbenzylphthalate	0.59487	0.51715	0.56810	0.65458	0.58263	0.58548	0.57376	0.58237	6.979
68 Benzo(a)anthracene	1.39098	1.06661	1.10750	1.25843	1.10391	1.09815	1.06749	1.15615	10.590
70 3,3'-Dichlorobenzidine	0.44402	0.35360	0.36752	0.40197	0.35390	0.35362	0.35158	0.37517	9.396
71 Chrysene	1.33967	1.00093	1.04247	1.16040	1.03078	1.01541	0.98576	1.08220	11.749
72 bis(2-Ethylhexyl)phthalate	0.62188	0.63105	0.67615	0.66016	0.63926	0.61152	0.59845	0.63407	4.277
73 Di-n-octylphthalate	1.27928	1.13221	1.13885	1.09382	1.03609	0.97292	0.93556	1.08410	10.667
74 Benzo(b)fluoranthene	1.49258	1.30818	1.42583	1.36294	1.34299	1.22771	1.21188	1.33887	7.544
75 Benzo(k)fluoranthene	1.69142	1.56076	1.49557	1.43389	1.27991	1.16420	1.04777	1.38193	16.524

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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	60.000 Level 6	80.000 Level 7	___ RRF	% RSD
76 Benzo(a)pyrene	1.39809	1.28696	1.36282	1.28220	1.24651	1.15033	1.10139	1.26119	8.455
78 Indeno(1,2,3-cd)pyrene	1.85894	1.70038	1.76063	1.70804	1.67153	1.58151	1.52926	1.68718	6.486
79 Dibenzo(a,h)anthracene	1.37073	1.33009	1.38098	1.33329	1.29862	1.21997	1.14185	1.29650	6.673
80 Benzo(g,h,i)perylene	1.72129	1.54055	1.57913	1.53478	1.50241	1.41521	1.36024	1.52194	7.655
90 N-Nitrosodimethylamine	0.88469	0.84172	0.89111	0.87943	0.86425	0.83117	0.84254	0.86213	2.766
91 Aniline	2.06700	2.01319	2.07738	1.99420	1.93682	1.81178	1.76492	1.95218	6.251
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Benzidine	0.45260	0.44131	0.41100	0.39901	0.33246	0.33127	0.32392	0.38451	14.241
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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	60.000 Level 6	80.000 Level 7	RRF	% RSD
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 Retene	0.44717	0.37047	0.39056	0.44711	0.41452	0.43343	0.41808	0.41733	6.887
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
103 Pyridine	1.33649	1.51578	1.62048	1.61940	1.61272	1.55018	1.53311	1.54116	6.500
187 Total Benzofluoranthenes	1.54483	1.34994	1.36948	1.31896	1.23716	1.13146	1.06285	1.28781	12.488
$ 1 2-Fluorophenol	1.32504	1.31481	1.36463	1.36344	1.32946	1.27501	+++++	1.32873	2.516

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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	60.000 Level 6	80.000 Level 7	RRF	% RSD
$ 137 d8-1,4-Dioxane	0.56856	0.53848	0.55643	0.58008	0.57549	0.56934	0.56922	0.56537	2.462
$ 2 Phenol-d5	1.69382	1.55249	1.59277	1.52515	1.45467	1.38972	+++++	1.53477	6.928
$ 5 2-Chlorophenol-d4	1.47973	1.30309	1.34183	1.27103	1.21380	1.16836	+++++	1.29631	8.421
$ 10 1,2-Dichlorobenzene-d4	0.96853	0.89668	0.93034	0.89435	0.87040	0.83604	+++++	0.89939	5.125
$ 18 Nitrobenzene-d5	0.42483	0.37416	0.39663	0.39082	0.38152	0.36335	+++++	0.38855	5.494
$ 36 2-Fluorobiphenyl	1.65520	1.41789	1.44387	1.37047	1.29517	1.21808	+++++	1.40011	10.705
$ 55 2,4,6-Tribromophenol	0.16694	0.16130	0.18415	0.19150	0.19308	0.19643	+++++	0.18223	8.067
$ 66 Terphenyl-d14	0.84857	0.61959	0.66571	0.76006	0.67516	0.68193	+++++	0.70850	11.610
$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

RG58:6656

Analytical Resources, Inc.

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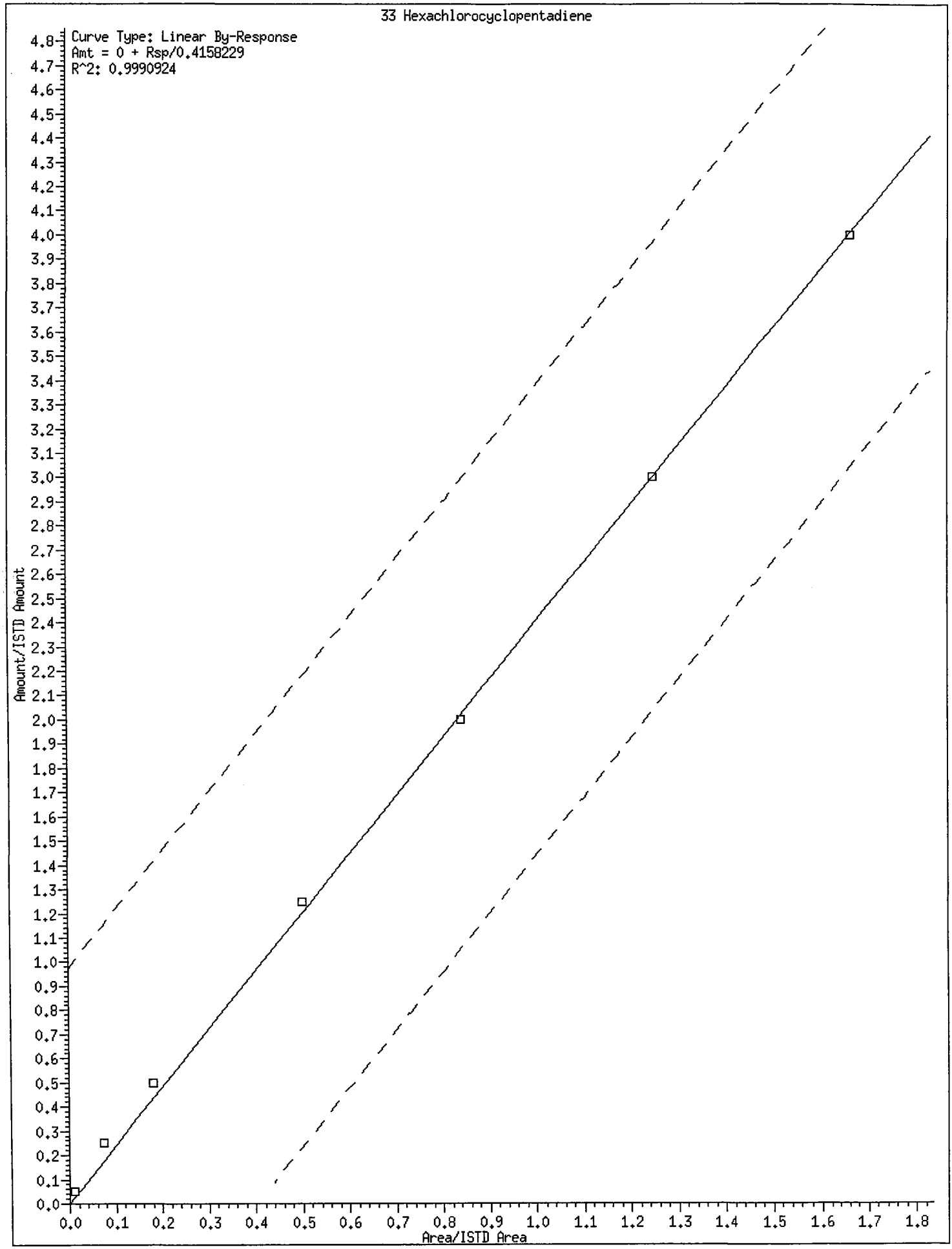
07/26/10

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	80 Level 7										
31 4-Chloro-3-methylphenol	0.36042	0.36903	0.36214	0.35815	0.34753	0.33596					
	0.32412						AVRG		0.35105		4.57798
32 2-Methylnaphthalene	0.72760	0.63815	0.66651	0.61721	0.59789	0.55861					
	0.53653						AVRG		0.62036		10.46774
33 Hexachlorocyclopentadiene	3366	24140	58996	160807	275445	425348					
	562487						LINR	0.000e+00	0.41582		0.99909
34 2,4,6-Trichlorophenol	0.43015	0.47052	0.46116	0.47882	0.45477	0.45554					
	0.45431						AVRG		0.45790		3.34343
35 2,4,5-Trichlorophenol	0.47628	0.47205	0.46476	0.48592	0.46888	0.47285					
	0.46652						AVRG		0.47246		1.50508
37 2-Chloronaphthalene	1.54535	1.40750	1.43034	1.34606	1.26852	1.17397					
	1.13390						AVRG		1.32938		11.04215
38 2-Nitroaniline	0.31929	0.32596	0.34177	0.33767	0.33711	0.32812					
	0.32675						AVRG		0.33095		2.42548


33 Hexachlorocyclopentadiene
Curve Type: Linear By-Response
Amt = 0 + Rsp/0.4158229
R^2: 0.9990924
Amount/ISTD Amount
Area/ISTD Area

RG58 : 00586

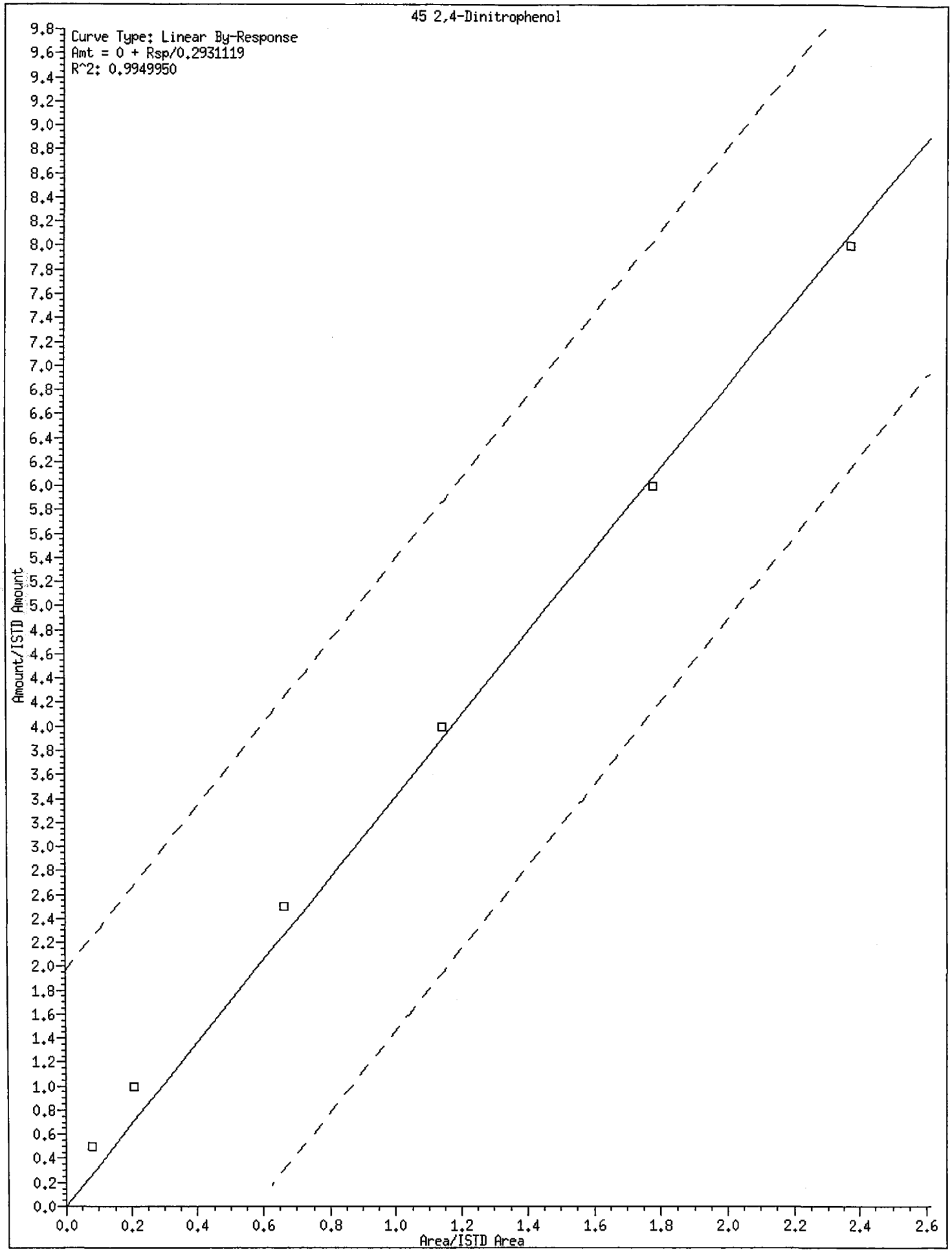
Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing

DZ 07/26/10

Compound	1 Level 1	5 Level 2	10 Level 3	25 Level 4	40 Level 5	60 Level 6	80 Level 7	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
39 Dimethylphthalate	1.63732	1.49856	1.57686	1.53153	1.48535	1.40593	1.37278	AVRG		1.50119		6.14147
40 Acenaphthylene	2.38812	2.20629	2.26228	2.11737	1.97889	1.77863	1.67677	AVRG		2.05833		12.63575
41 2,6-Dinitrotoluene	0.32513	0.34390	0.36822	0.36347	0.36531	0.36325	0.36762	AVRG		0.35670		4.54287
43 3-Nitroaniline	0.32531	0.33792	0.35741	0.33779	0.31058	0.26898	0.24663	AVRG		0.31209		12.88590
44 Acenaphthene	1.44933	1.31145	1.35758	1.30569	1.26041	1.17354	1.13988	AVRG		1.28541		8.25094
45 2,4-Dinitrophenol	+++++	26211	67900	212676	374074	605790	800753	LINR	0.000e+00	0.29311		0.99500
46 Dibenzofuran	1.97073	1.74217	1.82392	1.71558	1.65479	1.55243	1.49208	AVRG		1.70738		9.48459


45 2,4-Dinitrophenol
Curve Type: Linear By-Response
Amt = 0 + Rsp/0.2931119
R^2: 0.9949950
Amount/ISTD Amount
Area/ISTD Area
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

RG58 : 00588

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUL-2010 15:01
End Cal Date : 23-JUL-2010 18:38
Quant Method : ISTD
Origin : Force
Target Version : 3.50
Integrator : HP RTE
Method file : /chem1/nt6.i/20100723.b/SW846072310.m
Cal Date : 26-Jul-2010 11:29 jianqing

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

RG58:9956

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	07231001	07231002	07231003	07231004	07231005	07231006	07231007
INJ.DATE:	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010	23-JUL-2010
INJ.TIME:	15:01	15:38	16:16	16:52	17:29	18:01	18:38

AZ 07/26/10

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
$ 1 2-Fluorophenol	5.605	5.602	5.601	5.605	5.605	5.610	+++++	5.605	2.605-8.605	5.605	0.003
186 Carbaryl	15.689	15.686	15.680	15.684	15.689	15.694	15.702	15.689	12.689-18.689	15.689	0.007
179 n-Decane	7.448	7.440	7.444	7.443	7.448	7.453	7.450	7.448	4.448-10.448	7.447	0.005
180 n-Octadecane	14.829	14.826	14.825	14.824	14.829	14.829	14.832	14.829	11.829-17.829	14.828	0.003
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.531	15.531-21.531	+++++	+++++
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.634	13.634-19.634	+++++	+++++
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.863	13.863-19.863	+++++	+++++
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	20.605	17.605-23.605	+++++	+++++
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.015	14.015-20.015	+++++	+++++
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.609	14.609-20.609	+++++	+++++
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.562	14.562-20.562	+++++	+++++
177 p-Benzoquinone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	6.781	3.781-9.781	+++++	+++++
168 Pentachlorobenzene	12.853	12.850	12.849	12.853	12.858	12.863	12.866	12.853	9.853-15.853	12.856	0.007
145 4,4'-DDE	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.212	44.212-50.212	+++++	+++++
146 4,4'-DDD	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.746	44.746-50.746	+++++	+++++
147 4,4'-DDT	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.216	45.216-51.216	+++++	+++++

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: 7/26/10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.269	36.269-42.269	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
$ 137 d8-1,4-Dioxane	2.107	2.109	2.103	2.107	2.112	2.122	2.125	2.107	0.000-5.107	2.112	0.008
* 134 Di-n-octylphthalate-d4	20.346	20.344	20.343	20.347	20.347	20.346	20.354	20.346	17.346-23.346	20.347	0.004
133 Butylatedhydroxytoluen	12.698	12.695	12.694	12.698	12.698	12.703	12.706	12.698	9.698-15.698	12.699	0.004
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	9.718	9.715	9.714	9.718	9.723	9.728	9.731	9.718	6.718-12.718	9.721	0.007
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	8.302	8.300	8.299	8.303	8.308	8.313	8.316	8.302	5.302-11.302	8.306	0.007
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	2.149	2.152	2.146	2.150	2.155	2.165	2.168	2.149	0.000-5.149	2.155	0.008
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	13.104	13.107	13.100	13.104	13.110	13.109	13.112	13.104	10.104-16.104	13.107	0.004
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.128	13.128-19.128	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	18.723	18.720	18.714	18.718	18.723	18.722	18.731	18.723	15.723-21.723	18.721	0.005
117 Butyl Diphenyl Phospha	17.126	17.123	17.122	17.126	17.126	17.131	17.134	17.126	14.126-20.126	17.127	0.004
116 Dibutyl Phenyl Phospha	15.449	15.446	15.445	15.449	15.454	15.454	15.457	15.449	12.449-18.449	15.450	0.004
115 Tributyl Phosphate	13.734	13.726	13.731	13.729	13.745	13.755	13.763	13.734	10.734-16.734	13.741	0.014
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	11.779	11.777	11.776	11.774	11.780	11.779	11.782	11.779	8.779-14.779	11.778	0.003
112 Biphenyl	11.582	11.579	11.578	11.577	11.582	11.587	11.590	11.582	8.582-14.582	11.582	0.005
111 Azobenzene (1,2-DP-Hyd	13.654	13.646	13.650	13.649	13.654	13.659	13.667	13.654	10.654-16.654	13.654	0.007
110 Tetrachloroguaiacol	14.824	14.821	14.820	14.824	14.829	14.834	14.842	14.824	11.824-17.824	14.828	0.008
109 3,4,5-Trichloroguaiaco	13.205	13.203	13.202	13.206	13.211	13.210	13.219	13.205	10.205-16.205	13.208	0.006
181 3,4,6-Trichloroguaiaco	13.323	13.320	13.314	13.318	13.323	13.328	13.331	13.323	10.323-16.323	13.322	0.006
108 4,5,6-Trichloroguaiaco	14.242	14.239	14.238	14.237	14.242	14.247	14.250	14.242	11.242-17.242	14.242	0.005
184 3,4-Dichloroguaiacol	11.667	11.670	11.669	11.667	11.673	11.672	11.675	11.667	8.667-14.667	11.671	0.003
107 4,5-Dichloroguaiacol	12.463	12.460	12.459	12.458	12.469	12.468	12.476	12.463	9.463-15.463	12.465	0.007
182 4,6-Dichloroguaiacol	12.463	12.460	12.459	12.458	12.469	12.468	12.476	12.463	9.463-15.463	12.465	0.007
185 4-Chloroguaiacol	10.594	10.586	10.590	10.594	10.594	10.593	10.596	10.594	7.594-13.594	10.592	0.003

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	8.575	8.572	8.571	8.575	8.580	8.585	8.588	8.575	5.575-11.575	8.578	0.007
105 1-methylnaphthalene	10.968	10.965	10.964	10.968	10.968	10.973	10.975	10.968	7.968-13.968	10.969	0.004
151 1,2,4,5-Tetrachloroben	11.138	11.136	11.135	11.133	11.139	11.138	11.141	11.138	8.138-14.138	11.137	0.003
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.442	20.442-26.442	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.968	18.968-24.968	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.466	20.466-26.466	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.866	19.866-25.866	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	23.413	20.413-26.413	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.952	21.952-27.952	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.721	18.721-24.721	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.159	15.159-21.159	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
$ 2 Phenol-d5	7.207	7.205	7.204	7.202	7.213	7.218	0.000	7.207	4.207-10.207	6.178	2.724
3 Phenol	7.229	7.221	7.220	7.224	7.229	7.239	7.237	7.229	4.229-10.229	7.228	0.008
4 Bis(2-Chloroethyl)ethe	7.282	7.274	7.273	7.277	7.282	7.287	7.290	7.282	4.282-10.282	7.281	0.006
$ 5 2-Chlorophenol-d4	7.293	7.296	7.295	7.293	7.298	7.303	+++++	7.293	4.293-10.293	7.296	0.004

RG558:16590

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	6 2-Chlorophenol	7.320	7.317	7.316	7.320	7.320	7.325	7.327	7.320	4.320-10.320	7.321	0.004
	7 1,3-Dichlorobenzene	7.523	7.525	7.524	7.523	7.528	7.533	7.530	7.523	4.523-10.523	7.527	0.004
*	8 1,4-Dichlorobenzene-d4	7.592	7.589	7.588	7.592	7.592	7.597	7.595	7.592	4.592-10.592	7.592	0.003
	9 1,4-Dichlorobenzene	7.619	7.616	7.615	7.614	7.619	7.624	7.621	7.619	4.619-10.619	7.618	0.004
$	10 1,2-Dichlorobenzene-d4	7.891	7.888	7.887	7.891	7.891	7.896	0.000	7.891	4.891-10.891	6.764	2.983
	11 Benzyl alcohol	7.896	7.894	7.893	7.897	7.902	7.907	7.910	7.896	4.896-10.896	7.900	0.007
	12 1,2-Dichlorobenzene	7.912	7.910	7.909	7.913	7.913	7.918	7.915	7.912	4.912-10.912	7.913	0.003
	13 2-Methylphenol	8.158	8.150	8.155	8.153	8.158	8.163	8.166	8.158	5.158-11.158	8.158	0.006
	14 2,2'-oxybis(1-Chloropr	8.158	8.155	8.160	8.158	8.158	8.163	8.161	8.158	5.158-11.158	8.159	0.002
	15 4-Methylphenol	8.393	8.385	8.389	8.388	8.399	8.404	8.406	8.393	5.393-11.393	8.395	0.008
	16 N-Nitroso-di-n-propyla	8.377	8.369	8.368	8.367	8.383	8.388	8.390	8.377	5.377-11.377	8.377	0.010
	17 Hexachloroethane	8.398	8.396	8.400	8.399	8.399	8.404	8.406	8.398	5.398-11.398	8.400	0.004
$	18 Nitrobenzene-d5	8.537	8.529	8.528	8.532	8.538	8.542	+++++	8.537	5.537-11.537	8.535	0.005
	19 Nitrobenzene	8.564	8.556	8.560	8.559	8.570	8.574	8.572	8.564	5.564-11.564	8.565	0.007
	20 Isophorone	8.949	8.941	8.945	8.944	8.954	8.959	8.967	8.949	5.949-11.949	8.951	0.010
	21 2-Nitrophenol	9.082	9.079	9.079	9.082	9.082	9.087	9.090	9.082	6.082-12.082	9.083	0.004
	22 2,4-Dimethylphenol	9.226	9.218	9.217	9.221	9.227	9.231	9.234	9.226	6.226-12.226	9.225	0.006
	23 Bis(2-Chloroethoxy)met	9.360	9.357	9.356	9.360	9.365	9.370	9.373	9.360	6.360-12.360	9.363	0.007
	24 Benzoic acid	9.477	9.347	9.383	9.419	9.520	9.568	9.603	9.477	6.477-12.477	9.474	0.096
	25 2,4-Dichlorophenol	9.477	9.475	9.474	9.472	9.478	9.482	9.485	9.477	6.477-12.477	9.478	0.005
	26 1,2,4-Trichlorobenzene	9.590	9.587	9.591	9.590	9.595	9.595	9.597	9.590	6.590-12.590	9.592	0.004
*	27 Naphthalene-d8	9.643	9.640	9.639	9.643	9.649	9.648	9.651	9.643	6.643-12.643	9.645	0.004
	28 Naphthalene	9.675	9.672	9.671	9.670	9.675	9.680	9.683	9.675	6.675-12.675	9.675	0.005
	29 4-Chloroaniline	9.835	9.838	9.837	9.835	9.841	9.840	9.843	9.835	6.835-12.835	9.839	0.003

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	30 Hexachlorobutadiene	10.006	10.003	10.003	10.001	10.006	10.006	10.009	10.006	7.006-13.006	10.005	0.003
	31 4-Chloro-3-methylpheno	10.674	10.671	10.670	10.669	10.674	10.679	10.682	10.674	7.674-13.674	10.674	0.005
	32 2-Methylnaphthalene	10.797	10.794	10.798	10.797	10.797	10.802	10.805	10.797	7.797-13.797	10.798	0.004
	33 Hexachlorocyclopentadi	11.181	11.179	11.183	11.181	11.181	11.181	11.184	11.181	8.181-14.181	11.181	0.002
	34 2,4,6-Trichlorophenol	11.325	11.323	11.322	11.320	11.326	11.330	11.333	11.325	8.325-14.325	11.326	0.005
	35 2,4,5-Trichlorophenol	11.384	11.387	11.380	11.379	11.384	11.389	11.392	11.384	8.384-14.384	11.385	0.005
$	36 2-Fluorobiphenyl	11.454	11.446	11.450	11.448	11.454	11.453	0.000	11.454	8.454-14.454	9.815	4.328
	37 2-Chloronaphthalene	11.571	11.568	11.567	11.571	11.577	11.576	11.579	11.571	8.571-14.571	11.573	0.004
	38 2-Nitroaniline	11.822	11.819	11.818	11.817	11.828	11.832	11.835	11.822	8.822-14.822	11.825	0.007
	39 Dimethylphthalate	12.207	12.199	12.198	12.202	12.207	12.217	12.220	12.207	9.207-15.207	12.207	0.009
	40 Acenaphthylene	12.244	12.241	12.246	12.244	12.250	12.249	12.252	12.244	9.244-15.244	12.247	0.004
	41 2,6-Dinitrotoluene	12.292	12.289	12.288	12.287	12.298	12.303	12.305	12.292	9.292-15.292	12.295	0.007
*	42 Acenaphthene-d10	12.500	12.498	12.497	12.495	12.501	12.500	12.503	12.500	9.500-15.500	12.499	0.003
	43 3-Nitroaniline	12.500	12.498	12.497	12.495	12.506	12.516	12.519	12.500	9.500-15.500	12.504	0.010
	44 Acenaphthene	12.548	12.546	12.545	12.549	12.554	12.559	12.562	12.548	9.548-15.548	12.552	0.007
	45 2,4-Dinitrophenol	12.666	12.663	12.662	12.661	12.672	12.682	12.690	12.666	9.666-15.666	12.671	0.011
	46 Dibenzofuran	12.810	12.808	12.807	12.810	12.816	12.821	12.823	12.810	9.810-15.810	12.814	0.007
	47 4-Nitrophenol	12.842	12.845	12.839	12.837	12.842	12.853	12.861	12.842	9.842-15.842	12.846	0.008
	48 2,4-Dinitrotoluene	12.917	12.909	12.908	12.912	12.917	12.927	12.930	12.917	9.917-15.917	12.917	0.009
	49 Fluorene	13.366	13.363	13.362	13.366	13.371	13.376	13.379	13.366	10.366-16.366	13.369	0.007
	50 Diethylphthalate	13.360	13.347	13.351	13.355	13.366	13.371	13.368	13.360	10.360-16.360	13.360	0.009
	51 4-Chlorophenyl-phenyle	13.403	13.400	13.399	13.403	13.409	13.408	13.411	13.403	10.403-16.403	13.405	0.004
	52 4-Nitroaniline	13.494	13.486	13.485	13.489	13.505	13.515	13.523	13.494	10.494-16.494	13.499	0.015
	53 4,6-Dinitro-2-methylph	13.563	13.555	13.554	13.558	13.574	13.584	13.593	13.563	10.563-16.563	13.569	0.015

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	54 N-Nitrosodiphenylamine	13.611	13.609	13.608	13.612	13.617	13.622	13.630	13.611	10.611-16.611	13.615	0.008
$	55 2,4,6-Tribromophenol	13.793	13.785	13.784	13.788	13.793	13.798	+++++	13.793	10.793-16.793	13.790	0.005
	56 4-Bromophenyl-phenylet	14.183	14.175	14.179	14.178	14.183	14.183	14.185	14.183	11.183-17.183	14.181	0.004
	57 Hexachlorobenzene	14.386	14.389	14.382	14.386	14.391	14.391	14.399	14.386	11.386-17.386	14.389	0.005
	58 Pentachlorophenol	14.696	14.693	14.692	14.691	14.696	14.701	14.704	14.696	11.696-17.696	14.696	0.005
*	59 Phenanthrene-d10	14.861	14.859	14.858	14.861	14.867	14.866	14.869	14.861	11.861-17.861	14.863	0.004
	60 Phenanthrene	14.899	14.896	14.895	14.893	14.904	14.909	14.912	14.899	11.899-17.899	14.901	0.007
	61 Anthracene	14.973	14.965	14.964	14.968	14.974	14.978	14.987	14.973	11.973-17.973	14.973	0.008
	62 Carbazole	15.267	15.264	15.263	15.267	15.273	15.272	15.280	15.267	12.267-18.267	15.270	0.006
	63 Di-n-butylphthalate	16.004	16.002	16.001	16.004	16.004	16.009	16.012	16.004	13.004-19.004	16.005	0.004
	64 Fluoranthene	16.827	16.824	16.823	16.822	16.827	16.832	16.835	16.827	13.827-19.827	16.827	0.005
	65 Pyrene	17.179	17.171	17.176	17.174	17.179	17.184	17.187	17.179	14.179-20.179	17.179	0.006
$	66 Terphenyl-d14	17.510	17.508	17.512	17.511	17.516	17.515	0.000	17.510	14.510-20.510	15.010	6.619
	67 Butylbenzylphthalate	18.413	18.410	18.404	18.408	18.413	18.413	18.421	18.413	15.413-21.413	18.412	0.005
	68 Benzo(a)anthracene	19.134	19.131	19.130	19.134	19.140	19.144	19.147	19.134	16.134-22.134	19.137	0.007
*	69 Chrysene-d12	19.161	19.153	19.157	19.156	19.166	19.166	19.169	19.161	16.161-22.161	19.161	0.006
	70 3,3'-Dichlorobenzidine	19.166	19.158	19.162	19.161	19.166	19.166	19.174	19.166	16.166-22.166	19.165	0.005
	71 Chrysene	19.198	19.190	19.194	19.198	19.204	19.209	19.217	19.198	16.198-22.198	19.201	0.009
	72 bis(2-Ethylhexyl)phtha	19.417	19.414	19.413	19.417	19.417	19.417	19.420	19.417	16.417-22.417	19.417	0.002
	73 Di-n-octylphthalate	20.357	20.354	20.354	20.357	20.357	20.362	20.360	20.357	17.357-23.357	20.357	0.003
	74 Benzo(b)fluoranthene	20.784	20.776	20.781	20.779	20.790	20.795	20.803	20.784	17.784-23.784	20.787	0.010
	75 Benzo(k)fluoranthene	20.816	20.808	20.813	20.811	20.822	20.832	20.840	20.816	17.816-23.816	20.821	0.012
	76 Benzo(a)pyrene	21.228	21.220	21.224	21.223	21.233	21.238	21.246	21.228	18.228-24.228	21.230	0.010
*	77 Perylene-d12	21.308	21.305	21.304	21.303	21.308	21.308	21.316	21.308	18.308-24.308	21.307	0.004

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Batch File: /chem1/nt6.i/20100723.b
Inst ID: nt6.i

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
78	Indeno(1,2,3-cd)pyrene	22.697	22.689	22.688	22.686	22.707	22.712	22.720	22.697	19.697-25.697	22.700	0.014
79	Dibenzo(a,h)anthracene	22.723	22.710	22.714	22.718	22.729	22.739	22.747	22.723	19.723-25.723	22.726	0.013
80	Benzo(g,h,i)perylene	23.054	23.036	23.040	23.044	23.065	23.075	23.089	23.054	20.054-26.054	23.058	0.020
$ 85	p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
$ 86	Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
$ 87	Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
$ 88	Dibenz(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
$ 89	Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
90	N-Nitrosodimethylamine	2.721	2.718	2.717	2.716	2.732	2.742	2.750	2.721	0.000-5.721	2.728	0.014
91	Aniline	7.154	7.151	7.150	7.149	7.154	7.159	7.157	7.154	4.154-10.154	7.154	0.004
92	1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
93	Benzidine	17.099	17.102	17.095	17.099	17.099	17.104	17.107	17.099	14.099-20.099	17.101	0.004
$ 95	D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
96	p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
97	Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
98	Retene	17.751	17.753	17.747	17.751	17.751	17.756	17.759	17.751	14.751-20.751	17.752	0.004
99	Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	31.125	28.125-34.125	+++++	+++++
100	3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.717	15.717-21.717	+++++	+++++
101	Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	22.964	19.964-25.964	+++++	+++++
102	beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
103	Pyridine	2.689	2.713	2.696	2.694	2.694	2.705	2.702	2.689	0.000-5.689	2.699	0.008
187	Total Benzofluoranthen	20.816	20.808	20.813	20.811	20.822	20.832	20.840	20.816	17.816-23.816	20.821	0.012

Analytical Resources Inc.: Organics Instrument Log

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

Date: 7/23/10 Analysis: 8270 Analyst: [illegible]

GC Program: [illegible] Column No: 172127 Column Type: 2B-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1588

Calibration File: 0723/001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	1741-3, 1713-1
	1736-1, 1726-1	1721-2, 1720-1
	25019 1753-1	25019 1721-1
	1754-1 (carbaryl)	1744-1

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.1/20100723.b

	Time	Filename	LabID	ClientId	DF											
1	1501	07231001.D	IC250723	IC250723	1	7.59	182786	9.64	584137	12.50	320442	14.86	503793	19.16	532343	21.31	517269	20.35	719428
2	1538	07231002.D	IC010723	IC010723	1	7.59	195617	9.64	619162	12.50	335561	14.86	502252	19.15	533625	21.31	501426	20.34	671548
3	1616	07231003.D	IC050723	IC050723	1	7.59	188843	9.64	605649	12.50	328204	14.86	492773	19.16	523042	21.30	509773	20.34	685489
4	1652	07231004.D	IC100723	IC100723	1	7.59	185943	9.64	593293	12.50	323613	14.86	496900	19.16	508888	21.30	502175	20.35	694500
5	1729	07231005.D	IC400723	IC400723	1	7.59	179813	9.65	584978	12.50	327933	14.87	525448	19.17	593530	21.31	534102	20.35	734023
6	1801	07231006.D	IC600723	IC600723	1	7.60	184946	9.65	607475	12.50	340603	14.87	548107	19.17	578965	21.31	572566	20.35	744081
7	1838	07231007.D	IC800723	IC800723	1	7.59	184081	9.65	604045	12.50	337280	14.87	549184	19.17	574045	21.32	593718	20.35	737424
8	2017	07231008.D	ICV0723	ICV0723	1	7.59	176582	9.65	582262	12.50	323945	14.86	516976	19.16	544051	21.30	522945	20.35	731609
9	2053	07231009.D	RE80MBW1	RE80MBW1	1	7.59	191409	9.64	626705	12.49	340804	14.86	511015	19.16	542517	20.35	680199	21.30	530348
10	2129	07231010.D	RE80LCSW1	RE80LCSW1	1	7.59	186065	9.64	600768	12.50	336459	14.86	542160	19.16	543756	20.34	743452	21.31	536707
11	2206	07231011.D	RE80LCSDW1	RE80LCSDW1	1	7.59	193224	9.64	618733	12.50	346038	14.86	562142	19.16	552203	20.35	754902	21.31	547020
12	2242	07231012.D	RE80A	EB-01-0710	1	7.59	202174	9.64	668869	12.50	358572	14.86	537356	19.16	568871	20.34	711184	21.30	552466

[illegible] 07/26/10

Maintenance / Comments

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.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100723.b

ARI Job No.: IC25 Method: SW846072310.m Instrument: nt6.i Date: 23-JUL-2010

DB 07/26/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1501	07231001.D	IC250723	IC250723	1	4-Nitrophenol,
1538	07231002.D	IC010723	IC010723	1	Benzoic acid, 4-Chloro-3-methylphenol, 4-Nitrophenol, Pyridine, Total Benzofluoranthenes, 1,2-Dichlorobenzene-d4,
1616	07231003.D	IC050723	IC050723	1	4-Nitrophenol, Total Benzofluoranthenes,
1652	07231004.D	IC100723	IC100723	1	4-Nitrophenol, Total Benzofluoranthenes,
1729	07231005.D	IC400723	IC400723	1	NO MANUAL INTEGRATION
1801	07231006.D	IC600723	IC600723	1	Benzoic acid, 4-Nitrophenol,
1838	07231007.D	IC800723	IC800723	1	Benzoic acid, 4-Nitrophenol,

RG58 9559

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

Instrument: nt6.i

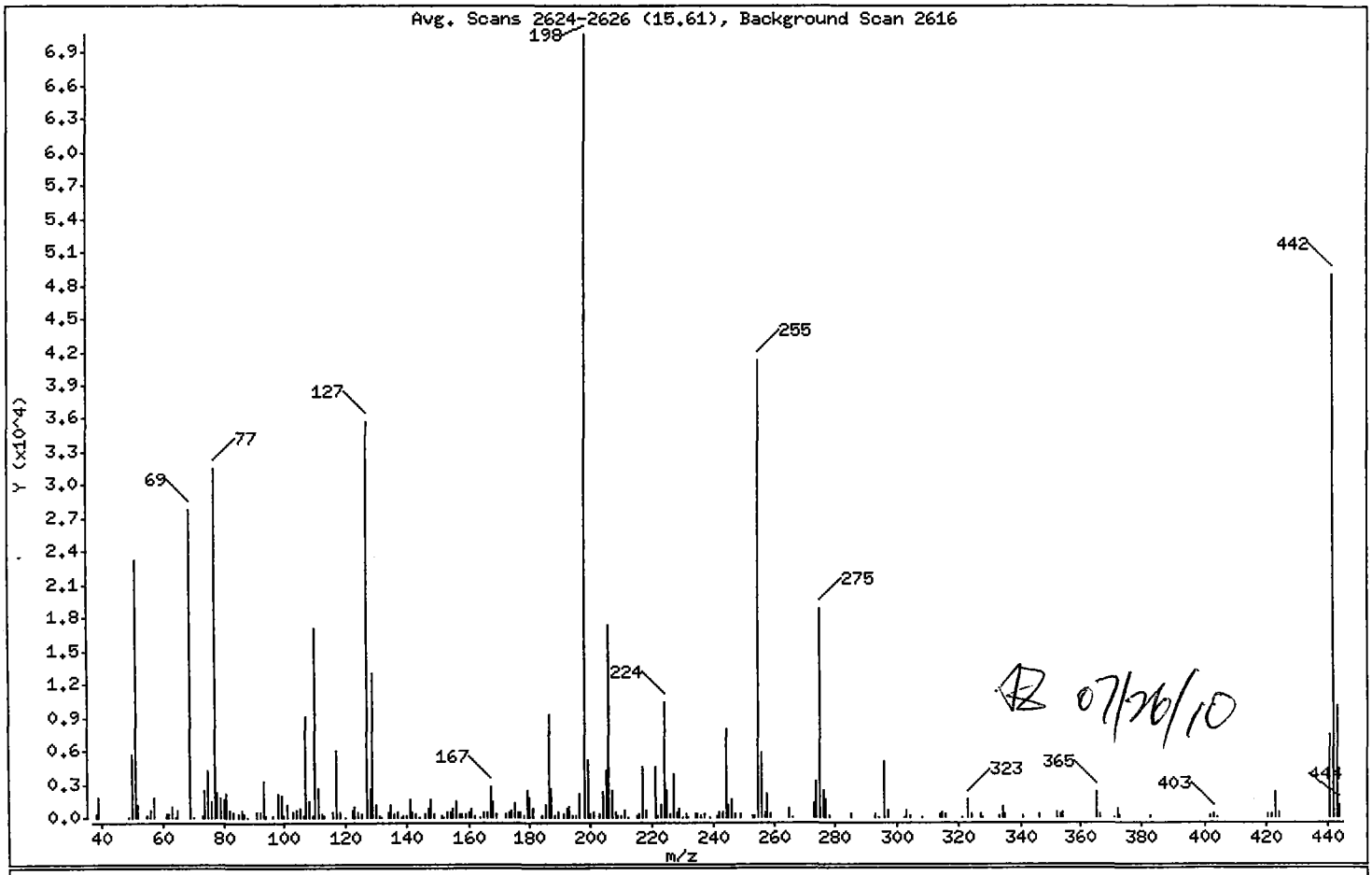
Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.79
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	39.43
70	Less than 2.00% of mass 69	0.11 (0.27)
127	10.00 - 80.00% of mass 198	50.48
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 60.00% of mass 198	26.75
365	Greater than 1.00% of mass 198	3.26
441	0.01 - 24.00% of mass 442	10.46 (15.05)
442	50.00 - 200.00% of mass 198	69.53
443	15.00 - 24.00% of mass 442	14.36 (20.66)

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: 07231001.D
Spectrum: Avg. Scans 2624-2626 (15.61), Background Scan 2616
Location of Maximum: 198.00
Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	387	123.00	922	188.00	228	258.00	2047
39.00	1825	124.00	480	189.00	470	259.00	339
49.00	65	125.00	365	191.00	272	265.00	871
50.00	5640	127.00	35688	192.00	768	266.00	70
51.00	23184	128.00	2664	193.00	910	273.00	1286
52.00	1188	129.00	13060	194.00	205	274.00	3278
55.00	117	130.00	1185	195.00	108	275.00	18912
56.00	724	131.00	199	196.00	2168	276.00	2417
57.00	1783	132.00	53	198.00	70696	277.00	1549
61.00	268	134.00	417	199.00	5207	278.00	225
62.00	303	135.00	1057	200.00	352	285.00	281
63.00	1001	136.00	403	201.00	473	293.00	310
64.00	57	137.00	530	203.00	399	294.00	55
65.00	603	138.00	53	204.00	2330	296.00	5042
69.00	27872	139.00	133	205.00	4267	297.00	617
70.00	76	140.00	157	206.00	17352	302.00	51
73.00	239	141.00	1557	207.00	2460	303.00	684
74.00	2447	142.00	527	208.00	547	304.00	121
75.00	4272	143.00	334	209.00	224	308.00	56
76.00	1504	144.00	51	210.00	220	314.00	246
77.00	31608	146.00	256	211.00	719	315.00	557
78.00	2353	147.00	794	212.00	72	316.00	334
79.00	1859	148.00	1619	215.00	138	321.00	61
80.00	1551	149.00	391	216.00	402	323.00	1624
81.00	2087	151.00	243	217.00	4593	324.00	284
82.00	569	152.00	55	218.00	656	327.00	303
83.00	501	153.00	556	221.00	4555	328.00	54
85.00	371	154.00	413	222.00	212	333.00	133
86.00	612	155.00	876	223.00	1131	334.00	1046
87.00	283	156.00	1402	224.00	10419	335.00	247
88.00	58	157.00	248	225.00	2454	341.00	195
91.00	565	158.00	315	226.00	302	346.00	381
92.00	460	159.00	248	227.00	3948	352.00	507
93.00	3213	160.00	524	228.00	566	353.00	296
94.00	196	161.00	761	229.00	863	354.00	512

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723 Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 07231001.D
Spectrum: Avg. Scans 2624-2626 (15.61), Background Scan 2616
Location of Maximum: 198.00
Number of points: 220

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	222	162.00	236	230.00	56	365.00	2305
98.00	2141	164.00	52	231.00	395	366.00	343
99.00	1893	165.00	557	232.00	58	371.00	53
100.00	125	166.00	524	234.00	262	372.00	781
101.00	1206	167.00	2749	235.00	263	373.00	223
103.00	429	168.00	1464	236.00	143	383.00	219
104.00	718	169.00	273	237.00	373	402.00	207
105.00	891	172.00	270	239.00	65	403.00	390
106.00	85	173.00	422	241.00	228	404.00	51
107.00	9053	174.00	680	242.00	541	421.00	350
108.00	1452	175.00	1231	243.00	516	422.00	291
109.00	101	176.00	512	244.00	7897	423.00	2348
110.00	17112	177.00	488	245.00	1132	424.00	560
111.00	2583	178.00	162	246.00	1556	441.00	7398
112.00	346	179.00	2424	247.00	296	442.00	49152
113.00	127	180.00	1708	249.00	252	443.00	10155
116.00	407	181.00	748	253.00	143	444.00	1103
117.00	6032	184.00	213	254.00	104		
118.00	485	185.00	1151	255.00	41248		
120.00	62	186.00	9244	256.00	5893		
122.00	623	187.00	2603	257.00	528		

Data File: /chem1/nt6.i/20100723.b/tune.b/07231001.D

Date : 23-JUL-2010 15:01

Client ID: DFTPP0723

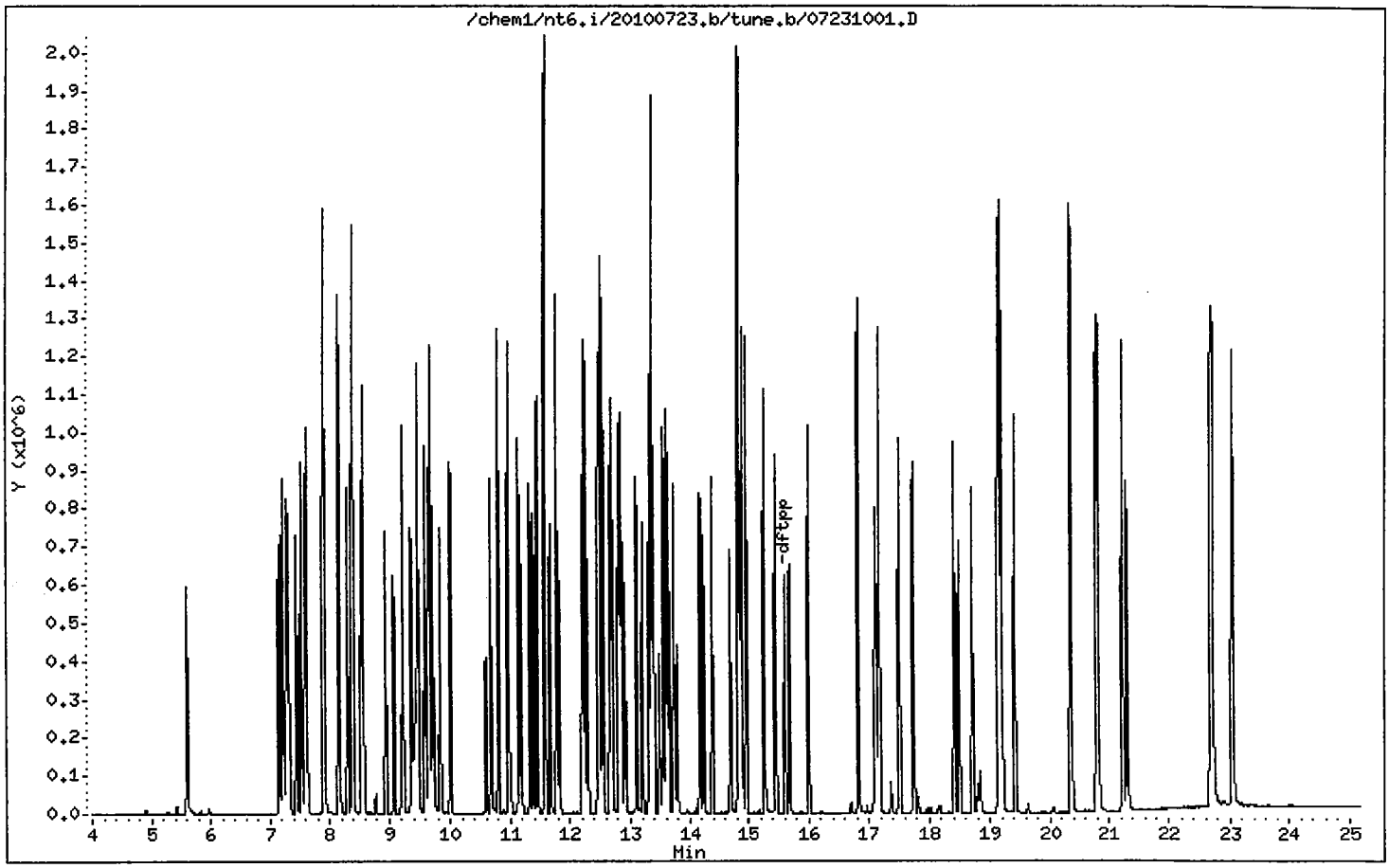
Instrument: nt6.i

Sample Info: DFTPP0723

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



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

Data file: /chem1/nt6.i/20100723.b/ddt.b/07231001.D ARI ID: IC250723
Method: /chem1/nt6.i/20100723.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 23-JUL-2010 15:01 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.696	127003
Benzidine	17.099	261375
4,4'-DDE	----	----
4,4'-DDD	18.023	5204
4,4'-DDT	18.493	237032

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

$$\text{DDT Percent Breakdown} = \frac{(\ 0 + 5204) * 100}{(\ 0 + 5204 + 237032)}$$

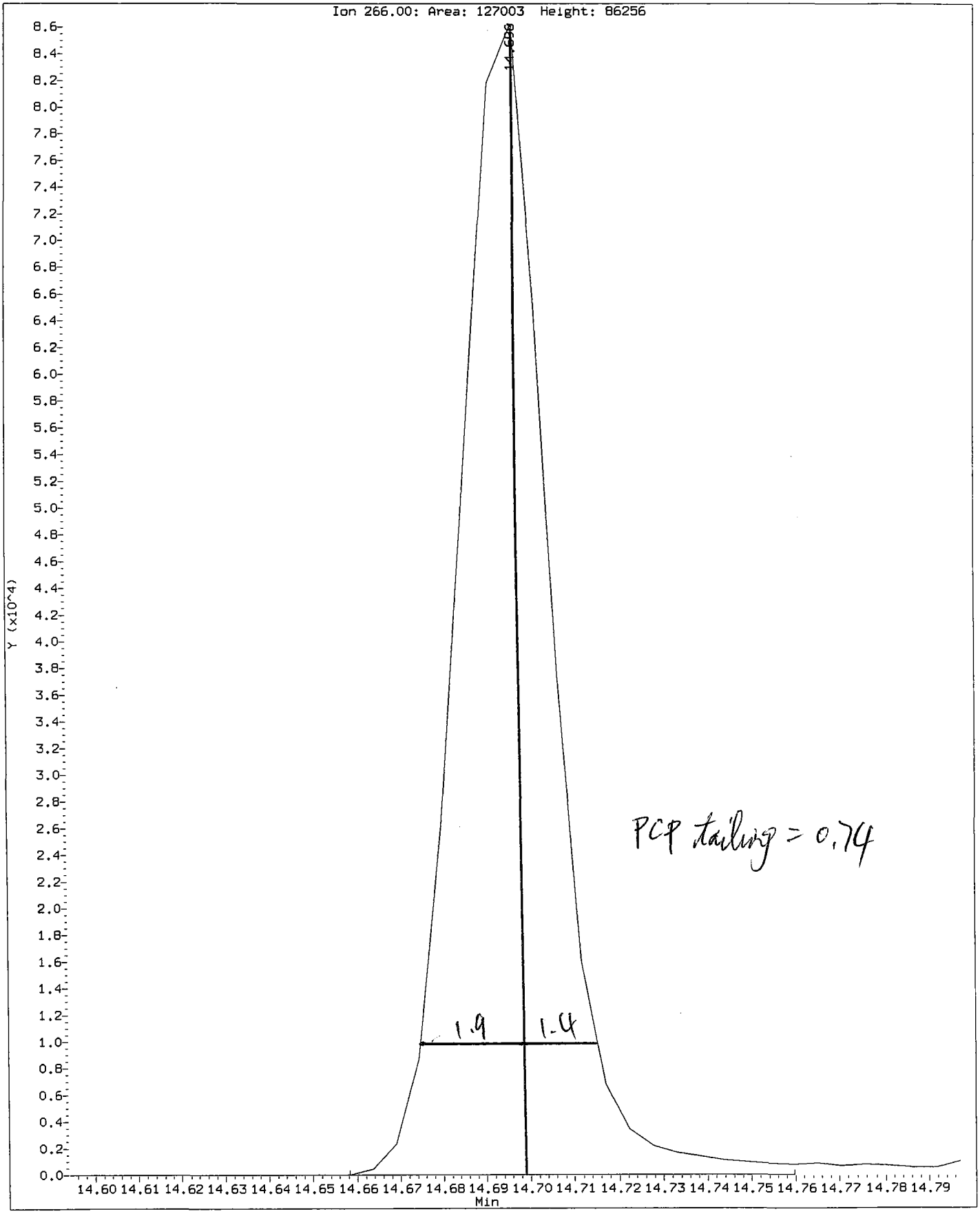
DDT Percent Breakdown = 2.1 %

06

AZ 07/26/10

Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

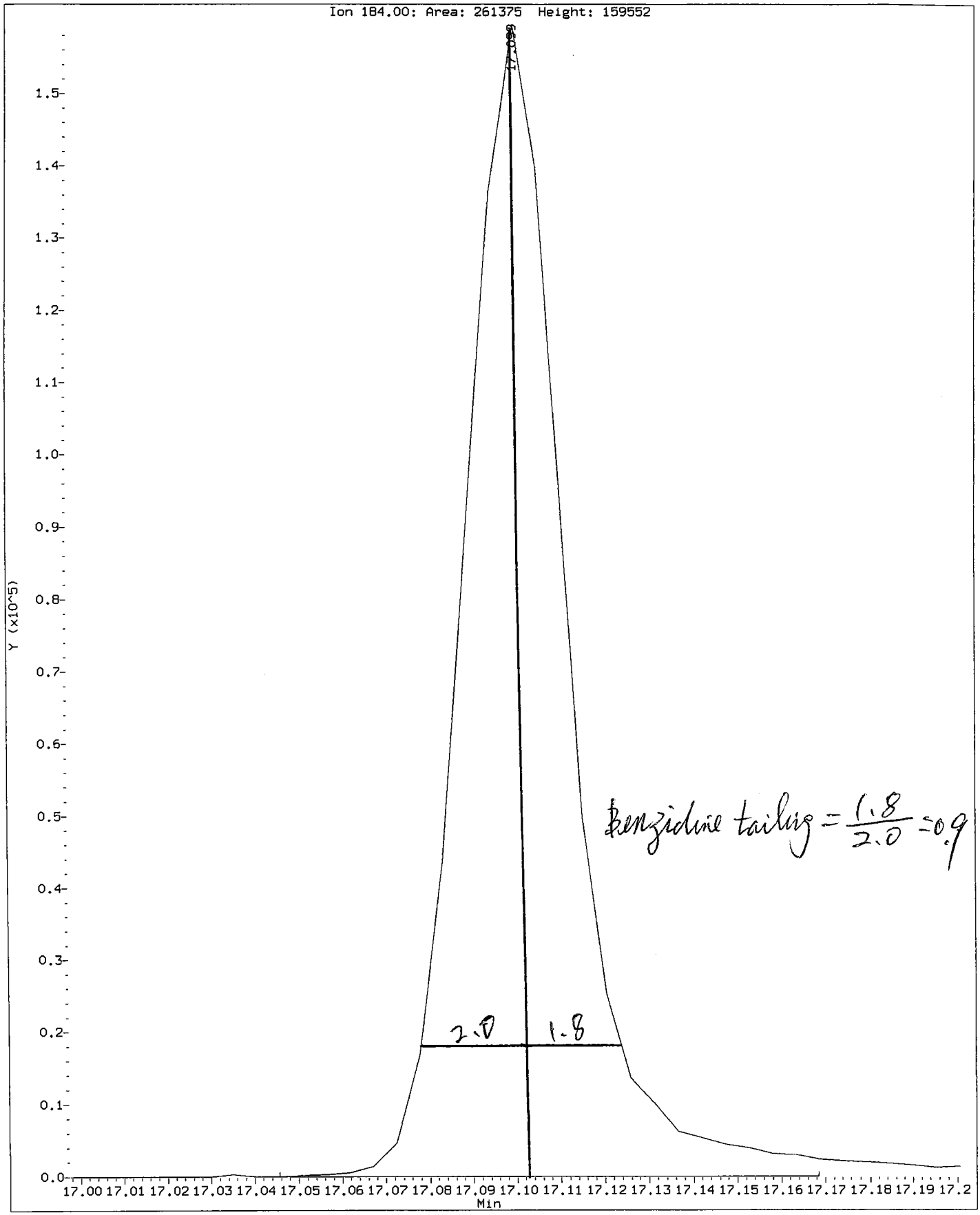
Compound: Pentachlorophenol
CAS Number: 87-86-5



RG58 : 00605

Data File: /chem1/nt6.i/20100723.b/ddt.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: Benzidine
CAS Number:



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231002.D
Lab Smp Id: IC010723 Client Smp ID: IC010723
Inj Date : 23-JUL-2010 15:38
Operator : JZ Inst ID: nt6.i
Smp Info : IC010723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:38 Cal File: 07231002.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	5.602	5.610	(0.738)	12960	1.00000	1.000
$ 2	Phenol-d5	99	7.205	7.218	(0.949)	16567	1.00000	1.000
3	Phenol	94	7.221	7.237	(0.951)	18572	1.00000	1.000
$ 5	2-Chlorophenol-d4	132	7.296	7.303	(0.961)	14473	1.00000	1.000
4	Bis(2-Chloroethyl)ether	93	7.274	7.290	(0.958)	14758	1.00000	1.000
6	2-Chlorophenol	128	7.317	7.327	(0.964)	16158	1.00000	1.000
7	1,3-Dichlorobenzene	146	7.525	7.530	(0.992)	19042	1.00000	1.000
* 8	1,4-Dichlorobenzene-d4	152	7.589	7.595	(1.000)	195617	20.0000	
9	1,4-Dichlorobenzene	146	7.616	7.621	(1.004)	18283	1.00000	1.000
$ 10	1,2-Dichlorobenzene-d4	152	7.888	7.896	(1.039)	9473	1.00000	1.000(M)
12	1,2-Dichlorobenzene	146	7.910	7.915	(1.042)	17717	1.00000	1.000
11	Benzyl alcohol	108	7.894	7.910	(1.040)	7581	1.00000	1.000
14	2,2'-oxybis(1-Chloropropane)	45	8.155	8.161	(1.075)	15269	1.00000	1.000
13	2-Methylphenol	108	8.150	8.166	(1.074)	13513	1.00000	1.000
17	Hexachloroethane	117	8.396	8.406	(1.106)	6764	1.00000	1.000
16	N-Nitroso-di-n-propylamine	70	8.369	8.390	(1.103)	9485	1.00000	1.000
15	4-Methylphenol	108	8.385	8.406	(1.105)	13086	1.00000	1.000
$ 18	Nitrobenzene-d5	82	8.529	8.542	(0.885)	13152	1.00000	1.000
19	Nitrobenzene	77	8.556	8.572	(0.888)	15308	1.00000	1.000
20	Isophorone	82	8.941	8.967	(0.927)	23101	1.00000	1.000
21	2-Nitrophenol	139	9.079	9.090	(0.942)	7500	1.00000	1.000
22	2,4-Dimethylphenol	107	9.218	9.234	(0.956)	13985	1.00000	1.000
23	Bis(2-Chloroethoxy)methane	93	9.357	9.373	(0.971)	16110	1.00000	1.000
25	2,4-Dichlorophenol	162	9.475	9.485	(0.983)	11462	1.00000	1.000
26	1,2,4-Trichlorobenzene	180	9.587	9.597	(0.994)	13993	1.00000	1.000
* 27	Naphthalene-d8	136	9.640	9.651	(1.000)	619162	20.0000	
28	Naphthalene	128	9.672	9.683	(1.003)	41597	1.00000	1.000

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	29 4-Chloroaniline	127	9.838	9.843	(1.020)	15650	1.00000	1.000
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	7937	1.00000	1.000
	31 4-Chloro-3-methylphenol	107	10.671	10.682	(1.107)	11158	1.00000	1.000 (M)
	32 2-Methylnaphthalene	141	10.794	10.805	(1.120)	22525	1.00000	1.000
	33 Hexachlorocyclopentadiene	237	11.179	11.184	(0.894)	3366	1.00000	1.000
	34 2,4,6-Trichlorophenol	196	11.323	11.333	(0.906)	7217	1.00000	1.000
	35 2,4,5-Trichlorophenol	196	11.387	11.392	(0.911)	7991	1.00000	1.000
$	36 2-Fluorobiphenyl	172	11.446	11.453	(0.916)	27771	1.00000	1.000
	37 2-Chloronaphthalene	162	11.568	11.579	(0.926)	25928	1.00000	1.000
	38 2-Nitroaniline	65	11.819	11.835	(0.946)	5357	1.00000	1.000
	39 Dimethylphthalate	163	12.199	12.220	(0.976)	27471	1.00000	1.000
	40 Acenaphthylene	152	12.241	12.252	(0.979)	40068	1.00000	1.000
	41 2,6-Dinitrotoluene	165	12.289	12.305	(0.983)	5455	1.00000	1.000
*	42 Acenaphthene-d10	164	12.498	12.503	(1.000)	335561	20.0000	
	43 3-Nitroaniline	138	12.498	12.519	(1.000)	5458	1.00000	1.000
	44 Acenaphthene	153	12.546	12.562	(1.004)	24317	1.00000	1.000
	46 Dibenzofuran	168	12.808	12.823	(1.025)	33065	1.00000	1.000
	47 4-Nitrophenol	109	12.845	12.861	(1.028)	2427	1.00000	1.000 (M)
	48 2,4-Dinitrotoluene	165	12.909	12.930	(1.033)	6962	1.00000	1.000
	50 Diethylphthalate	149	13.347	13.368	(1.068)	27786	1.00000	1.000
	49 Fluorene	166	13.363	13.379	(1.069)	28942	1.00000	1.000
	51 4-Chlorophenyl-phenylether	204	13.400	13.411	(1.072)	13051	1.00000	1.000
	52 4-Nitroaniline	138	13.486	13.523	(1.079)	5361	1.00000	1.000
	54 N-Nitrosodiphenylamine	169	13.609	13.630	(0.916)	19100	1.00000	1.000
$	55 2,4,6-Tribromophenol	330	13.785	13.798	(1.103)	2801	1.00000	1.000
	56 4-Bromophenyl-phenylether	248	14.175	14.185	(0.954)	7664	1.00000	1.000
	57 Hexachlorobenzene	284	14.389	14.399	(0.968)	8254	1.00000	1.000
	58 Pentachlorophenol	266	14.693	14.704	(0.989)	2935	1.00000	1.000
*	59 Phenanthrene-d10	188	14.859	14.869	(1.000)	502252	20.0000	
	60 Phenanthrene	178	14.896	14.912	(1.002)	36558	1.00000	1.000
	61 Anthracene	178	14.965	14.987	(1.007)	37076	1.00000	1.000
	62 Carbazole	167	15.264	15.280	(1.027)	34327	1.00000	1.000
	63 Di-n-butylphthalate	149	16.002	16.012	(1.077)	39082	1.00000	1.000
	64 Fluoranthene	202	16.824	16.835	(1.132)	36900	1.00000	1.000
	65 Pyrene	202	17.171	17.187	(0.897)	39792	1.00000	1.000
$	66 Terphenyl-d14	244	17.508	17.515	(0.914)	22641	1.00000	1.000
	67 Butylbenzylphthalate	149	18.410	18.421	(0.961)	15872	1.00000	1.000
	68 Benzo(a)anthracene	228	19.131	19.147	(0.999)	37113	1.00000	1.000
*	69 Chrysene-d12	240	19.153	19.169	(1.000)	533625	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.158	19.174	(1.000)	11847	1.00000	1.000
	71 Chrysene	228	19.190	19.217	(1.002)	35744	1.00000	1.000
	72 bis(2-Ethylhexyl)phthalate	149	19.414	19.420	(0.954)	20881	1.00000	1.000
*	134 Di-n-octylphthalate-d4	153	20.344	20.354	(1.000)	671548	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	42955	1.00000	1.000
	74 Benzo(b)fluoranthene	252	20.776	20.803	(0.975)	37421	1.00000	1.000
	75 Benzo(k)fluoranthene	252	20.808	20.840	(0.977)	42406	1.00000	1.000
	187 Total Benzofluoranthenes	252	20.808	20.840	(0.977)	77462	2.00000	2.000 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
76	Benzo(a)pyrene	252	21.220	21.246	(0.996)	35052	1.00000	1.000
* 77	Perylene-d12	264	21.305	21.316	(1.000)	501426	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.689	22.720	(1.065)	46606	1.00000	1.000
79	Dibenzo(a,h)anthracene	278	22.710	22.747	(1.066)	34366	1.00000	1.000
80	Benzo(g,h,i)perylene	276	23.036	23.089	(1.081)	43155	1.00000	1.000
90	N-Nitrosodimethylamine	74	2.718	2.750	(0.358)	8653	1.00000	1.000
103	Pyridine	79	2.713	2.702	(0.357)	13072	1.00000	1.000(M)
91	Aniline	93	7.151	7.157	(0.942)	20217	1.00000	1.000
105	1-methylnaphthalene	141	10.965	10.975	(1.137)	22955	1.00000	1.000
93	Benzidine	184	17.102	17.107	(0.893)	12076	1.00000	1.000
111	Azobenzene (1,2-DP-Hydrazine)	77	13.646	13.667	(1.092)	26415	1.00000	1.000
143	1,4-Dioxane	88	2.152	2.168	(0.284)	5821	1.00000	1.000
$ 137	d8-1,4-Dioxane	96	2.109	2.125	(0.278)	5561	1.00000	1.000
144	alpha-Terpineol	59	9.715	9.731	(1.008)	7796	1.00000	1.000
98	Retene	219	17.753	17.759	(0.927)	11931	1.00000	1.000
133	Butylatedhydroxytoluene	205	12.695	12.706	(1.016)	21964	1.00000	1.000
115	Tributyl Phosphate	99	13.726	13.763	(0.924)	28341	1.00000	1.000
116	Dibutyl Phenyl Phosphate	175	15.446	15.457	(1.040)	17234	1.00000	1.000
117	Butyl Diphenyl Phosphate	94	17.123	17.134	(0.894)	6172	1.00000	1.000
118	Triphenyl Phosphate	326	18.720	18.731	(0.977)	5942	1.00000	1.000
123	Acetophenone	105	8.300	8.316	(1.094)	18028	1.00000	1.000
179	n-Decane	57	7.440	7.450	(0.980)	12744	1.00000	1.000
180	n-Octadecane	57	14.826	14.832	(0.998)	11732	1.00000	1.000
168	Pentachlorobenzene	250	12.850	12.866	(1.028)	10098	1.00000	1.000
113	Diphenyl Oxide	170	11.777	11.782	(0.942)	25762	1.00000	1.000
112	Biphenyl	154	11.579	11.590	(0.926)	31556	1.00000	
120	2,3,4,6-Tetrachlorophenol	232	13.107	13.112	(1.049)	6165	1.00000	1.000
151	1,2,4,5-Tetrachlorobenzene	216	11.136	11.141	(0.891)	13502	1.00000	1.000
110	Tetrachloroguaiacol	247	14.821	14.842	(0.997)	3748	2.00000	
109	3,4,5-Trichloroguaiacol	213	13.203	13.219	(0.889)	2088	1.00000	
181	3,4,6-Trichloroguaiacol	211	13.320	13.331	(1.755)	2419	1.00000	
108	4,5,6-Trichloroguaiacol	213	14.239	14.250	(1.139)	1998	1.00000	
184	3,4-Dichloroguaiacol	192	11.670	11.675	(1.538)	2055	1.00000	
107	4,5-Dichloroguaiacol	192	12.460	12.476	(0.997)	5561	2.00000	
182	4,6-Dichloroguaiacol	192	12.460	12.476	(1.642)	5561	2.00000	
185	4-Chloroguaiacol	115	10.586	10.596	(1.395)	1238	0.50000	
186	Carbaryl	144	15.686	15.702	(1.056)	13304	1.00000	1.000
106	Guaiacol	124	8.572	8.588	(1.129)	12877	1.00000	1.000

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: 07231002.D
Lab Smp Id: IC010723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC010723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	195617	7.02
27 Naphthalene-d8	584137	292068	1168274	619162	6.00
42 Acenaphthene-d10	320442	160221	640884	335561	4.72
59 Phenanthrene-d10	503793	251896	1007586	502252	-0.31
69 Chrysene-d12	532343	266172	1064686	533625	0.24
134 Di-n-octylphthala	719428	359714	1438856	671548	-6.66
77 Perylene-d12	517269	258634	1034538	501426	-3.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.03
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.03
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.15	-0.04
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.01
77 Perylene-d12	21.31	20.81	21.81	21.31	-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/20100723.b/07231002.D

Date : 23-JUL-2010 15:38

Client ID: IC010723

Sample Info: IC010723,

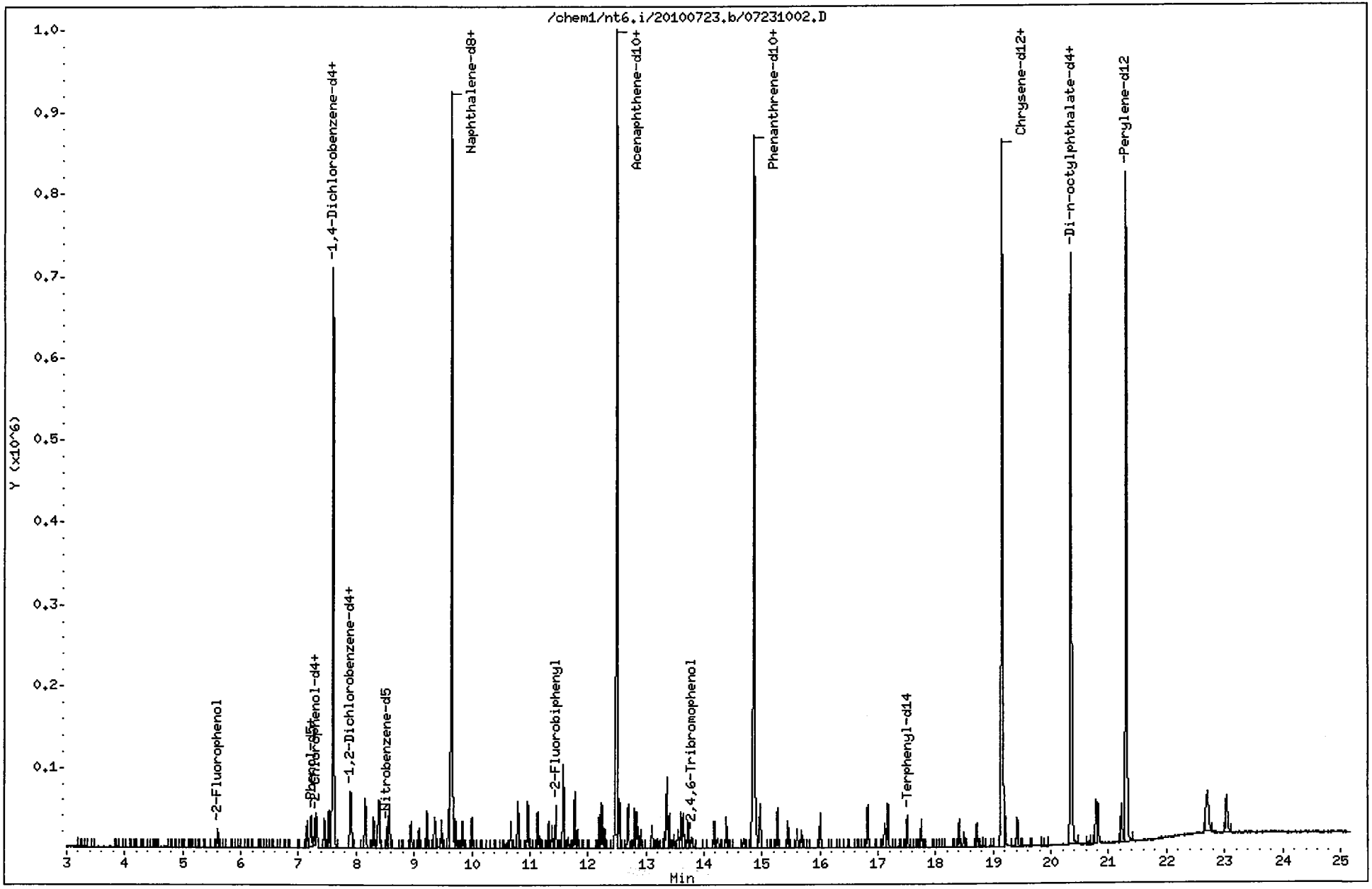
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ

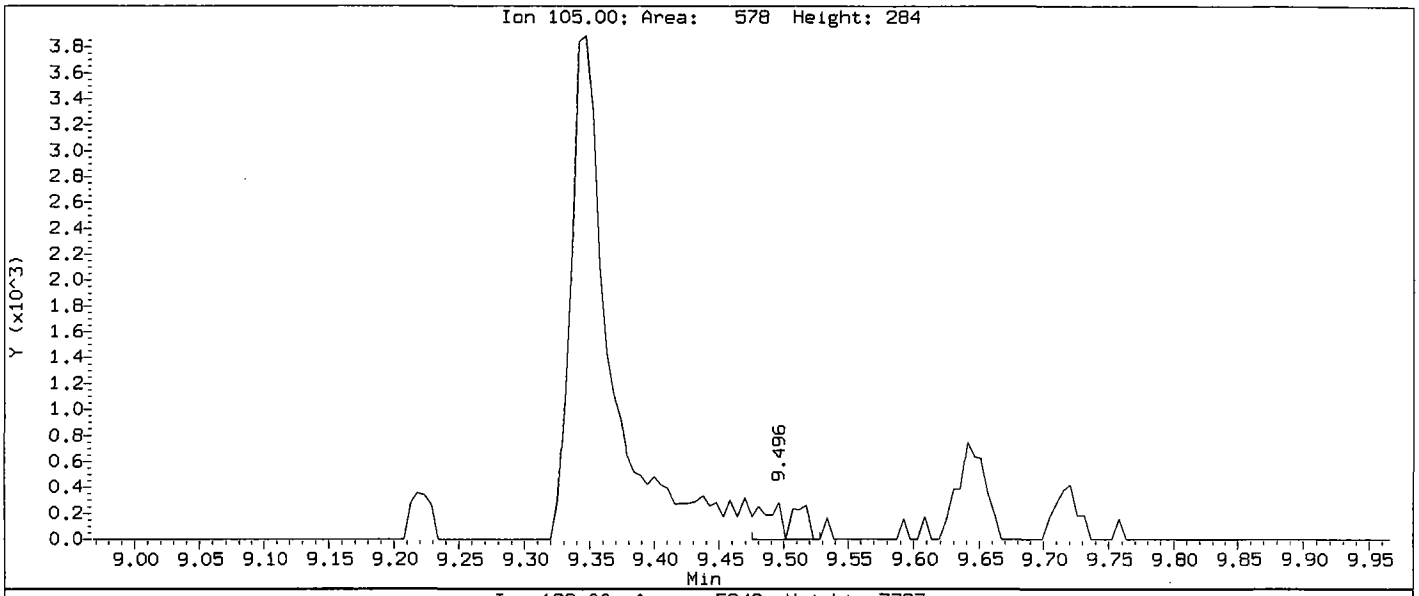
Column diameter: 0.32

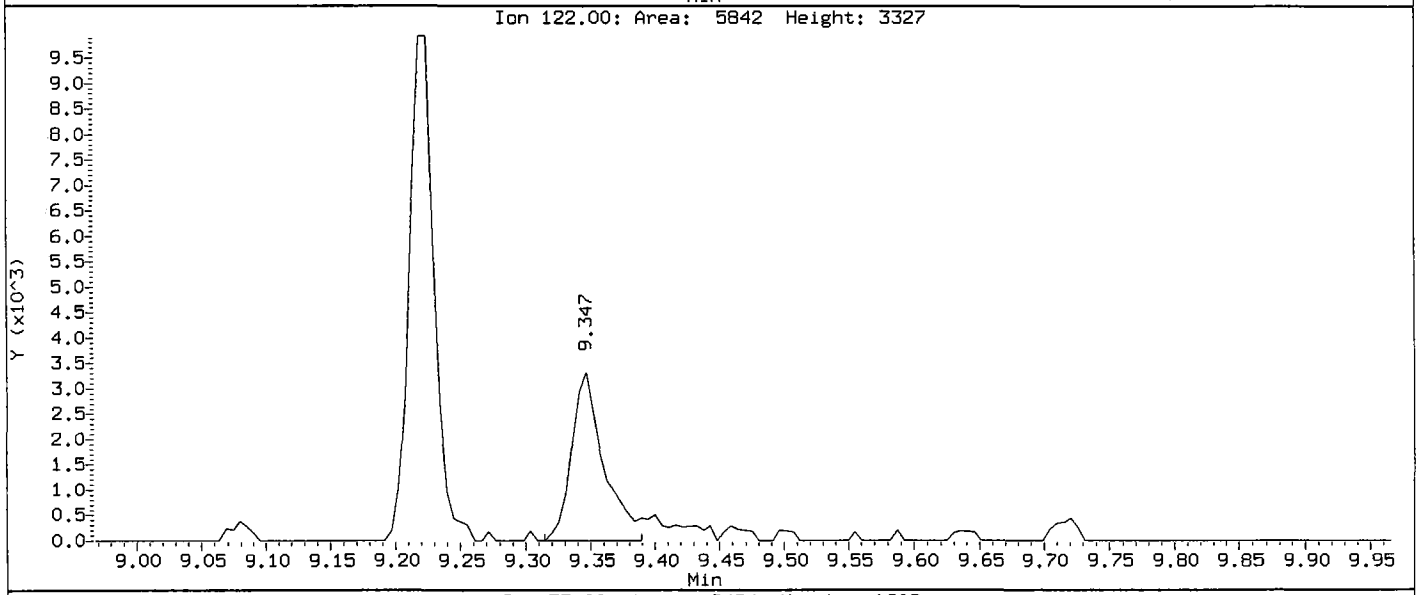
RGS8:00611

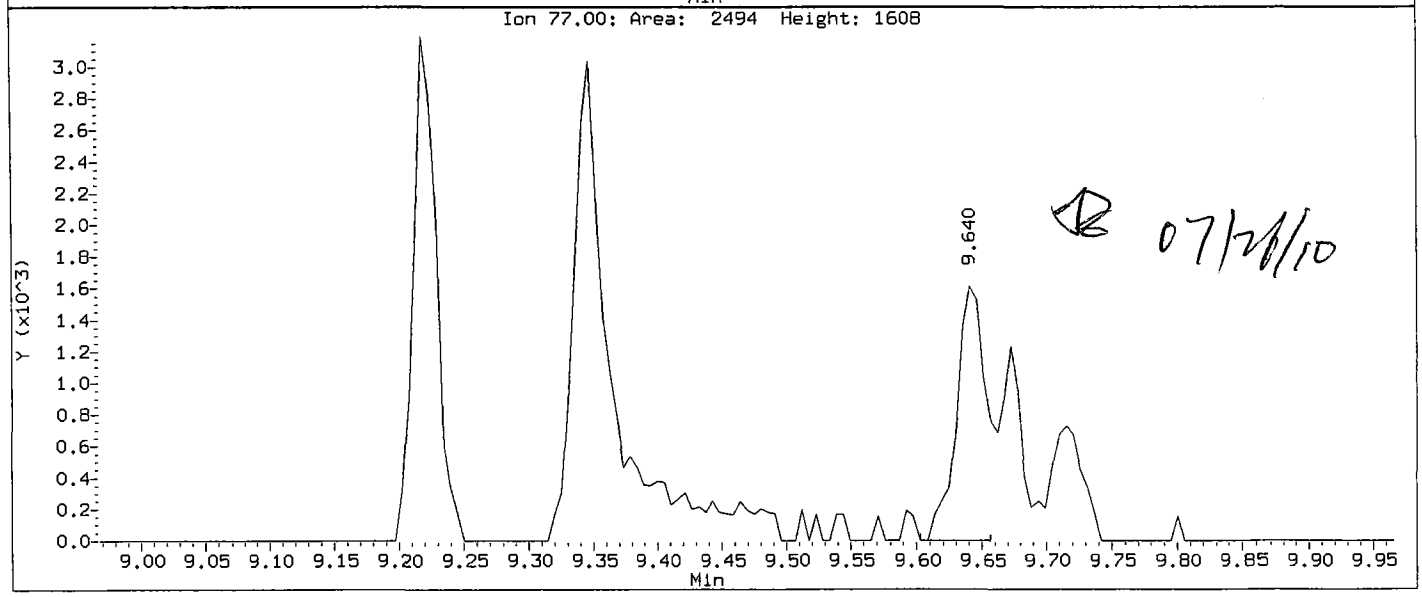


Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: Benzoic acid
CAS Number: 65-85-0





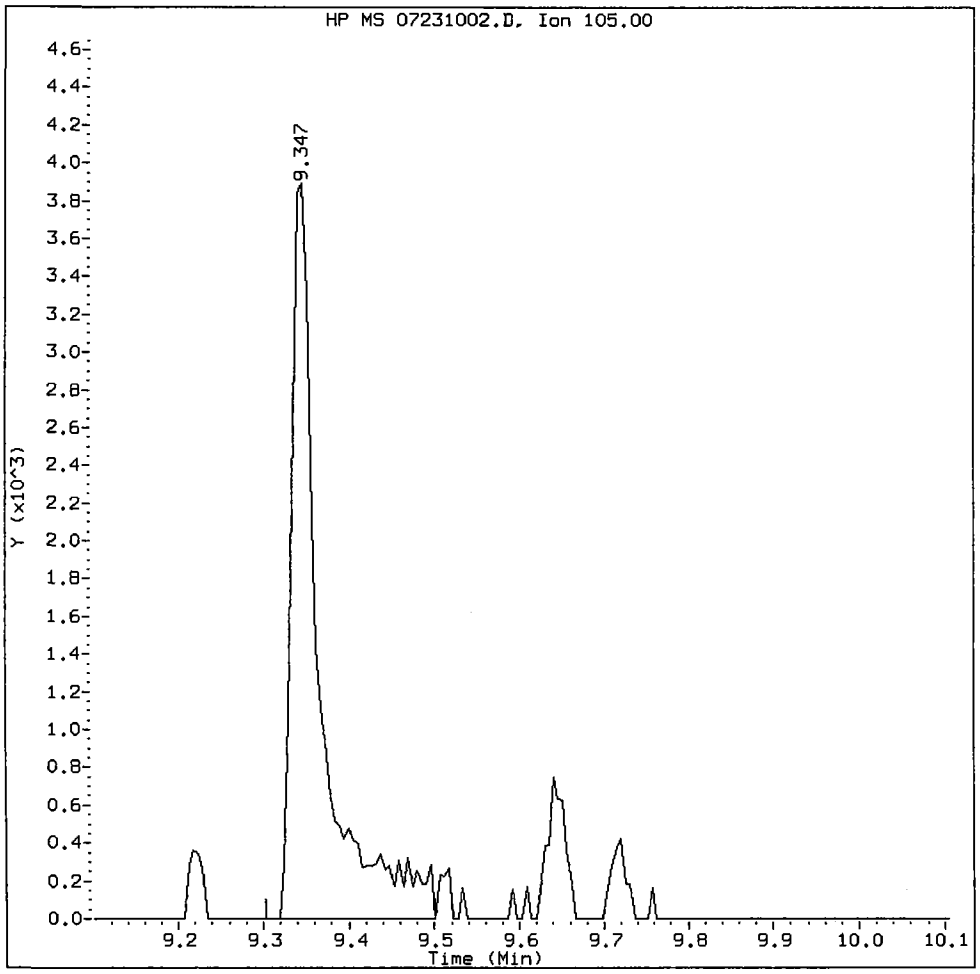


07/26/10

RG58:00612

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Benzoic acid Amount: 0.00 Area: 8860



MANUAL INTEGRATION for Benzoic acid

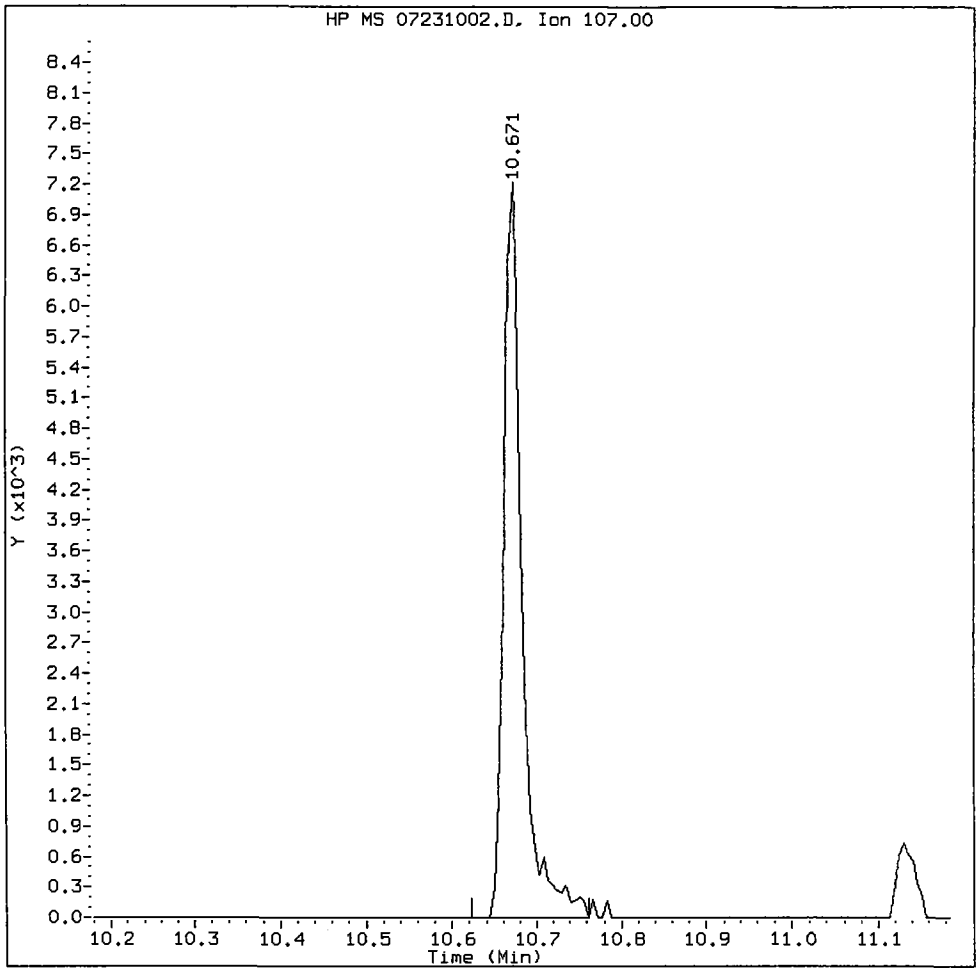
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Chloro-3-methylphenol Amount: 1.00 Area: 11158



MANUAL INTEGRATION for 4-Chloro-3-methylphenol

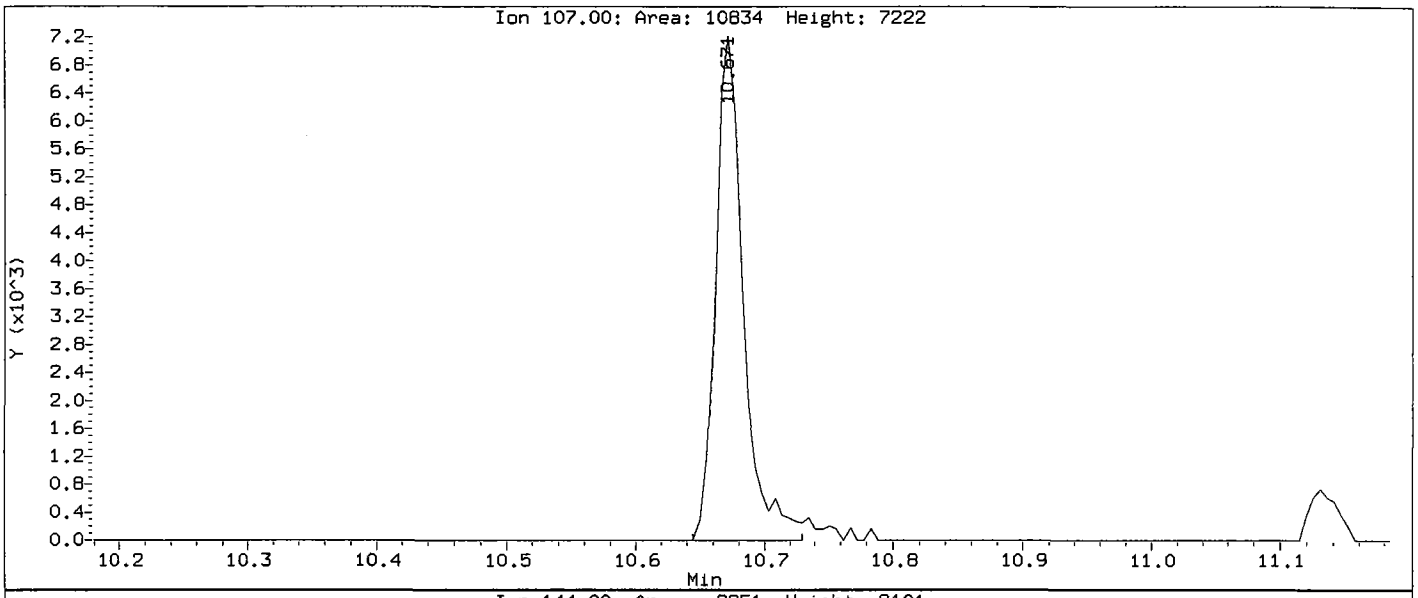
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

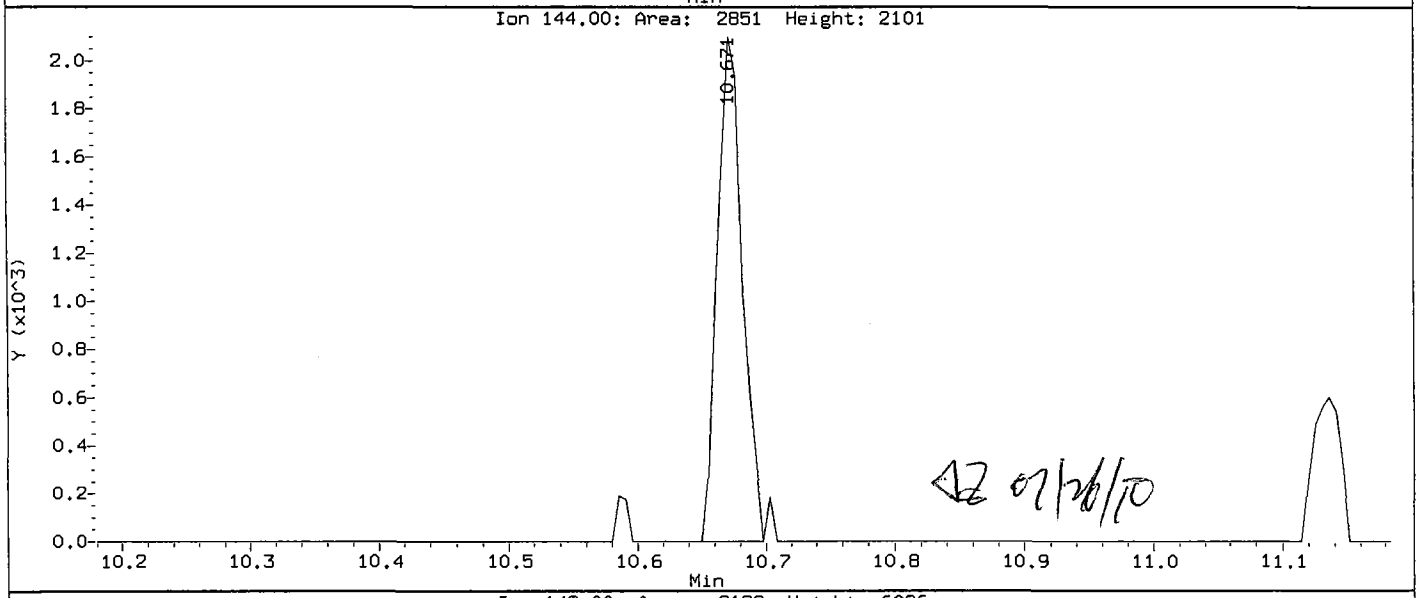
5. Other _____

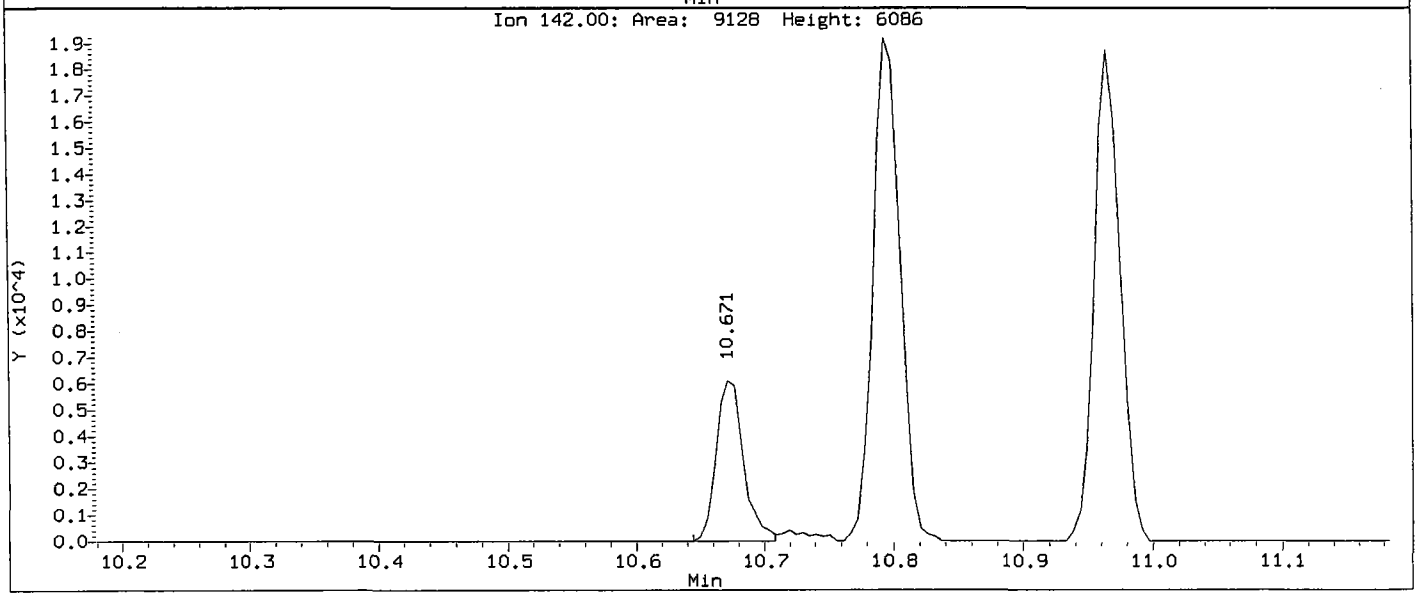
Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723A.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Chloro-3-methylphenol
CAS Number: 59-50-7

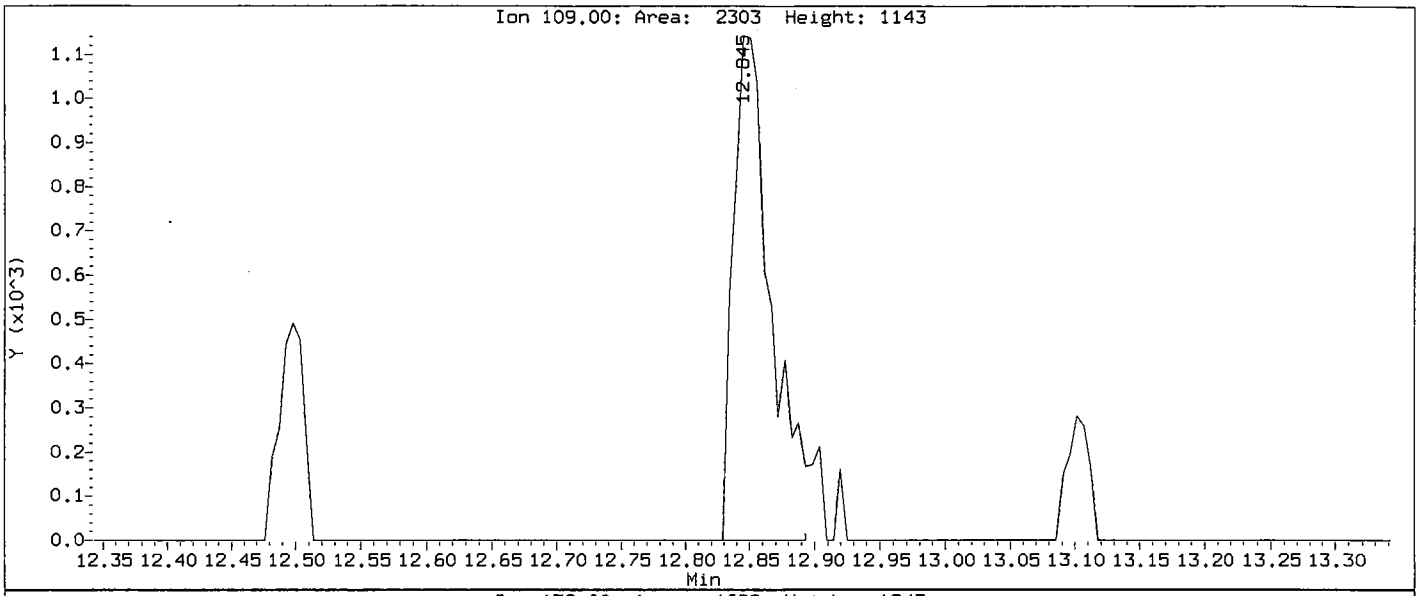


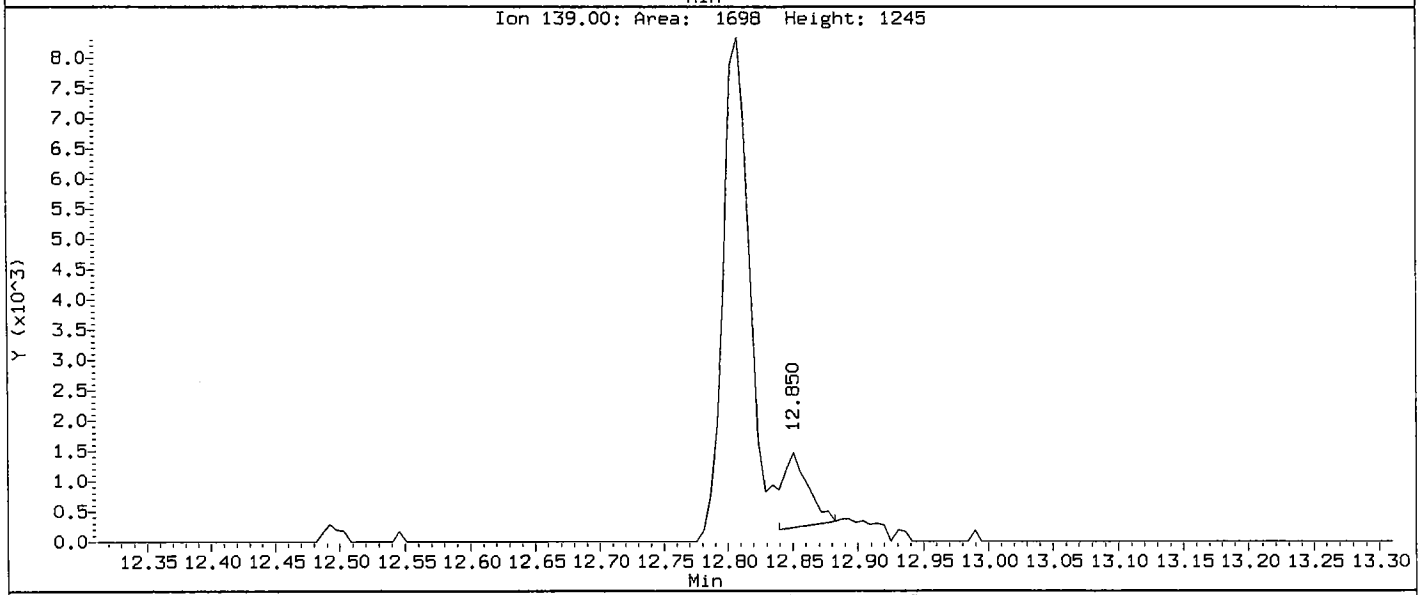


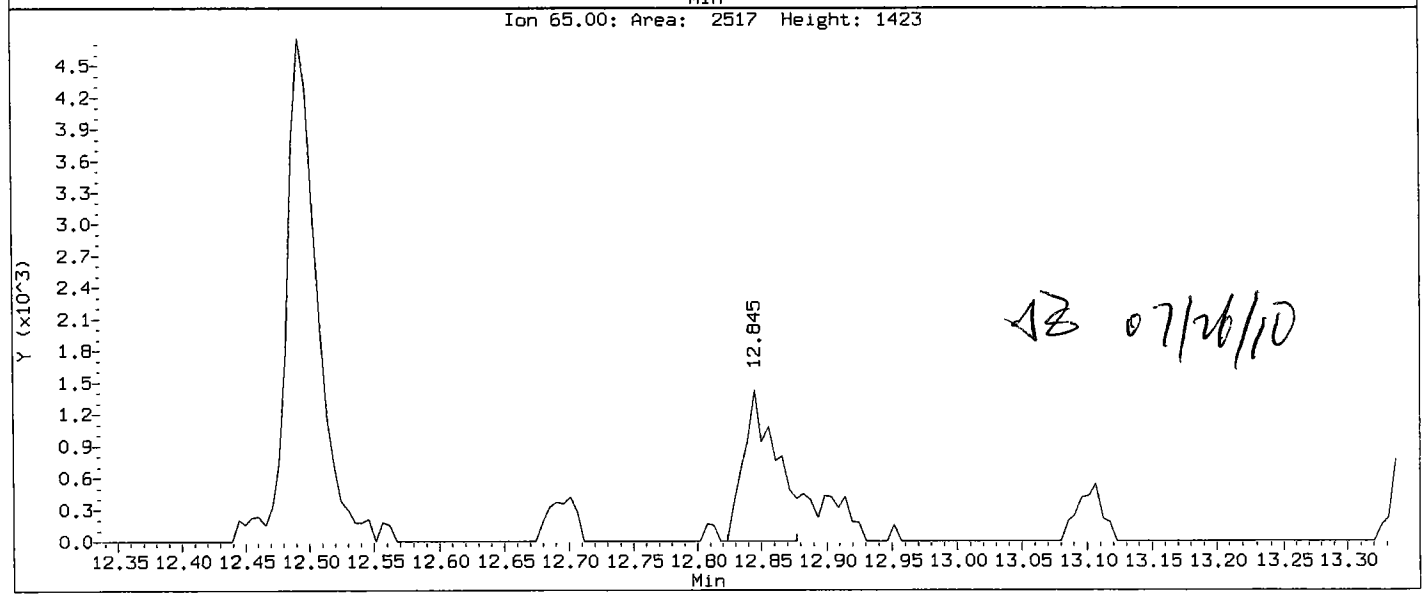


Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 4-Nitrophenol
CAS Number: 100-02-7





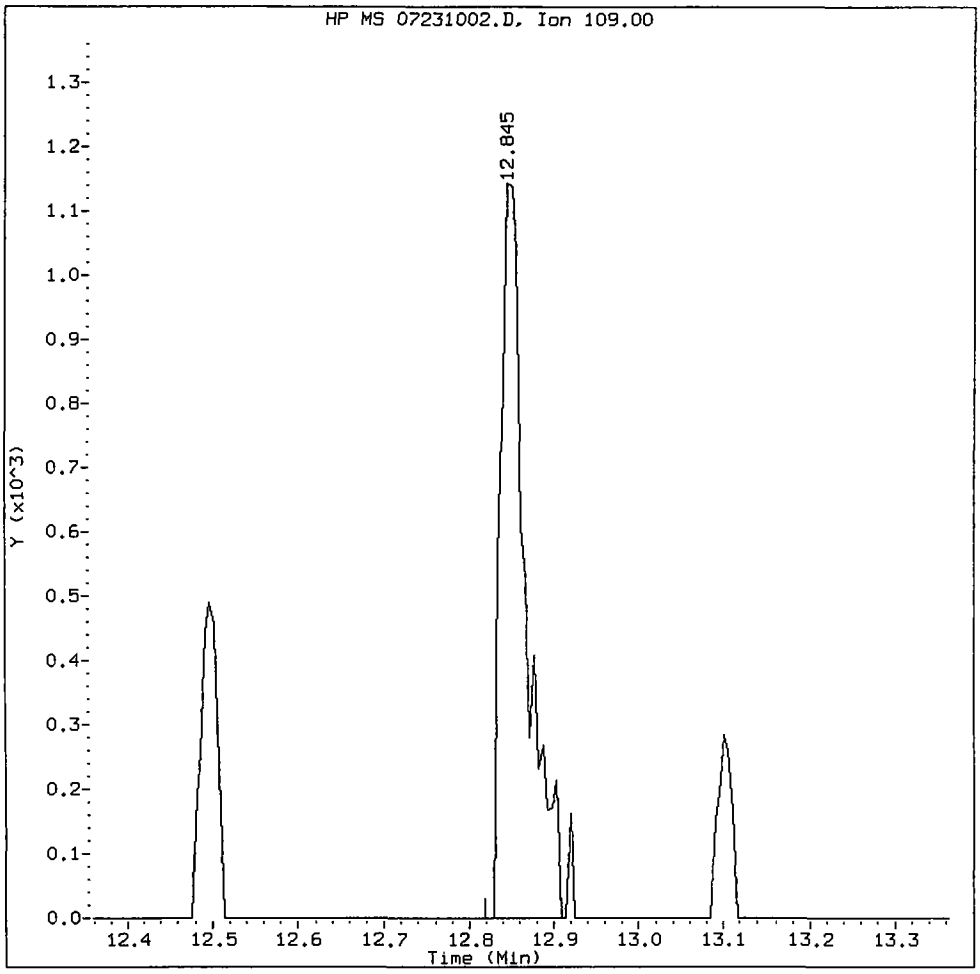


JB 07/26/10

RG58 : 00616

IC010723, /chem1/nt6.i/20100723.b/07231002.D

4-Nitrophenol Amount: 1.00 Area: 2427



MANUAL INTEGRATION for 4-Nitrophenol

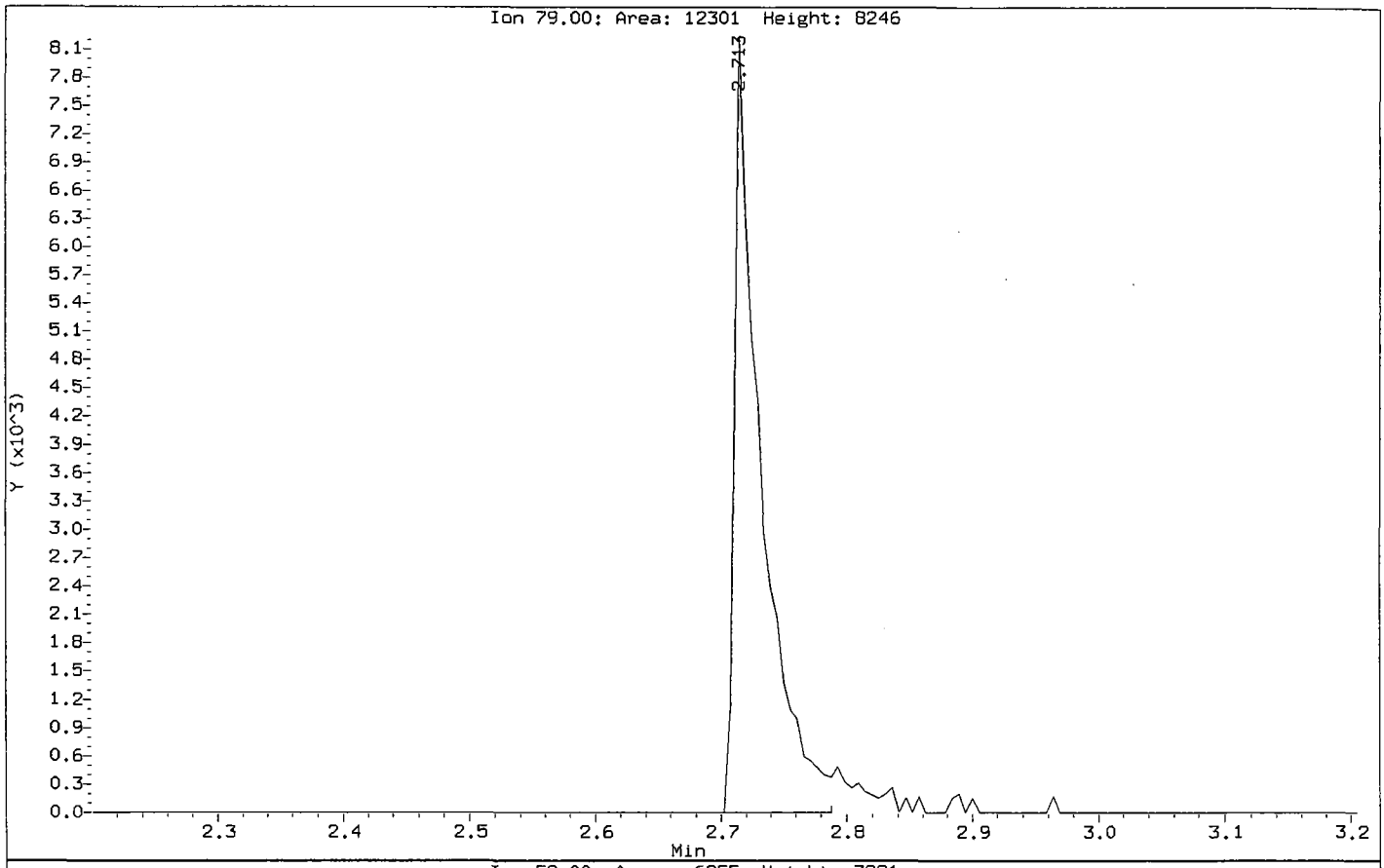
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

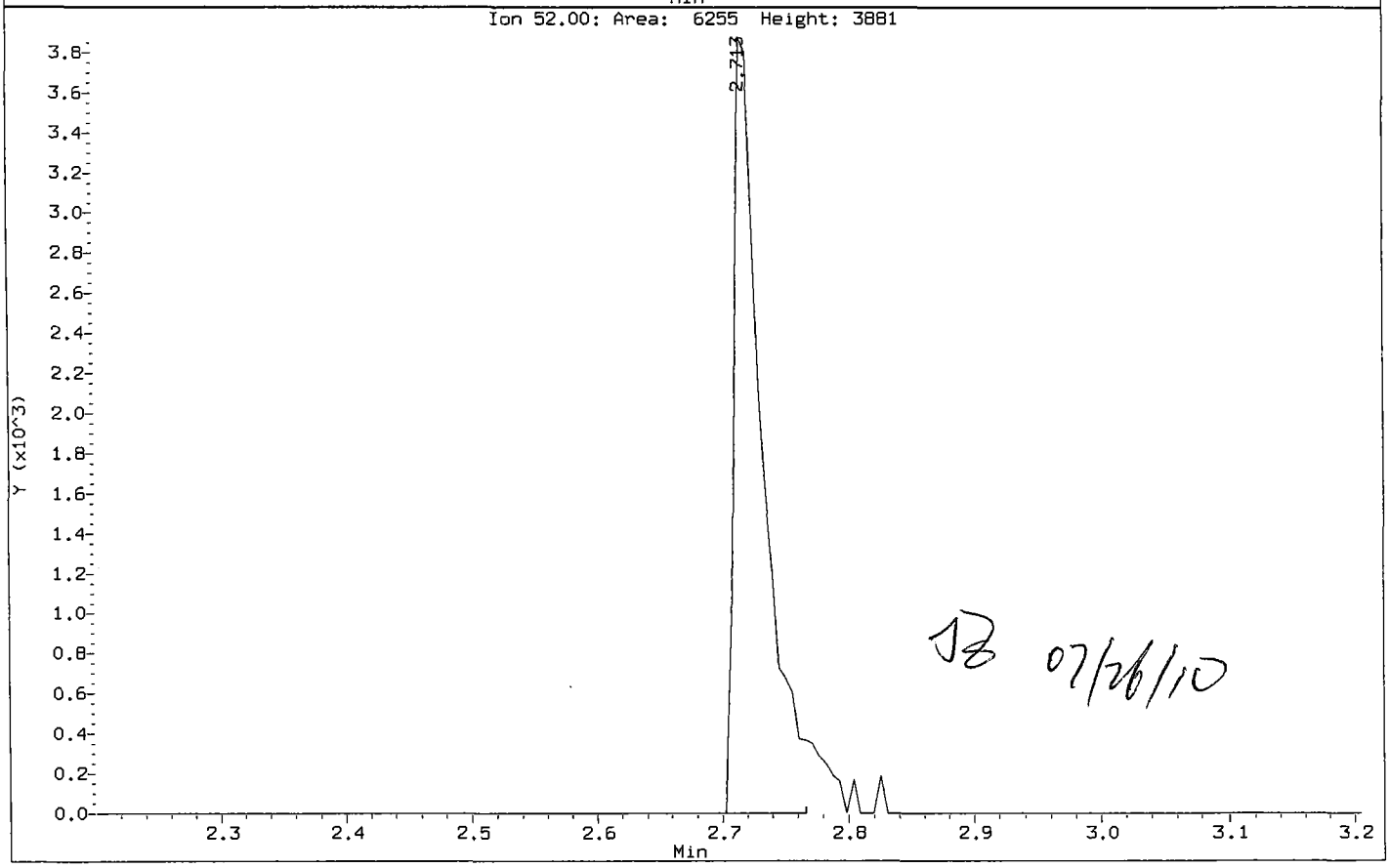
5. Other _____

Analyst: AZ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: Pyridine
CAS Number:

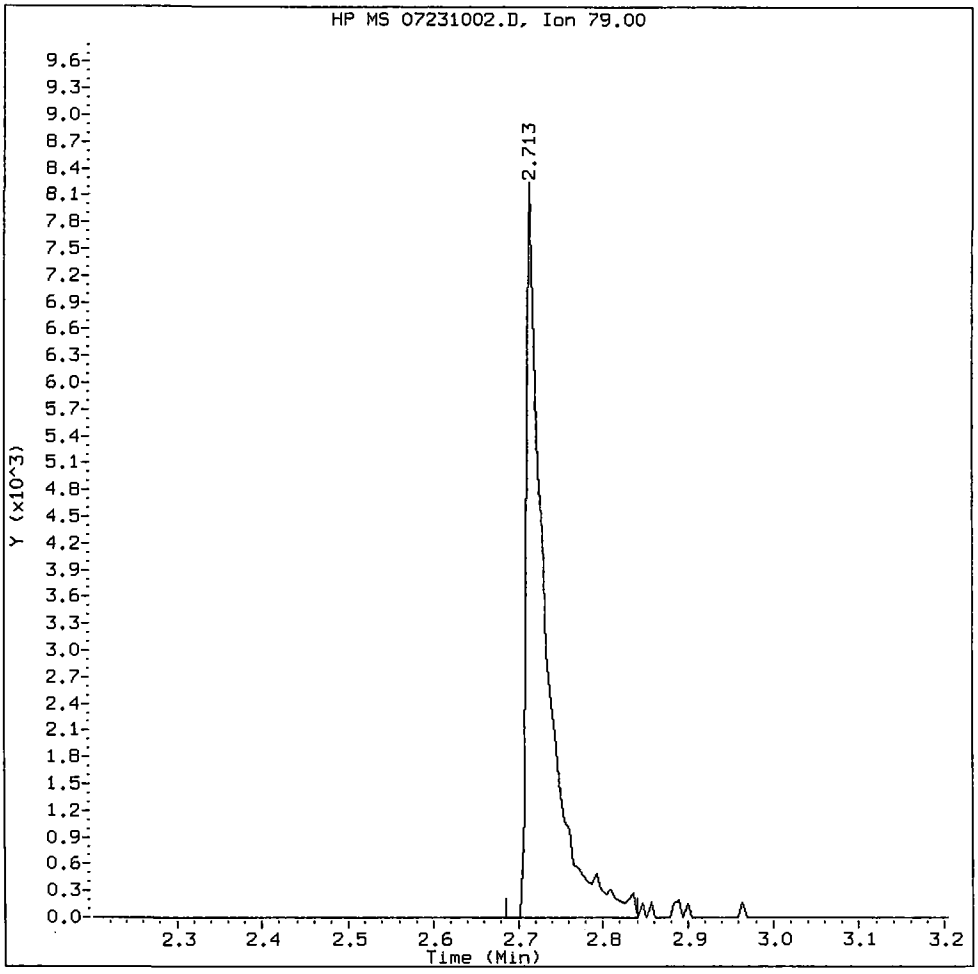




JB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Pyridine Amount: 1.00 Area: 13072



MANUAL INTEGRATION for Pyridine

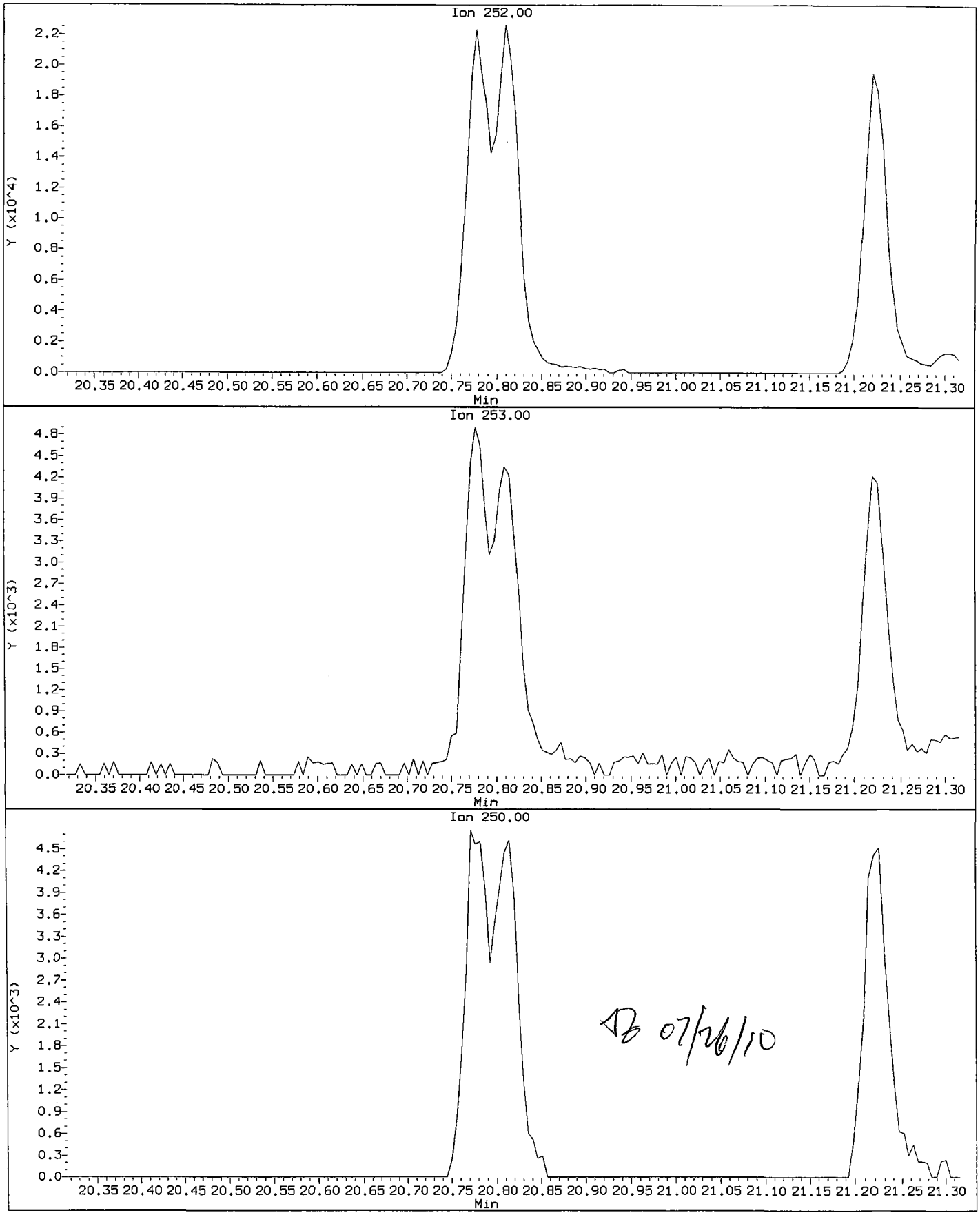
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

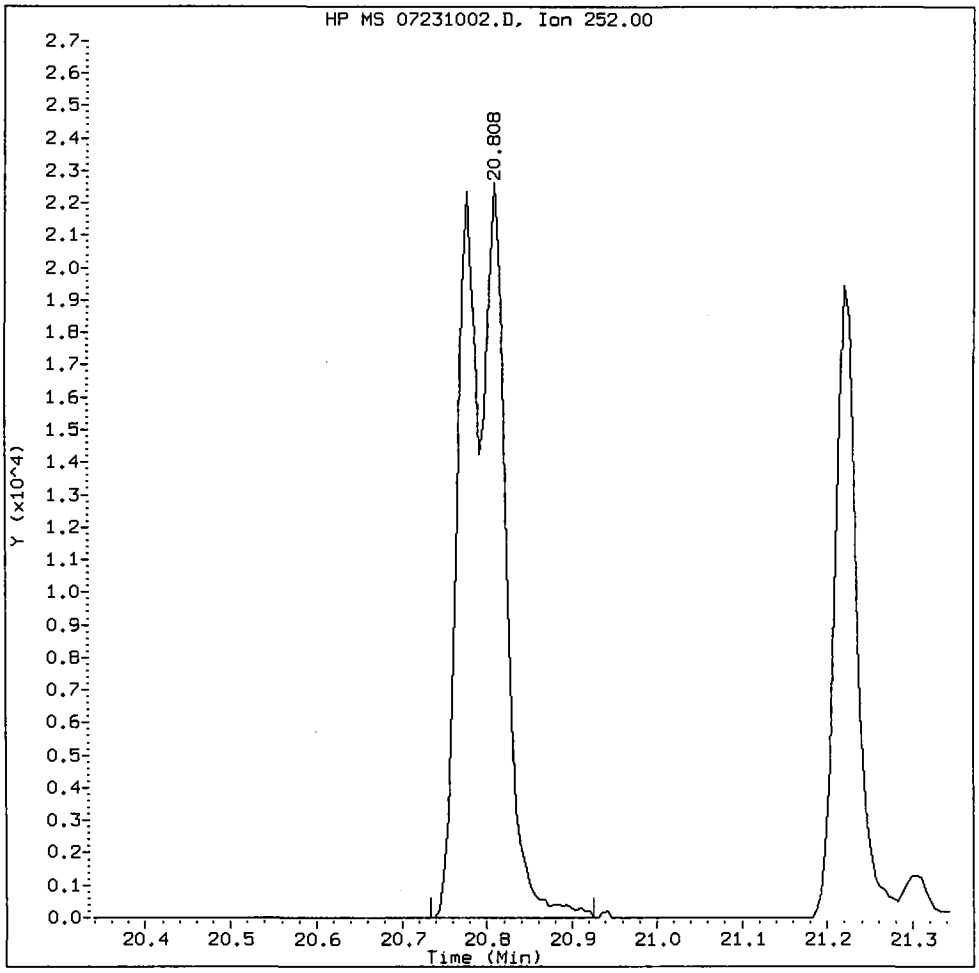
Compound: Total Benzofluoranthenes
CAS Number:



DB 07/26/10

IC010723, /chem1/nt6.i/20100723.b/07231002.D

Total Benzofluoranthenes Amount: 2.00 Area: 77462



MANUAL INTEGRATION for Total Benzofluoranthenes

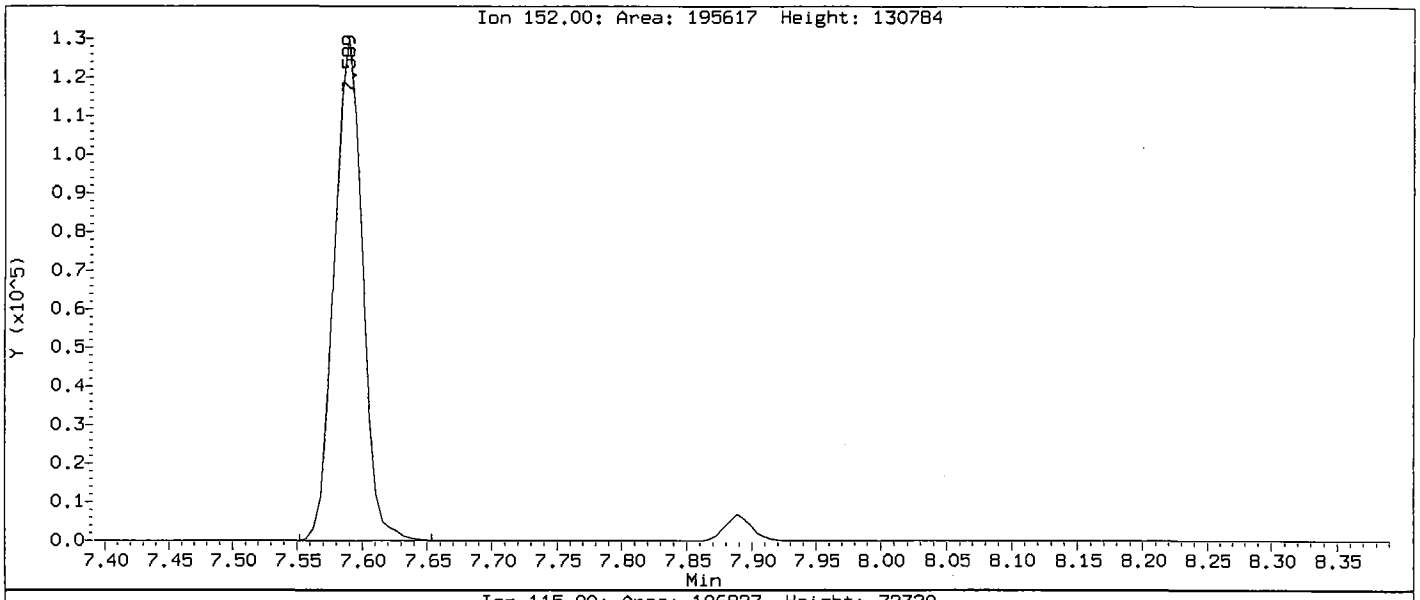
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

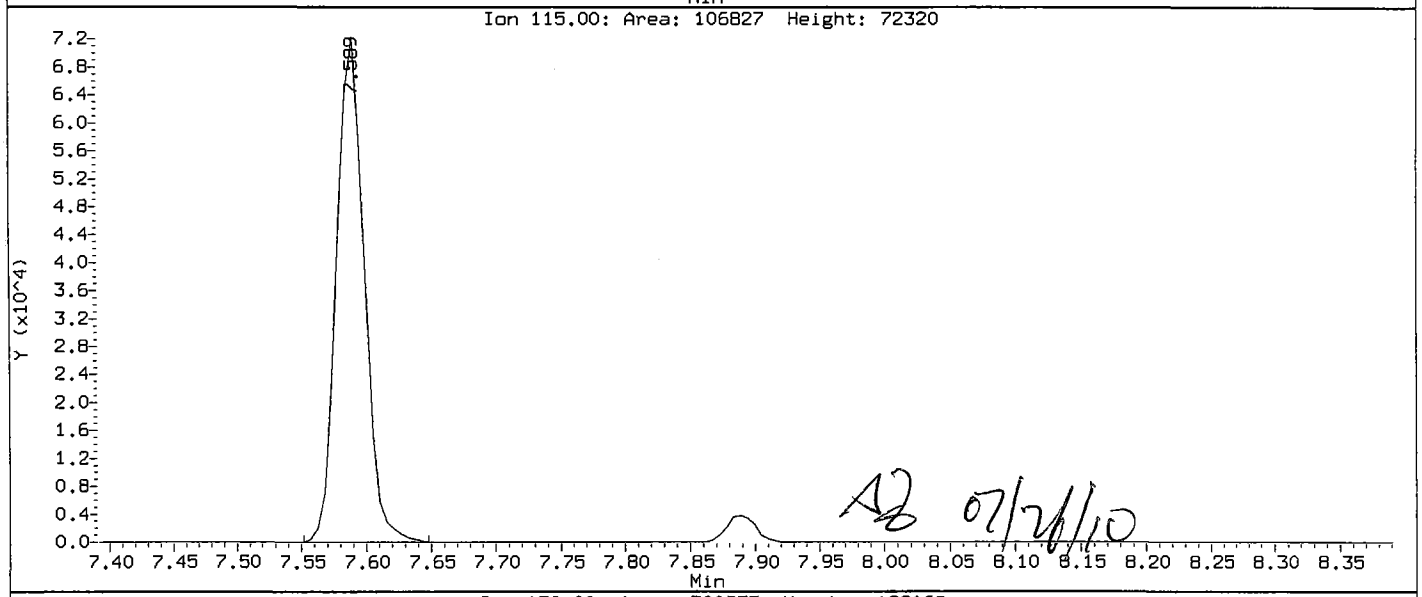
5. Other _____

Analyst: _____ Date: 07/26/10

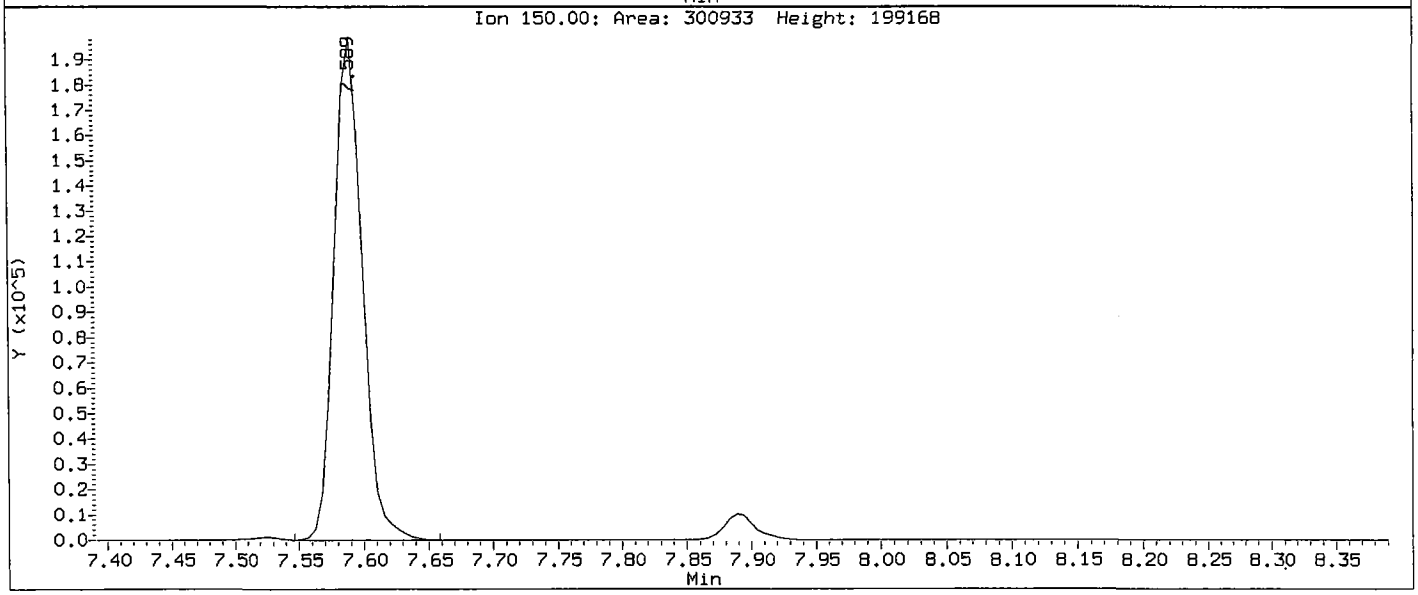
Data File: /chem1/nt6.i/20100723.b/07231002.D
Injection Date: 23-JUL-2010 15:38
Instrument: nt6.i
Client Sample ID: IC010723

Compound: 1,2-Dichlorobenzene-d4
CAS Number: 2199-69-1



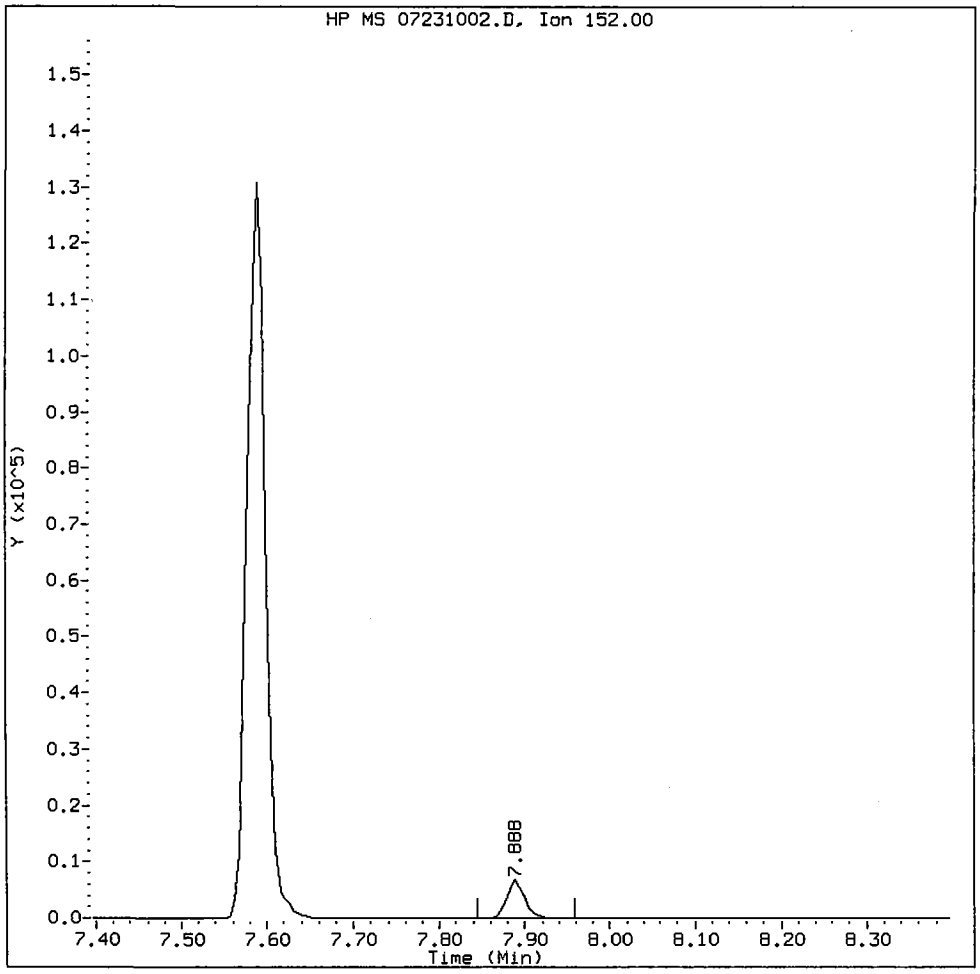


AB 07/26/10



IC010723, /chem1/nt6.i/20100723.b/07231002.D

1,2-Dichlorobenzene-d4 Amount: 1.00 Area: 9473



MANUAL INTEGRATION for 1,2-Dichlorobenzene-d4

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation
5. Other RT correction

Analyst: [signature] Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231003.D
Lab Smp Id: IC050723 Client Smp ID: IC050723
Inj Date : 23-JUL-2010 16:16
Operator : JZ Inst ID: nt6.i
Smp Info : IC050723,
Misc Info : 10-
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Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.601	5.610	(0.738)	62073	5.00000	4.981
$	2 Phenol-d5	99	7.204	7.218	(0.949)	73294	5.00000	4.782
	3 Phenol	94	7.220	7.237	(0.951)	91025	5.00000	5.038
$	5 2-Chlorophenol-d4	132	7.295	7.303	(0.961)	61520	5.00000	4.683
	4 Bis(2-Chloroethyl)ether	93	7.273	7.290	(0.958)	64256	5.00000	4.742
	6 2-Chlorophenol	128	7.316	7.327	(0.964)	76417	5.00000	4.949
	7 1,3-Dichlorobenzene	146	7.524	7.530	(0.992)	84066	5.00000	4.777
*	8 1,4-Dichlorobenzene-d4	152	7.588	7.595	(1.000)	188843	20.0000	
	9 1,4-Dichlorobenzene	146	7.615	7.621	(1.004)	80512	5.00000	4.771
$	10 1,2-Dichlorobenzene-d4	152	7.887	7.896	(1.039)	42333	5.00000	4.807
	12 1,2-Dichlorobenzene	146	7.909	7.915	(1.042)	77428	5.00000	4.752
	11 Benzyl alcohol	108	7.893	7.910	(1.040)	37693	5.00000	5.074
	14 2,2'-oxybis(1-Chloropropane)	45	8.160	8.161	(1.075)	68852	5.00000	4.830
	13 2-Methylphenol	108	8.155	8.166	(1.075)	65950	5.00000	5.028
	17 Hexachloroethane	117	8.400	8.406	(1.107)	29693	5.00000	4.763
	16 N-Nitroso-di-n-propylamine	70	8.368	8.390	(1.103)	42945	5.00000	4.840
	15 4-Methylphenol	108	8.389	8.406	(1.106)	67797	5.00000	5.177
$	18 Nitrobenzene-d5	82	8.528	8.542	(0.885)	56653	5.00000	4.683
	19 Nitrobenzene	77	8.560	8.572	(0.888)	67842	5.00000	4.754
	20 Isophorone	82	8.945	8.967	(0.928)	104816	5.00000	4.812
	21 2-Nitrophenol	139	9.079	9.090	(0.942)	39084	5.00000	5.159
	22 2,4-Dimethylphenol	107	9.217	9.234	(0.956)	68790	5.00000	5.014
	23 Bis(2-Chloroethoxy)methane	93	9.356	9.373	(0.971)	72352	5.00000	4.787
	24 Benzoic acid	105	9.383	9.603	(0.973)	76776	10.0000	10.00
	25 2,4-Dichlorophenol	162	9.474	9.485	(0.983)	59625	5.00000	5.154
	26 1,2,4-Trichlorobenzene	180	9.591	9.597	(0.995)	61064	5.00000	4.715
*	27 Naphthalene-d8	136	9.639	9.651	(1.000)	605649	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	9.671	9.683	(1.003)	181764	5.00000	4.719
	29 4-Chloroaniline	127	9.837	9.843	(1.020)	72237	5.00000	4.855
	30 Hexachlorobutadiene	225	10.003	10.009	(1.038)	34322	5.00000	4.693
	31 4-Chloro-3-methylphenol	107	10.670	10.682	(1.107)	55875	5.00000	5.059
	32 2-Methylnaphthalene	141	10.798	10.805	(1.120)	96623	5.00000	4.673
	33 Hexachlorocyclopentadiene	237	11.183	11.184	(0.895)	24140	5.00000	5.946
	34 2,4,6-Trichlorophenol	196	11.322	11.333	(0.906)	38607	5.00000	5.224
	35 2,4,5-Trichlorophenol	196	11.380	11.392	(0.911)	38732	5.00000	4.978
$	36 2-Fluorobiphenyl	172	11.450	11.453	(0.916)	116339	5.00000	4.614
	37 2-Chloronaphthalene	162	11.567	11.579	(0.926)	115487	5.00000	4.767
	38 2-Nitroaniline	65	11.818	11.835	(0.946)	26745	5.00000	5.052
	39 Dimethylphthalate	163	12.198	12.220	(0.976)	122958	5.00000	4.779
	40 Acenaphthylene	152	12.246	12.252	(0.980)	181028	5.00000	4.802
	41 2,6-Dinitrotoluene	165	12.288	12.305	(0.983)	28217	5.00000	5.140
*	42 Acenaphthene-d10	164	12.497	12.503	(1.000)	328204	20.0000	
	43 3-Nitroaniline	138	12.497	12.519	(1.000)	27727	5.00000	5.095
	44 Acenaphthene	153	12.545	12.562	(1.004)	107606	5.00000	4.750
	45 2,4-Dinitrophenol	184	12.662	12.690	(1.013)	26211	10.0000	10.00
	46 Dibenzofuran	168	12.807	12.823	(1.025)	142947	5.00000	4.692
	47 4-Nitrophenol	109	12.839	12.861	(1.027)	15729	5.00000	5.699(M)
	48 2,4-Dinitrotoluene	165	12.908	12.930	(1.033)	35468	5.00000	5.102
	50 Diethylphthalate	149	13.351	13.368	(1.068)	118248	5.00000	4.653
	49 Fluorene	166	13.362	13.379	(1.069)	123844	5.00000	4.667
	51 4-Chlorophenyl-phenylether	204	13.399	13.411	(1.072)	58261	5.00000	4.772
	52 4-Nitroaniline	138	13.485	13.523	(1.079)	28297	5.00000	5.191
	53 4,6-Dinitro-2-methylphenol	198	13.554	13.593	(0.912)	43858	10.0000	10.00
	54 N-Nitrosodiphenylamine	169	13.608	13.630	(0.916)	87899	5.00000	4.840
$	55 2,4,6-Tribromophenol	330	13.784	13.798	(1.103)	13235	5.00000	4.914
	56 4-Bromophenyl-phenylether	248	14.179	14.185	(0.954)	35138	5.00000	4.831
	57 Hexachlorobenzene	284	14.382	14.399	(0.968)	37907	5.00000	4.835
	58 Pentachlorophenol	266	14.692	14.704	(0.989)	19791	5.00000	5.789
*	59 Phenanthrene-d10	188	14.858	14.869	(1.000)	492773	20.0000	
	60 Phenanthrene	178	14.895	14.912	(1.003)	159461	5.00000	4.707
	61 Anthracene	178	14.964	14.987	(1.007)	166219	5.00000	4.775
	62 Carbazole	167	15.263	15.280	(1.027)	158046	5.00000	4.841
	63 Di-n-butylphthalate	149	16.001	16.012	(1.077)	192052	5.00000	5.004
	64 Fluoranthene	202	16.823	16.835	(1.132)	177338	5.00000	4.949
	65 Pyrene	202	17.176	17.187	(0.897)	178662	5.00000	4.347
$	66 Terphenyl-d14	244	17.512	17.515	(0.914)	96507	5.00000	4.220
	67 Butylbenzylphthalate	149	18.404	18.421	(0.961)	80552	5.00000	4.651
	68 Benzo(a)anthracene	228	19.130	19.147	(0.999)	166136	5.00000	4.340
*	69 Chrysene-d12	240	19.157	19.169	(1.000)	623042	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.162	19.174	(1.000)	55077	5.00000	4.433
	71 Chrysene	228	19.194	19.217	(1.002)	155906	5.00000	4.276
	72 bis(2-Ethylhexyl)phthalate	149	19.413	19.420	(0.954)	108145	5.00000	5.037
*	134 Di-n-octylphthalate-d4	153	20.343	20.354	(1.000)	685489	20.0000	
	73 Di-n-octylphthalate	149	20.354	20.360	(1.001)	194029	5.00000	4.695

	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	20.781	20.803	(0.975)	166719	5.00000	4.671
75	Benzo(k)fluoranthene	252	20.813	20.840	(0.977)	198908	5.00000	4.799
187	Total Benzofluoranthenes	252	20.813	20.840	(0.977)	344081	10.0000	9.327(M)
76	Benzo(a)pyrene	252	21.224	21.246	(0.996)	164015	5.00000	4.793
* 77	Perylene-d12	264	21.304	21.316	(1.000)	509773	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.688	22.720	(1.065)	216702	5.00000	4.777
79	Dibenzo(a,h)anthracene	278	22.714	22.747	(1.066)	169511	5.00000	4.925
80	Benzo(g,h,i)perylene	276	23.040	23.089	(1.081)	196333	5.00000	4.723
90	N-Nitrosodimethylamine	74	2.717	2.750	(0.358)	39738	5.00000	4.876
103	Pyridine	79	2.696	2.702	(0.355)	71561	5.00000	5.314
91	Aniline	93	7.150	7.157	(0.942)	95044	5.00000	4.934
105	1-methylnaphthalene	141	10.964	10.975	(1.137)	100691	5.00000	4.728
93	Benzidine	184	17.095	17.107	(0.892)	68739	5.00000	4.937
111	Azobenzene (1,2-DP-Hydrazine)	77	13.650	13.667	(1.092)	117681	5.00000	4.767
143	1,4-Dioxane	88	2.146	2.168	(0.283)	26093	5.00000	4.815
$ 137	d8-1,4-Dioxane	96	2.103	2.125	(0.277)	25422	5.00000	4.864
144	alpha-Terpineol	59	9.714	9.731	(1.008)	36496	5.00000	4.891
98	Retene	219	17.747	17.759	(0.926)	57705	5.00000	4.531
133	Butylatedhydroxytoluene	205	12.694	12.706	(1.016)	99782	5.00000	4.816
115	Tributyl Phosphate	99	13.731	13.763	(0.924)	140283	5.00000	5.022
116	Dibutyl Phenyl Phosphate	175	15.445	15.457	(1.040)	93863	5.00000	5.261
117	Butyl Diphenyl Phosphate	94	17.122	17.134	(0.894)	31549	5.00000	4.668
118	Triphenyl Phosphate	326	18.714	18.731	(0.977)	28800	5.00000	4.536
123	Acetophenone	105	8.299	8.316	(1.094)	81853	5.00000	4.847
179	n-Decane	57	7.444	7.450	(0.981)	53416	5.00000	4.648
180	n-Octadecane	57	14.825	14.832	(0.998)	52425	5.00000	4.767
168	Pentachlorobenzene	250	12.849	12.866	(1.028)	43692	5.00000	4.694
113	Diphenyl Oxide	170	11.776	11.782	(0.942)	108267	5.00000	4.622
112	Biphenyl	154	11.578	11.590	(0.926)	131006	5.00000	5.000
120	2,3,4,6-Tetrachlorophenol	232	13.100	13.112	(1.048)	32722	5.00000	5.205
151	1,2,4,5-Tetrachlorobenzene	216	11.135	11.141	(0.891)	60230	5.00000	4.770
110	Tetrachloroguaiacol	247	14.820	14.842	(0.997)	36086	10.0000	10.00
109	3,4,5-Trichloroguaiacol	213	13.202	13.219	(0.889)	18448	5.00000	5.000
181	3,4,6-Trichloroguaiacol	211	13.314	13.331	(1.755)	21749	5.00000	5.000
108	4,5,6-Trichloroguaiacol	213	14.238	14.250	(1.139)	18514	5.00000	5.000
184	3,4-Dichloroguaiacol	192	11.669	11.675	(1.538)	19386	5.00000	5.000
107	4,5-Dichloroguaiacol	192	12.459	12.476	(0.997)	48672	10.0000	10.00
182	4,6-Dichloroguaiacol	192	12.459	12.476	(1.642)	48672	10.0000	10.00
185	4-Chloroguaiacol	115	10.590	10.596	(1.396)	12618	2.50000	2.500
186	Carbaryl	144	15.680	15.702	(1.055)	58301	5.00000	4.718
106	Guaiacol	124	8.571	8.588	(1.129)	58543	5.00000	4.850

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: 07231003.D
Lab Smp Id: IC050723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC050723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	188843	3.31
27 Naphthalene-d8	584137	292068	1168274	605649	3.68
42 Acenaphthene-d10	320442	160221	640884	328204	2.42
59 Phenanthrene-d10	503793	251896	1007586	492773	-2.19
69 Chrysene-d12	532343	266172	1064686	623042	17.04
134 Di-n-octylphthala	719428	359714	1438856	685489	-4.72
77 Perylene-d12	517269	258634	1034538	509773	-1.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.05
27 Naphthalene-d8	9.64	9.14	10.14	9.64	-0.04
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.03
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	-0.02
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.02
134 Di-n-octylphthala	20.35	19.85	20.85	20.34	-0.02
77 Perylene-d12	21.31	20.81	21.81	21.30	-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.

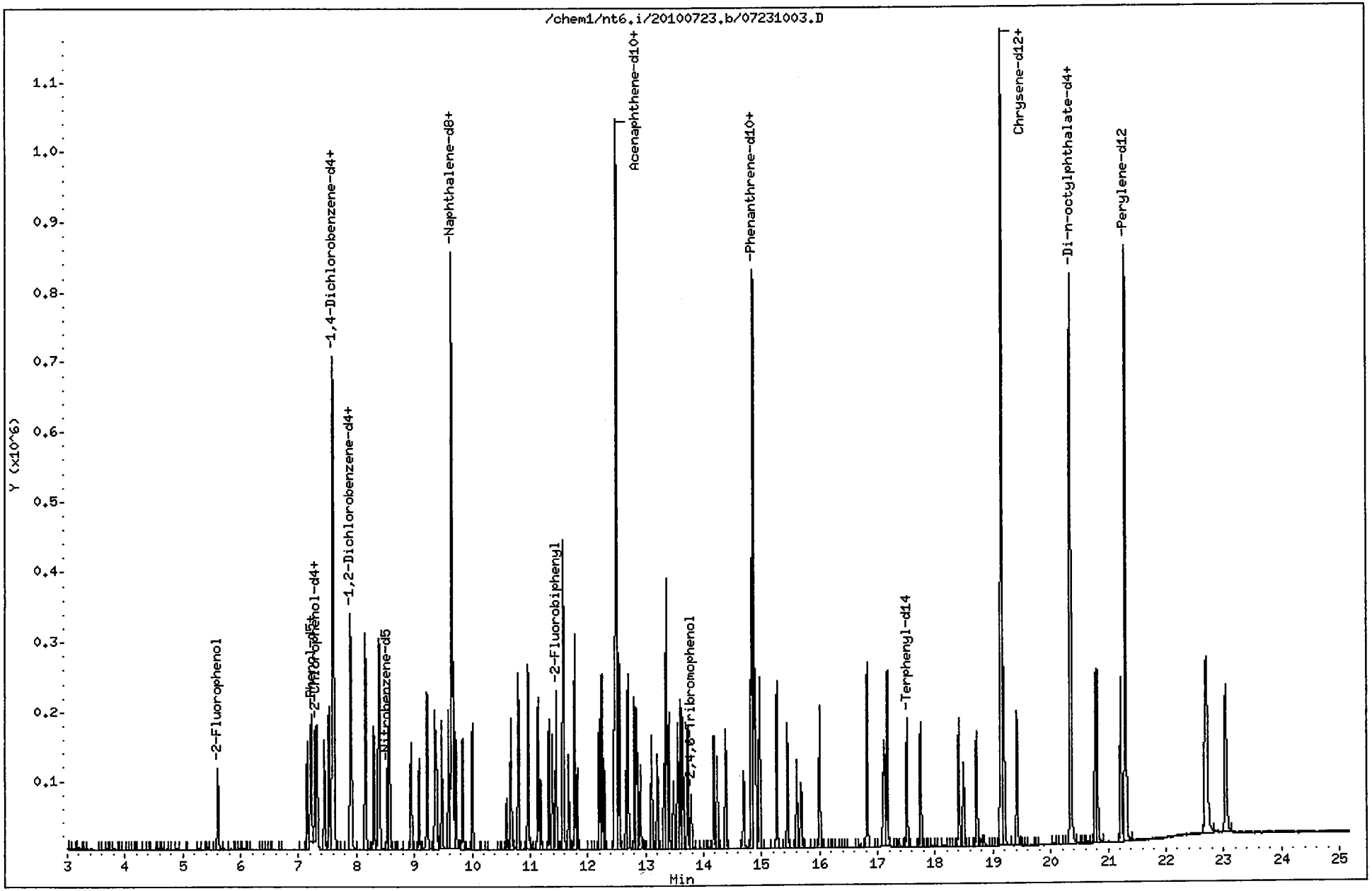
Data File: /chem1/nt6.i/20100723.b/07231003.D
Date : 23-JUL-2010 16:16
Client ID: IC050723
Sample Info: IC050723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

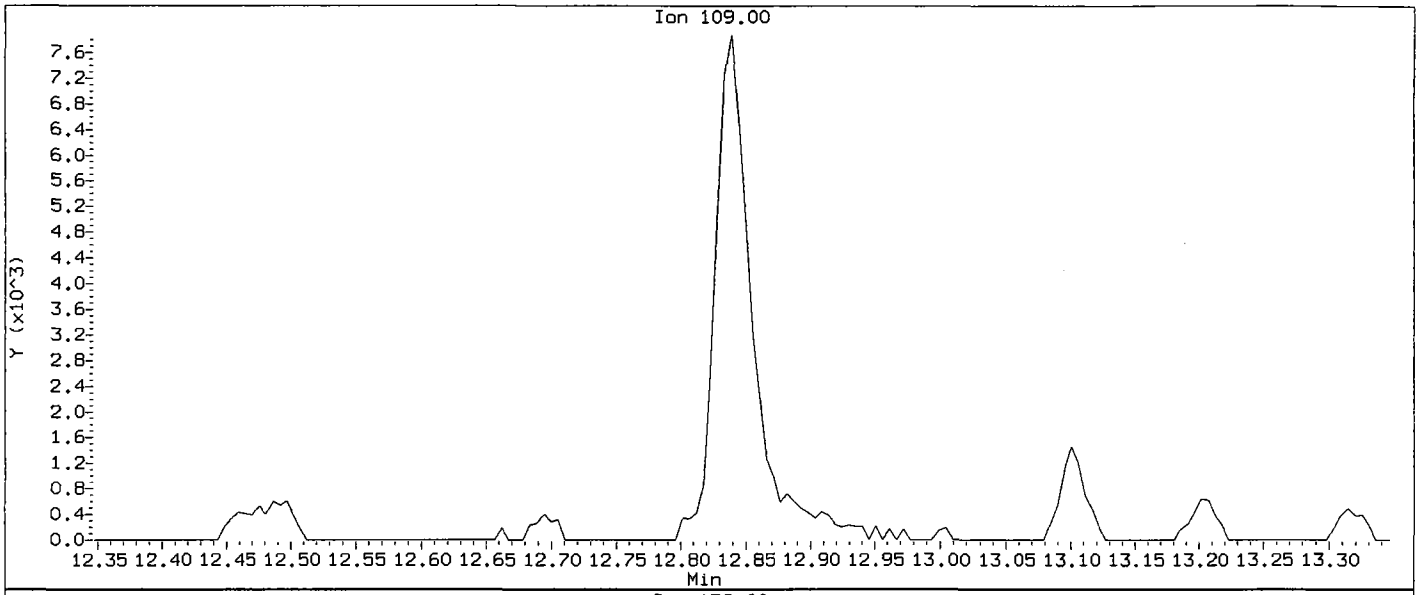
Column phase: ZB-5msi

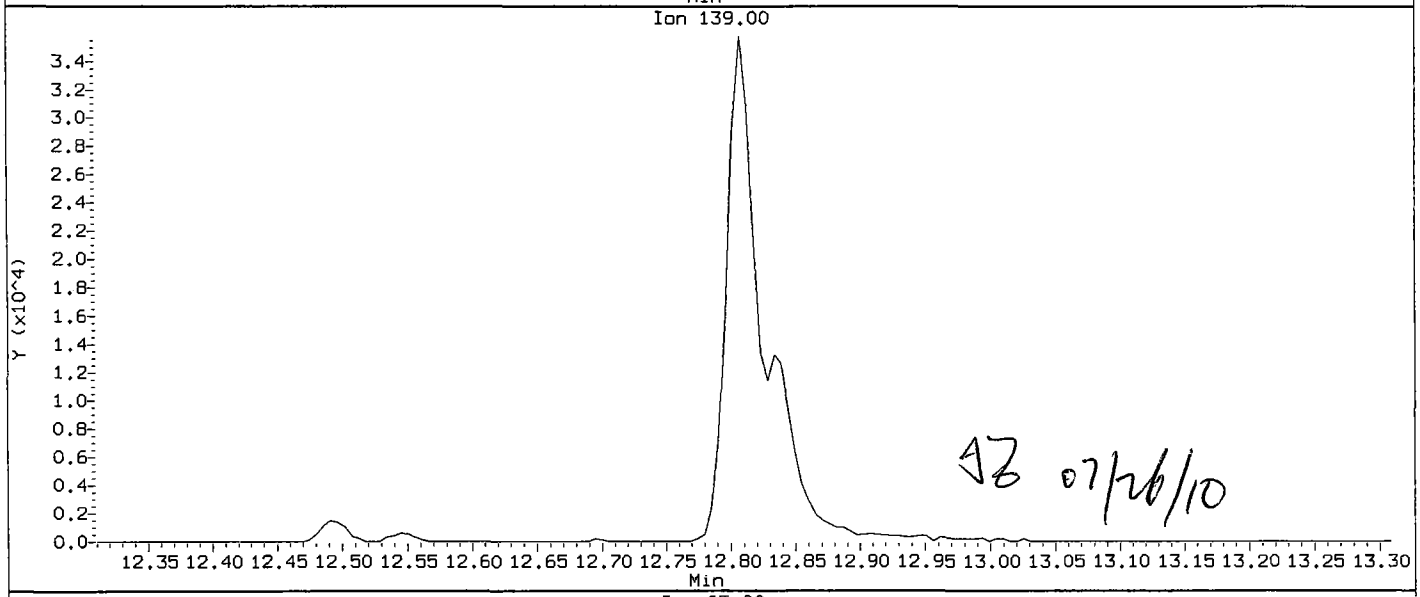
RG58:00628



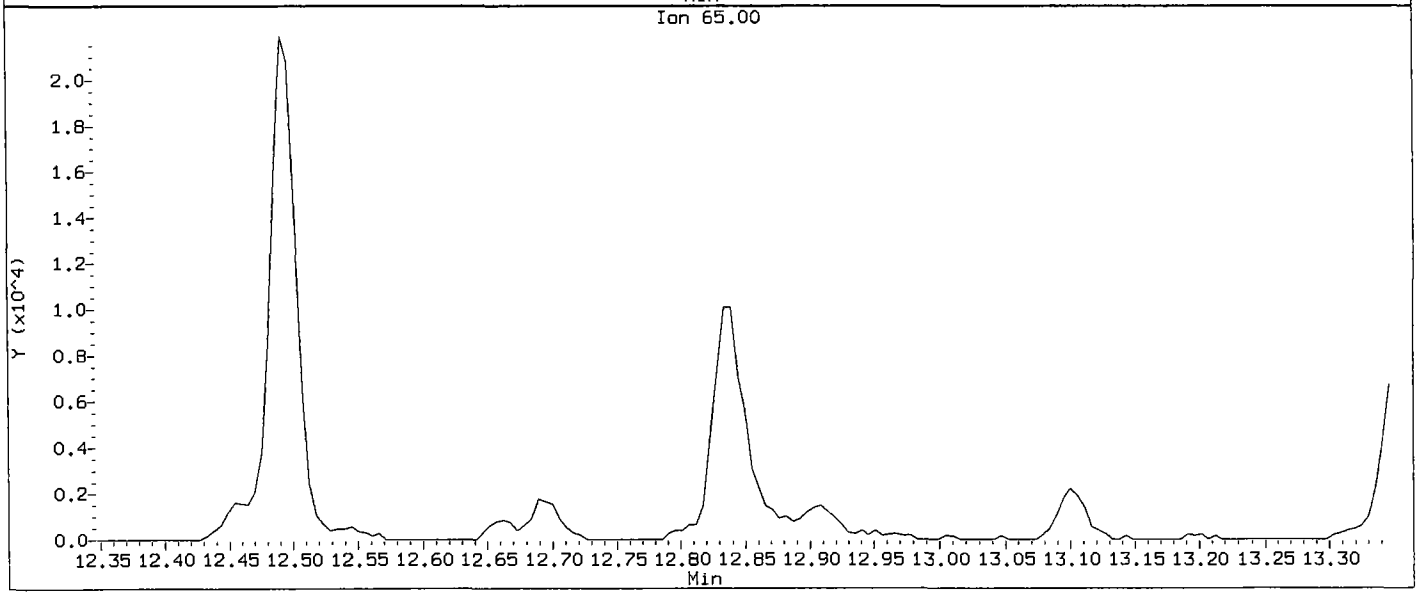
Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



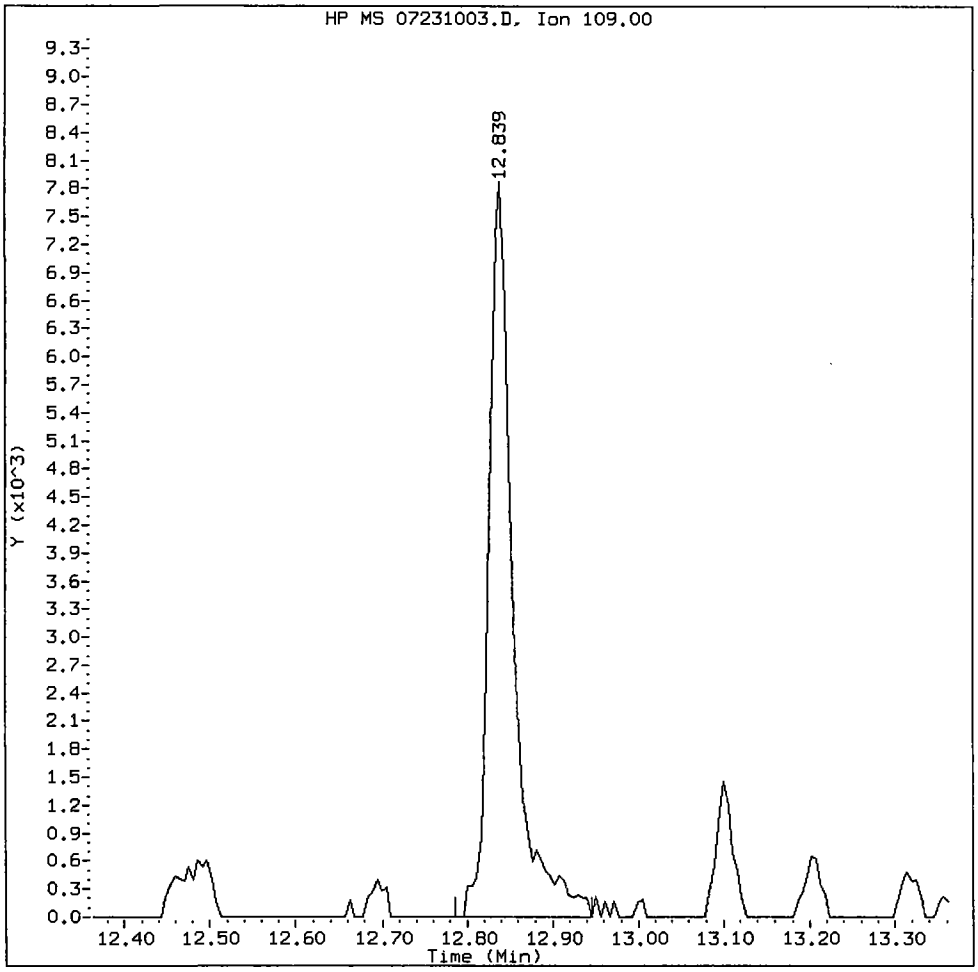


AZ 07/26/10



IC050723, /chem1/nt6.i/20100723.b/07231003.D

4-Nitrophenol Amount: 5.70 Area: 15729



MANUAL INTEGRATION for 4-Nitrophenol

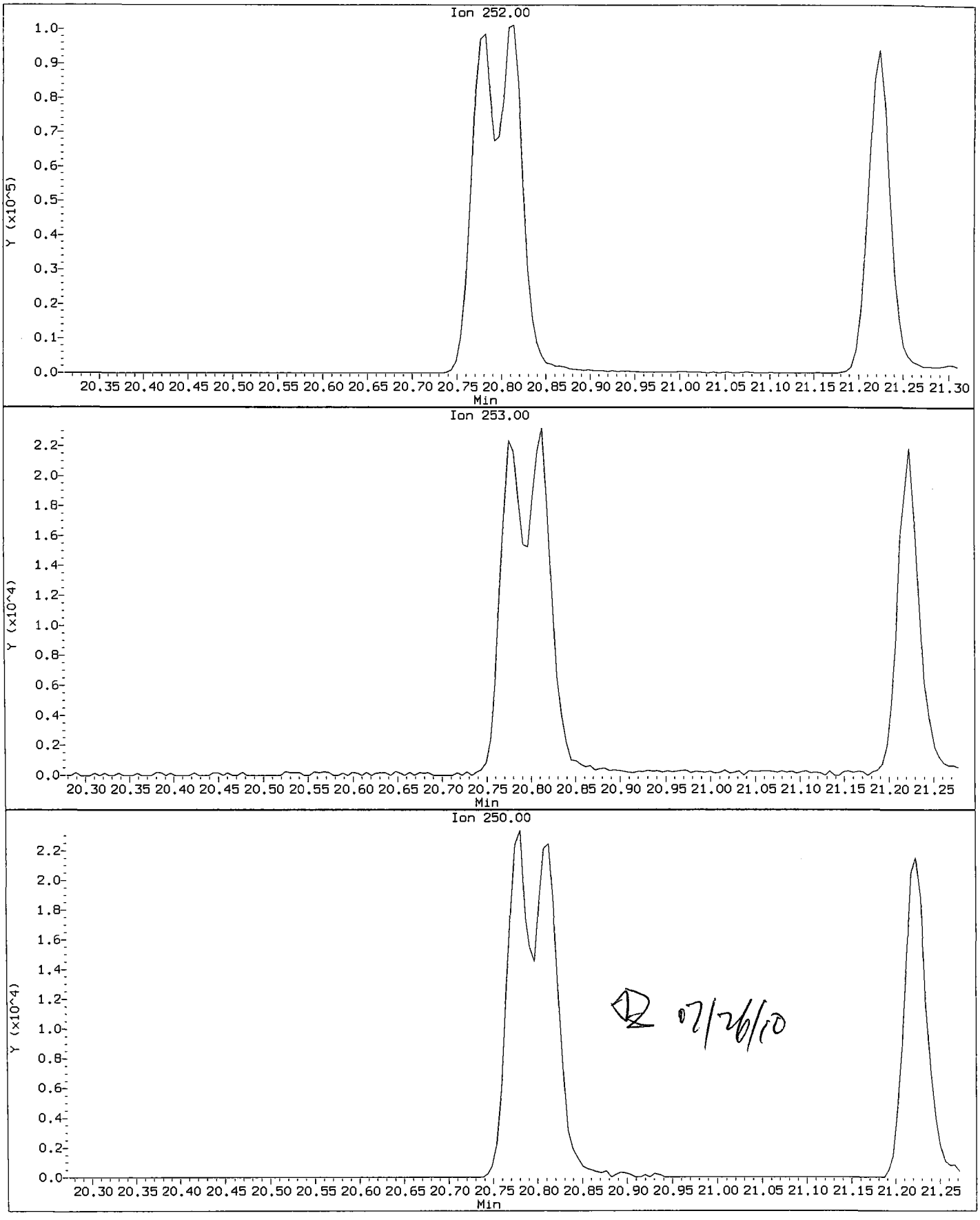
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/28/10

Data File: /chem1/nt6.i/20100723.b/07231003.D
Injection Date: 23-JUL-2010 16:16
Instrument: nt6.i
Client Sample ID: IC050723

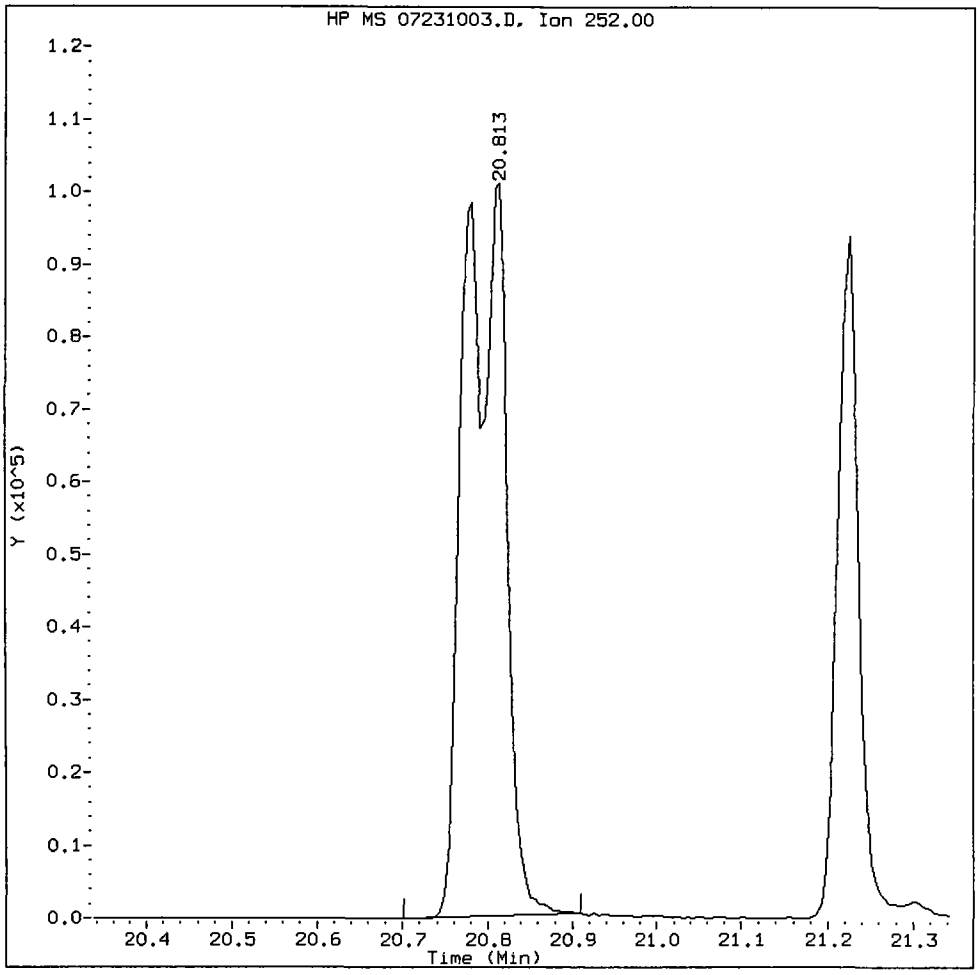
Compound: Total Benzofluoranthenes
CAS Number:



07/26/10

IC050723, /chem1/nt6.i/20100723.b/07231003.D

Total Benzofluoranthenes Amount: 9.33 Area: 344081



MANUAL INTEGRATION for Total Benzofluoranthenes

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231004.D
Lab Smp Id: IC100723 Client Smp ID: IC100723
Inj Date : 23-JUL-2010 16:52
Operator : JZ Inst ID: nt6.i
Smp Info : IC100723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 16:52 Cal File: 07231004.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/28/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	5.605	5.610	(0.738)	126872	10.0000	10.22
$ 2	Phenol-d5	99	7.202	7.218	(0.949)	148082	10.0000	9.874
3	Phenol	94	7.224	7.237	(0.951)	163142	10.0000	9.431
$ 5	2-Chlorophenol-d4	132	7.293	7.303	(0.961)	124752	10.0000	9.760
4	Bis(2-Chloroethyl)ether	93	7.277	7.290	(0.958)	121813	10.0000	9.403
6	2-Chlorophenol	128	7.320	7.327	(0.964)	140635	10.0000	9.487
7	1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	165746	10.0000	9.706
* 8	1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	185943	20.0000	
9	1,4-Dichlorobenzene	146	7.614	7.621	(1.003)	162647	10.0000	9.858
$ 10	1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	86495	10.0000	9.984
12	1,2-Dichlorobenzene	146	7.913	7.915	(1.042)	152136	10.0000	9.649
11	Benzyl alcohol	108	7.897	7.910	(1.040)	79223	10.0000	10.54
14	2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	135515	10.0000	9.767
13	2-Methylphenol	108	8.153	8.166	(1.074)	120955	10.0000	9.567
17	Hexachloroethane	117	8.399	8.406	(1.106)	58544	10.0000	9.687
16	N-Nitroso-di-n-propylamine	70	8.367	8.390	(1.102)	86011	10.0000	9.896
15	4-Methylphenol	108	8.388	8.406	(1.105)	122953	10.0000	9.685
$ 18	Nitrobenzene-d5	82	8.532	8.542	(0.885)	117660	10.0000	9.952
19	Nitrobenzene	77	8.559	8.572	(0.888)	134857	10.0000	9.761
20	Isophorone	82	8.944	8.967	(0.927)	212825	10.0000	9.983
21	2-Nitrophenol	139	9.082	9.090	(0.942)	76116	10.0000	10.17
22	2,4-Dimethylphenol	107	9.221	9.234	(0.956)	128445	10.0000	9.701
23	Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	149711	10.0000	10.07
24	Benzoic acid	105	9.419	9.603	(0.977)	163463	20.0000	20.83
25	2,4-Dichlorophenol	162	9.472	9.485	(0.982)	111444	10.0000	9.889
26	1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	123035	10.0000	9.797
* 27	Naphthalene-d8	136	9.643	9.651	(1.000)	593293	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	9.670	9.683	(1.003)	365998	10.0000	9.797
	29 4-Chloroaniline	127	9.835	9.843	(1.020)	147238	10.0000	10.07
	30 Hexachlorobutadiene	225	10.001	10.009	(1.037)	69541	10.0000	9.802
	31 4-Chloro-3-methylphenol	107	10.669	10.682	(1.106)	107429	10.0000	9.953
	32 2-Methylnaphthalene	141	10.797	10.805	(1.120)	197718	10.0000	9.839
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.895)	58996	10.0000	12.73
	34 2,4,6-Trichlorophenol	196	11.320	11.333	(0.906)	74618	10.0000	10.16
	35 2,4,5-Trichlorophenol	196	11.379	11.392	(0.911)	75201	10.0000	9.867
$	36 2-Fluorobiphenyl	172	11.448	11.453	(0.916)	233627	10.0000	9.590
	37 2-Chloronaphthalene	162	11.571	11.579	(0.926)	231438	10.0000	9.790
	38 2-Nitroaniline	65	11.817	11.835	(0.946)	55300	10.0000	10.39
	39 Dimethylphthalate	163	12.202	12.220	(0.976)	255146	10.0000	10.04
	40 Acenaphthylene	152	12.244	12.252	(0.980)	366052	10.0000	9.898
	41 2,6-Dinitrotoluene	165	12.287	12.305	(0.983)	59580	10.0000	10.65
*	42 Acenaphthene-d10	164	12.495	12.503	(1.000)	323613	20.0000	
	43 3-Nitroaniline	138	12.495	12.519	(1.000)	57832	10.0000	10.51
	44 Acenaphthene	153	12.549	12.562	(1.004)	219666	10.0000	9.889
	45 2,4-Dinitrophenol	184	12.661	12.690	(1.013)	67900	20.0000	22.71
	46 Dibenzofuran	168	12.810	12.823	(1.025)	295122	10.0000	9.882
	47 4-Nitrophenol	109	12.837	12.861	(1.027)	31555	10.0000	11.01(M)
	48 2,4-Dinitrotoluene	165	12.912	12.930	(1.033)	75601	10.0000	10.66
	50 Diethylphthalate	149	13.355	13.368	(1.069)	237651	10.0000	9.650
	49 Fluorene	166	13.366	13.379	(1.070)	251059	10.0000	9.726
	51 4-Chlorophenyl-phenylether	204	13.403	13.411	(1.073)	118001	10.0000	9.868
	52 4-Nitroaniline	138	13.489	13.523	(1.079)	58433	10.0000	10.56
	53 4,6-Dinitro-2-methylphenol	198	13.558	13.593	(0.912)	93942	20.0000	20.60
	54 N-Nitrosodiphenylamine	169	13.612	13.630	(0.916)	179875	10.0000	9.881
$	55 2,4,6-Tribromophenol	330	13.788	13.798	(1.103)	29796	10.0000	10.78
	56 4-Bromophenyl-phenylether	248	14.178	14.185	(0.954)	74043	10.0000	10.06
	57 Hexachlorobenzene	284	14.386	14.399	(0.968)	78922	10.0000	9.989
	58 Pentachlorophenol	266	14.691	14.704	(0.988)	44473	10.0000	11.76
*	59 Phenanthrene-d10	188	14.861	14.869	(1.000)	496900	20.0000	
	60 Phenanthrene	178	14.893	14.912	(1.002)	333776	10.0000	9.845
	61 Anthracene	178	14.968	14.987	(1.007)	346010	10.0000	9.904
	62 Carbazole	167	15.267	15.280	(1.027)	323370	10.0000	9.882
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	402360	10.0000	10.26
	64 Fluoranthene	202	16.822	16.835	(1.132)	366262	10.0000	10.09
	65 Pyrene	202	17.174	17.187	(0.897)	365007	10.0000	9.373
$	66 Terphenyl-d14	244	17.511	17.515	(0.914)	202672	10.0000	9.359
	67 Butylbenzylphthalate	149	18.408	18.421	(0.961)	172956	10.0000	10.14
	68 Benzo(a)anthracene	228	19.134	19.147	(0.999)	337172	10.0000	9.320
*	69 Chrysene-d12	240	19.156	19.169	(1.000)	608888	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.161	19.174	(1.000)	111890	10.0000	9.463
	71 Chrysene	228	19.198	19.217	(1.002)	317375	10.0000	9.244
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	234792	10.0000	10.52
*	134 Di-n-octylphthalate-d4	153	20.347	20.354	(1.000)	694500	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	395465	10.0000	9.623

	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	20.779	20.803	(0.975)	358007	10.0000	10.12
75	Benzo(k)fluoranthene	252	20.811	20.840	(0.977)	375520	10.0000	9.450
187	Total Benzofluoranthenes	252	20.811	20.840	(0.977)	687719	20.0000	19.27(M)
76	Benzo(a)pyrene	252	21.223	21.246	(0.996)	342186	10.0000	10.10
* 77	Perylene-d12	264	21.303	21.316	(1.000)	502175	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.686	22.720	(1.065)	442073	10.0000	9.928
79	Dibenzo(a,h)anthracene	278	22.718	22.747	(1.066)	346747	10.0000	10.15
80	Benzo(g,h,i)perylene	276	23.044	23.089	(1.082)	396501	10.0000	9.786
90	N-Nitrosodimethylamine	74	2.716	2.750	(0.358)	82848	10.0000	10.21
103	Pyridine	79	2.694	2.702	(0.355)	150658	10.0000	10.87
91	Aniline	93	7.149	7.157	(0.942)	193137	10.0000	10.12
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	201404	10.0000	9.767
93	Benzidine	184	17.099	17.107	(0.893)	125128	10.0000	9.449
111	Azobenzene (1,2-DP-Hydrazine)	77	13.649	13.667	(1.092)	242420	10.0000	9.973
143	1,4-Dioxane	88	2.150	2.168	(0.283)	53699	10.0000	10.04
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.278)	51732	10.0000	10.03
144	alpha-Terpineol	59	9.718	9.731	(1.008)	72894	10.0000	9.981
98	Retene	219	17.751	17.759	(0.927)	118903	10.0000	9.698
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	192083	10.0000	9.593
115	Tributyl Phosphate	99	13.729	13.763	(0.924)	281983	10.0000	10.01
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	191183	10.0000	10.41
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	63332	10.0000	9.722
118	Triphenyl Phosphate	326	18.718	18.731	(0.977)	60209	10.0000	9.801
123	Acetophenone	105	8.303	8.316	(1.094)	165015	10.0000	9.949
179	n-Decane	57	7.443	7.450	(0.980)	109312	10.0000	9.770
180	n-Octadecane	57	14.824	14.832	(0.997)	108426	10.0000	9.850
168	Pentachlorobenzene	250	12.853	12.866	(1.029)	90440	10.0000	9.903
113	Diphenyl Oxide	170	11.774	11.782	(0.942)	221103	10.0000	9.711
112	Biphenyl	154	11.577	11.590	(0.926)	263995	10.0000	10.11
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.049)	67353	10.0000	10.56
151	1,2,4,5-Tetrachlorobenzene	216	11.133	11.141	(0.891)	116394	10.0000	9.557
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	80353	20.0000	20.99
109	3,4,5-Trichloroguaiacol	213	13.206	13.219	(0.889)	40031	10.0000	10.37
181	3,4,6-Trichloroguaiacol	211	13.318	13.331	(1.754)	47470	10.0000	10.51
108	4,5,6-Trichloroguaiacol	213	14.237	14.250	(1.139)	41107	10.0000	10.59
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	42471	10.0000	10.53
107	4,5-Dichloroguaiacol	192	12.458	12.476	(0.997)	106396	20.0000	21.03
182	4,6-Dichloroguaiacol	192	12.458	12.476	(1.641)	106071	20.0000	21.01
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	26123	5.00000	5.125
186	Carbaryl	144	15.684	15.702	(1.055)	153576	10.0000	11.44
106	Guaiacol	124	8.575	8.588	(1.129)	114633	10.0000	9.761

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: 07231004.D
Lab Smp Id: IC100723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC100723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	185943	1.73
27 Naphthalene-d8	584137	292068	1168274	593293	1.57
42 Acenaphthene-d10	320442	160221	640884	323613	0.99
59 Phenanthrene-d10	503793	251896	1007586	496900	-1.37
69 Chrysene-d12	532343	266172	1064686	608888	14.38
134 Di-n-octylphthala	719428	359714	1438856	694500	-3.46
77 Perylene-d12	517269	258634	1034538	502175	-2.92

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.04
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	-0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.02

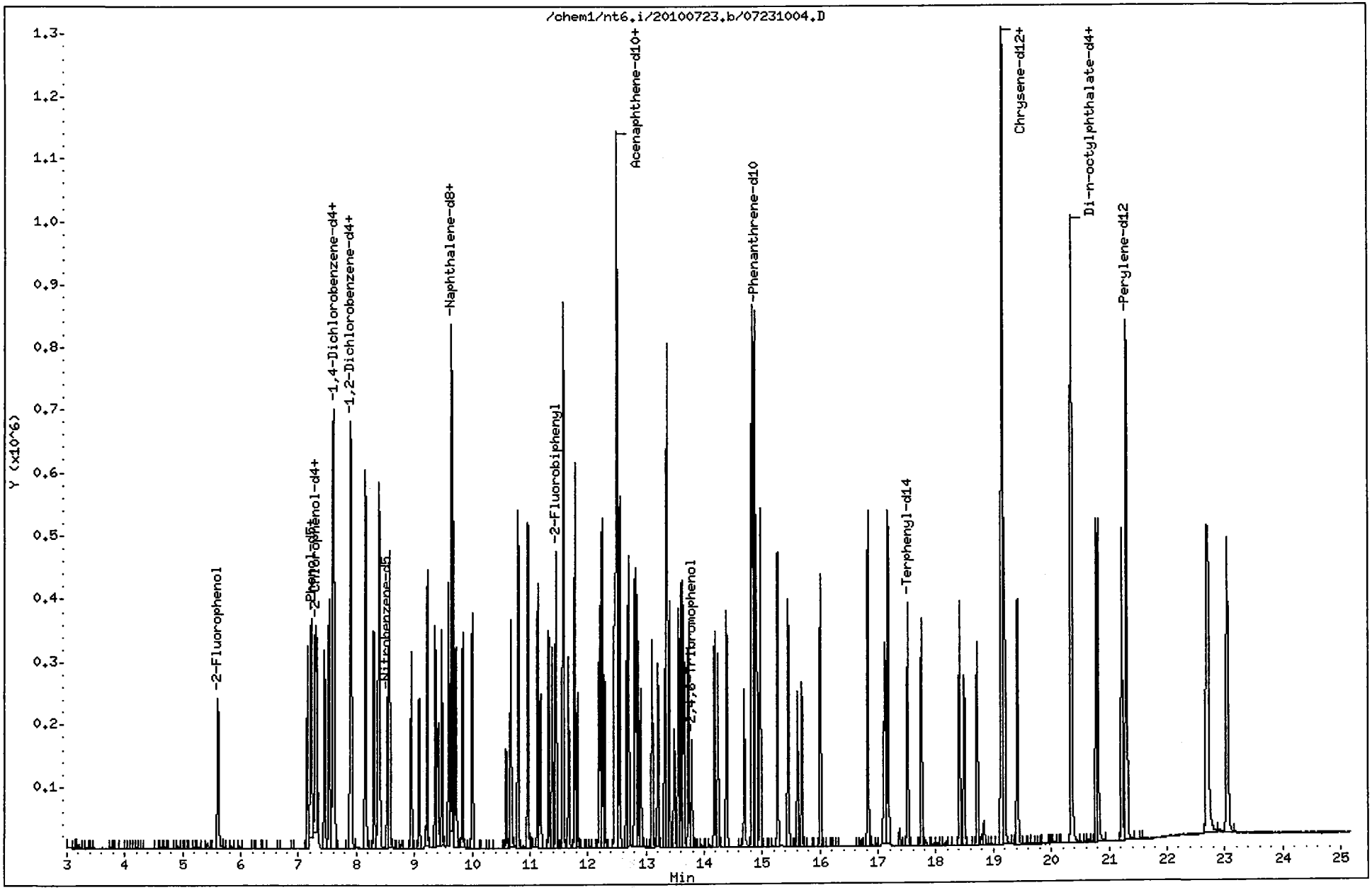
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231004.D
Date : 23-JUL-2010 16:52
Client ID: IC100723
Sample Info: IC100723,

Column phase: ZB-5msi

Instrument: nt6.i

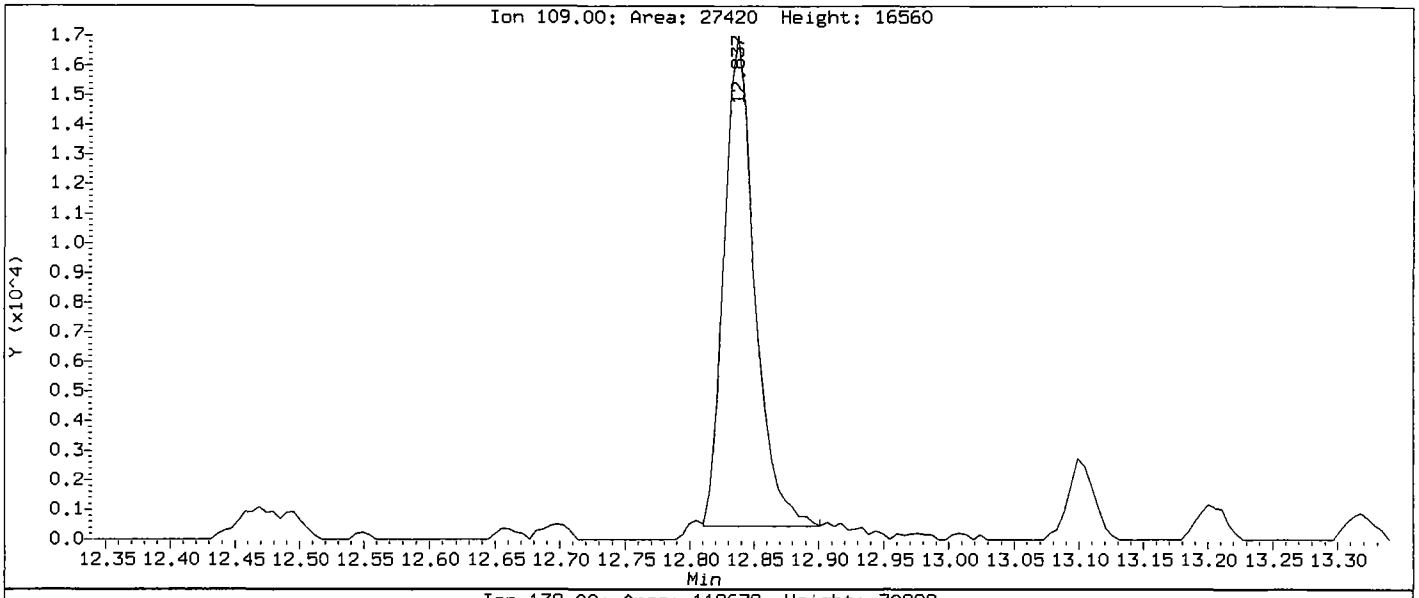
Operator: JZ
Column diameter: 0.32

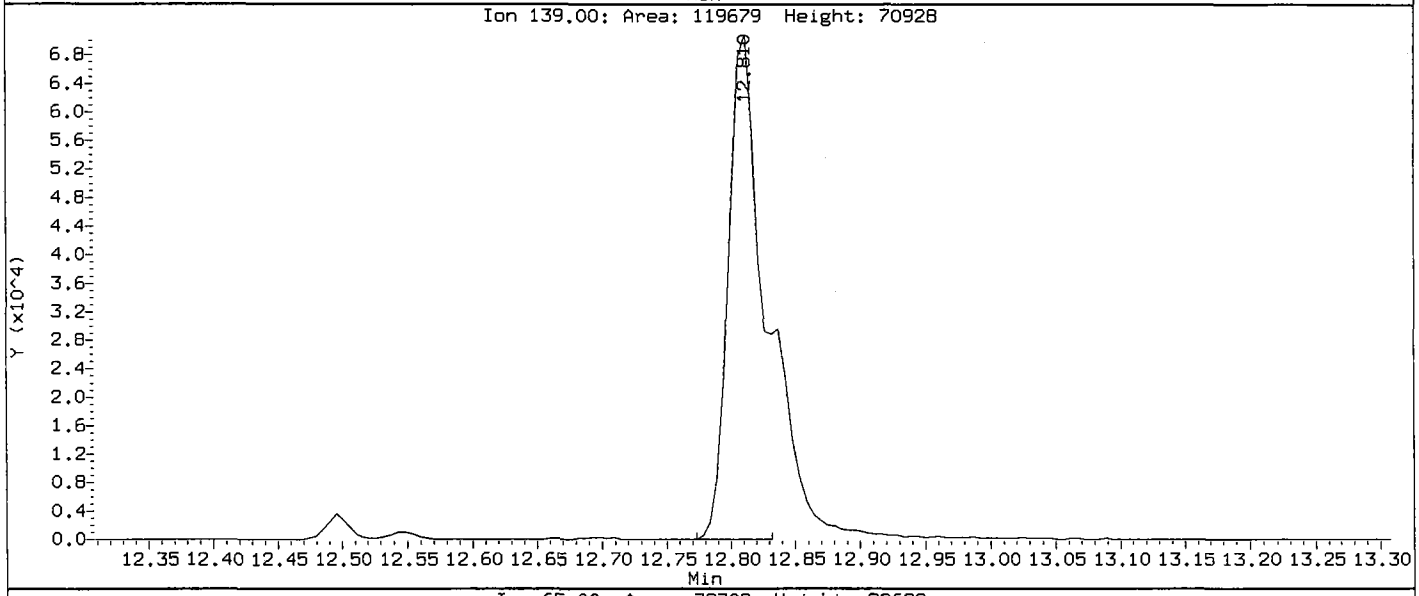


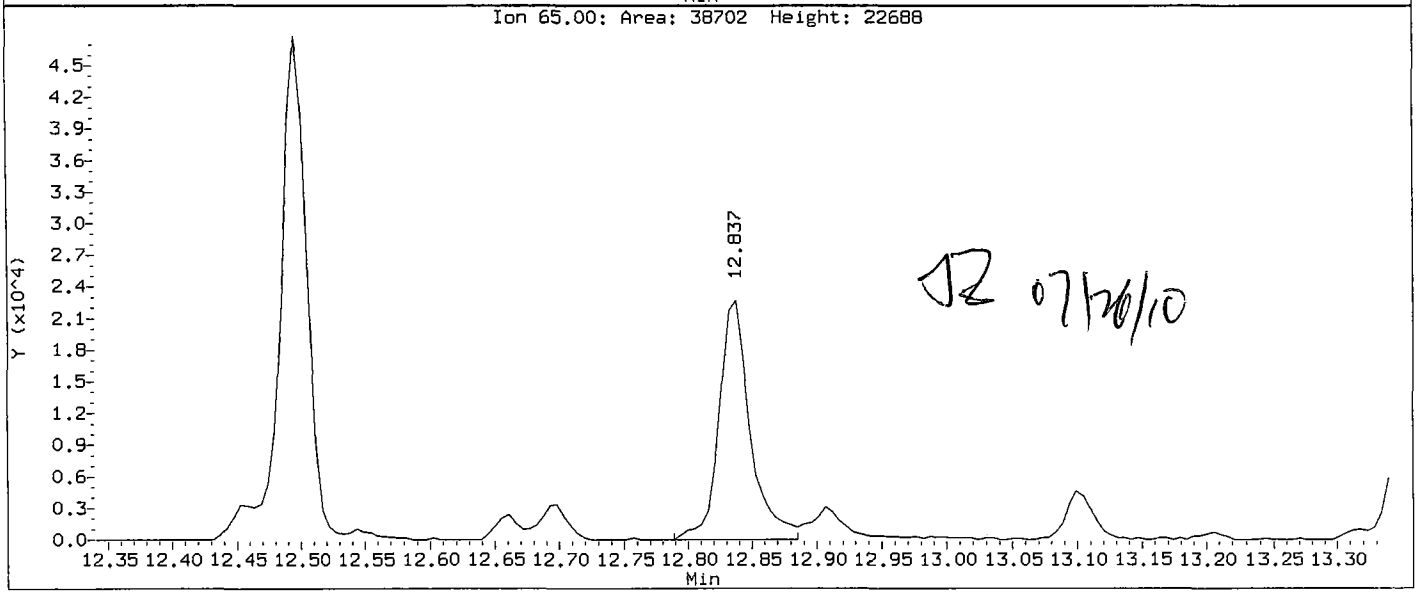
RG58:00637

Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



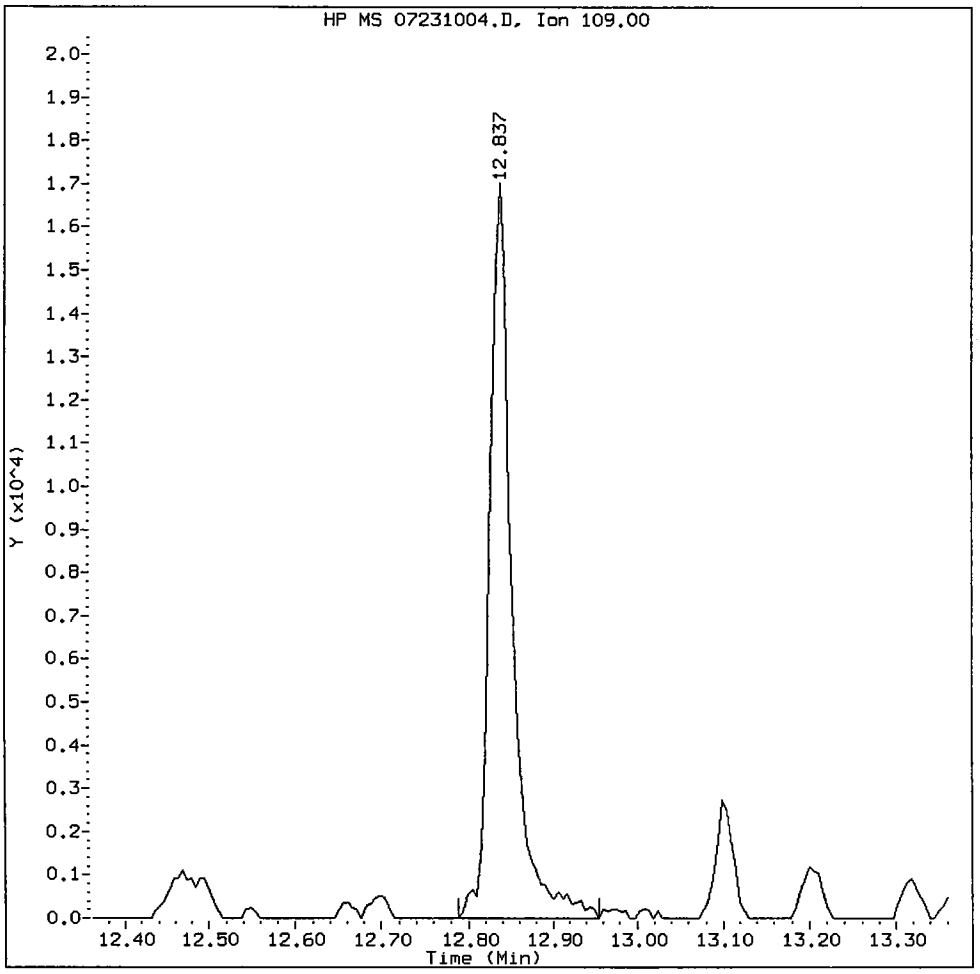




JR 07/26/10

IC100723, /chem1/nt6.i/20100723.b/07231004.D

4-Nitrophenol Amount: 11.01 Area: 31555



MANUAL INTEGRATION for 4-Nitrophenol

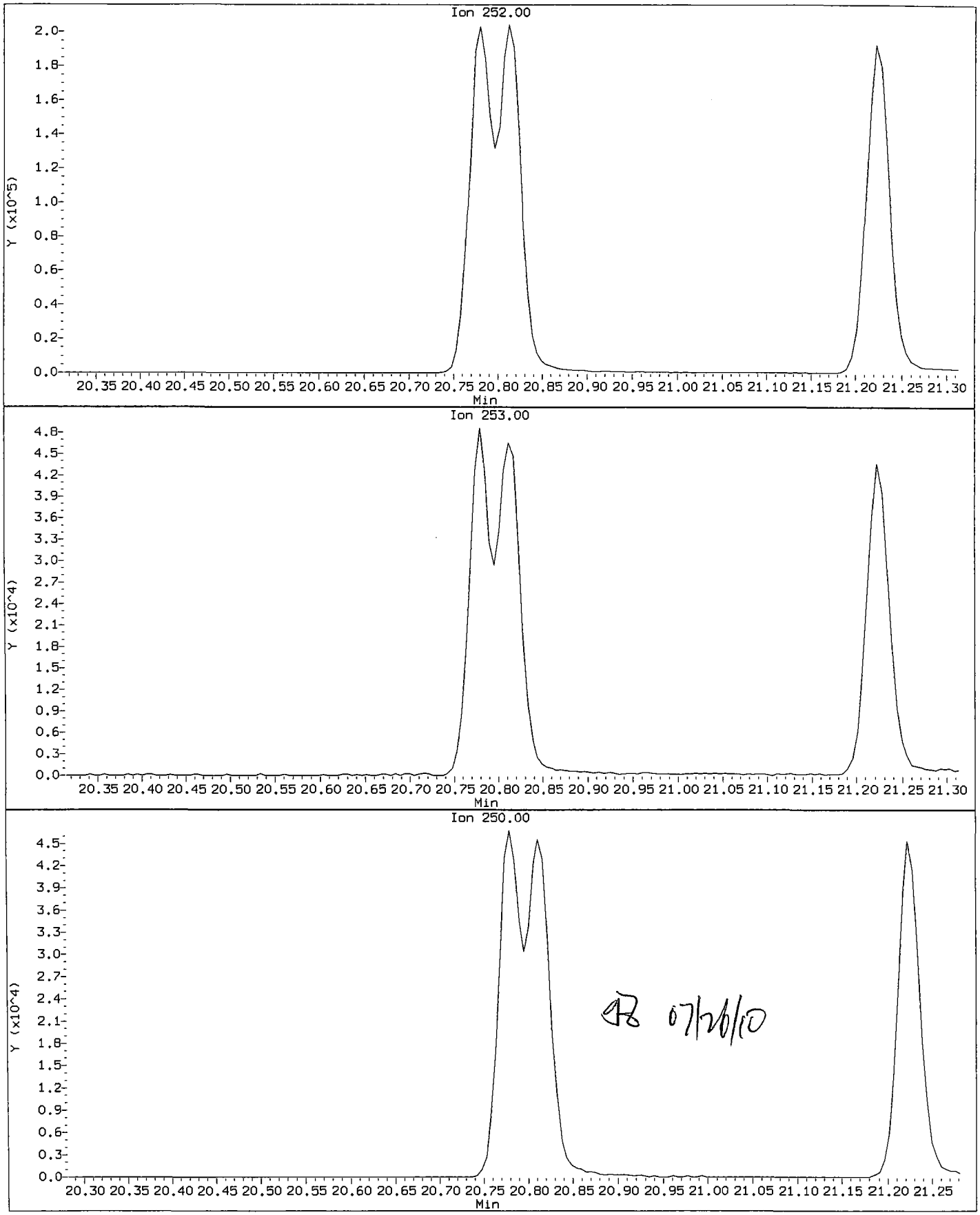
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/24/10

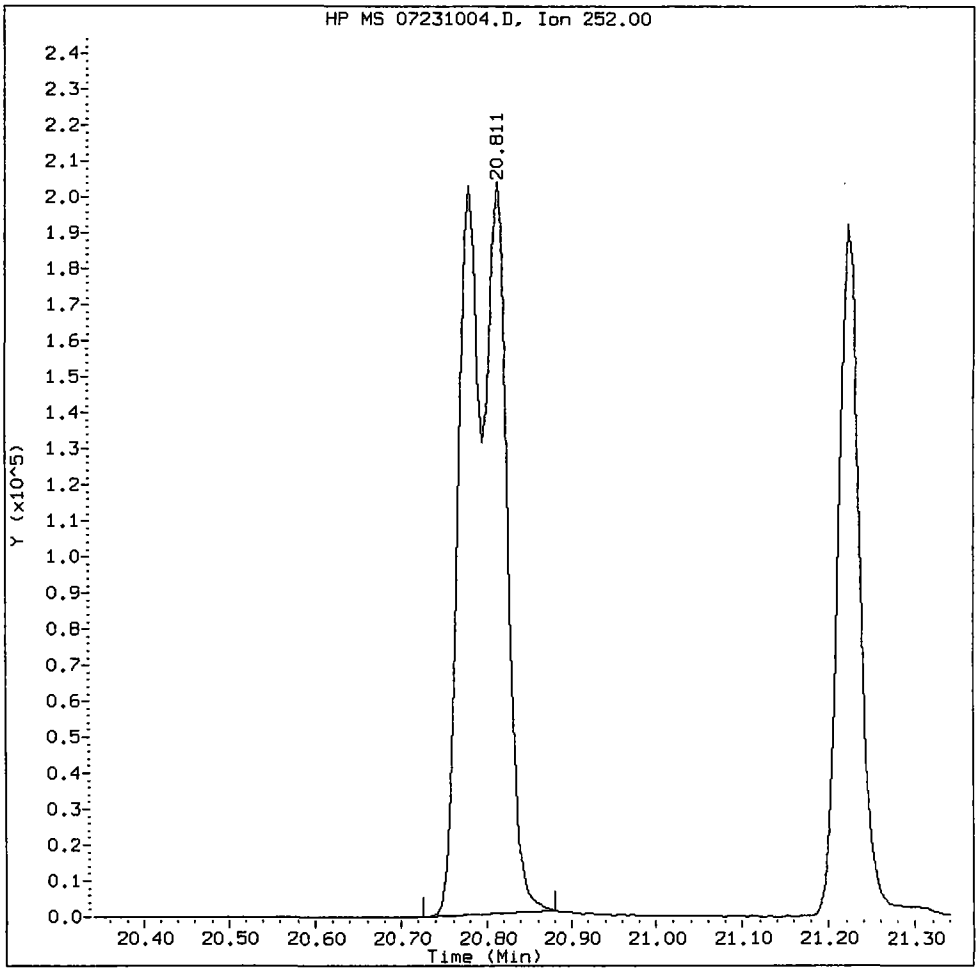
Data File: /chem1/nt6.i/20100723.b/07231004.D
Injection Date: 23-JUL-2010 16:52
Instrument: nt6.i
Client Sample ID: IC100723

Compound: Total Benzofluoranthenes
CAS Number:



IC100723, /chem1/nt6.i/20100723.b/07231004.D

Total Benzofluoranthenes Amount: 19.27 Area: 687719



MANUAL INTEGRATION for Total Benzofluoranthenes

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AB Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231001.D
Lab Smp Id: IC250723 Client Smp ID: IC250723
Inj Date : 23-JUL-2010 15:01
Operator : JZ Inst ID: nt6.i
Smp Info : IC250723
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 15:01 Cal File: 07231001.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

AMOUNTS

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1	2-Fluorophenol	112	5.605	5.610	(0.738)	311522	25.0000	25.40
$	2	Phenol-d5	99	7.207	7.218	(0.949)	348471	25.0000	23.96
	3	Phenol	94	7.229	7.237	(0.952)	387771	25.0000	23.32
$	5	2-Chlorophenol-d4	132	7.293	7.303	(0.961)	290409	25.0000	23.56
	4	Bis(2-Chloroethyl)ether	93	7.282	7.290	(0.959)	299463	25.0000	23.87
	6	2-Chlorophenol	128	7.320	7.327	(0.964)	336281	25.0000	23.53
	7	1,3-Dichlorobenzene	146	7.523	7.530	(0.991)	393980	25.0000	23.83
*	8	1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	182786	20.0000	
	9	1,4-Dichlorobenzene	146	7.619	7.621	(1.004)	390510	25.0000	24.30
$	10	1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	204344	25.0000	24.24
	12	1,2-Dichlorobenzene	146	7.912	7.915	(1.042)	353813	25.0000	23.33
	11	Benzyl alcohol	108	7.896	7.910	(1.040)	189620	25.0000	25.49
	14	2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	319647	25.0000	23.81
	13	2-Methylphenol	108	8.158	8.166	(1.075)	293058	25.0000	23.92
	17	Hexachloroethane	117	8.398	8.406	(1.106)	141205	25.0000	24.06
	16	N-Nitroso-di-n-propylamine	70	8.377	8.390	(1.103)	203786	25.0000	24.13
	15	4-Methylphenol	108	8.393	8.406	(1.106)	289738	25.0000	23.64
$	18	Nitrobenzene-d5	82	8.537	8.542	(0.885)	285365	25.0000	24.63
	19	Nitrobenzene	77	8.564	8.572	(0.888)	315680	25.0000	23.63
	20	Isophorone	82	8.949	8.967	(0.928)	506209	25.0000	24.33
	21	2-Nitrophenol	139	9.082	9.090	(0.942)	191103	25.0000	25.69
	22	2,4-Dimethylphenol	107	9.226	9.234	(0.957)	306864	25.0000	23.89
	23	Bis(2-Chloroethoxy)methane	93	9.360	9.373	(0.971)	350199	25.0000	24.19
	24	Benzoic acid	105	9.477	9.603	(0.983)	467782	50.0000	56.57
	25	2,4-Dichlorophenol	162	9.477	9.485	(0.983)	267155	25.0000	24.30
	26	1,2,4-Trichlorobenzene	180	9.590	9.597	(0.994)	295139	25.0000	24.14
*	27	Naphthalene-d8	136	9.643	9.651	(1.000)	584137	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	9.675	9.683	(1.003)	839339	25.0000	23.33
29	4-Chloroaniline	127	9.835	9.843	(1.020)	335598	25.0000	23.71
30	Hexachlorobutadiene	225	10.006	10.009	(1.038)	170886	25.0000	24.60
31	4-Chloro-3-methylphenol	107	10.674	10.682	(1.107)	261511	25.0000	24.70
32	2-Methylnaphthalene	141	10.797	10.805	(1.120)	450667	25.0000	23.30
33	Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	160807	25.0000	31.84
34	2,4,6-Trichlorophenol	196	11.325	11.333	(0.906)	191794	25.0000	26.01
35	2,4,5-Trichlorophenol	196	11.384	11.392	(0.911)	194635	25.0000	25.59
$ 36	2-Fluorobiphenyl	172	11.454	11.453	(0.916)	548947	25.0000	23.28
37	2-Chloronaphthalene	162	11.571	11.579	(0.926)	539169	25.0000	23.49
38	2-Nitroaniline	65	11.822	11.835	(0.946)	135253	25.0000	25.49
39	Dimethylphthalate	163	12.207	12.220	(0.976)	613460	25.0000	24.53
40	Acenaphthylene	152	12.244	12.252	(0.979)	848116	25.0000	23.59
41	2,6-Dinitrotoluene	165	12.292	12.305	(0.983)	145587	25.0000	25.95
* 42	Acenaphthene-d10	164	12.500	12.503	(1.000)	320442	20.0000	
43	3-Nitroaniline	138	12.500	12.519	(1.000)	135304	25.0000	24.87
44	Acenaphthene	153	12.548	12.562	(1.004)	522996	25.0000	24.07
45	2,4-Dinitrophenol	184	12.666	12.690	(1.013)	212676	50.0000	62.71
46	Dibenzofuran	168	12.810	12.823	(1.025)	687180	25.0000	23.66
47	4-Nitrophenol	109	12.842	12.861	(1.027)	78303	25.0000	26.89 (M)
48	2,4-Dinitrotoluene	165	12.917	12.930	(1.033)	189836	25.0000	26.50
50	Diethylphthalate	149	13.360	13.368	(1.069)	543562	25.0000	22.91
49	Fluorene	166	13.366	13.379	(1.069)	586873	25.0000	23.44
51	4-Chlorophenyl-phenylether	204	13.403	13.411	(1.072)	290075	25.0000	24.62
52	4-Nitroaniline	138	13.494	13.523	(1.079)	138704	25.0000	25.24
53	4,6-Dinitro-2-methylphenol	198	13.563	13.593	(0.913)	260085	50.0000	54.00
54	N-Nitrosodiphenylamine	169	13.611	13.630	(0.916)	432780	25.0000	23.82
$ 55	2,4,6-Tribromophenol	330	13.793	13.798	(1.103)	76705	25.0000	27.21
56	4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	188502	25.0000	25.20
57	Hexachlorobenzene	284	14.386	14.399	(0.968)	196721	25.0000	24.67
58	Pentachlorophenol	266	14.696	14.704	(0.989)	127003	25.0000	30.64
* 59	Phenanthrene-d10	188	14.861	14.869	(1.000)	503793	20.0000	
60	Phenanthrene	178	14.899	14.912	(1.002)	790845	25.0000	23.48
61	Anthracene	178	14.973	14.987	(1.008)	833467	25.0000	23.88
62	Carbazole	167	15.267	15.280	(1.027)	756153	25.0000	23.31
63	Di-n-butylphthalate	149	16.004	16.012	(1.077)	971559	25.0000	24.58
64	Fluoranthene	202	16.827	16.835	(1.132)	886233	25.0000	24.30
65	Pyrene	202	17.179	17.187	(0.897)	864054	25.0000	25.28
$ 66	Terphenyl-d14	244	17.510	17.515	(0.914)	505765	25.0000	26.26
67	Butylbenzylphthalate	149	18.413	18.421	(0.961)	435577	25.0000	28.04
68	Benzo(a)anthracene	228	19.134	19.147	(0.999)	837394	25.0000	26.09
* 69	Chrysene-d12	240	19.161	19.169	(1.000)	532343	20.0000	
70	3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	267484	25.0000	25.65
71	Chrysene	228	19.198	19.217	(1.002)	772165	25.0000	25.54
72	bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	593672	25.0000	25.50
* 134	Di-n-octylphthalate-d4	153	20.346	20.354	(1.000)	719428	20.0000	
73	Di-n-octylphthalate	149	20.357	20.360	(1.001)	983658	25.0000	23.55

	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	20.784	20.803	(0.975)	881261	25.0000	24.38
75	Benzo(k)fluoranthene	252	20.816	20.840	(0.977)	927133	25.0000	23.20
187	Total Benzofluoranthenes	252	20.816	20.840	(0.977)	1705649	50.0000	47.25
76	Benzo(a)pyrene	252	21.228	21.246	(0.996)	829054	25.0000	24.06
* 77	Perylene-d12	264	21.308	21.316	(1.000)	517269	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.697	22.720	(1.065)	1104393	25.0000	24.30
79	Dibenzo(a,h)anthracene	278	22.723	22.747	(1.066)	862084	25.0000	24.62
80	Benzo(g,h,i)perylene	276	23.054	23.089	(1.082)	992366	25.0000	24.07
90	N-Nitrosodimethylamine	74	2.721	2.750	(0.358)	200935	25.0000	25.15
103	Pyridine	79	2.689	2.702	(0.354)	370004	25.0000	26.58
91	Aniline	93	7.154	7.157	(0.942)	455640	25.0000	24.46
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	469146	25.0000	23.55
93	Benzidine	184	17.099	17.107	(0.892)	265510	25.0000	23.42
111	Azobenzene (1,2-DP-Hydrazine)	77	13.654	13.667	(1.092)	570301	25.0000	24.01
143	1,4-Dioxane	88	2.149	2.168	(0.283)	130956	25.0000	24.94
$ 137	d8-1,4-Dioxane	96	2.107	2.125	(0.277)	132537	25.0000	25.86
144	alpha-Terpineol	59	9.718	9.731	(1.008)	173991	25.0000	24.39
98	Retene	219	17.751	17.759	(0.926)	297518	25.0000	27.01
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	448163	25.0000	23.16
115	Tributyl Phosphate	99	13.734	13.763	(0.924)	674856	25.0000	23.95
116	Dibutyl Phenyl Phosphate	175	15.449	15.457	(1.040)	473853	25.0000	25.33
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	155996	25.0000	26.75
118	Triphenyl Phosphate	326	18.723	18.731	(0.977)	156116	25.0000	27.93
123	Acetophenone	105	8.302	8.316	(1.094)	397677	25.0000	24.54
179	n-Decane	57	7.448	7.450	(0.981)	257349	25.0000	23.78
180	n-Octadecane	57	14.829	14.832	(0.998)	250246	25.0000	23.02
168	Pentachlorobenzene	250	12.853	12.866	(1.028)	219604	25.0000	24.46
113	Diphenyl Oxide	170	11.779	11.782	(0.942)	516503	25.0000	23.40
112	Biphenyl	154	11.582	11.590	(0.926)	598381	25.0000	23.73
120	2,3,4,6-Tetrachlorophenol	232	13.104	13.112	(1.048)	172859	25.0000	26.74
151	1,2,4,5-Tetrachlorobenzene	216	11.138	11.141	(0.891)	281398	25.0000	23.73
110	Tetrachloroguaiacol	247	14.824	14.842	(0.997)	202210	50.0000	51.38
109	3,4,5-Trichloroguaiacol	213	13.205	13.219	(0.889)	100748	25.0000	25.48
181	3,4,6-Trichloroguaiacol	211	13.323	13.331	(1.755)	121741	25.0000	26.57
108	4,5,6-Trichloroguaiacol	213	14.242	14.250	(1.139)	102033	25.0000	26.01
184	3,4-Dichloroguaiacol	192	11.667	11.675	(1.537)	106034	25.0000	26.14
107	4,5-Dichloroguaiacol	192	12.463	12.476	(0.997)	258682	50.0000	51.08
182	4,6-Dichloroguaiacol	192	12.463	12.476	(1.642)	258682	50.0000	51.40
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	67852	12.5000	13.18
186	Carbaryl	144	15.689	15.702	(1.056)	378522	25.0000	27.05
106	Guaiacol	124	8.575	8.588	(1.129)	270369	25.0000	23.80

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: 07231001.D
Lab Smp Id: IC250723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC250723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	182786	0.00
27 Naphthalene-d8	584137	292068	1168274	584137	0.00
42 Acenaphthene-d10	320442	160221	640884	320442	0.00
59 Phenanthrene-d10	503793	251896	1007586	503793	0.00
69 Chrysene-d12	532343	266172	1064686	532343	0.00
134 Di-n-octylphthala	719428	359714	1438856	719428	0.00
77 Perylene-d12	517269	258634	1034538	517269	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.64	0.00
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.00
69 Chrysene-d12	19.16	18.66	19.66	19.16	0.00
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

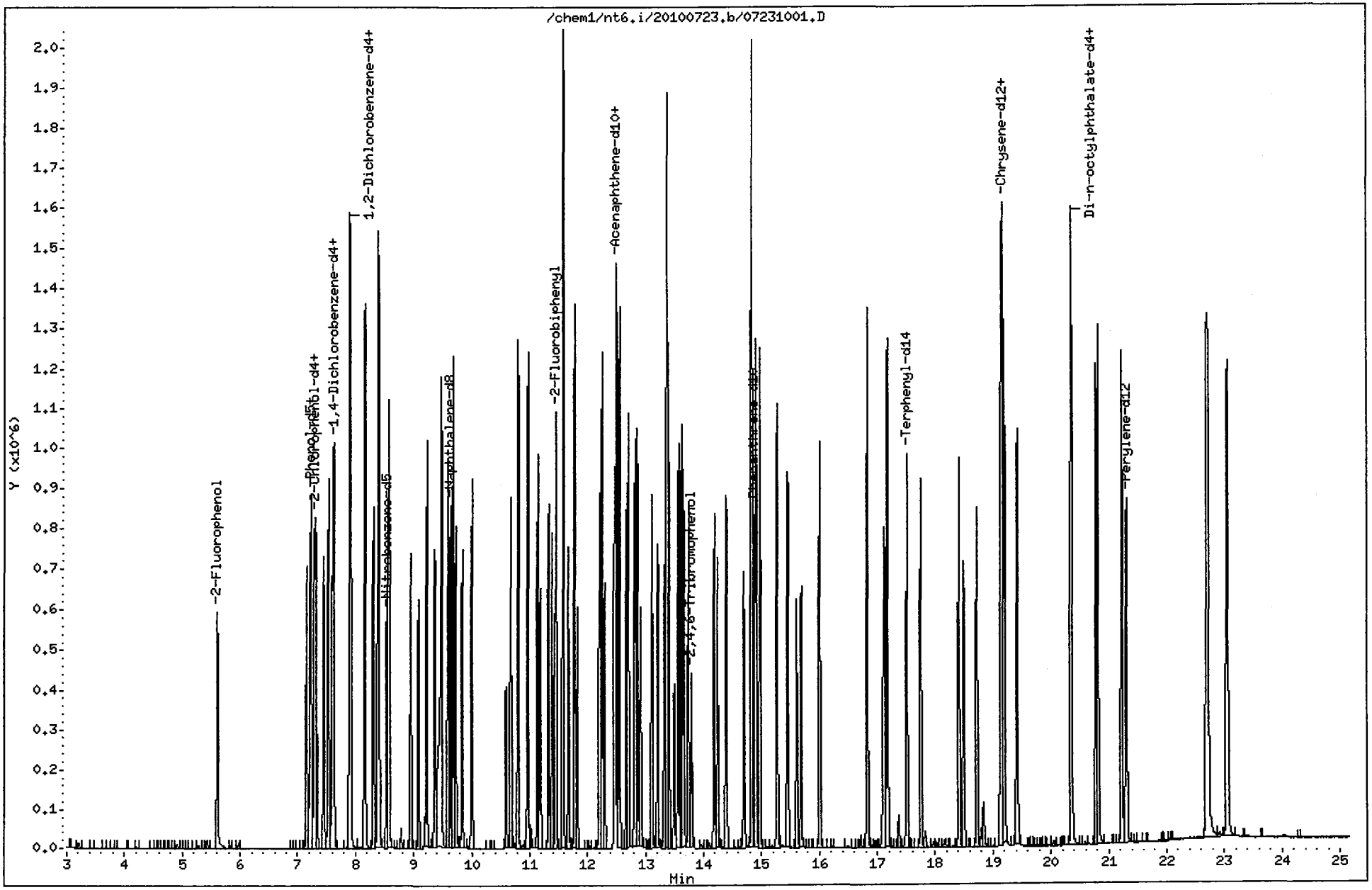
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231001.D
Date : 23-JUL-2010 15:01
Client ID: IC250723
Sample Info: IC250723

Instrument: nt6.i

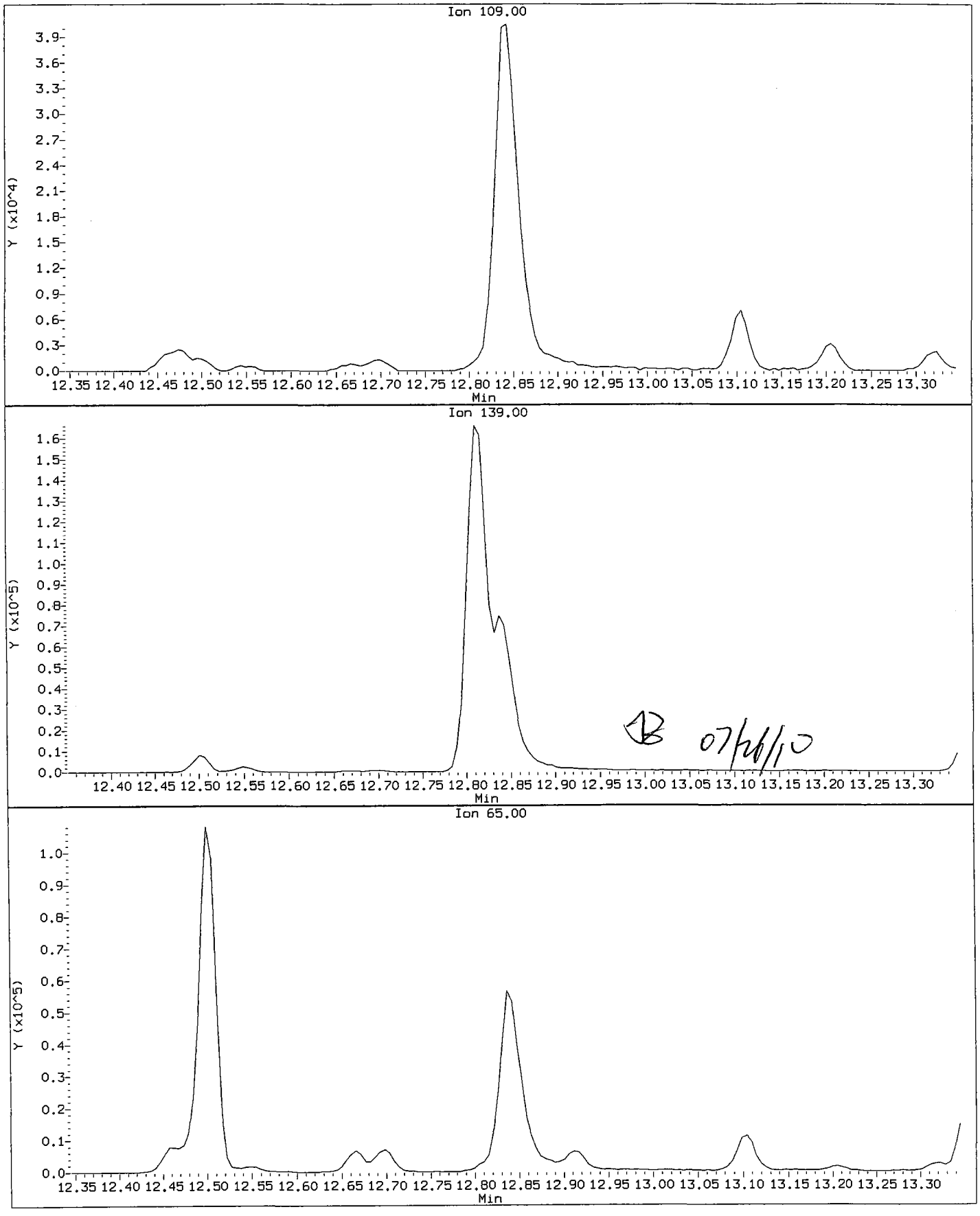
Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Data File: /chem1/nt6.i/20100723.b/07231001.D
Injection Date: 23-JUL-2010 15:01
Instrument: nt6.i
Client Sample ID: IC250723

Compound: 4-Nitrophenol
CAS Number: 100-02-7

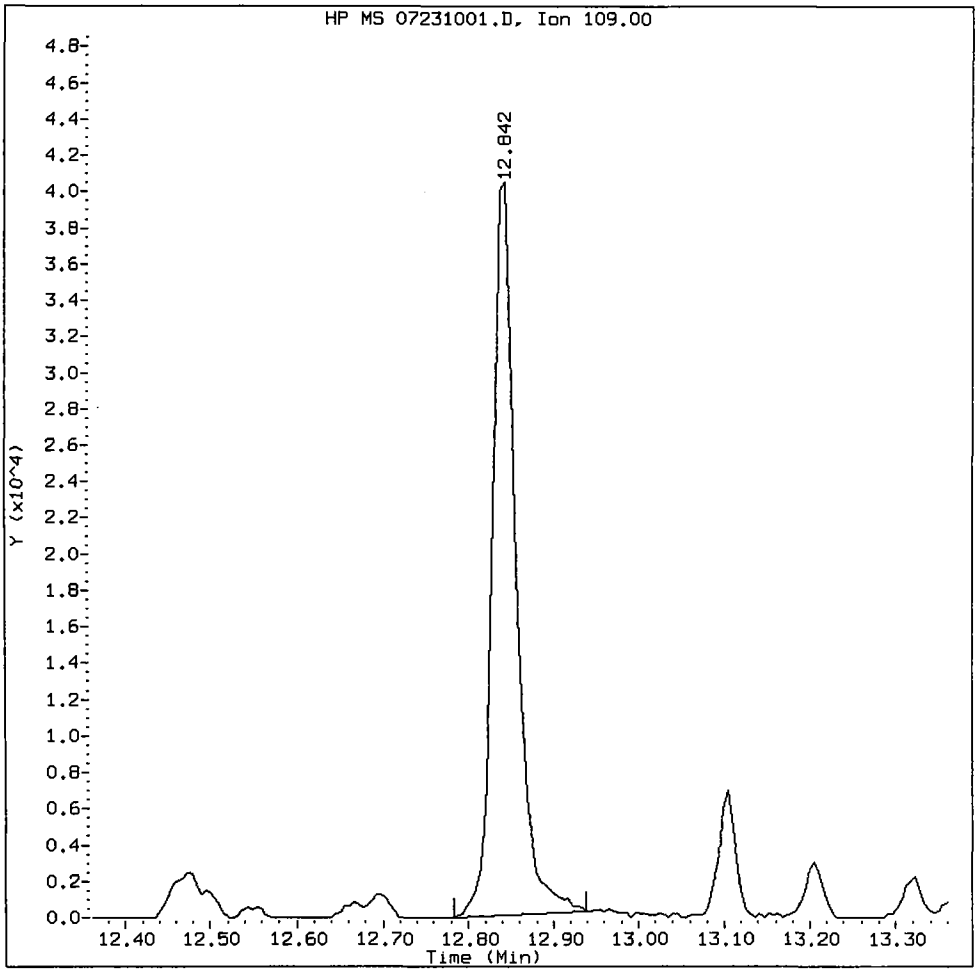


B 07/26/10

RG58 : 00647

IC250723, /chem1/nt6.i/20100723.b/07231001.D

4-Nitrophenol Amount: 26.89 Area: 78303



MANUAL INTEGRATION for 4-Nitrophenol

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AB Date: 07/16/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231005.D
Lab Smp Id: IC400723 Client Smp ID: IC400723
Inj Date : 23-JUL-2010 17:29
Operator : JZ Inst ID: nt6.i
Smp Info : IC400723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 17:29 Cal File: 07231005.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

AB 07/26/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	5.605	5.610	(0.738)	478107	40.0000	39.70
$ 2	Phenol-d5	99	7.213	7.218	(0.950)	523138	40.0000	37.21
3	Phenol	94	7.229	7.237	(0.952)	573376	40.0000	35.94
$ 5	2-Chlorophenol-d4	132	7.298	7.303	(0.961)	436515	40.0000	36.73
4	Bis(2-Chloroethyl)ether	93	7.282	7.290	(0.959)	455918	40.0000	37.52
6	2-Chlorophenol	128	7.320	7.327	(0.964)	498989	40.0000	36.31
7	1,3-Dichlorobenzene	146	7.528	7.530	(0.992)	602247	40.0000	37.59
* 8	1,4-Dichlorobenzene-d4	152	7.592	7.595	(1.000)	179813	20.0000	
9	1,4-Dichlorobenzene	146	7.619	7.621	(1.004)	597463	40.0000	38.22
$ 10	1,2-Dichlorobenzene-d4	152	7.891	7.896	(1.039)	313019	40.0000	38.17
12	1,2-Dichlorobenzene	146	7.913	7.915	(1.042)	541681	40.0000	37.00
11	Benzyl alcohol	108	7.902	7.910	(1.041)	293342	40.0000	40.07
14	2,2'-oxybis(1-Chloropropane)	45	8.158	8.161	(1.075)	488359	40.0000	37.54
13	2-Methylphenol	108	8.158	8.166	(1.075)	439877	40.0000	37.15
17	Hexachloroethane	117	8.399	8.406	(1.106)	214765	40.0000	37.73
16	N-Nitroso-di-n-propylamine	70	8.383	8.390	(1.104)	316516	40.0000	38.46
15	4-Methylphenol	108	8.399	8.406	(1.106)	435625	40.0000	36.84
$ 18	Nitrobenzene-d5	82	8.538	8.542	(0.885)	446362	40.0000	38.77
19	Nitrobenzene	77	8.570	8.572	(0.888)	485333	40.0000	36.97
20	Isophorone	82	8.954	8.967	(0.928)	791586	40.0000	38.38
21	2-Nitrophenol	139	9.082	9.090	(0.941)	297585	40.0000	39.96
22	2,4-Dimethylphenol	107	9.227	9.234	(0.956)	466959	40.0000	36.98
23	Bis(2-Chloroethoxy)methane	93	9.365	9.373	(0.971)	547954	40.0000	38.22
24	Benzoic acid	105	9.520	9.603	(0.987)	761553	80.0000	88.65
25	2,4-Dichlorophenol	162	9.478	9.485	(0.982)	415729	40.0000	38.19
26	1,2,4-Trichlorobenzene	180	9.595	9.597	(0.994)	456415	40.0000	37.79
* 27	Naphthalene-d8	136	9.649	9.651	(1.000)	584978	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	9.675	9.683	(1.003)	1270631	40.0000	36.12
	29 4-Chloroaniline	127	9.841	9.843	(1.020)	516764	40.0000	37.11
	30 Hexachlorobutadiene	225	10.006	10.009	(1.037)	268712	40.0000	38.89
	31 4-Chloro-3-methylphenol	107	10.674	10.682	(1.106)	406596	40.0000	38.67
	32 2-Methylnaphthalene	141	10.797	10.805	(1.119)	699508	40.0000	36.82
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	275445	40.0000	49.97
	34 2,4,6-Trichlorophenol	196	11.326	11.333	(0.906)	298271	40.0000	39.62
	35 2,4,5-Trichlorophenol	196	11.384	11.392	(0.911)	307523	40.0000	39.60
$	36 2-Fluorobiphenyl	172	11.454	11.453	(0.916)	849457	40.0000	36.06
	37 2-Chloronaphthalene	162	11.577	11.579	(0.926)	831977	40.0000	36.25
	38 2-Nitroaniline	65	11.828	11.835	(0.946)	221096	40.0000	40.57
	39 Dimethylphthalate	163	12.207	12.220	(0.976)	974193	40.0000	38.43
	40 Acenaphthylene	152	12.250	12.252	(0.980)	1297887	40.0000	36.13
	41 2,6-Dinitrotoluene	165	12.298	12.305	(0.984)	239593	40.0000	41.37
*	42 Acenaphthene-d10	164	12.501	12.503	(1.000)	327933	20.0000	
	43 3-Nitroaniline	138	12.506	12.519	(1.000)	203699	40.0000	37.22
	44 Acenaphthene	153	12.554	12.562	(1.004)	826657	40.0000	37.71
	45 2,4-Dinitrophenol	184	12.672	12.690	(1.014)	374074	80.0000	99.17
	46 Dibenzofuran	168	12.816	12.823	(1.025)	1085318	40.0000	37.16
	47 4-Nitrophenol	109	12.842	12.861	(1.027)	129026	40.0000	42.60
	48 2,4-Dinitrotoluene	165	12.917	12.930	(1.033)	315304	40.0000	42.37
	50 Diethylphthalate	149	13.366	13.368	(1.069)	853959	40.0000	36.04
	49 Fluorene	166	13.371	13.379	(1.070)	916824	40.0000	36.55
	51 4-Chlorophenyl-phenylether	204	13.409	13.411	(1.073)	470235	40.0000	39.20
	52 4-Nitroaniline	138	13.505	13.523	(1.080)	232223	40.0000	41.03
	53 4,6-Dinitro-2-methylphenol	198	13.574	13.593	(0.913)	427429	80.0000	83.76
	54 N-Nitrosodiphenylamine	169	13.617	13.630	(0.916)	701173	40.0000	37.56
$	55 2,4,6-Tribromophenol	330	13.793	13.798	(1.103)	126637	40.0000	43.05
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	311111	40.0000	39.90
	57 Hexachlorobenzene	284	14.391	14.399	(0.968)	320970	40.0000	38.86
	58 Pentachlorophenol	266	14.696	14.704	(0.988)	212167	40.0000	46.95
*	59 Phenanthrene-d10	188	14.867	14.869	(1.000)	525448	20.0000	
	60 Phenanthrene	178	14.904	14.912	(1.002)	1256713	40.0000	36.54
	61 Anthracene	178	14.974	14.987	(1.007)	1305609	40.0000	36.63
	62 Carbazole	167	15.273	15.280	(1.027)	1186045	40.0000	35.94
	63 Di-n-butylphthalate	149	16.004	16.012	(1.077)	1500393	40.0000	37.06
	64 Fluoranthene	202	16.827	16.835	(1.132)	1385977	40.0000	37.10
	65 Pyrene	202	17.179	17.187	(0.896)	1346276	40.0000	36.18
$	66 Terphenyl-d14	244	17.516	17.515	(0.914)	801457	40.0000	37.83
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	691617	40.0000	39.94
	68 Benzo(a)anthracene	228	19.140	19.147	(0.999)	1310404	40.0000	37.25
*	69 Chrysene-d12	240	19.166	19.169	(1.000)	593530	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	420101	40.0000	36.85
	71 Chrysene	228	19.204	19.217	(1.002)	1223597	40.0000	36.98
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	938469	40.0000	39.60
*	134 Di-n-octylphthalate-d4	153	20.347	20.354	(1.000)	734023	20.0000	
	73 Di-n-octylphthalate	149	20.357	20.360	(1.001)	1521034	40.0000	36.48

	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	20.790	20.803	(0.976)	1434589	40.0000	38.74
75	Benzo(k)fluoranthene	252	20.822	20.840	(0.977)	1367201	40.0000	34.31
187	Total Benzofluoranthenes	252	20.822	20.840	(0.977)	2643068	80.0000	72.56
76	Benzo(a)pyrene	252	21.233	21.246	(0.996)	1331524	40.0000	37.91
* 77	Perylene-d12	264	21.308	21.316	(1.000)	534102	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.707	22.720	(1.066)	1785536	40.0000	38.43
79	Dibenzo(a,h)anthracene	278	22.729	22.747	(1.067)	1387194	40.0000	38.69
80	Benzo(g,h,i)perylene	276	23.065	23.089	(1.082)	1604879	40.0000	38.14
90	N-Nitrosodimethylamine	74	2.732	2.750	(0.360)	310807	40.0000	39.63
103	Pyridine	79	2.694	2.702	(0.355)	579976	40.0000	41.86
91	Aniline	93	7.154	7.157	(0.942)	696532	40.0000	38.40
105	1-methylnaphthalene	141	10.968	10.975	(1.137)	725171	40.0000	37.03
93	Benzidine	184	17.099	17.107	(0.892)	394646	40.0000	32.65
111	Azobenzene (1,2-DP-Hydrazine)	77	13.654	13.667	(1.092)	904684	40.0000	37.74
143	1,4-Dioxane	88	2.155	2.168	(0.284)	207666	40.0000	40.16
$ 137	d8-1,4-Dioxane	96	2.112	2.125	(0.278)	206960	40.0000	40.83
144	alpha-Terpineol	59	9.723	9.731	(1.008)	282130	40.0000	39.60
98	Retene	219	17.751	17.759	(0.926)	492059	40.0000	40.05
133	Butylatedhydroxytoluene	205	12.698	12.706	(1.016)	701480	40.0000	36.25
115	Tributyl Phosphate	99	13.745	13.763	(0.925)	1084412	40.0000	37.48
116	Dibutyl Phenyl Phosphate	175	15.454	15.457	(1.040)	777710	40.0000	39.89
117	Butyl Diphenyl Phosphate	94	17.126	17.134	(0.894)	253920	40.0000	39.24
118	Triphenyl Phosphate	326	18.723	18.731	(0.977)	259068	40.0000	41.25
123	Acetophenone	105	8.308	8.316	(1.094)	621273	40.0000	39.17
179	n-Decane	57	7.448	7.450	(0.981)	396980	40.0000	37.80
180	n-Octadecane	57	14.829	14.832	(0.997)	386562	40.0000	35.13
168	Pentachlorobenzene	250	12.858	12.866	(1.029)	361056	40.0000	39.43
113	Diphenyl Oxide	170	11.780	11.782	(0.942)	805094	40.0000	36.43
112	Biphenyl	154	11.582	11.590	(0.926)	911660	40.0000	36.39
120	2,3,4,6-Tetrachlorophenol	232	13.110	13.112	(1.049)	292380	40.0000	43.28
151	1,2,4,5-Tetrachlorobenzene	216	11.139	11.141	(0.891)	455577	40.0000	38.01
110	Tetrachloroguaiacol	247	14.829	14.842	(0.997)	326377	80.0000	79.63
109	3,4,5-Trichloroguaiacol	213	13.211	13.219	(0.889)	165311	40.0000	40.07
181	3,4,6-Trichloroguaiacol	211	13.323	13.331	(1.755)	199643	40.0000	43.13
108	4,5,6-Trichloroguaiacol	213	14.242	14.250	(1.139)	167783	40.0000	41.33
184	3,4-Dichloroguaiacol	192	11.673	11.675	(1.537)	174240	40.0000	42.69
107	4,5-Dichloroguaiacol	192	12.469	12.476	(0.997)	416165	80.0000	80.22
182	4,6-Dichloroguaiacol	192	12.469	12.476	(1.642)	416165	80.0000	83.01
185	4-Chloroguaiacol	115	10.594	10.596	(1.395)	107719	20.0000	20.93
186	Carbaryl	144	15.689	15.702	(1.055)	632465	40.0000	42.62
106	Guaiacol	124	8.580	8.588	(1.130)	427217	40.0000	38.56

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231005.D
Lab Smp Id: IC400723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC400723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	179813	-1.63
27 Naphthalene-d8	584137	292068	1168274	584978	0.14
42 Acenaphthene-d10	320442	160221	640884	327933	2.34
59 Phenanthrene-d10	503793	251896	1007586	525448	4.30
69 Chrysene-d12	532343	266172	1064686	593530	11.49
134 Di-n-octylphthala	719428	359714	1438856	734023	2.03
77 Perylene-d12	517269	258634	1034538	534102	3.25

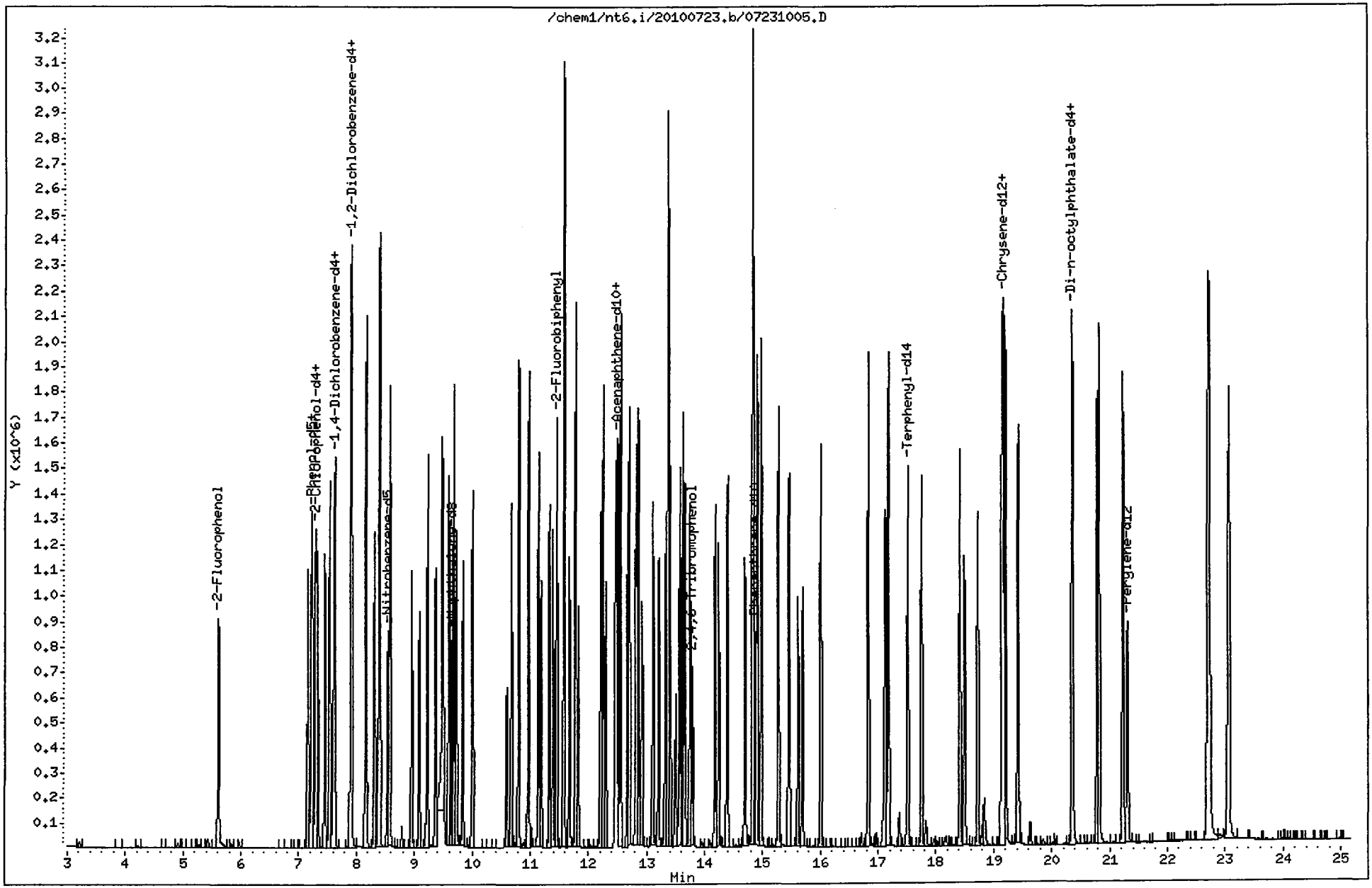
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.00
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.06
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.04
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	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/20100723.b/07231005.D
Date : 23-JUL-2010 17:29
Client ID: IC400723
Sample Info: IC400723,

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

Column phase: ZB-5msi



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231006.D
Lab Smp Id: IC600723 Client Smp ID: IC600723
Inj Date : 23-JUL-2010 18:01
Operator : JZ Inst ID: nt6.i
Smp Info : IC600723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:01 Cal File: 07231006.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.610	5.610	(0.738)	707424	60.0000	57.57
$	2 Phenol-d5	99	7.218	7.218	(0.950)	771071	60.0000	54.33
	3 Phenol	94	7.239	7.237	(0.953)	847974	60.0000	52.90
$	5 2-Chlorophenol-d4	132	7.303	7.303	(0.961)	648248	60.0000	54.08
	4 Bis(2-Chloroethyl)ether	93	7.287	7.290	(0.959)	659456	60.0000	53.84
	6 2-Chlorophenol	128	7.325	7.327	(0.964)	749255	60.0000	54.06
	7 1,3-Dichlorobenzene	146	7.533	7.530	(0.992)	878759	60.0000	54.34
*	8 1,4-Dichlorobenzene-d4	152	7.597	7.595	(1.000)	184946	20.0000	
	9 1,4-Dichlorobenzene	146	7.624	7.621	(1.004)	868746	60.0000	54.94
$	10 1,2-Dichlorobenzene-d4	152	7.896	7.896	(1.039)	463869	60.0000	55.77
	12 1,2-Dichlorobenzene	146	7.918	7.915	(1.042)	777966	60.0000	52.89
	11 Benzyl alcohol	108	7.907	7.910	(1.041)	432282	60.0000	57.83
	14 2,2'-oxybis(1-Chloropropane)	45	8.163	8.161	(1.075)	708425	60.0000	54.01
	13 2-Methylphenol	108	8.163	8.166	(1.075)	658836	60.0000	55.00
	17 Hexachloroethane	117	8.404	8.406	(1.106)	308477	60.0000	53.78
	16 N-Nitroso-di-n-propylamine	70	8.388	8.390	(1.104)	454211	60.0000	54.62
	15 4-Methylphenol	108	8.404	8.406	(1.106)	631240	60.0000	53.10
$	18 Nitrobenzene-d5	82	8.542	8.542	(0.885)	662173	60.0000	56.11
	19 Nitrobenzene	77	8.574	8.572	(0.889)	697353	60.0000	52.44
	20 Isophorone	82	8.959	8.967	(0.929)	1168591	60.0000	55.40
	21 2-Nitrophenol	139	9.087	9.090	(0.942)	458514	60.0000	59.41
	22 2,4-Dimethylphenol	107	9.231	9.234	(0.957)	699441	60.0000	54.35
	23 Bis(2-Chloroethoxy)methane	93	9.370	9.373	(0.971)	803647	60.0000	54.90
	24 Benzoic acid	105	9.568	9.603	(0.992)	1222479	120.000	133.3(M)
	25 2,4-Dichlorophenol	162	9.482	9.485	(0.983)	639889	60.0000	57.14
	26 1,2,4-Trichlorobenzene	180	9.595	9.597	(0.994)	663284	60.0000	53.96
*	27 Naphthalene-d8	136	9.648	9.651	(1.000)	607475	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	9.680	9.683	(1.003)	1781924	60.0000	50.35
	29 4-Chloroaniline	127	9.840	9.843	(1.020)	734328	60.0000	52.12
	30 Hexachlorobutadiene	225	10.006	10.009	(1.037)	405523	60.0000	57.07
	31 4-Chloro-3-methylphenol	107	10.679	10.682	(1.107)	612255	60.0000	56.70
	32 2-Methylnaphthalene	141	10.802	10.805	(1.120)	1018025	60.0000	52.84
	33 Hexachlorocyclopentadiene	237	11.181	11.184	(0.894)	425348	60.0000	71.46
	34 2,4,6-Trichlorophenol	196	11.330	11.333	(0.906)	465479	60.0000	59.61
	35 2,4,5-Trichlorophenol	196	11.389	11.392	(0.911)	483158	60.0000	59.92
$	36 2-Fluorobiphenyl	172	11.453	11.453	(0.916)	1244640	60.0000	52.20
	37 2-Chloronaphthalene	162	11.576	11.579	(0.926)	1199578	60.0000	51.72
	38 2-Nitroaniline	65	11.832	11.835	(0.947)	335276	60.0000	59.36
	39 Dimethylphthalate	163	12.217	12.220	(0.977)	1436593	60.0000	55.40
	40 Acenaphthylene	152	12.249	12.252	(0.980)	1817418	60.0000	50.29
	41 2,6-Dinitrotoluene	165	12.303	12.305	(0.984)	371177	60.0000	61.42
*	42 Acenaphthene-d10	164	12.500	12.503	(1.000)	340603	20.0000	
	43 3-Nitroaniline	138	12.516	12.519	(1.001)	274842	60.0000	49.96
	44 Acenaphthene	153	12.559	12.562	(1.005)	1199130	60.0000	53.76
	45 2,4-Dinitrophenol	184	12.682	12.690	(1.015)	605790	120.000	146.2
	46 Dibenzofuran	168	12.821	12.823	(1.026)	1586285	60.0000	53.43
	47 4-Nitrophenol	109	12.853	12.861	(1.028)	193631	60.0000	61.29 (M)
	48 2,4-Dinitrotoluene	165	12.927	12.930	(1.034)	481845	60.0000	61.94
	50 Diethylphthalate	149	13.371	13.368	(1.070)	1322312	60.0000	54.69
	49 Fluorene	166	13.376	13.379	(1.070)	1324287	60.0000	52.16
	51 4-Chlorophenyl-phenylether	204	13.408	13.411	(1.073)	706929	60.0000	57.25
	52 4-Nitroaniline	138	13.515	13.523	(1.081)	357914	60.0000	60.74
	53 4,6-Dinitro-2-methylphenol	198	13.584	13.593	(0.914)	680240	120.000	126.2
	54 N-Nitrosodiphenylamine	169	13.622	13.630	(0.916)	1042005	60.0000	54.50
$	55 2,4,6-Tribromophenol	330	13.798	13.798	(1.104)	200710	60.0000	64.67
	56 4-Bromophenyl-phenylether	248	14.183	14.185	(0.954)	469752	60.0000	58.12
	57 Hexachlorobenzene	284	14.391	14.399	(0.968)	487833	60.0000	57.16
	58 Pentachlorophenol	266	14.701	14.704	(0.989)	343904	60.0000	70.42
*	59 Phenanthrene-d10	188	14.866	14.869	(1.000)	548107	20.0000	
	60 Phenanthrene	178	14.909	14.912	(1.003)	1811434	60.0000	51.86
	61 Anthracene	178	14.978	14.987	(1.008)	1861671	60.0000	51.49
	62 Carbazole	167	15.272	15.280	(1.027)	1724877	60.0000	51.52
	63 Di-n-butylphthalate	149	16.009	16.012	(1.077)	2137856	60.0000	51.97
	64 Fluoranthene	202	16.832	16.835	(1.132)	1967573	60.0000	51.86
	65 Pyrene	202	17.184	17.187	(0.897)	1926828	60.0000	54.12
$	66 Terphenyl-d14	244	17.515	17.515	(0.914)	1184437	60.0000	57.75
	67 Butylbenzylphthalate	149	18.413	18.421	(0.961)	1016920	60.0000	60.17
	68 Benzo(a)anthracene	228	19.144	19.147	(0.999)	1907368	60.0000	56.27
*	69 Chrysene-d12	240	19.166	19.169	(1.000)	578965	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.166	19.174	(1.000)	614208	60.0000	55.97
	71 Chrysene	228	19.209	19.217	(1.002)	1763657	60.0000	55.47
	72 bis(2-Ethylhexyl)phthalate	149	19.417	19.420	(0.954)	1365056	60.0000	57.33
*	134 Di-n-octylphthalate-d4	153	20.346	20.354	(1.000)	744081	20.0000	
	73 Di-n-octylphthalate	149	20.362	20.360	(1.001)	2171789	60.0000	52.64

	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	20.795	20.803	(0.976)	2108839	60.0000	54.16
75	Benzo(k)fluoranthene	252	20.832	20.840	(0.978)	1999749	60.0000	48.59
187	Total Benzofluoranthenes	252	20.832	20.840	(0.978)	3887015	120.000	102.4
76	Benzo(a)pyrene	252	21.238	21.246	(0.997)	1975913	60.0000	53.59
* 77	Perylene-d12	264	21.308	21.316	(1.000)	572566	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.712	22.720	(1.066)	2716552	60.0000	55.38
79	Dibenzo(a,h)anthracene	278	22.739	22.747	(1.067)	2095539	60.0000	55.36
80	Benzo(g,h,i)perylene	276	23.075	23.089	(1.083)	2430911	60.0000	54.82
90	N-Nitrosodimethylamine	74	2.742	2.750	(0.361)	461166	60.0000	57.63
103	Pyridine	79	2.705	2.702	(0.356)	860099	60.0000	60.30
91	Aniline	93	7.159	7.157	(0.942)	1005247	60.0000	54.81
105	1-methylnaphthalene	141	10.973	10.975	(1.137)	1058350	60.0000	53.22
93	Benzidine	184	17.104	17.107	(0.892)	575385	60.0000	50.37
111	Azobenzene (1,2-DP-Hydrazine)	77	13.659	13.667	(1.093)	1300956	60.0000	53.40
143	1,4-Dioxane	88	2.165	2.168	(0.285)	310488	60.0000	58.64
$ 137	d8-1,4-Dioxane	96	2.122	2.125	(0.279)	315891	60.0000	60.49
144	alpha-Terpineol	59	9.728	9.731	(1.008)	427485	60.0000	58.13
98	Retene	219	17.756	17.759	(0.926)	752823	60.0000	62.33
133	Butylatedhydroxytoluene	205	12.703	12.706	(1.016)	1051020	60.0000	53.44
115	Tributyl Phosphate	99	13.755	13.763	(0.925)	1619252	60.0000	54.62
116	Dibutyl Phenyl Phosphate	175	15.454	15.457	(1.040)	1173813	60.0000	58.09
117	Butyl Diphenyl Phosphate	94	17.131	17.134	(0.894)	389020	60.0000	61.35
118	Triphenyl Phosphate	326	18.722	18.731	(0.977)	410539	60.0000	65.73
123	Acetophenone	105	8.313	8.316	(1.094)	917180	60.0000	56.82
179	n-Decane	57	7.453	7.450	(0.981)	581639	60.0000	54.78
180	n-Octadecane	57	14.829	14.832	(0.997)	552713	60.0000	49.79
168	Pentachlorobenzene	250	12.863	12.866	(1.029)	542976	60.0000	57.56
113	Diphenyl Oxide	170	11.779	11.782	(0.942)	1187278	60.0000	52.95
112	Biphenyl	154	11.587	11.590	(0.927)	1302449	60.0000	51.77
120	2,3,4,6-Tetrachlorophenol	232	13.109	13.112	(1.049)	464221	60.0000	65.05
151	1,2,4,5-Tetrachlorobenzene	216	11.138	11.141	(0.891)	701362	60.0000	56.91
110	Tetrachloroguaiacol	247	14.834	14.842	(0.998)	504715	120.000	118.4
109	3,4,5-Trichloroguaiacol	213	13.210	13.219	(0.889)	260835	60.0000	60.48
181	3,4,6-Trichloroguaiacol	211	13.328	13.331	(1.754)	313950	60.0000	64.67
108	4,5,6-Trichloroguaiacol	213	14.247	14.250	(1.140)	264245	60.0000	62.12
184	3,4-Dichloroguaiacol	192	11.672	11.675	(1.536)	272767	60.0000	63.91
107	4,5-Dichloroguaiacol	192	12.468	12.476	(0.997)	650083	120.000	120.5
182	4,6-Dichloroguaiacol	192	12.468	12.476	(1.641)	650734	120.000	124.9
185	4-Chloroguaiacol	115	10.593	10.596	(1.394)	167281	30.0000	31.27
186	Carbaryl	144	15.694	15.702	(1.056)	932958	60.0000	60.23
106	Guaiacol	124	8.585	8.588	(1.130)	647516	60.0000	57.33

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: 07231006.D
Lab Smp Id: IC600723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC600723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	184946	1.18
27 Naphthalene-d8	584137	292068	1168274	607475	4.00
42 Acenaphthene-d10	320442	160221	640884	340603	6.29
59 Phenanthrene-d10	503793	251896	1007586	548107	8.80
69 Chrysene-d12	532343	266172	1064686	578965	8.76
134 Di-n-octylphthala	719428	359714	1438856	744081	3.43
77 Perylene-d12	517269	258634	1034538	572566	10.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.60	0.07
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.05
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.00
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.03
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.03
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.00
77 Perylene-d12	21.31	20.81	21.81	21.31	0.00

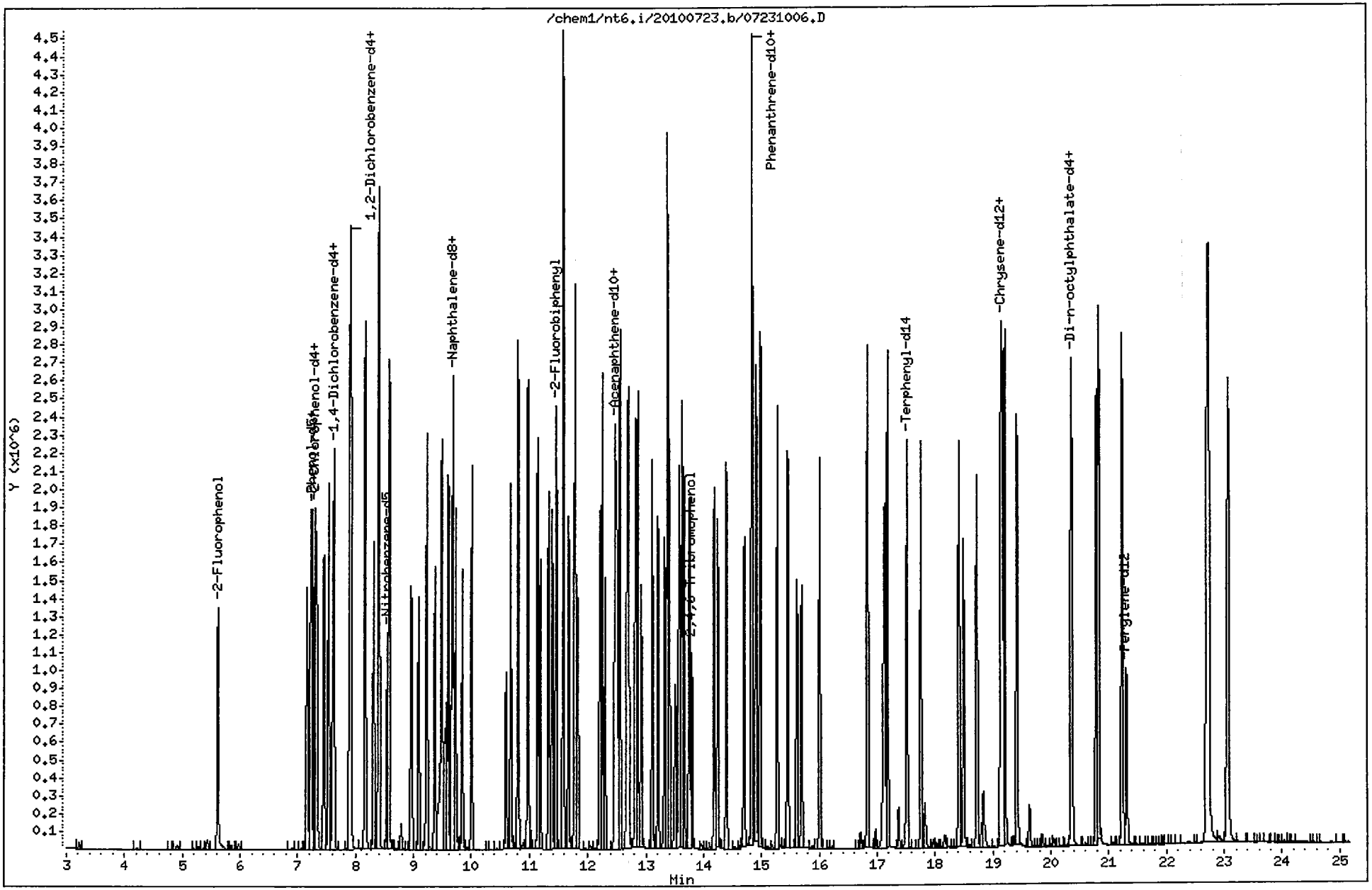
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100723.b/07231006.D
Date : 23-JUL-2010 18:01
Client ID: IC600723
Sample Info: IC600723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

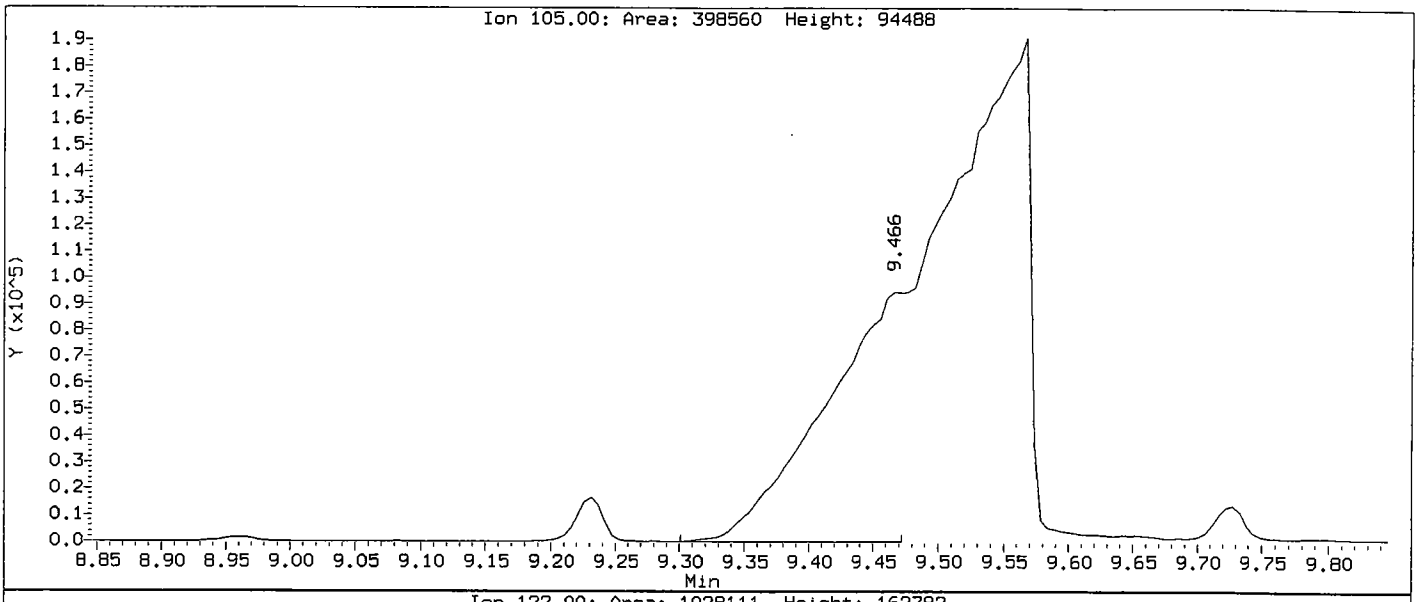
Column phase: ZB-5msi

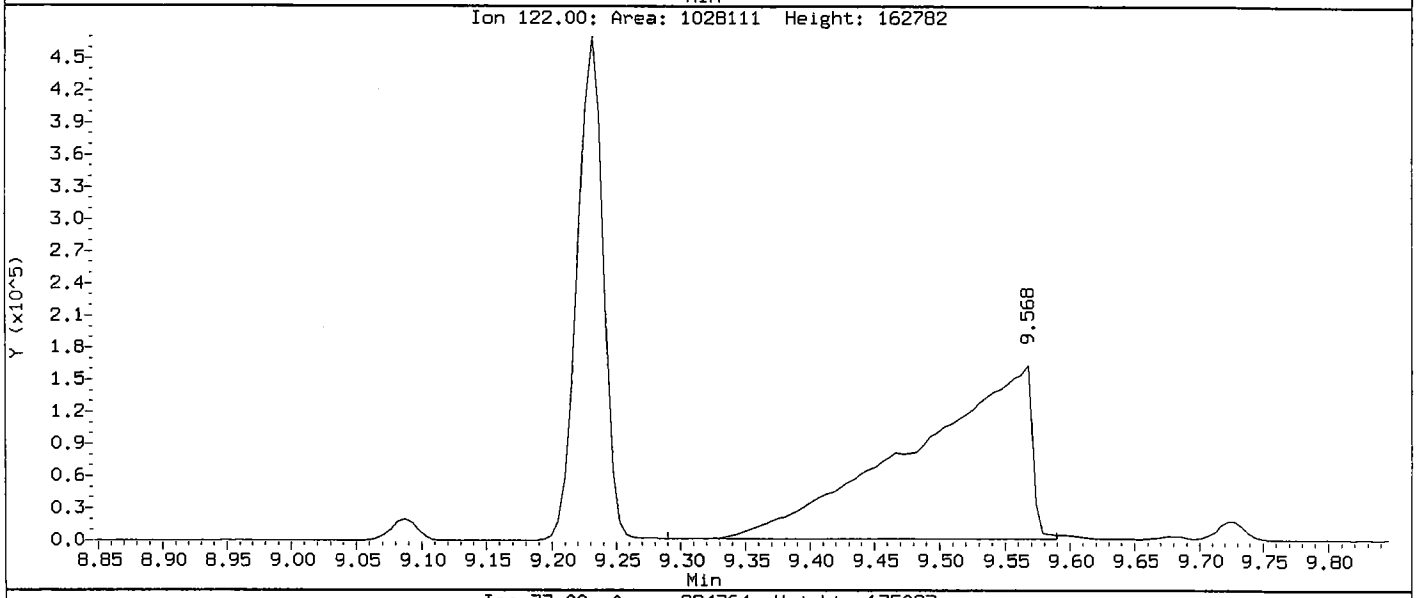


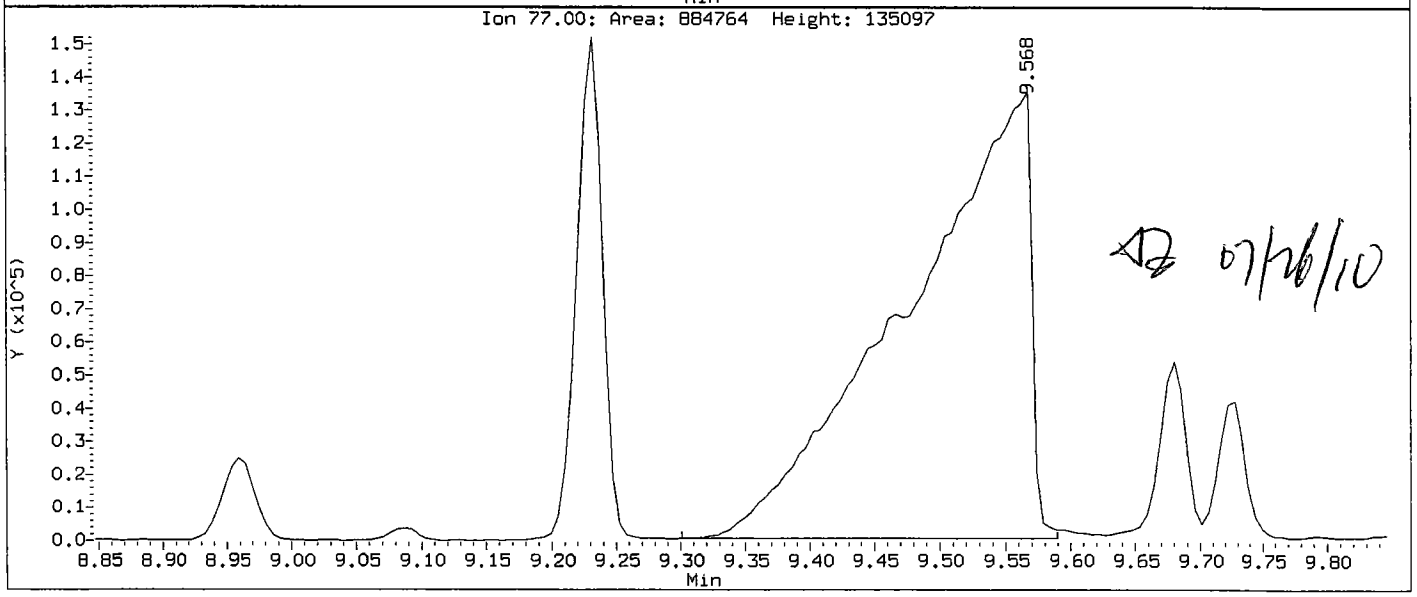
RG58:00658

Data File: /chem1/nt6.i/20100723.b/07231006.D
Injection Date: 23-JUL-2010 18:01
Instrument: nt6.i
Client Sample ID: IC600723

Compound: Benzoic acid
CAS Number: 65-85-0





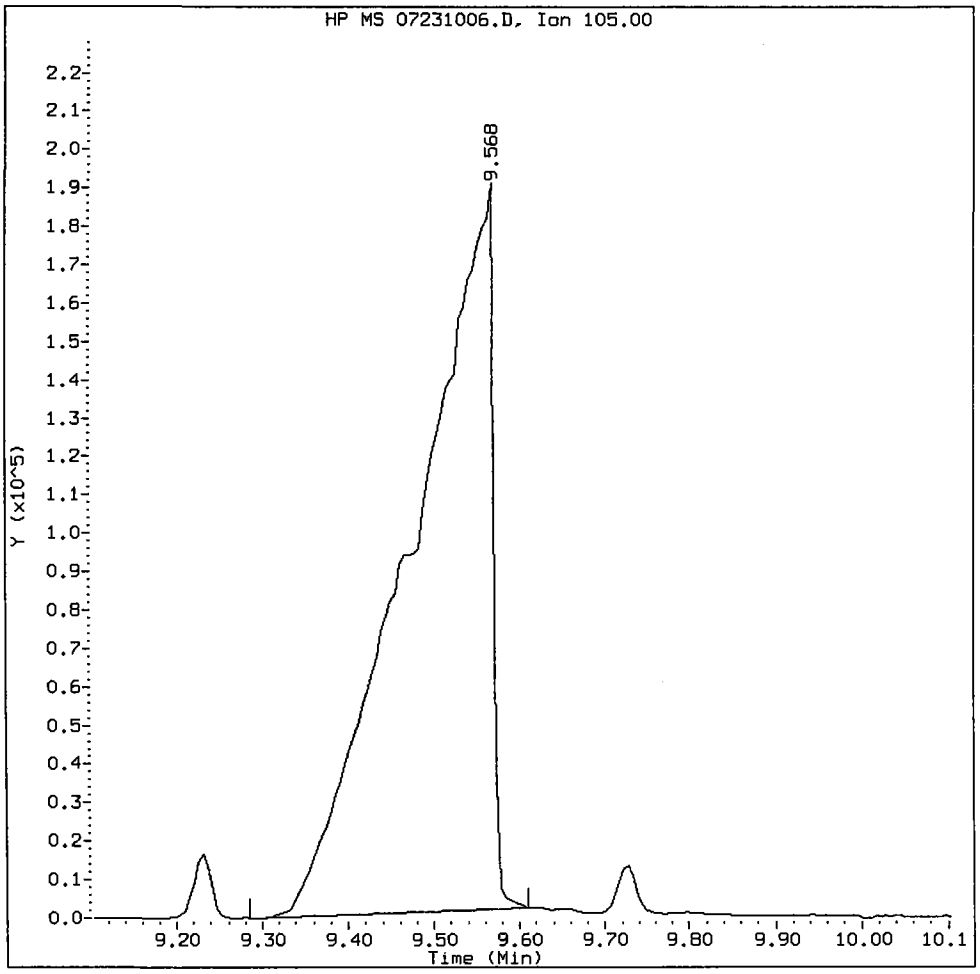


AD 07/26/10

RG58 : 00659

IC600723, /chem1/nt6.i/20100723.b/07231006.D

Benzoic acid Amount: 133.25 Area: 1222479



MANUAL INTEGRATION for Benzoic acid

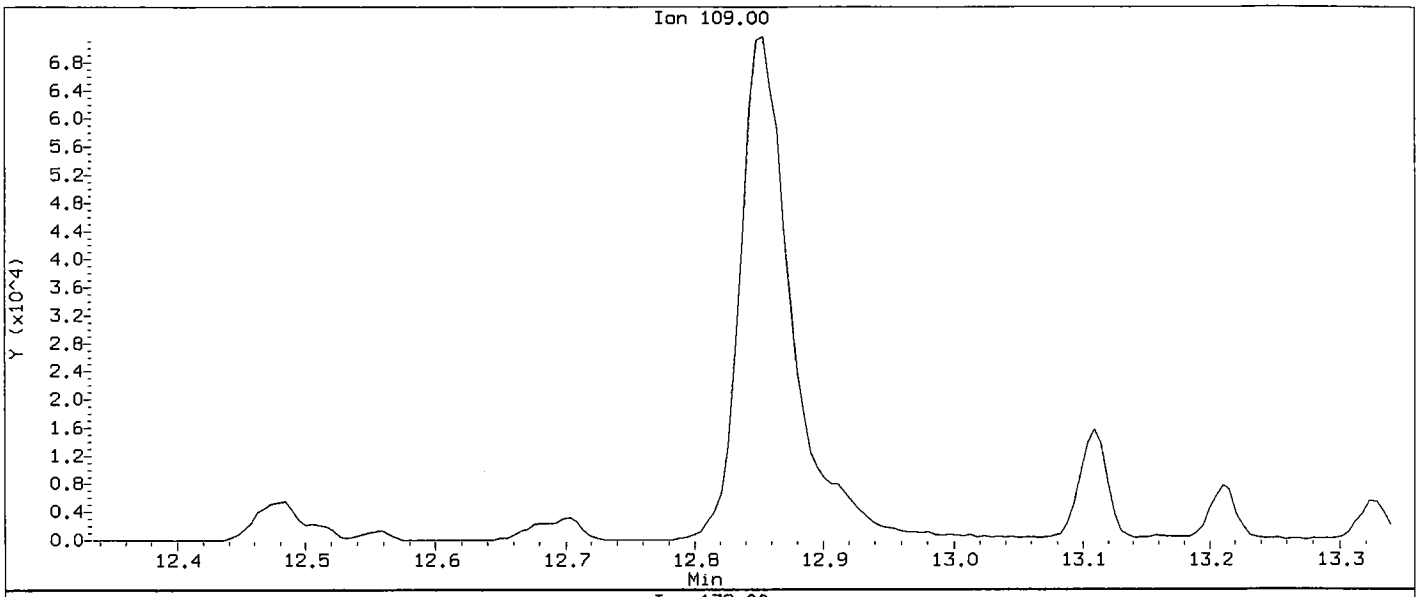
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

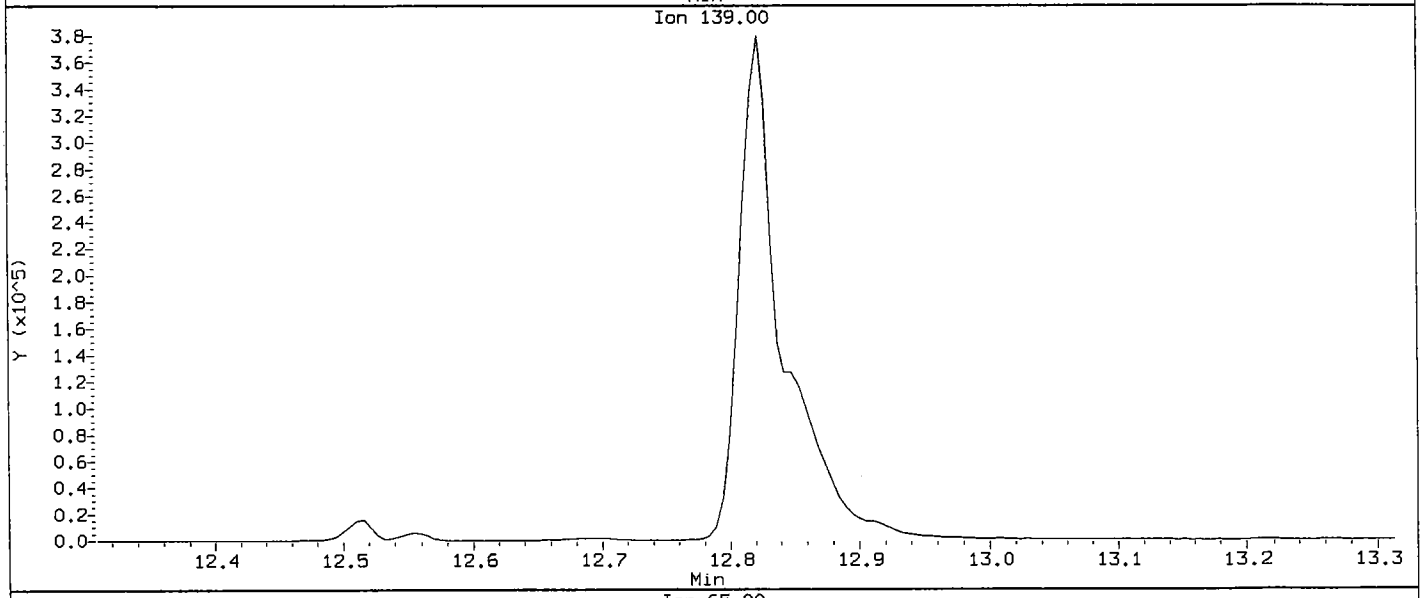
5. Other _____

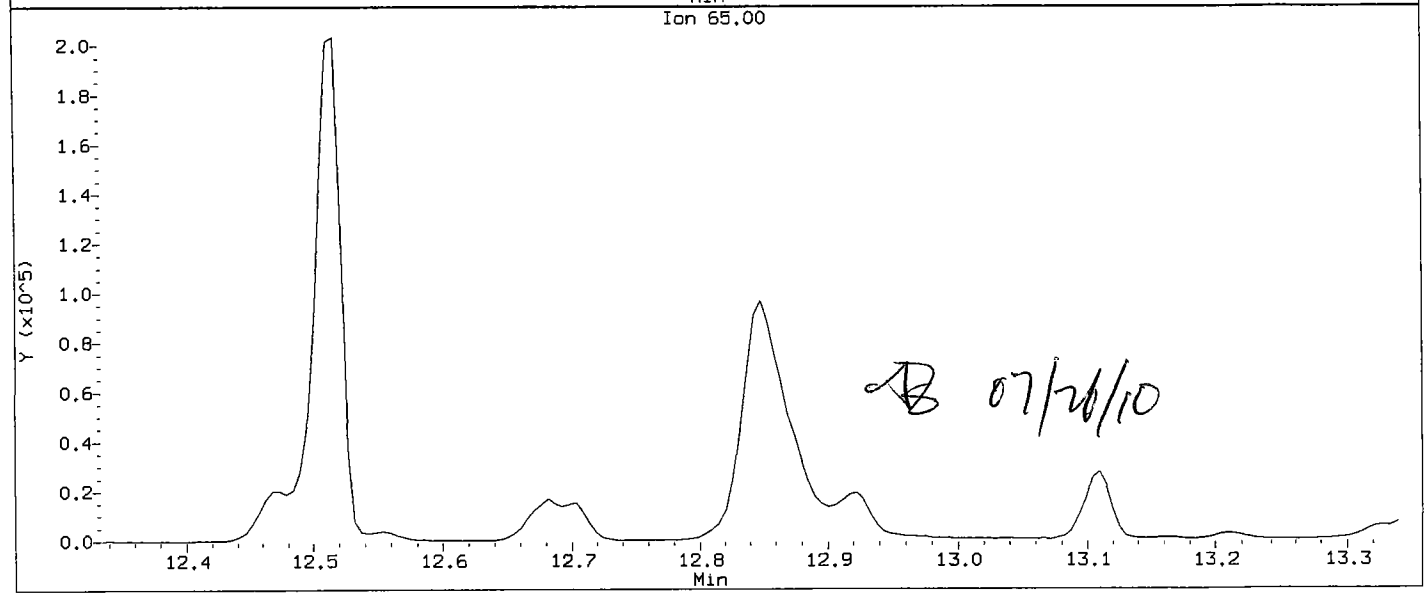
Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231006.D
Injection Date: 23-JUL-2010 18:01
Instrument: nt6.i
Client Sample ID: IC600723

Compound: 4-Nitrophenol
CAS Number: 100-02-7



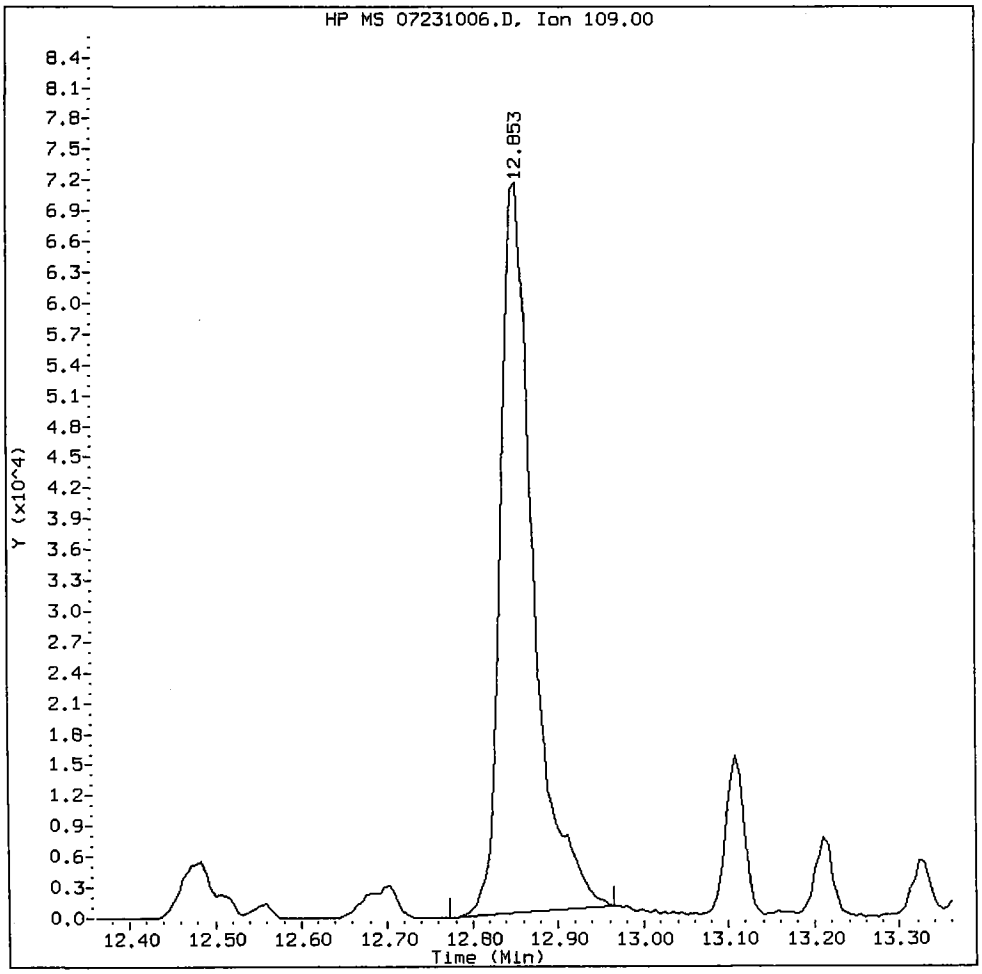




AB 07/28/10

IC600723, /chem1/nt6.i/20100723.b/07231006.D

4-Nitrophenol Amount: 61.29 Area: 193631



MANUAL INTEGRATION for 4-Nitrophenol

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231007.D
Lab Smp Id: IC800723 Client Smp ID: IC800723
Inj Date : 23-JUL-2010 18:38
Operator : JZ Inst ID: nt6.i
Smp Info : IC800723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:33 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

07/28/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$ 1	2-Fluorophenol	112	Compound Not Detected.					
$ 2	Phenol-d5	99	Compound Not Detected.					
3	Phenol	94	7.237	7.237	(0.953)	1126724	80.0000	71.82
$ 5	2-Chlorophenol-d4	132	Compound Not Detected.					
4	Bis(2-Chloroethyl)ether	93	7.290	7.290	(0.960)	883307	80.0000	73.45
6	2-Chlorophenol	128	7.327	7.327	(0.965)	974470	80.0000	71.84
7	1,3-Dichlorobenzene	146	7.530	7.530	(0.992)	1122451	80.0000	71.04
* 8	1,4-Dichlorobenzene-d4	152	7.595	7.595	(1.000)	184081	20.0000	
9	1,4-Dichlorobenzene	146	7.621	7.621	(1.004)	1114001	80.0000	71.96
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
12	1,2-Dichlorobenzene	146	7.915	7.915	(1.042)	1033272	80.0000	71.78
11	Benzyl alcohol	108	7.910	7.910	(1.041)	587828	80.0000	79.15
14	2,2'-oxybis(1-Chloropropane)	45	8.161	8.161	(1.075)	914751	80.0000	71.33
13	2-Methylphenol	108	8.166	8.166	(1.075)	828388	80.0000	70.81
17	Hexachloroethane	117	8.406	8.406	(1.107)	391434	80.0000	70.00
16	N-Nitroso-di-n-propylamine	70	8.390	8.390	(1.105)	582100	80.0000	71.57
15	4-Methylphenol	108	8.406	8.406	(1.107)	788189	80.0000	68.24
$ 18	Nitrobenzene-d5	82	Compound Not Detected.					
19	Nitrobenzene	77	8.572	8.572	(0.888)	938257	80.0000	72.12
20	Isophorone	82	8.967	8.967	(0.929)	1534357	80.0000	74.06
21	2-Nitrophenol	139	9.090	9.090	(0.942)	590820	80.0000	77.40
22	2,4-Dimethylphenol	107	9.234	9.234	(0.957)	891173	80.0000	70.95
23	Bis(2-Chloroethoxy)methane	93	9.373	9.373	(0.971)	1052582	80.0000	73.32
24	Benzoic acid	105	9.603	9.603	(0.995)	1615248	160.000	174.0(M)
25	2,4-Dichlorophenol	162	9.485	9.485	(0.983)	813900	80.0000	74.01
26	1,2,4-Trichlorobenzene	180	9.597	9.597	(0.994)	860458	80.0000	71.62
* 27	Naphthalene-d8	136	9.651	9.651	(1.000)	604045	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
	28 Naphthalene	128	9.683	9.683	(1.003)	2226345	80.0000	65.21
	29 4-Chloroaniline	127	9.843	9.843	(1.020)	933966	80.0000	68.29
	30 Hexachlorobutadiene	225	10.009	10.009	(1.037)	531907	80.0000	75.92
	31 4-Chloro-3-methylphenol	107	10.682	10.682	(1.107)	783143	80.0000	73.86
	32 2-Methylnaphthalene	141	10.805	10.805	(1.120)	1296353	80.0000	69.19
	33 Hexachlorocyclopentadiene	237	11.184	11.184	(0.894)	562487	80.0000	92.87
	34 2,4,6-Trichlorophenol	196	11.333	11.333	(0.906)	612923	80.0000	79.37
	35 2,4,5-Trichlorophenol	196	11.392	11.392	(0.911)	629388	80.0000	78.99
$	36 2-Fluorobiphenyl	172	Compound Not Detected.					
	37 2-Chloronaphthalene	162	11.579	11.579	(0.926)	1529762	80.0000	68.24
	38 2-Nitroaniline	65	11.835	11.835	(0.947)	440827	80.0000	78.99
	39 Dimethylphthalate	163	12.220	12.220	(0.977)	1852039	80.0000	73.16
	40 Acenaphthylene	152	12.252	12.252	(0.980)	2262161	80.0000	65.17
	41 2,6-Dinitrotoluene	165	12.305	12.305	(0.984)	495961	80.0000	82.45
*	42 Acenaphthene-d10	164	12.503	12.503	(1.000)	337280	20.0000	
	43 3-Nitroaniline	138	12.519	12.519	(1.001)	332728	80.0000	63.22
	44 Acenaphthene	153	12.562	12.562	(1.005)	1537831	80.0000	70.94
	45 2,4-Dinitrophenol	184	12.690	12.690	(1.015)	800753	160.000	188.3
	46 Dibenzofuran	168	12.823	12.823	(1.026)	2012989	80.0000	69.91
	47 4-Nitrophenol	109	12.861	12.861	(1.029)	250336	80.0000	80.02(M)
	48 2,4-Dinitrotoluene	165	12.930	12.930	(1.034)	641395	80.0000	82.78
	50 Diethylphthalate	149	13.368	13.368	(1.069)	1683972	80.0000	71.56
	49 Fluorene	166	13.379	13.379	(1.070)	1669783	80.0000	68.07
	51 4-Chlorophenyl-phenylether	204	13.411	13.411	(1.073)	924625	80.0000	76.22
	52 4-Nitroaniline	138	13.523	13.523	(1.082)	480261	80.0000	81.96
	53 4,6-Dinitro-2-methylphenol	198	13.593	13.593	(0.914)	898863	160.000	165.3
	54 N-Nitrosodiphenylamine	169	13.630	13.630	(0.917)	1336197	80.0000	71.05
$	55 2,4,6-Tribromophenol	330	Compound Not Detected.					
	56 4-Bromophenyl-phenylether	248	14.185	14.185	(0.954)	623118	80.0000	77.37
	57 Hexachlorobenzene	284	14.399	14.399	(0.968)	646668	80.0000	76.22
	58 Pentachlorophenol	266	14.704	14.704	(0.989)	459345	80.0000	91.60
*	59 Phenanthrene-d10	188	14.869	14.869	(1.000)	549184	20.0000	
	60 Phenanthrene	178	14.912	14.912	(1.003)	2305020	80.0000	67.57
	61 Anthracene	178	14.987	14.987	(1.008)	2344156	80.0000	66.52
	62 Carbazole	167	15.280	15.280	(1.028)	2213821	80.0000	67.69
	63 Di-n-butylphthalate	149	16.012	16.012	(1.077)	2664538	80.0000	66.47
	64 Fluoranthene	202	16.835	16.835	(1.132)	2453870	80.0000	66.39
	65 Pyrene	202	17.187	17.187	(0.897)	2416567	80.0000	69.90
$	66 Terphenyl-d14	244	Compound Not Detected.					
	67 Butylbenzylphthalate	149	18.421	18.421	(0.961)	1317448	80.0000	78.82
	68 Benzo(a)anthracene	228	19.147	19.147	(0.999)	2451149	80.0000	73.87
*	69 Chrysene-d12	240	19.169	19.169	(1.000)	574045	20.0000	
	70 3,3'-Dichlorobenzidine	252	19.174	19.174	(1.000)	807285	80.0000	74.97
	71 Chrysene	228	19.217	19.217	(1.002)	2263478	80.0000	72.87
	72 bis(2-Ethylhexyl)phthalate	149	19.420	19.420	(0.954)	1765240	80.0000	75.51
*	134 Di-n-octylphthalate-d4	153	20.354	20.354	(1.000)	737424	20.0000	
	73 Di-n-octylphthalate	149	20.360	20.360	(1.000)	2759606	80.0000	69.04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
74	Benzo(b)fluoranthene	252	20.803	20.803	(0.976)	2878066	80.0000	72.41
75	Benzo(k)fluoranthene	252	20.840	20.840	(0.978)	2488308	80.0000	60.66
187	Total Benzofluoranthenes	252	20.840	20.840	(0.978)	5048243	160.000	132.0
76	Benzo(a)pyrene	252	21.246	21.246	(0.997)	2615653	80.0000	69.86
* 77	Perylene-d12	264	21.316	21.316	(1.000)	593718	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.720	22.720	(1.066)	3631800	80.0000	72.51
79	Dibenzo(a,h)anthracene	278	22.747	22.747	(1.067)	2711737	80.0000	70.46
80	Benzo(g,h,i)perylene	276	23.089	23.089	(1.083)	3230387	80.0000	71.50
90	N-Nitrosodimethylamine	74	2.750	2.750	(0.362)	620385	80.0000	78.18
103	Pyridine	79	2.702	2.702	(0.356)	1128868	80.0000	79.58
91	Aniline	93	7.157	7.157	(0.942)	1299555	80.0000	72.33
105	1-methylnaphthalene	141	10.975	10.975	(1.137)	1345774	80.0000	69.54
93	Benzidine	184	17.107	17.107	(0.892)	743780	80.0000	67.39
111	Azobenzene (1,2-DP-Hydrazine)	77	13.667	13.667	(1.093)	1784288	80.0000	74.77
143	1,4-Dioxane	88	2.168	2.168	(0.285)	412510	80.0000	78.51
$ 137	d8-1,4-Dioxane	96	2.125	2.125	(0.280)	419134	80.0000	80.55
144	alpha-Terpineol	59	9.731	9.731	(1.008)	549670	80.0000	75.83
98	Retene	219	17.759	17.759	(0.926)	959990	80.0000	80.14
133	Butylatedhydroxytoluene	205	12.706	12.706	(1.016)	1283146	80.0000	67.59
115	Tributyl Phosphate	99	13.763	13.763	(0.926)	2014000	80.0000	69.31
116	Dibutyl Phenyl Phosphate	175	15.457	15.457	(1.040)	1481750	80.0000	74.09
117	Butyl Diphenyl Phosphate	94	17.134	17.134	(0.894)	494257	80.0000	78.81
118	Triphenyl Phosphate	326	18.731	18.731	(0.977)	539388	80.0000	86.01
123	Acetophenone	105	8.316	8.316	(1.095)	1188668	80.0000	74.79
179	n-Decane	57	7.450	7.450	(0.981)	749840	80.0000	72.12
180	n-Octadecane	57	14.832	14.832	(0.997)	703022	80.0000	65.16
168	Pentachlorobenzene	250	12.866	12.866	(1.029)	718448	80.0000	77.34
113	Diphenyl Oxide	170	11.782	11.782	(0.942)	1519811	80.0000	69.89
112	Biphenyl	154	11.590	11.590	(0.927)	1616091	80.0000	66.98
120	2,3,4,6-Tetrachlorophenol	232	13.112	13.112	(1.049)	600513	80.0000	84.23
151	1,2,4,5-Tetrachlorobenzene	216	11.141	11.141	(0.891)	882626	80.0000	73.33
110	Tetrachloroguaiacol	247	14.842	14.842	(0.998)	648752	160.000	153.2
109	3,4,5-Trichloroguaiacol	213	13.219	13.219	(0.889)	337376	80.0000	78.39
181	3,4,6-Trichloroguaiacol	211	13.331	13.331	(1.755)	409150	80.0000	83.85
108	4,5,6-Trichloroguaiacol	213	14.250	14.250	(1.140)	347921	80.0000	82.16
184	3,4-Dichloroguaiacol	192	11.675	11.675	(1.537)	356500	80.0000	83.24
107	4,5-Dichloroguaiacol	192	12.476	12.476	(0.998)	832681	160.000	156.6
182	4,6-Dichloroguaiacol	192	12.476	12.476	(1.643)	834886	160.000	160.8
185	4-Chloroguaiacol	115	10.596	10.596	(1.395)	216477	40.0000	40.55
186	Carbaryl	144	15.702	15.702	(1.056)	1238106	80.0000	79.80
106	Guaiacol	124	8.588	8.588	(1.131)	826280	80.0000	74.37

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: 07231007.D
Lab Smp Id: IC800723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: IC800723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	184081	0.71
27 Naphthalene-d8	584137	292068	1168274	604045	3.41
42 Acenaphthene-d10	320442	160221	640884	337280	5.25
59 Phenanthrene-d10	503793	251896	1007586	549184	9.01
69 Chrysene-d12	532343	266172	1064686	574045	7.83
134 Di-n-octylphthala	719428	359714	1438856	737424	2.50
77 Perylene-d12	517269	258634	1034538	593718	14.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	0.03
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.08
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.87	0.05
69 Chrysene-d12	19.16	18.66	19.66	19.17	0.04
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.04
77 Perylene-d12	21.31	20.81	21.81	21.32	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.

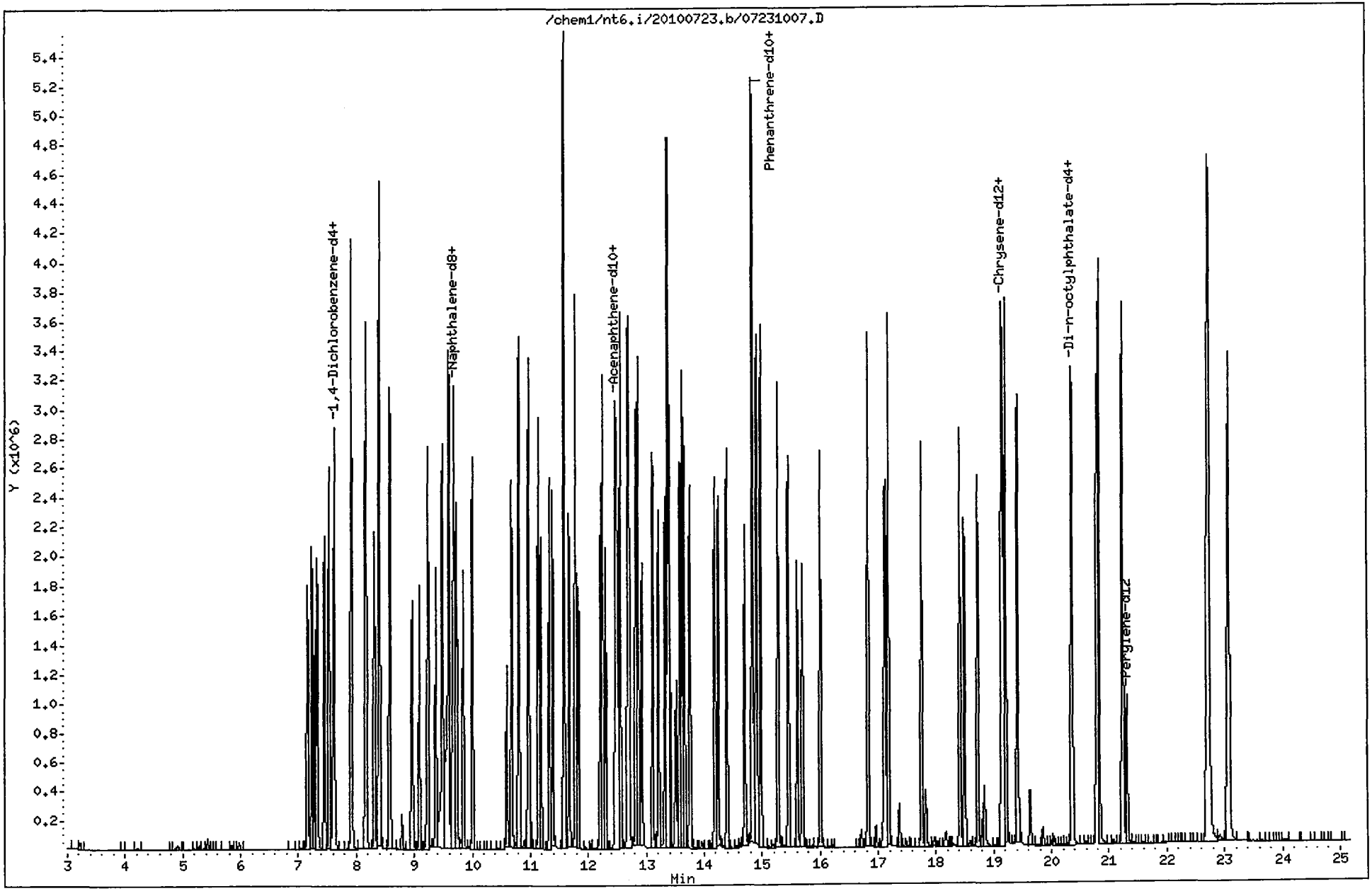
Data File: /chem1/nt6.i/20100723.b/07231007.D
Date : 23-JUL-2010 18:38
Client ID: IC800723
Sample Info: IC800723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

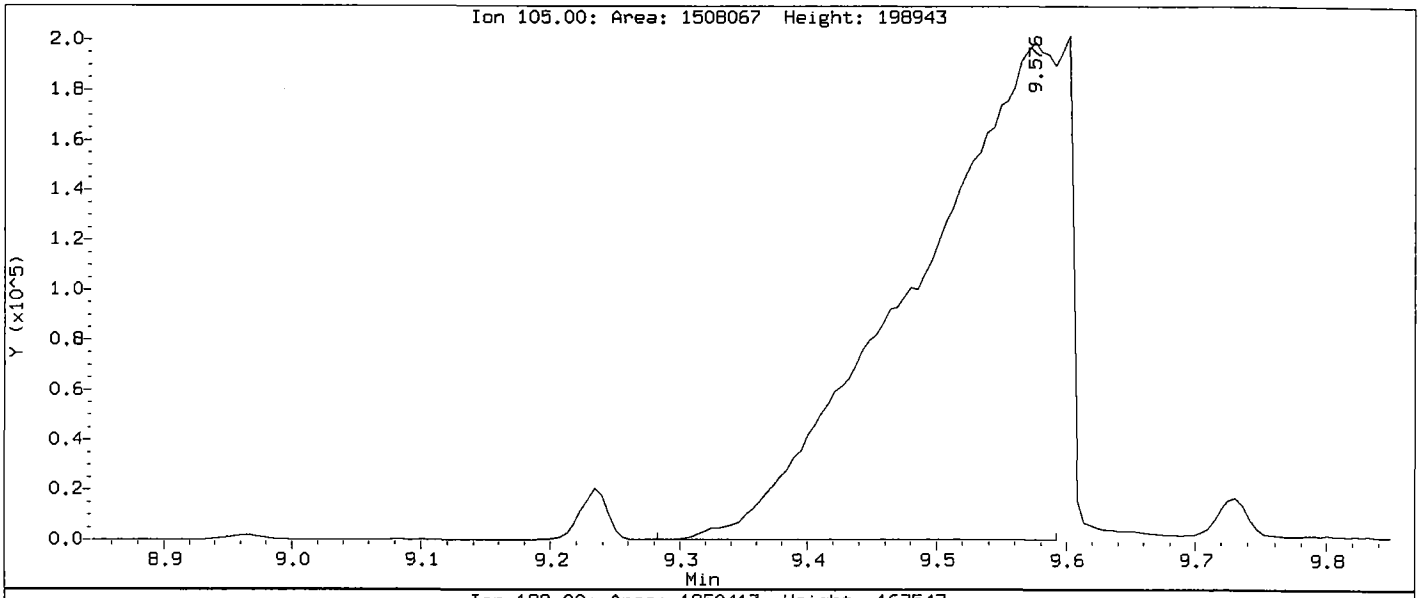
Column phase: ZB-5msi

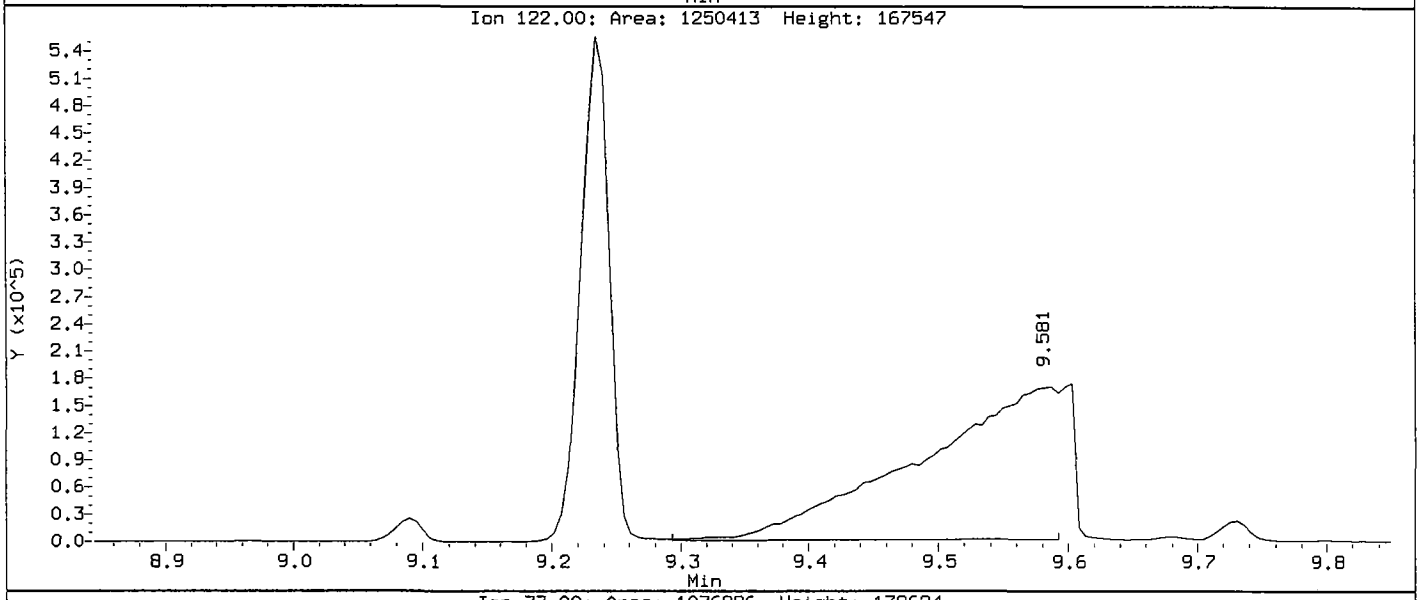
RG58:00667

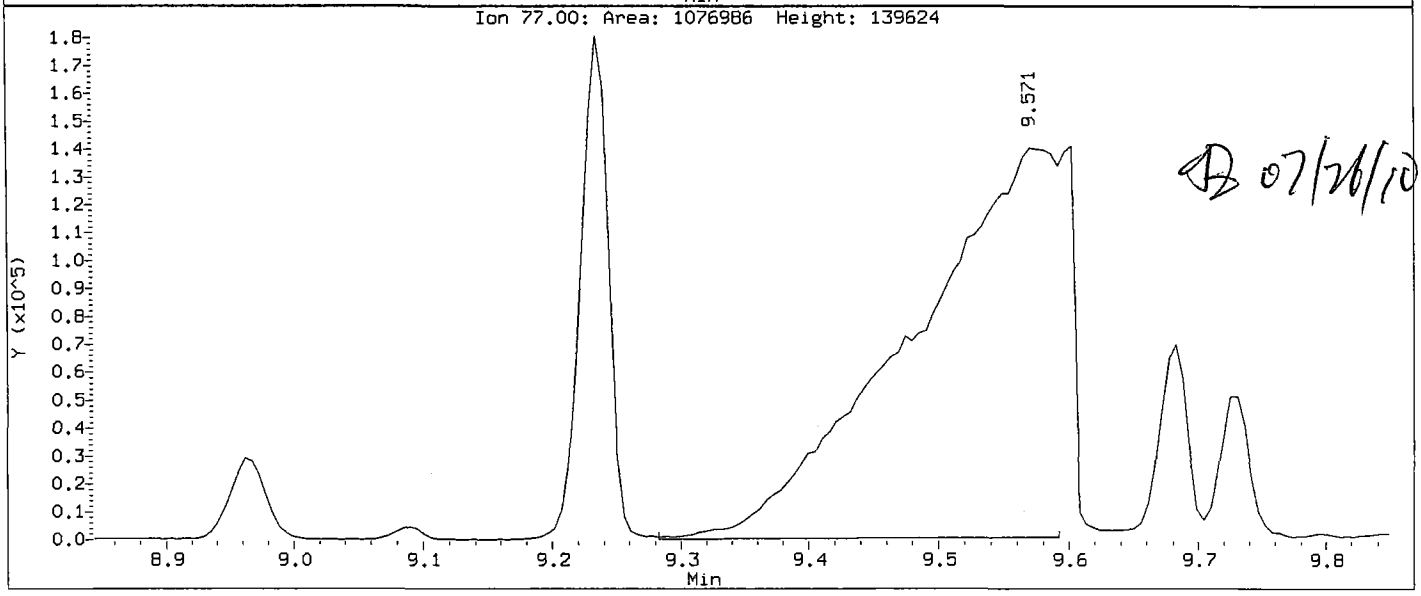


Data File: /chem1/nt6.i/20100723.b/07231007.D
Injection Date: 23-JUL-2010 18:38
Instrument: nt6.i
Client Sample ID: IC800723

Compound: Benzoic acid
CAS Number: 65-85-0



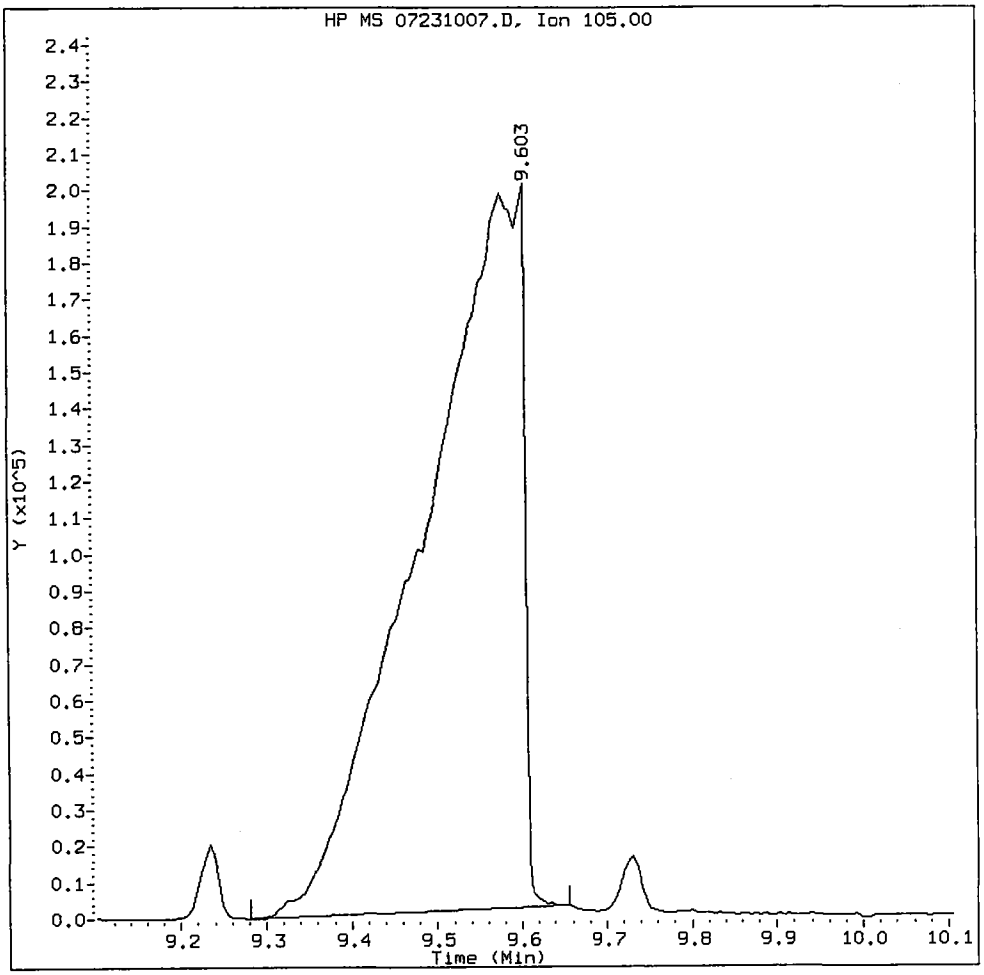




D 07/26/10

IC800723, /chem1/nt6.i/20100723.b/07231007.D

Benzoic acid Amount: 173.97 Area: 1615248



MANUAL INTEGRATION for Benzoic acid

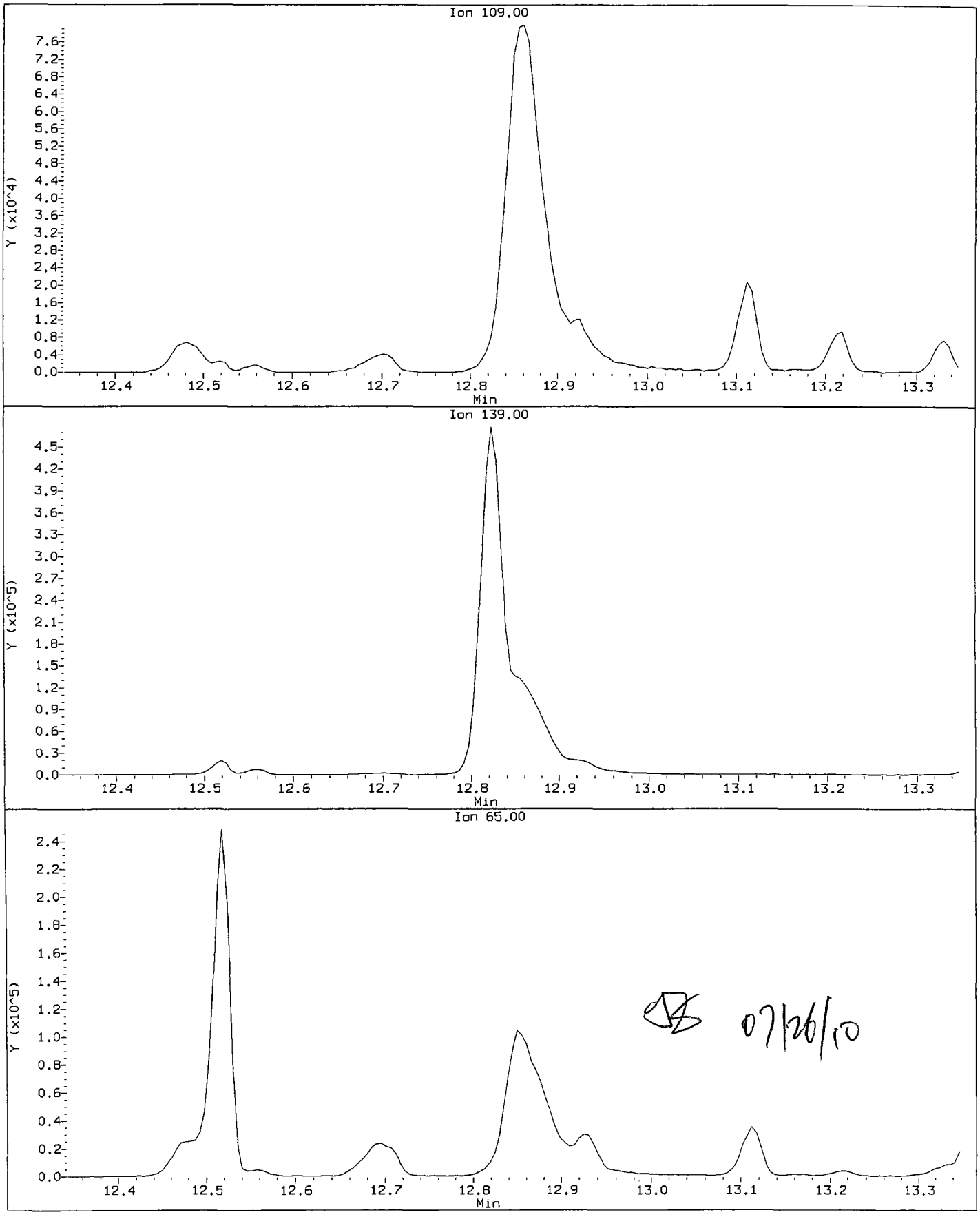
1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: _____ Date: 07/26/10

Data File: /chem1/nt6.i/20100723.b/07231007.D
Injection Date: 23-JUL-2010 18:38
Instrument: nt6.i
Client Sample ID: IC800723

Compound: 4-Nitrophenol
CAS Number: 100-02-7

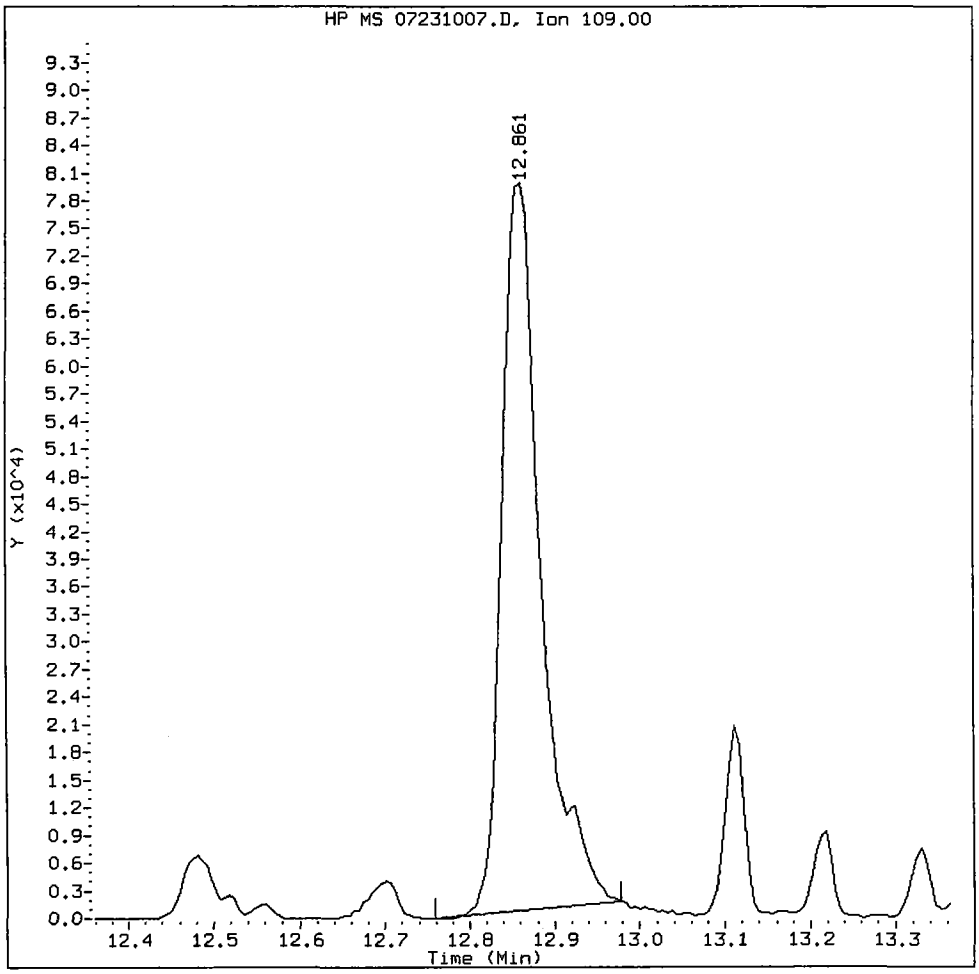


07/26/10

RG58 : 00670

IC800723, /chem1/nt6.i/20100723.b/07231007.D

4-Nitrophenol Amount: 80.02 Area: 250336



MANUAL INTEGRATION for 4-Nitrophenol

1. Baseline correction
2. Poor chromatography
3. Peak not found
4. Totals calculation

5. Other _____

Analyst: AZ Date: 07/26/10

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100723.b/07231008.D
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Inj Date : 23-JUL-2010 20:17
Operator : JZ Inst ID: nt6.i
Smp Info : ICV0723,
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100723.b/SW846072310.m
Meth Date : 26-Jul-2010 11:35 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 8 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICAL.sub
Target Version: 3.50

JZ 07/26/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
$	1 2-Fluorophenol	112	5.602	5.610	(0.738)	302142	25.7548	25.75(R)
$	2 Phenol-d5	99	7.204	7.218	(0.949)	335463	24.7563	24.76(R)
	3 Phenol	94	7.226	7.237	(0.952)	339785	22.5779	22.58
$	5 2-Chlorophenol-d4	132	7.295	7.303	(0.961)	281753	24.6175	24.62(R)
	4 Bis(2-Chloroethyl)ether	93	7.279	7.290	(0.959)	304187	26.3668	26.37
	6 2-Chlorophenol	128	7.316	7.327	(0.964)	291054	22.3679	22.37
	7 1,3-Dichlorobenzene	146	7.525	7.530	(0.992)	378563	24.9751	24.98
*	8 1,4-Dichlorobenzene-d4	152	7.589	7.595	(1.000)	176582	20.0000	
	9 1,4-Dichlorobenzene	146	7.616	7.621	(1.004)	373980	25.1845	25.18
$	10 1,2-Dichlorobenzene-d4	152	7.888	7.896	(1.039)	197842	24.9146	24.91(R)
	12 1,2-Dichlorobenzene	146	7.909	7.915	(1.042)	346390	25.0849	25.08
	11 Benzyl alcohol	108	7.899	7.910	(1.041)	205971	28.9097	28.91
	14 2,2'-oxybis(1-Chloropropane)	45	8.155	8.161	(1.075)	320212	26.0298	26.03
	13 2-Methylphenol	108	8.155	8.166	(1.075)	260466	23.2089	23.21
	17 Hexachloroethane	117	8.401	8.406	(1.107)	138110	25.7462	25.75
	16 N-Nitroso-di-n-propylamine	70	8.374	8.390	(1.103)	210206	26.9423	26.94
	15 4-Methylphenol	108	8.390	8.406	(1.106)	259863	23.4548	23.45
$	18 Nitrobenzene-d5	82	8.534	8.542	(0.885)	274740	24.2876	24.29(R)
	19 Nitrobenzene	77	8.561	8.572	(0.888)	317981	25.3562	25.36
	20 Isophorone	82	8.945	8.967	(0.927)	556067	27.8428	27.84
	21 2-Nitrophenol	139	9.079	9.090	(0.941)	165718	22.5221	22.52
	22 2,4-Dimethylphenol	107	9.223	9.234	(0.956)	266385	22.0023	22.00
	23 Bis(2-Chloroethoxy)methane	93	9.362	9.373	(0.971)	346047	25.0051	25.01
	24 Benzoic acid	105	9.458	9.603	(0.981)	411600	45.9898	45.99
	25 2,4-Dichlorophenol	162	9.474	9.485	(0.982)	229314	21.6315	21.63
	26 1,2,4-Trichlorobenzene	180	9.592	9.597	(0.994)	290055	25.0468	25.05
*	27 Naphthalene-d8	136	9.645	9.651	(1.000)	582262	20.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
28	Naphthalene	128	9.672	9.683	(1.003)	855843	26.0064	26.01
29	4-Chloroaniline	127	9.837	9.843	(1.020)	369626	28.0380	28.04
30	Hexachlorobutadiene	225	10.003	10.009	(1.037)	170071	25.1822	25.18
31	4-Chloro-3-methylphenol	107	10.671	10.682	(1.106)	226211	22.1338	22.13
32	2-Methylnaphthalene	141	10.799	10.805	(1.120)	485070	26.8581	26.86
33	Hexachlorocyclopentadiene	237	11.178	11.184	(0.894)	155013	23.0155	23.02
34	2,4,6-Trichlorophenol	196	11.322	11.333	(0.906)	163848	22.0919	22.09
35	2,4,5-Trichlorophenol	196	11.381	11.392	(0.911)	172363	22.5234	22.52
$ 36	2-Fluorobiphenyl	172	11.450	11.453	(0.916)	546411	24.0943	24.09(R)
37	2-Chloronaphthalene	162	11.573	11.579	(0.926)	532254	24.7189	24.72
38	2-Nitroaniline	65	11.824	11.835	(0.946)	149026	27.8009	27.80
39	Dimethylphthalate	163	12.204	12.220	(0.976)	629083	25.8720	25.87
40	Acenaphthylene	152	12.246	12.252	(0.980)	848021	25.4360	25.44
41	2,6-Dinitrotoluene	165	12.294	12.305	(0.984)	145173	25.1272	25.13
* 42	Acenaphthene-d10	164	12.497	12.503	(1.000)	323945	20.0000	
43	3-Nitroaniline	138	12.503	12.519	(1.000)	149842	29.6424	29.64
44	Acenaphthene	153	12.551	12.562	(1.004)	536105	25.7493	25.75
45	2,4-Dinitrophenol	184	12.668	12.690	(1.014)	201042	42.3460	42.35
46	Dibenzofuran	168	12.812	12.823	(1.025)	752607	27.2141	27.21
47	4-Nitrophenol	109	12.839	12.861	(1.027)	71518	23.8006	23.80
48	2,4-Dinitrotoluene	165	12.914	12.930	(1.033)	194901	26.1903	26.19
50	Diethylphthalate	149	13.357	13.368	(1.069)	572287	25.3218	25.32
49	Fluorene	166	13.368	13.379	(1.070)	602733	25.5811	25.58
51	4-Chlorophenyl-phenylether	204	13.405	13.411	(1.073)	292139	25.0726	25.07
52	4-Nitroaniline	138	13.496	13.523	(1.080)	152959	27.1798	27.18
53	4,6-Dinitro-2-methylphenol	198	13.566	13.593	(0.913)	223359	43.6280	43.63
54	N-Nitrosodiphenylamine	169	13.614	13.630	(0.916)	427806	24.1637	24.16
$ 55	2,4,6-Tribromophenol	330	13.790	13.798	(1.103)	75610	25.6162	25.62(R)
56	4-Bromophenyl-phenylether	248	14.180	14.185	(0.954)	191744	25.2907	25.29
57	Hexachlorobenzene	284	14.388	14.399	(0.968)	200104	25.0540	25.05
58	Pentachlorophenol	266	14.692	14.704	(0.988)	106284	22.5154	22.52
* 59	Phenanthrene-d10	188	14.863	14.869	(1.000)	516976	20.0000	
60	Phenanthrene	178	14.901	14.912	(1.002)	817896	25.4699	25.47
61	Anthracene	178	14.970	14.987	(1.007)	843835	25.4372	25.44
62	Carbazole	167	15.269	15.280	(1.027)	757904	24.6171	24.62
63	Di-n-butylphthalate	149	16.006	16.012	(1.077)	984901	26.1018	26.10
64	Fluoranthene	202	16.829	16.835	(1.132)	924404	26.5666	26.57
65	Pyrene	202	17.176	17.187	(0.896)	895541	27.3311	27.33
$ 66	Terphenyl-d14	244	17.513	17.515	(0.914)	502221	26.0581	26.06(R)
67	Butylbenzylphthalate	149	18.410	18.421	(0.961)	445853	28.1439	28.14
68	Benzo(a)anthracene	228	19.136	19.147	(0.999)	853493	27.1378	27.14
* 69	Chrysene-d12	240	19.163	19.169	(1.000)	544051	20.0000	
70	3,3'-Dichlorobenzidine	252	19.163	19.174	(1.000)	296160	29.0191	29.02
71	Chrysene	228	19.200	19.217	(1.002)	787876	26.7633	26.76
72	bis(2-Ethylhexyl)phthalate	149	19.414	19.420	(0.954)	606626	26.1539	26.15
* 134	Di-n-octylphthalate-d4	153	20.349	20.354	(1.000)	731609	20.0000	
73	Di-n-octylphthalate	149	20.359	20.360	(1.001)	983437	24.7985	24.80

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)
74	Benzo(b)fluoranthene	252	20.787	20.803	(0.976)	939291	26.8309	26.83
75	Benzo(k)fluoranthene	252	20.819	20.840	(0.977)	899448	24.8923	24.89
187	Total Benzofluoranthenes	252	20.819	20.840	(0.977)	1738917	51.6417	51.64
76	Benzo(a)pyrene	252	21.225	21.246	(0.996)	801751	24.3128	24.31
* 77	Perylene-d12	264	21.305	21.316	(1.000)	522945	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.699	22.720	(1.065)	1164841	26.4045	26.40
79	Dibenzo(a,h)anthracene	278	22.725	22.747	(1.067)	891426	26.2958	26.30
80	Benzo(g,h,i)perylene	276	23.057	23.089	(1.082)	1016920	25.5542	25.55
90	N-Nitrosodimethylamine	74	2.718	2.750	(0.358)	203152	26.6890	26.69
103	Pyridine	79	2.686	2.702	(0.354)	386661	28.4162	28.42
91	Aniline	93	7.151	7.157	(0.942)	509239	29.5450	29.55
105	1-methylnaphthalene	141	10.964	10.975	(1.137)	465323	24.9433	24.94
93	Benzidine	184	17.101	17.107	(0.892)	330482	31.5959	31.60
111	Azobenzene (1,2-DP-Hydrazine)	77	13.651	13.667	(1.092)	566528	24.7167	24.72
143	1,4-Dioxane	88	2.146	2.168	(0.283)	134807	26.7477	26.75
$ 137	d8-1,4-Dioxane	96	2.104	2.125	(0.277)	124707	24.9828	24.98(R)
144	alpha-Terpineol	59	9.720	9.731	(1.008)	173894	24.8865	24.89
98	Retene	219	17.753	17.759	(0.926)	302825	26.6747	26.67
133	Butylatedhydroxytoluene	205	12.700	12.706	(1.016)	453731	24.8832	24.88
115	Tributyl Phosphate	99	13.736	13.763	(0.924)	694262	25.3816	25.38
116	Dibutyl Phenyl Phosphate	175	15.451	15.457	(1.040)	487084	25.8710	25.87
117	Butyl Diphenyl Phosphate	94	17.128	17.134	(0.894)	158542	26.6745	26.67
118	Triphenyl Phosphate	326	18.720	18.731	(0.977)	159074	26.7635	26.76
123	Acetophenone	105	8.299	8.316	(1.094)	420299	27.5683	27.57
179	n-Decane	57	7.445	7.450	(0.981)	271295	27.2026	27.20
180	n-Octadecane	57	14.826	14.832	(0.997)	288829	28.4370	28.44
168	Pentachlorobenzene	250	12.855	12.866	(1.029)	231893	25.9903	25.99
113	Diphenyl Oxide	170	11.776	11.782	(0.942)	374237	17.9170	17.92
112	Biphenyl	154	11.579	11.590	(0.926)	642598	27.7286	27.73
120	2,3,4,6-Tetrachlorophenol	232	13.106	13.112	(1.049)	176844	25.8264	25.83
151	1,2,4,5-Tetrachlorobenzene	216	11.135	11.141	(0.891)	282106	24.4037	24.40
110	Tetrachloroguaiacol	247	14.826	14.842	(0.997)	201384	50.5278	50.53
109	3,4,5-Trichloroguaiacol	213	13.208	13.219	(0.889)	99787	24.6313	24.63
181	3,4,6-Trichloroguaiacol	211	13.320	13.331	(1.755)	118646	25.3490	25.35
108	4,5,6-Trichloroguaiacol	213	14.238	14.250	(1.139)	102183	25.1219	25.12
184	3,4-Dichloroguaiacol	192	11.669	11.675	(1.538)	104314	25.3919	25.39
107	4,5-Dichloroguaiacol	192	12.465	12.476	(0.997)	254884	49.8970	49.90
182	4,6-Dichloroguaiacol	192	12.465	12.476	(1.643)	254884	51.1860	51.19
185	4-Chloroguaiacol	115	10.591	10.596	(1.396)	65963	12.8795	12.88
186	Carbaryl	144	15.686	15.702	(1.055)	383589	26.2646	26.26
106	Guaiacol	124	8.577	8.588	(1.130)	271343	25.4590	25.46

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 07231008.D
Lab Smp Id: ICV0723
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

Calibration Date: 23-JUL-2010
Calibration Time: 15:01
Client Smp ID: ICV0723
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	176582	-3.39
27 Naphthalene-d8	584137	292068	1168274	582262	-0.32
42 Acenaphthene-d10	320442	160221	640884	323945	1.09
59 Phenanthrene-d10	503793	251896	1007586	516976	2.62
69 Chrysene-d12	532343	266172	1064686	544051	2.20
134 Di-n-octylphthala	719428	359714	1438856	731609	1.69
77 Perylene-d12	517269	258634	1034538	522945	1.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.59	7.09	8.09	7.59	-0.04
27 Naphthalene-d8	9.64	9.14	10.14	9.65	0.02
42 Acenaphthene-d10	12.50	12.00	13.00	12.50	-0.02
59 Phenanthrene-d10	14.86	14.36	15.36	14.86	0.01
69 Chrysene-d12	19.16	18.66	19.66	19.16	0.01
134 Di-n-octylphthala	20.35	19.85	20.85	20.35	0.01
77 Perylene-d12	21.31	20.81	21.81	21.30	-0.01

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

Analytical Resources, Inc.

RECOVERY REPORT

Client Name: Client SDG: 20100723
Sample Matrix: NONE Fraction: SV
Lab Smp Id: ICV0723 Client Smp ID: ICV0723
Level: Operator: JZ
Data Type: MS DATA SampleType: LCS
SpikeList File: ICVS.spk Quant Type: ISTD
Sublist File: ICAL.sub
Method File: /chem1/nt6.i/20100723.b/SW846072310.m
Misc Info: 10-

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
3	Phenol	25.00	22.58	90.31	
4	Bis(2-Chloroethyl)	25.00	26.37	105.47	
6	2-Chlorophenol	25.00	22.37	89.47	
7	1,3-Dichlorobenzen	25.00	24.98	99.90	
9	1,4-Dichlorobenzen	25.00	25.18	100.74	
11	Benzyl alcohol	25.00	28.91	115.64	
12	1,2-Dichlorobenzen	25.00	25.08	100.34	
13	2-Methylphenol	25.00	23.21	92.84	
14	2,2'-oxybis(1-Chlo	25.00	26.03	104.12	
15	4-Methylphenol	25.00	23.45	93.82	
16	N-Nitroso-di-n-pro	25.00	26.94	107.77	
17	Hexachloroethane	25.00	25.75	102.98	
19	Nitrobenzene	25.00	25.36	101.42	
20	Isophorone	25.00	27.84	111.37	
21	2-Nitrophenol	25.00	22.52	90.09	
22	2,4-Dimethylphenol	25.00	22.00	88.01	
23	Bis(2-Chloroethoxy	25.00	25.01	100.02	
24	Benzoic acid	50.00	45.99	91.98	
25	2,4-Dichlorophenol	25.00	21.63	86.53	
26	1,2,4-Trichloroben	25.00	25.05	100.19	
28	Naphthalene	25.00	26.01	104.03	
29	4-Chloroaniline	25.00	28.04	112.15	
30	Hexachlorobutadien	25.00	25.18	100.73	
31	4-Chloro-3-methylp	25.00	22.13	88.54	
32	2-Methylnaphthalen	25.00	26.86	107.43	
33	Hexachlorocyclopen	25.00	23.02	92.06	
34	2,4,6-Trichlorophe	25.00	22.09	88.37	
35	2,4,5-Trichlorophe	25.00	22.52	90.09	
37	2-Chloronaphthalen	25.00	24.72	98.88	
38	2-Nitroaniline	25.00	27.80	111.20	
39	Dimethylphthalate	25.00	25.87	103.49	
40	Acenaphthylene	25.00	25.44	101.74	
41	2,6-Dinitrotoluene	25.00	25.13	100.51	

SPIKE	COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
43	3-Nitroaniline	25.00	29.64	118.57	
44	Acenaphthene	25.00	25.75	103.00	
45	2,4-Dinitrophenol	50.00	42.35	84.69	
46	Dibenzofuran	25.00	27.21	108.86	
47	4-Nitrophenol	25.00	23.80	95.20	
48	2,4-Dinitrotoluene	25.00	26.19	104.76	
49	Fluorene	25.00	25.58	102.32	
50	Diethylphthalate	25.00	25.32	101.29	
51	4-Chlorophenyl-phe	25.00	25.07	100.29	
52	4-Nitroaniline	25.00	27.18	108.72	
53	4,6-Dinitro-2-meth	50.00	43.63	87.26	
54	N-Nitrosodiphenyla	25.00	24.16	96.65	
56	4-Bromophenyl-phen	25.00	25.29	101.16	
57	Hexachlorobenzene	25.00	25.05	100.22	
58	Pentachlorophenol	25.00	22.52	90.06	
60	Phenanthrene	25.00	25.47	101.88	
61	Anthracene	25.00	25.44	101.75	
62	Carbazole	25.00	24.62	98.47	
63	Di-n-butylphthalat	25.00	26.10	104.41	
64	Fluoranthene	25.00	26.57	106.27	
65	Pyrene	25.00	27.33	109.32	
67	Butylbenzylphthala	25.00	28.14	112.58	
68	Benzo(a)anthracene	25.00	27.14	108.55	
70	3,3'-Dichlorobenzi	25.00	29.02	116.08	
71	Chrysene	25.00	26.76	107.05	
72	bis(2-Ethylhexyl)p	25.00	26.15	104.62	
73	Di-n-octylphthalat	25.00	24.80	99.19	
74	Benzo(b)fluoranthe	25.00	26.83	107.32	
75	Benzo(k)fluoranthe	25.00	24.89	99.57	
76	Benzo(a)pyrene	25.00	24.31	97.25	
78	Indeno(1,2,3-cd)py	25.00	26.40	105.62	
79	Dibenzo(a,h)anthra	25.00	26.30	105.18	
80	Benzo(g,h,i)peryle	25.00	25.55	102.22	
90	N-Nitrosodimethyla	25.00	26.69	106.76	
91	Aniline	25.00	29.55	118.18	
93	Benzidine	25.00	31.60	126.38	
103	Pyridine	25.00	28.42	113.66	
105	1-methylnaphthalen	25.00	24.94	99.77	
120	2,3,4,6-Tetrachlor	25.00	25.83	103.31	
151	1,2,4,5-Tetrachlor	25.00	24.40	97.61	
143	1,4-Dioxane	25.00	26.75	106.99	
110	Tetrachloroguaiaco	50.00	50.53	101.06	
109	3,4,5-Trichlorogua	25.00	24.63	98.53	
181	3,4,6-Trichlorogua	25.00	25.35	101.40	
108	4,5,6-Trichlorogua	25.00	25.12	100.49	
184	3,4-Dichloroguaiac	25.00	25.39	101.57	
107	4,5-Dichloroguaiac	50.00	49.90	99.79	

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
182 4,6-Dichloroguaiac	50.00	51.19	102.37	
185 4-Chloroguaiacol	12.50	12.88	103.04	
106 Guaiacol	25.00	25.46	101.84	

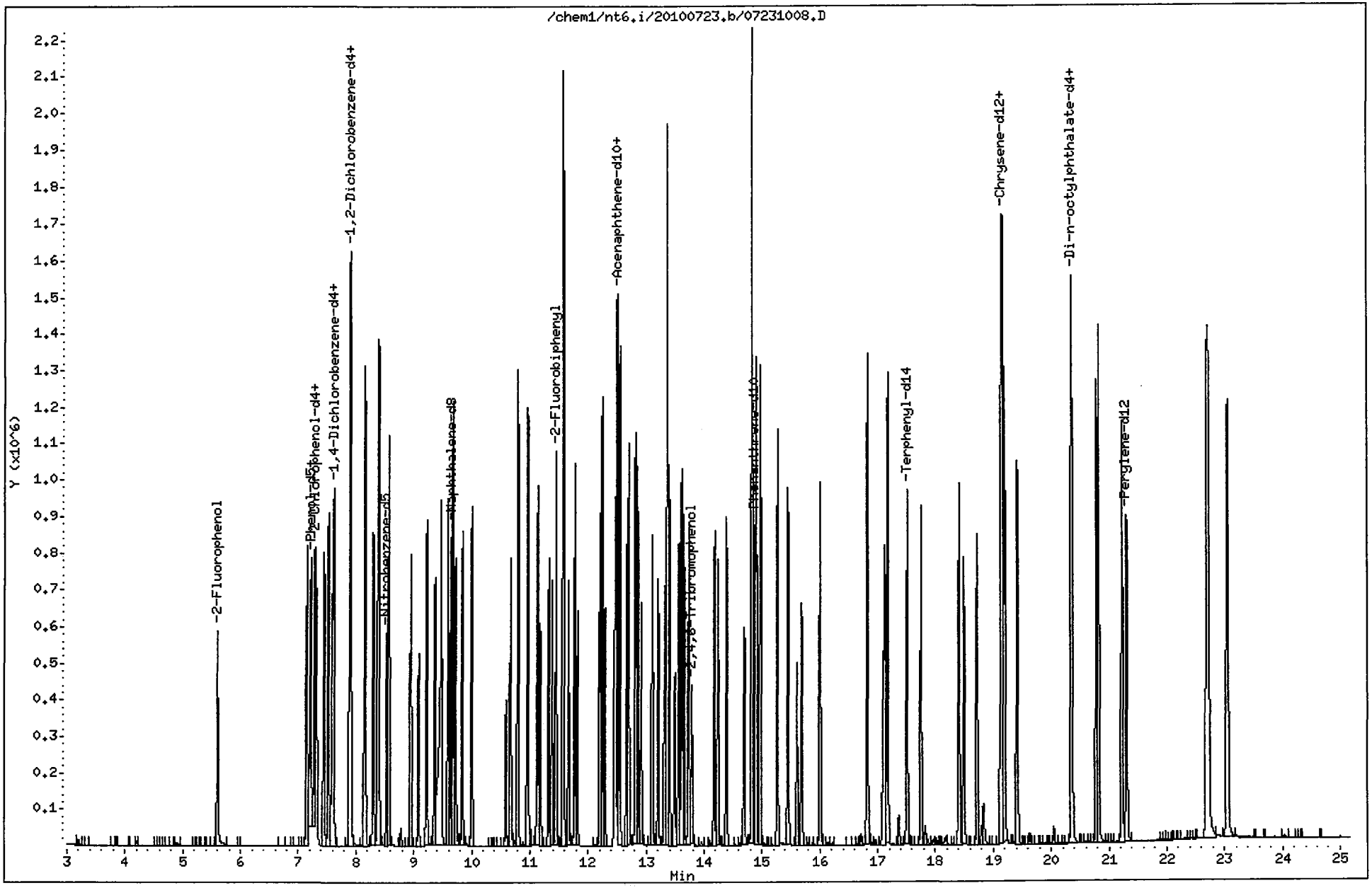
SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
$ 1 2-Fluorophenol	25.00	25.75	103.02	
$ 2 Phenol-d5	25.00	24.76	99.03	
$ 5 2-Chlorophenol-d4	25.00	24.62	98.47	
$ 10 1,2-Dichlorobenzen	25.00	24.91	99.66	
$ 18 Nitrobenzene-d5	25.00	24.29	97.15	
$ 36 2-Fluorobiphenyl	25.00	24.09	96.38	
$ 55 2,4,6-Tribromophen	25.00	25.62	102.46	
$ 66 Terphenyl-d14	25.00	26.06	104.23	
$ 137 d8-1,4-Dioxane	25.00	24.98	99.93	

Data File: /chem1/nt6.i/20100723.b/07231008.D
Date : 23-JUL-2010 20:17
Client ID: ICV0723
Sample Info: ICV0723,

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



Semivolatile PAH Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG58

Analytical Resources Inc.: Organics Instrument Log

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

Date: 8/13/10 Analysis: 8270 Analyst: DB

GC Program: RB/MA Column No: 172127 Column Type: ZB-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1429

Calibration File: 0813001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	
	1735-1, 1736-1	
	1.50 19 1753-5	
	1756-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

	Time	Filename	LabID	ClientId	DF											
1	1124	08131001.D	CC0813	CC0813	1	7.19	166565	9.25	550174	12.09	321882	14.44	505369	18.72	591540	20.85	590209	19.94	731396
2	1157	08131002.D	RG60D	PSB13-4-6-07	1	9.24	646607	12.09	380788	14.44	616103	18.71	683741	20.85	676003				
3	1230	08131003.D	RG60E	PSB13-11-13-	1	9.24	655374	12.08	389020	14.43	630919	18.71	730490	20.85	755660				
4	1303	08131004.D	RG60F	PSB13-14.5-1	1	9.24	657063	12.09	382063	14.43	634253	18.71	767749	20.86	788938				
5	1336	08131005.D	RG58MBS1	RG58MBS1	1	9.24	643814	12.09	381227	14.43	617258	18.71	707196	20.85	696194				
6	1409	08131006.D	RG54H	PSB17-0-0.5-	1	9.24	626035	12.09	374024	14.44	619985	18.73	848355	20.89	705991				
7	1442	08131007.D	RG60C	PSB13-2-4-07	1	9.25	667186	12.09	410669	14.44	703145	18.76	724927	20.94	307927				
8	1515	08131008.D	RG54A 3X	PSB14-0-.5-0	3	9.25	634205	12.09	383288	14.44	653216	18.73	751746	20.87	415422				
9	1548	08131009.D	RG54E 3X	PSB14-7-9-07	3	9.25	618067	12.09	371040	14.44	617674	18.73	707331	20.86	404040				
10	1621	08131010.D	RG60A 3X	PSB13-0-0.5-	3	9.25	612885	12.09	372945	14.44	640690	18.72	722156	20.86	422464				
11	1654	08131011.D	RG60B 3X	PSB13-1.5-2-	3	9.25	619334	12.09	378009	14.44	661220	18.72	750762	20.86	423011				
12	1727	08131012.D	RG60C 3X	PSB13-2-4-07	3	9.25	625132	12.09	383283	14.44	658106	18.74	754752	20.90	343400				
13	1800	08131013.D	RG54A 10X	PSB14-0-.5-0	10	9.25	576090	12.09	346489	14.44	610403	18.73	719037	20.86	429847				
14	1832	08131014.D	RG60A 10X	PSB13-0-0.5-	10	9.25	603510	12.09	368541	14.44	648774	18.73	759155	20.86	432318				
15	1905	08131015.D	RG60B 10X	PSB13-1.5-2-	10	9.25	596271	12.09	356001	14.44	632152	18.72	746182	20.86	406950				
16	1938	08131016.D	RG58LCSS1	RG58LCSS1	1	9.25	644270	12.09	383454	14.44	683157	18.73	756612	20.86	350289				
17	2011	08131017.D	RG58A	PSB22-0-0.5-	1	9.25	638478	12.09	383943	14.44	661888	18.72	755662	20.86	342124				
18	2044	08131018.D	RG58B	PSB22-1.5-2-	1	9.25	656447	12.09	398652	14.44	689410	18.72	788440	20.86	345872				
19	2116	08131019.D	RG58C	PSB22-2-4-07	1	9.24	637885	12.09	387188	14.44	668956	18.72	779291	20.86	339241				
20	2149	08131020.D	RG58D	PSB22-4-6-07	1	9.24	597978	12.09	360487	14.44	627772	18.72	730678	20.86	323824				
21	2222	08131021.D	RG58E	PSB22-17-19-	1	9.25	642738	12.09	386938	14.44	671130	18.72	790351	20.86	351433				
22	2255	08131022.D	RG58F	PSB22-19-20-	1	9.25	648070	12.09	387488	14.44	662734	18.72	789619	20.85	391639				

Less out of RC
Re-run.

DB 08/16/10

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, Incorporated
Analytical Chemists and Consultants

GC/MS SVOA Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: Floyd / Snider

ARI SOP: **801S**(SIM-PNA) **802S**(Butyl Tins) **804S**(SVOA-8270D) **805S**(op-Pest)

Parameter(s): 8270

Instrument: NT-2 NT-4 NT-6 NT-8 NT11

Curve Date: 7/23/10 Analysis Start Date: 8/13 ; 8/14 ; 8/17/10

DFTPP Tune Meets Criteria?	YES / NO	Internal Standard Meets Criteria?	YES / NO
DDT Breakdown <20%?	YES / NO / NA	Method Blank In Control?	YES / NO
Peak Tailing Factor ≤2?	YES / NO / NA	LCS / LCSD Recovery In Control?	YES / NO
ICal acceptable?	YES / NO	CCal acceptable?	YES / NO
Q flag applied?	YES / NO	Q flag applied?	YES / NO
Surrogate Recovery in Control?	YES / NO	Special Analysis Criteria Met?	YES / NO / NA
Manual Integrations for ICal?	YES / NO	Manual Integrations for Samples?	Yes / NO

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

8/13: Samples A-F + MB/LCS

8/14: Samples G-H & J-S + MS/MSD

8/17: Sample I

Forms included.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 08/18/10

Reviewer: _____ **Date:** 8/18/10

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

ARI Job No.: CC08 Method: SW846072310.m Instrument: nt6.i Date: 13-AUG-2010

R 08/14/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1124	08131001.D	CC0813	CC0813	1	NO MANUAL INTEGRATION
1336	08131005.D	RG58MBS1	RG58MBS1	1	NO MANUAL INTEGRATION
1938	08131016.D	RG58LCSS1	RG58LCSS1	1	NO MANUAL INTEGRATION
2011	08131017.D	RG58A	PSB22-0-0.	1	NO MANUAL INTEGRATION
2044	08131018.D	RG58B	PSB22-1.5-	1	NO MANUAL INTEGRATION
2116	08131019.D	RG58C	PSB22-2-4-	1	NO MANUAL INTEGRATION
2149	08131020.D	RG58D	PSB22-4-6-	1	NO MANUAL INTEGRATION
2222	08131021.D	RG58E	PSB22-17-1	1	NO MANUAL INTEGRATION
2255	08131022.D	RG58F	PSB22-19-2	1	NO MANUAL INTEGRATION

RG58: 90583

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt6.i/20100813.b

Instrument: nt6.i Date: 13-AUG-2010 Method: SW846072310.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

AZ 08/13/10

CONTINUING CAL: 13-AUG-2010

Compound	%D
2,4-Dinitrophenol	-26.8
4-Nitrophenol	-26.6

, NTC.

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08131001.D
Analysis Type:
Lab Sample ID: CC0813
Method: /chem1/nt6.i/20100813.b/SW846072310.m

Injection Date: 13-AUG-2010 11:24
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

AZ 08/13/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.32873	1.34458	1.34458	0.010	1.19310	20.00000	Averaged
$ 2 Phenol-d5	1.53477	1.55860	1.55860	0.010	1.55237	20.00000	Averaged
3 Phenol	1.70453	1.80401	1.80401	0.010	5.83646	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.29631	1.27010	1.27010	0.010	-2.02206	20.00000	Averaged
4 Bis(2-Chloroethyl)ether	1.30667	1.30339	1.30339	0.010	-0.25134	20.00000	Averaged
6 2-Chlorophenol	1.47378	1.48205	1.48205	0.010	0.56126	20.00000	Averaged
7 1,3-Dichlorobenzene	1.71678	1.70853	1.70853	0.010	-0.48080	20.00000	Averaged
9 1,4-Dichlorobenzene	1.68189	1.69904	1.69904	0.010	1.01956	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89939	0.92351	0.92351	0.010	2.68139	20.00000	Averaged
12 1,2-Dichlorobenzene	1.56400	1.59078	1.59078	0.010	1.71236	20.00000	Averaged
11 Benzyl alcohol	0.80695	0.83642	0.83642	0.010	3.65175	20.00000	Averaged
14 2,2'-oxybis(1-Chloropropane	1.39331	1.55113	1.55113	0.010	11.32631	20.00000	Averaged
13 2-Methylphenol	1.27111	1.31008	1.31008	0.010	3.06598	20.00000	Averaged
17 Hexachloroethane	0.60757	0.62309	0.62309	0.010	2.55437	20.00000	Averaged
16 N-Nitroso-di-n-propylamine	0.88368	0.91051	0.91051	0.005	3.03576	20.00000	Averaged
15 4-Methylphenol	1.25486	1.35860	1.35860	0.010	8.26718	20.00000	Averaged
$ 18 Nitrobenzene-d5	0.38855	0.37825	0.37825	0.010	-2.65064	20.00000	Averaged
19 Nitrobenzene	0.43075	0.42662	0.42662	0.010	-0.96081	20.00000	Averaged
20 Isophorone	0.68600	0.69689	0.69689	0.010	1.58749	20.00000	Averaged
21 2-Nitrophenol	0.25274	0.26907	0.26907	0.010	6.46006	20.00000	Averaged
22 2,4-Dimethylphenol	0.41587	0.42090	0.42090	0.010	1.21013	20.00000	Averaged
23 Bis(2-Chloroethoxy)methane	0.47536	0.48384	0.48384	0.010	1.78527	20.00000	Averaged
24 Benzoic acid	0.30742	0.27350	0.27350	0.010	-11.03243	20.00000	Averaged
25 2,4-Dichlorophenol	0.36413	0.38798	0.38798	0.010	6.55104	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.39778	0.40084	0.40084	0.010	0.77091	20.00000	Averaged
28 Naphthalene	1.13038	1.14856	1.14856	0.010	1.60811	20.00000	Averaged
29 4-Chloroaniline	0.45282	0.44052	0.44052	0.010	-2.71708	20.00000	Averaged
30 Hexachlorobutadiene	0.23198	0.23713	0.23713	0.010	2.22215	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.35105	0.36850	0.36850	0.010	4.97178	20.00000	Averaged
32 2-Methylnaphthalene	0.62036	0.63048	0.63048	0.010	1.63209	20.00000	Averaged
33 Hexachlorocyclopentadiene	21.46967	25.00000	0.35710	0.010	-14.12134	20.00000	Linear
34 2,4,6-Trichlorophenol	0.45790	0.49130	0.49130	0.010	7.29499	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47246	0.49247	0.49247	0.010	4.23512	20.00000	Averaged
$ 36 2-Fluorobiphenyl	1.40011	1.35100	1.35100	0.010	-3.50766	20.00000	Averaged
37 2-Chloronaphthalene	1.32938	1.32211	1.32211	0.010	-0.54704	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 13-AUG-2010 11:24
Lab File ID: 08131001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0813 Quant Type: ISTD
Method: /chem1/nt6.i/20100813.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.33095	0.32537	0.32537	0.010	-1.68534	20.00000	Averaged	
39 Dimethylphthalate	1.50119	1.45492	1.45492	0.010	-3.08228	20.00000	Averaged	
40 Acenaphthylene	2.05833	2.07518	2.07518	0.010	0.81838	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.35670	0.36362	0.36362	0.010	1.94193	20.00000	Averaged	
43 3-Nitroaniline	0.31209	0.29059	0.29059	0.010	-6.88889	20.00000	Averaged	
44 Acenaphthene	1.28541	1.26024	1.26024	0.010	-1.95849	20.00000	Averaged	
45 2,4-Dinitrophenol	36.61379	50.00000	0.21464	0.010	-26.77242	20.00000	Linear	<-
46 Dibenzofuran	1.70738	1.72699	1.72699	0.010	1.14812	20.00000	Averaged	
47 4-Nitrophenol	0.18552	0.13619	0.13619	0.010	-26.59188	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.45944	0.47660	0.47660	0.010	3.73407	20.00000	Averaged	
50 Diethylphthalate	1.39533	1.28496	1.28496	0.010	-7.91011	20.00000	Averaged	
49 Fluorene	1.45467	1.47127	1.47127	0.010	1.14142	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.71936	0.72650	0.72650	0.010	0.99224	20.00000	Averaged	
52 4-Nitroaniline	0.34745	0.29874	0.29874	0.010	-14.01948	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.19806	0.19762	0.19762	0.010	-0.22147	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.68493	0.67944	0.67944	0.010	-0.80135	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.18223	0.21148	0.21148	0.010	16.05086	20.00000	Averaged	
56 4-Bromophenyl-phenylether	0.29331	0.32118	0.32118	0.010	9.50451	20.00000	Averaged	
57 Hexachlorobenzene	0.30899	0.34361	0.34361	0.010	11.20643	20.00000	Averaged	
58 Pentachlorophenol	0.18262	0.17340	0.17340	0.010	-5.04645	20.00000	Averaged	
60 Phenanthrene	1.24231	1.26762	1.26762	0.010	2.03743	20.00000	Averaged	
61 Anthracene	1.28336	1.33594	1.33594	0.010	4.09746	20.00000	Averaged	
62 Carbazole	1.19107	1.08535	1.08535	0.010	-8.87587	20.00000	Averaged	
63 Di-n-butylphthalate	1.45976	1.51245	1.51245	0.010	3.60984	20.00000	Averaged	
64 Fluoranthene	1.34612	1.47390	1.47390	0.010	9.49243	20.00000	Averaged	
65 Pyrene	1.20453	1.23158	1.23158	0.010	2.24538	20.00000	Averaged	
$ 66 Terphenyl-d14	0.70850	0.75847	0.75847	0.010	7.05295	20.00000	Averaged	
67 Butylbenzylphthalate	0.58237	0.59950	0.59950	0.010	2.94146	20.00000	Averaged	
68 Benzo(a)anthracene	1.15615	1.24341	1.24341	0.010	7.54732	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37517	0.41254	0.41254	0.010	9.95866	20.00000	Averaged	
71 Chrysene	1.08220	1.13248	1.13248	0.010	4.64623	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.63407	0.66092	0.66092	0.010	4.23573	20.00000	Averaged	
73 Di-n-octylphthalate	1.08410	1.08983	1.08983	0.010	0.52851	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.33887	1.30450	1.30450	0.010	-2.56759	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.38193	1.42502	1.42502	0.010	3.11814	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 13-AUG-2010 11:24
Lab File ID: 08131001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0813 Quant Type: ISTD
Method: /chem1/nt6.i/20100813.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.28781	1.28100	1.28100	0.010	-0.52902	20.00000	Averaged
76 Benzo(a)pyrene	1.26119	1.26373	1.26373	0.010	0.20179	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.68718	1.65940	1.65940	0.010	-1.64688	20.00000	Averaged
79 Dibenzo(a,h)anthracene	1.29650	1.31145	1.31145	0.010	1.15252	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.52194	1.47935	1.47935	0.010	-2.79855	20.00000	Averaged
90 N-Nitrosodimethylamine	0.86213	0.87274	0.87274	0.010	1.23023	20.00000	Averaged
103 Pyridine	1.54116	1.58906	1.58906	0.010	3.10793	20.00000	Averaged
91 Aniline	1.95218	1.92174	1.92174	0.010	-1.55968	20.00000	Averaged
105 1-methylnaphthalene	0.64079	0.65635	0.65635	0.010	2.42851	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131001.D
Lab Smp Id: CC0813 Client Smp ID: CC0813
Inj Date : 13-AUG-2010 11:24
Operator : JZ Inst ID: nt6.i
Smp Info : CC0813
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:21 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

AD 08/13/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.183	5.183	(0.721)	279951	25.0000	25.30
$	2 Phenol-d5	99	6.855	6.855	(0.953)	324510	25.0000	25.39
	3 Phenol	94	6.871	6.871	(0.955)	375607	25.0000	26.46
$	5 2-Chlorophenol-d4	132	6.898	6.898	(0.959)	264442	25.0000	24.49
	4 Bis(2-Chloroethyl)ether	93	6.892	6.892	(0.958)	271374	25.0000	24.94
	6 2-Chlorophenol	128	6.924	6.924	(0.963)	308573	25.0000	25.14
	7 1,3-Dichlorobenzene	146	7.122	7.122	(0.990)	355727	25.0000	24.88
*	8 1,4-Dichlorobenzene-d4	152	7.191	7.191	(1.000)	166565	20.0000	
	9 1,4-Dichlorobenzene	146	7.213	7.213	(1.003)	353751	25.0000	25.25
$	10 1,2-Dichlorobenzene-d4	152	7.490	7.490	(1.042)	192280	25.0000	25.67
	12 1,2-Dichlorobenzene	146	7.507	7.507	(1.044)	331212	25.0000	25.43
	11 Benzyl alcohol	108	7.517	7.517	(1.045)	174147	25.0000	25.91
	14 2,2'-oxybis(1-Chloropropane)	45	7.774	7.774	(1.081)	322955	25.0000	27.83
	13 2-Methylphenol	108	7.800	7.800	(1.085)	272767	25.0000	25.77
	17 Hexachloroethane	117	7.998	7.998	(1.112)	129731	25.0000	25.64
	16 N-Nitroso-di-n-propylamine	70	7.998	7.998	(1.112)	189573	25.0000	25.76
	15 4-Methylphenol	108	8.041	8.041	(1.118)	282870	25.0000	27.07
$	18 Nitrobenzene-d5	82	8.142	8.142	(0.880)	260131	25.0000	24.34
	19 Nitrobenzene	77	8.169	8.169	(0.883)	293391	25.0000	24.76
	20 Isophorone	82	8.559	8.559	(0.925)	479266	25.0000	25.40
	21 2-Nitrophenol	139	8.692	8.692	(0.940)	185042	25.0000	26.62
	22 2,4-Dimethylphenol	107	8.863	8.863	(0.958)	289460	25.0000	25.30
	23 Bis(2-Chloroethoxy)methane	93	8.986	8.986	(0.972)	332746	25.0000	25.45
	24 Benzoic acid	105	9.157	9.157	(0.990)	376181	50.0000	44.48
	25 2,4-Dichlorophenol	162	9.098	9.098	(0.984)	266823	25.0000	26.64
	26 1,2,4-Trichlorobenzene	180	9.200	9.200	(0.995)	275667	25.0000	25.19
*	27 Naphthalene-d8	136	9.248	9.248	(1.000)	550174	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	9.274	9.274	(1.003)	789884	25.0000	25.40
	29 4-Chloroaniline	127	9.456	9.456	(1.023)	302952	25.0000	24.32
	30 Hexachlorobutadiene	225	9.611	9.611	(1.039)	163081	25.0000	25.56
	31 4-Chloro-3-methylphenol	107	10.316	10.316	(1.115)	253427	25.0000	26.24
	32 2-Methylnaphthalene	141	10.401	10.401	(1.125)	433593	25.0000	25.41
	33 Hexachlorocyclopentadiene	237	10.781	10.781	(0.892)	143681	25.0000	21.47
	34 2,4,6-Trichlorophenol	196	10.935	10.935	(0.905)	197676	25.0000	26.82
	35 2,4,5-Trichlorophenol	196	11.000	11.000	(0.910)	198147	25.0000	26.06
$	36 2-Fluorobiphenyl	172	11.058	11.058	(0.915)	543578	25.0000	24.12
	37 2-Chloronaphthalene	162	11.170	11.170	(0.924)	531952	25.0000	24.86
	38 2-Nitroaniline	65	11.432	11.432	(0.946)	130914	25.0000	24.58
	39 Dimethylphthalate	163	11.817	11.817	(0.977)	585390	25.0000	24.23
	40 Acenaphthylene	152	11.838	11.838	(0.979)	834954	25.0000	25.20
	41 2,6-Dinitrotoluene	165	11.902	11.902	(0.985)	146305	25.0000	25.49
*	42 Acenaphthene-d10	164	12.089	12.089	(1.000)	321882	20.0000	
	43 3-Nitroaniline	138	12.111	12.111	(1.002)	116919	25.0000	23.28
	44 Acenaphthene	153	12.137	12.137	(1.004)	507059	25.0000	24.51
	45 2,4-Dinitrophenol	184	12.281	12.281	(1.016)	172721	50.0000	36.61
	46 Dibenzofuran	168	12.404	12.404	(1.026)	694858	25.0000	25.29
	47 4-Nitrophenol	109	12.484	12.484	(1.033)	54794	25.0000	18.35
	48 2,4-Dinitrotoluene	165	12.522	12.522	(1.036)	191761	25.0000	25.93
	50 Diethylphthalate	149	12.970	12.970	(1.073)	517007	25.0000	23.02
	49 Fluorene	166	12.954	12.954	(1.072)	591971	25.0000	25.29
	51 4-Chlorophenyl-phenylether	204	12.997	12.997	(1.075)	292309	25.0000	25.25
	52 4-Nitroaniline	138	13.099	13.099	(1.083)	120197	25.0000	21.50
	53 4,6-Dinitro-2-methylphenol	198	13.173	13.173	(0.912)	249680	50.0000	49.89
	54 N-Nitrosodiphenylamine	169	13.216	13.216	(0.915)	429208	25.0000	24.80
$	55 2,4,6-Tribromophenol	330	13.382	13.382	(1.107)	85090	25.0000	29.01
	56 4-Bromophenyl-phenylether	248	13.766	13.766	(0.953)	202895	25.0000	27.38
	57 Hexachlorobenzene	284	13.969	13.969	(0.967)	217064	25.0000	27.80
	58 Pentachlorophenol	266	14.284	14.284	(0.989)	109541	25.0000	23.74
*	59 Phenanthrene-d10	188	14.439	14.439	(1.000)	505369	20.0000	
	60 Phenanthrene	178	14.477	14.477	(1.003)	800773	25.0000	25.51
	61 Anthracene	178	14.546	14.546	(1.007)	843930	25.0000	26.02
	62 Carbazole	167	14.856	14.856	(1.029)	685630	25.0000	22.78
	63 Di-n-butylphthalate	149	15.604	15.604	(1.081)	955435	25.0000	25.90
	64 Fluoranthene	202	16.394	16.394	(1.135)	931083	25.0000	27.37
	65 Pyrene	202	16.736	16.736	(0.894)	910663	25.0000	25.56
$	66 Terphenyl-d14	244	17.088	17.088	(0.913)	560835	25.0000	26.76
	67 Butylbenzylphthalate	149	17.996	17.996	(0.961)	443285	25.0000	25.74
	68 Benzo(a)anthracene	228	18.691	18.691	(0.999)	919410	25.0000	26.89
*	69 Chrysene-d12	240	18.717	18.717	(1.000)	591540	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.733	18.733	(1.001)	305040	25.0000	27.49
	71 Chrysene	228	18.755	18.755	(1.002)	837389	25.0000	26.16
	72 bis(2-Ethylhexyl)phthalate	149	19.006	19.006	(0.953)	604246	25.0000	26.06
*	134 Di-n-octylphthalate-d4	153	19.935	19.935	(1.000)	731396	20.0000	
	73 Di-n-octylphthalate	149	19.946	19.946	(1.001)	996375	25.0000	25.13

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	20.336	20.336	(0.975)	962409	25.0000	24.36
75 Benzo(k)fluoranthene	252	20.368	20.368	(0.977)	1051326	25.0000	25.78
187 Total Benzofluoranthenes	252	20.368	20.368	(0.977)	1890144	50.0000	49.74
76 Benzo(a)pyrene	252	20.768	20.768	(0.996)	932332	25.0000	25.05
* 77 Perylene-d12	264	20.849	20.849	(1.000)	590209	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.205	22.205	(1.065)	1224241	25.0000	24.59
79 Dibenzo(a,h)anthracene	278	22.227	22.227	(1.066)	967535	25.0000	25.29
80 Benzo(g,h,i)perylene	276	22.510	22.510	(1.080)	1091410	25.0000	24.30
90 N-Nitrosodimethylamine	74	2.278	2.278	(0.317)	181709	25.0000	25.31
103 Pyridine	79	2.246	2.246	(0.312)	330853	25.0000	25.78
91 Aniline	93	6.753	6.753	(0.939)	400118	25.0000	24.61
105 1-methylnaphthalene	141	10.567	10.567	(1.143)	451381	25.0000	25.61

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131001.D
Lab Smp Id: CC0813
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: CC0813
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	166565	-8.87
27 Naphthalene-d8	584137	292068	1168274	550174	-5.81
42 Acenaphthene-d10	320442	160221	640884	321882	0.45
59 Phenanthrene-d10	503793	251896	1007586	505369	0.31
69 Chrysene-d12	532343	266172	1064686	591540	11.12
134 Di-n-octylphthala	719428	359714	1438856	731396	1.66
77 Perylene-d12	517269	258634	1034538	590209	14.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.19	6.69	7.69	7.19	0.00
27 Naphthalene-d8	9.25	8.75	9.75	9.25	0.00
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.00
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.00
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.00
134 Di-n-octylphthala	19.94	19.44	20.44	19.94	0.00
77 Perylene-d12	20.85	20.35	21.35	20.85	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.

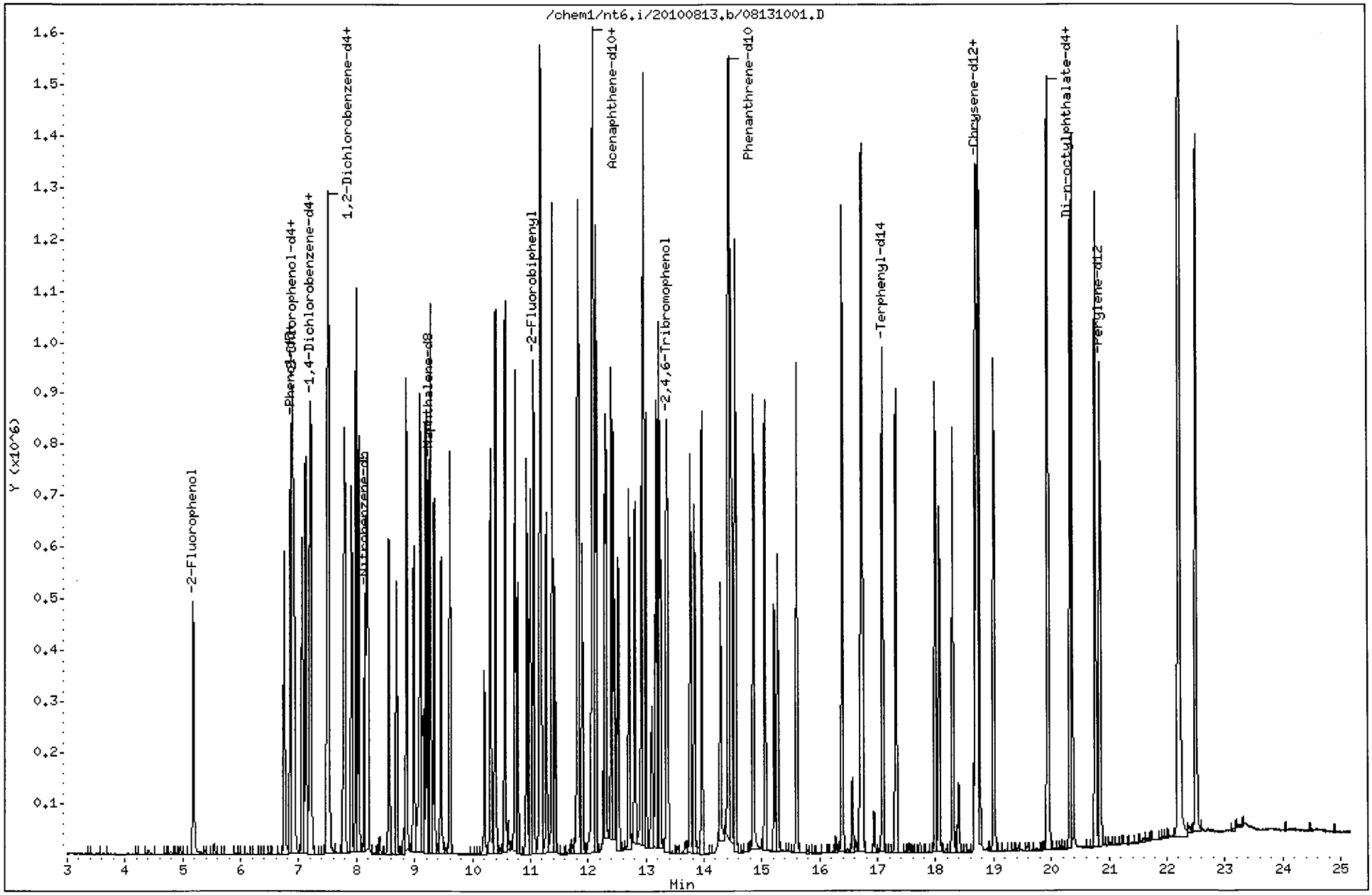
Data File: /chem1/nt6.i/20100813.b/08131001.D
Date : 13-AUG-2010 11:24
Client ID: CC0813
Sample Info: CC0813

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi

RG58:006692



Data File: /chem1/nt6.i/20100813.b/tune.b/08131001.D

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813

Instrument: nt6.i

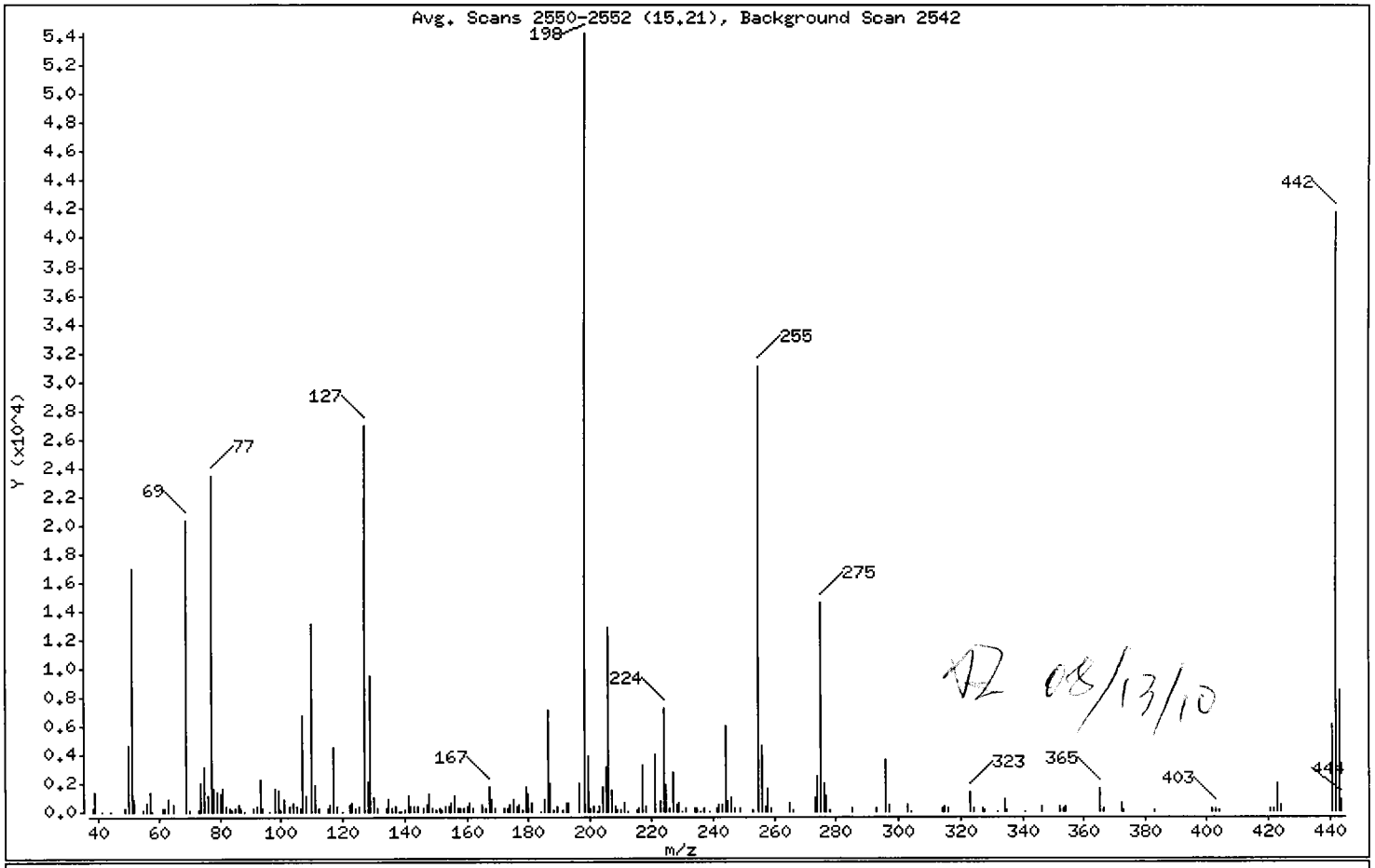
Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	31.28
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	37.58
70	Less than 2.00% of mass 69	0.34 (0.91)
127	10.00 - 80.00% of mass 198	49.59
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 60.00% of mass 198	26.85
365	Greater than 1.00% of mass 198	2.89
441	0.01 - 24.00% of mass 442	11.21 (14.54)
442	50.00 - 200.00% of mass 198	77.11
443	15.00 - 24.00% of mass 442	15.56 (20.18)

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813 Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08131001.D
Spectrum: Avg. Scans 2550-2552 (15.21), Background Scan 2542
Location of Maximum: 198.00
Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	237	117.00	4445	181.00	655	255.00	31088
39.00	1357	118.00	321	184.00	50	256.00	4615
41.00	9	120.00	52	185.00	815	257.00	386
44.00	6	122.00	493	186.00	7116	258.00	1636
49.00	199	123.00	585	187.00	2036	259.00	244
50.00	4578	124.00	290	188.00	160	265.00	659
51.00	16984	125.00	355	189.00	367	266.00	177
52.00	877	127.00	26920	191.00	120	273.00	1043
55.00	78	128.00	2106	192.00	670	274.00	2537
56.00	578	129.00	9511	193.00	636	275.00	14577
57.00	1344	130.00	943	196.00	1940	276.00	2010
58.00	50	131.00	205	198.00	54288	277.00	1084
61.00	252	134.00	295	199.00	3830	278.00	180
62.00	294	135.00	815	200.00	281	285.00	198
63.00	864	136.00	275	201.00	316	293.00	298
65.00	486	137.00	435	202.00	61	296.00	3659
69.00	20400	138.00	52	203.00	376	297.00	462
70.00	185	139.00	25	204.00	1744	303.00	496
73.00	168	140.00	90	205.00	3070	304.00	56
74.00	1986	141.00	1155	206.00	12875	314.00	202
75.00	3165	142.00	389	207.00	1536	315.00	373
76.00	1107	143.00	315	208.00	377	316.00	264
77.00	23448	144.00	353	209.00	108	323.00	1311
78.00	1668	146.00	189	210.00	139	324.00	233
79.00	1398	147.00	545	211.00	586	327.00	258
80.00	1202	148.00	1288	212.00	60	328.00	112
81.00	1668	149.00	273	215.00	111	332.00	50
82.00	435	150.00	71	216.00	258	334.00	899
83.00	259	151.00	197	217.00	3273	335.00	182
84.00	151	152.00	120	218.00	424	341.00	59
85.00	275	153.00	424	221.00	3966	346.00	316
86.00	540	154.00	360	223.00	794	352.00	332
87.00	267	155.00	621	224.00	7294	353.00	308
88.00	50	156.00	1094	225.00	1835	354.00	411
91.00	305	157.00	264	226.00	249	365.00	1571

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813 Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08131001.D
Spectrum: Avg. Scans 2550-2552 (15.21), Background Scan 2542
Location of Maximum: 198.00
Number of points: 212

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	367	158.00	214	227.00	2800	366.00	235
93.00	2295	159.00	197	228.00	502	372.00	667
94.00	201	160.00	376	229.00	591	373.00	137
96.00	56	161.00	575	230.00	50	383.00	121
98.00	1599	162.00	221	231.00	306	402.00	241
99.00	1474	165.00	463	234.00	194	403.00	305
100.00	117	166.00	302	235.00	228	404.00	113
101.00	929	167.00	1750	236.00	53	421.00	287
103.00	315	168.00	860	237.00	287	422.00	253
104.00	608	169.00	248	239.00	56	423.00	1964
105.00	363	172.00	212	241.00	216	424.00	475
106.00	245	173.00	249	242.00	460	441.00	6086
107.00	6783	174.00	460	243.00	484	442.00	41864
108.00	1140	175.00	902	244.00	6015	443.00	8448
110.00	13050	176.00	339	245.00	791	444.00	843
111.00	1903	177.00	441	246.00	1052		
112.00	272	178.00	148	247.00	262		
115.00	197	179.00	1797	249.00	236		
116.00	492	180.00	1222	253.00	108		

Data File: /chem1/nt6.i/20100813.b/tune.b/08131001.D

Date : 13-AUG-2010 11:24

Client ID: DFTPP0813

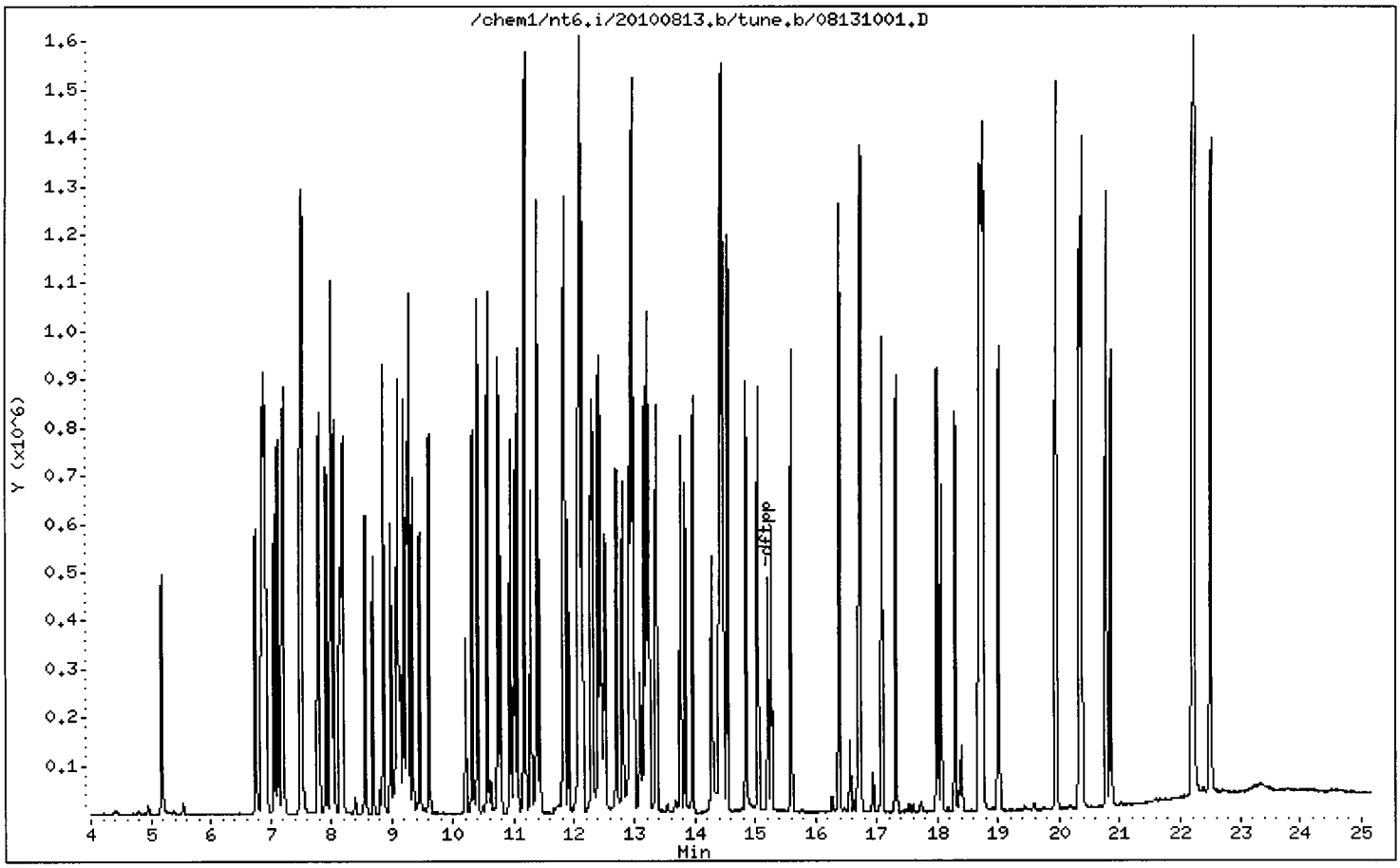
Instrument: nt6.i

Sample Info: DFTPP0813

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



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

Data file: /chem1/nt6.i/20100813.b/ddt.b/08131001.D ARI ID: CC0813
Method: /chem1/nt6.i/20100813.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 13-AUG-2010 11:24 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.284	109541
Benzidine	16.682	61901
4,4'-DDE	----	----
4,4'-DDD	17.596	6052
4,4'-DDT	18.060	253360

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

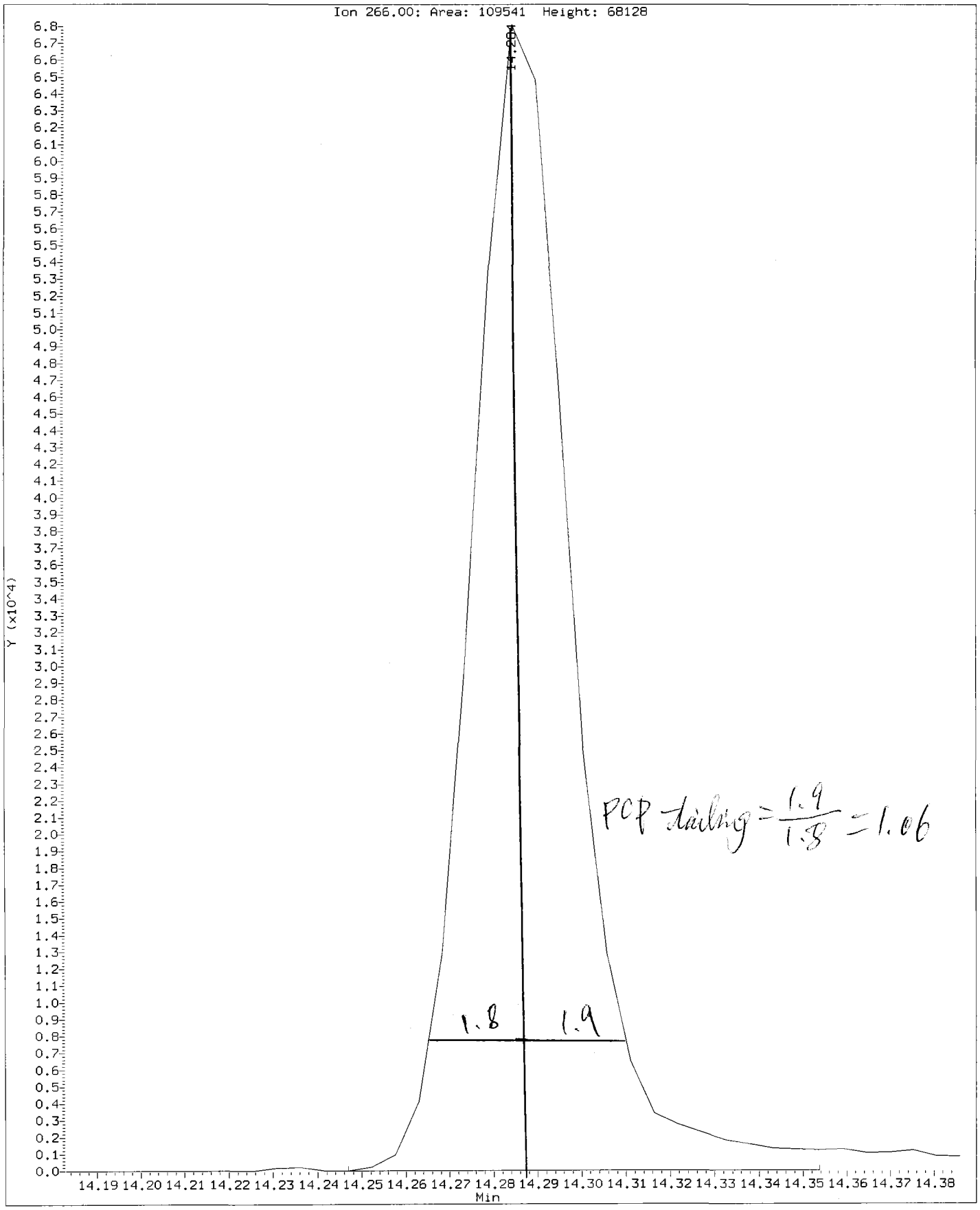
$$\text{DDT Percent Breakdown} = \frac{(0 + 6052) * 100}{(0 + 6052 + 253360)}$$

DDT Percent Breakdown = 2.3 %

08/13/10

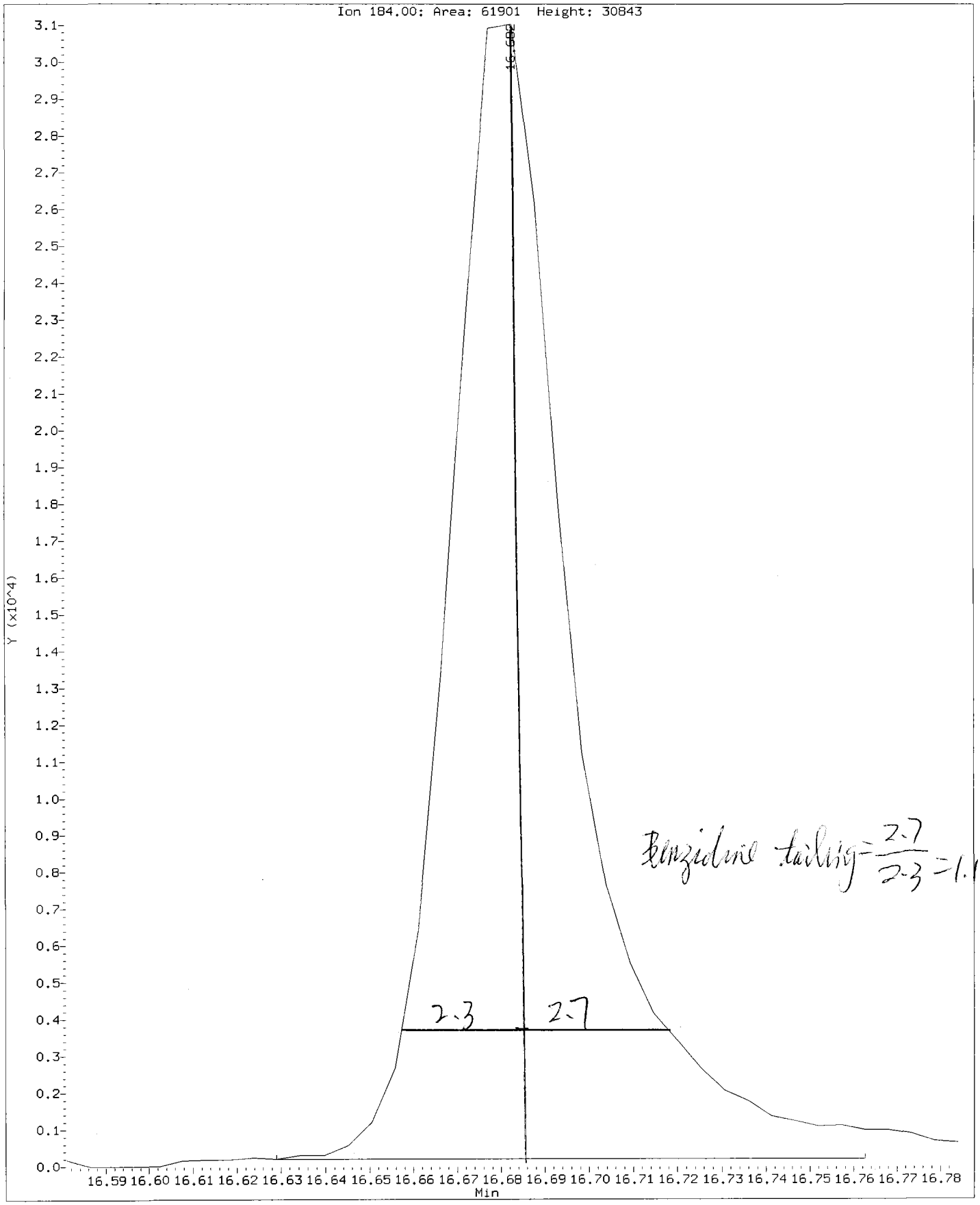
Data File: /chem1/nt6.i/20100813.b/ddt.b/08131001.D
Injection Date: 13-AUG-2010 11:24
Instrument: nt6.i
Client Sample ID: CC0813

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100813.b/ddt.b/08131001.D
Injection Date: 13-AUG-2010 11:24
Instrument: nt6.i
Client Sample ID: CC0813

Compound: Benzidine
CAS Number:



Benzidine tailing = $\frac{2.7}{2.3} = 1.17$

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131005.D
Lab Smp Id: RG58MBS1 Client Smp ID: RG58MBS1
Inj Date : 13-AUG-2010 13:36
Operator : JZ Inst ID: nt6.i
Smp Info : RG58MBS1,
Misc Info : 10-18244
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 13-Aug-2010 15:44 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/19/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.242	9.248	(1.000)	643814	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.053	11.058	(0.914)	475088	17.8016	1187
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.089	12.089	(1.000)	381227	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.434	14.439	(1.000)	617258	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.088	17.088	(0.913)	551120	21.9986	1467
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.712	18.717	(1.000)	707196	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.848	20.849	(1.000)	696194	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131005.D
Lab Smp Id: RG58MBS1
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18244

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: RG58MBS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	643814	10.22
42 Acenaphthene-d10	320442	160221	640884	381227	18.97
59 Phenanthrene-d10	503793	251896	1007586	617258	22.52
69 Chrysene-d12	532343	266172	1064686	707196	32.85
77 Perylene-d12	517269	258634	1034538	696194	34.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.06
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.00
59 Phenanthrene-d10	14.44	13.94	14.94	14.43	-0.04
69 Chrysene-d12	18.72	18.22	19.22	18.71	-0.03
77 Perylene-d12	20.85	20.35	21.35	20.85	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58MBS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18244

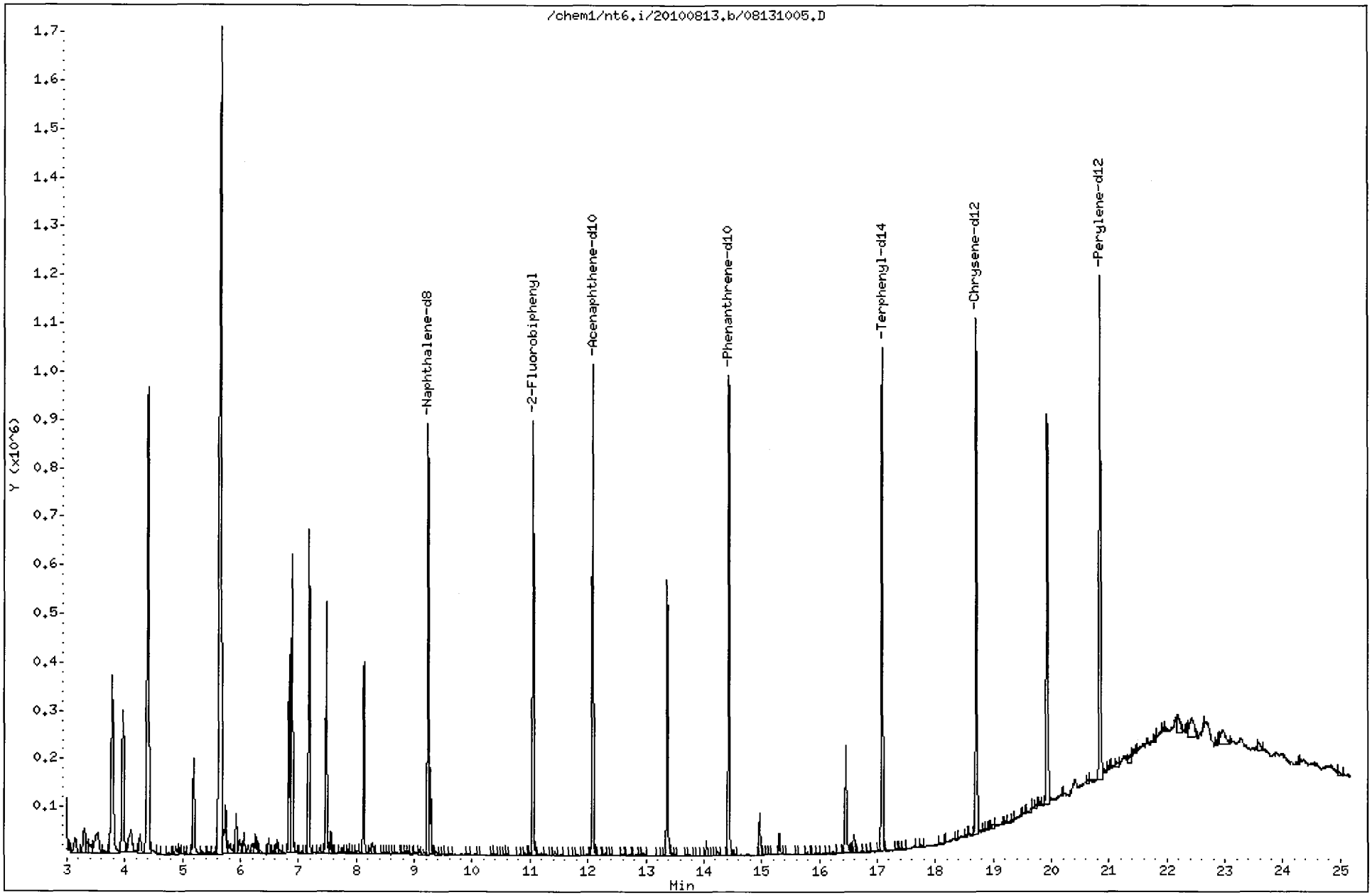
Client SDG: RG58
Fraction: SV
Client Smp ID: RG58MBS1
Operator: JZ
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1187	71.21	34-100
$ 66 Terphenyl-d14	1667	1467	87.99	35-112

Data File: /chem1/nt6.i/20100813.b/08131005.D
Date : 13-AUG-2010 13:36
Client ID: RG58MBS1
Sample Info: RG58MBS1,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:097614



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131016.D
Lab Smp Id: RG58LCSS1 Client Smp ID: RG58LCSS1
Inj Date : 13-AUG-2010 19:38
Operator : JZ Inst ID: nt6.i
Smp Info : RG58LCSS1,
Misc Info : 10-18244
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:12 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 16 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

A 08/19/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.247	9.248	(1.000)	644270	20.0000	
28 Naphthalene	128	9.279	9.274	(1.003)	527740	14.4930	966.2
32 2-Methylnaphthalene	141	10.401	10.401	(1.125)	316976	15.8616	1057
105 1-methylnaphthalene	141	10.572	10.567	(1.143)	320136	15.5090	1034
$ 36 2-Fluorobiphenyl	172	11.058	11.058	(0.914)	472962	17.6190	1175
40 Acenaphthylene	152	11.843	11.838	(0.979)	618161	15.6640	1044
* 42 Acenaphthene-d10	164	12.094	12.089	(1.000)	383454	20.0000	
44 Acenaphthene	153	12.142	12.137	(1.004)	367851	14.9261	995.1
46 Dibenzofuran	168	12.404	12.404	(1.026)	562873	17.1947	1146
49 Fluorene	166	12.959	12.954	(1.072)	471960	16.9222	1128
* 59 Phenanthrene-d10	188	14.444	14.439	(1.000)	683157	20.0000	
60 Phenanthrene	178	14.481	14.477	(1.003)	695348	16.3863	1092
61 Anthracene	178	14.551	14.546	(1.007)	701646	16.0059	1067
64 Fluoranthene	202	16.404	16.394	(1.136)	873433	18.9957	1266
65 Pyrene	202	16.746	16.736	(0.894)	884503	19.4105	1294

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.098	17.088	(0.913)	655872	24.4700	1631
	68 Benzo(a)anthracene	228	18.701	18.691	(0.999)	833185	19.0495	1270
*	69 Chrysene-d12	240	18.727	18.717	(1.000)	756612	20.0000	
	71 Chrysene	228	18.765	18.755	(1.002)	771474	18.8438	1256
	187 Total Benzofluoranthenes	252	20.372	20.368	(0.977)	1063168	47.1360	3142
	76 Benzo(a)pyrene	252	20.778	20.768	(0.996)	357652	16.1914	1079
*	77 Perylene-d12	264	20.858	20.849	(1.000)	350289	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.210	22.205	(1.065)	319040	10.7966	719.8
	79 Dibenzo(a,h)anthracene	278	22.231	22.227	(1.066)	258537	11.3855	759.0
	80 Benzo(g,h,i)perylene	276	22.514	22.510	(1.079)	255515	9.58563	639.0

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131016.D
Lab Smp Id: RG58LCSS1
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18244

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: RG58LCSS1
Level: LOW
Sample Type: Solid

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	644270	10.29
42 Acenaphthene-d10	320442	160221	640884	383454	19.66
59 Phenanthrene-d10	503793	251896	1007586	683157	35.60
69 Chrysene-d12	532343	266172	1064686	756612	42.13
77 Perylene-d12	517269	258634	1034538	350289	-32.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	-0.01
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.04
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.03
69 Chrysene-d12	18.72	18.22	19.22	18.73	0.05
77 Perylene-d12	20.85	20.35	21.35	20.86	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58LCSS1
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18244

Client SDG: RG58
Fraction: SV
Client Smp ID: RG58LCSS1
Operator: JZ
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
28 Naphthalene	1667	966.2	57.97	37-100
32 2-Methylnaphthalen	1667	1057	63.45	43-101
105 1-methylnaphthalen	1667	1034	62.04	39-100
40 Acenaphthylene	1667	1044	62.66	44-100
44 Acenaphthene	1667	995.1	59.70	41-100
46 Dibenzofuran	1667	1146	68.78	44-100
49 Fluorene	1667	1128	67.69	49-100
60 Phenanthrene	1667	1092	65.55	48-100
61 Anthracene	1667	1067	64.02	50-100
64 Fluoranthene	1667	1266	75.98	54-100
65 Pyrene	1667	1294	77.64	41-105
68 Benzo(a)anthracene	1667	1270	76.20	49-100
71 Chrysene	1667	1256	75.38	50-100
187 Total Benzofluoran	3333	3142	94.27	30-160
76 Benzo(a)pyrene	1667	1079	64.77	50-100
78 Indeno(1,2,3-cd)py	1667	719.8	43.19	33-101
79 Dibenzo(a,h)anthra	1667	759.0	45.54	37-104
80 Benzo(g,h,i)peryle	1667	639.0	38.34	33-107

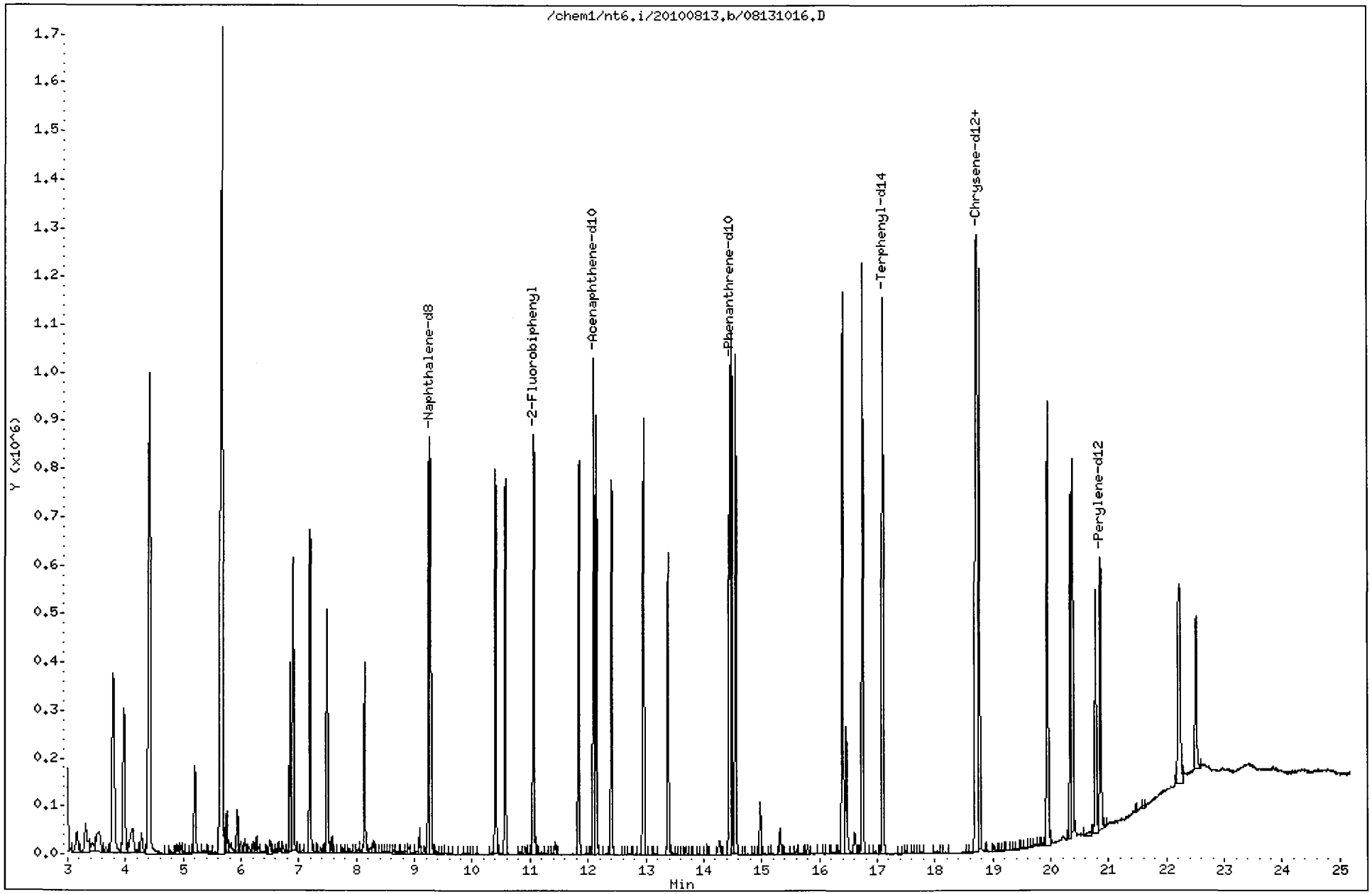
SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1175	70.48	34-100
$ 66 Terphenyl-d14	1667	1631	97.88	35-112

Data File: /chem1/nt6.i/20100813.b/08131016.D
Date : 13-AUG-2010 19:38
Client ID: RG58LCSS1
Sample Info: RG58LCSS1,
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

RG58 : 00769



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131017.D
Lab Smp Id: RG58A Client Smp ID: PSB22-0-0.5-072910
Inj Date : 13-AUG-2010 20:11
Operator : JZ Inst ID: nt6.i
Smp Info : RG58A
Misc Info : 10-18236
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/14/10

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	27.80000	Weight of sample extracted (g)
M	5.10000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.247	9.248	(1.000)	638478	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.058	11.058	(0.914)	506881	18.8585	357.4
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.094	12.089	(1.000)	383943	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.444	14.439	(1.000)	661888	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.099	17.088	(0.913)	596962	22.3001	422.6
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.722	18.717	(1.000)	755662	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.859	20.849	(1.000)	342124	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131017.D
Lab Smp Id: RG58A
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18236

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-0-0.5-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	638478	9.30
42 Acenaphthene-d10	320442	160221	640884	383943	19.82
59 Phenanthrene-d10	503793	251896	1007586	661888	31.38
69 Chrysene-d12	532343	266172	1064686	755662	41.95
77 Perylene-d12	517269	258634	1034538	342124	-33.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	0.00
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.04
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.03
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.03
77 Perylene-d12	20.85	20.35	21.35	20.86	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

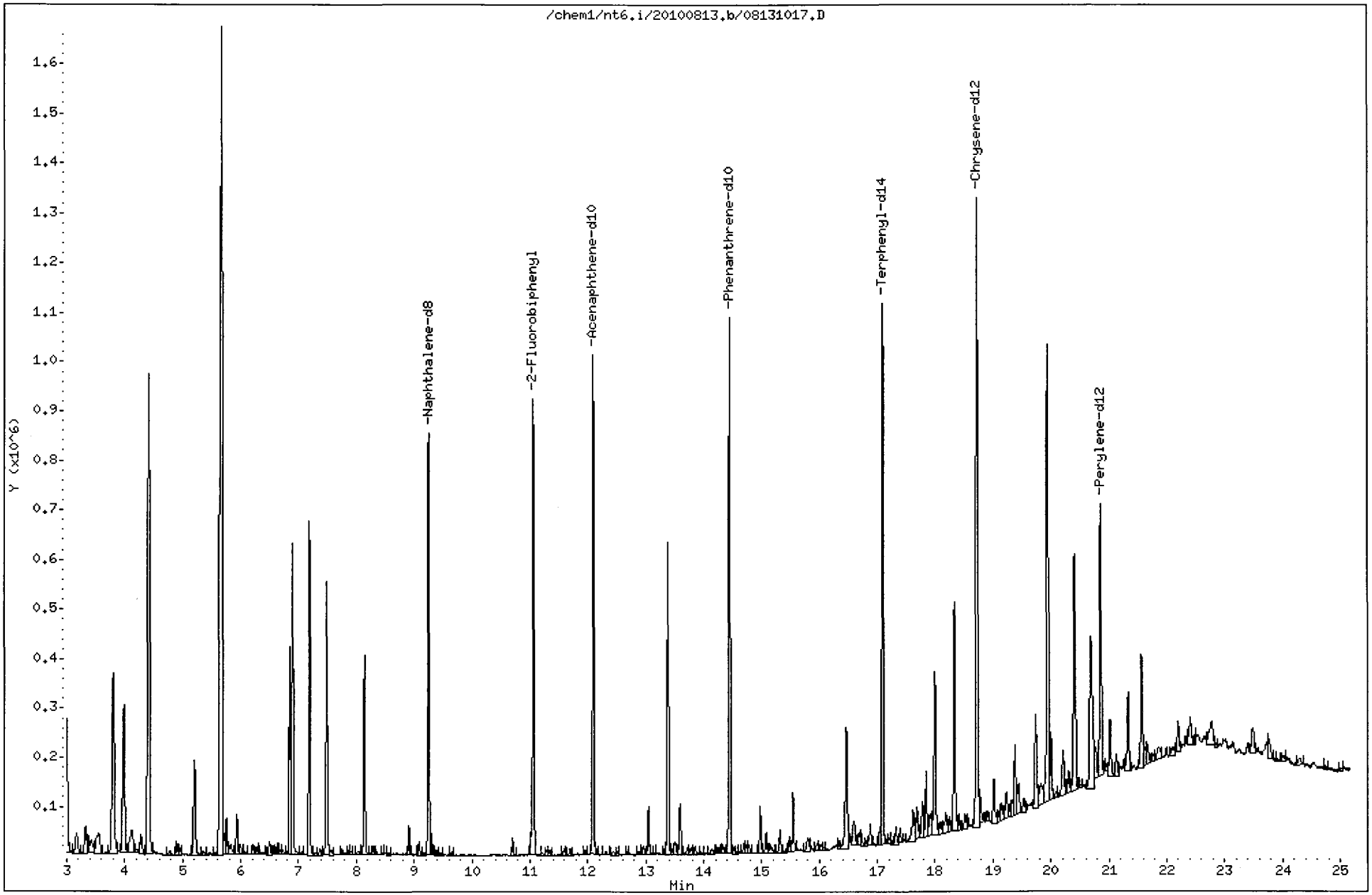
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58A
Client Smp ID: PSB22-0-0.5-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18236

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	473.8	357.4	75.43	34-100
$ 66 Terphenyl-d14	473.8	422.6	89.20	35-112

Data File: /chem1/nt6.i/20100813.b/08131017.D
Date : 13-AUG-2010 20:11
Client ID: PSB22-0-0.5-072910
Sample Info: RG58A
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 00714



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131018.D
Lab Smp Id: RG58B Client Smp ID: PSB22-1.5-2-072910
Inj Date : 13-AUG-2010 20:44
Operator : JZ Inst ID: nt6.i
Smp Info : RG58B
Misc Info : 10-18237
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AZ 08/19/10

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	27.20000	Weight of sample extracted (g)
M	7.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.248	9.248	(1.000)	656447	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.059	11.058	(0.914)	480430	17.2149	341.0
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.095	12.089	(1.000)	398652	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.445	14.439	(1.000)	689410	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.094	17.088	(0.913)	567166	20.3062	402.2
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.723	18.717	(1.000)	788440	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.860	20.849	(1.000)	345872	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131018.D
Lab Smp Id: RG58B
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18237

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-1.5-2-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	656447	12.38
42 Acenaphthene-d10	320442	160221	640884	398652	24.41
59 Phenanthrene-d10	503793	251896	1007586	689410	36.84
69 Chrysene-d12	532343	266172	1064686	788440	48.11
77 Perylene-d12	517269	258634	1034538	345872	-33.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	0.00
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.05
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.04
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.03
77 Perylene-d12	20.85	20.35	21.35	20.86	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

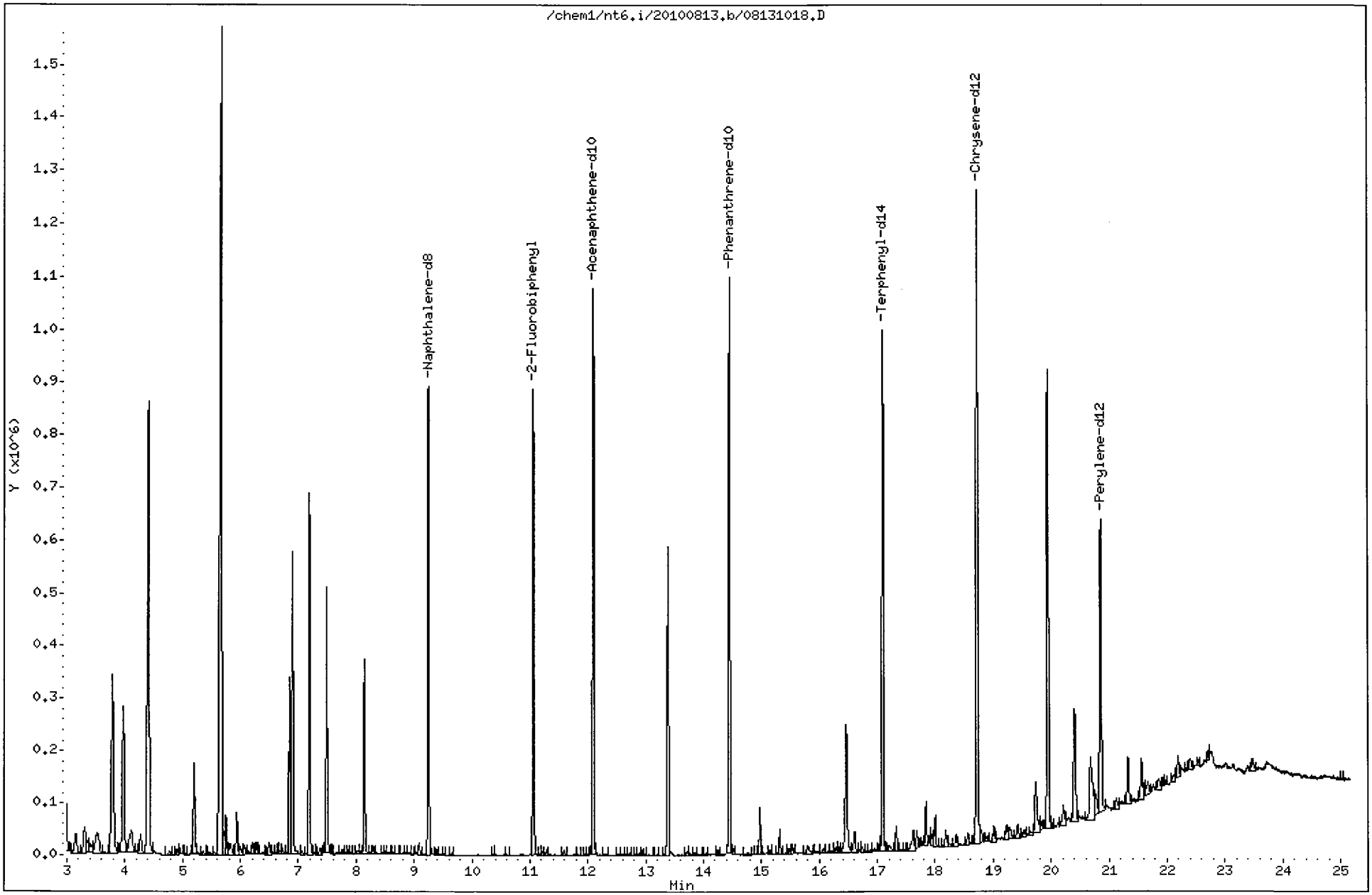
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58B
Client Smp ID: PSB22-1.5-2-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18237

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	495.2	341.0	68.86	34-100
$ 66 Terphenyl-d14	495.2	402.2	81.22	35-112

Data File: /chem1/nt6.i/20100813.b/08131018.D
Date : 13-AUG-2010 20:44
Client ID: PSB22-1.5-2-072910
Sample Info: RG58B
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:00719



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131019.D
Lab Smp Id: RG58C Client Smp ID: PSB22-2-4-072910
Inj Date : 13-AUG-2010 21:16
Operator : JZ Inst ID: nt6.i
Smp Info : RG58C
Misc Info : 10-18238
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AR 08/19/10

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	28.30000	Weight of sample extracted (g)
M	9.20000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.244	9.248	(1.000)	637885	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.060	11.058	(0.915)	504170	18.6004	361.9
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.091	12.089	(1.000)	387188	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.441	14.439	(1.000)	668956	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.096	17.088	(0.913)	608848	22.0545	429.1
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.725	18.717	(1.000)	779291	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.856	20.849	(1.000)	339241	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131019.D
Lab Smp Id: RG58C
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18238

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-2-4-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	637885	9.20
42 Acenaphthene-d10	320442	160221	640884	387188	20.83
59 Phenanthrene-d10	503793	251896	1007586	668956	32.78
69 Chrysene-d12	532343	266172	1064686	779291	46.39
77 Perylene-d12	517269	258634	1034538	339241	-34.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.04
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.02
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.01
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.04
77 Perylene-d12	20.85	20.35	21.35	20.86	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

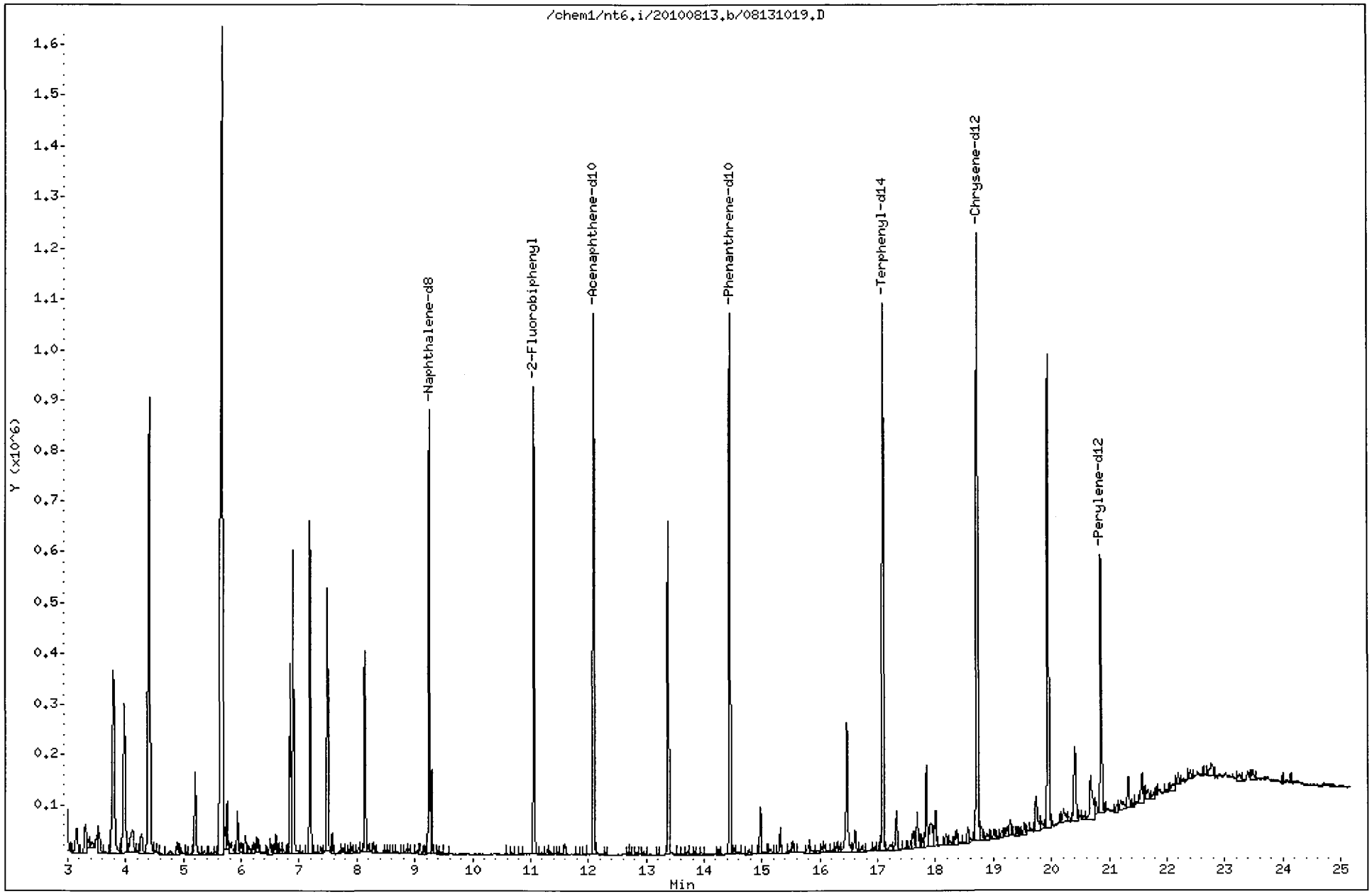
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58C
Client Smp ID: PSB22-2-4-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18238

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	486.4	361.9	74.40	34-100
$ 66 Terphenyl-d14	486.4	429.1	88.22	35-112

Data File: /chem1/nt6.i/20100813.b/08131019.D
Date : 13-AUG-2010 21:16
Client ID: PSB22-2-4-072910
Sample Info: RG58C
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:007241



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131020.D
Lab Smp Id: RG58D Client Smp ID: PSB22-4-6-072910
Inj Date : 13-AUG-2010 21:49
Operator : JZ Inst ID: nt6.i
Smp Info : RG58D
Misc Info : 10-18239
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AD 08/14/10

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	28.00000	Weight of sample extracted (g)
M	8.70000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.244	9.248	(1.000)	597978	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.060	11.058	(0.915)	508480	20.1489	394.1
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.090	12.089	(1.000)	360487	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.440	14.439	(1.000)	627772	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.095	17.088	(0.913)	621437	24.0082	469.6
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.719	18.717	(1.000)	730678	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.855	20.849	(1.000)	323824	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131020.D
Lab Smp Id: RG58D
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18239

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-4-6-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	597978	2.37
42 Acenaphthene-d10	320442	160221	640884	360487	12.50
59 Phenanthrene-d10	503793	251896	1007586	627772	24.61
69 Chrysene-d12	532343	266172	1064686	730678	37.26
77 Perylene-d12	517269	258634	1034538	323824	-37.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.24	-0.04
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.01
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.01
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.01
77 Perylene-d12	20.85	20.35	21.35	20.86	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

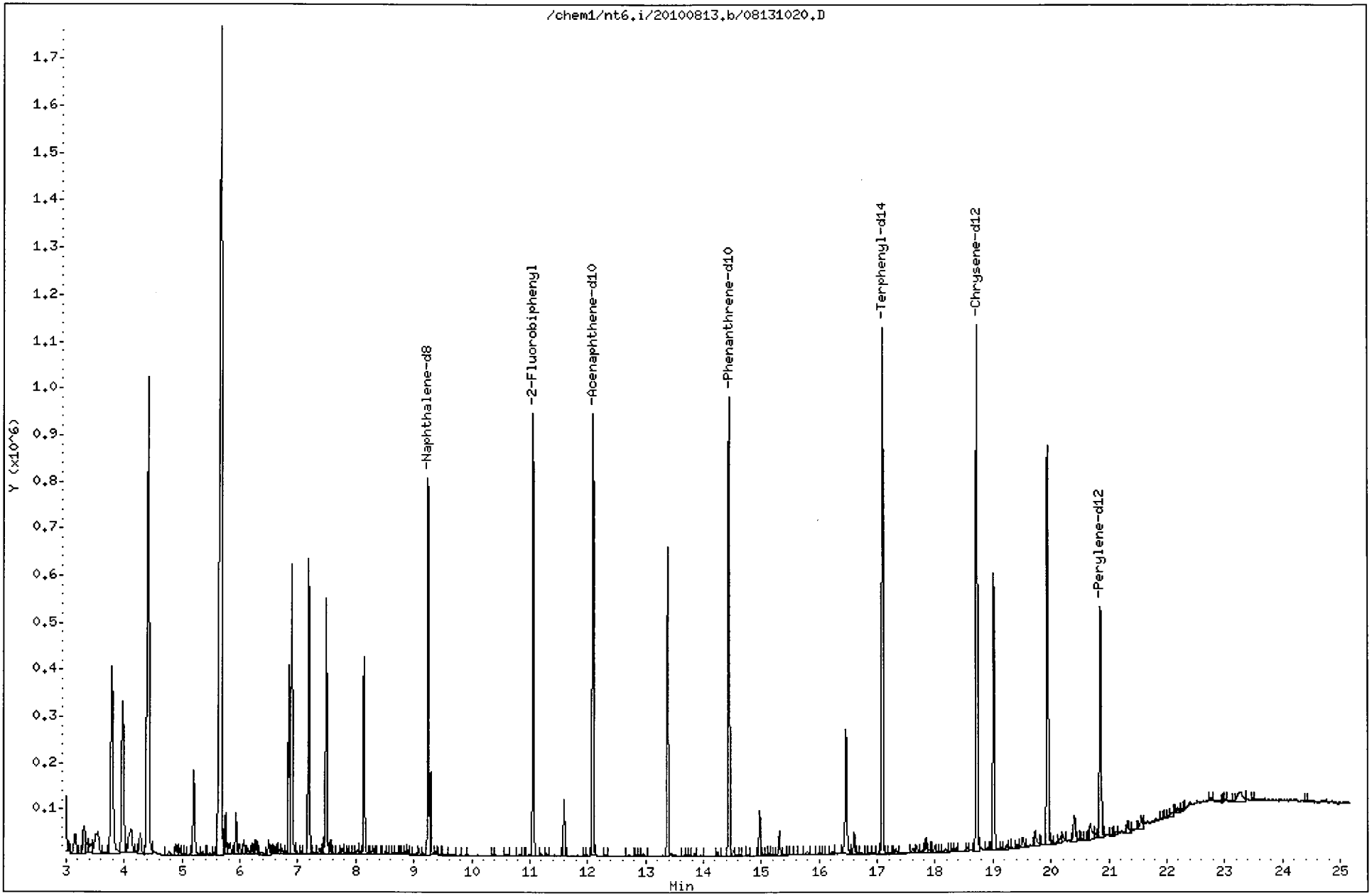
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58D
Client Smp ID: PSB22-4-6-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18239

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	489.0	394.1	80.60	34-100
$ 66 Terphenyl-d14	489.0	469.6	96.03	35-112

Data File: /chem1/nt6.i/20100813.b/08131020.D
Date : 13-AUG-2010 21:49
Client ID: PSB22-4-6-072910
Sample Info: RG58D
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:00729



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131021.D
Lab Smp Id: RG58E Client Smp ID: PSB22-17-19-072910
Inj Date : 13-AUG-2010 22:22
Operator : JZ Inst ID: nt6.i
Smp Info : RG58E
Misc Info : 10-18240
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	Volume of final extract (uL)
Ws	29.20000	Weight of sample extracted (g)
M	12.90000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.247	9.248	(1.000)	642738	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.057	11.058	(0.914)	484927	17.9020	351.9
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.093	12.089	(1.000)	386938	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.443	14.439	(1.000)	671130	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.098	17.088	(0.913)	629953	22.4997	442.3
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.722	18.717	(1.000)	790351	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.858	20.849	(1.000)	351433	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131021.D
Lab Smp Id: RG58E
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18240

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-17-19-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	642738	10.03
42 Acenaphthene-d10	320442	160221	640884	386938	20.75
59 Phenanthrene-d10	503793	251896	1007586	671130	33.22
69 Chrysene-d12	532343	266172	1064686	790351	48.47
77 Perylene-d12	517269	258634	1034538	351433	-32.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	-0.01
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.04
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.03
69 Chrysene-d12	18.72	18.22	19.22	18.72	0.02
77 Perylene-d12	20.85	20.35	21.35	20.86	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58E
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18240

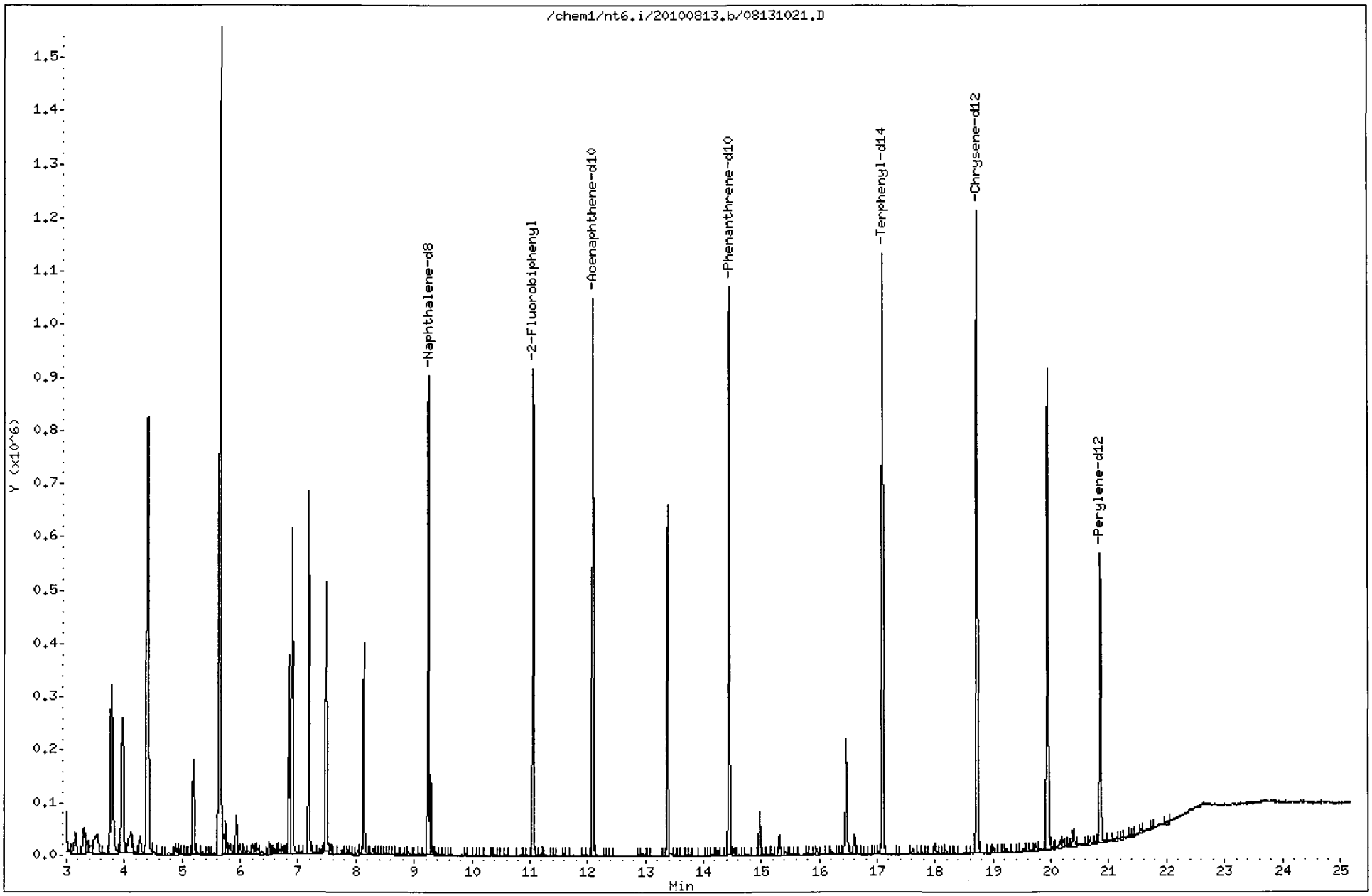
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB22-17-19-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	491.5	351.9	71.61	34-100
$ 66 Terphenyl-d14	491.5	442.3	90.00	35-112

Data File: /chem1/nt6.i/20100813.b/08131021.D
Date : 13-AUG-2010 22:22
Client ID: PSB22-17-19-072910
Sample Info: RG58E
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:007734



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100813.b/08131022.D
Lab Smp Id: RG58F Client Smp ID: PSB22-19-20-072910
Inj Date : 13-AUG-2010 22:55
Operator : JZ Inst ID: nt6.i
Smp Info : RG58F
Misc Info : 10-18241
Comment : 1ul Injection
Method : /chem1/nt6.i/20100813.b/SW846072310.m
Meth Date : 14-Aug-2010 17:14 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/14/10

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	31.10000	Weight of sample extracted (g)
M	16.80000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.247	9.248	(1.000)	648070	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.057	11.058	(0.914)	502140	18.5111	357.7
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.093	12.089	(1.000)	387488	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.443	14.439	(1.000)	662734	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.093	17.088	(0.913)	617629	22.0799	426.7
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.716	18.717	(1.000)	789619	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.853	20.849	(1.000)	391639	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08131022.D
Lab Smp Id: RG58F
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18241

Calibration Date: 13-AUG-2010
Calibration Time: 11:24
Client Smp ID: PSB22-19-20-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	648070	10.94
42 Acenaphthene-d10	320442	160221	640884	387488	20.92
59 Phenanthrene-d10	503793	251896	1007586	662734	31.55
69 Chrysene-d12	532343	266172	1064686	789619	48.33
77 Perylene-d12	517269	258634	1034538	391639	-24.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.25	8.75	9.75	9.25	-0.01
42 Acenaphthene-d10	12.09	11.59	12.59	12.09	0.03
59 Phenanthrene-d10	14.44	13.94	14.94	14.44	0.03
69 Chrysene-d12	18.72	18.22	19.22	18.72	-0.01
77 Perylene-d12	20.85	20.35	21.35	20.85	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

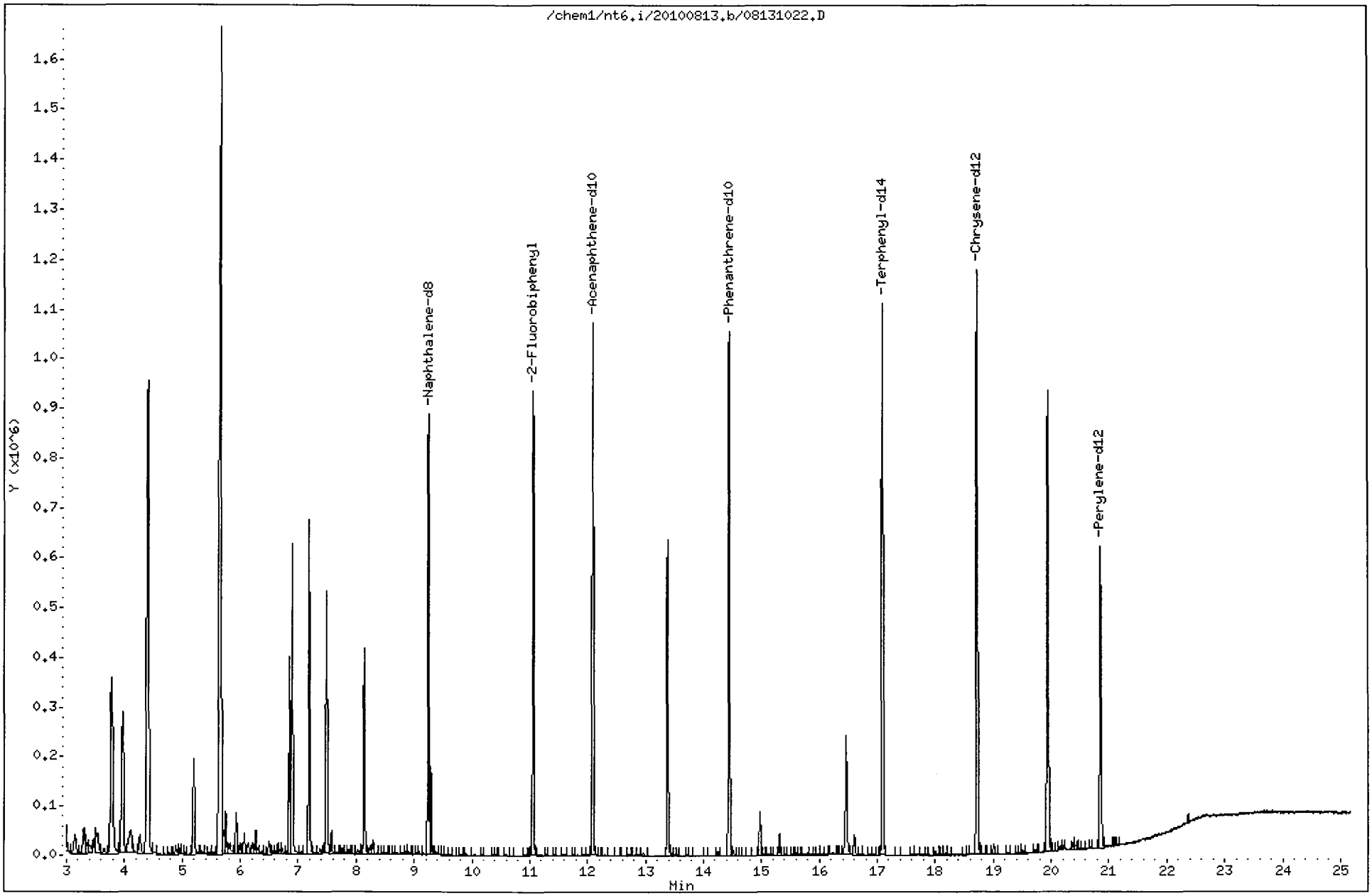
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58F
Client Smp ID: PSB22-19-20-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100813.b/SW846072310.m
Misc Info: 10-18241

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	483.1	357.7	74.04	34-100
$ 66 Terphenyl-d14	483.1	426.7	88.32	35-112

Data File: /chem1/nt6.i/20100813.b/08131022.D
Date : 13-AUG-2010 22:55
Client ID: PSB22-19-20-072910
Sample Info: RG58F
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 69739



Analytical Resources Inc.: Organics Instrument Log

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

Date: 8/14/10 Analysis: 8270 Analyst: DR

GC Program: ABN/VOA Column No: 172127 Column Type: ZB-5MS

Instrument Tune (.U or .CT.): 100629 EM Voltage: 1529

Calibration File: 08144001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/CV
1752-1	1747-3, 1733-1, 1734-1, 1736-1, 15019, 1753-5, 1744-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.i/20100814.b

	Time	Filename	LabID	ClientId	DF											
1	1145	08141001.D	CC0814	CC0814	1	7.14	161123	9.20	534987	12.04	314167	14.38	507730	18.66	579626	20.79	556861	19.88	696743
2	1219	08141002.D	RG58G	PSB23-0-0.5-	1	9.19	609707	12.03	357717	14.38	581514	18.65	683358	20.79	697178				
3	1252	08141003.D	RG58Q	PSB24-4-6-07	1	9.19	651377	12.03	384687	14.38	620079	18.65	705221	20.79	669507				
4	1325	08141004.D	1758-1	Guaiacol(#32	4	7.13	182803	9.19	597861	12.03	328579	14.38	533785	18.65	628661	20.78	600382	19.88	743345
5	1431	08141005.D	RG58I	PSB23-2-4-07	4	9.19	615291	12.04	353529	14.38	584733	18.65	616513	20.78	610131				
6	1537	08141006.D	RG58IMS	PSB23-2-4-07	1	9.19	631717	12.03	367554	14.38	610711	18.66	695593	20.79	709373				
7	1610	08141007.D	RG58IMSD	PSB23-2-4-07	1	9.19	625717	12.03	362448	14.38	600899	18.66	673123	20.79	686443				
8	1643	08141008.D	1758-2	PNA SPK(#20)	4	9.19	620900	12.03	353884	14.38	590831	18.65	646918	20.79	658118				
9	1716	08141009.D	RG58J	PSB23-4-6-07	1	9.18	583051	12.03	338386	14.38	552970	18.65	627739	20.79	618942				
10	1749	08141010.D	RG58K	PSB23-14-16.	1	9.19	646661	12.03	379763	14.38	619065	18.65	697558	20.78	671572				
11	1822	08141011.D	RG58L	PSB23-16.5-1	1	9.19	647714	12.03	377082	14.38	610030	18.65	701040	20.79	668043				
12	1855	08141012.D	RG58M	PSB24-0-0.5-	1	9.18	646535	12.03	379257	14.38	615667	18.65	709038	20.79	734362				
13	1928	08141013.D	RG58N	PSB24-1.5-2-	1	9.19	657121	12.03	383701	14.38	628125	18.65	712465	20.78	697629				
14	2000	08141014.D	RG58O	PSB24-2-4-07	1	9.19	661841	12.03	391994	14.38	644324	18.65	729013	20.79	707146				
15	2033	08141015.D	RG58P	PSB24-2-4-07	1	9.19	648336	12.03	382557	14.37	619258	18.65	690647	20.79	688671				
16	2106	08141016.D	RG58H	PSB23-1.5-2-	1	9.19	641761	12.03	377490	14.37	618870	18.65	720723	20.79	720130				
17	2138	08141017.D	RG58R	PSB24-14-16-	1	9.19	650786	12.03	385258	14.38	619734	18.65	709277	20.79	691371				
18	2211	08141018.D	RG58S	PSB24-16-17-	1	9.19	672532	12.03	397533	14.37	647131	18.65	746474	20.78	716161				

DR 08/18/10

Maintenance / Comments

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.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100814.b

ARI Job No.: CC08 Method: SW846072310.m Instrument: nt6.i Date: 14-AUG-2010

JZ 08/18/10

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1145	08141001.D	CC0814	CC0814	1	NO MANUAL INTEGRATION
1219	08141002.D	RG58G	PSB23-0-0.	1	NO MANUAL INTEGRATION
1252	08141003.D	RG58Q	PSB24-4-6-	1	NO MANUAL INTEGRATION
1537	08141006.D	RG58IMS	PSB23-2-4-	1	NO MANUAL INTEGRATION
1610	08141007.D	RG58IMSD	PSB23-2-4-	1	NO MANUAL INTEGRATION
1716	08141009.D	RG58J	PSB23-4-6-	1	NO MANUAL INTEGRATION
1749	08141010.D	RG58K	PSB23-14-1	1	NO MANUAL INTEGRATION
1822	08141011.D	RG58L	PSB23-16.5	1	NO MANUAL INTEGRATION
1855	08141012.D	RG58M	PSB24-0-0.	1	NO MANUAL INTEGRATION
1928	08141013.D	RG58N	PSB24-1.5-	1	NO MANUAL INTEGRATION
2000	08141014.D	RG58O	PSB24-2-4-	1	NO MANUAL INTEGRATION
2033	08141015.D	RG58P	PSB24-2-4-	1	NO MANUAL INTEGRATION
2106	08141016.D	RG58H	PSB23-1.5-	1	NO MANUAL INTEGRATION
2138	08141017.D	RG58R	PSB24-14-1	1	NO MANUAL INTEGRATION
2211	08141018.D	RG58S	PSB24-16-1	1	NO MANUAL INTEGRATION

RG58 08/18/10

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt6.i/20100814.b

Instrument: nt6.i Date: 14-AUG-2010 Method: SW846072310.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

D 08/14/10

CONTINUING CAL: 14-AUG-2010

Compound	%D
2,4-Dinitrophenol	-23.6
4-Nitrophenol	-20.0

VTC

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08141001.D
Analysis Type:
Lab Sample ID: CC0814
Method: /chem1/nt6.i/20100814.b/SW846072310.m

Injection Date: 14-AUG-2010 11:45
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

AR 08/14/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.32873	1.36917	1.36917	0.010	3.04348	20.00000	Averaged
$ 2 Phenol-d5	1.53477	1.56336	1.56336	0.010	1.86293	20.00000	Averaged
3 Phenol	1.70453	1.81652	1.81652	0.010	6.57017	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.29631	1.28341	1.28341	0.010	-0.99515	20.00000	Averaged
4 Bis(2-Chloroethyl)ether	1.30667	1.31463	1.31463	0.010	0.60906	20.00000	Averaged
6 2-Chlorophenol	1.47378	1.47996	1.47996	0.010	0.41950	20.00000	Averaged
7 1,3-Dichlorobenzene	1.71678	1.69945	1.69945	0.010	-1.00972	20.00000	Averaged
9 1,4-Dichlorobenzene	1.68189	1.70672	1.70672	0.010	1.47593	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89939	0.92399	0.92399	0.010	2.73564	20.00000	Averaged
12 1,2-Dichlorobenzene	1.56400	1.60416	1.60416	0.010	2.56730	20.00000	Averaged
11 Benzyl alcohol	0.80695	0.84610	0.84610	0.010	4.85126	20.00000	Averaged
14 2,2'-oxybis(1-Chloropropane	1.39331	1.55698	1.55698	0.010	11.74659	20.00000	Averaged
13 2-Methylphenol	1.27111	1.32278	1.32278	0.010	4.06531	20.00000	Averaged
17 Hexachloroethane	0.60757	0.62038	0.62038	0.010	2.10866	20.00000	Averaged
16 N-Nitroso-di-n-propylamine	0.88368	0.91938	0.91938	0.005	4.04030	20.00000	Averaged
15 4-Methylphenol	1.25486	1.37167	1.37167	0.010	9.30848	20.00000	Averaged
$ 18 Nitrobenzene-d5	0.38855	0.37734	0.37734	0.010	-2.88462	20.00000	Averaged
19 Nitrobenzene	0.43075	0.42931	0.42931	0.010	-0.33608	20.00000	Averaged
20 Isophorone	0.68600	0.70448	0.70448	0.010	2.69385	20.00000	Averaged
21 2-Nitrophenol	0.25274	0.26568	0.26568	0.010	5.12024	20.00000	Averaged
22 2,4-Dimethylphenol	0.41587	0.41792	0.41792	0.010	0.49346	20.00000	Averaged
23 Bis(2-Chloroethoxy)methane	0.47536	0.48595	0.48595	0.010	2.22964	20.00000	Averaged
24 Benzoic acid	0.30742	0.27218	0.27218	0.010	-11.46058	20.00000	Averaged
25 2,4-Dichlorophenol	0.36413	0.38981	0.38981	0.010	7.05300	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.39778	0.39971	0.39971	0.010	0.48626	20.00000	Averaged
28 Naphthalene	1.13038	1.14596	1.14596	0.010	1.37834	20.00000	Averaged
29 4-Chloroaniline	0.45282	0.44700	0.44700	0.010	-1.28457	20.00000	Averaged
30 Hexachlorobutadiene	0.23198	0.23544	0.23544	0.010	1.49194	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.35105	0.36910	0.36910	0.010	5.14081	20.00000	Averaged
32 2-Methylnaphthalene	0.62036	0.62515	0.62515	0.010	0.77208	20.00000	Averaged
33 Hexachlorocyclopentadiene	20.26733	25.00000	0.33710	0.010	-18.93068	20.00000	Linear
34 2,4,6-Trichlorophenol	0.45790	0.48351	0.48351	0.010	5.59433	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47246	0.49826	0.49826	0.010	5.46052	20.00000	Averaged
$ 36 2-Fluorobiphenyl	1.40011	1.33425	1.33425	0.010	-4.70432	20.00000	Averaged
37 2-Chloronaphthalene	1.32938	1.32398	1.32398	0.010	-0.40633	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 14-AUG-2010 11:45
Lab File ID: 08141001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0814 Quant Type: ISTD
Method: /chem1/nt6.i/20100814.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.33095	0.33292	0.33292	0.010	0.59397	20.00000	Averaged	
39 Dimethylphthalate	1.50119	1.50868	1.50868	0.010	0.49899	20.00000	Averaged	
40 Acenaphthylene	2.05833	2.06259	2.06259	0.010	0.20698	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.35670	0.37697	0.37697	0.010	5.68290	20.00000	Averaged	
43 3-Nitroaniline	0.31209	0.32086	0.32086	0.010	2.81094	20.00000	Averaged	
44 Acenaphthene	1.28541	1.27926	1.27926	0.010	-0.47844	20.00000	Averaged	
45 2,4-Dinitrophenol	38.22467	50.00000	0.22408	0.010	-23.55065	20.00000	Linear	<-
46 Dibenzofuran	1.70738	1.71522	1.71522	0.010	0.45893	20.00000	Averaged	
47 4-Nitrophenol	0.18552	0.14836	0.14836	0.010	-20.03162	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.45944	0.48709	0.48709	0.010	6.01659	20.00000	Averaged	
50 Diethylphthalate	1.39533	1.34142	1.34142	0.010	-3.86390	20.00000	Averaged	
49 Fluorene	1.45467	1.49146	1.49146	0.010	2.52917	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.71936	0.73982	0.73982	0.010	2.84381	20.00000	Averaged	
52 4-Nitroaniline	0.34745	0.33788	0.33788	0.010	-2.75471	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.19806	0.19555	0.19555	0.010	-1.26690	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.68493	0.69447	0.69447	0.010	1.39344	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.18223	0.22110	0.22110	0.010	21.32669	20.00000	Averaged	<-
56 4-Bromophenyl-phenylether	0.29331	0.31627	0.31627	0.010	7.83041	20.00000	Averaged	
57 Hexachlorobenzene	0.30899	0.34340	0.34340	0.010	11.13656	20.00000	Averaged	
58 Pentachlorophenol	0.18262	0.17349	0.17349	0.010	-4.99924	20.00000	Averaged	
60 Phenanthrene	1.24231	1.26209	1.26209	0.010	1.59217	20.00000	Averaged	
61 Anthracene	1.28336	1.31975	1.31975	0.010	2.83609	20.00000	Averaged	
62 Carbazole	1.19107	1.17661	1.17661	0.010	-1.21369	20.00000	Averaged	
63 Di-n-butylphthalate	1.45976	1.50448	1.50448	0.010	3.06344	20.00000	Averaged	
64 Fluoranthene	1.34612	1.44264	1.44264	0.010	7.17007	20.00000	Averaged	
65 Pyrene	1.20453	1.24176	1.24176	0.010	3.09070	20.00000	Averaged	
$ 66 Terphenyl-d14	0.70850	0.75623	0.75623	0.010	6.73586	20.00000	Averaged	
67 Butylbenzylphthalate	0.58237	0.59466	0.59466	0.010	2.10997	20.00000	Averaged	
68 Benzo(a)anthracene	1.15615	1.23253	1.23253	0.010	6.60660	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37517	0.41383	0.41383	0.010	10.30342	20.00000	Averaged	
71 Chrysene	1.08220	1.11911	1.11911	0.010	3.40987	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.63407	0.66918	0.66918	0.010	5.53815	20.00000	Averaged	
73 Di-n-octylphthalate	1.08410	1.08736	1.08736	0.010	0.30010	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.33887	1.47762	1.47762	0.010	10.36314	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.38193	1.27605	1.27605	0.010	-7.66198	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 14-AUG-2010 11:45
Lab File ID: 08141001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0814 Quant Type: ISTD
Method: /chem1/nt6.i/20100814.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.28781	1.29121	1.29121	0.010	0.26430	20.00000	Averaged
76 Benzo(a)pyrene	1.26119	1.26739	1.26739	0.010	0.49210	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.68718	1.62206	1.62206	0.010	-3.86005	20.00000	Averaged
79 Dibenzo(a,h)anthracene	1.29650	1.28564	1.28564	0.010	-0.83796	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.52194	1.43214	1.43214	0.010	-5.90092	20.00000	Averaged
90 N-Nitrosodimethylamine	0.86213	0.87715	0.87715	0.010	1.74196	20.00000	Averaged
103 Pyridine	1.54116	1.53453	1.53453	0.010	-0.43053	20.00000	Averaged
91 Aniline	1.95218	1.92998	1.92998	0.010	-1.13749	20.00000	Averaged
105 1-methylnaphthalene	0.64079	0.65614	0.65614	0.010	2.39575	20.00000	Averaged
110 Tetrachloroguaiacol	0.15419	0.16603	0.16603	0.010	7.67887	20.00000	Averaged
109 3,4,5-Trichloroguaiacol	0.15673	0.16446	0.16446	0.010	4.93382	20.00000	Averaged
181 3,4,6-Trichloroguaiacol	0.53012	0.61603	0.61603	0.010	16.20538	20.00000	Averaged
108 4,5,6-Trichloroguaiacol	0.25112	0.27409	0.27409	0.010	9.14759	20.00000	Averaged
184 3,4-Dichloroguaiacol	0.46530	0.53093	0.53093	0.010	14.10546	20.00000	Averaged
107 4,5-Dichloroguaiacol	0.31537	0.32902	0.32902	0.010	4.32753	20.00000	Averaged
182 4,6-Dichloroguaiacol	0.56399	0.63875	0.63875	0.010	13.25454	20.00000	Averaged
185 4-Chloroguaiacol	0.58008	0.60820	0.60820	0.010	4.85129	20.00000	Averaged
106 Guaiacol	1.20715	1.24052	1.24052	0.010	2.76454	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141001.D
Lab Smp Id: CC0814 Client Smp ID: CC0814
Inj Date : 14-AUG-2010 11:45
Operator : JZ Inst ID: nt6.i
Smp Info : CC0814
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 14-Aug-2010 16:56 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

08/14/10

AMOUNTS

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
$	1 2-Fluorophenol	112	5.122	5.122	(0.718)	275756	25.0000	25.76
$	2 Phenol-d5	99	6.804	6.804	(0.954)	314867	25.0000	25.47
	3 Phenol	94	6.820	6.820	(0.956)	365853	25.0000	26.64
$	5 2-Chlorophenol-d4	132	6.847	6.847	(0.960)	258483	25.0000	24.75
	4 Bis(2-Chloroethyl)ether	93	6.836	6.836	(0.958)	264772	25.0000	25.15
	6 2-Chlorophenol	128	6.868	6.868	(0.963)	298070	25.0000	25.10
	7 1,3-Dichlorobenzene	146	7.066	7.066	(0.990)	342275	25.0000	24.75
*	8 1,4-Dichlorobenzene-d4	152	7.135	7.135	(1.000)	161123	20.0000	
	9 1,4-Dichlorobenzene	146	7.162	7.162	(1.004)	343739	25.0000	25.37
$	10 1,2-Dichlorobenzene-d4	152	7.434	7.434	(1.042)	186096	25.0000	25.68
	12 1,2-Dichlorobenzene	146	7.456	7.456	(1.045)	323083	25.0000	25.64
	11 Benzyl alcohol	108	7.466	7.466	(1.046)	170407	25.0000	26.21
	14 2,2'-oxybis(1-Chloropropane)	45	7.723	7.723	(1.082)	313582	25.0000	27.94
	13 2-Methylphenol	108	7.749	7.749	(1.086)	266413	25.0000	26.02
	17 Hexachloroethane	117	7.942	7.942	(1.113)	124947	25.0000	25.53
	16 N-Nitroso-di-n-propylamine	70	7.947	7.947	(1.114)	185167	25.0000	26.01
	15 4-Methylphenol	108	7.990	7.990	(1.120)	276259	25.0000	27.33
$	18 Nitrobenzene-d5	82	8.091	8.091	(0.880)	252343	25.0000	24.28
	19 Nitrobenzene	77	8.118	8.118	(0.883)	287092	25.0000	24.92
	20 Isophorone	82	8.513	8.513	(0.926)	471112	25.0000	25.67
	21 2-Nitrophenol	139	8.641	8.641	(0.940)	177670	25.0000	26.28
	22 2,4-Dimethylphenol	107	8.812	8.812	(0.958)	279477	25.0000	25.12
	23 Bis(2-Chloroethoxy)methane	93	8.935	8.935	(0.972)	324974	25.0000	25.56
	24 Benzoic acid	105	9.117	9.117	(0.991)	364037	50.0000	44.27
	25 2,4-Dichlorophenol	162	9.047	9.047	(0.984)	260680	25.0000	26.76
	26 1,2,4-Trichlorobenzene	180	9.149	9.149	(0.995)	267301	25.0000	25.12
*	27 Naphthalene-d8	136	9.197	9.197	(1.000)	534987	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	9.224	9.224	(1.003)	766343	25.0000	25.34
	29 4-Chloroaniline	127	9.405	9.405	(1.023)	298927	25.0000	24.68
	30 Hexachlorobutadiene	225	9.555	9.555	(1.039)	157447	25.0000	25.37
	31 4-Chloro-3-methylphenol	107	10.265	10.265	(1.116)	246828	25.0000	26.29
	32 2-Methylnaphthalene	141	10.345	10.345	(1.125)	418056	25.0000	25.19
	33 Hexachlorocyclopentadiene	237	10.730	10.730	(0.891)	132384	25.0000	20.27
	34 2,4,6-Trichlorophenol	196	10.885	10.885	(0.904)	189880	25.0000	26.40
	35 2,4,5-Trichlorophenol	196	10.949	10.949	(0.909)	195672	25.0000	26.37
$	36 2-Fluorobiphenyl	172	11.007	11.007	(0.914)	523970	25.0000	23.82
	37 2-Chloronaphthalene	162	11.114	11.114	(0.923)	519937	25.0000	24.90
	38 2-Nitroaniline	65	11.376	11.376	(0.945)	130739	25.0000	25.15
	39 Dimethylphthalate	163	11.766	11.766	(0.977)	592472	25.0000	25.12
	40 Acenaphthylene	152	11.782	11.782	(0.979)	809999	25.0000	25.05
	41 2,6-Dinitrotoluene	165	11.851	11.851	(0.984)	148039	25.0000	26.42
*	42 Acenaphthene-d10	164	12.038	12.038	(1.000)	314167	20.0000	
	43 3-Nitroaniline	138	12.060	12.060	(1.002)	126005	25.0000	25.70
	44 Acenaphthene	153	12.086	12.086	(1.004)	502377	25.0000	24.88
	45 2,4-Dinitrophenol	184	12.231	12.231	(1.016)	175998	50.0000	38.22
	46 Dibenzofuran	168	12.348	12.348	(1.026)	673582	25.0000	25.11
	47 4-Nitrophenol	109	12.439	12.439	(1.033)	58261	25.0000	19.99
	48 2,4-Dinitrotoluene	165	12.476	12.476	(1.036)	191283	25.0000	26.50
	50 Diethylphthalate	149	12.920	12.920	(1.073)	526787	25.0000	24.03
	49 Fluorene	166	12.898	12.898	(1.071)	585710	25.0000	25.63
	51 4-Chlorophenyl-phenylether	204	12.946	12.946	(1.075)	290534	25.0000	25.71
	52 4-Nitroaniline	138	13.048	13.048	(1.084)	132687	25.0000	24.31
	53 4,6-Dinitro-2-methylphenol	198	13.128	13.128	(0.913)	248218	50.0000	49.37
	54 N-Nitrosodiphenylamine	169	13.165	13.165	(0.915)	440754	25.0000	25.35
$	55 2,4,6-Tribromophenol	330	13.325	13.325	(1.107)	86827	25.0000	30.33
	56 4-Bromophenyl-phenylether	248	13.715	13.715	(0.954)	200727	25.0000	26.96
	57 Hexachlorobenzene	284	13.918	13.918	(0.968)	217941	25.0000	27.78
	58 Pentachlorophenol	266	14.233	14.233	(0.990)	110108	25.0000	23.75
*	59 Phenanthrene-d10	188	14.383	14.383	(1.000)	507730	20.0000	
	60 Phenanthrene	178	14.420	14.420	(1.003)	801003	25.0000	25.40
	61 Anthracene	178	14.490	14.490	(1.007)	837598	25.0000	25.71
	62 Carbazole	167	14.800	14.800	(1.029)	746753	25.0000	24.70
	63 Di-n-butylphthalate	149	15.553	15.553	(1.081)	954836	25.0000	25.77
	64 Fluoranthene	202	16.332	16.332	(1.136)	915591	25.0000	26.79
	65 Pyrene	202	16.680	16.680	(0.894)	899698	25.0000	25.77
$	66 Terphenyl-d14	244	17.032	17.032	(0.913)	547911	25.0000	26.68
	67 Butylbenzylphthalate	149	17.940	17.940	(0.962)	430848	25.0000	25.53
	68 Benzo(a)anthracene	228	18.629	18.629	(0.999)	893011	25.0000	26.65
*	69 Chrysene-d12	240	18.656	18.656	(1.000)	579626	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.672	18.672	(1.001)	299833	25.0000	27.58
	71 Chrysene	228	18.699	18.699	(1.002)	810828	25.0000	25.85
	72 bis(2-Ethylhexyl)phthalate	149	18.950	18.950	(0.953)	582810	25.0000	26.38
*	134 Di-n-octylphthalate-d4	153	19.879	19.879	(1.000)	696743	20.0000	
	73 Di-n-octylphthalate	149	19.890	19.890	(1.001)	947011	25.0000	25.08

	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	20.274	20.274	(0.975)	1028539	25.0000	27.59
75	Benzo(k)fluoranthene	252	20.306	20.306	(0.977)	888226	25.0000	23.08
187	Total Benzofluoranthenes	252	20.306	20.306	(0.977)	1797568	50.0000	50.13
76	Benzo(a)pyrene	252	20.707	20.707	(0.996)	882201	25.0000	25.12
* 77	Perylene-d12	264	20.787	20.787	(1.000)	556861	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	22.138	22.138	(1.065)	1129076	25.0000	24.03
79	Dibenzo(a,h)anthracene	278	22.165	22.165	(1.066)	894903	25.0000	24.79
80	Benzo(g,h,i)perylene	276	22.443	22.443	(1.080)	996876	25.0000	23.52
90	N-Nitrosodimethylamine	74	2.216	2.216	(0.311)	176661	25.0000	25.44
103	Pyridine	79	2.189	2.189	(0.307)	309060	25.0000	24.89
91	Aniline	93	6.697	6.697	(0.939)	388705	25.0000	24.72
105	1-methylnaphthalene	141	10.516	10.516	(1.143)	438781	25.0000	25.60
110	Tetrachloroguaiacol	247	14.367	14.367	(0.999)	210746	50.0000	53.84
109	3,4,5-Trichloroguaiacol	213	12.754	12.754	(0.887)	104377	25.0000	26.23(H)
181	3,4,6-Trichloroguaiacol	211	12.871	12.871	(1.804)	124071	25.0000	29.05
108	4,5,6-Trichloroguaiacol	213	13.785	13.785	(1.145)	107639	25.0000	27.29
184	3,4-Dichloroguaiacol	192	11.226	11.226	(1.573)	106932	25.0000	28.53
107	4,5-Dichloroguaiacol	192	12.028	12.028	(0.999)	258420	50.0000	52.16
182	4,6-Dichloroguaiacol	192	12.028	12.028	(1.686)	257293	50.0000	56.63
185	4-Chloroguaiacol	115	10.158	10.158	(1.424)	61249	12.5000	13.11(H)
106	Guaiacol	124	8.145	8.145	(1.141)	249846	25.0000	25.69

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: 08141001.D
Lab Smp Id: CC0814
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: CC0814
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	161123	-11.85
27 Naphthalene-d8	584137	292068	1168274	534987	-8.41
42 Acenaphthene-d10	320442	160221	640884	314167	-1.96
59 Phenanthrene-d10	503793	251896	1007586	507730	0.78
69 Chrysene-d12	532343	266172	1064686	579626	8.88
134 Di-n-octylphthala	719428	359714	1438856	696743	-3.15
77 Perylene-d12	517269	258634	1034538	556861	7.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	7.14	6.64	7.64	7.14	0.00
27 Naphthalene-d8	9.20	8.70	9.70	9.20	0.00
42 Acenaphthene-d10	12.04	11.54	12.54	12.04	0.00
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	0.00
69 Chrysene-d12	18.66	18.16	19.16	18.66	0.00
134 Di-n-octylphthala	19.88	19.38	20.38	19.88	0.00
77 Perylene-d12	20.79	20.29	21.29	20.79	0.00

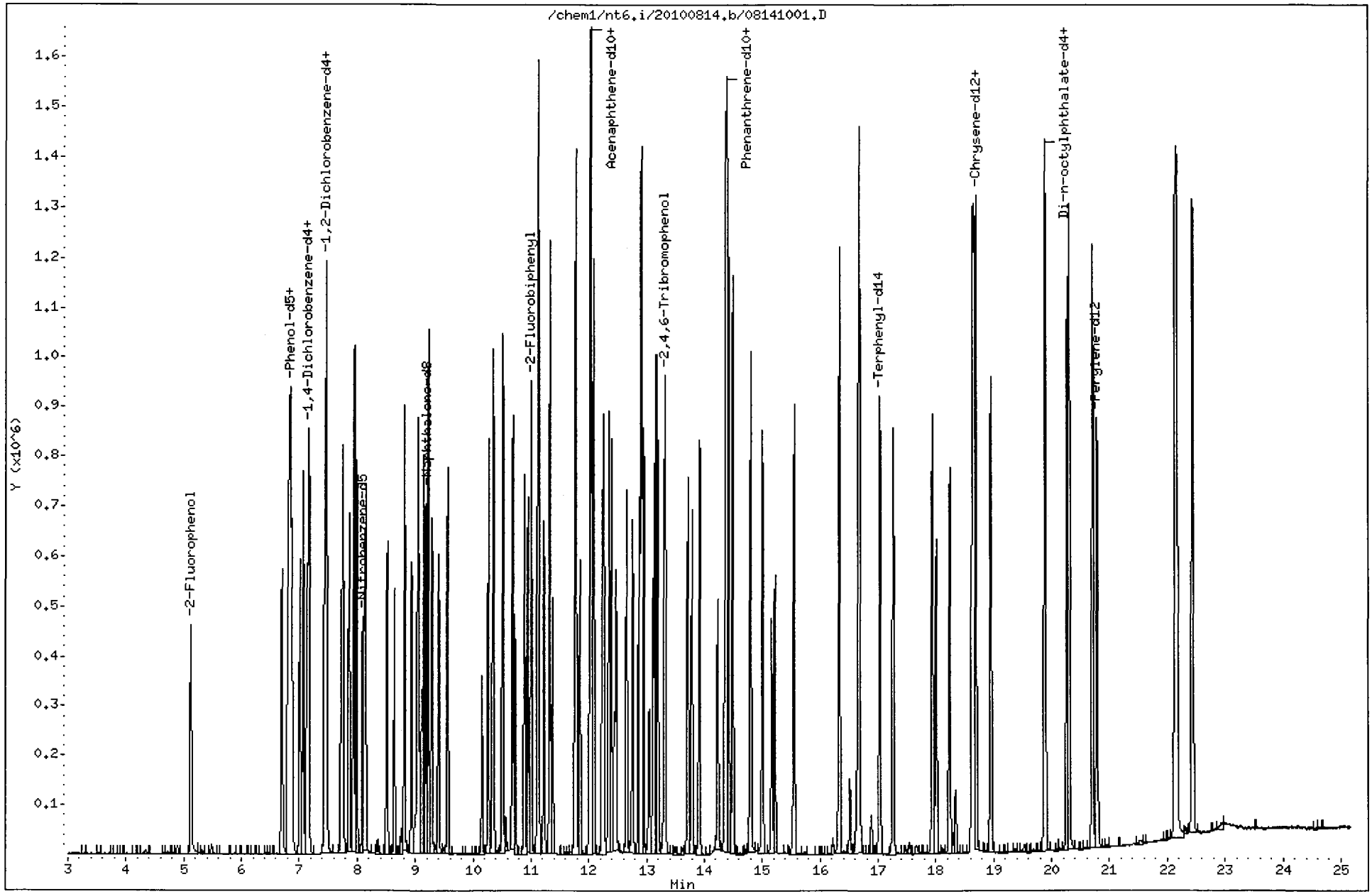
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100814.b/08141001.D
Date : 14-AUG-2010 11:45
Client ID: CC0814
Sample Info: CC0814

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32

Column phase: ZB-5msi



RG58:007750

Data File: /chem1/nt6.i/20100814.b/tune.b/08141001.D

Date : 14-AUG-2010 11:45

Client ID: DFTPP0814

Instrument: nt6.i

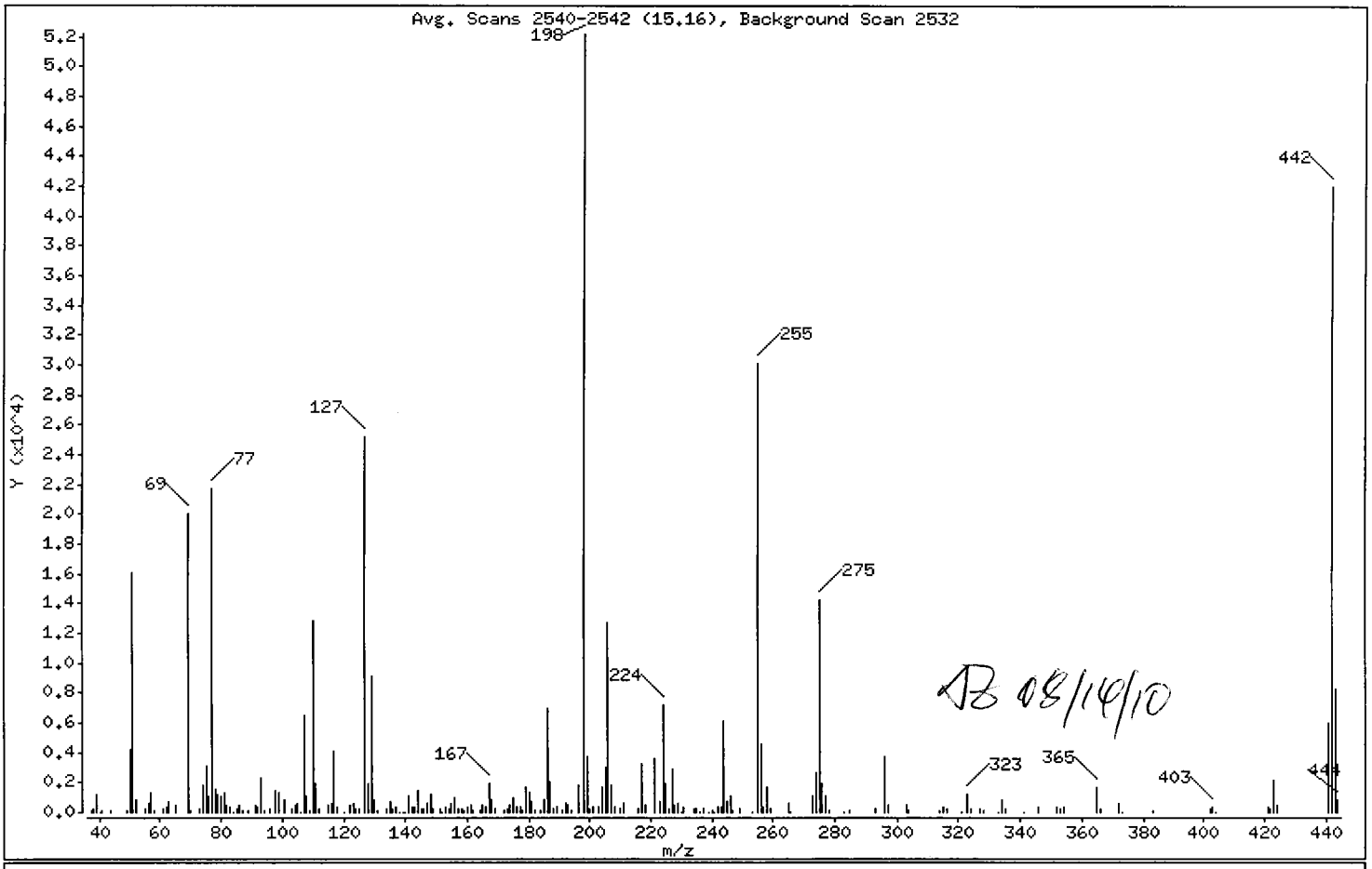
Sample Info: DFTPP0814

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	30.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.36
70	Less than 2.00% of mass 69	0.25 (0.66)
127	10.00 - 80.00% of mass 198	48.28
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.15
275	10.00 - 60.00% of mass 198	27.46
365	Greater than 1.00% of mass 198	3.25
441	0.01 - 24.00% of mass 442	11.54 (14.35)
442	50.00 - 200.00% of mass 198	80.42
443	15.00 - 24.00% of mass 442	15.86 (19.72)

Data File: /chem1/nt6.i/20100814.b/tune.b/08141001.D

Date : 14-AUG-2010 11:45

Client ID: DFTPP0814 Instrument: nt6.i

Sample Info: DFTPP0814

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08141001.D
Spectrum: Avg. Scans 2540-2542 (15.16), Background Scan 2532
Location of Maximum: 198.00
Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	65	116.00	653	180.00	1315	256.00	4612
38.00	257	117.00	4095	181.00	698	257.00	341
39.00	1226	118.00	326	182.00	71	258.00	1651
40.00	54	120.00	51	184.00	139	259.00	273
41.00	131	122.00	478	185.00	828	265.00	628
44.00	64	123.00	595	186.00	6924	266.00	55
49.00	108	124.00	248	187.00	2025	273.00	1041
50.00	4213	125.00	232	188.00	210	274.00	2622
51.00	16022	127.00	25192	189.00	357	275.00	14331
52.00	844	128.00	1912	191.00	124	276.00	1968
55.00	240	129.00	9169	192.00	550	277.00	1102
56.00	580	130.00	822	193.00	522	278.00	62
57.00	1329	131.00	178	194.00	116	283.00	53
58.00	115	134.00	257	196.00	1808	285.00	145
61.00	249	135.00	721	198.00	52184	293.00	283
62.00	314	136.00	255	199.00	3730	296.00	3704
63.00	775	137.00	369	200.00	282	297.00	495
65.00	511	138.00	55	201.00	358	303.00	478
69.00	20016	139.00	54	203.00	418	304.00	116
70.00	132	140.00	55	204.00	1710	314.00	119
73.00	188	141.00	1106	205.00	3048	315.00	370
74.00	1745	142.00	348	206.00	12693	316.00	225
75.00	3071	143.00	319	207.00	1816	321.00	53
76.00	1064	144.00	1430	208.00	331	323.00	1169
77.00	21712	145.00	192	210.00	218	324.00	264
78.00	1548	146.00	220	211.00	550	327.00	219
79.00	1189	147.00	616	216.00	269	328.00	129
80.00	1034	148.00	1204	217.00	3228	333.00	59
81.00	1353	149.00	247	218.00	434	334.00	802
82.00	421	151.00	235	221.00	3580	335.00	218
83.00	304	152.00	50	223.00	776	341.00	59
84.00	52	153.00	334	224.00	7216	346.00	324
85.00	270	154.00	261	225.00	1946	352.00	411
86.00	465	155.00	619	226.00	207	353.00	287
87.00	178	156.00	904	227.00	2908	354.00	351

Date : 14-AUG-2010 11:45

Client ID: DFTPP0814 Instrument: nt6.i

Sample Info: DFTPP0814

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08141001.D
Spectrum: Avg. Scans 2540-2542 (15,16), Background Scan 2532
Location of Maximum: 198.00
Number of points: 216

m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.00	112	157.00	233	228.00	467	365.00	1698
91.00	464	158.00	226	229.00	614	366.00	200
92.00	410	159.00	112	230.00	53	372.00	594
93.00	2245	160.00	305	231.00	334	373.00	59
94.00	110	161.00	501	234.00	208	383.00	169
96.00	199	162.00	179	235.00	198	402.00	277
98.00	1465	164.00	71	236.00	52	403.00	301
99.00	1372	165.00	511	237.00	287	404.00	53
101.00	875	166.00	356	239.00	53	421.00	315
103.00	250	167.00	1880	240.00	63	422.00	259
104.00	533	168.00	887	241.00	57	423.00	2140
105.00	551	169.00	197	242.00	395	424.00	448
106.00	55	172.00	170	243.00	386	441.00	6023
107.00	6441	173.00	266	244.00	6126	442.00	41968
108.00	1059	174.00	438	245.00	760	443.00	8277
109.00	91	175.00	948	246.00	1125	444.00	812
110.00	12779	176.00	313	247.00	165		
111.00	1883	177.00	410	249.00	191		
112.00	263	178.00	64	253.00	56		
115.00	536	179.00	1708	255.00	30160		

Data File: /chem1/nt6.i/20100814.b/tune.b/08141001.D

Date : 14-AUG-2010 11:45

Client ID: DFTPP0814

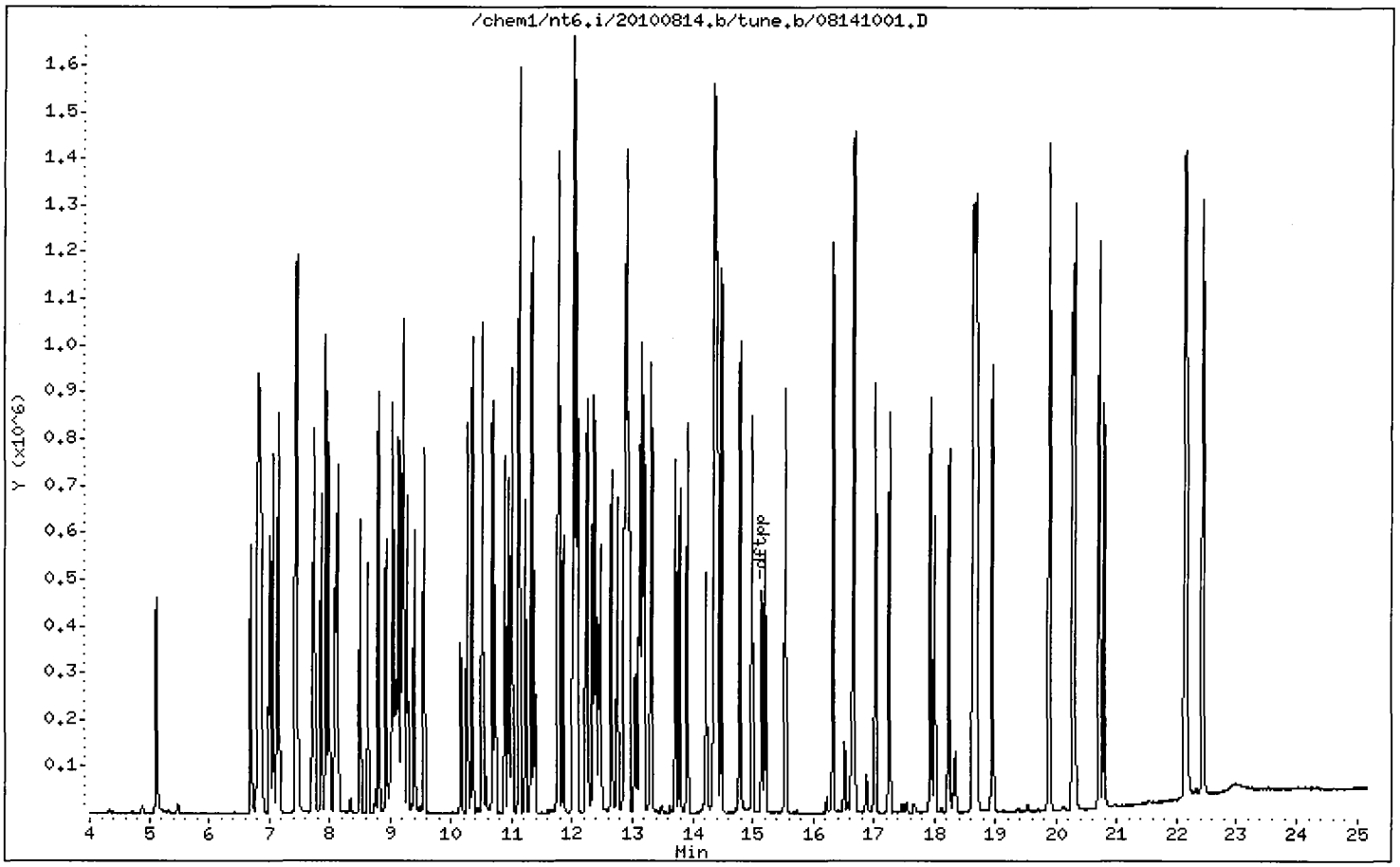
Instrument: nt6.i

Sample Info: DFTPP0814

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



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

Data file: /chem1/nt6.i/20100814.b/ddt.b/08141001.D ARI ID: CC0814
Method: /chem1/nt6.i/20100814.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 14-AUG-2010 11:45 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.233	110108
Benzidine	16.621	83006
4,4'-DDE	----	----
4,4'-DDD	17.540	9022
4,4'-DDT	18.004	243649

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

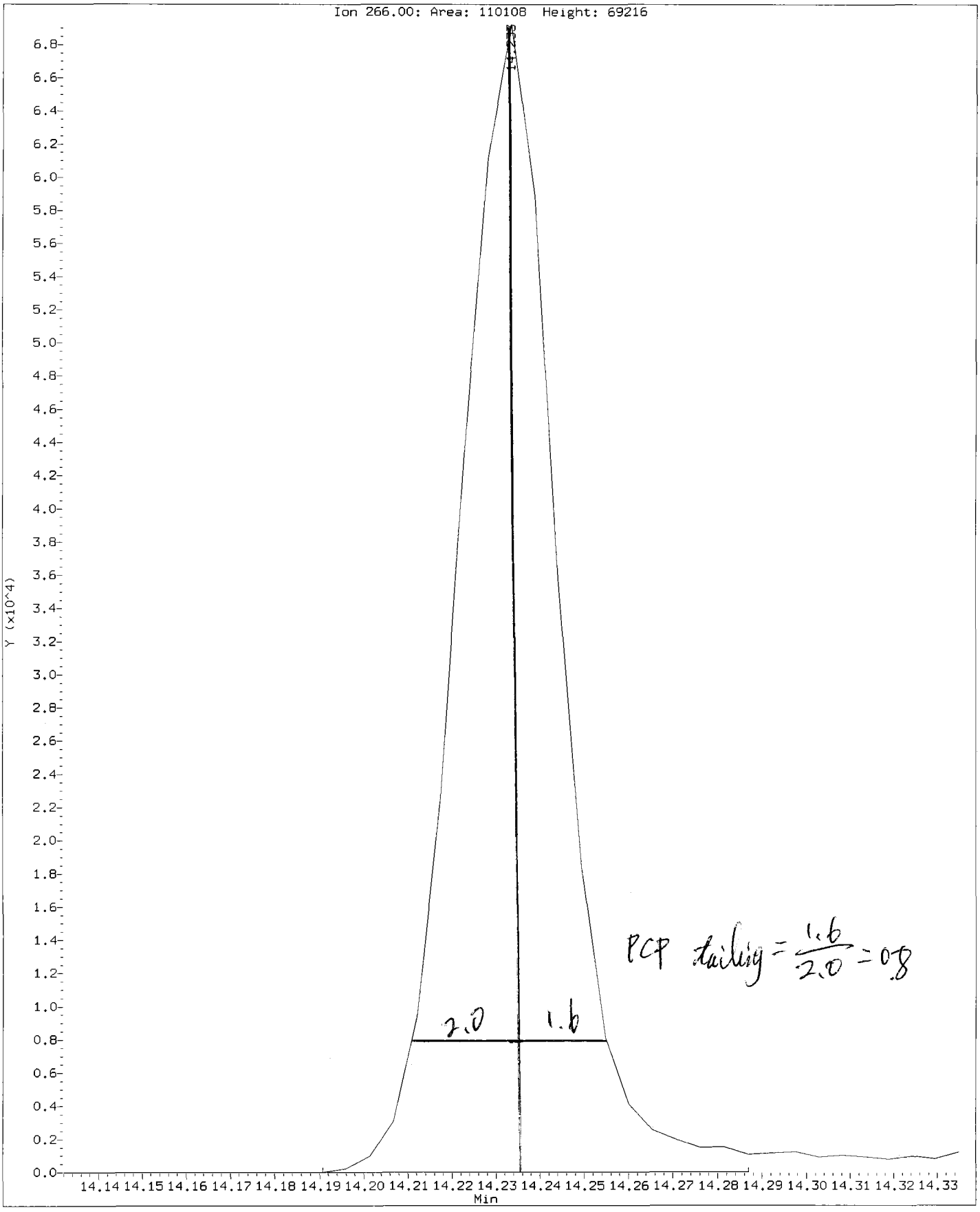
$$\text{DDT Percent Breakdown} = \frac{(0 + 9022) * 100}{(0 + 9022 + 243649)}$$

DDT Percent Breakdown = 3.6 %

08/14/10

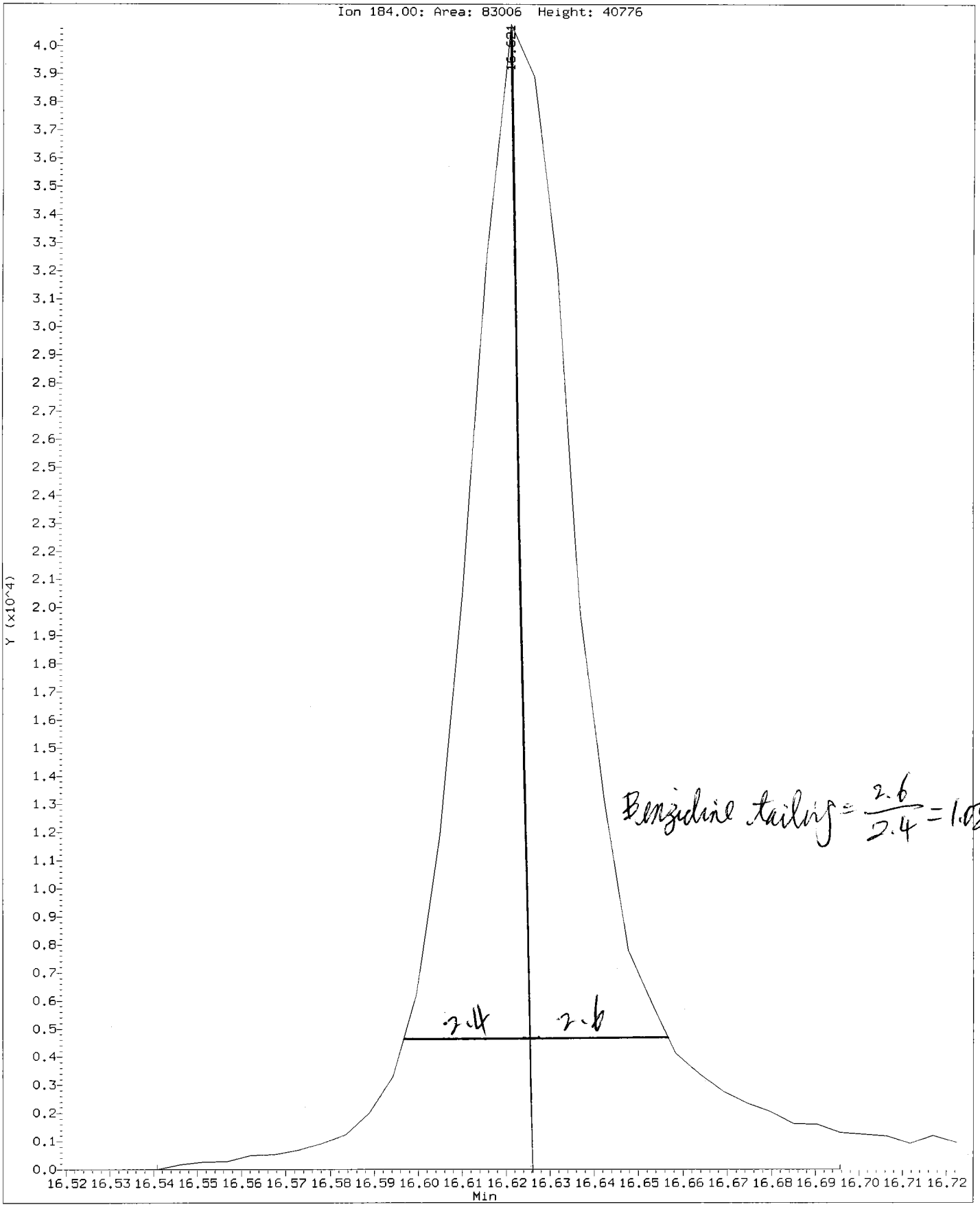
Data File: /chem1/nt6.i/20100814.b/ddt.b/08141001.D
Injection Date: 14-AUG-2010 11:45
Instrument: nt6.i
Client Sample ID: CC0814

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100814.b/ddt.b/08141001.D
Injection Date: 14-AUG-2010 11:45
Instrument: nt6.i
Client Sample ID: CC0814

Compound: Benzidine
CAS Number:



Benzidine tailing = $\frac{2.6}{2.4} = 1.08$

RG58 : 00757

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141002.D
Lab Smp Id: RG58G Client Smp ID: PSB23-0-0.5-072910
Inj Date : 14-AUG-2010 12:19
Operator : JZ Inst ID: nt6.i
Smp Info : RG58G
Misc Info : 10-18242
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

CB 08/17/10

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	27.90000	Weight of sample extracted (g)
M	6.50000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.189	9.197	(1.000)	609707	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	10.999	11.007	(0.914)	391363	15.6281	299.5
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.030	12.038	(1.000)	357717	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.380	14.383	(1.000)	581514	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	16.330	16.332	(1.136)	35116	0.89720	17.20
65 Pyrene	202	16.671	16.680	(0.894)	41280	1.00300	19.22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.029	17.032	(0.913)	310307	12.8183	245.7
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.653	18.656	(1.000)	683358	20.0000	
	71 Chrysene	228	18.685	18.699	(1.002)	22986	0.62164	11.91
	187 Total Benzofluoranthenes	252	20.266	20.306	(0.975)	41134	0.91629	17.56(a)
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.795	20.787	(1.000)	697178	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.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141002.D
Lab Smp Id: RG58G
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18242

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-0-0.5-0729
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	609707	4.38
42 Acenaphthene-d10	320442	160221	640884	357717	11.63
59 Phenanthrene-d10	503793	251896	1007586	581514	15.43
69 Chrysene-d12	532343	266172	1064686	683358	28.37
77 Perylene-d12	517269	258634	1034538	697178	34.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.09
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.02
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.02
77 Perylene-d12	20.79	20.29	21.29	20.79	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.

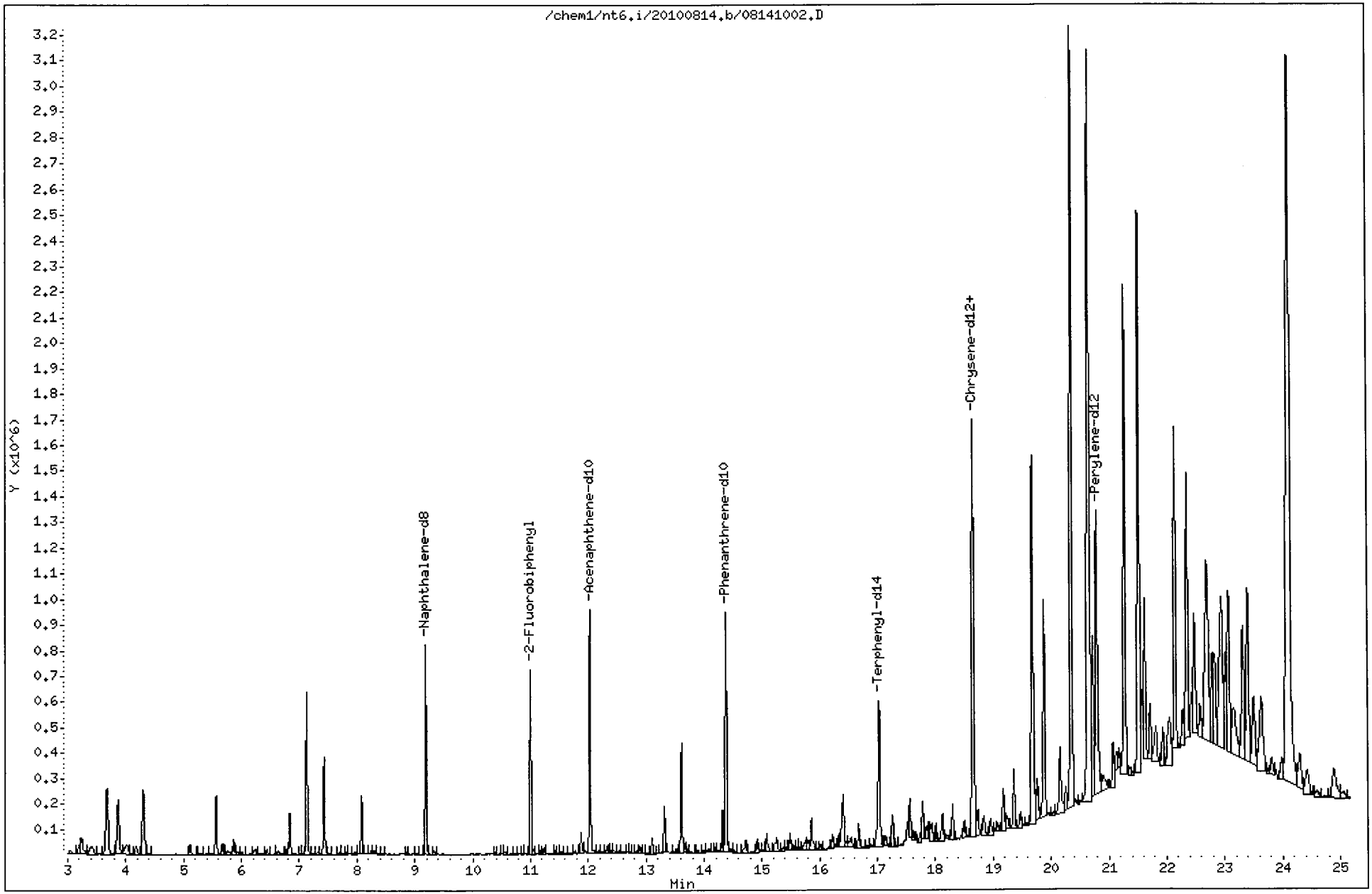
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58G
Client Smp ID: PSB23-0-0.5-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18242

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	479.2	299.5	62.51	34-100
$ 66 Terphenyl-d14	479.2	245.7	51.27	35-112

Data File: /chem1/nt6.i/20100814.b/08141002.D
Date : 14-AUG-2010 12:19
Client ID: PSB23-0-0.5-072910
Sample Info: RG58G
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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



RG58 : 90762

Data File: /chem1/nt6.i/20100814.b/08141002.D

Date : 14-AUG-2010 12:19

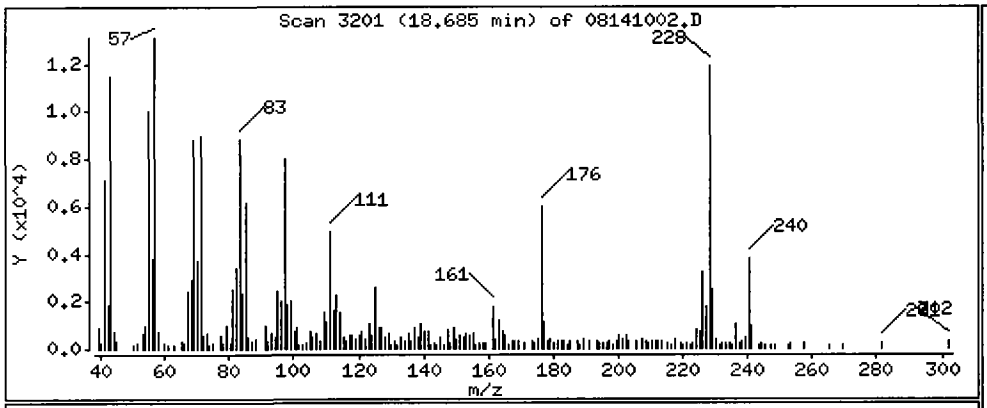
Client ID: PSB23-0-0.5-072910 Instrument: nt6.i

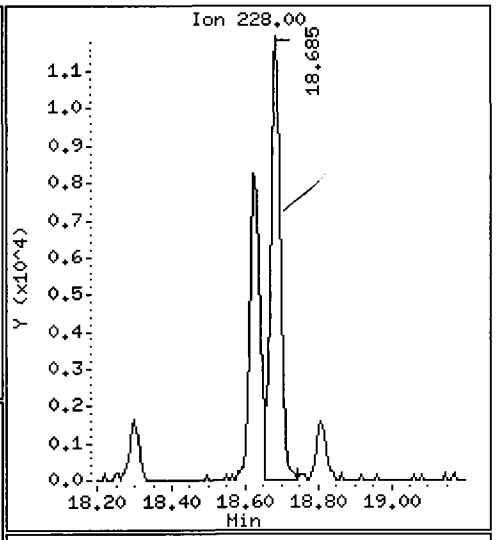
Sample Info: RG58G

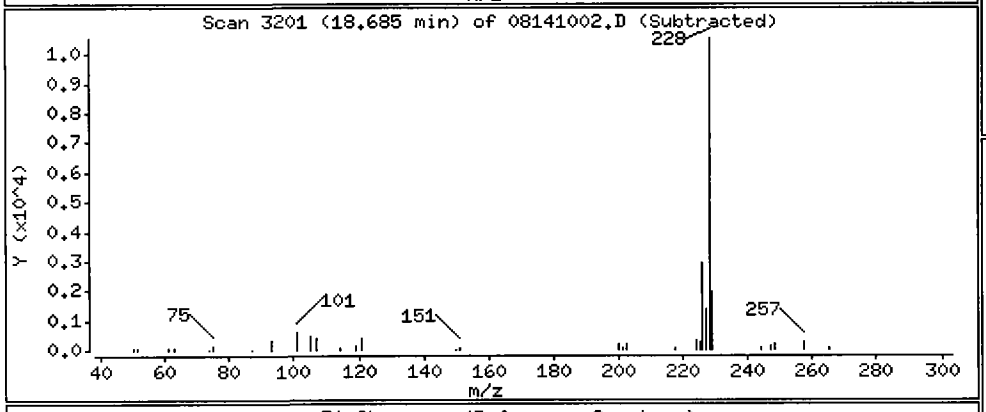
Volume Injected (uL): 1.0 Operator: JZ

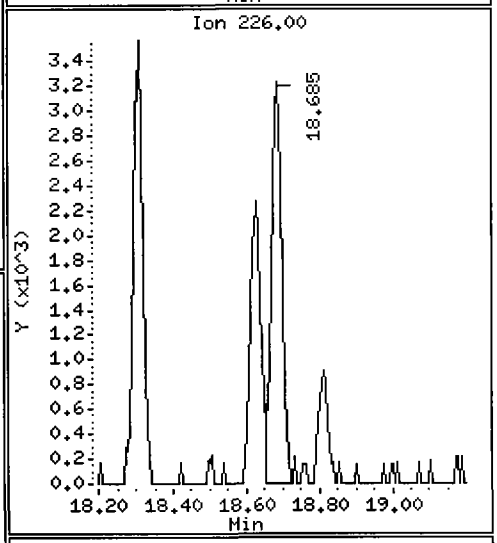
Column phase: ZB-5msi Column diameter: 0.32

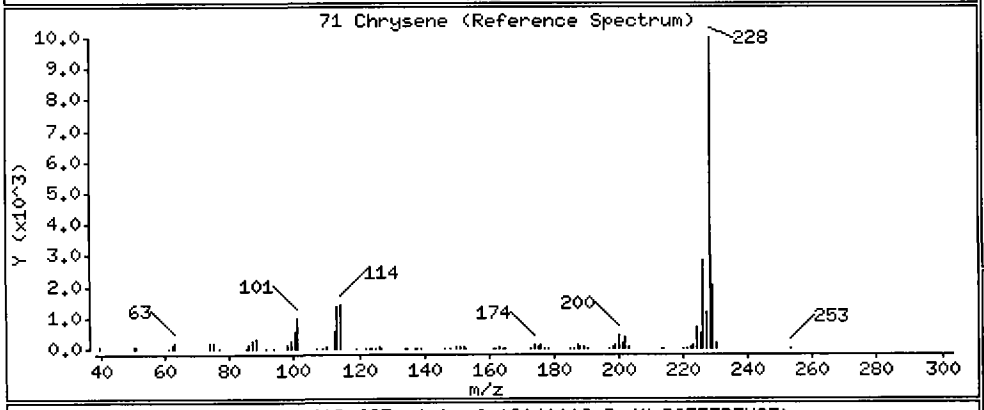
71 Chrysene Concentration: 11.91 ug/kg

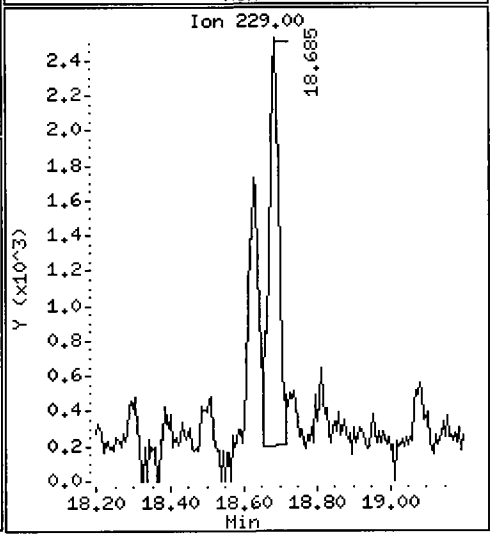


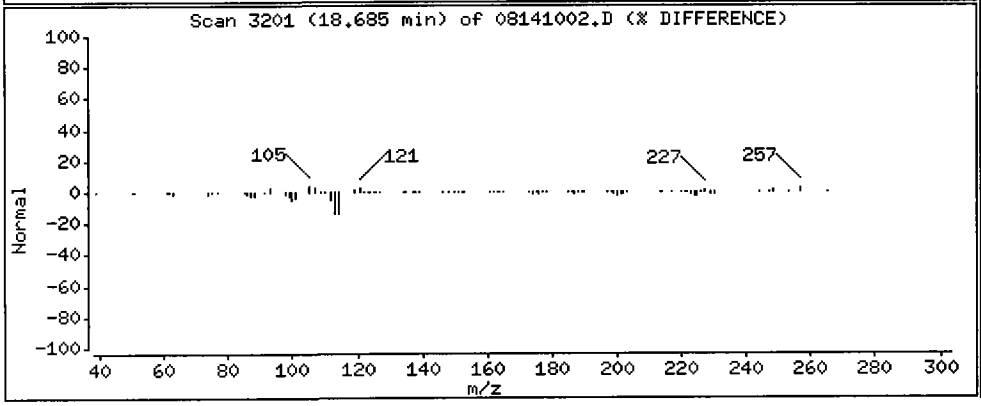












Data File: /chem1/nt6.i/20100814.b/08141002.D

Date : 14-AUG-2010 12:19

Client ID: PSB23-0-0.5-072910 Instrument: nt6.i

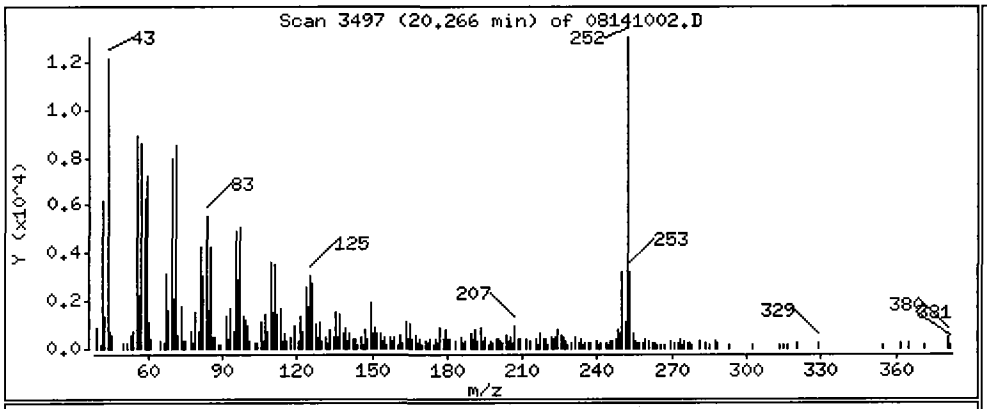
Sample Info: RG58G

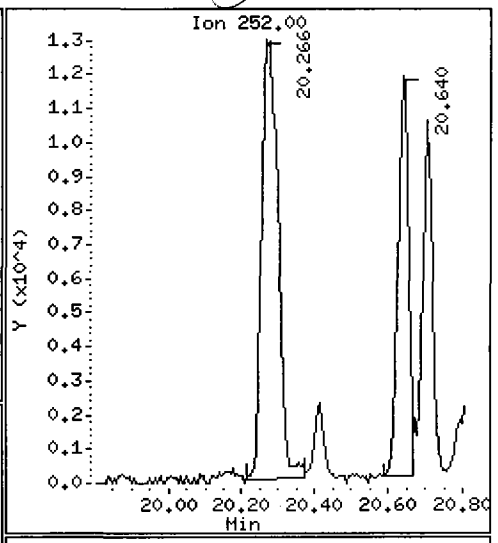
Volume Injected (uL): 1.0 Operator: JZ

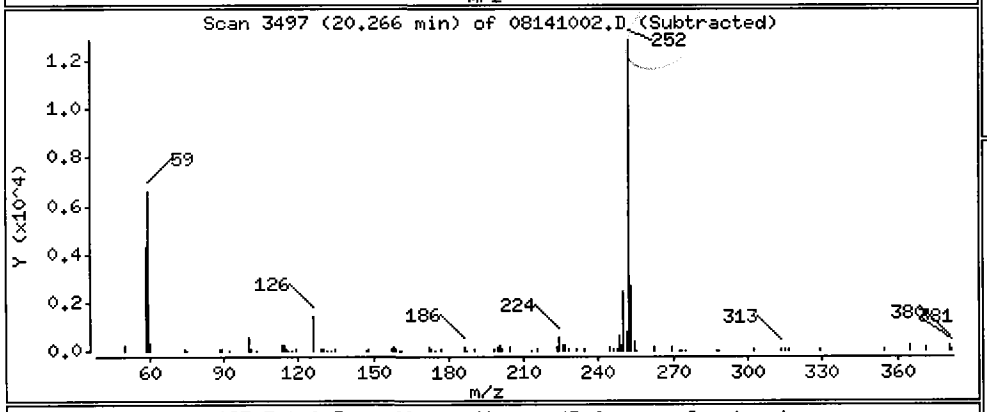
Column phase: ZB-5msi Column diameter: 0.32

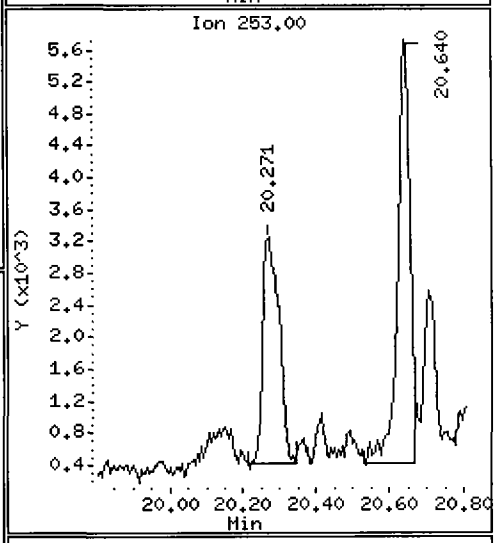
187 Total Benzofluoranthenes Concentration: 17.56 ug/kg

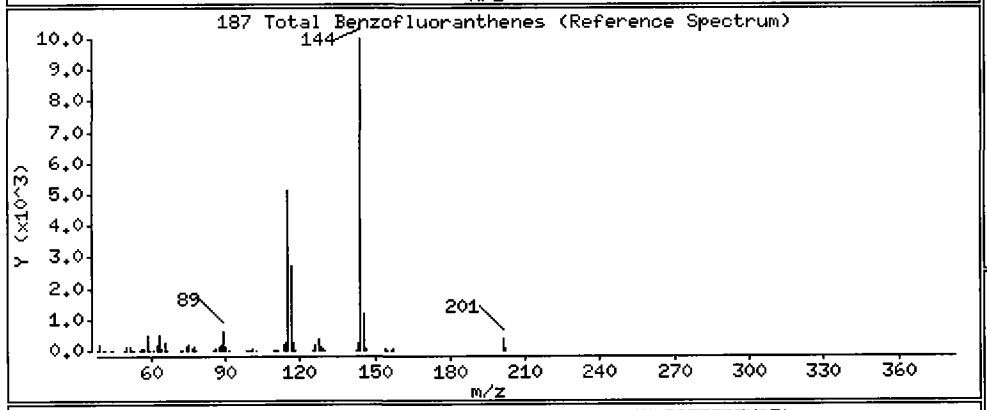
JURL

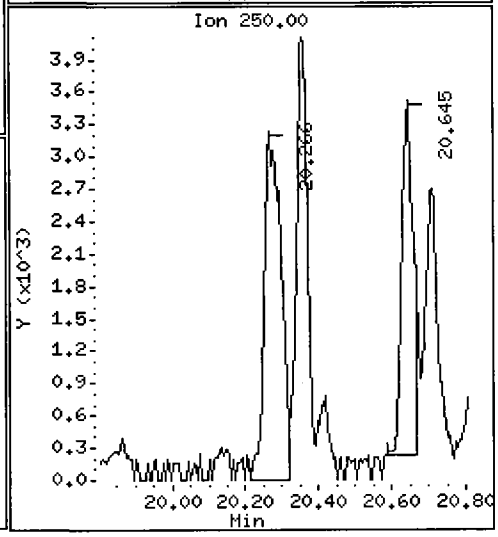


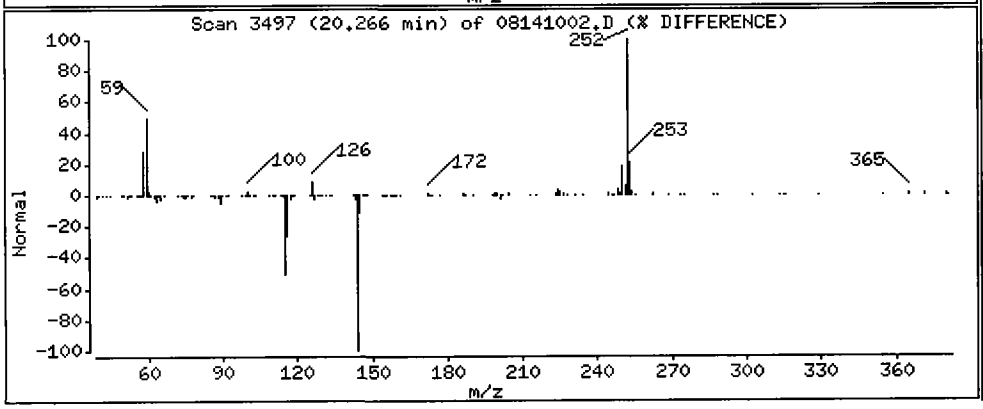












Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141003.D
Lab Smp Id: RG58Q Client Smp ID: PSB24-4-6-072910
Inj Date : 14-AUG-2010 12:52
Operator : JZ Inst ID: nt6.i
Smp Info : RG58Q
Misc Info : 10-18252
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	28.50000	Weight of sample extracted (g)
M	7.50000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.189	9.197	(1.000)	651377	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	444625	16.5103	313.1
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.031	12.038	(1.000)	384687	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.381	14.383	(1.000)	620079	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	513641	20.5600	389.9
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.654	18.656	(1.000)	705221	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.790	20.787	(1.000)	669507	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141003.D
Lab Smp Id: RG58Q
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18252

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-4-6-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	651377	11.51
42 Acenaphthene-d10	320442	160221	640884	384687	20.05
59 Phenanthrene-d10	503793	251896	1007586	620079	23.08
69 Chrysene-d12	532343	266172	1064686	705221	32.47
77 Perylene-d12	517269	258634	1034538	669507	29.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.08
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.02
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.01
77 Perylene-d12	20.79	20.29	21.29	20.79	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.

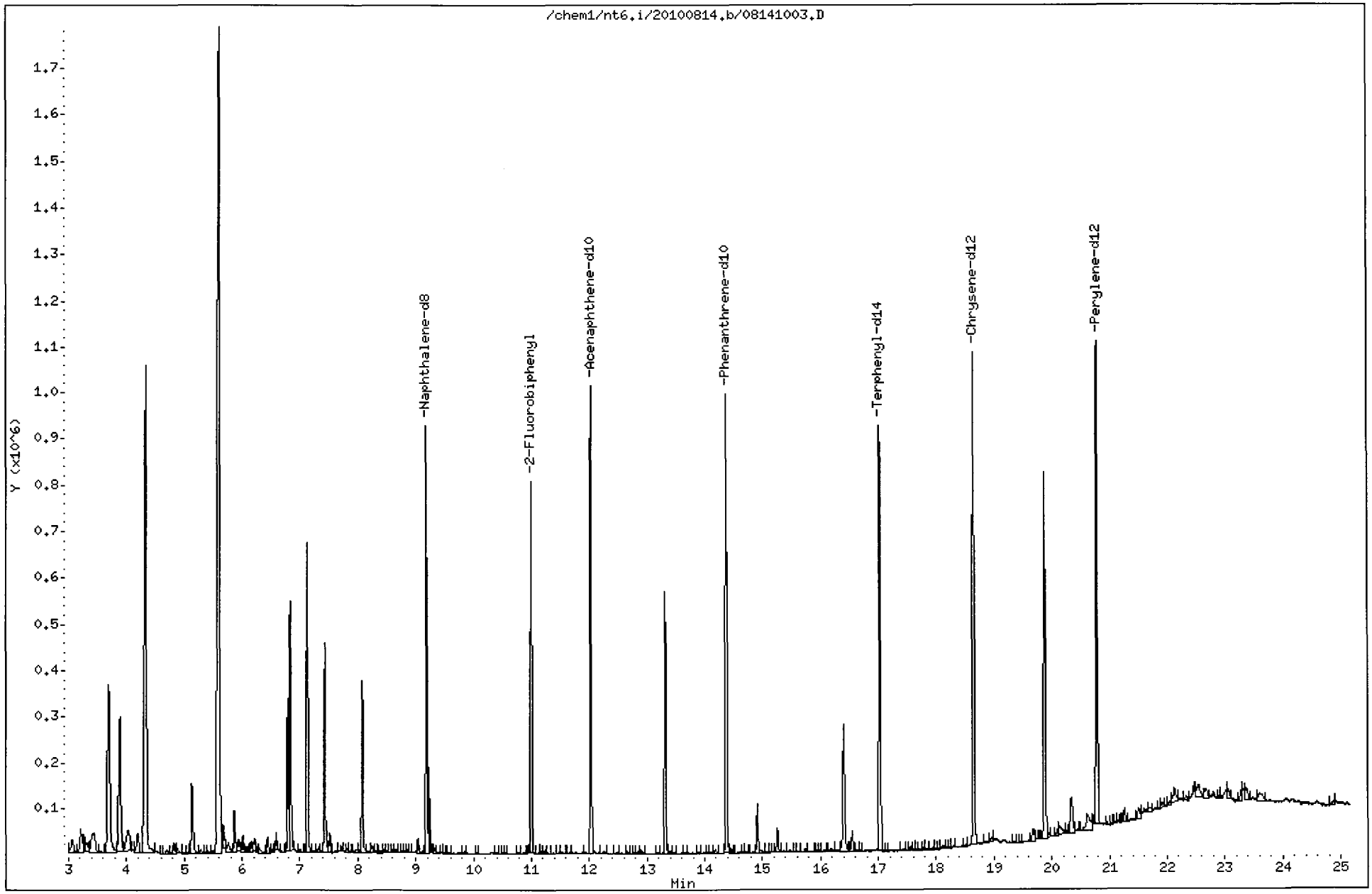
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58Q
Client Smp ID: PSB24-4-6-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18252

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	474.2	313.1	66.04	34-100
$ 66 Terphenyl-d14	474.2	389.9	82.24	35-112

Data File: /chem1/nt6.i/20100814.b/08141003.D
Date : 14-AUG-2010 12:52
Client ID: PSB24-4-6-072910
Sample Info: RG58Q
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141006.D
Lab Smp Id: RG58IMS Client Smp ID: PSB23-2-4-07291 MS
Inj Date : 14-AUG-2010 15:37
Operator : JZ Inst ID: nt6.i
Smp Info : RG58IMS
Misc Info : 10-18244
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 14-Aug-2010 17:01 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 6 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

D 08/12/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.187	9.197	(1.000)	631717	20.0000	
28 Naphthalene	128	9.219	9.224	(1.003)	508557	14.2437	949.6
32 2-Methylnaphthalene	141	10.346	10.345	(1.126)	313338	15.9912	1066
105 1-methylnaphthalene	141	10.511	10.516	(1.144)	315018	15.5643	1038
$ 36 2-Fluorobiphenyl	172	11.002	11.007	(0.914)	474297	18.4330	1229
40 Acenaphthylene	152	11.782	11.782	(0.979)	619630	16.3804	1092
* 42 Acenaphthene-d10	164	12.033	12.038	(1.000)	367554	20.0000	
44 Acenaphthene	153	12.081	12.086	(1.004)	361862	15.3183	1021
46 Dibenzofuran	168	12.343	12.348	(1.026)	553307	17.6337	1176
49 Fluorene	166	12.893	12.898	(1.071)	454650	17.0068	1134
* 59 Phenanthrene-d10	188	14.378	14.383	(1.000)	610711	20.0000	
60 Phenanthrene	178	14.415	14.420	(1.003)	628349	16.5639	1104
61 Anthracene	178	14.485	14.490	(1.007)	634115	16.1814	1079
64 Fluoranthene	202	16.333	16.332	(1.136)	736551	17.9189	1195
65 Pyrene	202	16.675	16.680	(0.894)	749210	17.8838	1192

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$ 66 Terphenyl-d14	244	17.033	17.032	(0.913)	524635	21.2907	1419
68 Benzo(a)anthracene	228	18.630	18.629	(0.999)	726298	18.0624	1204
* 69 Chrysene-d12	240	18.656	18.656	(1.000)	695593	20.0000	
71 Chrysene	228	18.694	18.699	(1.002)	674562	17.9220	1195
187 Total Benzofluoranthenes	252	20.307	20.306	(0.977)	1547122	33.8710	2258
76 Benzo(a)pyrene	252	20.713	20.707	(0.996)	679410	15.1883	1013
* 77 Perylene-d12	264	20.793	20.787	(1.000)	709373	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	22.139	22.138	(1.065)	977628	16.3368	1089
79 Dibenzo(a,h)anthracene	278	22.171	22.165	(1.066)	767039	16.6801	1112
80 Benzo(g,h,i)perylene	276	22.443	22.443	(1.079)	844335	15.6412	1043

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141006.D
Lab Smp Id: RG58IMS
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18244

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-2-4-07291
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	631717	8.15
42 Acenaphthene-d10	320442	160221	640884	367554	14.70
59 Phenanthrene-d10	503793	251896	1007586	610711	21.22
69 Chrysene-d12	532343	266172	1064686	695593	30.67
77 Perylene-d12	517269	258634	1034538	709373	37.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.11
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.04
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.03
69 Chrysene-d12	18.66	18.16	19.16	18.66	0.00
77 Perylene-d12	20.79	20.29	21.29	20.79	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: FSI
Sample Matrix: SOLID
Lab Smp Id: RG58IMS
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18244

Client SDG: RG58
Fraction: SV
Client Smp ID: PSB23-2-4-07291 MS
Operator: JZ
SampleType: MS
Quant Type: ISTD

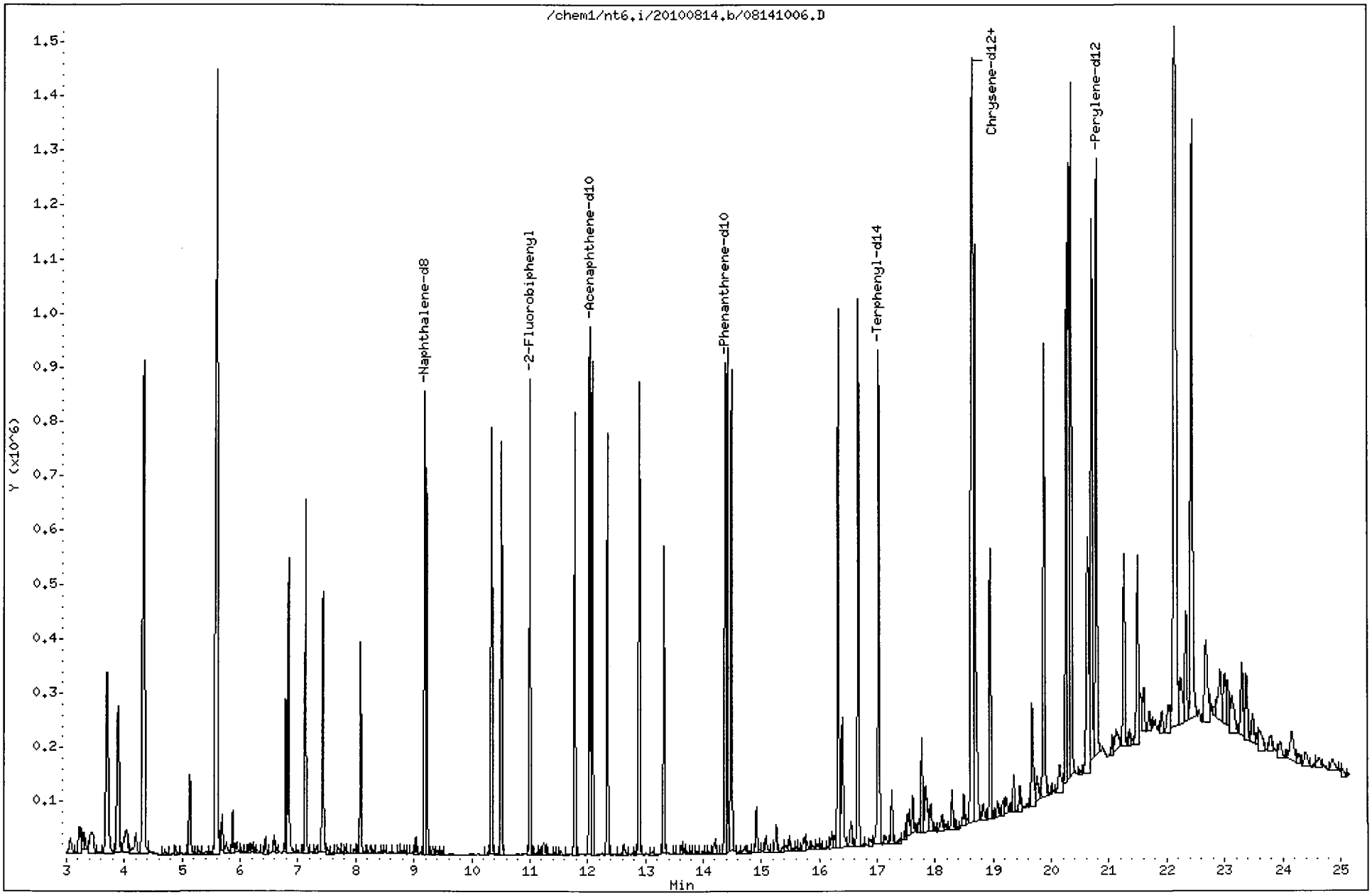
SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
28 Naphthalene	1667	949.6	56.97	37-100
32 2-Methylnaphthalen	1667	1066	63.96	43-101
105 1-methylnaphthalen	1667	1038	62.26	39-100
40 Acenaphthylene	1667	1092	65.52	44-100
44 Acenaphthene	1667	1021	61.27	41-100
46 Dibenzofuran	1667	1176	70.53	44-100
49 Fluorene	1667	1134	68.03	49-100
60 Phenanthrene	1667	1104	66.26	48-100
61 Anthracene	1667	1079	64.73	50-100
64 Fluoranthene	1667	1195	71.68	54-100
65 Pyrene	1667	1192	71.54	41-105
68 Benzo(a)anthracene	1667	1204	72.25	49-100
71 Chrysene	1667	1195	71.69	50-100
187 Total Benzofluoran	3333	2258	67.74	30-160
76 Benzo(a)pyrene	1667	1013	60.75	50-100
78 Indeno(1,2,3-cd)py	1667	1089	65.35	33-101
79 Dibenzo(a,h)anthra	1667	1112	66.72	37-104
80 Benzo(g,h,i)peryle	1667	1043	62.56	33-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1229	73.73	34-100
$ 66 Terphenyl-d14	1667	1419	85.16	35-112

Data File: /chem1/nt6.i/20100814.b/08141006.D
Date : 14-AUG-2010 15:37
Client ID: PSB23-2-4-07291 MS
Sample Info: RG58IMS
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:09714



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141007.D
Lab Smp Id: RG58IMSD Client Smp ID: PSB23-2-4-07291 MSD
Inj Date : 14-AUG-2010 16:10
Operator : JZ Inst ID: nt6.i
Smp Info : RG58IMSD
Misc Info : 10-18244
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 14-Aug-2010 17:01 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 7 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/14/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.189	9.197	(1.000)	625717	20.0000	
28 Naphthalene	128	9.221	9.224	(1.003)	502277	14.2027	946.8
32 2-Methylnaphthalene	141	10.343	10.345	(1.126)	307868	15.8627	1058
105 1-methylnaphthalene	141	10.514	10.516	(1.144)	309245	15.4256	1028
$ 36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	454779	17.9235	1195
40 Acenaphthylene	152	11.779	11.782	(0.979)	609567	16.3414	1089
* 42 Acenaphthene-d10	164	12.030	12.038	(1.000)	362448	20.0000	
44 Acenaphthene	153	12.084	12.086	(1.004)	357367	15.3411	1023
46 Dibenzofuran	168	12.346	12.348	(1.026)	544132	17.5856	1172
49 Fluorene	166	12.896	12.898	(1.072)	450289	17.0809	1139
* 59 Phenanthrene-d10	188	14.381	14.383	(1.000)	600899	20.0000	
60 Phenanthrene	178	14.418	14.420	(1.003)	624732	16.7375	1116
61 Anthracene	178	14.487	14.490	(1.007)	628106	16.2897	1086
64 Fluoranthene	202	16.335	16.332	(1.136)	728175	18.0044	1200
65 Pyrene	202	16.677	16.680	(0.894)	739582	18.2433	1216

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	495368	20.7741	1385
	68 Benzo(a)anthracene	228	18.632	18.629	(0.999)	713504	18.3365	1222
*	69 Chrysene-d12	240	18.659	18.656	(1.000)	673123	20.0000	
	71 Chrysene	228	18.696	18.699	(1.002)	646471	17.7491	1183
	187 Total Benzofluoranthenes	252	20.304	20.306	(0.977)	1494453	33.8108	2254
	76 Benzo(a)pyrene	252	20.710	20.707	(0.996)	651377	15.0480	1003
*	77 Perylene-d12	264	20.790	20.787	(1.000)	686443	20.0000	
	78 Indeno(1,2,3-cd)pyrene	276	22.141	22.138	(1.065)	932620	16.1052	1074
	79 Dibenzo(a,h)anthracene	278	22.168	22.165	(1.066)	731271	16.4335	1096
	80 Benzo(g,h,i)perylene	276	22.440	22.443	(1.079)	812282	15.5501	1037

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141007.D
Lab Smp Id: RG58IMSD
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18244

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-2-4-07291
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	625717	7.12
42 Acenaphthene-d10	320442	160221	640884	362448	13.11
59 Phenanthrene-d10	503793	251896	1007586	600899	19.27
69 Chrysene-d12	532343	266172	1064686	673123	26.45
77 Perylene-d12	517269	258634	1034538	686443	32.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.08
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.02
69 Chrysene-d12	18.66	18.16	19.16	18.66	0.02
77 Perylene-d12	20.79	20.29	21.29	20.79	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

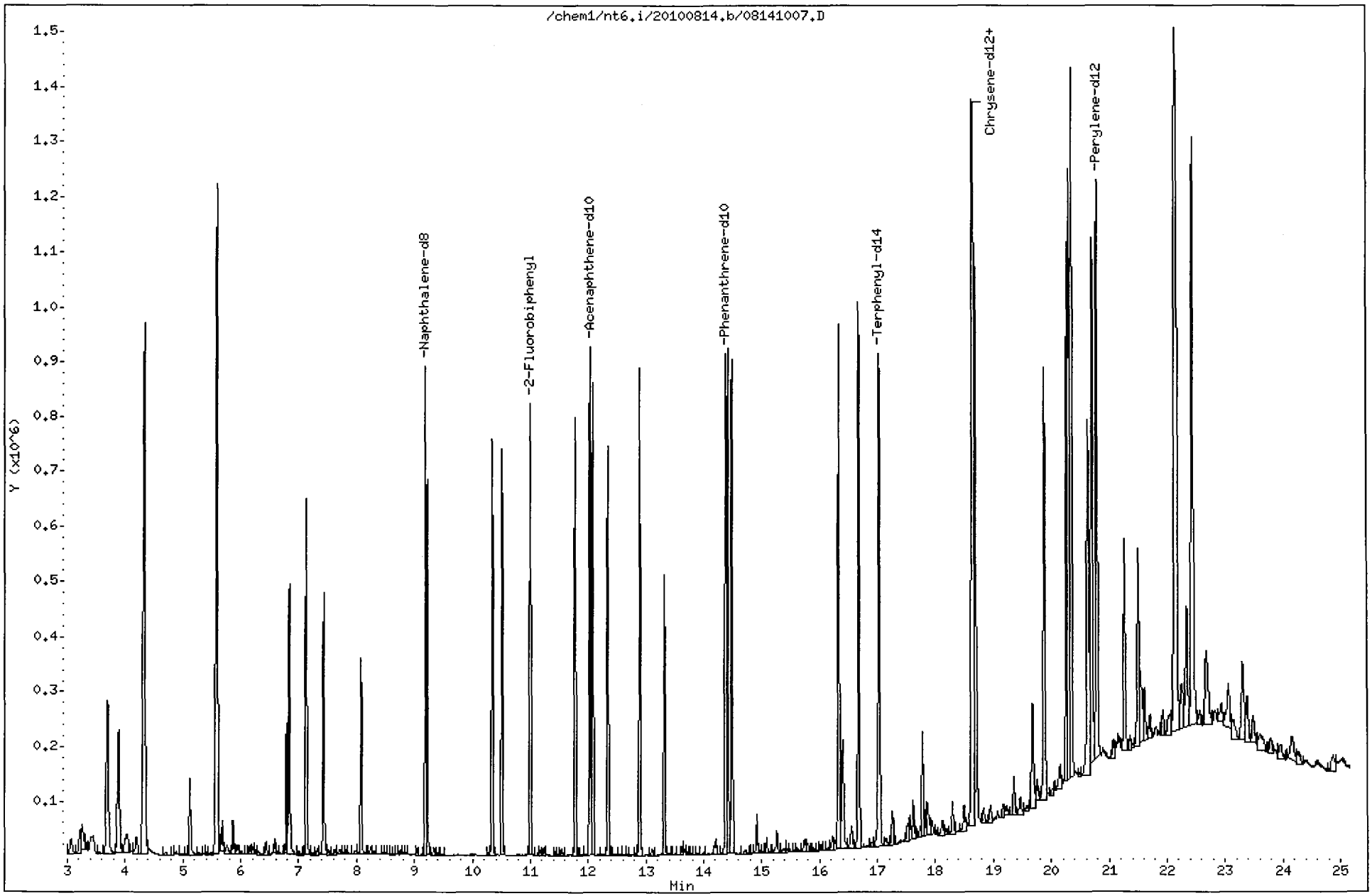
Client Name: FSI
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58IMSD
Client Smp ID: PSB23-2-4-07291 MSD
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: MSD
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18244

SPIKE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
28 Naphthalene	1667	946.8	56.81	37-100
32 2-Methylnaphthalen	1667	1058	63.45	43-101
105 1-methylnaphthalen	1667	1028	61.70	39-100
40 Acenaphthylene	1667	1089	65.37	44-100
44 Acenaphthene	1667	1023	61.36	41-100
46 Dibenzofuran	1667	1172	70.34	44-100
49 Fluorene	1667	1139	68.32	49-100
60 Phenanthrene	1667	1116	66.95	48-100
61 Anthracene	1667	1086	65.16	50-100
64 Fluoranthene	1667	1200	72.02	54-100
65 Pyrene	1667	1216	72.97	41-105
68 Benzo(a)anthracene	1667	1222	73.35	49-100
71 Chrysene	1667	1183	71.00	50-100
187 Total Benzofluoran	3333	2254	67.62	30-160
76 Benzo(a)pyrene	1667	1003	60.19	50-100
78 Indeno(1,2,3-cd)py	1667	1074	64.42	33-101
79 Dibenzo(a,h)anthra	1667	1096	65.73	37-104
80 Benzo(g,h,i)peryle	1667	1037	62.20	33-107

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1195	71.69	34-100
$ 66 Terphenyl-d14	1667	1385	83.10	35-112

Data File: /chem1/nt6.i/20100814.b/08141007.D
Date : 14-AUG-2010 16:10
Client ID: PSB23-2-4-07291 MSD
Sample Info: RG58IMSD
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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



RG58 : 06779

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141009.D
Lab Smp Id: RG58J Client Smp ID: PSB23-4-6-072910
Inj Date : 14-AUG-2010 17:16
Operator : JZ Inst ID: nt6.i
Smp Info : RG58J
Misc Info : 10-18245
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	7.50000	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)
* 27	Naphthalene-d8	136	9.184	9.197	(1.000)	583051	20.0000	
28	Naphthalene	128	Compound Not Detected.					
32	2-Methylnaphthalene	141	Compound Not Detected.					
105	1-methylnaphthalene	141	Compound Not Detected.					
$ 36	2-Fluorobiphenyl	172	11.000	11.007	(0.914)	436607	18.4309	1229
40	Acenaphthylene	152	Compound Not Detected.					
* 42	Acenaphthene-d10	164	12.031	12.038	(1.000)	338386	20.0000	
44	Acenaphthene	153	Compound Not Detected.					
46	Dibenzofuran	168	Compound Not Detected.					
49	Fluorene	166	Compound Not Detected.					
* 59	Phenanthrene-d10	188	14.376	14.383	(1.000)	552970	20.0000	
60	Phenanthrene	178	Compound Not Detected.					
61	Anthracene	178	Compound Not Detected.					
64	Fluoranthene	202	Compound Not Detected.					
65	Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	364317	16.3828	1092
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.649	18.656	(1.000)	627739	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.785	20.787	(1.000)	618942	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141009.D
Lab Smp Id: RG58J
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18245

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-4-6-07291(
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	583051	-0.19
42 Acenaphthene-d10	320442	160221	640884	338386	5.60
59 Phenanthrene-d10	503793	251896	1007586	552970	9.76
69 Chrysene-d12	532343	266172	1064686	627739	17.92
77 Perylene-d12	517269	258634	1034538	618942	19.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.18	-0.14
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.79	-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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58J
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18245

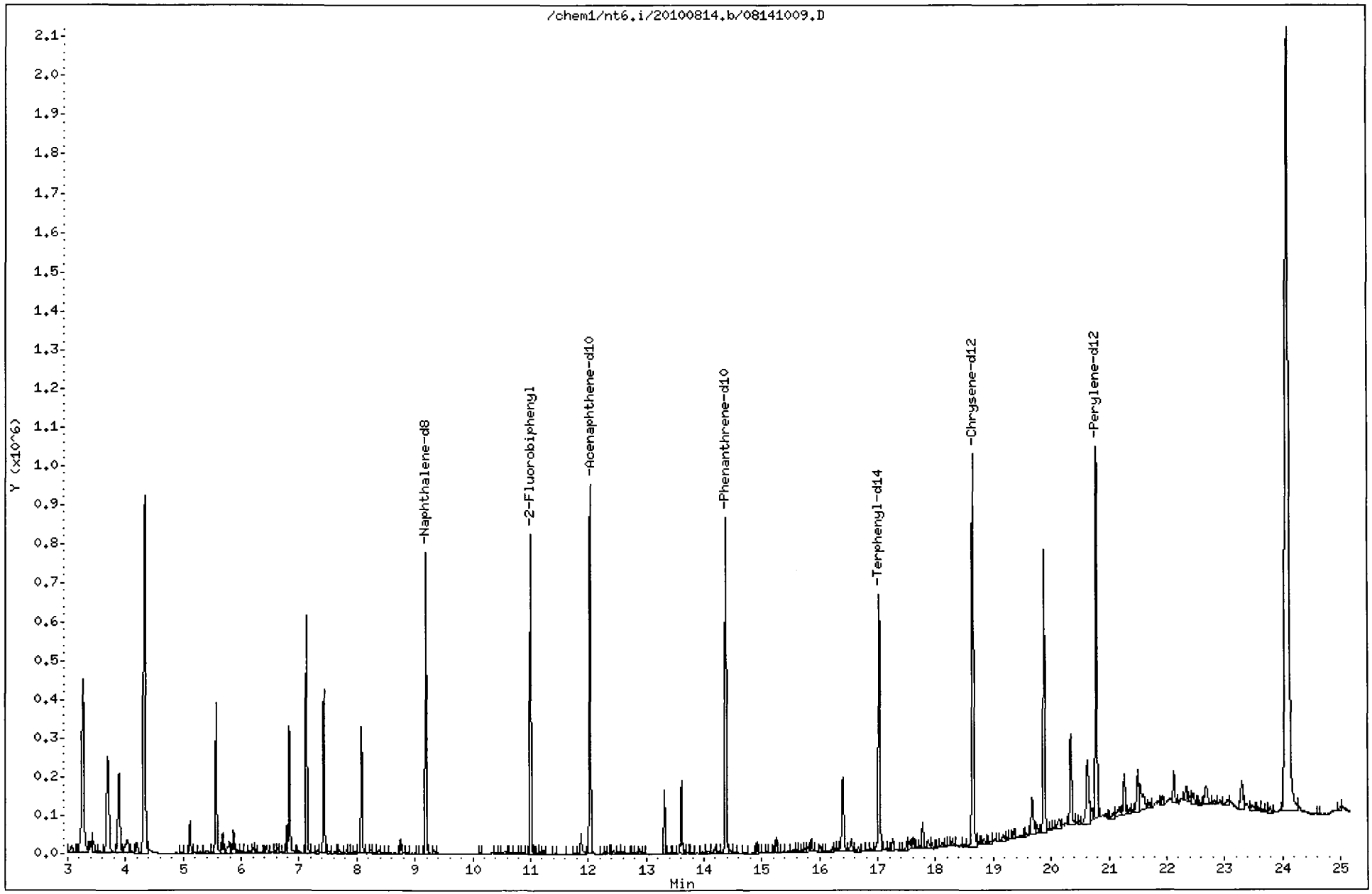
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB23-4-6-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1229	73.72	34-100
$ 66 Terphenyl-d14	1667	1092	65.53	35-112

Data File: /chem1/nt6.i/20100814.b/08141009.D
Date : 14-AUG-2010 17:16
Client ID: PSB23-4-6-072910
Sample Info: RG58J
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:66784



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141010.D
Lab Smp Id: RG58K Client Smp ID: PSB23-14-16.5-07291
Inj Date : 14-AUG-2010 17:49
Operator : JZ Inst ID: nt6.i
Smp Info : RG58K
Misc Info : 10-18246
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.189	9.197	(1.000)	646661	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.999	11.007	(0.914)	455814	17.1452	1143
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.030	12.038	(1.000)	379763	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.375	14.383	(1.000)	619065	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	516689	20.9092	1394
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.648	18.656	(1.000)	697558	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.784	20.787	(1.000)	671572	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141010.D
Lab Smp Id: RG58K
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18246

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-14-16.5-0
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	646661	10.70
42 Acenaphthene-d10	320442	160221	640884	379763	18.51
59 Phenanthrene-d10	503793	251896	1007586	619065	22.88
69 Chrysene-d12	532343	266172	1064686	697558	31.04
77 Perylene-d12	517269	258634	1034538	671572	29.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.09
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.06
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.78	-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

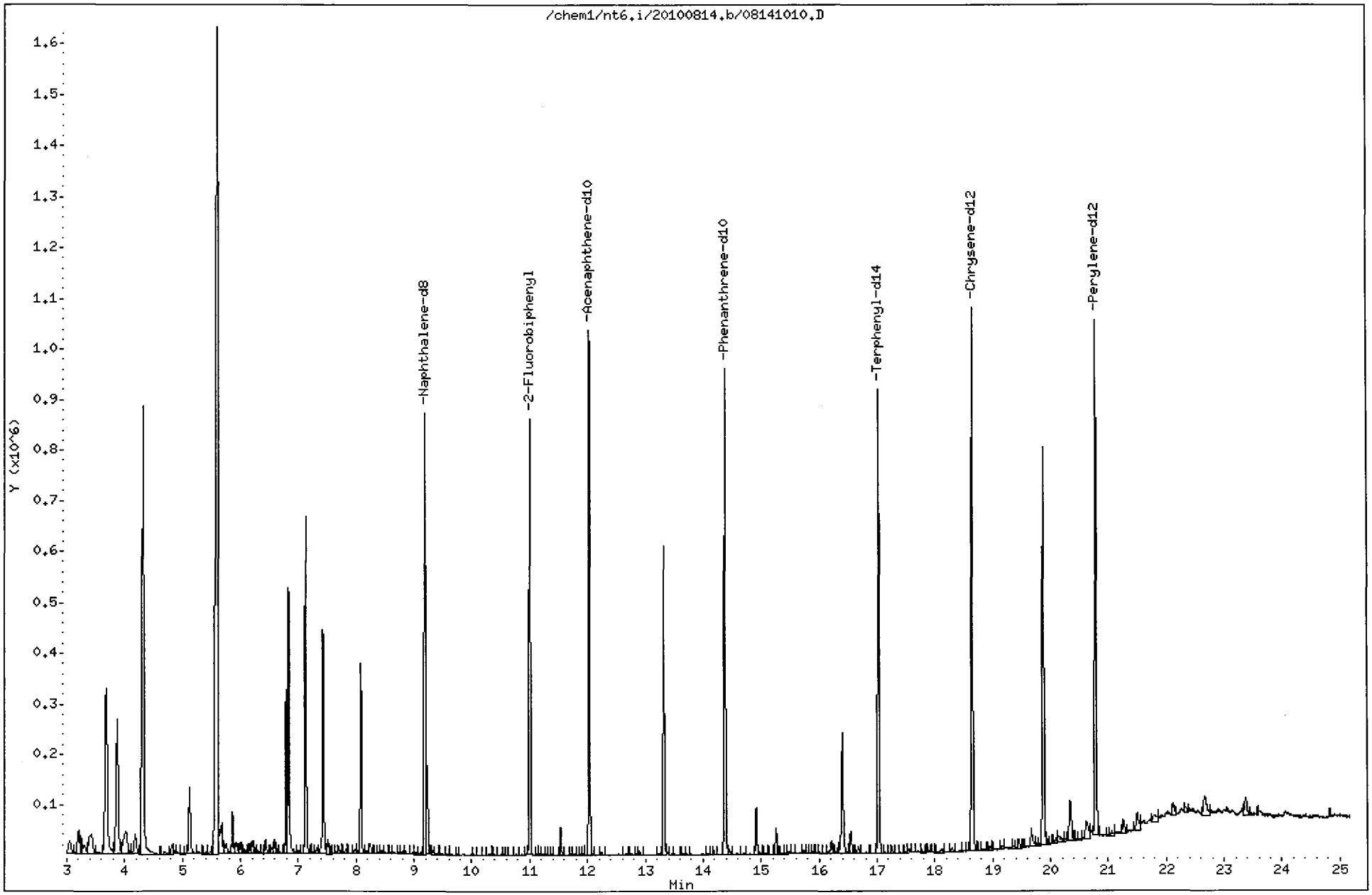
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58K
Client Smp ID: PSB23-14-16.5-07291
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18246

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1143	68.58	34-100
$ 66 Terphenyl-d14	1667	1394	83.64	35-112

Data File: /chem1/nt6.i/20100814.b/08141010.D
Date : 14-AUG-2010 17:49
Client ID: PSB23-14-16.5-07291
Sample Info: RG58K
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 007789



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141011.D
Lab Smp Id: RG58L Client Smp ID: PSB23-16.5-19-07291
Inj Date : 14-AUG-2010 18:22
Operator : JZ Inst ID: nt6.i
Smp Info : RG58L
Misc Info : 10-18247
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/17/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.190	9.197	(1.000)	647714	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	441644	16.7303	1115
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.031	12.038	(1.000)	377082	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.376	14.383	(1.000)	610030	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	514261	20.7076	1381
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.649	18.656	(1.000)	701040	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.785	20.787	(1.000)	668043	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141011.D
Lab Smp Id: RG58L
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18247

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-16.5-19-07
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	647714	10.88
42 Acenaphthene-d10	320442	160221	640884	377082	17.68
59 Phenanthrene-d10	503793	251896	1007586	610030	21.09
69 Chrysene-d12	532343	266172	1064686	701040	31.69
77 Perylene-d12	517269	258634	1034538	668043	29.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.08
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.79	-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

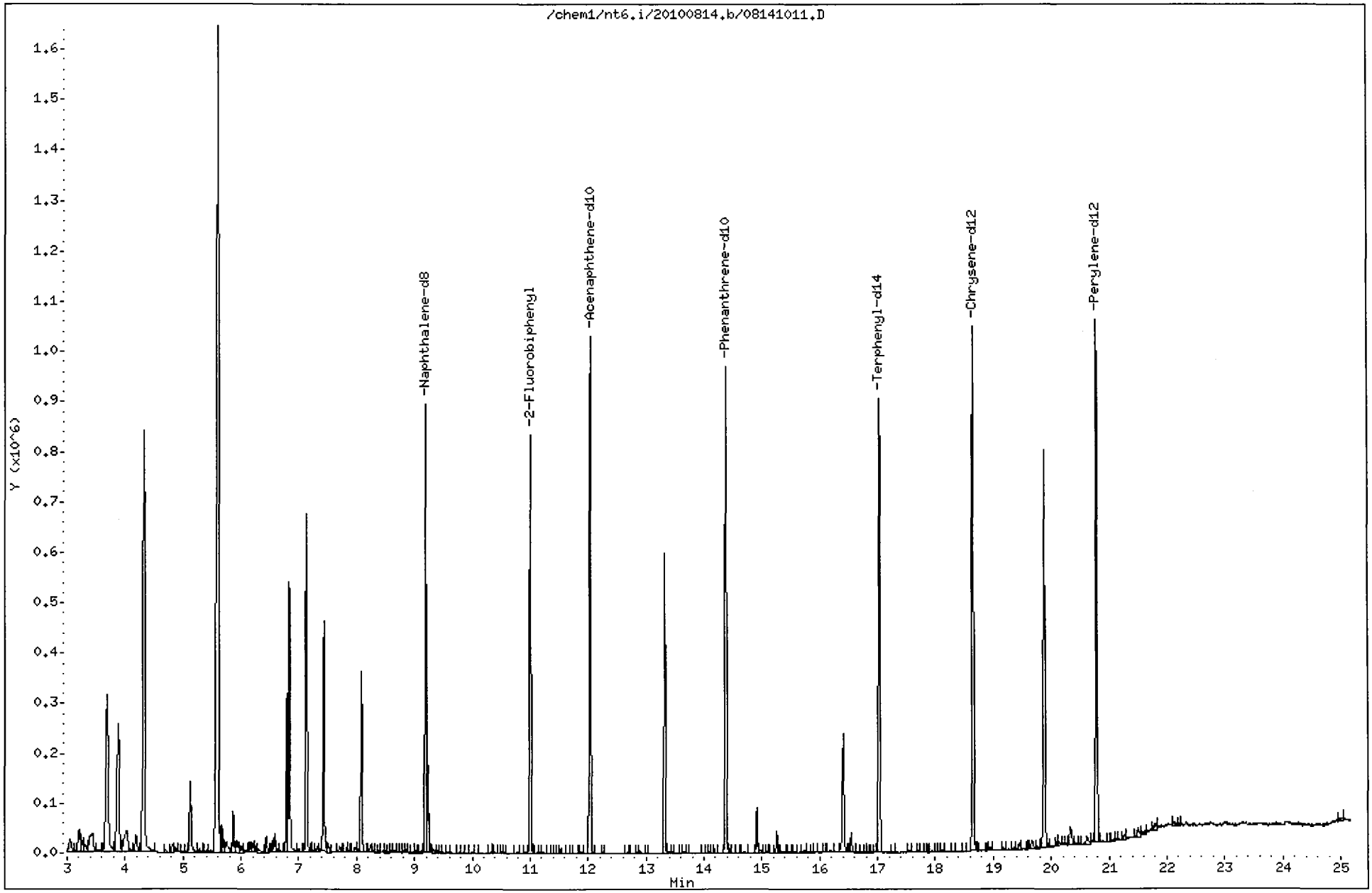
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58L
Client Smp ID: PSB23-16.5-19-07291
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18247

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1115	66.92	34-100
$ 66 Terphenyl-d14	1667	1381	82.83	35-112

Data File: /chem1/nt6.i/20100814.b/08141011.D
Date : 14-AUG-2010 18:22
Client ID: PSB23-16.5-19-07291
Sample Info: RG58L
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58-060791



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141012.D
Lab Smp Id: RG58M Client Smp ID: PSB24-0-0.5-072910
Inj Date : 14-AUG-2010 18:55
Operator : JZ Inst ID: nt6.i
Smp Info : RG58M
Misc Info : 10-18248
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	26.1 ~~7.50000~~	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.184	9.197	(1.000)	646535	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	439949	16.5705	1105
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.031	12.038	(1.000)	379257	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.375	14.383	(1.000)	615667	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	16.325	16.332	(1.136)	22129	0.53402	35.60
65 Pyrene	202	16.667	16.680	(0.894)	23045	0.53966	35.98

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)	
$ 66 Terphenyl-d14	244	17.030	17.032	(0.913)	372035	14.8116	987.4	
68 Benzo(a)anthracene	228	Compound Not Detected.						
* 69 Chrysene-d12	240	18.648	18.656	(1.000)	709038	20.0000		
71 Chrysene	228	Compound Not Detected.						
187 Total Benzofluoranthenes	252	20.267	20.306	(0.975)	29929	0.63294	42.20(a)	2.1a (J
76 Benzo(a)pyrene	252	Compound Not Detected.						
* 77 Perylene-d12	264	20.790	20.787	(1.000)	734362	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.						

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141012.D
Lab Smp Id: RG58M
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18248

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-0-0.5-072
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	646535	10.68
42 Acenaphthene-d10	320442	160221	640884	379257	18.35
59 Phenanthrene-d10	503793	251896	1007586	615667	22.21
69 Chrysene-d12	532343	266172	1064686	709038	33.19
77 Perylene-d12	517269	258634	1034538	734362	41.97

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.18	-0.14
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.79	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

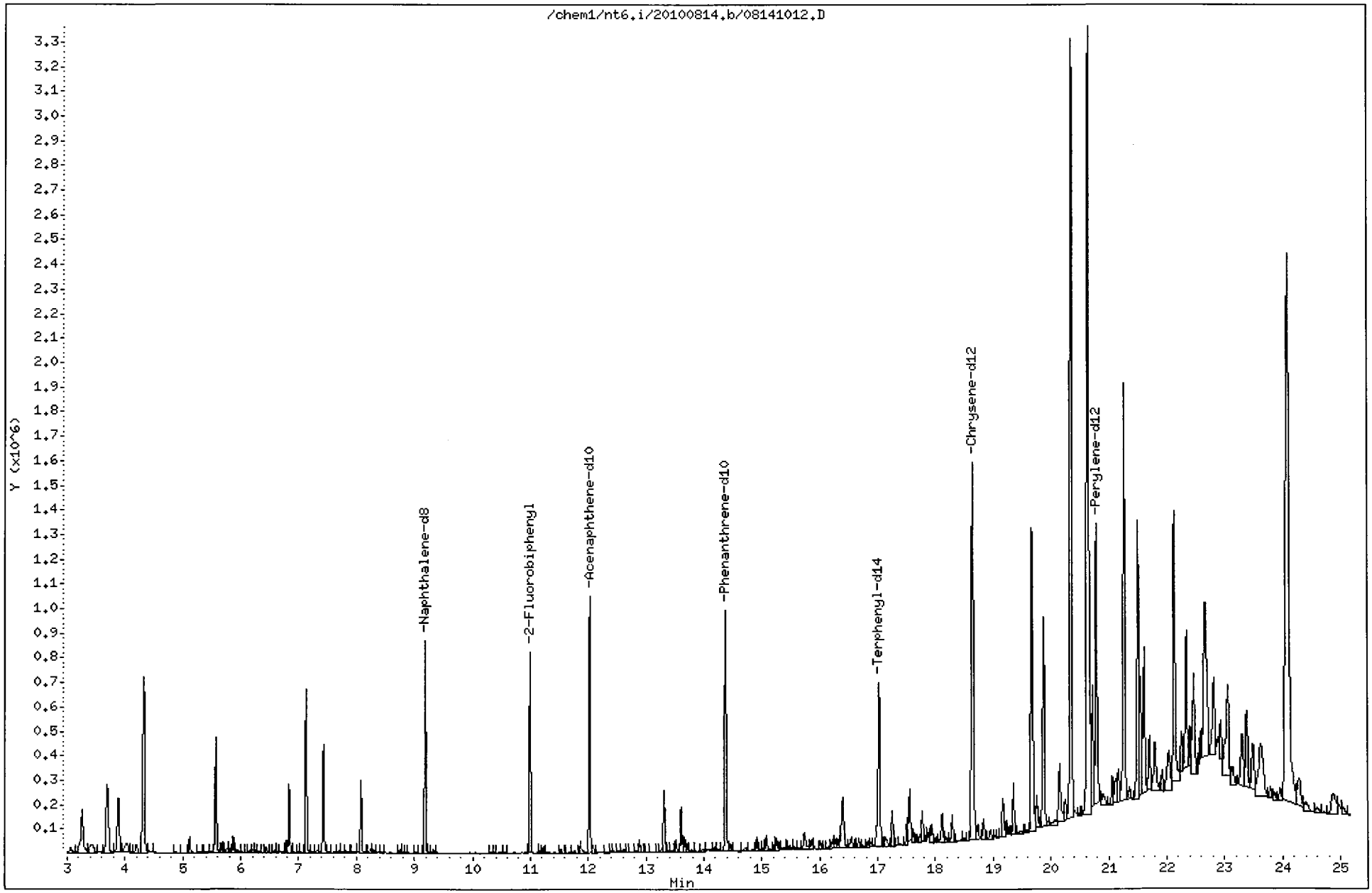
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58M
Client Smp ID: PSB24-0-0.5-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18248

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1105	66.28	34-100
$ 66 Terphenyl-d14	1667	987.4	59.25	35-112

Data File: /chem1/nt6.i/20100814.b/08141012.D
Date : 14-AUG-2010 18:55
Client ID: PSB24-0-0.5-072910
Sample Info: RG58M
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:99799



Data File: /chem1/nt6.i/20100814.b/08141012.D

Date : 14-AUG-2010 18:55

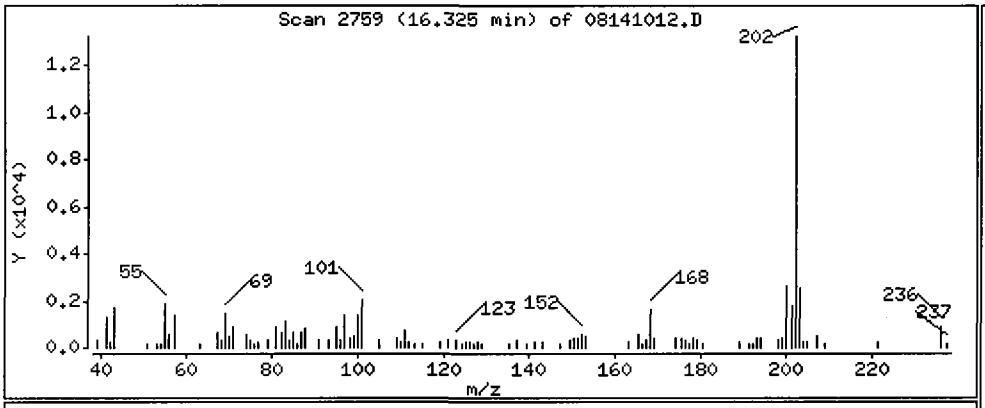
Client ID: PSB24-0-0.5-072910 Instrument: nt6.i

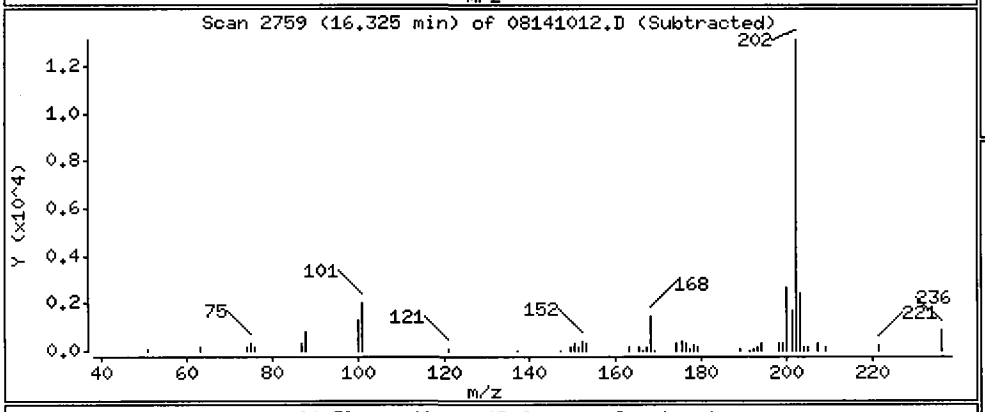
Sample Info: RG58M

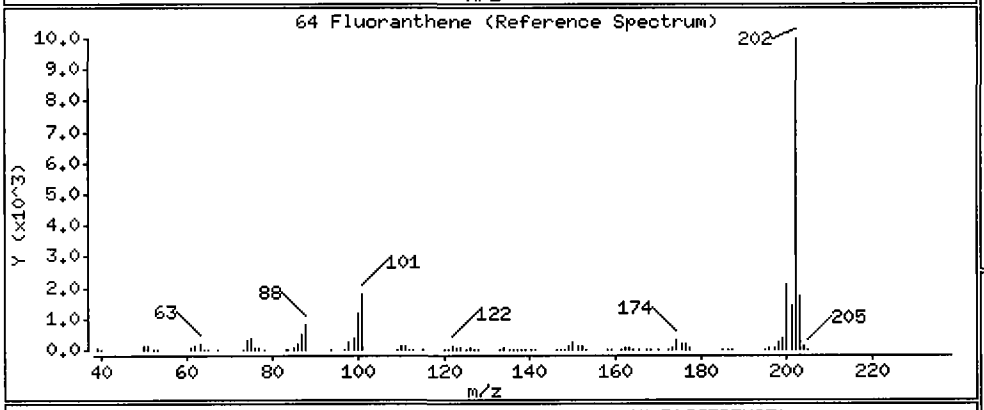
Volume Injected (uL): 1.0 Operator: JZ

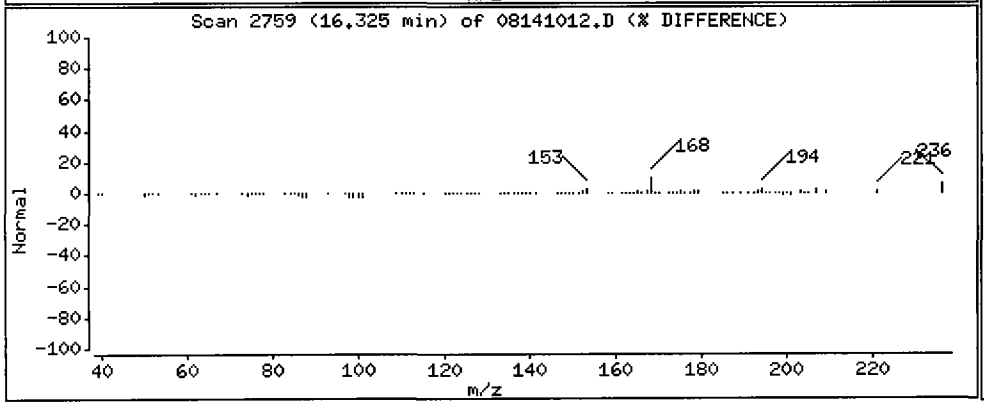
Column phase: ZB-5msi Column diameter: 0.32

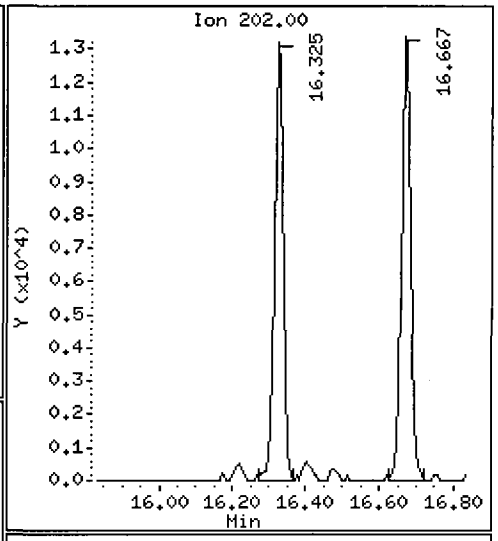
64 Fluoranthene Concentration: 35.60 ug/kg

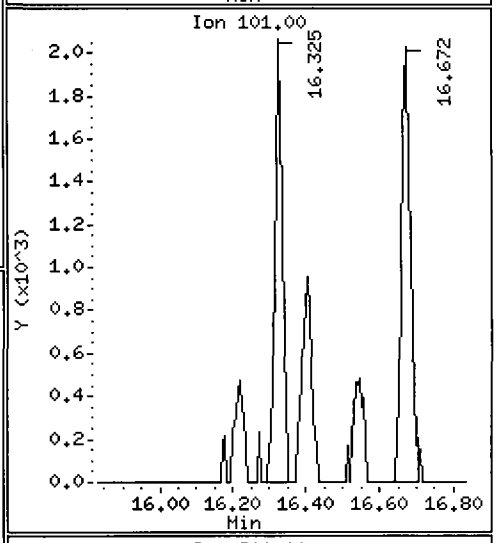


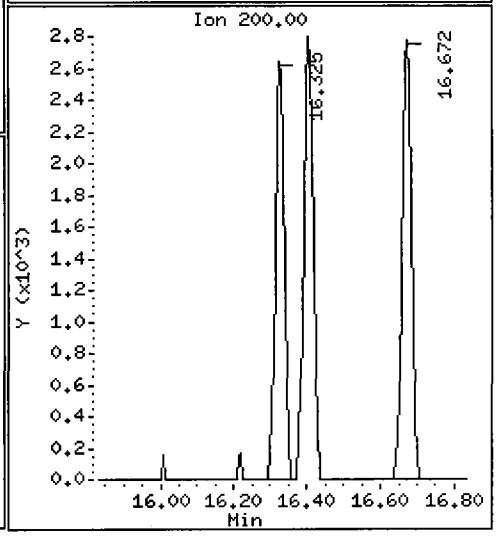












Data File: /chem1/nt6.i/20100814.b/08141012.D

Date : 14-AUG-2010 18:55

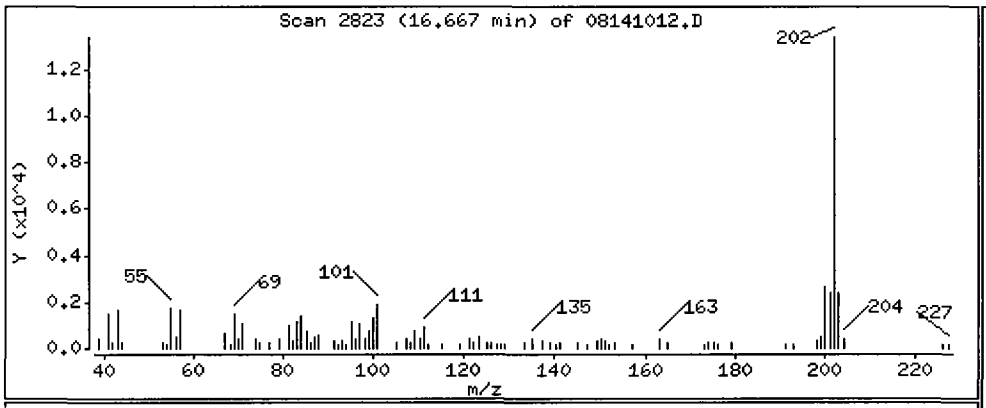
Client ID: PSB24-0-0.5-072910 Instrument: nt6.i

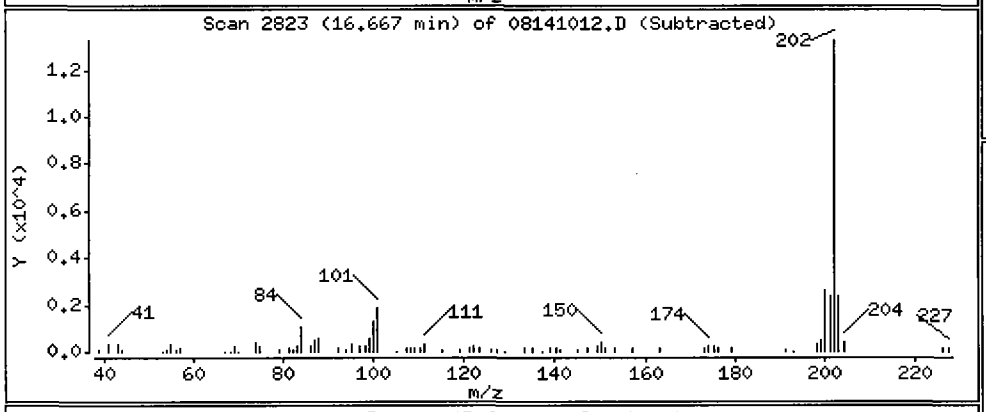
Sample Info: RG58M

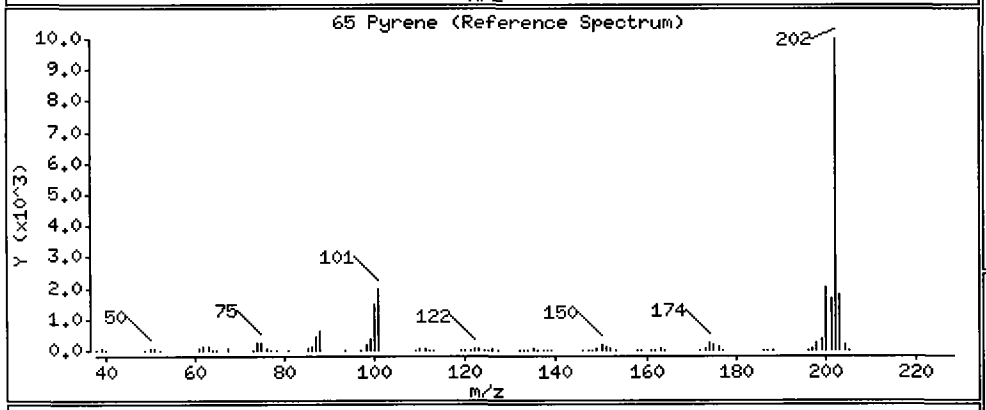
Volume Injected (uL): 1.0 Operator: JZ

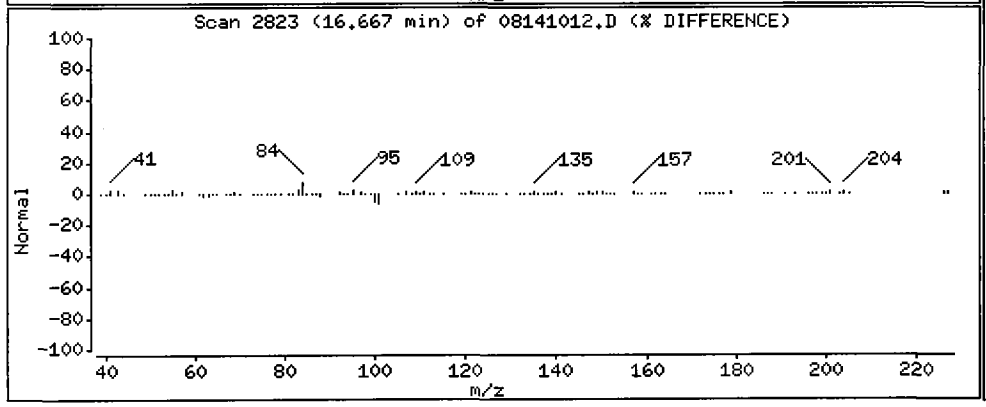
Column phase: ZB-5msi Column diameter: 0.32

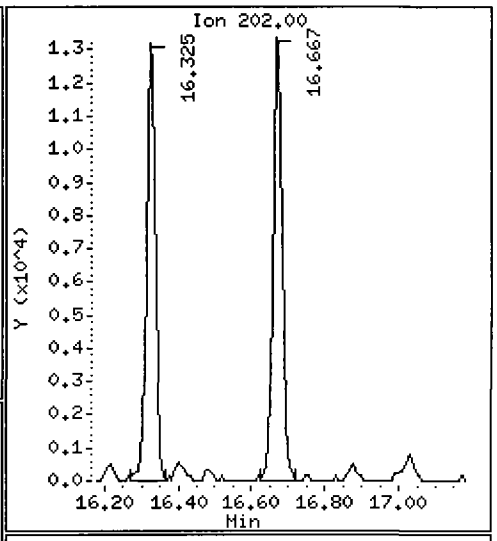
65 Pyrene Concentration: 35.98 ug/kg

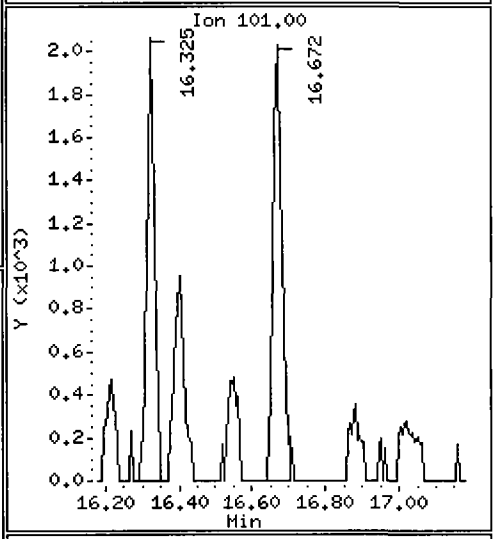


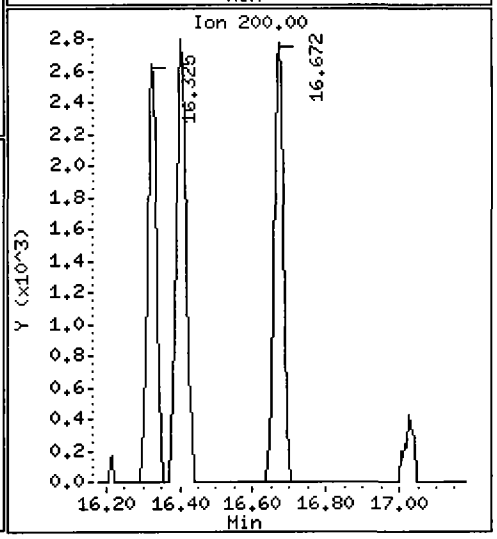












Data File: /chem1/nt6.i/20100814.b/08141012.D

Date : 14-AUG-2010 18:55

Client ID: PSB24-0-0.5-072910

Instrument: nt6.i

Sample Info: RG58M

Volume Injected (uL): 1.0

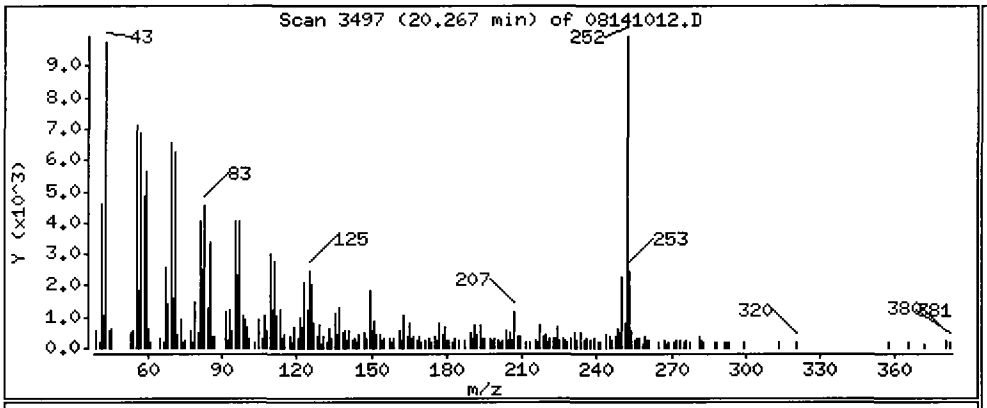
Operator: JZ

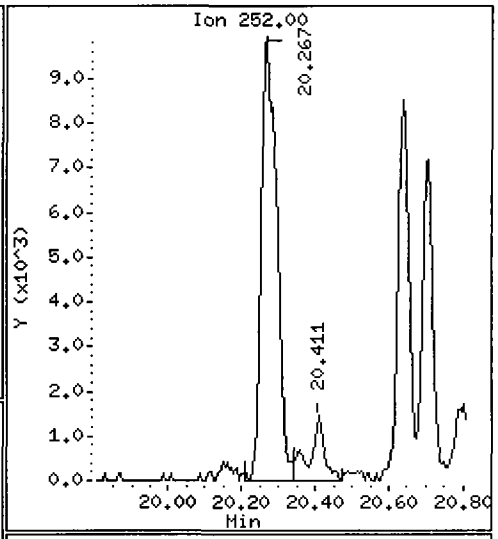
Column phase: ZB-5msi

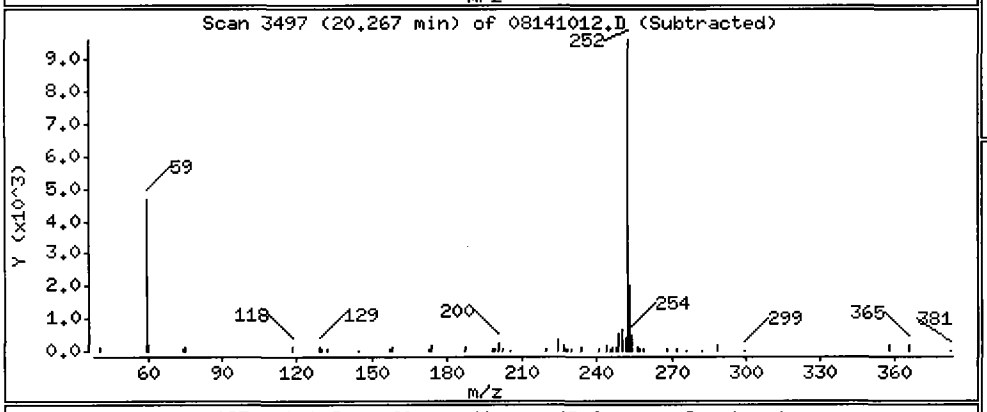
Column diameter: 0.32

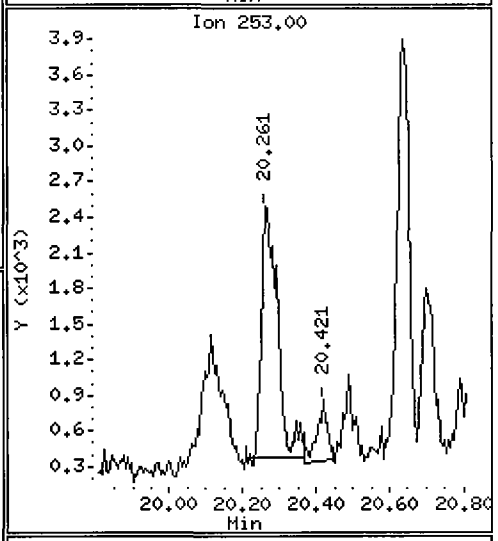
187 Total Benzofluoranthenes

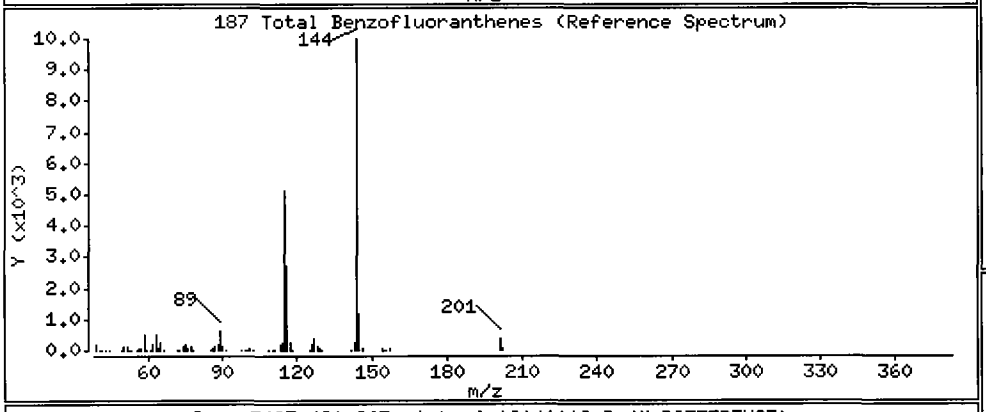
Concentration: 42.20 ug/kg

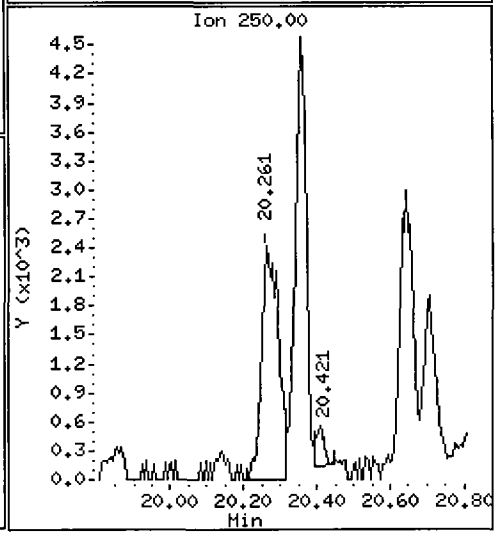


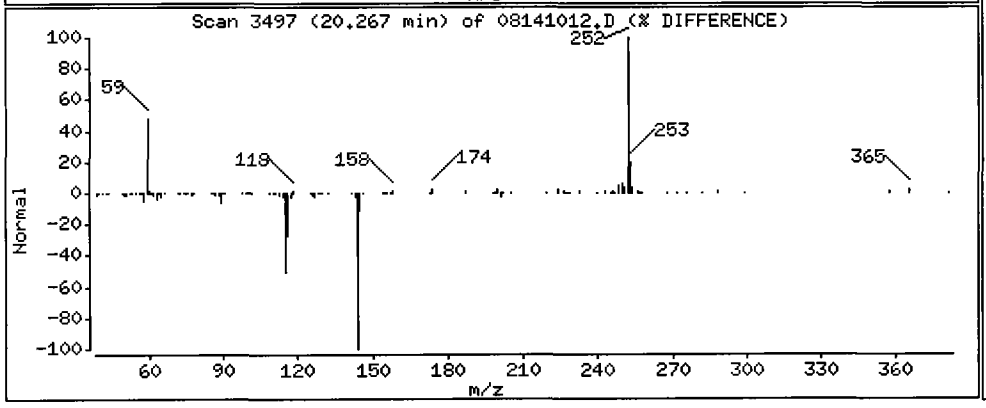












Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141013.D
Lab Smp Id: RG58N Client Smp ID: PSB24-1.5-2-072910
Inj Date : 14-AUG-2010 19:28
Operator : JZ Inst ID: nt6.i
Smp Info : RG58N
Misc Info : 10-18249
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AD 08/17/10

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	7.50000	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)
*	27 Naphthalene-d8	136	9.189	9.197	(1.000)	657121	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	464398	17.2888	1153
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.031	12.038	(1.000)	383701	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.376	14.383	(1.000)	628125	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	494802	19.6045	1307
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.648	18.656	(1.000)	712465	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.785	20.787	(1.000)	697629	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141013.D
Lab Smp Id: RG58N
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18249

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-1.5-2-072
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	657121	12.49
42 Acenaphthene-d10	320442	160221	640884	383701	19.74
59 Phenanthrene-d10	503793	251896	1007586	628125	24.68
69 Chrysene-d12	532343	266172	1064686	712465	33.84
77 Perylene-d12	517269	258634	1034538	697629	34.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.08
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.06
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.78	-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

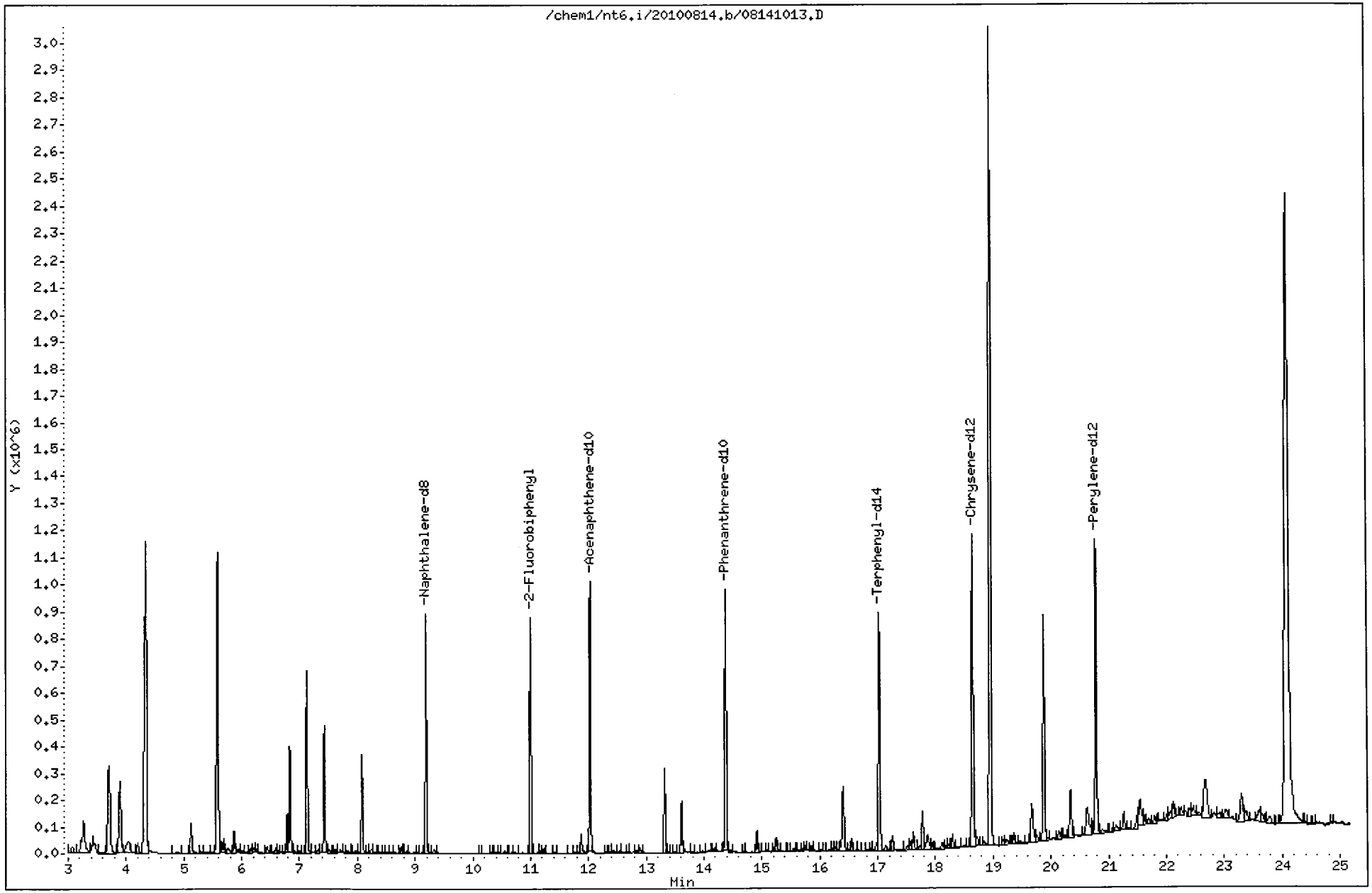
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58N
Client Smp ID: PSB24-1.5-2-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18249

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1153	69.16	34-100
$ 66 Terphenyl-d14	1667	1307	78.42	35-112

Data File: /chem1/nt6.i/20100814.b/08141013.D
Date : 14-AUG-2010 19:28
Client ID: PSB24-1.5-2-072910
Sample Info: RG58N
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 08141013



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141014.D
Lab Smp Id: RG58O Client Smp ID: PSB24-2-4-072910
Inj Date : 14-AUG-2010 20:00
Operator : JZ Inst ID: nt6.i
Smp Info : RG58O
Misc Info : 10-18250
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/17/10

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	7.50000	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)
* 27 Naphthalene-d8	136	9.189	9.197	(1.000)	661841	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.000	11.007	(0.914)	495287	18.0487	1203
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.030	12.038	(1.000)	391994	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.375	14.383	(1.000)	644324	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.030	17.032	(0.913)	542931	21.0231	1402
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.648	18.656	(1.000)	729013	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.790	20.787	(1.000)	707146	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141014.D
Lab Smp Id: RG580
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18250

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-2-4-07291(
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	661841	13.30
42 Acenaphthene-d10	320442	160221	640884	391994	22.33
59 Phenanthrene-d10	503793	251896	1007586	644324	27.89
69 Chrysene-d12	532343	266172	1064686	729013	36.94
77 Perylene-d12	517269	258634	1034538	707146	36.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.09
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.79	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58O
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18250

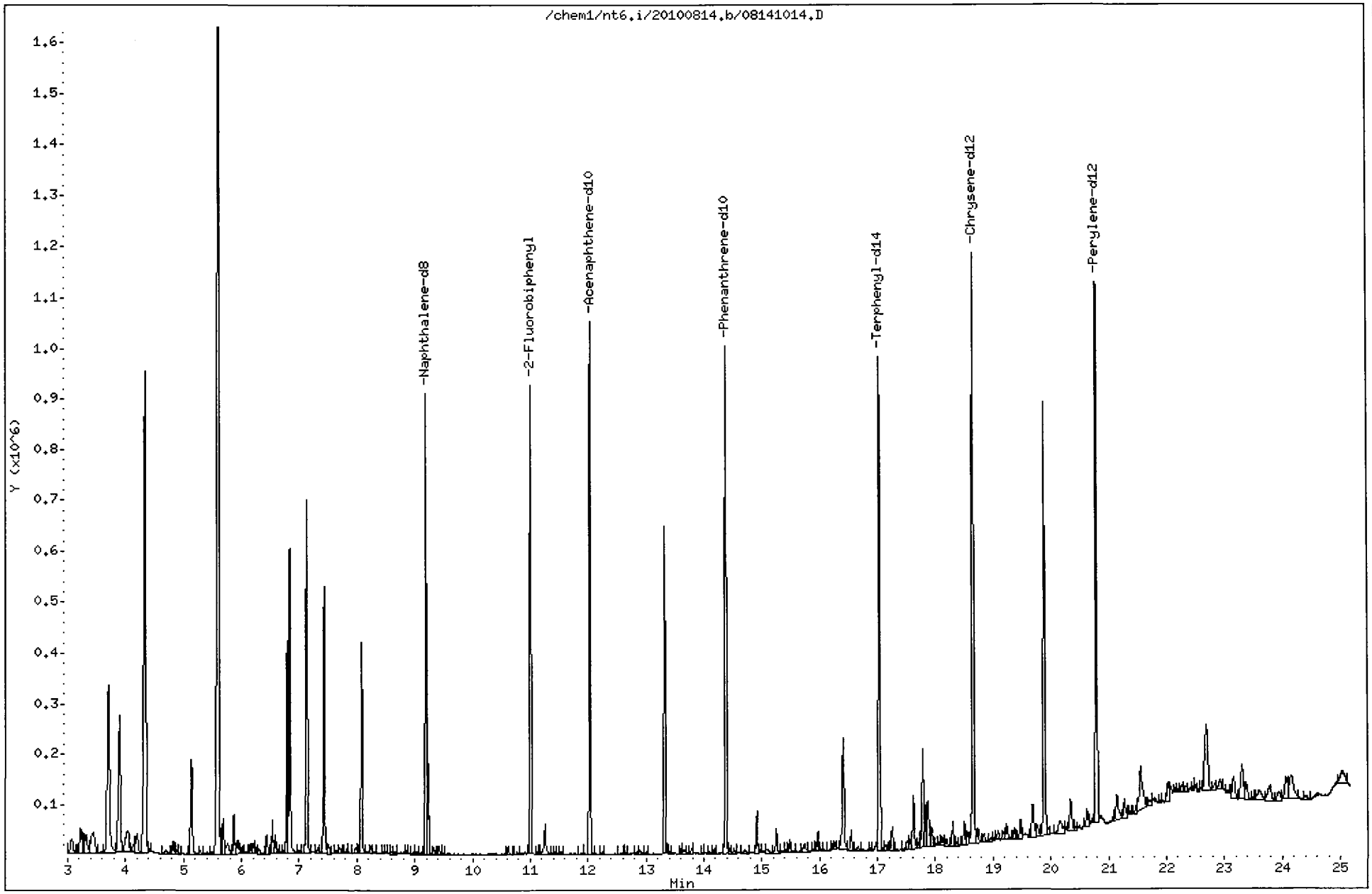
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB24-2-4-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1203	72.19	34-100
$ 66 Terphenyl-d14	1667	1402	84.09	35-112

Data File: /chem1/nt6.i/20100814.b/08141014.D
Date : 14-AUG-2010 20:00
Client ID: PSB24-2-4-072910
Sample Info: RG580
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG580:090312



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141015.D
Lab Smp Id: RG58P Client Smp ID: PSB24-2-4-072910-D
Inj Date : 14-AUG-2010 20:33
Operator : JZ Inst ID: nt6.i
Smp Info : RG58P
Misc Info : 10-18251
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.188	9.197	(1.000)	648336	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.999	11.007	(0.914)	438074	16.3576	1091
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.030	12.038	(1.000)	382557	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.374	14.383	(1.000)	619258	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.029	17.032	(0.913)	481734	19.6897	1313
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.647	18.656	(1.000)	690647	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.789	20.787	(1.000)	688671	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141015.D
Lab Smp Id: RG58P
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18251

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-2-4-07291(
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	648336	10.99
42 Acenaphthene-d10	320442	160221	640884	382557	19.38
59 Phenanthrene-d10	503793	251896	1007586	619258	22.92
69 Chrysene-d12	532343	266172	1064686	690647	29.74
77 Perylene-d12	517269	258634	1034538	688671	33.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.09
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.37	-0.06
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.05
77 Perylene-d12	20.79	20.29	21.29	20.79	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.

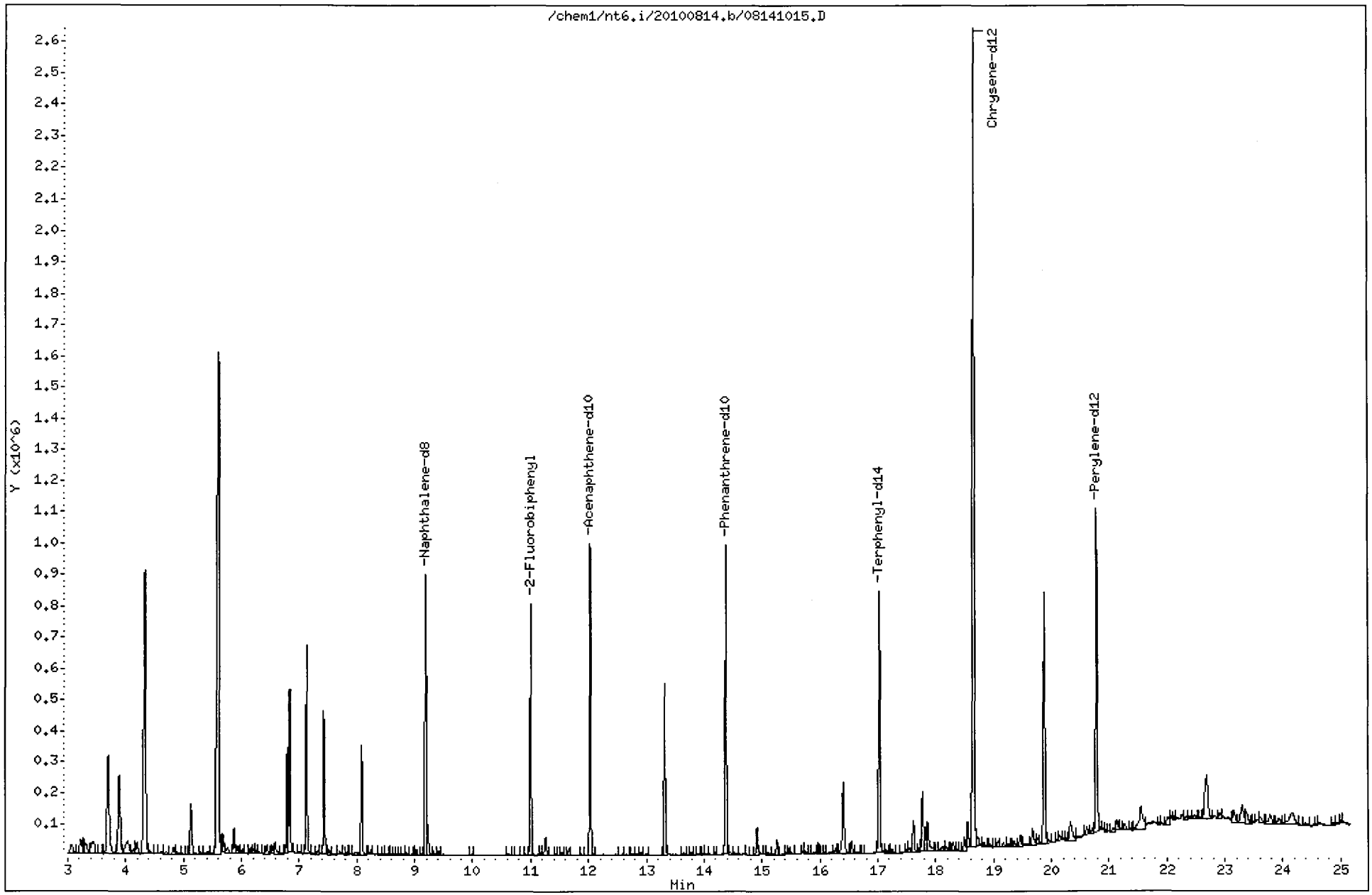
RECOVERY REPORT

Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58P
Client Smp ID: PSB24-2-4-072910-D
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18251

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1091	65.43	34-100
$ 66 Terphenyl-d14	1667	1313	78.76	35-112

Data File: /chem1/nt6.i/20100814.b/08141015.D
Date : 14-AUG-2010 20:33
Client ID: PSB24-2-4-072910-D
Sample Info: RG58P
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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



RG58:050817

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141016.D
Lab Smp Id: RG58H Client Smp ID: PSB23-1.5-2-072910
Inj Date : 14-AUG-2010 21:06
Operator : JZ Inst ID: nt6.i
Smp Info : RG58H
Misc Info : 10-18243
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

AR 08/17/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.188	9.197	(1.000)	641761	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	10.998	11.007	(0.914)	486195	18.3981	1227
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.029	12.038	(1.000)	377490	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.374	14.383	(1.000)	618870	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.029	17.032	(0.913)	517651	20.2748	1352
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.652	18.656	(1.000)	720723	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.789	20.787	(1.000)	720130	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141016.D
Lab Smp Id: RG58H
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18243

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB23-1.5-2-072
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	641761	9.86
42 Acenaphthene-d10	320442	160221	640884	377490	17.80
59 Phenanthrene-d10	503793	251896	1007586	618870	22.84
69 Chrysene-d12	532343	266172	1064686	720723	35.39
77 Perylene-d12	517269	258634	1034538	720130	39.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.10
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.37	-0.06
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.02
77 Perylene-d12	20.79	20.29	21.29	20.79	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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58H
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18243

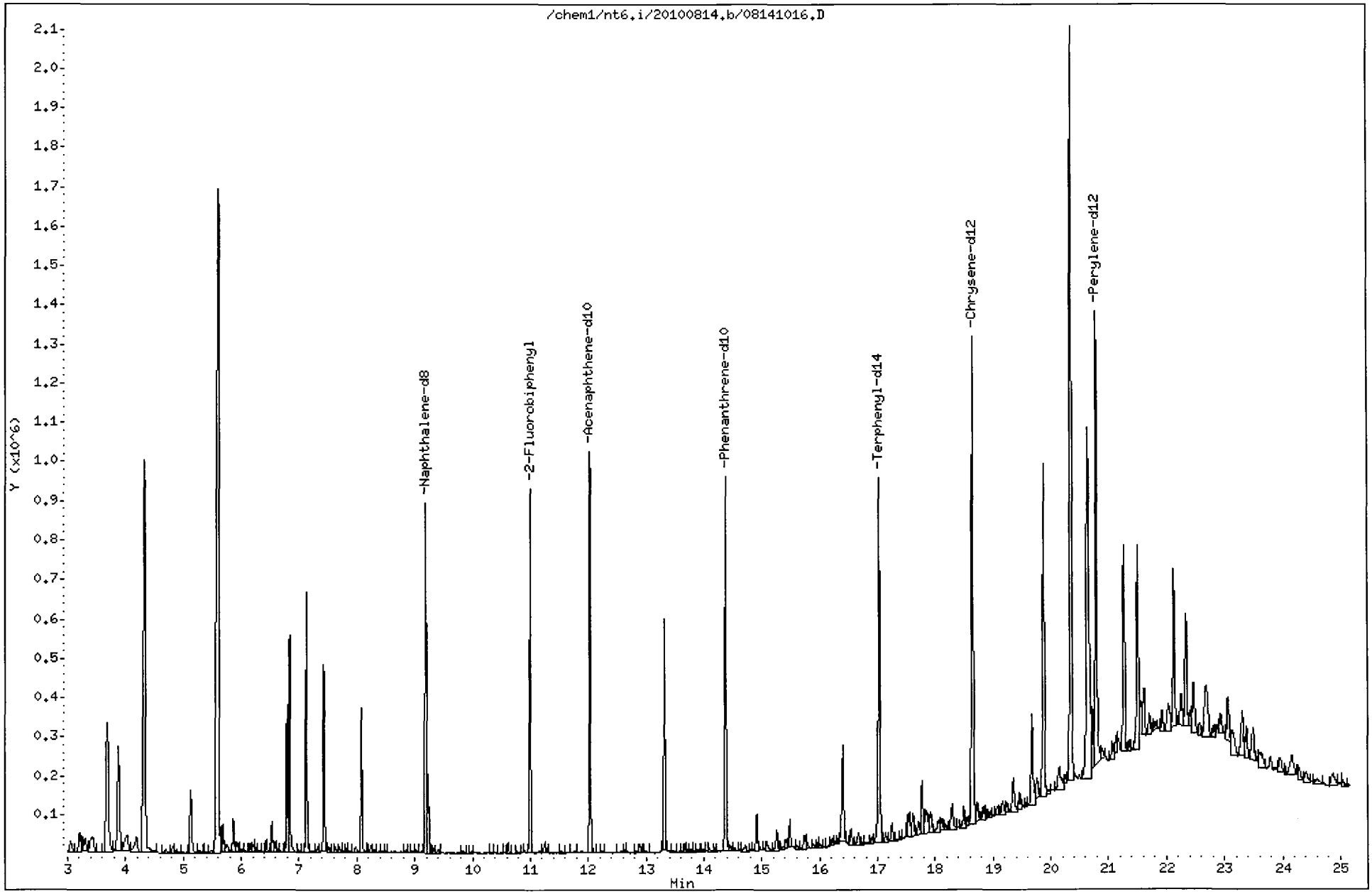
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB23-1.5-2-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1227	73.59	34-100
$ 66 Terphenyl-d14	1667	1352	81.10	35-112

Data File: /chem1/nt6.i/20100814.b/08141016.D
Date : 14-AUG-2010 21:06
Client ID: PSB23-1.5-2-072910
Sample Info: RG58H
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 080822



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141017.D
Lab Smp Id: RG58R Client Smp ID: PSB24-14-16-072910
Inj Date : 14-AUG-2010 21:38
Operator : JZ Inst ID: nt6.i
Smp Info : RG58R
Misc Info : 10-18253
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

JZ 08/17/10

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	29.00000	Weight of sample extracted (g)
M	10.80000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.190	9.197	(1.000)	650786	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	11.001	11.007	(0.914)	442152	16.3941	316.9
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	12.032	12.038	(1.000)	385258	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.376	14.383	(1.000)	619734	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.026	17.032	(0.913)	500891	19.9349	385.3
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.649	18.656	(1.000)	709277	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.786	20.787	(1.000)	691371	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141017.D
Lab Smp Id: RG58R
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18253

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-14-16-072S
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	650786	11.41
42 Acenaphthene-d10	320442	160221	640884	385258	20.23
59 Phenanthrene-d10	503793	251896	1007586	619734	23.01
69 Chrysene-d12	532343	266172	1064686	709277	33.24
77 Perylene-d12	517269	258634	1034538	691371	33.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.07
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.05
59 Phenanthrene-d10	14.38	13.88	14.88	14.38	-0.05
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.04
77 Perylene-d12	20.79	20.29	21.29	20.79	-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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58R
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18253

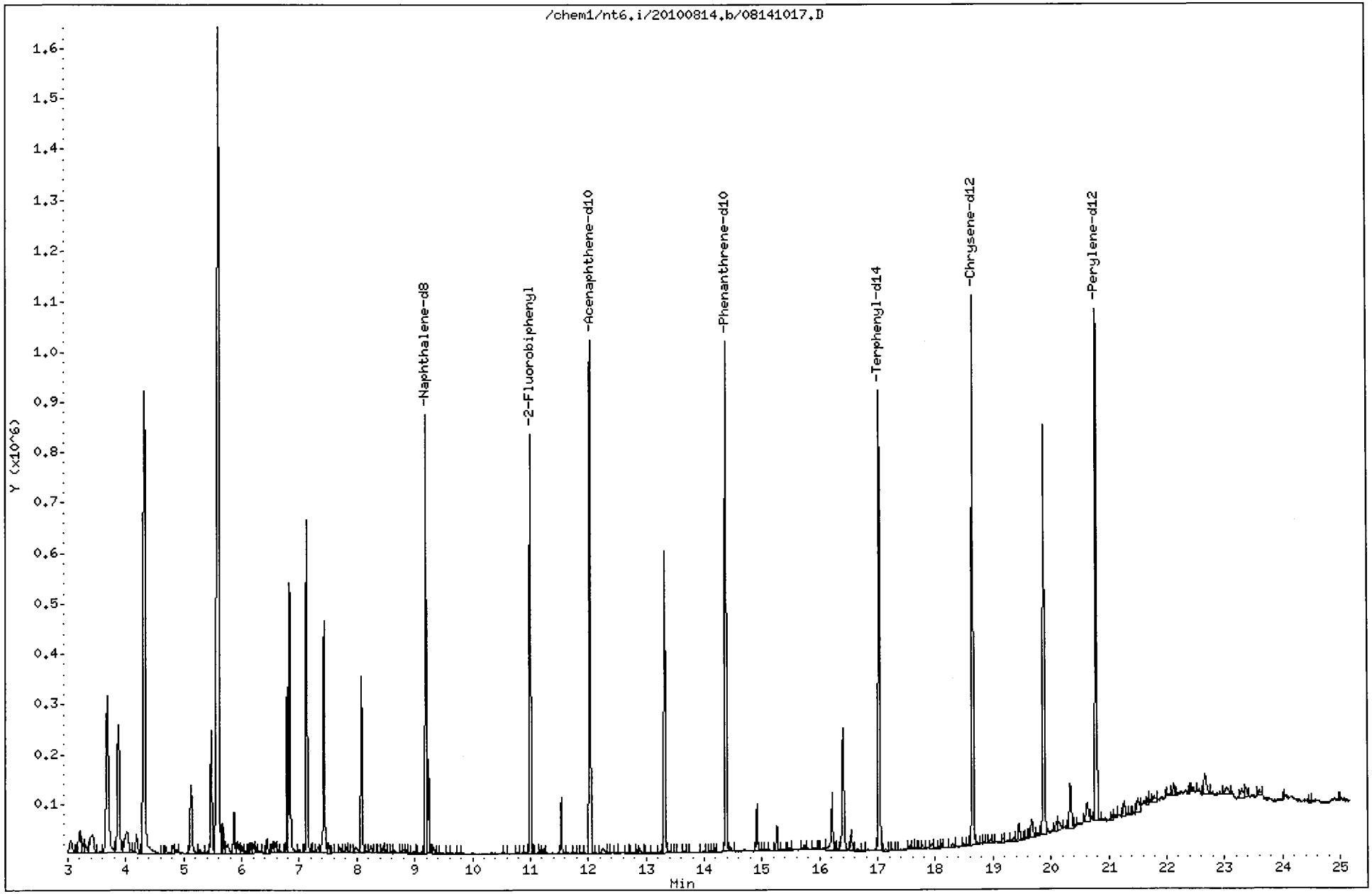
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB24-14-16-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	483.2	316.9	65.58	34-100
$ 66 Terphenyl-d14	483.2	385.3	79.74	35-112

Data File: /chem1/nt6.i/20100814.b/08141017.D
Date : 14-AUG-2010 21:38
Client ID: PSB24-14-16-072910
Sample Info: RG58R
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58-060827



Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100814.b/08141018.D
Lab Smp Id: RG58S Client Smp ID: PSB24-16-17-072910
Inj Date : 14-AUG-2010 22:11
Operator : JZ Inst ID: nt6.i
Smp Info : RG58S
Misc Info : 10-18254
Comment : 1ul Injection
Method : /chem1/nt6.i/20100814.b/SW846072310.m
Meth Date : 17-Aug-2010 17:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/17/10

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	7.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
*	27 Naphthalene-d8	136	9.188	9.197	(1.000)	672532	20.0000	
	28 Naphthalene	128	Compound Not Detected.					
	32 2-Methylnaphthalene	141	Compound Not Detected.					
	105 1-methylnaphthalene	141	Compound Not Detected.					
$	36 2-Fluorobiphenyl	172	10.999	11.007	(0.914)	453640	16.3007	1087
	40 Acenaphthylene	152	Compound Not Detected.					
*	42 Acenaphthene-d10	164	12.030	12.038	(1.000)	397533	20.0000	
	44 Acenaphthene	153	Compound Not Detected.					
	46 Dibenzofuran	168	Compound Not Detected.					
	49 Fluorene	166	Compound Not Detected.					
*	59 Phenanthrene-d10	188	14.374	14.383	(1.000)	647131	20.0000	
	60 Phenanthrene	178	Compound Not Detected.					
	61 Anthracene	178	Compound Not Detected.					
	64 Fluoranthene	202	Compound Not Detected.					
	65 Pyrene	202	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	17.029	17.032	(0.913)	527329	19.9414	1329
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.647	18.656	(1.000)	746474	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.784	20.787	(1.000)	716161	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08141018.D
Lab Smp Id: RG58S
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18254

Calibration Date: 14-AUG-2010
Calibration Time: 11:45
Client Smp ID: PSB24-16-17-072S
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	672532	15.13
42 Acenaphthene-d10	320442	160221	640884	397533	24.06
59 Phenanthrene-d10	503793	251896	1007586	647131	28.45
69 Chrysene-d12	532343	266172	1064686	746474	40.22
77 Perylene-d12	517269	258634	1034538	716161	38.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.20	8.70	9.70	9.19	-0.09
42 Acenaphthene-d10	12.04	11.54	12.54	12.03	-0.07
59 Phenanthrene-d10	14.38	13.88	14.88	14.37	-0.06
69 Chrysene-d12	18.66	18.16	19.16	18.65	-0.05
77 Perylene-d12	20.79	20.29	21.29	20.78	-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: Floyd/Snider
Sample Matrix: SOLID
Lab Smp Id: RG58S
Level: LOW
Data Type: MS DATA
SpikeList File: pnaslcss.spk
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100814.b/SW846072310.m
Misc Info: 10-18254

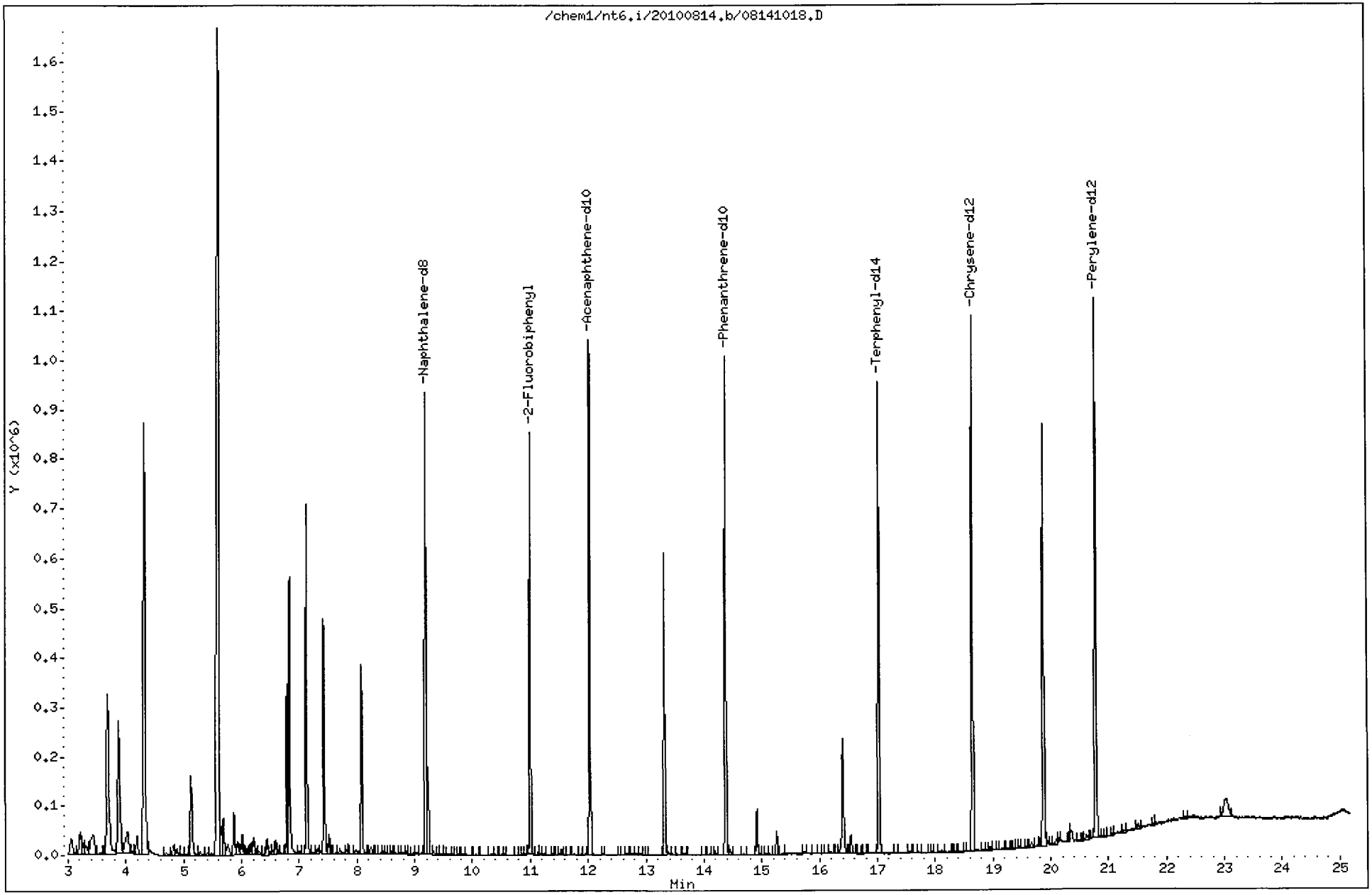
Client SDG: RG58
Fraction: SV
Client Smp ID: PSB24-16-17-072910
Operator: JZ
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	1667	1087	65.20	34-100
$ 66 Terphenyl-d14	1667	1329	79.77	35-112

Data File: /chem1/nt6.i/20100814.b/08141018.D
Date : 14-AUG-2010 22:11
Client ID: PSB24-16-17-072910
Sample Info: RG58S
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58 : 60832



Analytical Resources Inc.: Organics Instrument Log

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

Date: 8/17/10 Analysis: 8270 Analyst: AR

GC Program: ABN_ult Column No: 172127 Column Type: ZB-5MS

Instrument Tune (.U or .CT.): c00629 EM Voltage: 1553

Calibration File: 08161001 Curve Date: 7/23/10

IS/SS	Ical/Ccal	LCS/ICV
1752-1	1747-3, 1733-1	
	1736-1, 1736-1	
	15019, 1743-5	
	1744-1	

INTERNAL STANDARD SUMMARY FOR DATABATCH - /chem1/nt6.i/20100817.b

	Time	Filename	LabID	ClientId	DF											
1	1003	08171001.D	CC0817	CC0817	1	6.95	146831	9.01	471677	11.85	271376	14.19	437424	18.46	496791	20.59	491254	19.71	591733
2	1035	08171002.D	RI24L	FD2-081110	5	6.95	162385	9.01	535205	11.85	307820	14.19	492228	18.46	552085	19.71	652824	20.60	591385
3	1116	08171003.D	RG78MBS1	RG78MBS1	1	9.01	574562	11.85	332601	14.19	530455	18.45	589806	20.59	569012				
4	1149	08171004.D	RG78LCSS1	RG78LCSS1	1	9.01	592795	11.85	340576	14.19	557562	18.46	599679	20.59	580813				
5	1222	08171005.D	RG78A	PSB9A-11-13.	1	9.01	573989	11.84	341380	14.18	543011	18.45	605965	20.58	566477				
6	1255	08171006.D	RG78B	PSB9A-1.5-2-	1	9.01	617580	11.84	367180	14.18	587454	18.45	637009	20.59	605504				
7	1328	08171007.D	RG78C	PSB9A-2-4-07	1	9.01	612112	11.84	361935	14.18	582060	18.45	636281	20.59	601646				
8	1401	08171008.D	RG78D	PSB9A-4-6-07	1	9.01	591661	11.84	342924	14.19	550666	18.45	612197	20.59	585871				
9	1435	08171009.D	RG78E	PSB9A-0-0.5-	1	9.01	610080	11.84	342543	14.19	529156	18.45	543728	20.59	546367				
10	1508	08171010.D	RG78F	PSB10-0-0.5-	3	9.01	512395	11.84	299721	14.19	472624	18.46	672437	20.61	748151				
11	1541	08171011.D	RG78G	PSB10-1.5-2-	1	9.01	610484	11.85	350790	14.19	549501	18.46	688289	20.59	742251				
12	1614	08171012.D	RG78H	PSB10-2-4-07	1	9.01	596735	11.85	338642	14.19	539987	18.46	676227	20.60	723009				
13	1647	08171013.D	RG78I	PSB10-4-6-07	1	9.01	582869	11.85	330859	14.19	524227	18.46	739045	20.61	812300				
14	1720	08171014.D	RG78J	PSB10-8.5-10	1	9.01	587430	11.85	335423	14.19	533260	18.46	671258	20.59	723584				
15	1754	08171015.D	RG58I	PSB23-2-4-07	1	9.01	973963	11.85	584224	14.19	932711	18.46	1171301	20.60	1220780				
16	1827	08171016.D	RG78JMS	PSB10-8.5-10	1	9.01	571458	11.85	321060	14.19	523652	18.46	647186	20.59	703203				
17	1900	08171017.D	RG78JMSD	PSB10-8.5-10	1	9.01	596947	11.85	336897	14.19	547711	18.46	702006	20.60	760326				
18	1933	08171018.D	RG58I	PSB23-2-4-07	1	9.01	544376	11.85	309944	14.19	496087	18.46	620437	20.59	645398				
19	2006	08171019.D	RG78K	PSB10-14-15-	1	9.01	1099777	11.85	651775	14.19	1031529	18.46	1300291	20.60	1325625				
20	2038	08171020.D	RG78L	PSB10-20-25-	1	9.01	603096	11.85	347854	14.19	551394	18.46	699310	20.59	720836				
21	2111	08171021.D	RG78S	PSB9-8.5-9.5	1	9.01	603766	11.84	352420	14.19	561483	18.45	702160	20.59	701047				

Is amount doubled? AR

Maintenance / Comments

08/18/10

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.

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem1/nt6.i/20100817.b

ARI Job No.: CC08 Method: SW846072310.m Instrument: nt6.i Date: 17-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1003	08171001.D	CC0817	CC0817	1	NO MANUAL INTEGRATION
1933	08171018.D	RG58I	PSB23-2-4-	1	NO MANUAL INTEGRATION

08/18/10

RG58 09231

Q-FLAG SUMMARY FOR DATABATCH - /chem1/nt6.i/20100817.b

Instrument: nt6.i Date: 17-AUG-2010 Method: SW846072310.m

INITIAL CAL: 23-JUL-2010

Compound	%RSD or R^2
NO Q-FLAGS	

08/17/10

CONTINUING CAL: 17-AUG-2010

Compound	%D
4-Nitrophenol	-21.8

NTC

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i
Lab File ID: 08171001.D
Analysis Type:
Lab Sample ID: CC0817
Method: /chem1/nt6.i/20100817.b/SW846072310.m

Injection Date: 17-AUG-2010 10:03
Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Init. Cal. Times: 15:01 18:38
Quant Type: ISTD

08/17/10

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 2-Fluorophenol	1.32873	1.32753	1.32753	0.010	-0.09043	20.00000	Averaged
$ 2 Phenol-d5	1.53477	1.50872	1.50872	0.010	-1.69720	20.00000	Averaged
3 Phenol	1.70453	1.74493	1.74493	0.010	2.37068	20.00000	Averaged
$ 5 2-Chlorophenol-d4	1.29631	1.27171	1.27171	0.010	-1.89752	20.00000	Averaged
4 Bis(2-Chloroethyl)ether	1.30667	1.28169	1.28169	0.010	-1.91239	20.00000	Averaged
6 2-Chlorophenol	1.47378	1.45992	1.45992	0.010	-0.94077	20.00000	Averaged
7 1,3-Dichlorobenzene	1.71678	1.69640	1.69640	0.010	-1.18725	20.00000	Averaged
9 1,4-Dichlorobenzene	1.68189	1.70428	1.70428	0.010	1.33096	20.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.89939	0.91173	0.91173	0.010	1.37210	20.00000	Averaged
12 1,2-Dichlorobenzene	1.56400	1.60389	1.60389	0.010	2.55031	20.00000	Averaged
11 Benzyl alcohol	0.80695	0.83637	0.83637	0.010	3.64640	20.00000	Averaged
14 2,2'-oxybis(1-Chloropropane	1.39331	1.53030	1.53030	0.010	9.83146	20.00000	Averaged
13 2-Methylphenol	1.27111	1.29222	1.29222	0.010	1.66086	20.00000	Averaged
17 Hexachloroethane	0.60757	0.62885	0.62885	0.010	3.50231	20.00000	Averaged
16 N-Nitroso-di-n-propylamine	0.88368	0.88422	0.88422	0.005	0.06085	20.00000	Averaged
15 4-Methylphenol	1.25486	1.34244	1.34244	0.010	6.97899	20.00000	Averaged
$ 18 Nitrobenzene-d5	0.38855	0.37516	0.37516	0.010	-3.44637	20.00000	Averaged
19 Nitrobenzene	0.43075	0.42742	0.42742	0.010	-0.77382	20.00000	Averaged
20 Isophorone	0.68600	0.69085	0.69085	0.010	0.70631	20.00000	Averaged
21 2-Nitrophenol	0.25274	0.26733	0.26733	0.010	5.77075	20.00000	Averaged
22 2,4-Dimethylphenol	0.41587	0.41651	0.41651	0.010	0.15500	20.00000	Averaged
23 Bis(2-Chloroethoxy)methane	0.47536	0.48103	0.48103	0.010	1.19284	20.00000	Averaged
24 Benzoic acid	0.30742	0.28383	0.28383	0.010	-7.67249	20.00000	Averaged
25 2,4-Dichlorophenol	0.36413	0.39446	0.39446	0.010	8.32866	20.00000	Averaged
26 1,2,4-Trichlorobenzene	0.39778	0.40339	0.40339	0.010	1.41076	20.00000	Averaged
28 Naphthalene	1.13038	1.15967	1.15967	0.010	2.59093	20.00000	Averaged
29 4-Chloroaniline	0.45282	0.45037	0.45037	0.010	-0.54076	20.00000	Averaged
30 Hexachlorobutadiene	0.23198	0.24129	0.24129	0.010	4.01447	20.00000	Averaged
31 4-Chloro-3-methylphenol	0.35105	0.35899	0.35899	0.010	2.26150	20.00000	Averaged
32 2-Methylnaphthalene	0.62036	0.62725	0.62725	0.010	1.11096	20.00000	Averaged
33 Hexachlorocyclopentadiene	22.79033	25.00000	0.37907	0.010	-8.83868	20.00000	Linear
34 2,4,6-Trichlorophenol	0.45790	0.49356	0.49356	0.010	7.78746	20.00000	Averaged
35 2,4,5-Trichlorophenol	0.47246	0.50008	0.50008	0.010	5.84577	20.00000	Averaged
$ 36 2-Fluorobiphenyl	1.40011	1.34671	1.34671	0.010	-3.81409	20.00000	Averaged
37 2-Chloronaphthalene	1.32938	1.34818	1.34818	0.010	1.41445	20.00000	Averaged

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 17-AUG-2010 10:03
Lab File ID: 08171001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0817 Quant Type: ISTD
Method: /chem1/nt6.i/20100817.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Nitroaniline	0.33095	0.31359	0.31359	0.010	-5.24467	20.00000	Averaged	
39 Dimethylphthalate	1.50119	1.42597	1.42597	0.010	-5.01097	20.00000	Averaged	
40 Acenaphthylene	2.05833	2.08759	2.08759	0.010	1.42143	20.00000	Averaged	
41 2,6-Dinitrotoluene	0.35670	0.35654	0.35654	0.010	-0.04392	20.00000	Averaged	
43 3-Nitroaniline	0.31209	0.30318	0.30318	0.010	-2.85329	20.00000	Averaged	
44 Acenaphthene	1.28541	1.26242	1.26242	0.010	-1.78886	20.00000	Averaged	
45 2,4-Dinitrophenol	43.33250	50.00000	0.25403	0.010	-13.33499	20.00000	Linear	
46 Dibenzofuran	1.70738	1.66903	1.66903	0.010	-2.24628	20.00000	Averaged	
47 4-Nitrophenol	0.18552	0.14506	0.14506	0.010	-21.80907	20.00000	Averaged	<-
48 2,4-Dinitrotoluene	0.45944	0.46051	0.46051	0.010	0.23139	20.00000	Averaged	
50 Diethylphthalate	1.39533	1.30804	1.30804	0.010	-6.25574	20.00000	Averaged	
49 Fluorene	1.45467	1.47301	1.47301	0.010	1.26044	20.00000	Averaged	
51 4-Chlorophenyl-phenylether	0.71936	0.72165	0.72165	0.010	0.31785	20.00000	Averaged	
52 4-Nitroaniline	0.34745	0.31606	0.31606	0.010	-9.03279	20.00000	Averaged	
53 4,6-Dinitro-2-methylphenol	0.19806	0.20469	0.20469	0.010	3.34643	20.00000	Averaged	
54 N-Nitrosodiphenylamine	0.68493	0.67298	0.67298	0.010	-1.74465	20.00000	Averaged	
$ 55 2,4,6-Tribromophenol	0.18223	0.21931	0.21931	0.010	20.34839	20.00000	Averaged	<-
56 4-Bromophenyl-phenylether	0.29331	0.30873	0.30873	0.010	5.25949	20.00000	Averaged	
57 Hexachlorobenzene	0.30899	0.33747	0.33747	0.010	9.21913	20.00000	Averaged	
58 Pentachlorophenol	0.18262	0.17779	0.17779	0.010	-2.64499	20.00000	Averaged	
60 Phenanthrene	1.24231	1.23016	1.23016	0.010	-0.97825	20.00000	Averaged	
61 Anthracene	1.28336	1.29714	1.29714	0.010	1.07372	20.00000	Averaged	
62 Carbazole	1.19107	1.15564	1.15564	0.010	-2.97432	20.00000	Averaged	
63 Di-n-butylphthalate	1.45976	1.47536	1.47536	0.010	1.06903	20.00000	Averaged	
64 Fluoranthene	1.34612	1.43896	1.43896	0.010	6.89658	20.00000	Averaged	
65 Pyrene	1.20453	1.24855	1.24855	0.010	3.65405	20.00000	Averaged	
$ 66 Terphenyl-d14	0.70850	0.74871	0.74871	0.010	5.67478	20.00000	Averaged	
67 Butylbenzylphthalate	0.58237	0.58353	0.58353	0.010	0.19980	20.00000	Averaged	
68 Benzo(a)anthracene	1.15615	1.23926	1.23926	0.010	7.18855	20.00000	Averaged	
70 3,3'-Dichlorobenzidine	0.37517	0.41472	0.41472	0.010	10.54098	20.00000	Averaged	
71 Chrysene	1.08220	1.12200	1.12200	0.010	3.67717	20.00000	Averaged	
72 bis(2-Ethylhexyl)phthalate	0.63407	0.66593	0.66593	0.010	5.02546	20.00000	Averaged	
73 Di-n-octylphthalate	1.08410	1.09573	1.09573	0.010	1.07220	20.00000	Averaged	
74 Benzo(b)fluoranthene	1.33887	1.40020	1.40020	0.010	4.58009	20.00000	Averaged	
75 Benzo(k)fluoranthene	1.38193	1.35318	1.35318	0.010	-2.08054	20.00000	Averaged	

Analytical Resources, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: nt6.i Injection Date: 17-AUG-2010 10:03
Lab File ID: 08171001.D Init. Cal. Date(s): 23-JUL-2010 23-JUL-2010
Analysis Type: Init. Cal. Times: 15:01 18:38
Lab Sample ID: CC0817 Quant Type: ISTD
Method: /chem1/nt6.i/20100817.b/SW846072310.m

COMPOUND	RRF / AMOUNT	RF25	CCAL RRF25	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
187 Total Benzofluoranthenes	1.28781	1.28833	1.28833	0.010	0.04046	20.00000	Averaged
76 Benzo(a)pyrene	1.26119	1.26577	1.26577	0.010	0.36326	20.00000	Averaged
78 Indeno(1,2,3-cd)pyrene	1.68718	1.71198	1.71198	0.010	1.46993	20.00000	Averaged
79 Dibenzo(a,h)anthracene	1.29650	1.34958	1.34958	0.010	4.09417	20.00000	Averaged
80 Benzo(g,h,i)perylene	1.52194	1.48812	1.48812	0.010	-2.22218	20.00000	Averaged
90 N-Nitrosodimethylamine	0.86213	0.87530	0.87530	0.010	1.52725	20.00000	Averaged
103 Pyridine	1.54116	1.60165	1.60165	0.010	3.92471	20.00000	Averaged
91 Aniline	1.95218	1.86382	1.86382	0.010	-4.52651	20.00000	Averaged
105 1-methylnaphthalene	0.64079	0.65317	0.65317	0.010	1.93282	20.00000	Averaged

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100817.b/08171001.D
Lab Smp Id: CC0817 Client Smp ID: CC0817
Inj Date : 17-AUG-2010 10:03
Operator : JZ Inst ID: nt6.i
Smp Info : CC0817
Misc Info : 10-
Comment : 1ul Injection
Method : /chem1/nt6.i/20100817.b/SW846072310.m
Meth Date : 17-Aug-2010 11:06 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICALS.sub
Target Version: 3.50

08/17/10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	AMOUNTS ON-COL (ug/mL)
$	1 2-Fluorophenol	112	4.911	4.911	(0.706)	243653	25.0000	24.98
$	2 Phenol-d5	99	6.631	6.631	(0.954)	276909	25.0000	24.58
	3 Phenol	94	6.652	6.652	(0.957)	320263	25.0000	25.59
$	5 2-Chlorophenol-d4	132	6.658	6.658	(0.958)	233408	25.0000	24.53
	4 Bis(2-Chloroethyl)ether	93	6.658	6.658	(0.958)	235239	25.0000	24.52
	6 2-Chlorophenol	128	6.684	6.684	(0.962)	267951	25.0000	24.76
	7 1,3-Dichlorobenzene	146	6.882	6.882	(0.990)	311355	25.0000	24.70
*	8 1,4-Dichlorobenzene-d4	152	6.951	6.951	(1.000)	146831	20.0000	
	9 1,4-Dichlorobenzene	146	6.973	6.973	(1.003)	312801	25.0000	25.33
$	10 1,2-Dichlorobenzene-d4	152	7.251	7.251	(1.043)	167338	25.0000	25.34
	12 1,2-Dichlorobenzene	146	7.272	7.272	(1.046)	294376	25.0000	25.64
	11 Benzyl alcohol	108	7.293	7.293	(1.049)	153507	25.0000	25.91
	14 2,2'-oxybis(1-Chloropropane)	45	7.550	7.550	(1.086)	280869	25.0000	27.46
	13 2-Methylphenol	108	7.582	7.582	(1.091)	237172	25.0000	25.42
	17 Hexachloroethane	117	7.758	7.758	(1.116)	115418	25.0000	25.88
	16 N-Nitroso-di-n-propylamine	70	7.774	7.774	(1.118)	162288	25.0000	25.02
	15 4-Methylphenol	108	7.827	7.827	(1.126)	246389	25.0000	26.74
$	18 Nitrobenzene-d5	82	7.908	7.908	(0.877)	221194	25.0000	24.14
	19 Nitrobenzene	77	7.940	7.940	(0.881)	252006	25.0000	24.81
	20 Isophorone	82	8.335	8.335	(0.925)	407322	25.0000	25.18
	21 2-Nitrophenol	139	8.463	8.463	(0.939)	157614	25.0000	26.44
	22 2,4-Dimethylphenol	107	8.650	8.650	(0.960)	245574	25.0000	25.04
	23 Bis(2-Chloroethoxy)methane	93	8.767	8.767	(0.973)	283611	25.0000	25.30
	24 Benzoic acid	105	8.960	8.960	(0.994)	334689	50.0000	46.16
	25 2,4-Dichlorophenol	162	8.874	8.874	(0.985)	232570	25.0000	27.08
	26 1,2,4-Trichlorobenzene	180	8.965	8.965	(0.995)	237837	25.0000	25.35
*	27 Naphthalene-d8	136	9.013	9.013	(1.000)	471677	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	9.045	9.045	(1.004)	683736	25.0000	25.65
	29 4-Chloroaniline	127	9.227	9.227	(1.024)	265538	25.0000	24.86
	30 Hexachlorobutadiene	225	9.382	9.382	(1.041)	142265	25.0000	26.00
	31 4-Chloro-3-methylphenol	107	10.097	10.097	(1.120)	211659	25.0000	25.57
	32 2-Methylnaphthalene	141	10.167	10.167	(1.128)	369823	25.0000	25.28
	33 Hexachlorocyclopentadiene	237	10.546	10.546	(0.890)	128588	25.0000	22.79
	34 2,4,6-Trichlorophenol	196	10.712	10.712	(0.904)	167424	25.0000	26.95
	35 2,4,5-Trichlorophenol	196	10.770	10.770	(0.909)	169638	25.0000	26.46
$	36 2-Fluorobiphenyl	172	10.824	10.824	(0.913)	456831	25.0000	24.05
	37 2-Chloronaphthalene	162	10.931	10.931	(0.922)	457330	25.0000	25.35
	38 2-Nitroaniline	65	11.198	11.198	(0.945)	106377	25.0000	23.69
	39 Dimethylphthalate	163	11.593	11.593	(0.978)	483716	25.0000	23.75
	40 Acenaphthylene	152	11.598	11.598	(0.979)	708153	25.0000	25.36
	41 2,6-Dinitrotoluene	165	11.673	11.673	(0.985)	120946	25.0000	24.99
*	42 Acenaphthene-d10	164	11.849	11.849	(1.000)	271376	20.0000	
	43 3-Nitroaniline	138	11.881	11.881	(1.003)	102846	25.0000	24.29
	44 Acenaphthene	153	11.897	11.897	(1.004)	428237	25.0000	24.55
	45 2,4-Dinitrophenol	184	12.052	12.052	(1.017)	172341	50.0000	43.33
	46 Dibenzofuran	168	12.164	12.164	(1.027)	566169	25.0000	24.44
	47 4-Nitrophenol	109	12.271	12.271	(1.036)	49207	25.0000	19.55
	48 2,4-Dinitrotoluene	165	12.293	12.293	(1.037)	156213	25.0000	25.06
	50 Diethylphthalate	149	12.741	12.741	(1.075)	443715	25.0000	23.44
	49 Fluorene	166	12.714	12.714	(1.073)	499673	25.0000	25.32
	51 4-Chlorophenyl-phenylether	204	12.763	12.763	(1.077)	244798	25.0000	25.08
	52 4-Nitroaniline	138	12.864	12.864	(1.086)	107215	25.0000	22.74
	53 4,6-Dinitro-2-methylphenol	198	12.944	12.944	(0.912)	223839	50.0000	51.67
	54 N-Nitrosodiphenylamine	169	12.982	12.982	(0.915)	367970	25.0000	24.56
$	55 2,4,6-Tribromophenol	330	13.136	13.136	(1.109)	74396	25.0000	30.09
	56 4-Bromophenyl-phenylether	248	13.532	13.532	(0.953)	168809	25.0000	26.31
	57 Hexachlorobenzene	284	13.724	13.724	(0.967)	184523	25.0000	27.30
	58 Pentachlorophenol	266	14.050	14.050	(0.990)	97212	25.0000	24.34
*	59 Phenanthrene-d10	188	14.194	14.194	(1.000)	437424	20.0000	
	60 Phenanthrene	178	14.226	14.226	(1.002)	672627	25.0000	24.76
	61 Anthracene	178	14.301	14.301	(1.008)	709248	25.0000	25.27
	62 Carbazole	167	14.611	14.611	(1.029)	631883	25.0000	24.26
	63 Di-n-butylphthalate	149	15.374	15.374	(1.083)	806700	25.0000	25.27
	64 Fluoranthene	202	16.138	16.138	(1.137)	786795	25.0000	26.72
	65 Pyrene	202	16.480	16.480	(0.893)	775335	25.0000	25.91
$	66 Terphenyl-d14	244	16.843	16.843	(0.913)	464940	25.0000	26.42
	67 Butylbenzylphthalate	149	17.756	17.756	(0.962)	362367	25.0000	25.05
	68 Benzo(a)anthracene	228	18.435	18.435	(0.999)	769568	25.0000	26.80
*	69 Chrysene-d12	240	18.456	18.456	(1.000)	496791	20.0000	
	70 3,3'-Dichlorobenzidine	252	18.483	18.483	(1.001)	257537	25.0000	27.64
	71 Chrysene	228	18.499	18.499	(1.002)	696748	25.0000	25.92
	72 bis(2-Ethylhexyl)phthalate	149	18.777	18.777	(0.953)	492567	25.0000	26.26
*	134 Di-n-octylphthalate-d4	153	19.711	19.711	(1.000)	591733	20.0000	
	73 Di-n-octylphthalate	149	19.717	19.717	(1.000)	810473	25.0000	25.27

	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	20.074	20.074	(0.975)	859815	25.0000	26.15
75	Benzo(k)fluoranthene	252	20.107	20.107	(0.977)	830943	25.0000	24.48
187	Total Benzofluoranthenes	252	20.107	20.107	(0.977)	1582246	50.0000	50.02
76	Benzo(a)pyrene	252	20.507	20.507	(0.996)	777266	25.0000	25.09
* 77	Perylene-d12	264	20.587	20.587	(1.000)	491254	20.0000	
78	Indeno(1,2,3-cd)pyrene	276	21.939	21.939	(1.066)	1051274	25.0000	25.37
79	Dibenzo(a,h)anthracene	278	21.971	21.971	(1.067)	828736	25.0000	26.02
80	Benzo(g,h,i)perylene	276	22.232	22.232	(1.080)	913809	25.0000	24.44
90	N-Nitrosodimethylamine	74	2.022	2.022	(0.291)	160651	25.0000	25.38
103	Pyridine	79	2.006	2.006	(0.289)	293965	25.0000	25.98
91	Aniline	93	6.513	6.513	(0.937)	342083	25.0000	23.87
105	1-methylnaphthalene	141	10.332	10.332	(1.146)	385107	25.0000	25.48

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08171001.D
Lab Smp Id: CC0817
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100817.b/SW846072310.m
Misc Info: 10-

Calibration Date: 17-AUG-2010
Calibration Time: 10:03
Client Smp ID: CC0817
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	182786	91393	365572	146831	-19.67
27 Naphthalene-d8	584137	292068	1168274	471677	-19.25
42 Acenaphthene-d10	320442	160221	640884	271376	-15.31
59 Phenanthrene-d10	503793	251896	1007586	437424	-13.17
69 Chrysene-d12	532343	266172	1064686	496791	-6.68
134 Di-n-octylphthala	719428	359714	1438856	591733	-17.75
77 Perylene-d12	517269	258634	1034538	491254	-5.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
8 1,4-Dichlorobenze	6.95	6.45	7.45	6.95	0.00
27 Naphthalene-d8	9.01	8.51	9.51	9.01	0.00
42 Acenaphthene-d10	11.85	11.35	12.35	11.85	0.00
59 Phenanthrene-d10	14.19	13.69	14.69	14.19	0.00
69 Chrysene-d12	18.46	17.96	18.96	18.46	0.00
134 Di-n-octylphthala	19.71	19.21	20.21	19.71	0.00
77 Perylene-d12	20.59	20.09	21.09	20.59	0.00

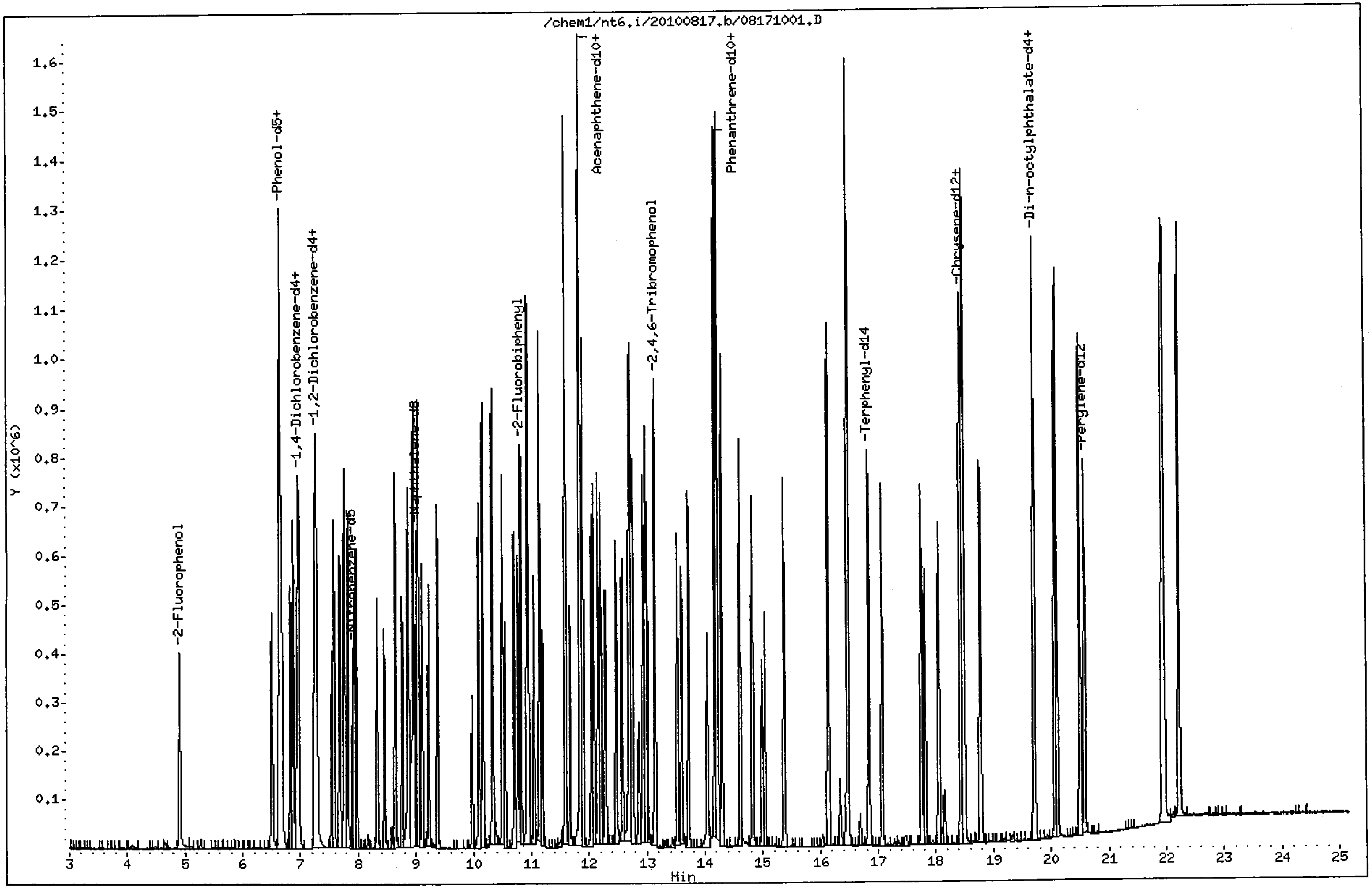
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: /chem1/nt6.i/20100817.b/08171001.D
Date : 17-AUG-2010 10:03
Client ID: CC0817
Sample Info: CC0817

Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ
Column diameter: 0.32



Data File: /chem1/nt6.i/20100817.b/tune.b/08171001.D

Date : 17-AUG-2010 10:03

Client ID: DFTPP0817

Instrument: nt6.i

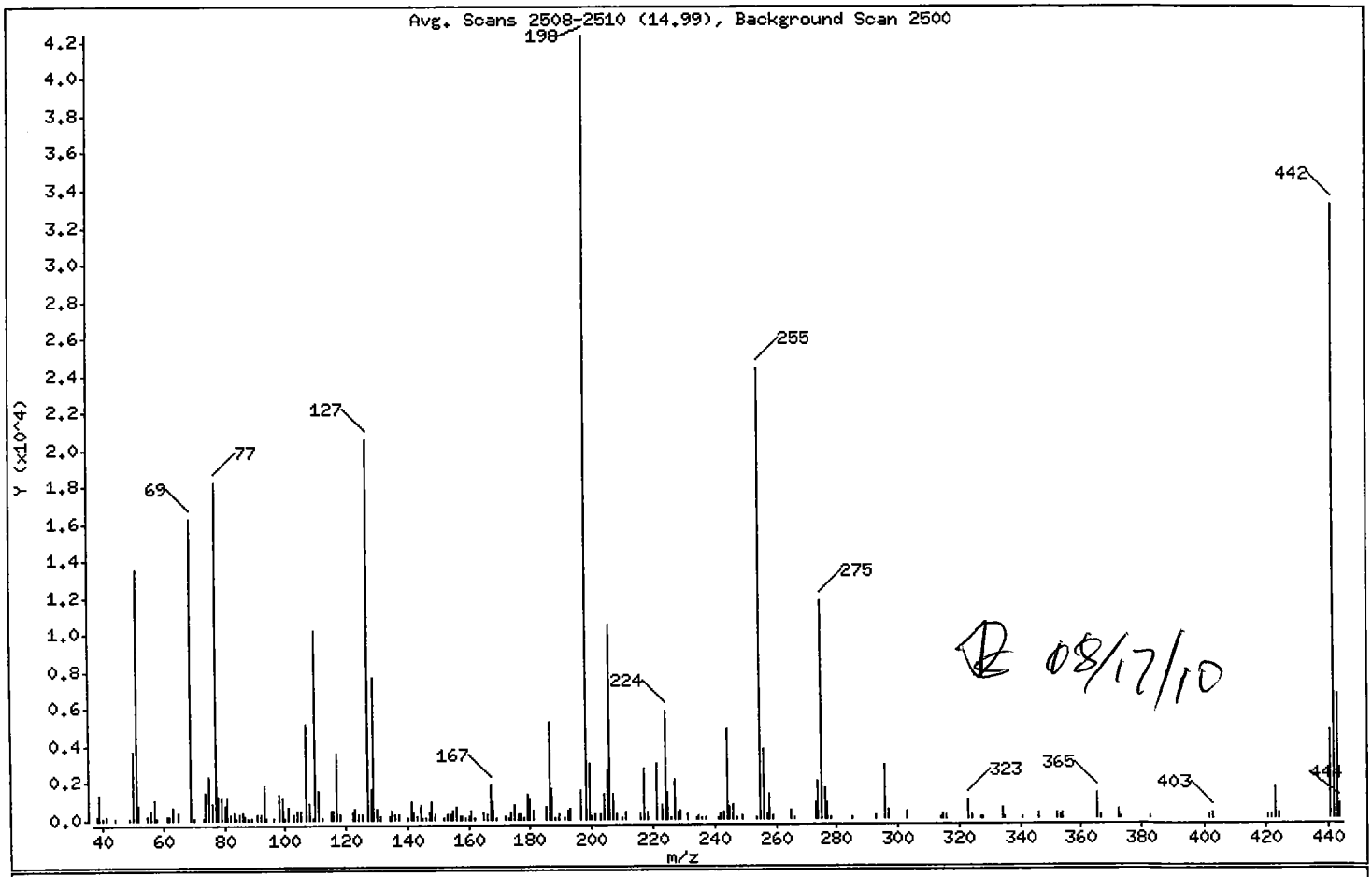
Sample Info: DFTPP0817

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

1 dftpp



08/17/10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	31.87
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	38.38
70	Less than 2.00% of mass 69	0.12 (0.31)
127	10.00 - 80.00% of mass 198	48.61
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.14
275	10.00 - 60.00% of mass 198	27.71
365	Greater than 1.00% of mass 198	3.17
441	0.01 - 24.00% of mass 442	11.19 (14.28)
442	50.00 - 200.00% of mass 198	78.33
443	15.00 - 24.00% of mass 442	15.89 (20.28)

Data File: /chem1/nt6.i/20100817.b/tune.b/08171001.D

Date : 17-AUG-2010 10:03

Client ID: DFTPP0817 Instrument: nt6.i

Sample Info: DFTPP0817

Operator: JZ

Column phase: ZB-5msi Column diameter: 0.25

Data File: 08171001.D
Spectrum: Avg. Scans 2508-2510 (14.99), Background Scan 2500
Location of Maximum: 198.00
Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	217	110.00	10212	177.00	340	255.00	24376
39.00	1339	111.00	1591	178.00	51	256.00	3782
40.00	61	112.00	83	179.00	1396	257.00	267
41.00	149	115.00	494	180.00	1072	258.00	1336
44.00	51	116.00	521	181.00	458	259.00	225
49.00	112	117.00	3585	185.00	676	265.00	532
50.00	3655	118.00	250	186.00	5280	266.00	53
51.00	13507	122.00	423	187.00	1674	273.00	888
52.00	791	123.00	591	188.00	70	274.00	2090
55.00	225	124.00	249	189.00	309	275.00	11744
56.00	471	125.00	311	191.00	123	276.00	1651
57.00	1079	127.00	20600	192.00	447	277.00	909
58.00	69	128.00	1609	193.00	602	278.00	120
61.00	208	129.00	7702	196.00	1536	285.00	145
62.00	237	130.00	620	198.00	42376	293.00	196
63.00	677	131.00	158	199.00	3024	296.00	2931
65.00	359	134.00	241	200.00	227	297.00	502
69.00	16266	135.00	521	201.00	269	303.00	380
70.00	51	136.00	285	203.00	318	314.00	135
73.00	132	137.00	309	204.00	1412	315.00	256
74.00	1502	140.00	111	205.00	2628	316.00	224
75.00	2312	141.00	931	206.00	10550	323.00	985
76.00	855	142.00	389	207.00	1373	324.00	200
77.00	18192	143.00	224	208.00	279	327.00	107
78.00	1312	144.00	820	210.00	57	328.00	76
79.00	1131	145.00	81	211.00	431	334.00	591
80.00	791	146.00	134	216.00	272	335.00	67
81.00	1167	147.00	427	217.00	2744	341.00	53
82.00	325	148.00	945	218.00	364	346.00	261
83.00	387	149.00	256	221.00	3056	352.00	316
84.00	106	152.00	115	223.00	733	353.00	224
85.00	272	153.00	278	224.00	5892	354.00	336
86.00	372	154.00	284	225.00	1440	365.00	1345
87.00	150	155.00	523	226.00	70	366.00	225
88.00	56	156.00	729	227.00	2137	372.00	508

Data File: /chem1/nt6.i/20100817.b/tune.b/08171001.D

Date : 17-AUG-2010 10:03

Client ID: DFTPP0817

Instrument: nt6.i

Sample Info: DFTPP0817

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25

Data File: 08171001.D

Spectrum: Avg. Scans 2508-2510 (14.99), Background Scan 2500

Location of Maximum: 198.00

Number of points: 200

m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.00	53	157.00	229	228.00	343	373.00	102
91.00	336	158.00	172	229.00	524	383.00	132
92.00	301	159.00	63	231.00	245	402.00	147
93.00	1837	160.00	238	234.00	52	403.00	271
94.00	114	161.00	487	235.00	184	421.00	221
96.00	54	162.00	53	236.00	60	422.00	216
98.00	1382	165.00	365	237.00	126	423.00	1625
99.00	1150	166.00	253	241.00	110	424.00	313
100.00	58	167.00	1806	242.00	288	441.00	4741
101.00	707	168.00	944	243.00	351	442.00	33192
103.00	257	169.00	142	244.00	4843	443.00	6732
104.00	472	172.00	221	245.00	709	444.00	735
105.00	443	173.00	141	246.00	763		
107.00	5161	174.00	370	247.00	134		
108.00	900	175.00	754	249.00	170		
109.00	72	176.00	269	254.00	54		

Data File: /chem1/nt6.i/20100817.b/tune.b/08171001.D

Date : 17-AUG-2010 10:03

Client ID: DFTPP0817

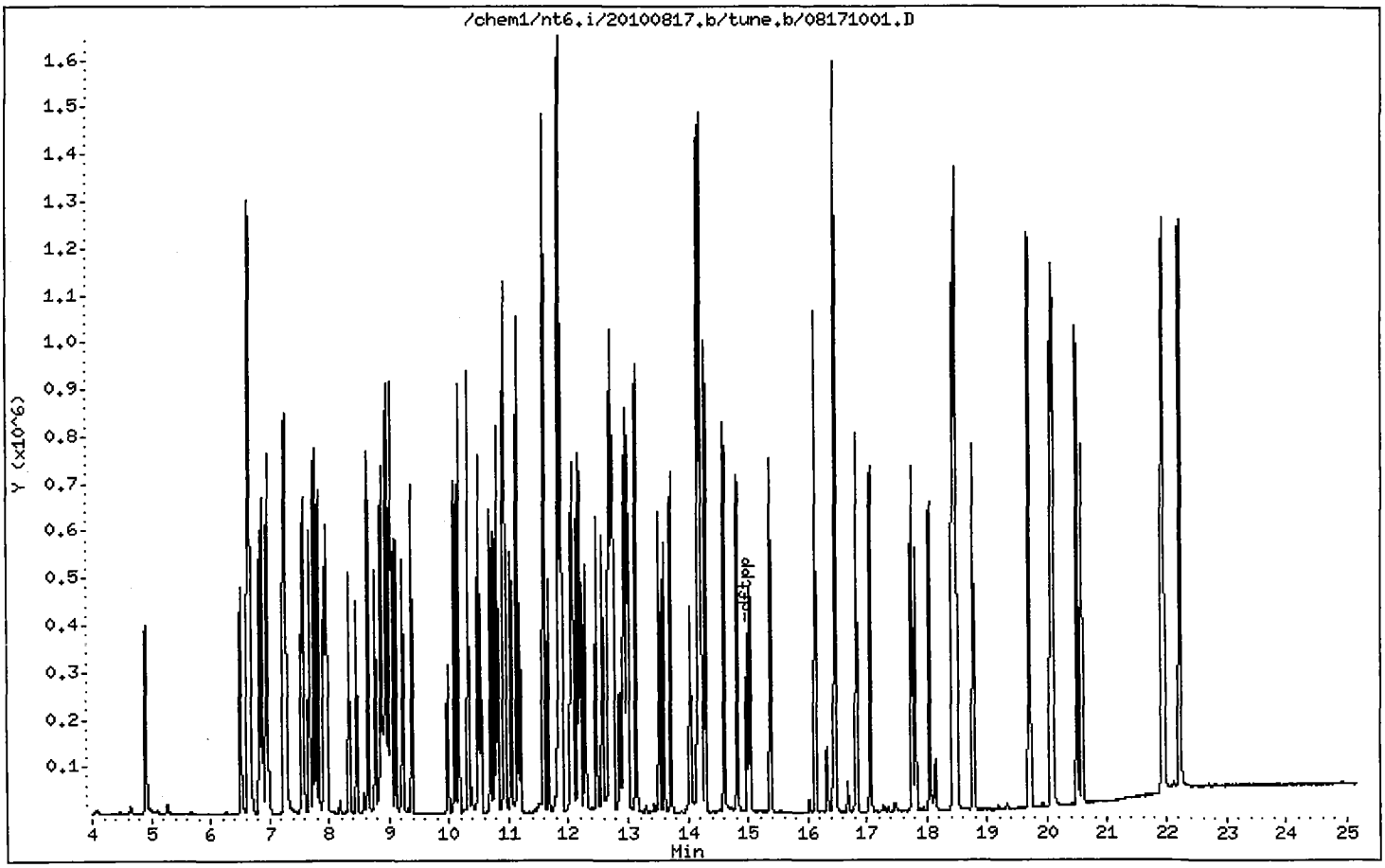
Instrument: nt6.i

Sample Info: DFTPP0817

Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.25



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

Data file: /chem1/nt6.i/20100817.b/ddt.b/08171001.D ARI ID: CC0817
Method: /chem1/nt6.i/20100817.b/ddt.b/sw846ddt.m Misc: 10-
Analysis Date: 17-AUG-2010 10:03 Instrument: nt6.i

COMPOUND	RT	AREA
Pentachlorophenol	14.050	97212
Benzidine	16.437	73075
4,4'-DDE	----	----
4,4'-DDD	17.356	4294
4,4'-DDT	17.815	215126

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

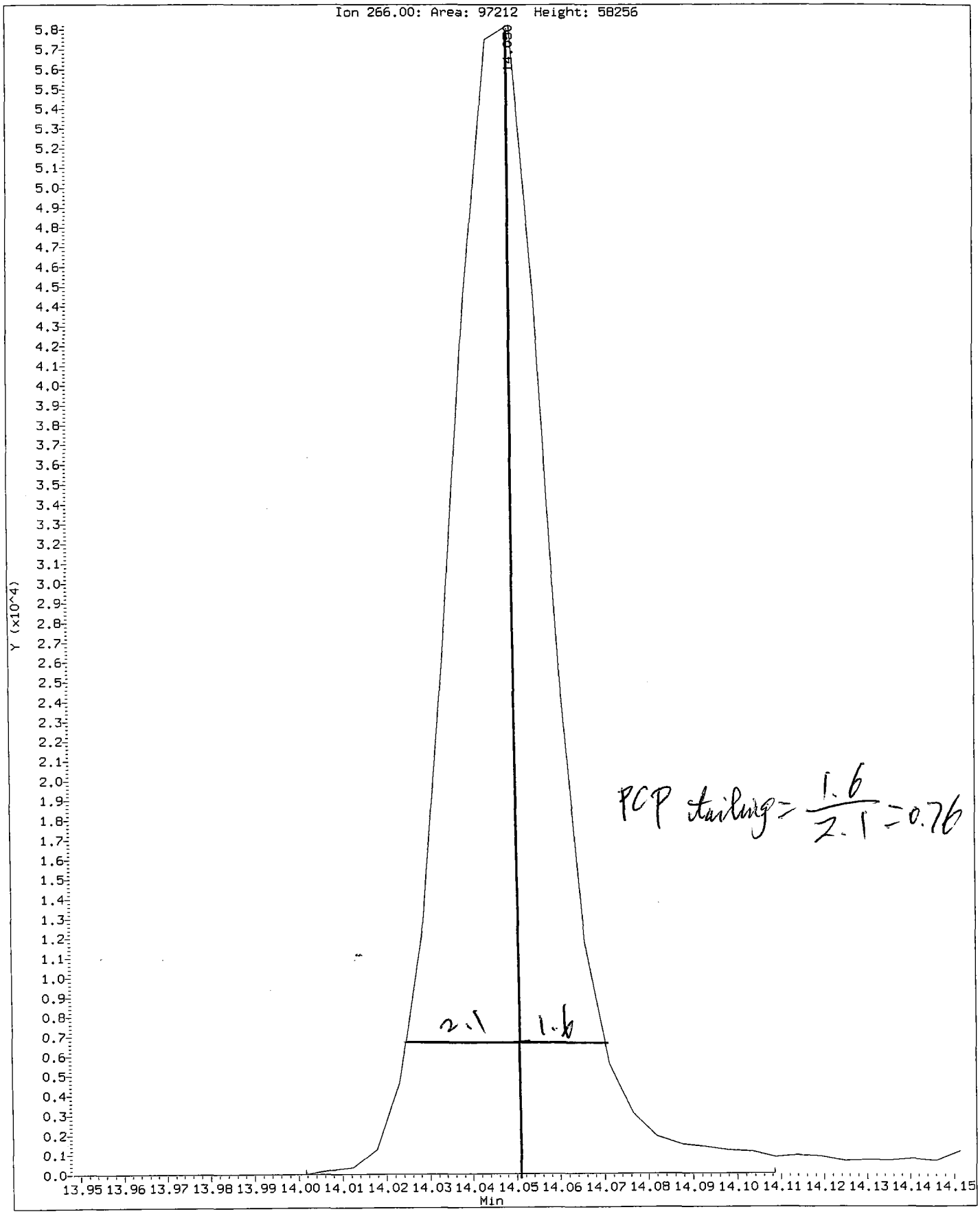
$$\text{DDT Percent Breakdown} = \frac{(0 + 4294) * 100}{(0 + 4294 + 215126)}$$

DDT Percent Breakdown = 2.0 %

08/17/10

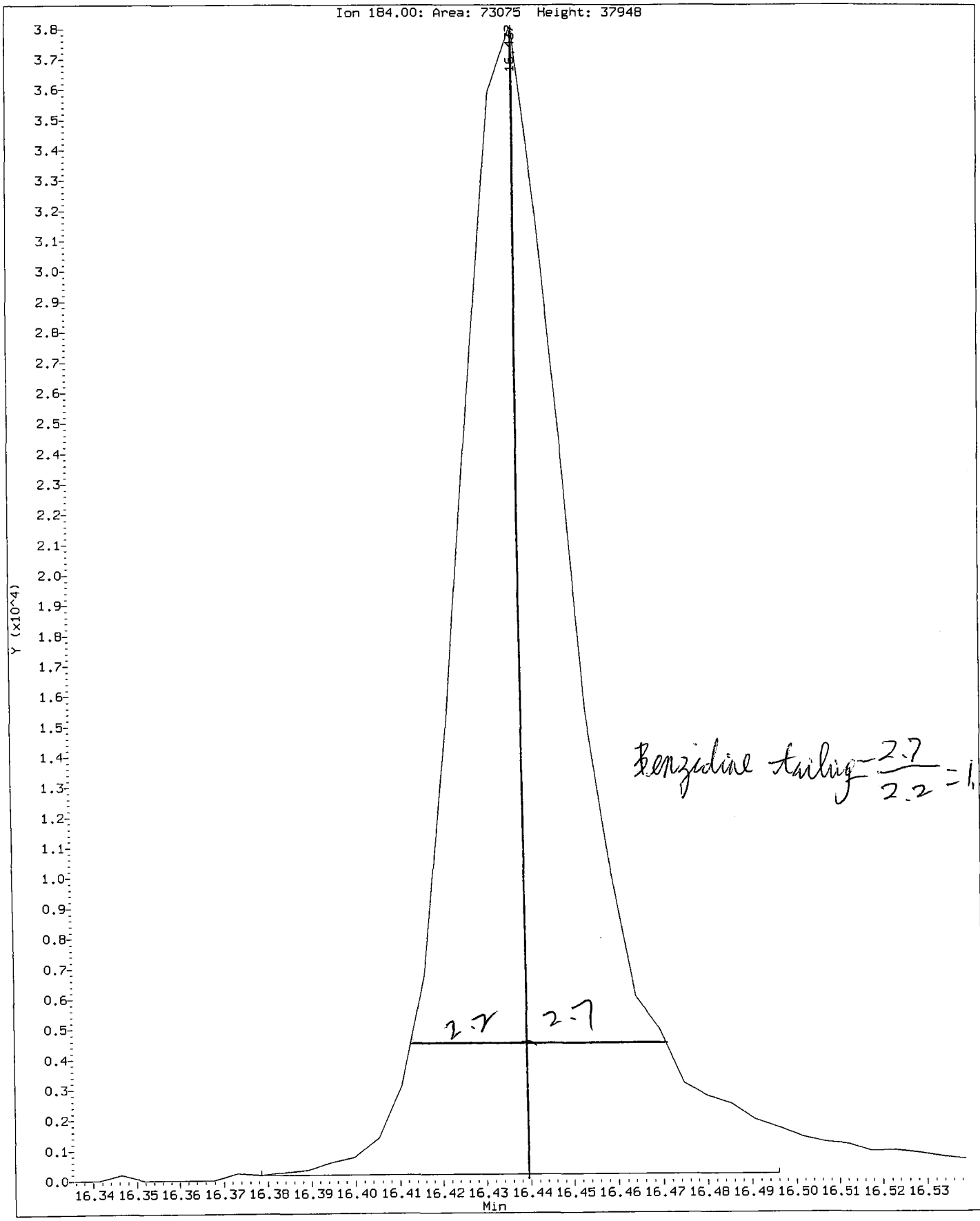
Data File: /chem1/nt6.i/20100817.b/ddt.b/08171001.D
Injection Date: 17-AUG-2010 10:03
Instrument: nt6.i
Client Sample ID: CC0817

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: /chem1/nt6.i/20100817.b/ddt.b/08171001.D
Injection Date: 17-AUG-2010 10:03
Instrument: nt6.i
Client Sample ID: CC0817

Compound: Benzidine
CAS Number:



Benzidine tailing $= \frac{2.7}{2.2} = 1.23$

Analytical Resources, Inc.

Semivolatile Report SW846 Method 8270D

Data file : /chem1/nt6.i/20100817.b/08171018.D
Lab Smp Id: RG58I Client Smp ID: PSB23-2-4-072910
Inj Date : 17-AUG-2010 19:33
Operator : JZ Inst ID: nt6.i
Smp Info : RG58I
Misc Info : 10-18244
Comment : 1ul Injection
Method : /chem1/nt6.i/20100817.b/SW846072310.m
Meth Date : 18-Aug-2010 11:58 jianqing Quant Type: ISTD
Cal Date : 23-JUL-2010 18:38 Cal File: 07231007.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pnas.sub
Target Version: 3.50

08/18/10

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	27.30000	Weight of sample extracted (g)
M	7.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
* 27 Naphthalene-d8	136	9.007	9.013	(1.000)	544376	20.0000	
28 Naphthalene	128	Compound Not Detected.					
32 2-Methylnaphthalene	141	Compound Not Detected.					
105 1-methylnaphthalene	141	Compound Not Detected.					
$ 36 2-Fluorobiphenyl	172	10.823	10.824	(0.913)	420793	19.3933	381.9
40 Acenaphthylene	152	Compound Not Detected.					
* 42 Acenaphthene-d10	164	11.848	11.849	(1.000)	309944	20.0000	
44 Acenaphthene	153	Compound Not Detected.					
46 Dibenzofuran	168	Compound Not Detected.					
49 Fluorene	166	Compound Not Detected.					
* 59 Phenanthrene-d10	188	14.188	14.194	(1.000)	496087	20.0000	
60 Phenanthrene	178	Compound Not Detected.					
61 Anthracene	178	Compound Not Detected.					
64 Fluoranthene	202	Compound Not Detected.					
65 Pyrene	202	16.479	16.480	(0.893)	20393	0.54575	10.75

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/kg)
$	66 Terphenyl-d14	244	16.842	16.843	(0.913)	440394	20.0370	394.6
	68 Benzo(a)anthracene	228	Compound Not Detected.					
*	69 Chrysene-d12	240	18.455	18.456	(1.000)	620437	20.0000	
	71 Chrysene	228	Compound Not Detected.					
	187 Total Benzofluoranthenes	252	Compound Not Detected.					
	76 Benzo(a)pyrene	252	Compound Not Detected.					
*	77 Perylene-d12	264	20.592	20.587	(1.000)	645398	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.					

Analytical Resources, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: nt6.i
Lab File ID: 08171018.D
Lab Smp Id: RG58I
Analysis Type: SV
Quant Type: ISTD
Operator: JZ
Method File: /chem1/nt6.i/20100817.b/SW846072310.m
Misc Info: 10-18244

Calibration Date: 17-AUG-2010
Calibration Time: 10:03
Client Smp ID: PSB23-2-4-072910
Level: LOW
Sample Type: Soil

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	584137	292068	1168274	544376	-6.81
42 Acenaphthene-d10	320442	160221	640884	309944	-3.28
59 Phenanthrene-d10	503793	251896	1007586	496087	-1.53
69 Chrysene-d12	532343	266172	1064686	620437	16.55
77 Perylene-d12	517269	258634	1034538	645398	24.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
27 Naphthalene-d8	9.01	8.51	9.51	9.01	-0.07
42 Acenaphthene-d10	11.85	11.35	12.35	11.85	-0.01
59 Phenanthrene-d10	14.19	13.69	14.69	14.19	-0.04
69 Chrysene-d12	18.46	17.96	18.96	18.46	0.00
77 Perylene-d12	20.59	20.09	21.09	20.59	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

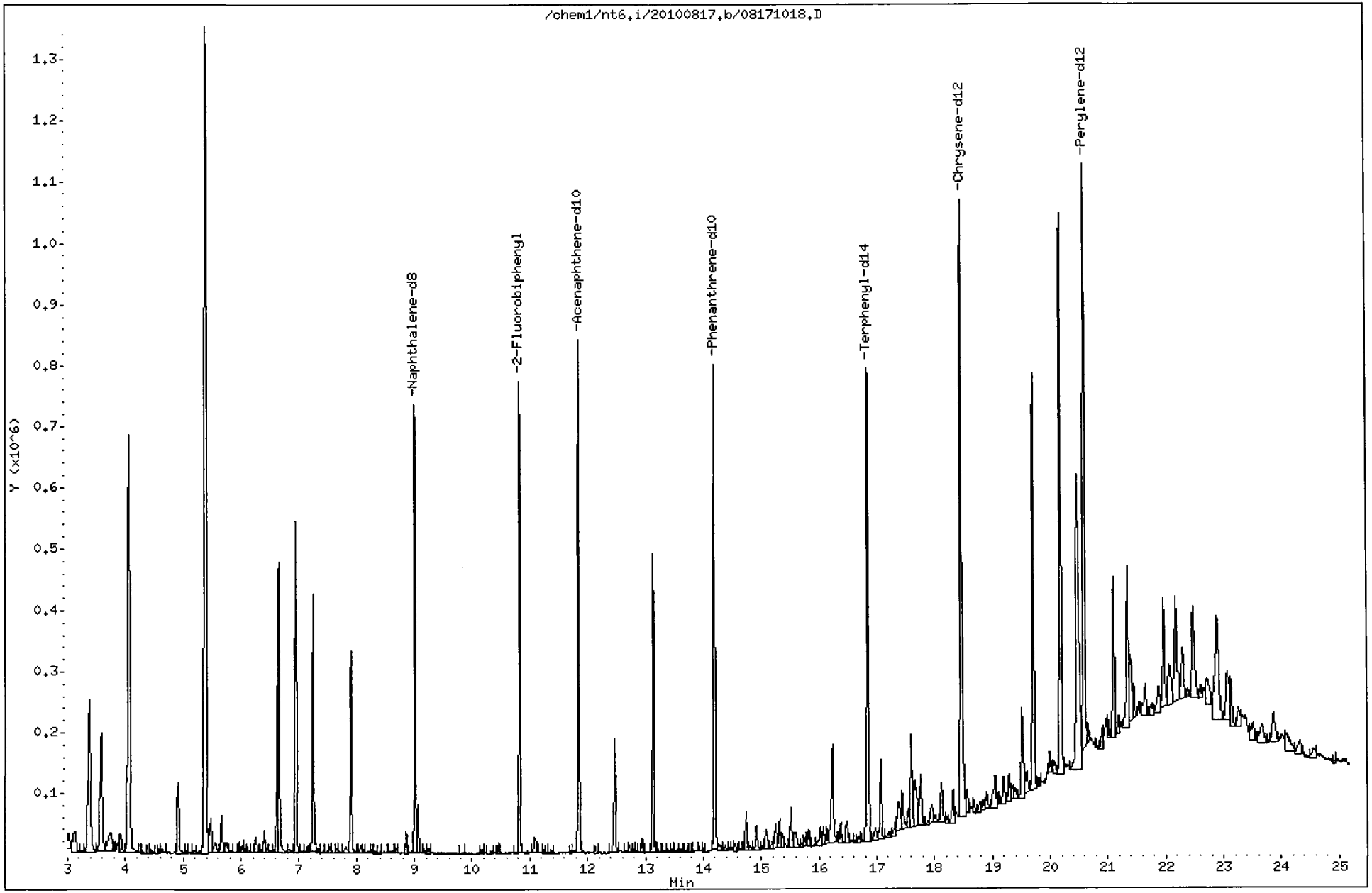
Client Name: Floyd/Snider
Client SDG: RG58
Sample Matrix: SOLID
Fraction: SV
Lab Smp Id: RG58I
Client Smp ID: PSB23-2-4-072910
Level: LOW
Operator: JZ
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: pnaslcss.spk
Quant Type: ISTD
Sublist File: pnas.sub
Method File: /chem1/nt6.i/20100817.b/SW846072310.m
Misc Info: 10-18244

SURROGATE COMPOUND	CONC ADDED ug/kg	CONC RECOVERED ug/kg	% RECOVERED	LIMITS
$ 36 2-Fluorobiphenyl	492.3	381.9	77.57	34-100
$ 66 Terphenyl-d14	492.3	394.6	80.15	35-112

Data File: /chem1/nt6.i/20100817.b/08171018.D
Date : 17-AUG-2010 19:33
Client ID: PSB23-2-4-072910
Sample Info: RG58I
Volume Injected (uL): 1.0
Column phase: ZB-5msi

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

RG58:66855



PCP/Chlorophenols Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG58

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

8041 PCP – Soil / Sediment
Sonication (3550B) (SOP # 3304S)

Preparation Test PCP # 3

In-House (6.25ppb)

ARI Job No(s) RG58

Batch set up by: SH

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (wet wt)	Sonic Horn ID	KD Exchange To Hexane (X2)	Turbo Vap 1 2 3	Final Effective Volume	Volume to Lab	Derivitize	Comments
	RG58 MB	Date 8/10/10	10.00g	12			25mL	1-2mL		
	SB	↓	↓	11			↓	↓		
	A	checked	1g 13	10						
	B		1g 27	9						
	C		1g 07	8						
	D		1g 02	7						
	E		1g 11	6						
	F		1g 08	5						
	G		1g 03	4						
	H		1g 12	3						
	I		1g 17	2						
	IMS		1g 18	1						
	IMSD		1g 18	12						
	J		1g 09	11						
	K		1g 39	10						
	L		1g 06	9						
	M		1g 08	8						
	N		1g 18	7						
	O		1g 05	6						
	P		1g 35	5						
	Q		1g 10	4						
	R		1g 16	3						
	S		1g 30	2	TS/RR					
Analyst/Date	WC	8/10/10 (weight)	AR 08/11/10		8-11-10	WC 8/11/10				

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
Surrogate	F 16683-3	50µL 12.5	12/09/10	WC	WC
Spike	6 1702-2	50µL 12.5	12.5 2/18/11	WC	WC
Extraction Time: 18:45	Balance ID: ~~4150193~~	Derivitized by:		Diazald ID:	

SPECIAL INSTRUCTIONS: 1. Weigh into 100mL beakers. 2. Use neutral sulfate to dry samples.

3. Acidify all with ¼ pipet conc. Sulfuric Acid. 4. Add surr/spike. 5. Leave in DCM overnight. 6. Extract 3X DCM.

7. Pour directly into KD (NO Glasswool). 8. KD to 5mL at 80°. 9. Exchange (2 X with 20mL) Hexane at 100°.

10. *Note: if filtering is necessary: Pre-rinse filter with 0.05% HCL in Acetone+Post Rinse with Hexane or centrifuge.

11. Turbo Vap to 1mL 11. Vial using a pipet into Herb Tubes with a Hexane rinse. 12. GC Analyst to Derivitize.

A. Need Total Solids Y / (N) B. Archive / Freeze Y (N)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG 58

Client ID: Floyd / Snider

Parameter: PCP

Client Project: Lora Lakes RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: (Soil)/Sediment/Solid/Other: Soil	WC 8/4/10
☒ No Anomalies (standard soil/sediment) D, F, Q, E.	↓
☒ Wet sediment/sludge= S	↓
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☒ Rocks/Organics= Rock (A,B,C,G,H,I,J,K,L,M,O,P,R,S,T) Organic (A,B,C,G,H,I,J,L,M,O,P,R,S)	WC 8/4/10
☐ Oily, obvious fuel/sulfur odors=	
☐ Other (Details)=	
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☐ Other Notes/Comments=	

PCP/Chlorophenols Raw Data
Initial Calibration

ARI Job ID: RG58

Analytical Resources, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: PCP Curve Client ID: ARI

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): _____

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 (ECD-1) ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 8/9/2010 Analysis Start: 8/11/2010

Endrin/DDT Breakdown <15%? YES / NO / (NA) Method Blank In Control? ~~YES / NO~~ (NA)

ICal Meets RF & %RSD Criteria? (YES) / NO LCS/LCSD Recovery In Control? AP 8/12/10 ~~YES / NO~~ (NA)

CCal Meets RF & %RSD Criteria? (YES) / NO Surrogate Recovery In Control? (YES) / NO

Manual Integrations for ICal? (YES) / NO Manual Integrations for Samples? (YES) / NO

Internal Standard Meets Criteria? YES / NO / (NA) Special Analysis Criteria Met? YES / NO / (NA)

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

2nd col: Quadratic-forced: 2,4-Dichlorophenol, 2,4,5-Trichlorophenol, 2,3,4-Trichlorophenol

1st col: Quadratic-forced: 2,4-Dichlorophenol, 2,4,6-TCP, 2,3,6-TCP, 2,3,4,5-Tetrachlorophenol, Pentachlorophenol & 2,4,6-Tribromophenol.

Additional Details on Reverse: Yes / (No)

Analyst: _____ **Date:** 8/12/2010

Reviewer: _____ **Date:** 8/13/10

Analytical Resources Inc.: Organics Instrument Log

ECD1 Serial No.: 3410A39690

Date: 8/9/2010 Analysis: ~~Herbicides~~ Cl. Phenols AR 8/10/2010 Analyst: AR

GC Program: HERB.M & Column No: 150608/148146 Column Type: ZB5/ZB35

Instrument Tune (.U or .CT.): AR ~~NP~~ PCPFAST.M EM Voltage: NA

Calibration File: ~~HERB20100802~~FPCP20100809.b Curve Date: ~~8/2/2010~~ AR 8/9/2010

IS/SS AR	Ical/Ccal	LCS/ICV
	1663-2	1703-2
	1739-1	1731-2

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	09-AUG-2010 12:23	0809A005.d	1	PCPD	
2	09-AUG-2010 12:43	0809A006.d	1	PCPA	
3	09-AUG-2010 13:03	0809A007.d	1	PCPB	
4	09-AUG-2010 13:23	0809A008.d	1	PCPC	
5	09-AUG-2010 13:43	0809A009.d	1	PCPE	
6	09-AUG-2010 14:03	0809A010.d	1	PCPF	
7	09-AUG-2010 14:23	0809A011.d	1	PCP ICV	

AR 8/12/2010

Maintenance / Comments

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.

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	09-AUG-2010 12:23	0809A005.d	1	PCPD	
2	09-AUG-2010 12:43	0809A006.d	1	PCPA	
3	09-AUG-2010 13:03	0809A007.d	1	PCPB	
4	09-AUG-2010 13:23	0809A008.d	1	PCPC	
5	09-AUG-2010 13:43	0809A009.d	1	PCPE	
6	09-AUG-2010 14:03	0809A010.d	1	PCPF	
7	09-AUG-2010 14:23	0809A011.d	1	PCP ICV	

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Batch File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b
Inst ID: ecd1.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	0809A005	0809A006	0809A007	0809A008	0809A009	0809A010	0809A011
INJ.DATE:	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010
INJ.TIME:	12:23	12:43	13:03	13:23	13:43	14:03	14:23

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	1 2,4-Dichlorophenol	6.887	6.897	6.893	6.890	6.884	6.884	6.888	6.893	6.823-6.963	6.889	0.005
	2 2,4,6-Trichlorophenol	7.261	7.263	7.264	7.263	7.259	7.260	7.262	7.264	7.194-7.334	7.262	0.002
	3 2,3,6-Trichlorophenol	7.615	7.622	7.619	7.617	7.611	7.612	7.616	7.619	7.549-7.689	7.616	0.004
	4 2,4,5-Trichlorophenol	8.221	8.253	8.242	8.232	8.212	8.209	8.230	8.242	8.172-8.312	8.228	0.016
	5 2,3,4-Trichlorophenol	8.770	8.806	8.792	8.780	8.760	8.756	8.781	8.792	8.722-8.862	8.778	0.017
	6 2,3,5,6-Tetrachlorophe	8.996	9.013	9.007	9.002	8.990	8.990	9.000	9.007	8.937-9.077	9.000	0.009
$	7 2,4,6-Tribromophenol (	9.990	10.010	10.002	9.996	9.984	9.983	9.997	10.002	9.932-10.072	9.995	0.010
	8 2,3,4,5-Tetrachlorophe	10.397	10.421	10.413	10.406	10.389	10.387	10.405	10.413	10.343-10.483	10.402	0.012
	9 Pentachlorophenol	11.212	11.225	11.219	11.215	11.206	11.206	11.215	11.219	11.149-11.289	11.214	0.007

Reviewer 1 AR Date: 8/12/2010
Reviewer 2 Date: 8/13/10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Batch File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b
Inst ID: ecd1.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07
FILENAME:	0809A005	0809A006	0809A007	0809A008	0809A009	0809A010	0809A011
INJ.DATE:	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010	09-AUG-2010
INJ.TIME:	12:23	12:43	13:03	13:23	13:43	14:03	14:23

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 2,4-Dichlorophenol	7.156	7.166	7.163	7.160	7.153	7.153	7.158	7.166	7.096-7.236	7.158	0.005
2 2,4,6-Trichlorophenol	7.329	7.333	7.333	7.331	7.327	7.328	7.330	7.333	7.263-7.403	7.330	0.002
3 2,3,6-Trichlorophenol	7.858	7.864	7.862	7.860	7.855	7.856	7.859	7.864	7.794-7.934	7.859	0.003
4 2,4,5-Trichlorophenol	8.593	8.615	8.607	8.600	8.586	8.584	8.599	8.615	8.545-8.685	8.598	0.011
5 2,3,5,6-Tetrachlorophe	9.262	9.277	9.270	9.266	9.256	9.257	9.265	9.277	9.207-9.347	9.265	0.007
6 2,3,4-Trichlorophenol	9.359	9.380	9.373	9.365	9.351	9.349	9.365	9.380	9.310-9.450	9.363	0.011
$ 7 2,4,6-Tribromophenol (	10.632	10.646	10.640	10.636	10.626	10.627	10.636	10.646	10.576-10.716	10.635	0.007
8 2,3,4,5-Tetrachlorophe	11.109	11.126	11.119	11.115	11.103	11.103	11.114	11.126	11.056-11.196	11.113	0.009
9 Pentachlorophenol	11.649	11.658	11.654	11.652	11.645	11.646	11.652	11.658	11.588-11.728	11.651	0.005

Reviewer 1 AR Date: 8/12/2010
Reviewer 2 [signature] Date: 8/13/10

RG58:00864

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-1.b

ARI Job No.: PCPD Method: FPCP.m Instrument: ecd1.i Date: 09-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1223	0809A005.d	PCPD		1	NO MANUAL INTEGRATION
1243	0809A006.d	PCPA		1	2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, 2,3,5,6-Tetrachlorophenol, 2,4-Dichlorophenol,
1303	0809A007.d	PCPB		1	2,3,5,6-Tetrachlorophenol, 2,4-Dichlorophenol,
1323	0809A008.d	PCPC		1	NO MANUAL INTEGRATION
1343	0809A009.d	PCPE		1	NO MANUAL INTEGRATION
1403	0809A010.d	PCPF		1	NO MANUAL INTEGRATION
1423	0809A011.d	PCP ICV		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/ical-2.b

ARI Job No.: PCPD Method: FPCPB.m Instrument: ecd1.i Date: 09-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1223	0809A005.d	PCPD		1	NO MANUAL INTEGRATION
1243	0809A006.d	PCPA		1	2,4,6-Trichlorophenol, 2,3,5,6-Tetrachlorophenol,
1303	0809A007.d	PCPB		1	2,4,6-Trichlorophenol, 2,3,5,6-Tetrachlorophenol,
1323	0809A008.d	PCPC		1	NO MANUAL INTEGRATION
1343	0809A009.d	PCPE		1	NO MANUAL INTEGRATION
1403	0809A010.d	PCPF		1	NO MANUAL INTEGRATION
1423	0809A011.d	PCP ICV		1	2,3,4-Trichlorophenol,

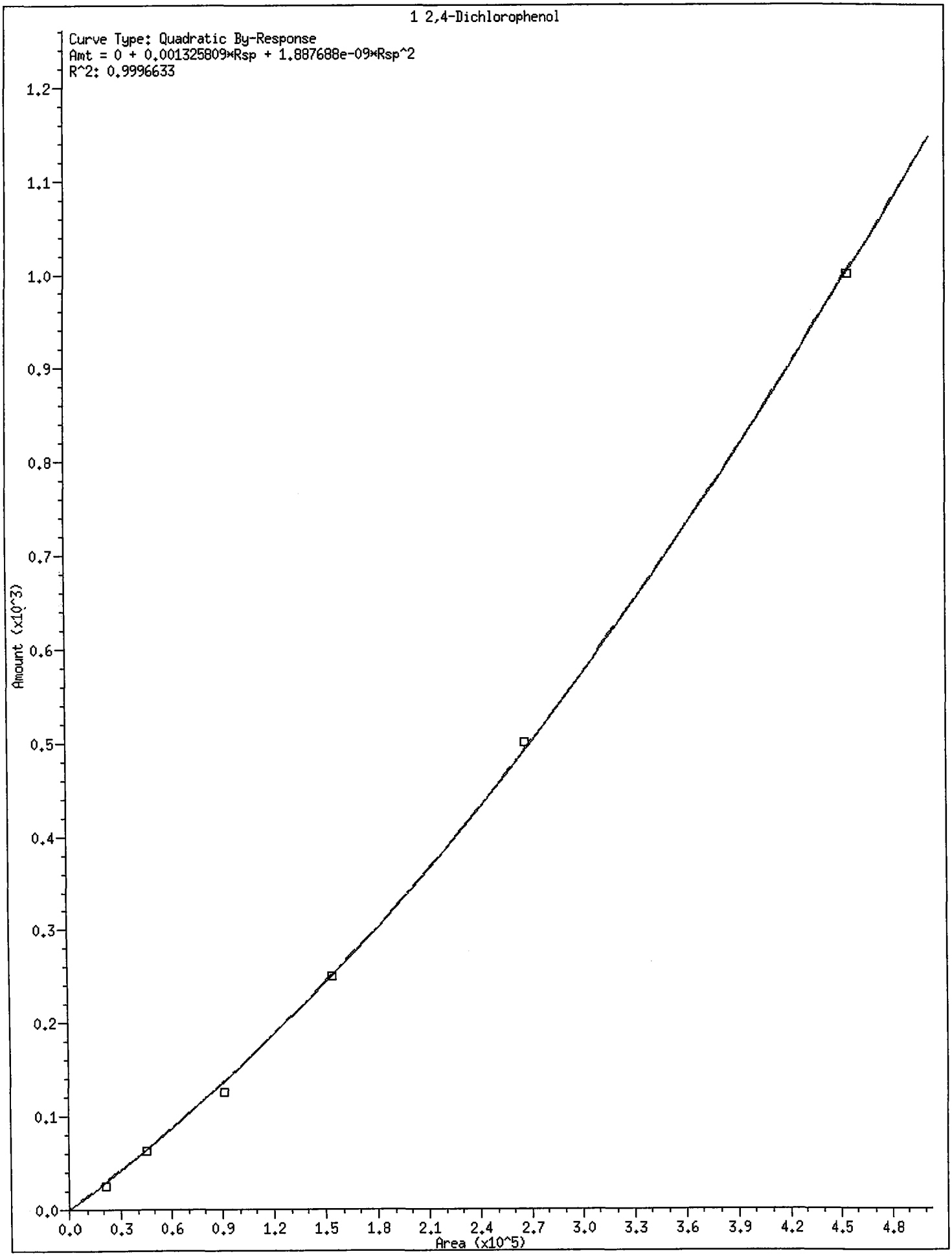
Analytical Resources, Inc.

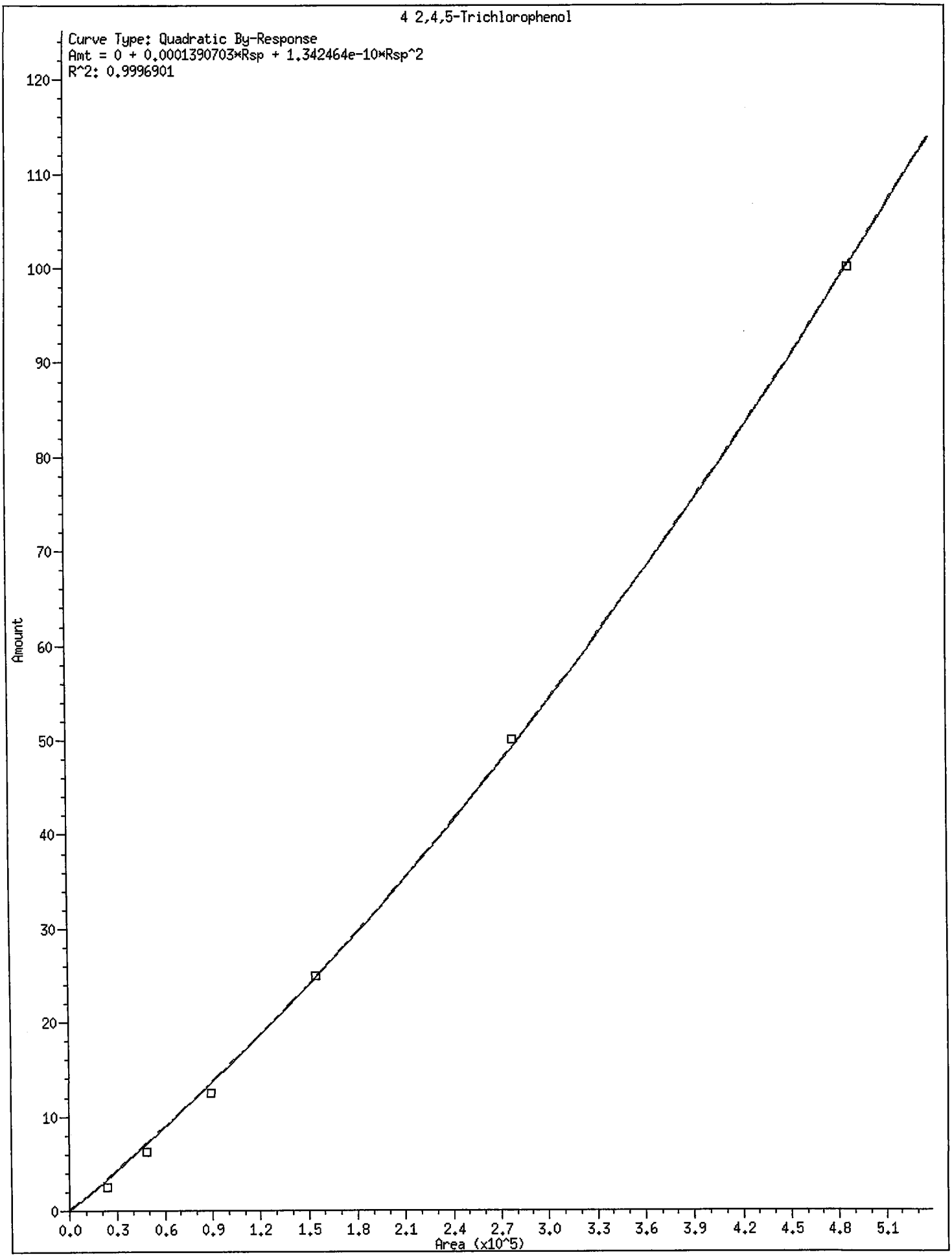
INITIAL CALIBRATION DATA AR 8/12/2010

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron
Curve Type : Average

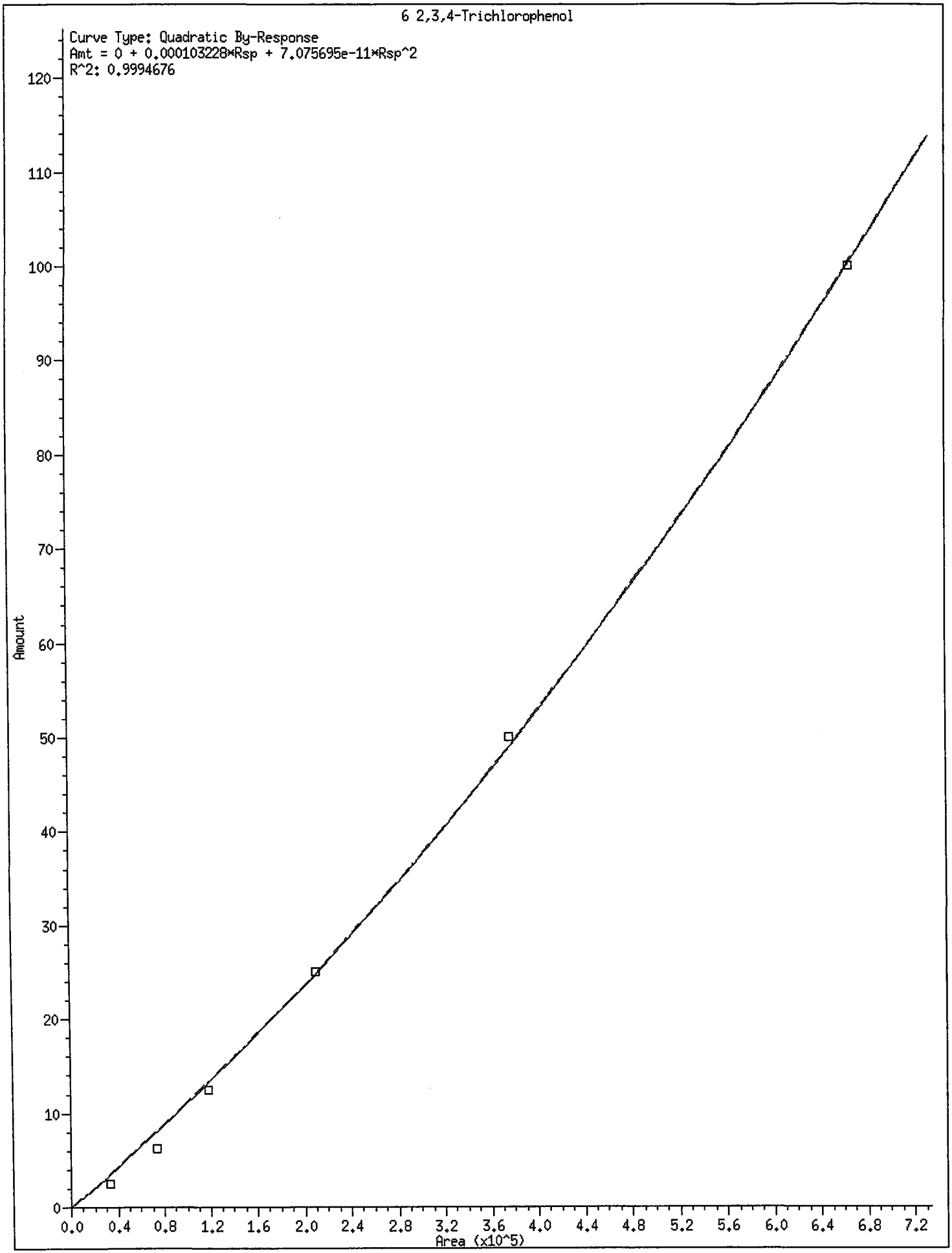
Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
Level 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
Level 6: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d

Compound	2.500 Level 1	6.250 Level 2	12.500 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	RRF	% RSD	
1 2,4-Dichlorophenol	859	720	733	619	536	458	654	22.290	<-
2 2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10071	12485	13.991	
3 2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	12409	14.584	
4 2,4,5-Trichlorophenol	9451	7724	7152	6203	5568	4896	6832	24.049	<-
5 2,3,5,6-Tetrachlorophenol	22710	20100	18581	17733	16666	15298	18515	14.186	
6 2,3,4-Trichlorophenol	13138	11714	9430	8408	7532	6669	9482	26.352	<-
8 2,3,4,5-Tetrachlorophenol	18414	16106	15136	13550	12798	11541	14591	17.013	
9 Pentachlorophenol	28790	24995	23903	21206	20507	18368	22961	16.202	
$ 7 2,4,6-Tribromophenol (surr)	22648	19438	18816	17793	17226	16083	18667	12.211	


1 2,4-Dichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.001325809*Rsp + 1.887688e-09*Rsp^2
R^2: 0.9996633
Amount (x10^3)
Area (x10^5)
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
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


4 2,4,5-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001390703*Rsp + 1.342464e-10*Rsp^2
R^2: 0.9996901
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
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

RG58 : 00869


6 2,3,4-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.000103228*Rsp + 7.075695e-11*Rsp^2
R^2: 0.9994676
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron

Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
Level 5: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
Level 6: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d

Compound	2 Level 1	6 Level 2	12 Level 3	25 Level 4	50 Level 5	100 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 2,4-Dichlorophenol	21466	45023	91643	154741	267768	457854	QUAD	0.000e+00	0.00133	1.888e-09	0.99966
2 2,4,6-Trichlorophenol	14811	12542	14020	12241	11222	10071	AVRG		12485		13.99132
3 2,3,6-Trichlorophenol	15358	13183	12610	12054	11138	10108	AVRG		12409		14.58387
4 2,4,5-Trichlorophenol	23627	48273	89400	155087	278412	489569	QUAD	0.000e+00	0.00014	1.342e-10	0.99969
5 2,3,5,6-Tetrachlorophenol	22710	20100	18581	17733	16666	15298	AVRG		18515		14.18619
6 2,3,4-Trichlorophenol	32846	73211	117878	210189	376624	666942	QUAD	0.000e+00	0.00010	7.076e-11	0.99947
8 2,3,4,5-Tetrachlorophenol	18414	16106	15136	13550	12798	11541	AVRG		14591		17.01254
9 Pentachlorophenol	28790	24995	23903	21206	20507	18368	AVRG		22961		16.20188
7 2,4,6-Tribromophenol (surr)	22648	19438	18816	17793	17226	16083	AVRG		18667		12.21092

RCS 08/12/2010

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCPB.m
Cal Date : 12-Aug-2010 18:59 aron

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

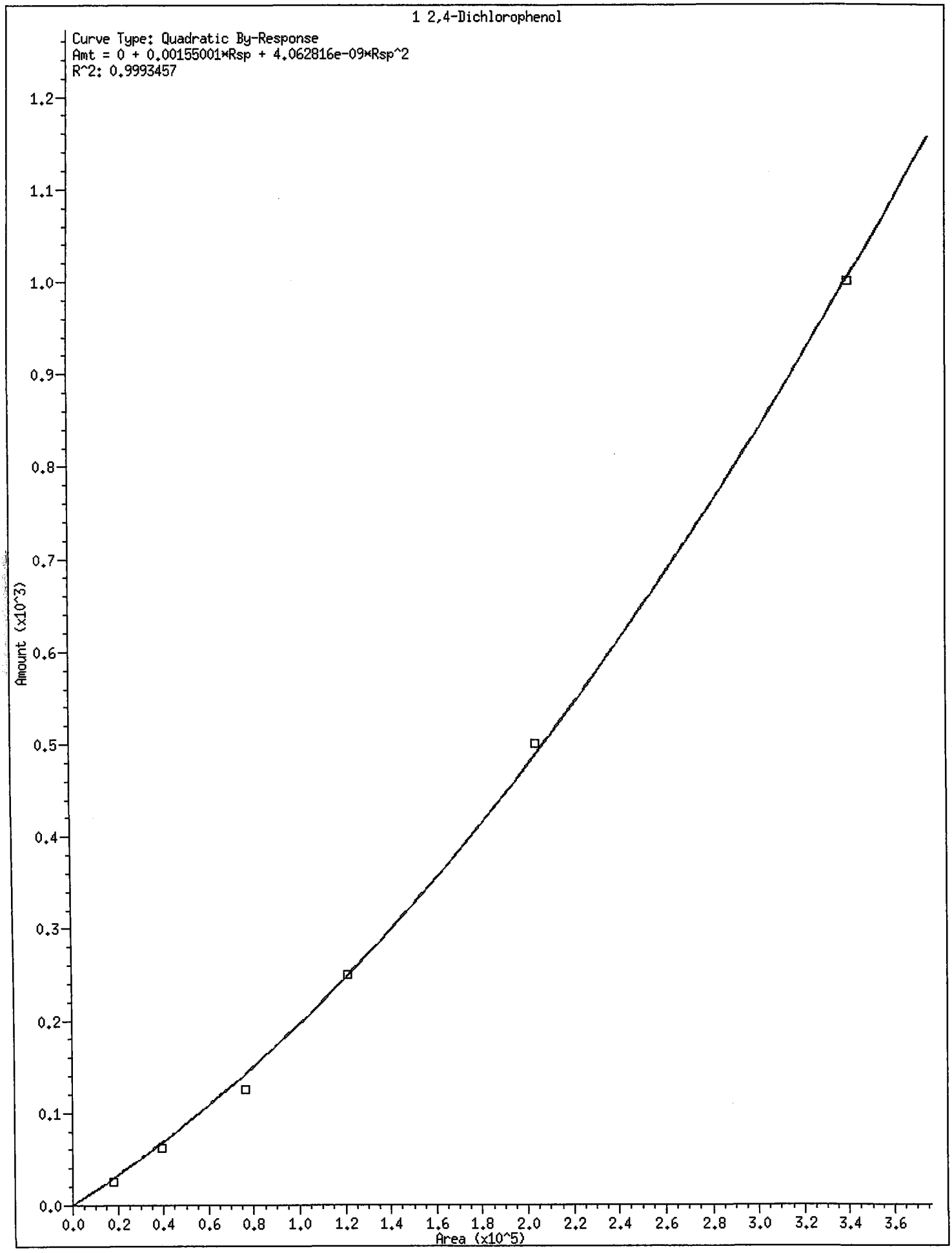
Analytical Resources, Inc.

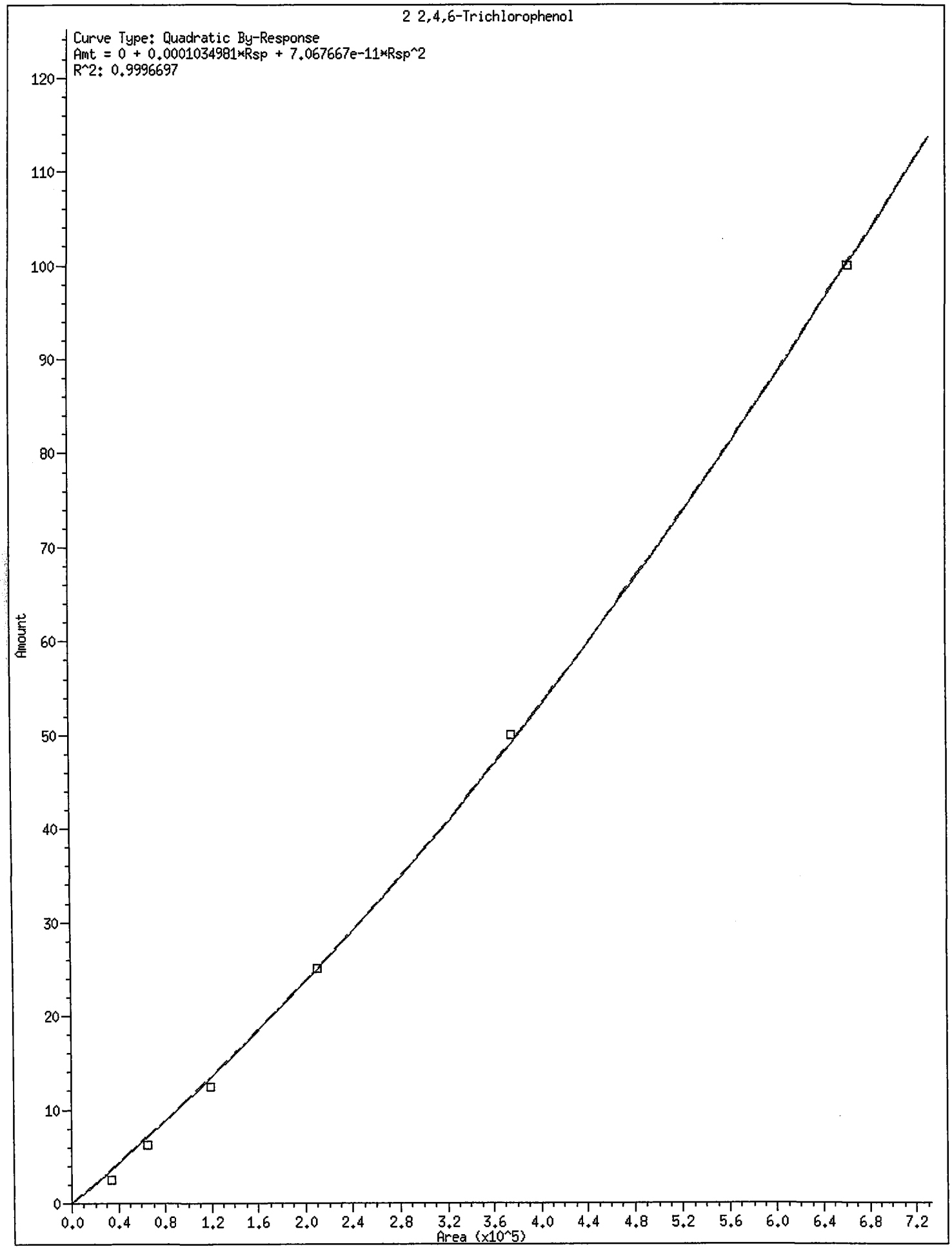
INITIAL CALIBRATION DATA

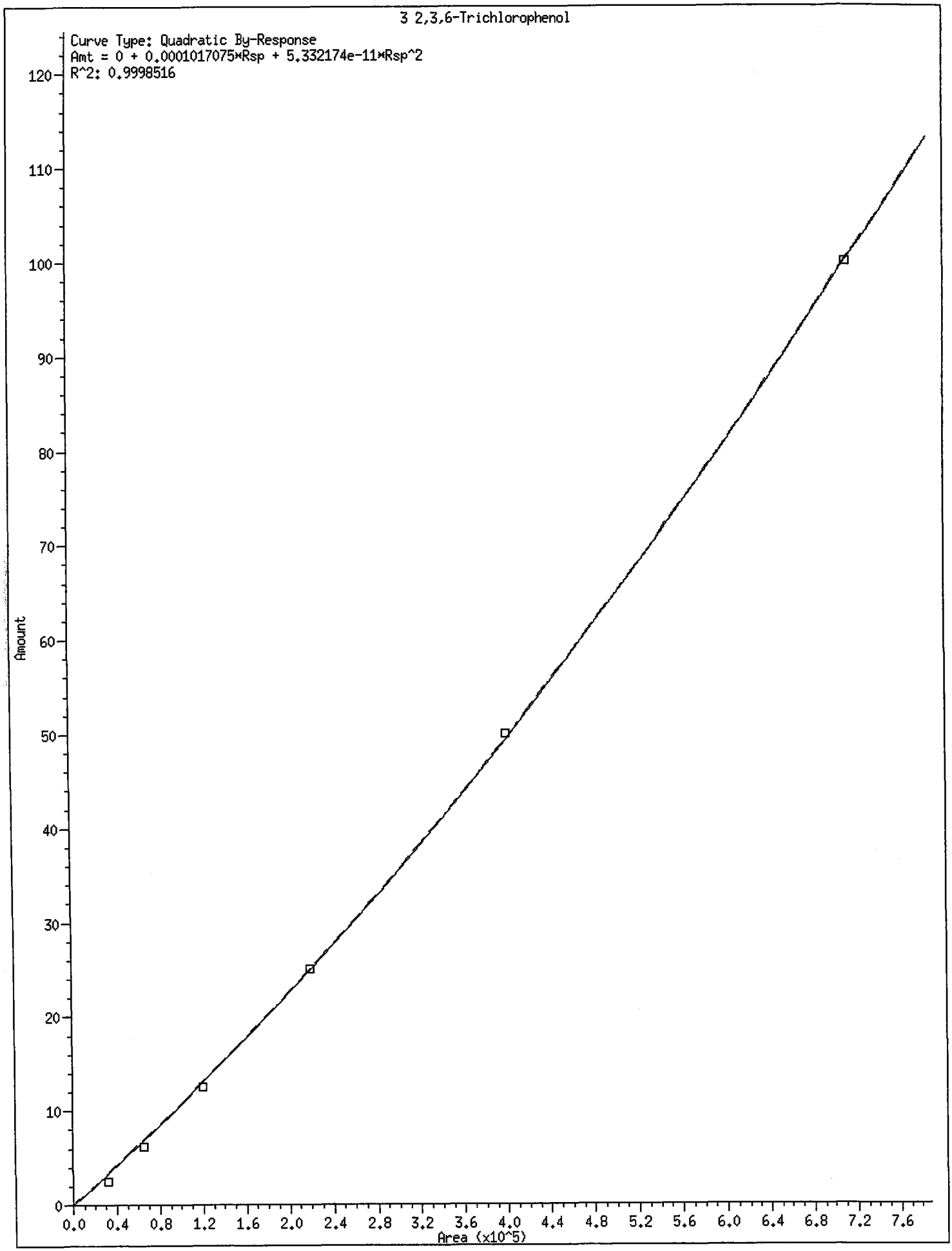
Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron
Curve Type : Average

Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
Level 5: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
Level 6: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d

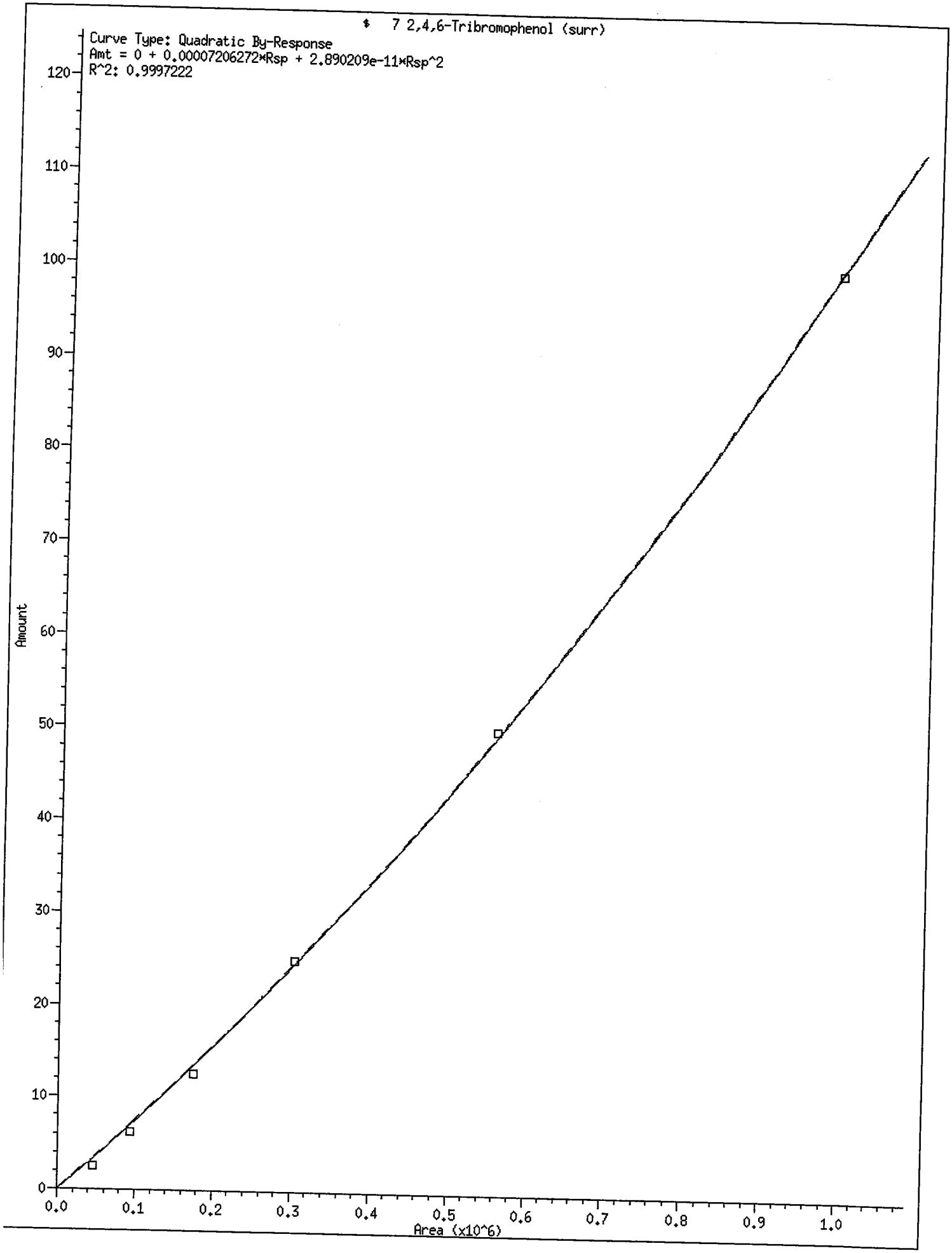
	Compound	2.500 Level 1	6.250 Level 2	12.500 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	1 2,4-Dichlorophenol	721	627	611	486	409	342	533	27.140	<-
	2 2,4,6-Trichlorophenol	13540	10473	9560	8413	7539	6660	9364	26.271	<-
	3 2,3,6-Trichlorophenol	12902	10500	9607	8801	8025	7161	9499	21.431	<-
	4 2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	5048	19.727	
	5 2,3,4-Trichlorophenol	8393	7068	7135	7922	5475	5053	6841	19.373	
	6 2,3,5,6-Tetrachlorophenol	17905	15060	14996	14233	11882	10558	14106	18.400	
	8 2,3,4,5-Tetrachlorophenol	16324	13459	12294	10216	8895	7628	11469	27.892	<-
	9 Pentachlorophenol	24528	19824	17830	15337	13686	11965	17195	26.550	<-
$	7 2,4,6-Tribromophenol (surr)	18561	14999	13969	12135	11200	9940	13467	22.982	<-

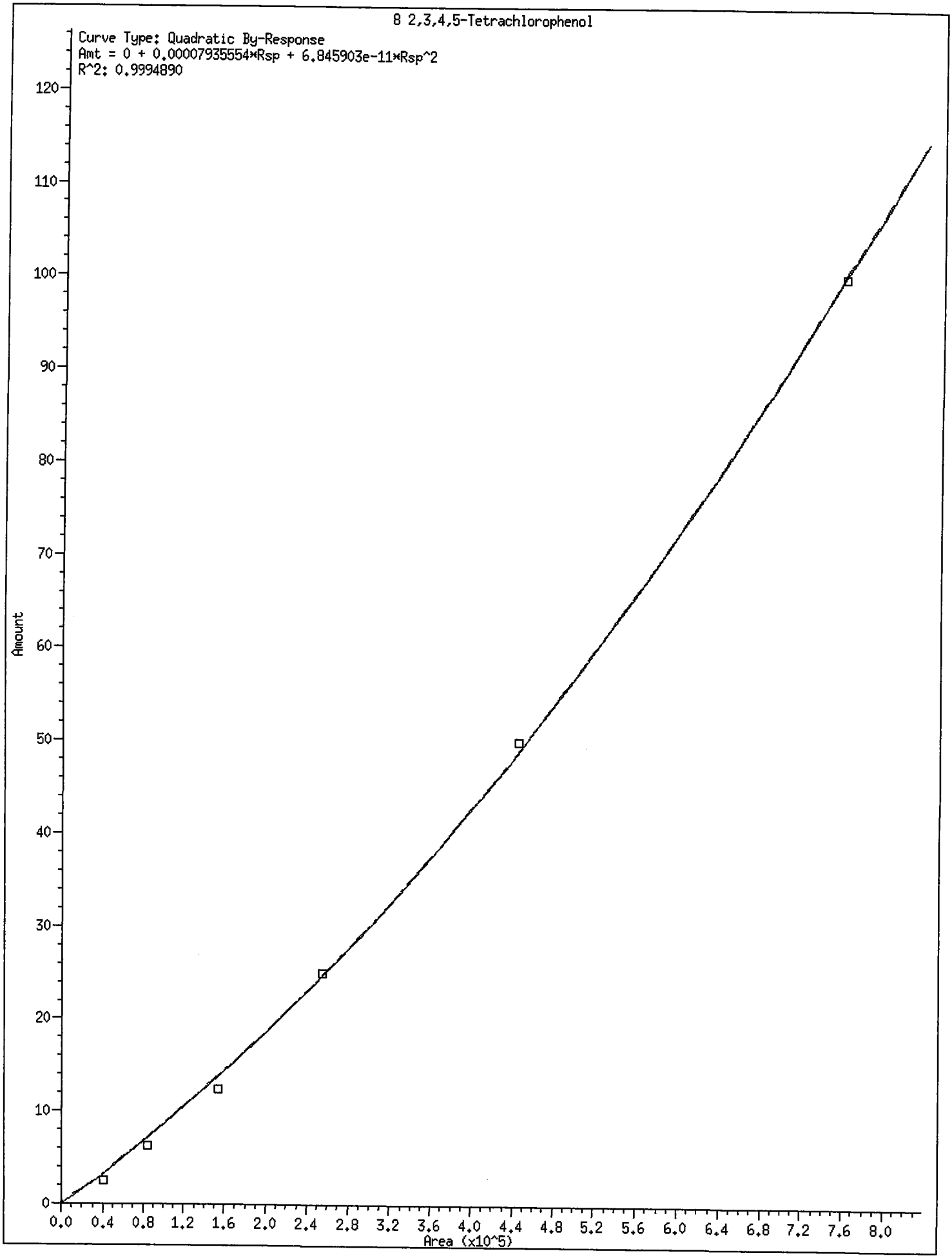

1 2,4-Dichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00155001*Rsp + 4.062816e-09*Rsp^2
R^2: 0.9993457
Amount (x10^3)
Area (x10^5)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6


2 2,4,6-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001034981*Rsp + 7.067667e-11*Rsp^2
R^2: 0.9996697
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2

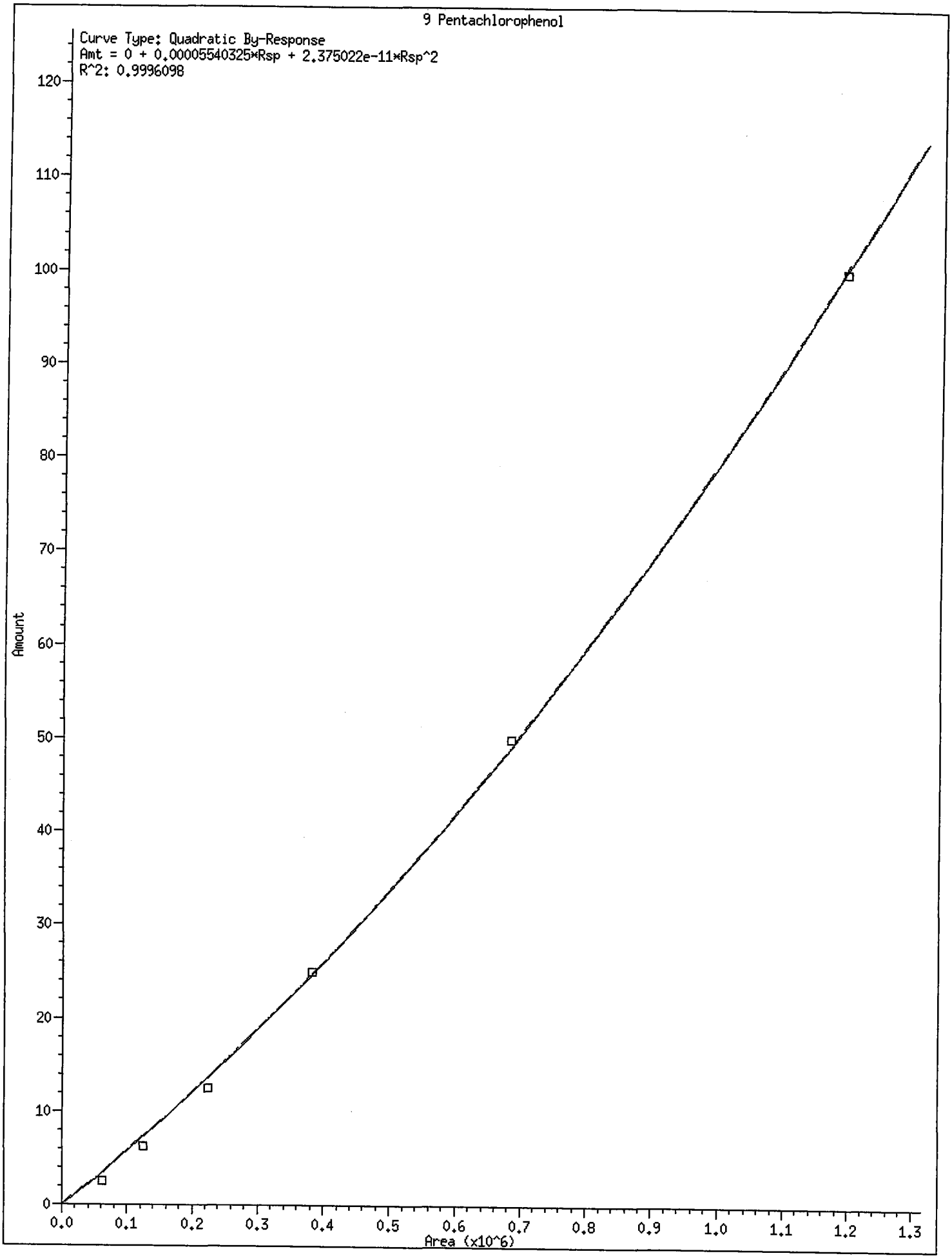

3 2,3,6-Trichlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.0001017075*Rsp + 5.332174e-11*Rsp^2
R^2: 0.9998516
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6

RG58 : 00876


$ 7 2,4,6-Tribromophenol (surr)
Curve Type: Quadratic By-Response
Amt = 0 + 0.00007206272*Rsp + 2.890209e-11*Rsp^2
R^2: 0.9997222
Amount
Area (x10^6)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0


8 2,3,4,5-Tetrachlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00007935554*Rsp + 6.845903e-11*Rsp^2
R^2: 0.9994890
Amount
Area (x10^5)
0
10
20
30
40
50
60
70
80
90
100
110
120
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8
7.2
7.6
8.0

RG58 : 00878


9 Pentachlorophenol
Curve Type: Quadratic By-Response
Amt = 0 + 0.00005540325*Rsp + 2.375022e-11*Rsp^2
R^2: 0.9996098
Amount
Area (x10^6)
0
10
20
30
40
50
60
70
80
90
100
110
120
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

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron

Calibration File Names:
Level 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
Level 2: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
Level 3: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
Level 4: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d/0809A005.cdf
Level 5: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
Level 6: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d

	2	6	12	25	50	100		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 2,4-Dichlorophenol	18020	39212	76337	121400	204471	341711	QUAD	0.000e+00	0.00155	4.063e-09	0.99935
2 2,4,6-Trichlorophenol	33851	65457	119503	210327	376941	665977	QUAD	0.000e+00	0.00010	7.068e-11	0.99967
3 2,3,6-Trichlorophenol	32256	65624	120087	220036	401238	716085	QUAD	0.000e+00	0.00010	5.332e-11	0.99985
4 2,4,5-Trichlorophenol	6404	5362	5688	4915	4290	3627	AVRG		5048		19.72715
5 2,3,4-Trichlorophenol	8393	7068	7135	7922	5475	5053	AVRG		6841		19.37297
6 2,3,5,6-Tetrachlorophenol	17905	15060	14996	14233	11882	10558	AVRG		14106		18.40050
8 2,3,4,5-Tetrachlorophenol	40811	84118	153678	255392	444734	762767	QUAD	0.000e+00	0.00008	6.846e-11	0.99949
9 Pentachlorophenol	61320	123902	222874	383426	684285	1196534	QUAD	0.000e+00	0.00006	2.375e-11	0.99961
$ 7 2,4,6-Tribromophenol (surr)	46402	93741	174610	303374	559983	994034	QUAD	0.000e+00	0.00007	2.890e-11	0.99972

Analytical Resources, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 12:23
End Cal Date : 09-AUG-2010 14:03
Quant Method : ESTD
Origin : Force
Target Version : 3.50
Integrator : HP Genie
Method file : /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Cal Date : 12-Aug-2010 19:13 aron

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

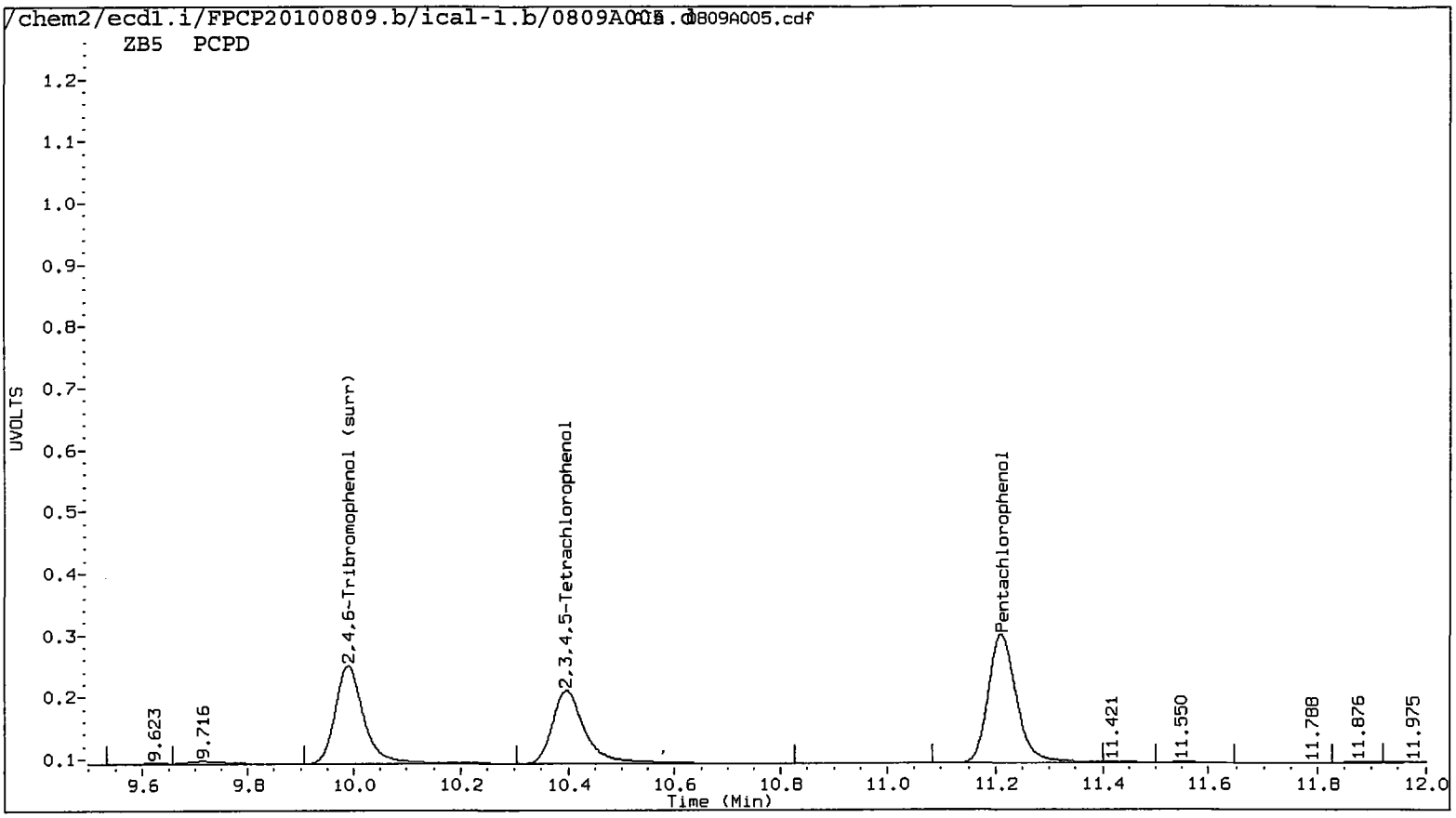
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report AR 8/12/2010

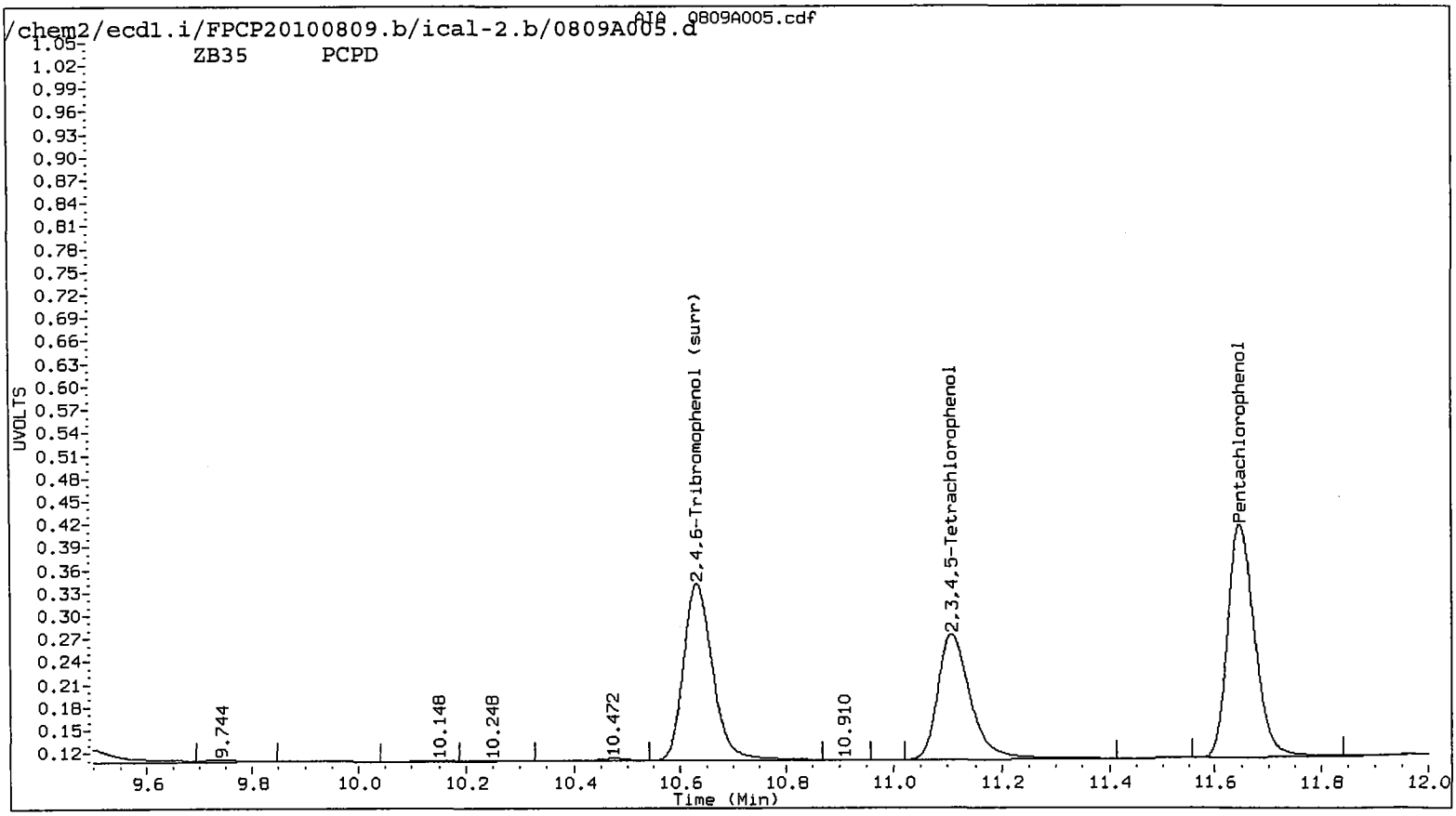
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d ARI ID: PCPD
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m
Compound Sublist: all
Instrument: ecd1.i
Operator: ar
Injection Date: 09-AUG-2010 12:23
Report Date: 08/12/2010 19:15
Matrix: WATER
Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.212	-0.007	383426	11.649	-0.009	530145	24.7347	23.0885	6.9	Pentachlorophenol
7.261	-0.003	210327	7.329	-0.004	306027	24.8950	24.5124	1.5	2,4,6-Trichlorophenol
7.615	-0.004	220036	7.858	-0.006	301362	24.9609	24.2867	2.7	2,3,6-Trichlorophenol
8.221	-0.021	122872	8.593	-0.022	155087	24.3430	24.7969	1.8	2,4,5-Trichlorophenol
8.770	-0.022	198058	9.359	-0.021	210189	28.9512	24.8234	15.4	2,3,4-Trichlorophenol
8.996	-0.011	355822	9.262	-0.015	443336	25.2255	23.9449	5.2	2,3,5,6-Tetrachlorophenol
10.397	-0.016	255392	11.109	-0.017	338740	24.7320	23.2161	6.3	2,3,4,5-Tetrachlorophenol
6.887	-0.006	121400	7.156	-0.010	154741	248.0488	250.3573	0.9	2,4-Dichlorophenol
9.990	-0.012	303374	10.632	-0.014	444822	24.5	23.8	2.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

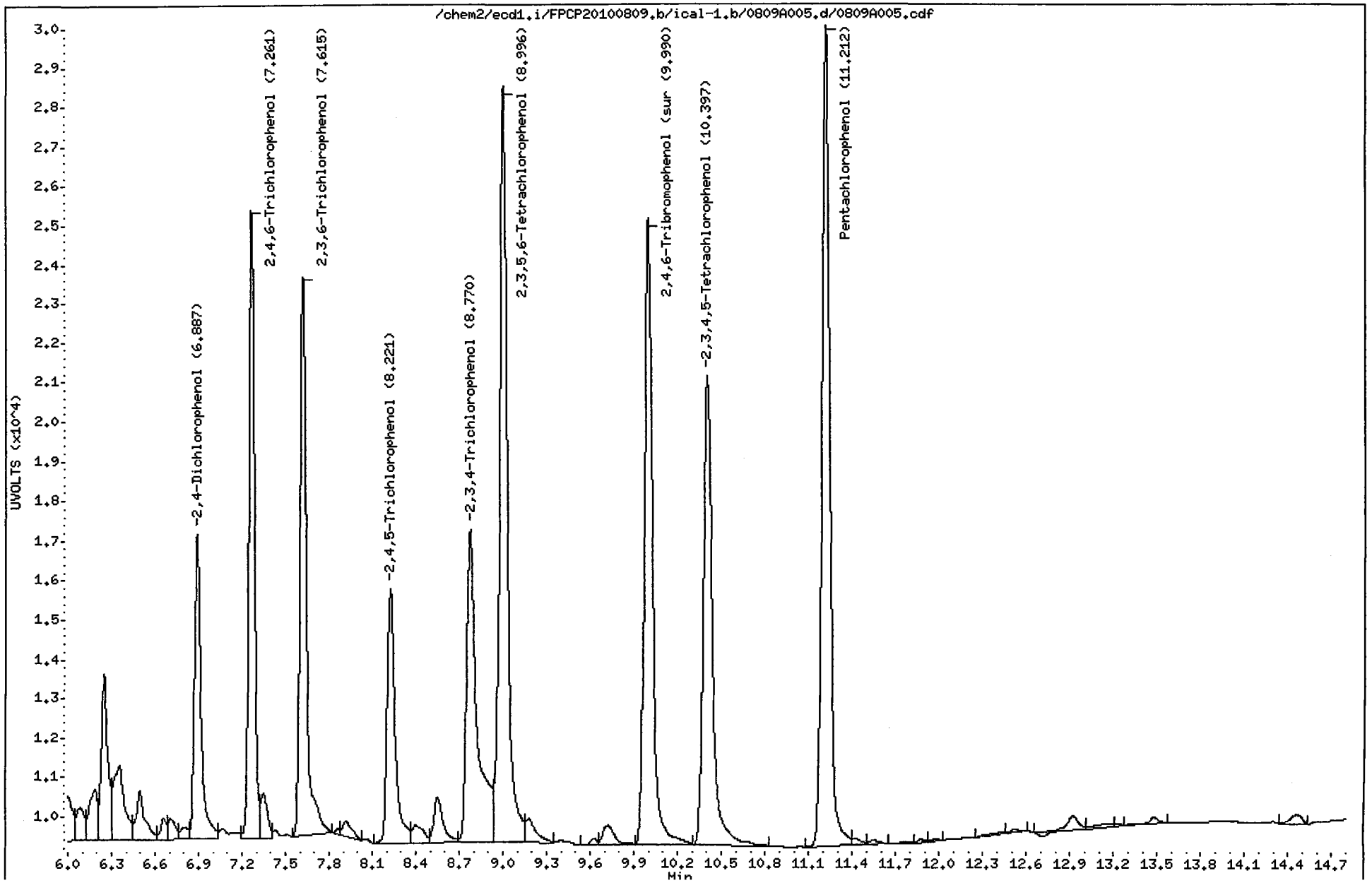
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	98.1	95.3


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d
AIA 0809A005.cdf
ZB5 PCPD
UVOLTS
Time (Min)
9.623
9.716
2.4,6-Tribromophenol (surr)
2.3,4,5-Tetrachlorophenol
Pentachlorophenol
11.421
11.550
11.788
11.876
11.975


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
AIA 0809A005.cdf
ZB35 PCPD
UVOLTS
Time (Min)
9.744
10.148
10.248
10.472
2,4,6-Tribromophenol (surr)
10.910
2,3,4,5-Tetrachlorophenol
Pentachlorophenol

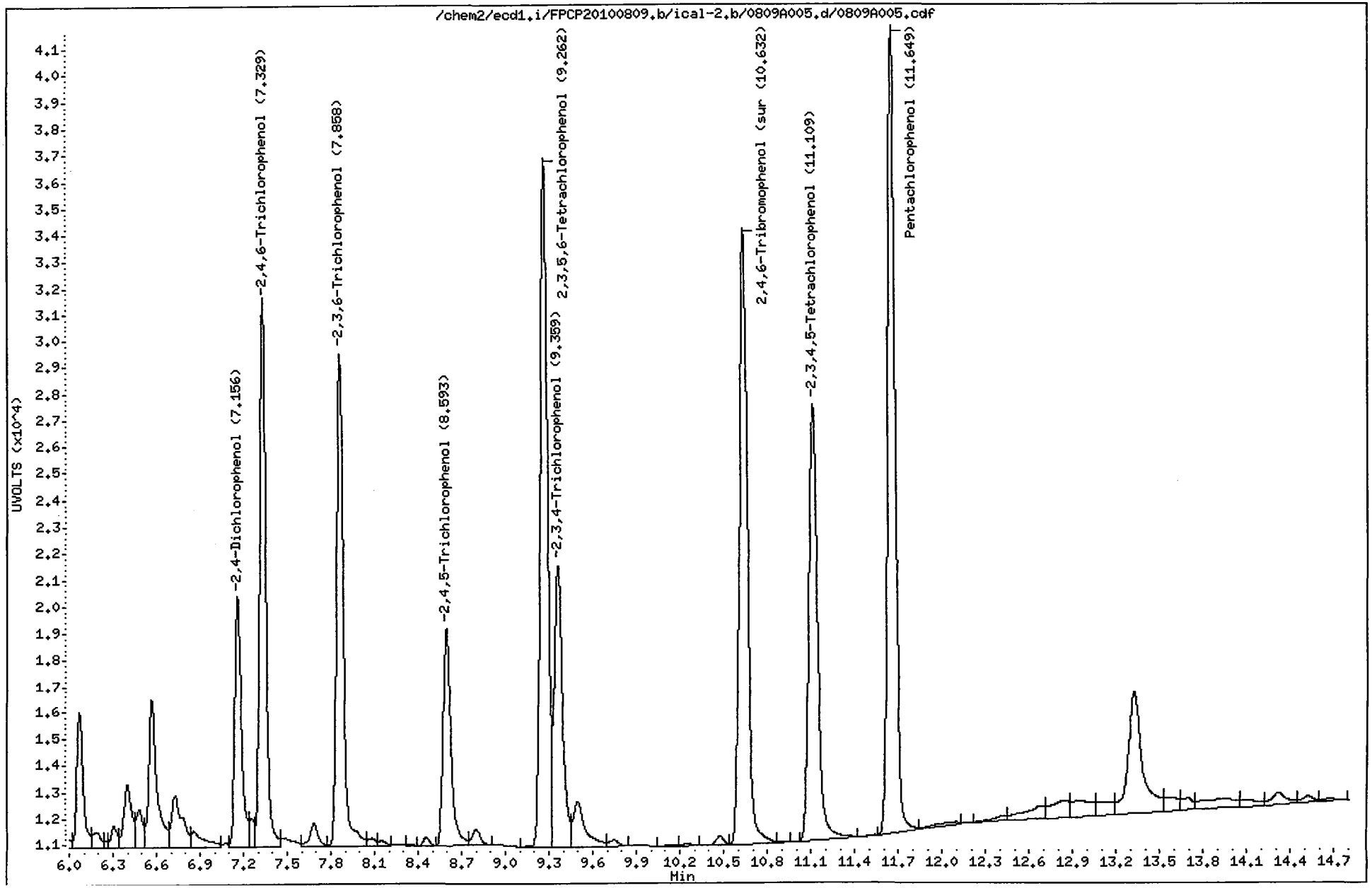
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A005.d
Date : 09-AUG-2010 12:23
Client ID:
Sample Info: PCPD
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A005.d
Date : 09-AUG-2010 12:23
Client ID:
Sample Info: PCPD
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



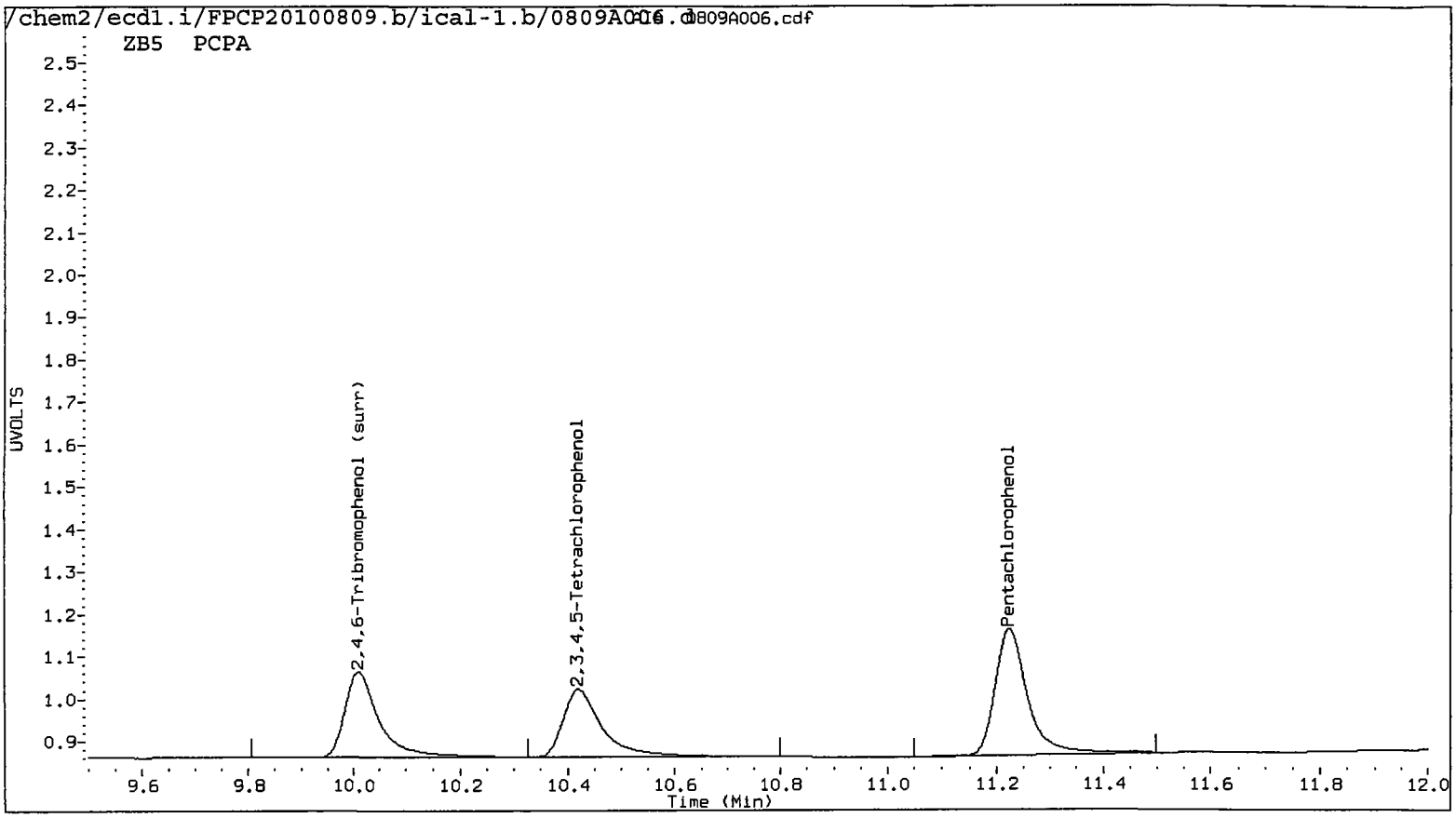
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

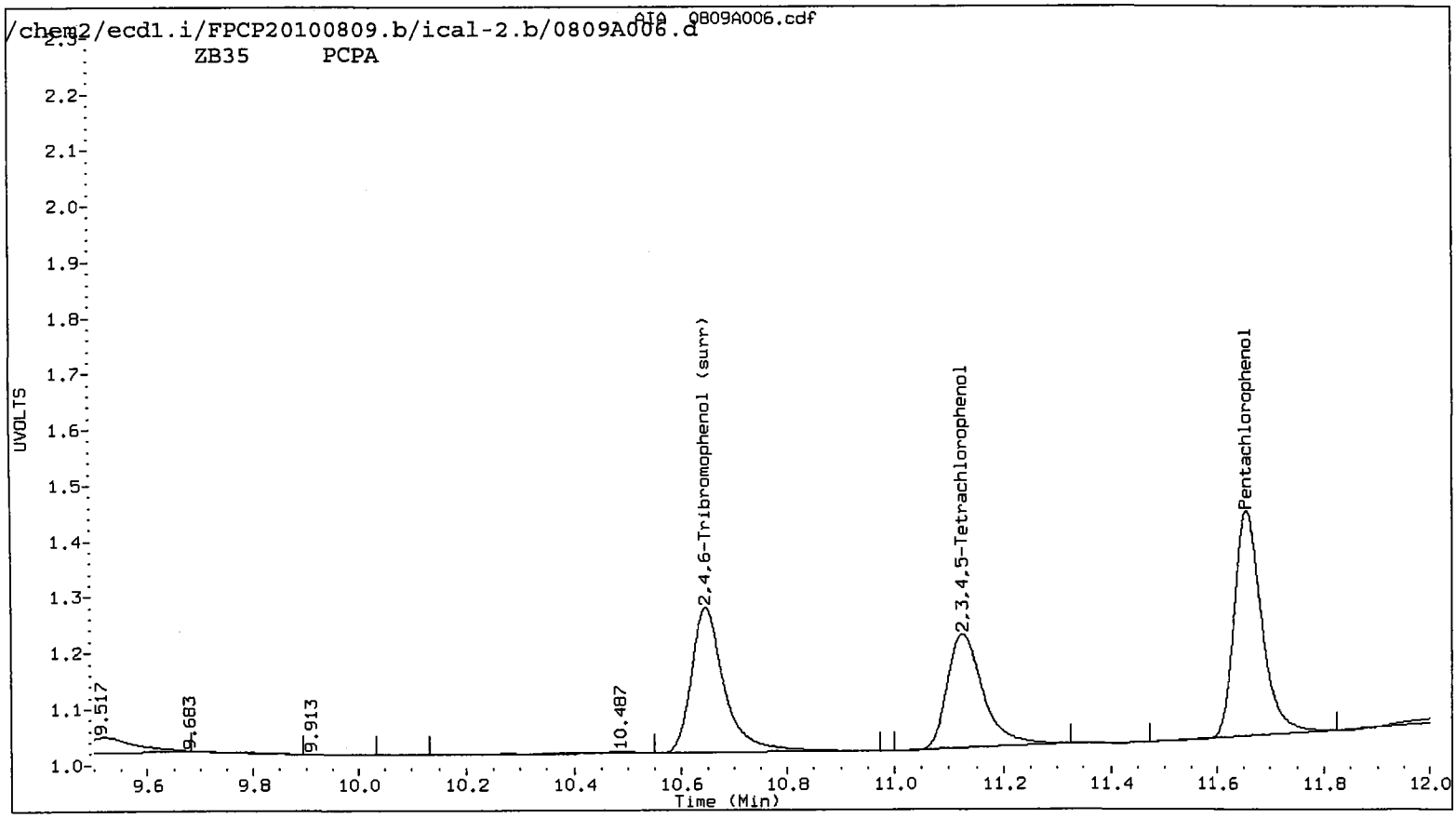
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d ARI ID: PCPA
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 12:43
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.225	0.006	61320	11.658	0.000	71975	3.4866	3.1346	10.6	Pentachlorophenol
7.263	-0.001	33851	7.333	0.000	37028	3.5845	2.9659	18.9	2,4,6-Trichlorophenol
7.622	0.003	32256	7.864	0.000	38395	3.3362	3.0942	7.5	2,3,6-Trichlorophenol
8.253	0.011	16009	8.615	0.000	23627	3.1717	3.3608	5.8	2,4,5-Trichlorophenol
8.806	0.014	20983	9.380	0.000	32846	3.0672	3.4670	12.2	2,3,4-Trichlorophenol
9.013	0.006	44762	9.277	0.000	56775	3.1733	3.0665	3.4	2,3,5,6-Tetrachlorophenol
10.421	0.008	40811	11.126	0.000	46035	3.3526	3.1551	6.1	2,3,4,5-Tetrachlorophenol
6.897	0.004	18020	7.166	0.000	21466	29.2505	29.3296	0.3	2,4-Dichlorophenol
10.010	0.008	46402	10.646	0.000	56619	3.4	3.0	11.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	13.6	12.1

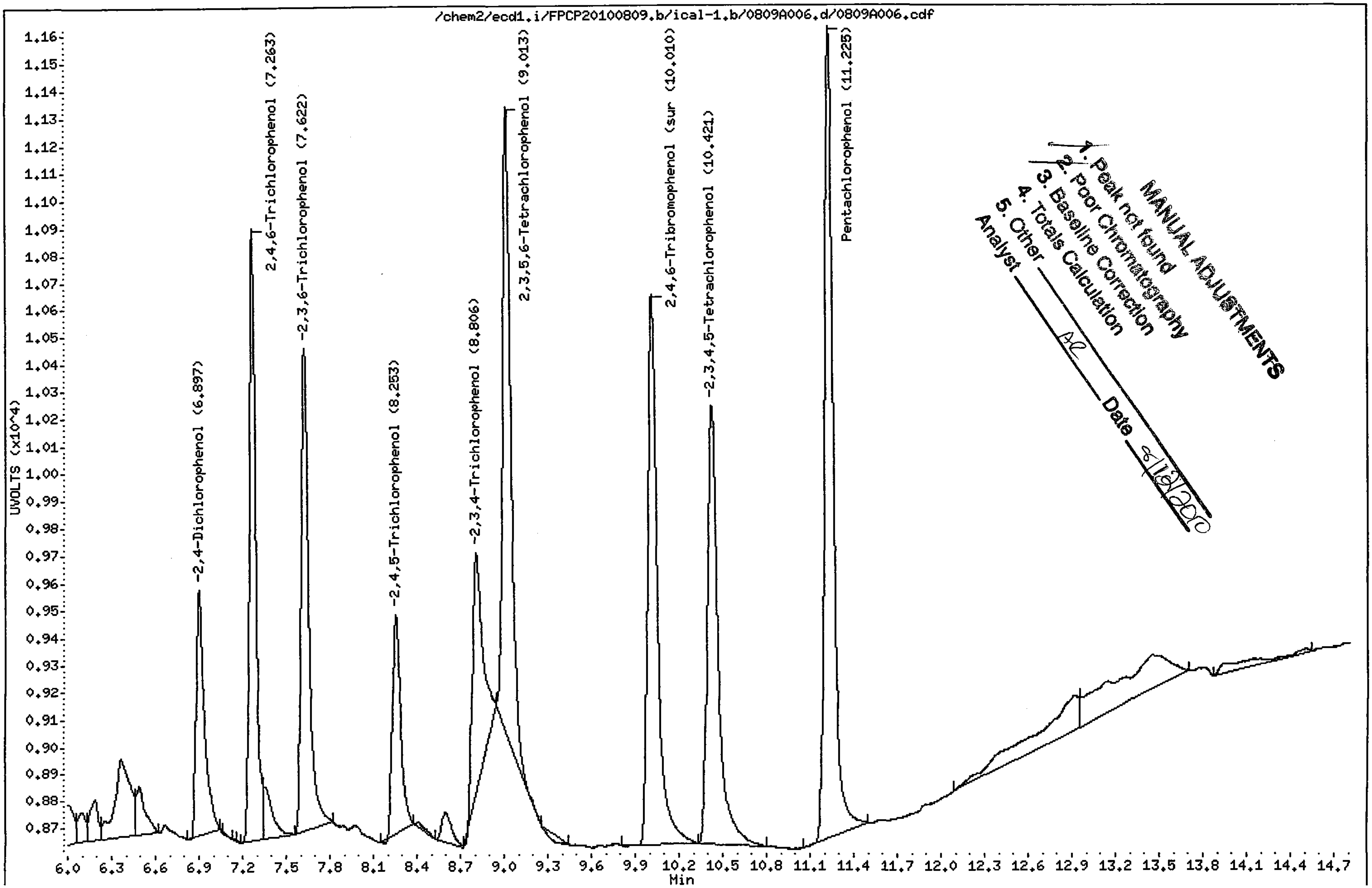

/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d
0809A006.cdf
ZB5 PCPA
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d
0809A006.cdf
ZB35 PCPA
UVOLTS
9.517
9.683
9.913
10.487
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d
Date : 09-AUG-2010 12:43
Client ID:
Sample Info: PCPA
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

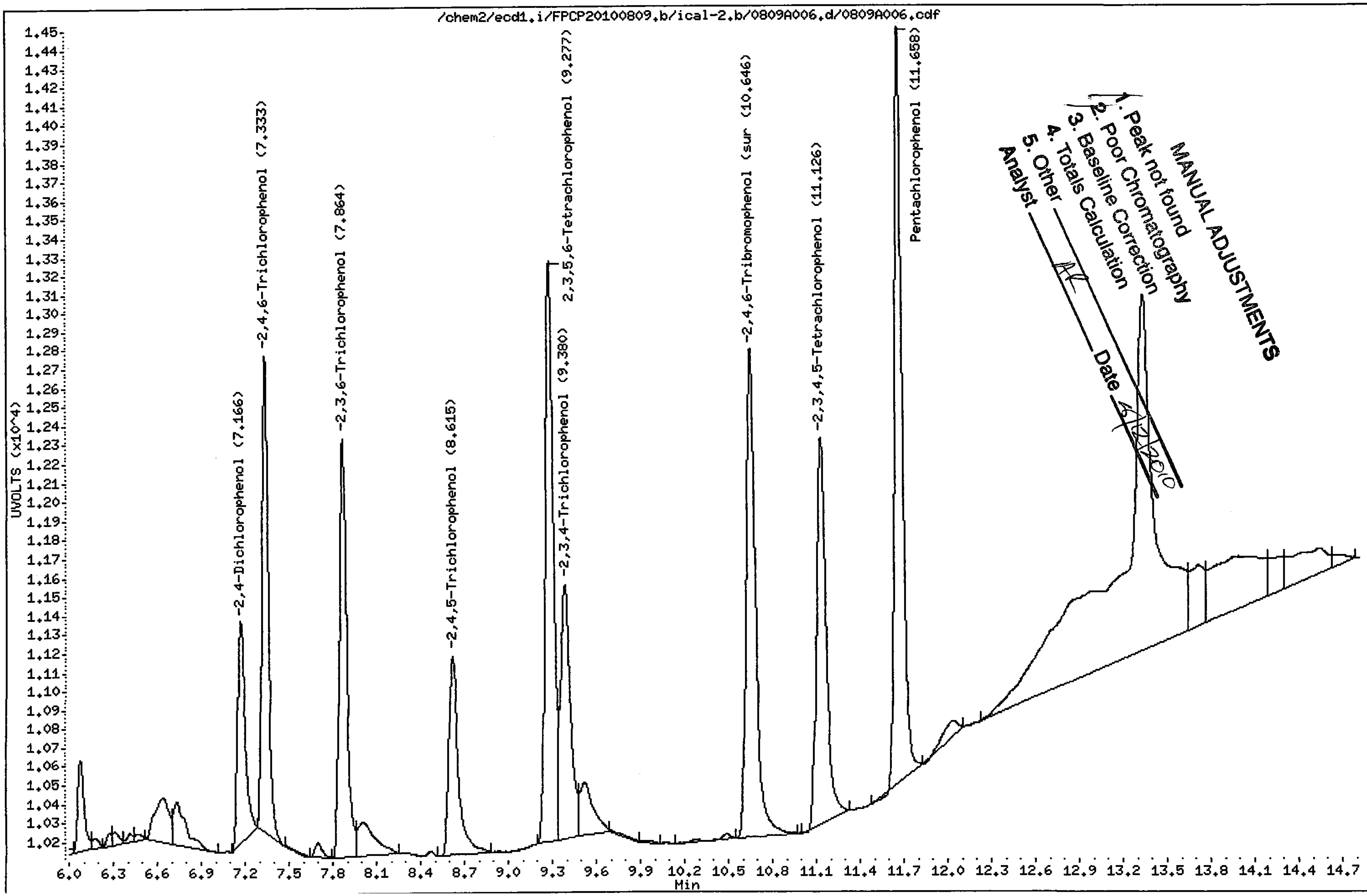
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d
Date : 09-AUG-2010 12:43
Client ID:
Sample Info: PCPA
Purge Volume: 2.0
Column phase: ZB35

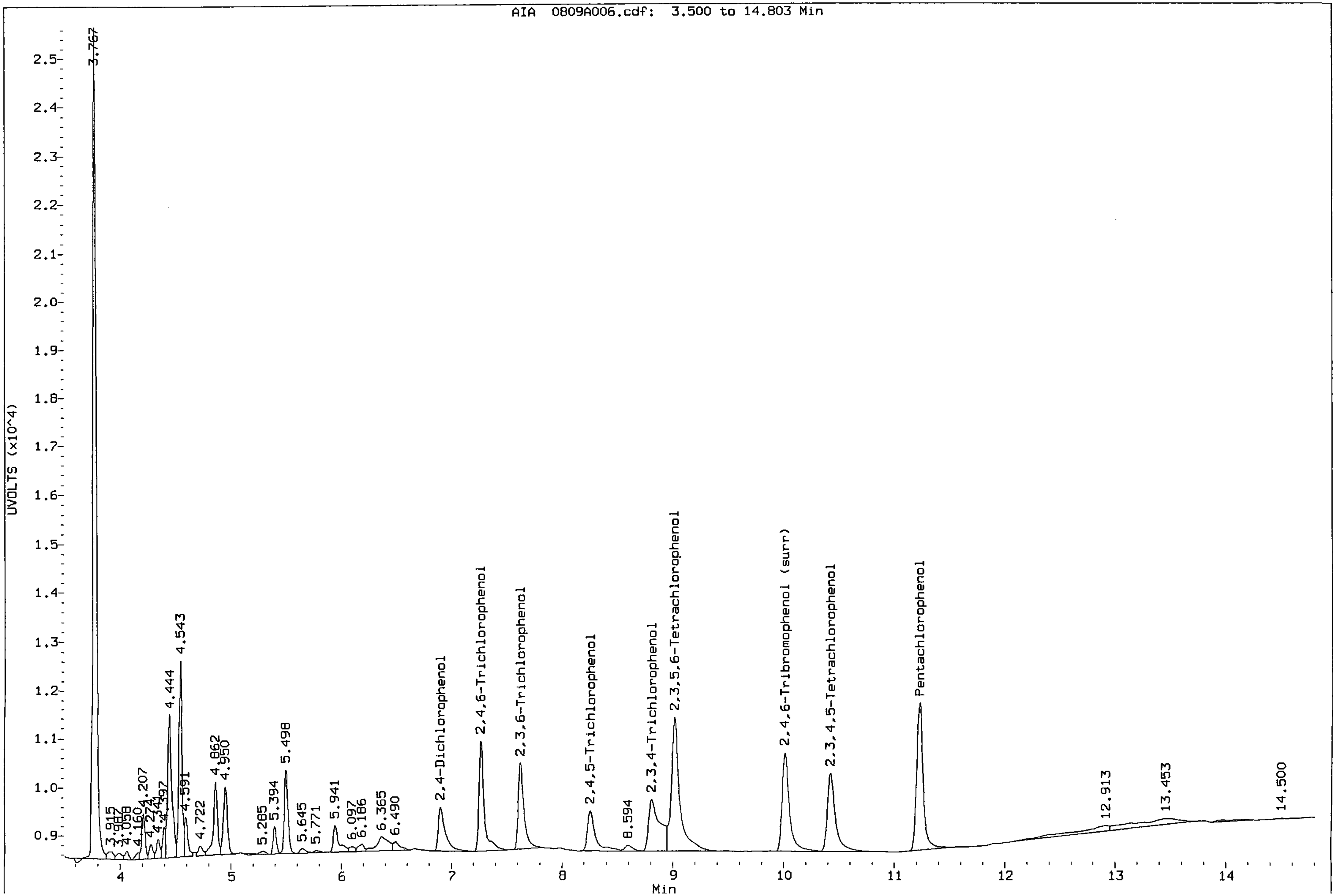
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



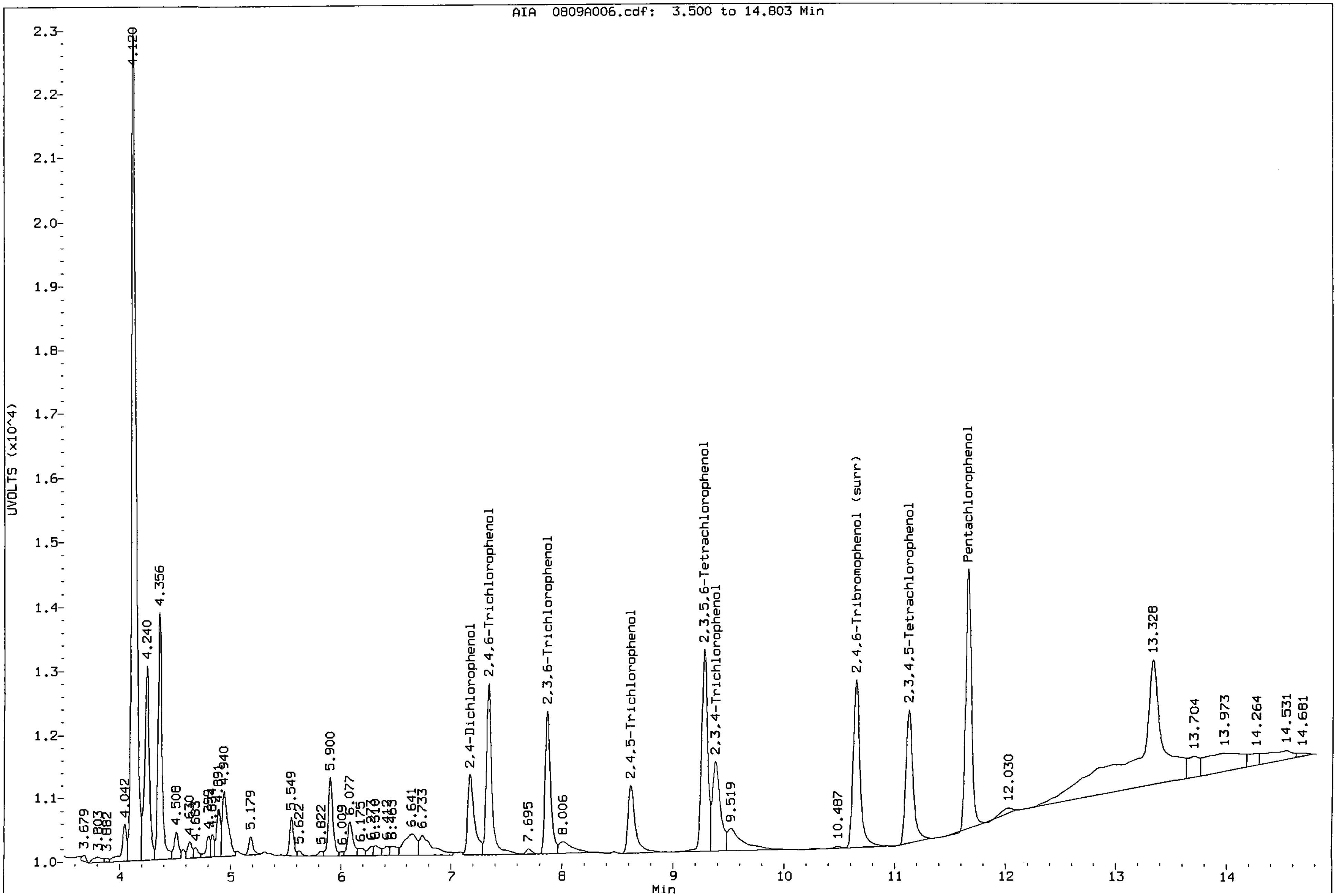
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A006.d/0809A006.cdf
Injection Date: 09-AUG-2010 12:43
Instrument: ecd1.i
Client Sample ID:

Before 08/12/2010



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A006.d/0809A006.cdf
Injection Date: 09-AUG-2010 12:43
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



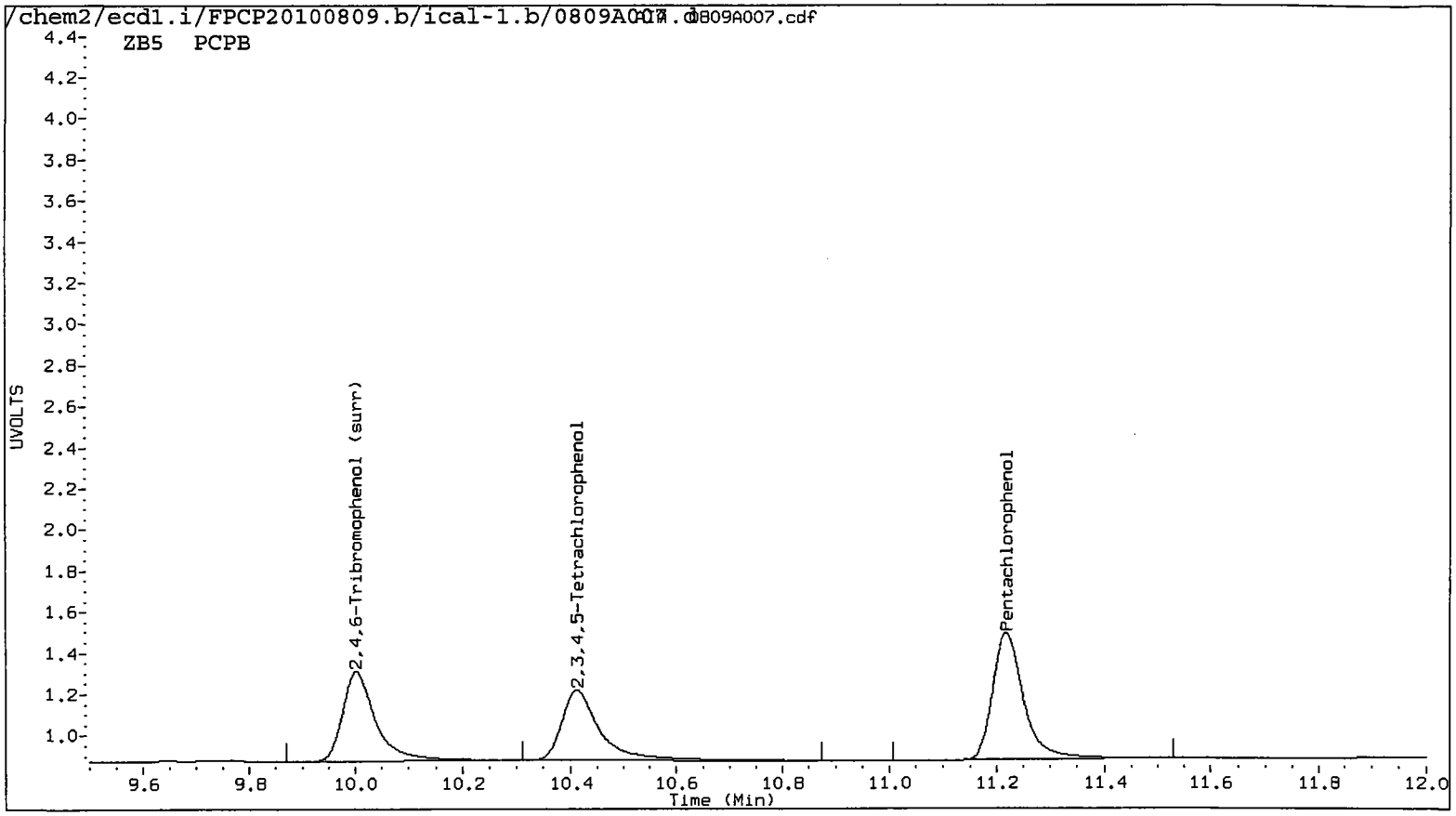
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

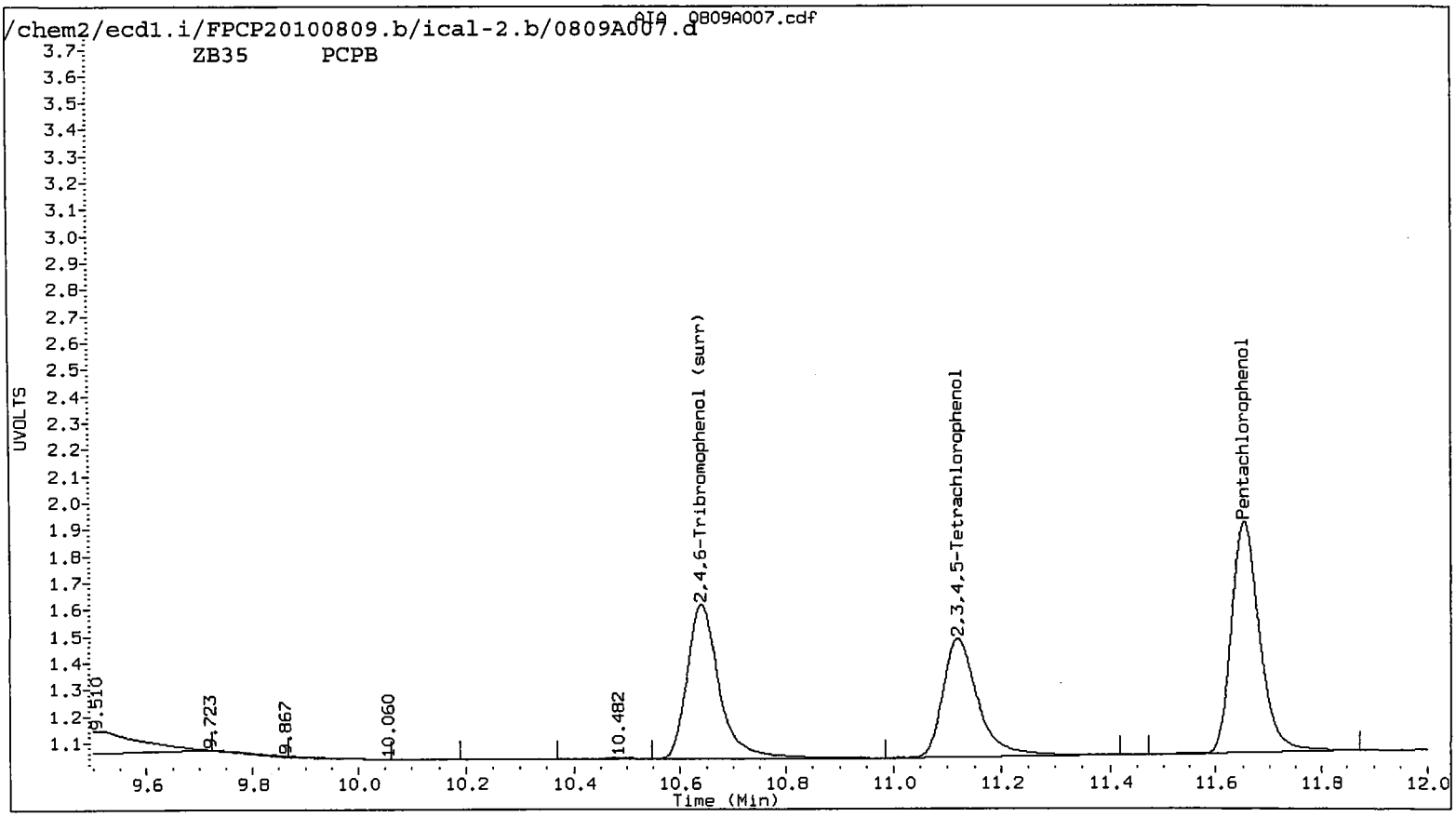
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d ARI ID: PCPB
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 13:03
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.219	0.000	123902	11.654	-0.004	156217	7.2292	6.8035	6.1	Pentachlorophenol
7.264	0.000	65457	7.333	0.000	78390	7.0775	6.2789	12.0	2,4,6-Trichlorophenol
7.619	0.000	65624	7.862	-0.002	82392	6.9041	6.6399	3.9	2,3,6-Trichlorophenol
8.242	0.000	33512	8.607	-0.008	48273	6.6393	7.0262	5.7	2,4,5-Trichlorophenol
8.792	0.000	44178	9.373	-0.007	73211	6.4577	7.9367	20.5	2,3,4-Trichlorophenol
9.007	0.000	94127	9.270	-0.007	125627	6.6730	6.7852	1.7	2,3,5,6-Tetrachlorophenol
10.413	0.000	84118	11.119	-0.007	100660	7.1596	6.8989	3.7	2,3,4,5-Tetrachlorophenol
6.893	0.000	39212	7.163	-0.003	45023	67.0259	63.5184	5.4	2,4-Dichlorophenol
10.002	0.000	93741	10.640	-0.006	121487	7.0	6.5	7.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	28.0	26.0

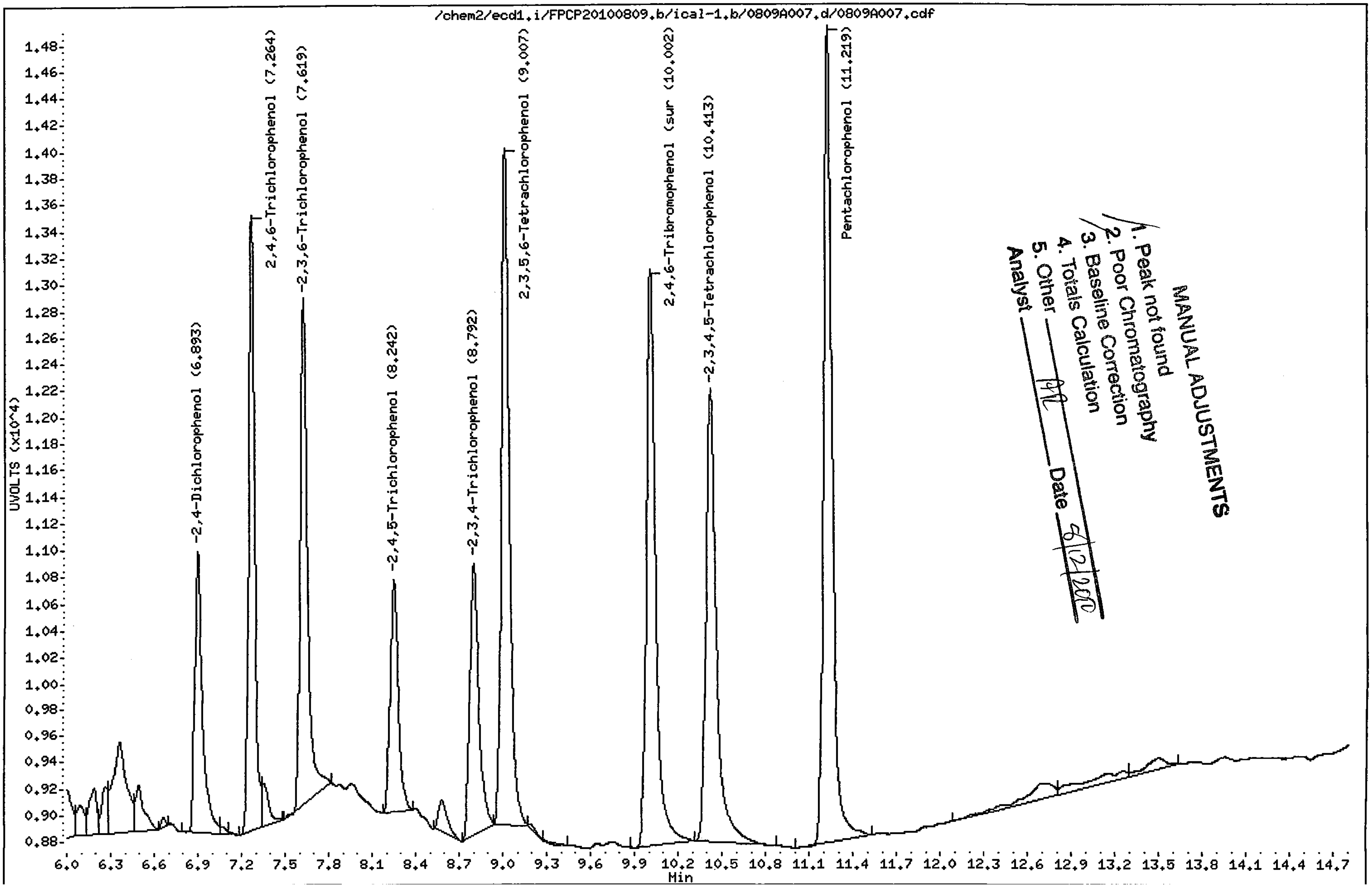

/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d
AIA 0809A007.cdf
ZB5 PCPB
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d
AIA 0809A007.cdf
ZB35 PCPB
UVOLTS
9.510
9.723
9.867
10.060
10.482
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d
Date : 09-AUG-2010 13:03
Client ID:
Sample Info: PCPB
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53

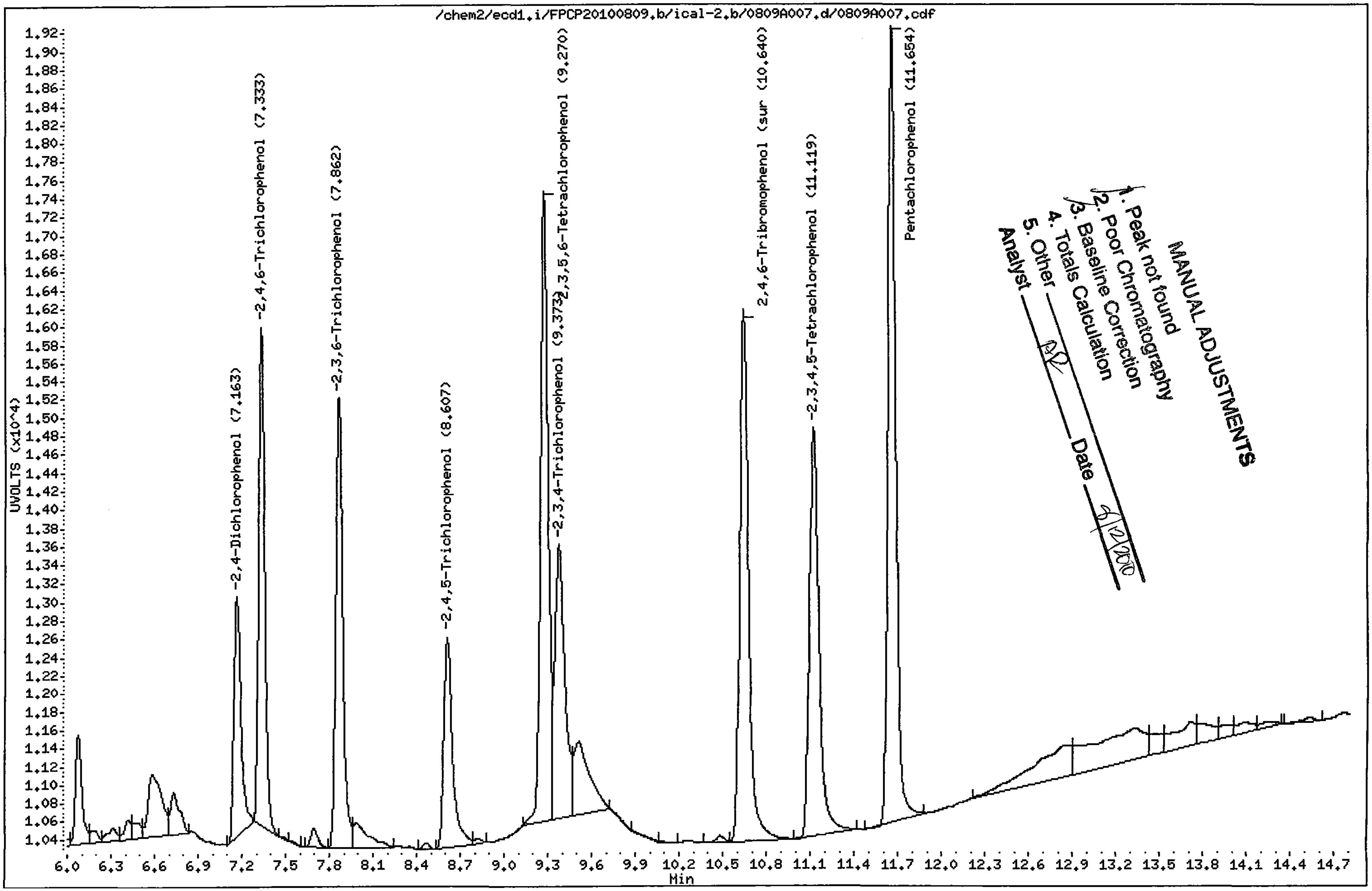


RG58 : 00894

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d
Date : 09-AUG-2010 13:03
Client ID:
Sample Info: PCPB
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i

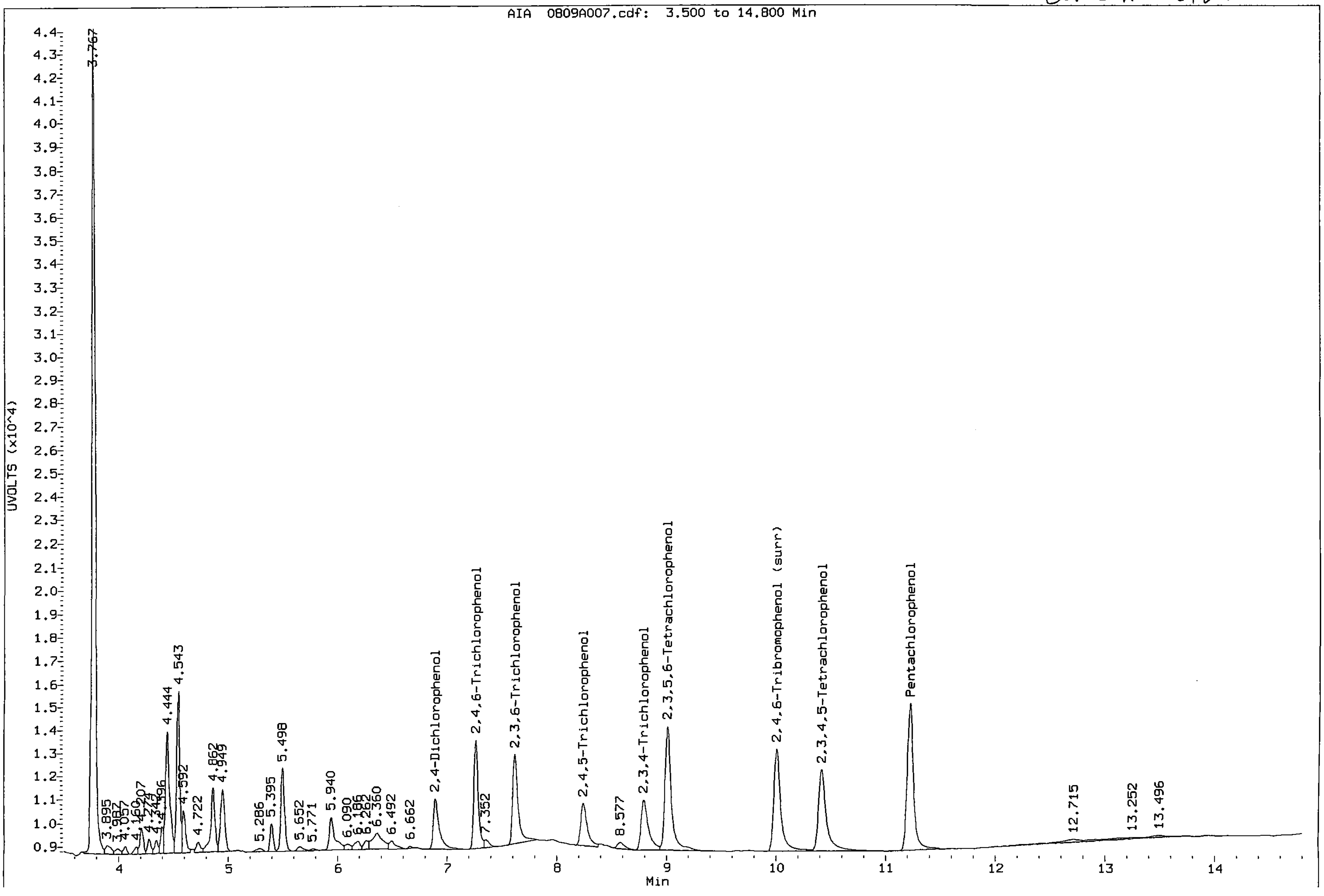
Operator: ar
Column diameter: 0.53



MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst AR Date 8/12/2010

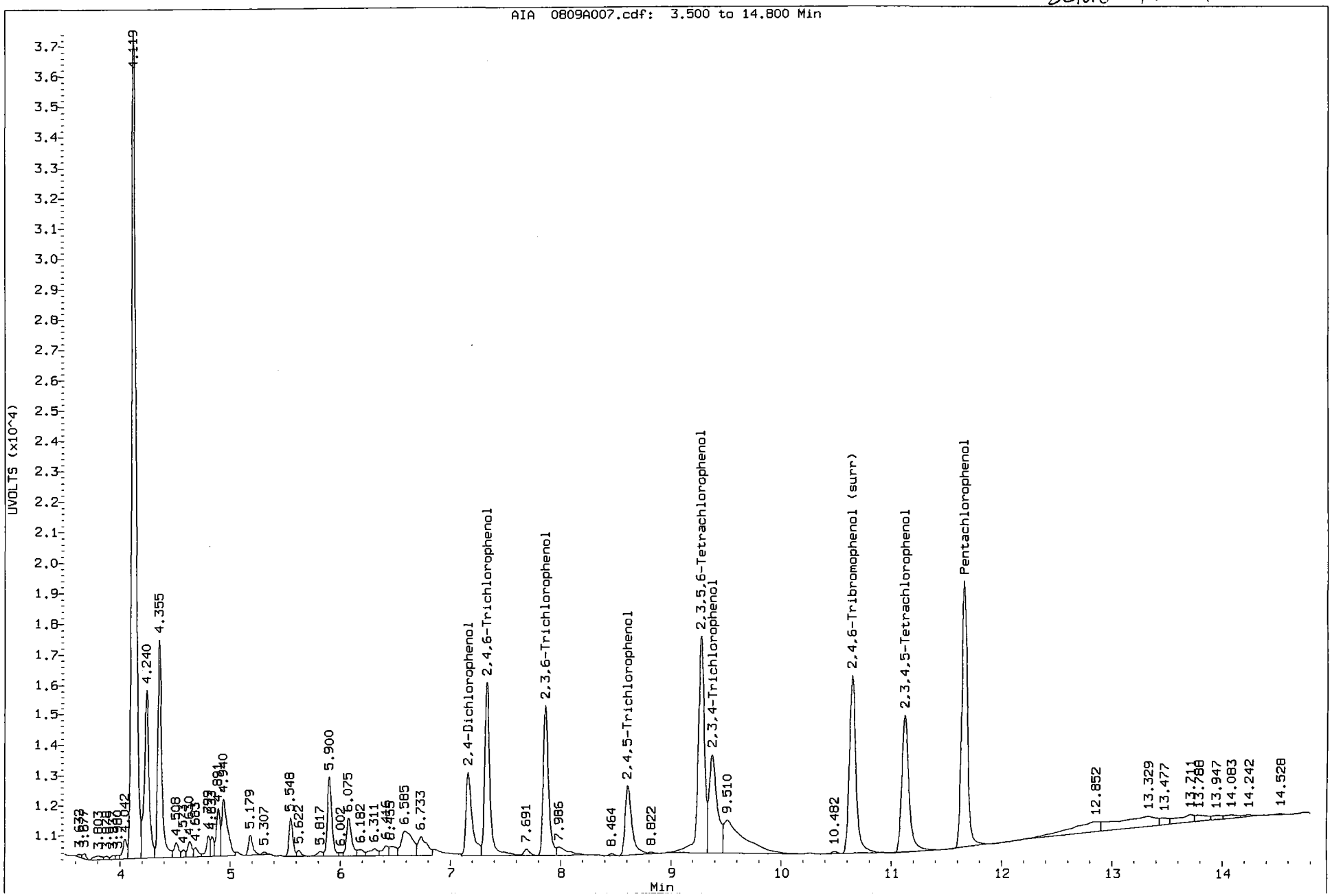
Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A007.d/0809A007.cdf
Injection Date: 09-AUG-2010 13:03
Instrument: ecd1.i
Client Sample ID:

Before AR 8/18/2010



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A007.d/0809A007.cdf
Injection Date: 09-AUG-2010 13:03
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



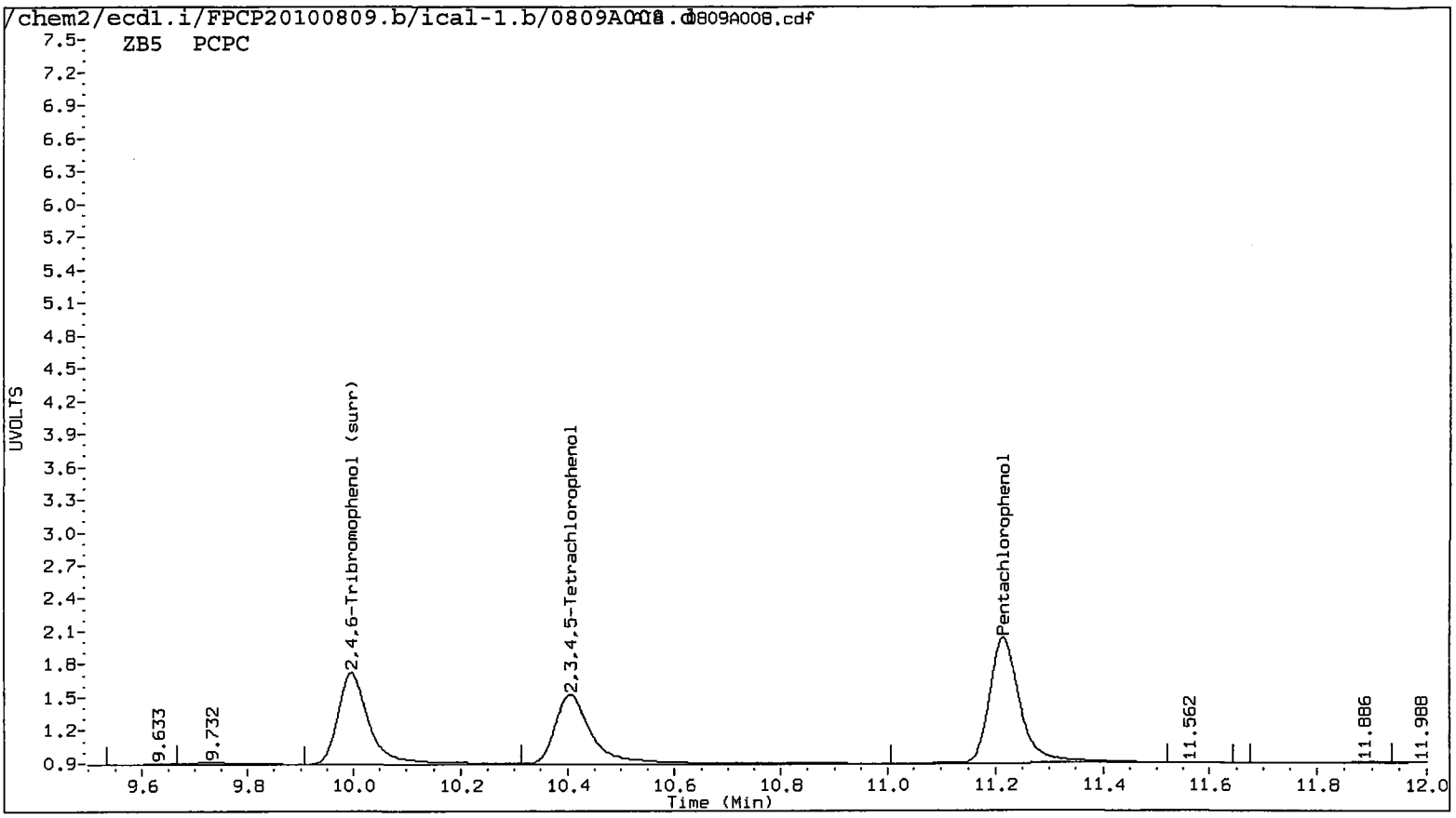
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

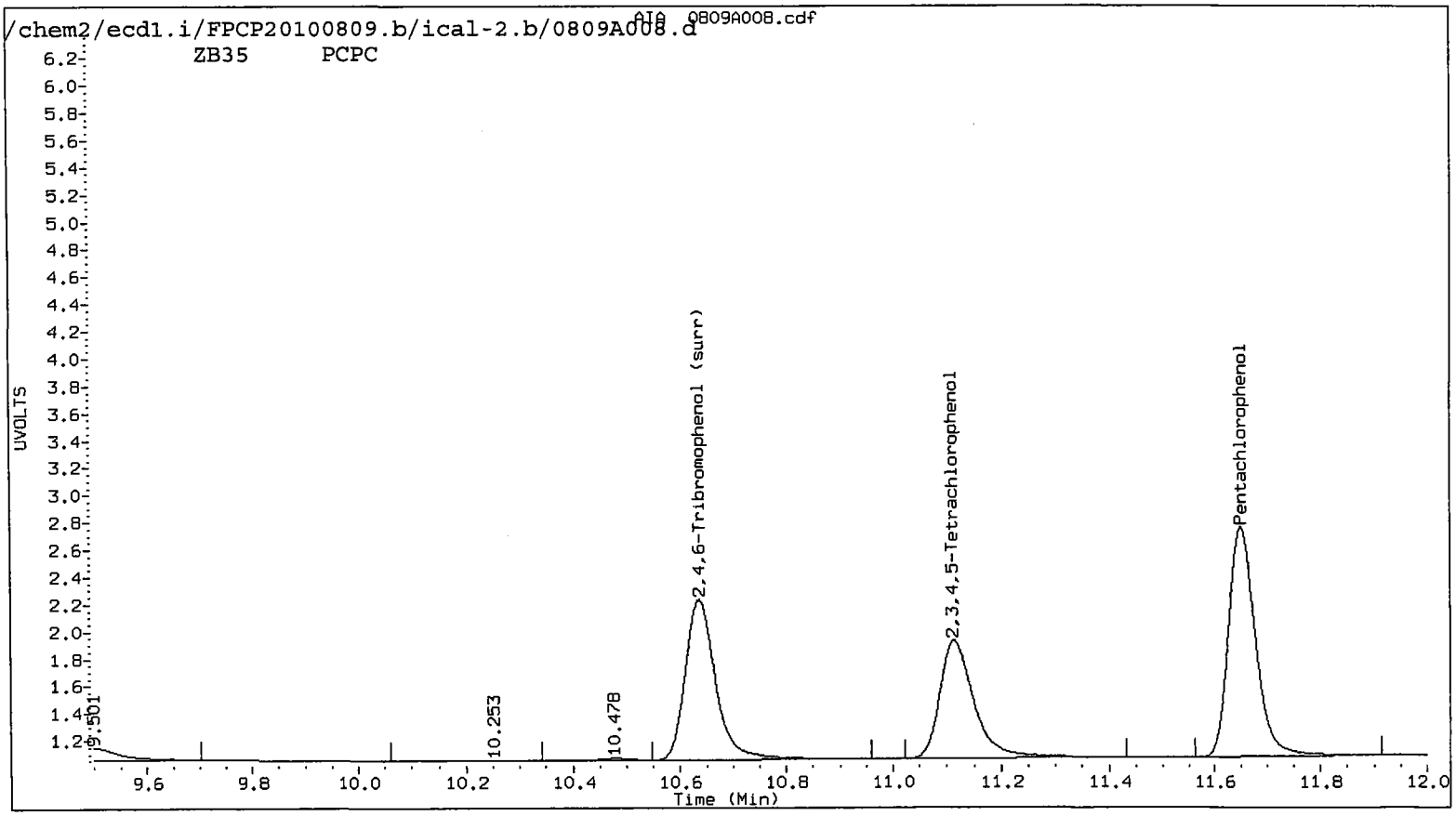
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d ARI ID: PCPC
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 13:23
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.215	-0.004	222874	11.652	-0.006	298790	13.5277	13.0127	3.9	Pentachlorophenol
7.263	-0.001	119503	7.331	-0.002	175254	13.3777	14.0376	4.8	2,4,6-Trichlorophenol
7.617	-0.002	120087	7.860	-0.004	157630	12.9827	12.7034	2.2	2,3,6-Trichlorophenol
8.232	-0.010	71098	8.600	-0.015	89400	14.0857	13.5058	4.2	2,4,5-Trichlorophenol
8.780	-0.012	89192	9.365	-0.015	117878	13.0377	13.1515	0.9	2,3,4-Trichlorophenol
9.002	-0.005	187444	9.266	-0.011	232265	13.2886	12.5448	5.8	2,3,5,6-Tetrachlorophenol
10.406	-0.007	153678	11.115	-0.011	189199	13.8120	12.9671	6.3	2,3,4,5-Tetrachlorophenol
6.890	-0.003	76337	7.160	-0.006	91643	141.9985	137.3547	3.3	2,4-Dichlorophenol
9.996	-0.006	174610	10.636	-0.010	235194	13.5	12.6	6.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	53.9	50.4


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d
0809A008.cdf
ZB5 PCPC
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.633
9.732
11.562
11.886
11.988
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
0809A008.cdf
ZB35 PCPC
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.501
10.253
10.478
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A008.d

Date : 09-AUG-2010 13:23

Client ID:

Sample Info: PCPC

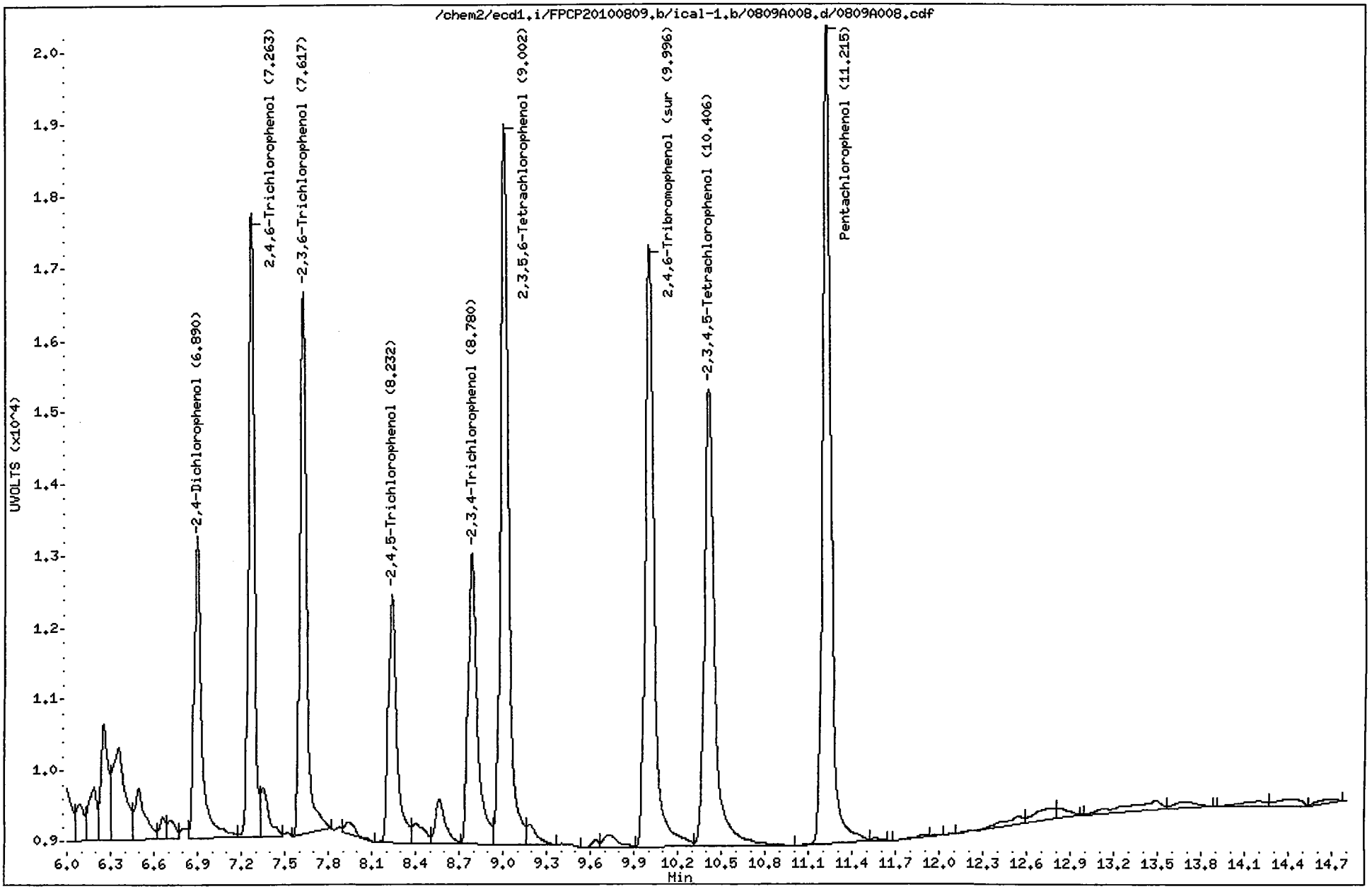
Purge Volume: 2.0

Column phase: ZB5

Instrument: ecd1.i

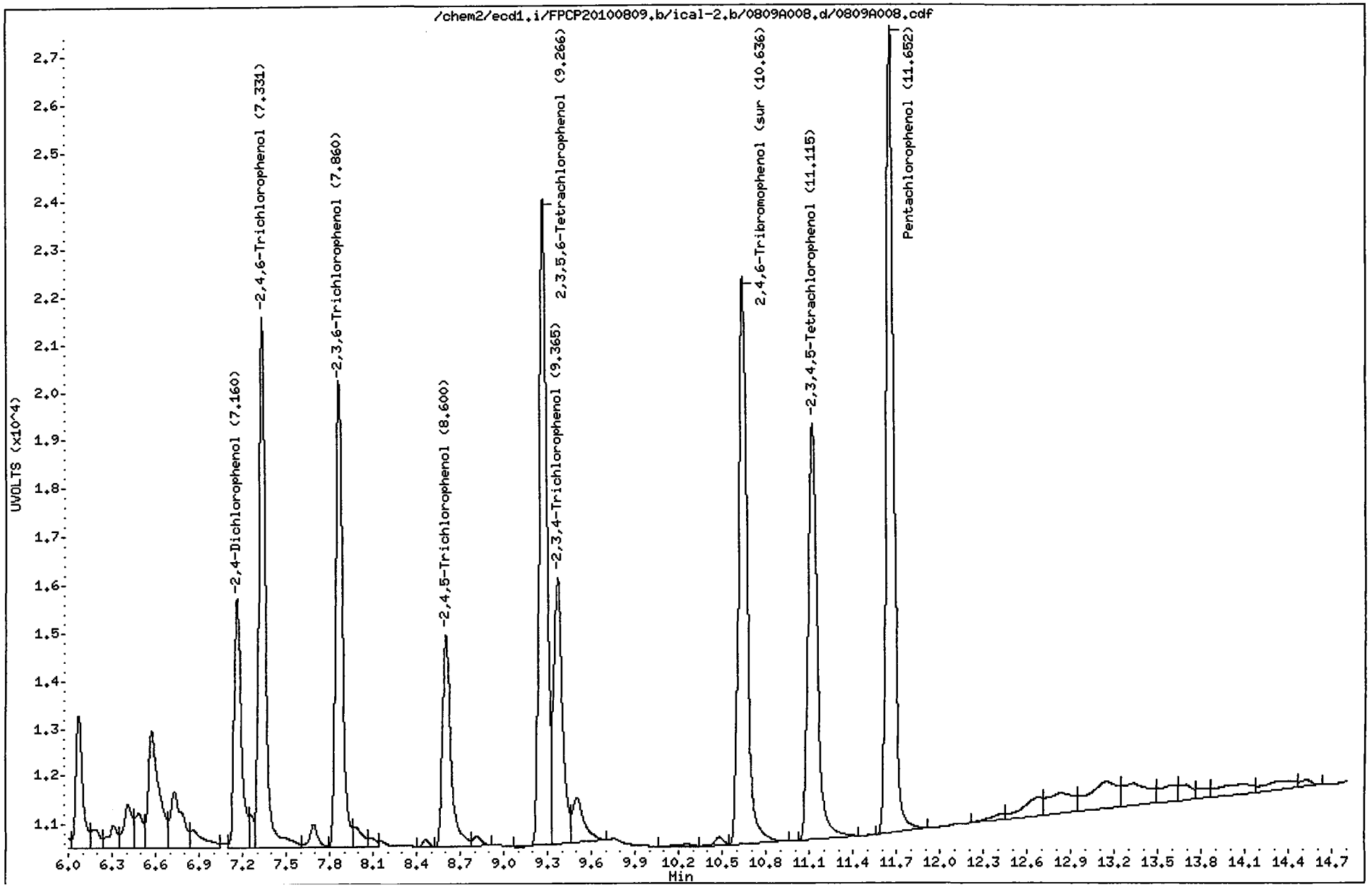
Operator: ar

Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A008.d
Date : 09-AUG-2010 13:23
Client ID:
Sample Info: PCPC
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



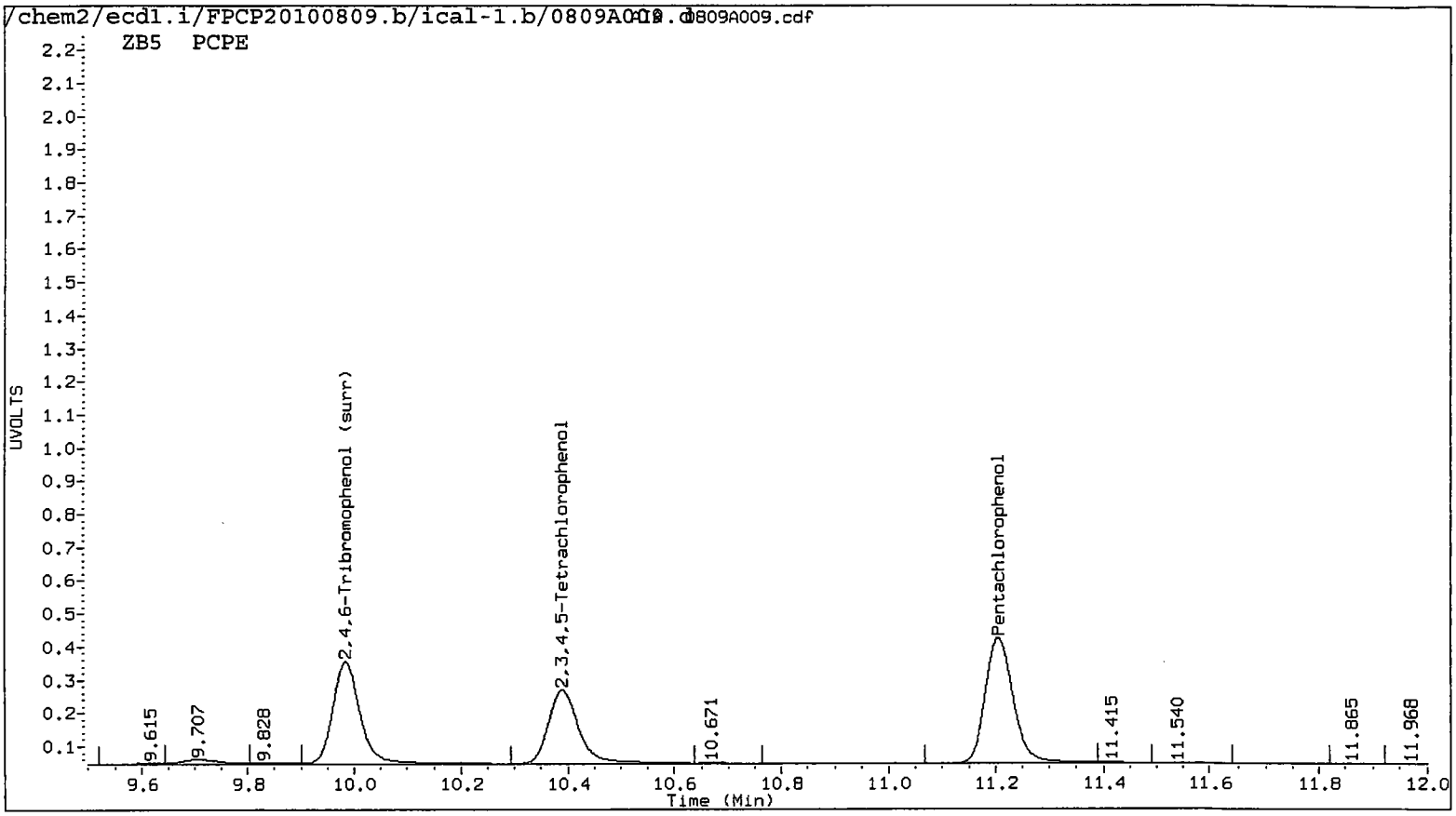
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

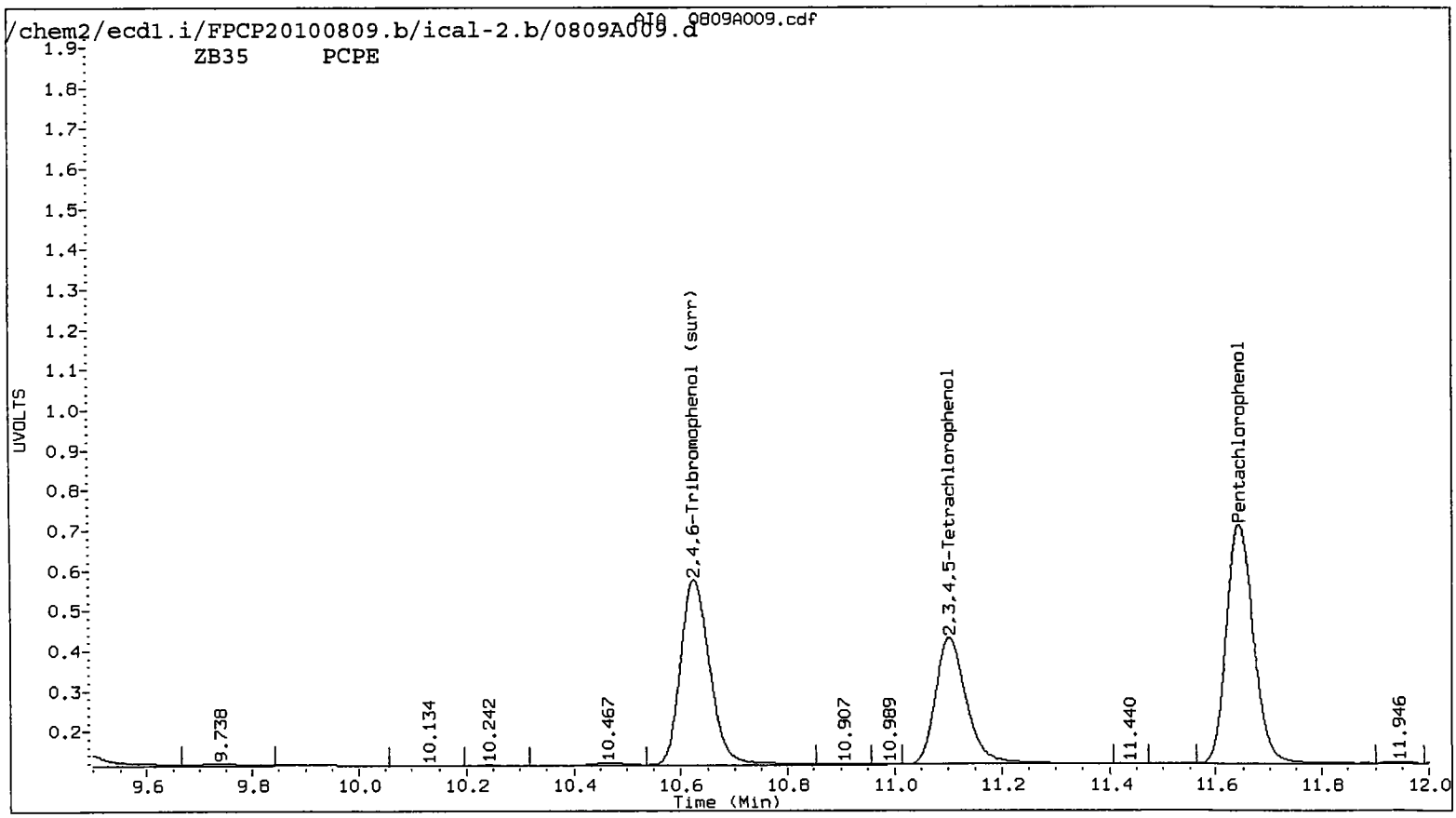
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d ARI ID: PCPE
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 13:43
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.206	-0.013	684285	11.645	-0.013	1025332	49.0326	44.6545	9.3	Pentachlorophenol
7.259	-0.005	376941	7.327	-0.006	561100	49.0547	44.9434	8.7	2,4,6-Trichlorophenol
7.611	-0.008	401238	7.855	-0.009	556890	49.3933	44.8796	9.6	2,3,6-Trichlorophenol
8.212	-0.030	214503	8.586	-0.029	278412	42.4967	49.1247	14.5	2,4,5-Trichlorophenol
8.760	-0.032	273728	9.351	-0.029	376624	40.0123	48.9147	20.0	2,3,4-Trichlorophenol
8.990	-0.017	594124	9.256	-0.021	833297	42.1197	45.0070	6.6	2,3,5,6-Tetrachlorophenol
10.389	-0.024	444734	11.103	-0.023	639912	48.8325	43.8575	10.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	204471	7.153	-0.013	267768	486.7918	490.3559	0.7	2,4-Dichlorophenol
9.984	-0.018	559983	10.626	-0.020	861309	49.4	46.1	6.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	197.7	184.6

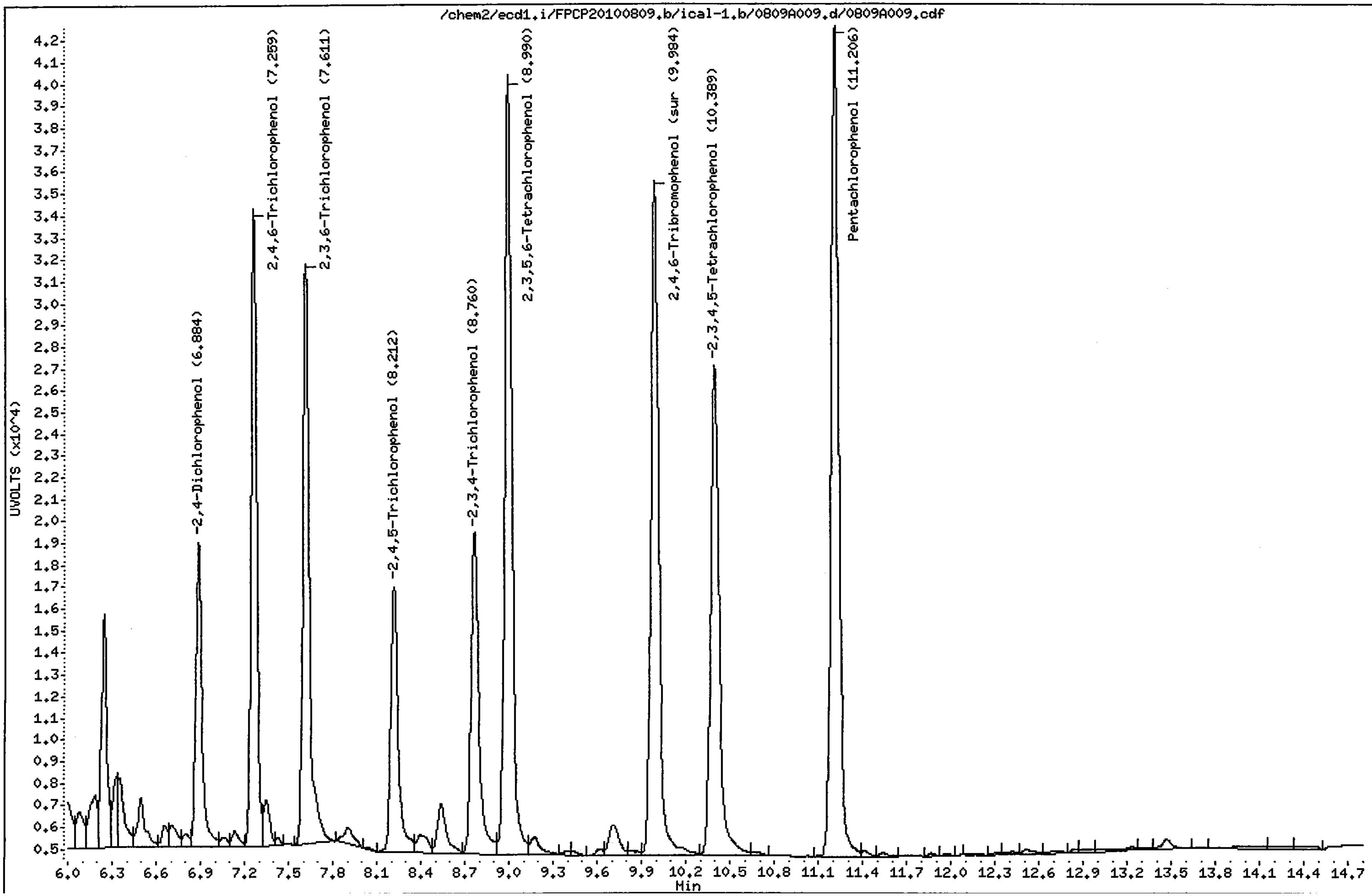

/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
ZB5 PCPE
UVOLTS
Time (Min)
9.615
9.707
9.828
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
10.671
Pentachlorophenol
11.415
11.540
11.865
11.968


/chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
ZB35 PCPE
UVOLTS
Time (Min)
9.738
10.134
10.242
10.467
2,4,6-Tribromophenol (surr)
10.907
10.989
2,3,4,5-Tetrachlorophenol
11.440
Pentachlorophenol
11.946

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A009.d
Date : 09-AUG-2010 13:43
Client ID:
Sample Info: PCPE
Purge Volume: 2.0
Column phase: ZB5

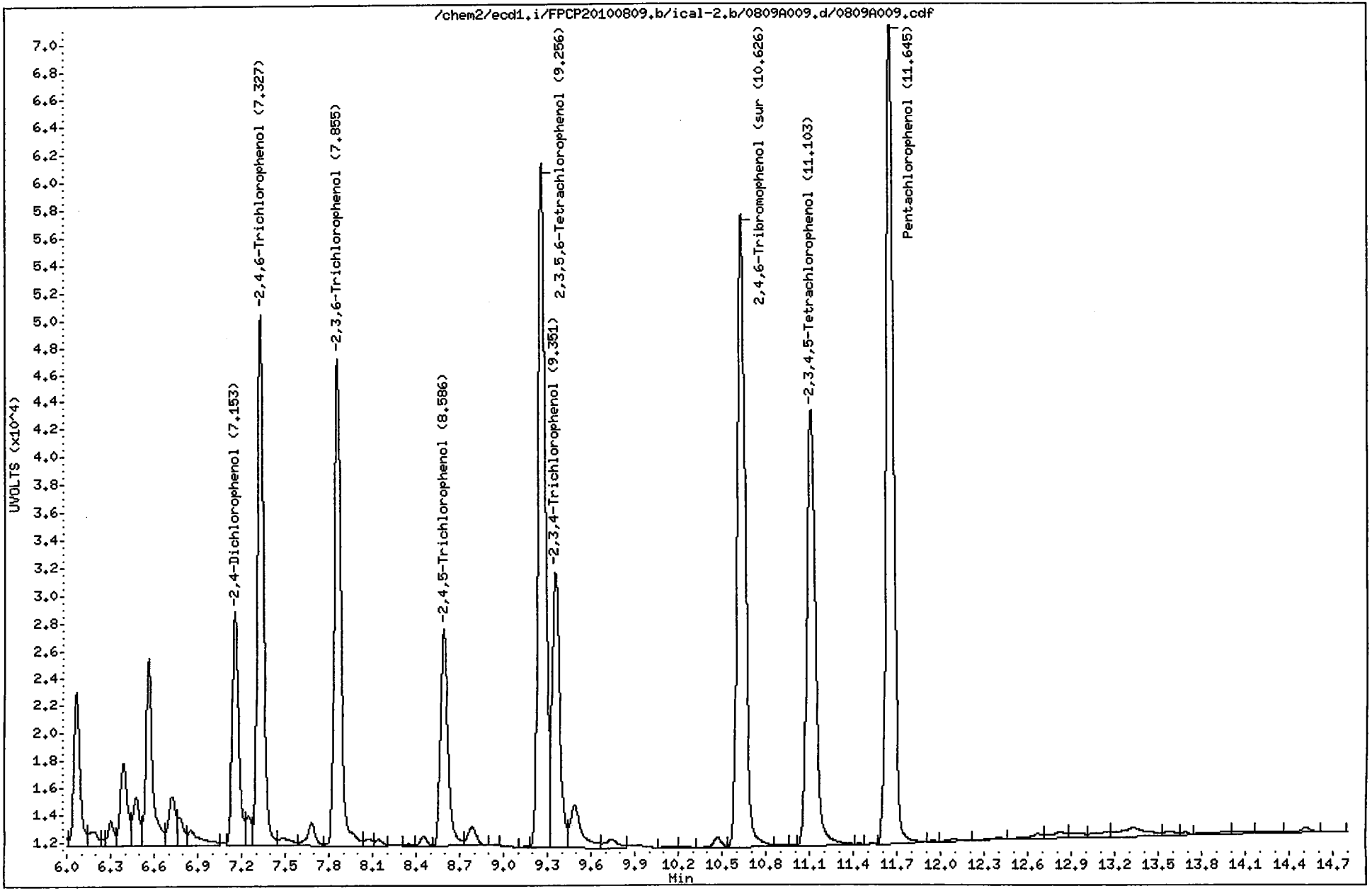
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A009.d
Date : 09-AUG-2010 13:43
Client ID:
Sample Info: PCPE
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



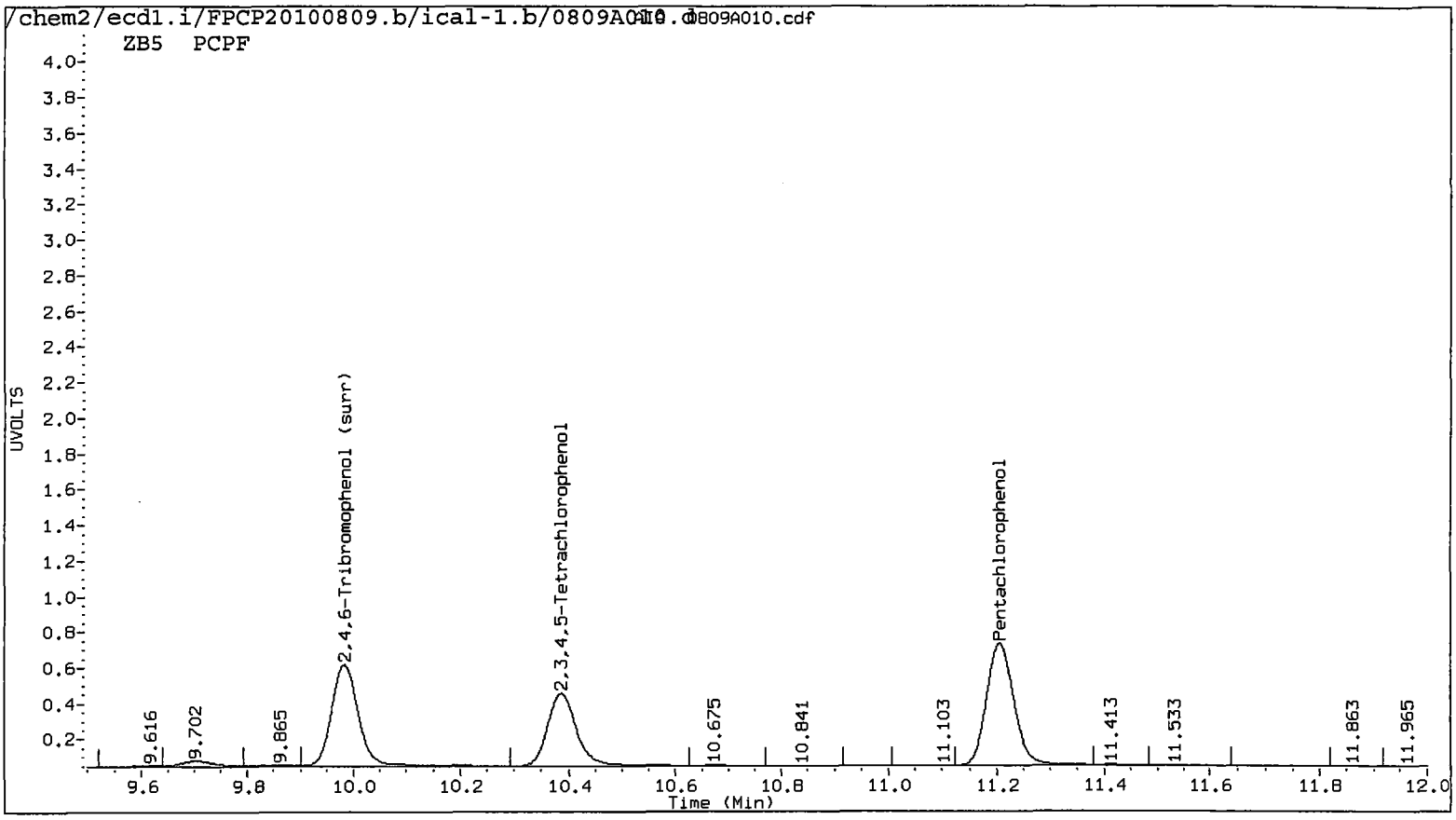
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

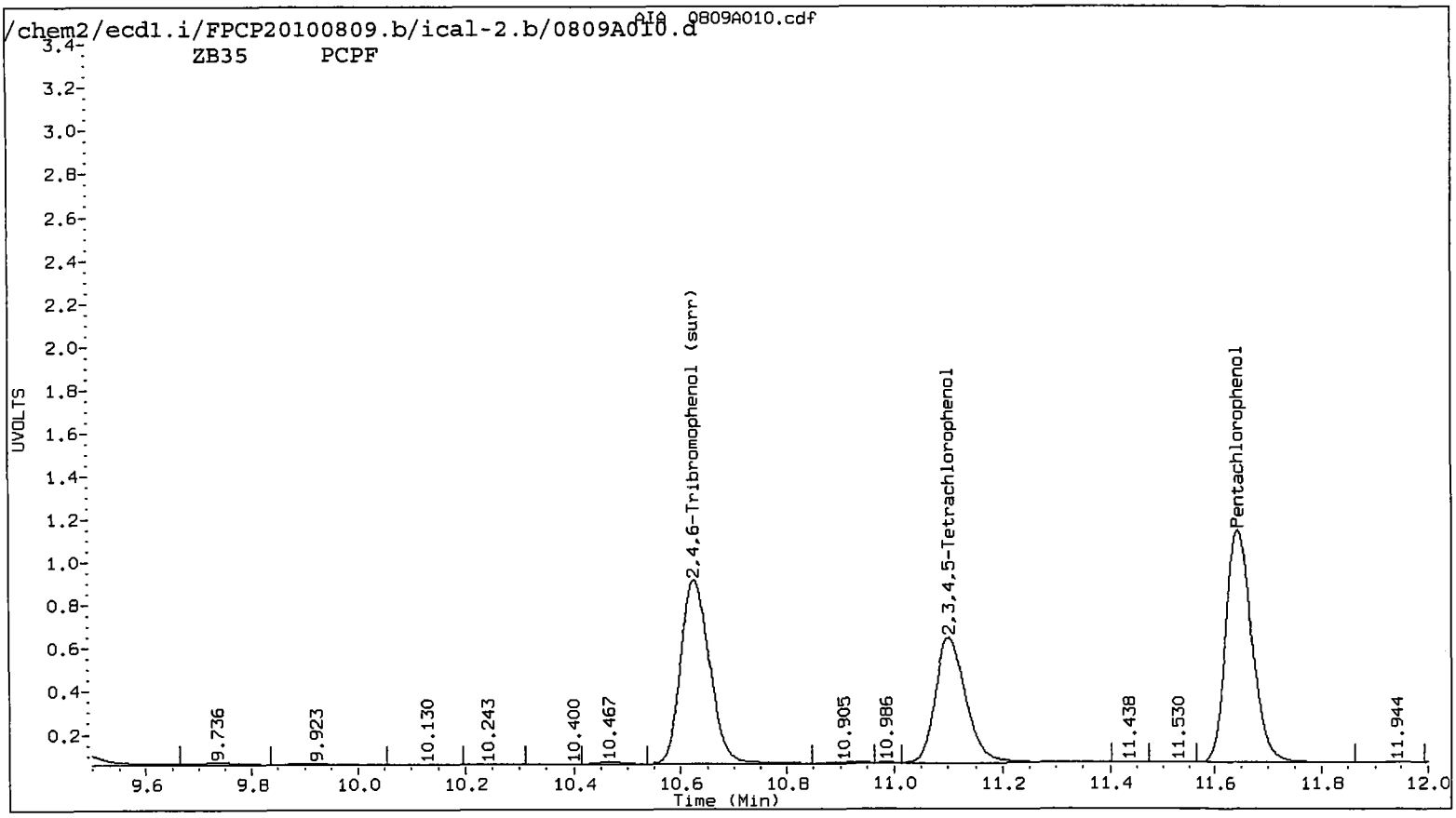
Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d ARI ID: PCPF
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A010.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 14:03
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.206	-0.013	1196534	11.646	-0.012	1836826	100.2949	79.9961	22.5	Pentachlorophenol
7.260	-0.004	665977	7.328	-0.005	1007057	100.2742	80.6640	21.7	2,4,6-Trichlorophenol
7.612	-0.007	716085	7.856	-0.008	1010769	100.1734	81.4576	20.6	2,3,6-Trichlorophenol
8.209	-0.033	362686	8.584	-0.031	489569	71.8542	100.2604	33.0	2,4,5-Trichlorophenol
8.756	-0.036	505263	9.349	-0.031	666942	73.8571	100.3206	30.4	2,3,4-Trichlorophenol
8.990	-0.017	1055773	9.257	-0.020	1529812	74.8477	82.6263	9.9	2,3,5,6-Tetrachloropheno
10.387	-0.026	762767	11.103	-0.023	1154091	100.3602	79.0976	23.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	341711	7.153	-0.013	457854	1004.0557	1002.7434	0.1	2,4-Dichlorophenol
9.983	-0.019	994034	10.627	-0.019	1608339	100.2	86.2	15.1	2,4,6-Tribromophenol (surr

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	400.8	344.6


/chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d
AIa 0809A010.cdf
ZB5 PCPF
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.616
9.702
9.865
10.675
10.841
11.103
11.413
11.533
11.863
11.965
Time (Min)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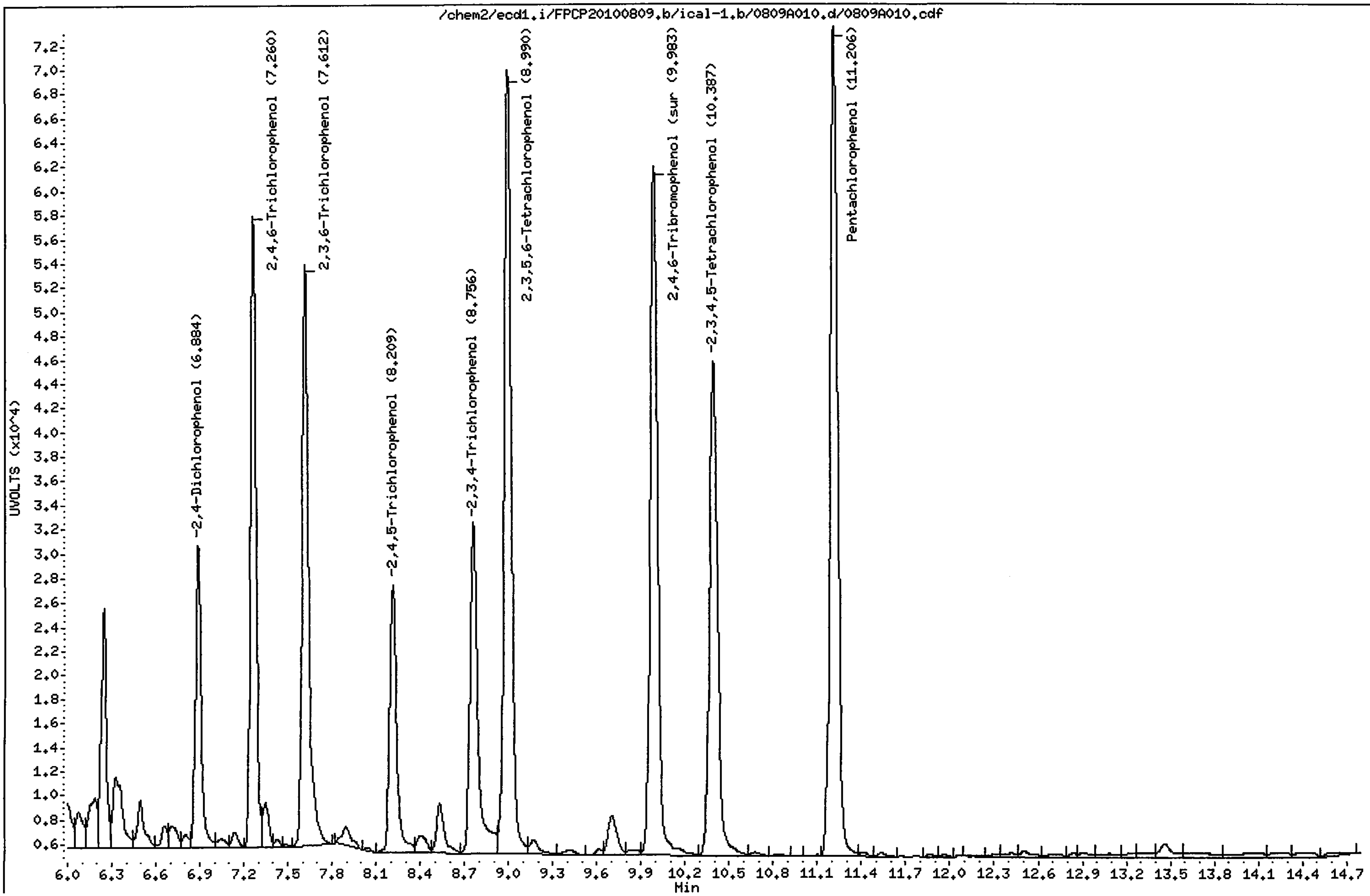
AIa 0809A010.cdf
ZB35 PCPF
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.736
9.923
10.130
10.243
10.400
10.467
10.905
10.986
11.438
11.530
11.944
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A010.d
Date : 09-AUG-2010 14:03
Client ID:
Sample Info: PCPF
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



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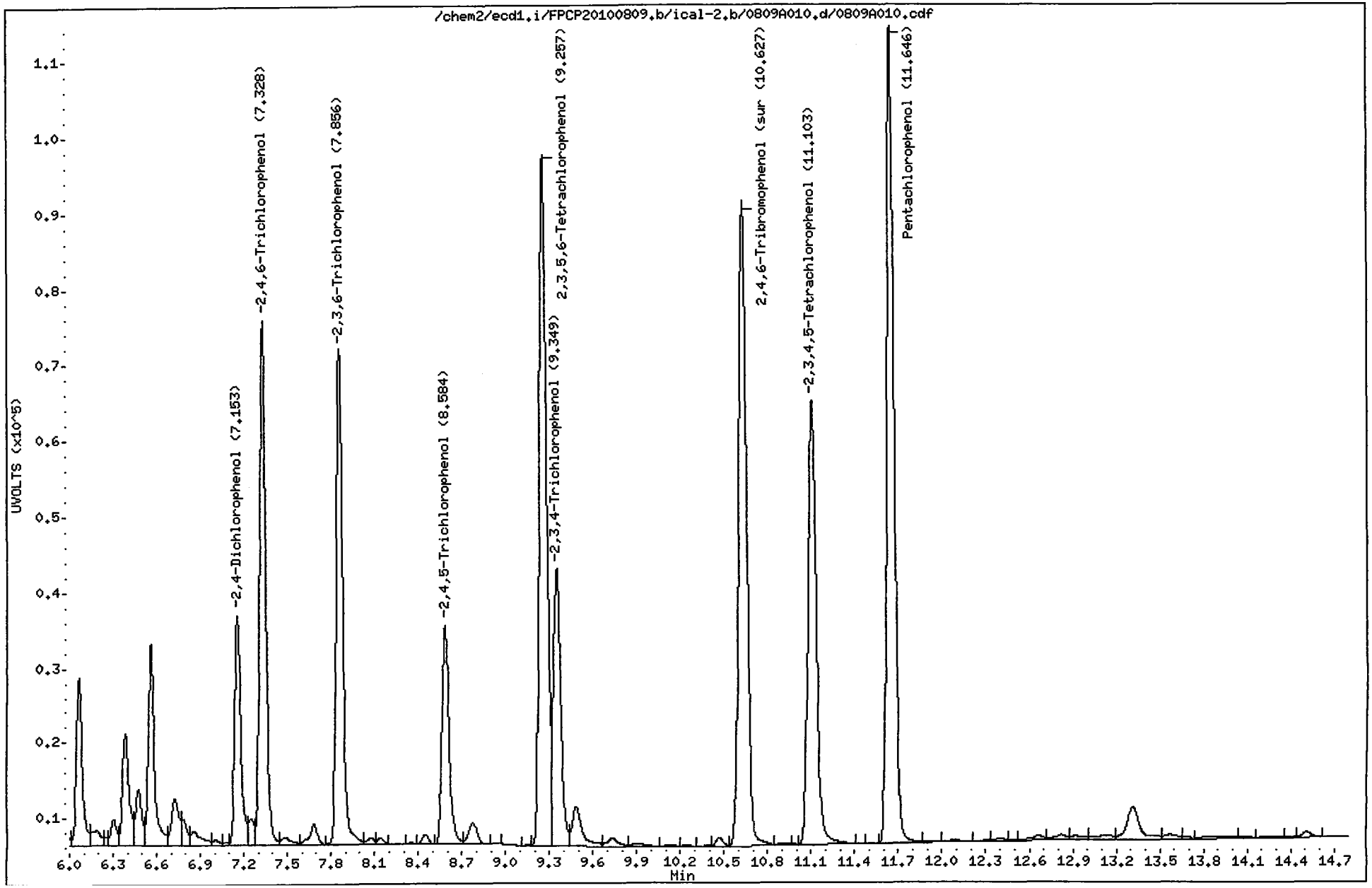
Date : 09-AUG-2010 14:03
Client ID:
Sample Info: PCPF
Purge Volume: 2.0
Column phase: ZB35

Instrument: ecd1.i
Operator: ar
Column diameter: 0.53



RC58 : 00909

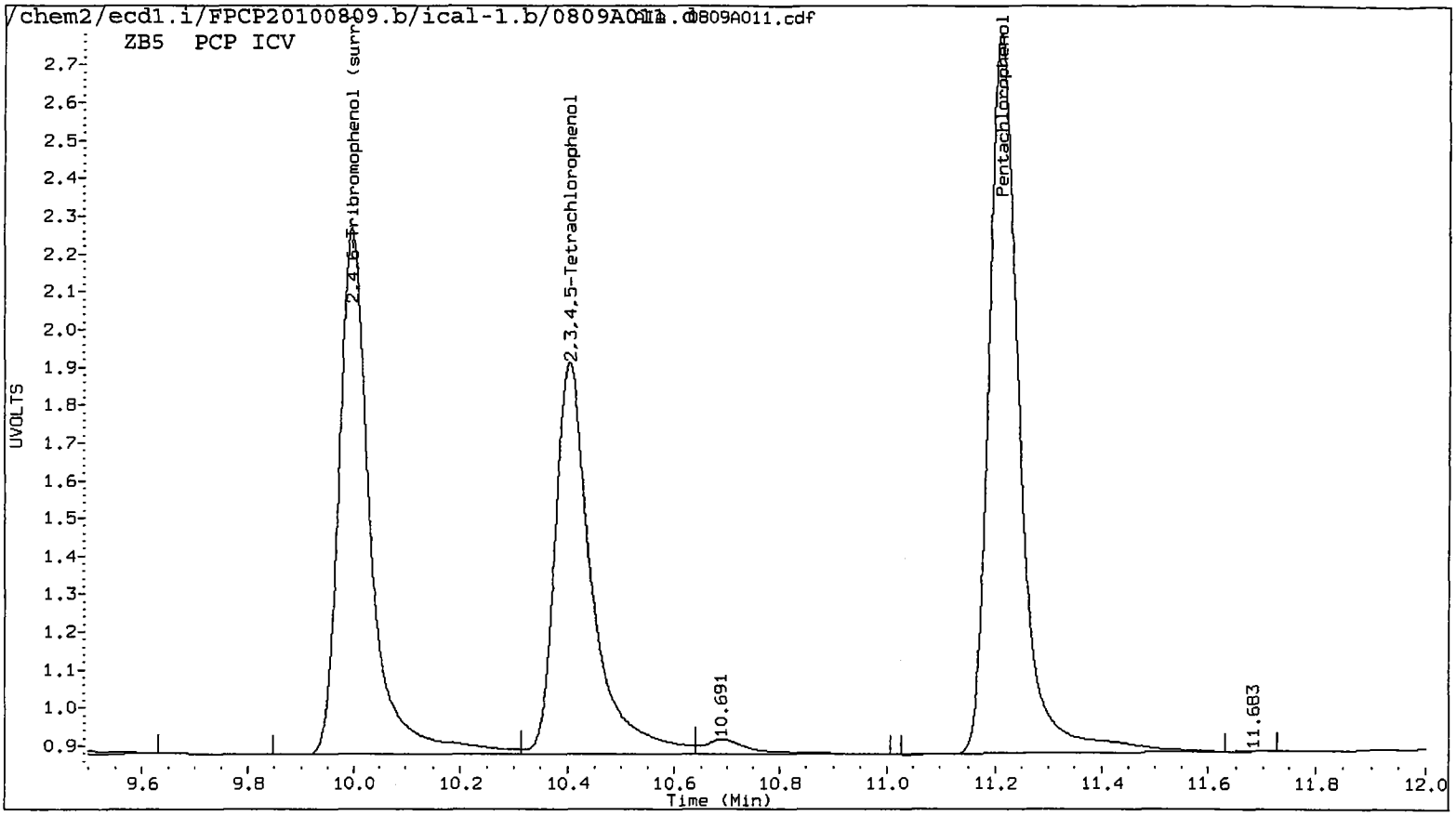
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A011.d ARI ID: PCP ICV
Data file 2: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 09-AUG-2010 14:23
Compound Sublist: all Report Date: 08/12/2010 19:15
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.215	-0.004	379790	11.652	-0.006	529883	24.4673	23.0771	5.8	Pentachlorophenol
7.262	-0.002	205092	7.330	-0.003	298811	24.1995	23.9344	1.1	2,4,6-Trichlorophenol
7.616	-0.003	218352	7.859	-0.005	286346	24.7503	23.0765	7.0	2,3,6-Trichlorophenol
8.230	-0.012	122402	8.599	-0.016	148542	24.2499	23.6199	2.6	2,4,5-Trichlorophenol
8.781	-0.011	146955	9.367	-0.013	237744	21.4812	28.5412	28.2	2,3,4-Trichlorophenol
9.000	-0.007	327277	9.265	-0.012	434865	23.2019	23.4874	1.2	2,3,5,6-Tetrachlorophenol
10.405	-0.008	246924	11.114	-0.012	318432	23.7688	21.8243	8.5	2,3,4,5-Tetrachlorophenol
6.888	-0.005	114813	7.158	-0.008	155429	231.5174	251.6722	8.3	2,4-Dichlorophenol
9.997	-0.005	292116	10.636	-0.010	411868	23.5	22.1	6.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	97.9	92.3
2,4,6-Trichlorophenol	96.8	95.7
2,3,6-Trichlorophenol	99.0	92.3
2,4,5-Trichlorophenol	97.0	94.5
2,3,4-Trichlorophenol	85.9	114.2
2,3,5,6-Tetrachlorophenol	92.8	93.9
2,3,4,5-Tetrachlorophenol	95.1	87.3
2,4-Dichlorophenol	92.6	100.7
2,4,6-TBP (surr)	47.0	44.1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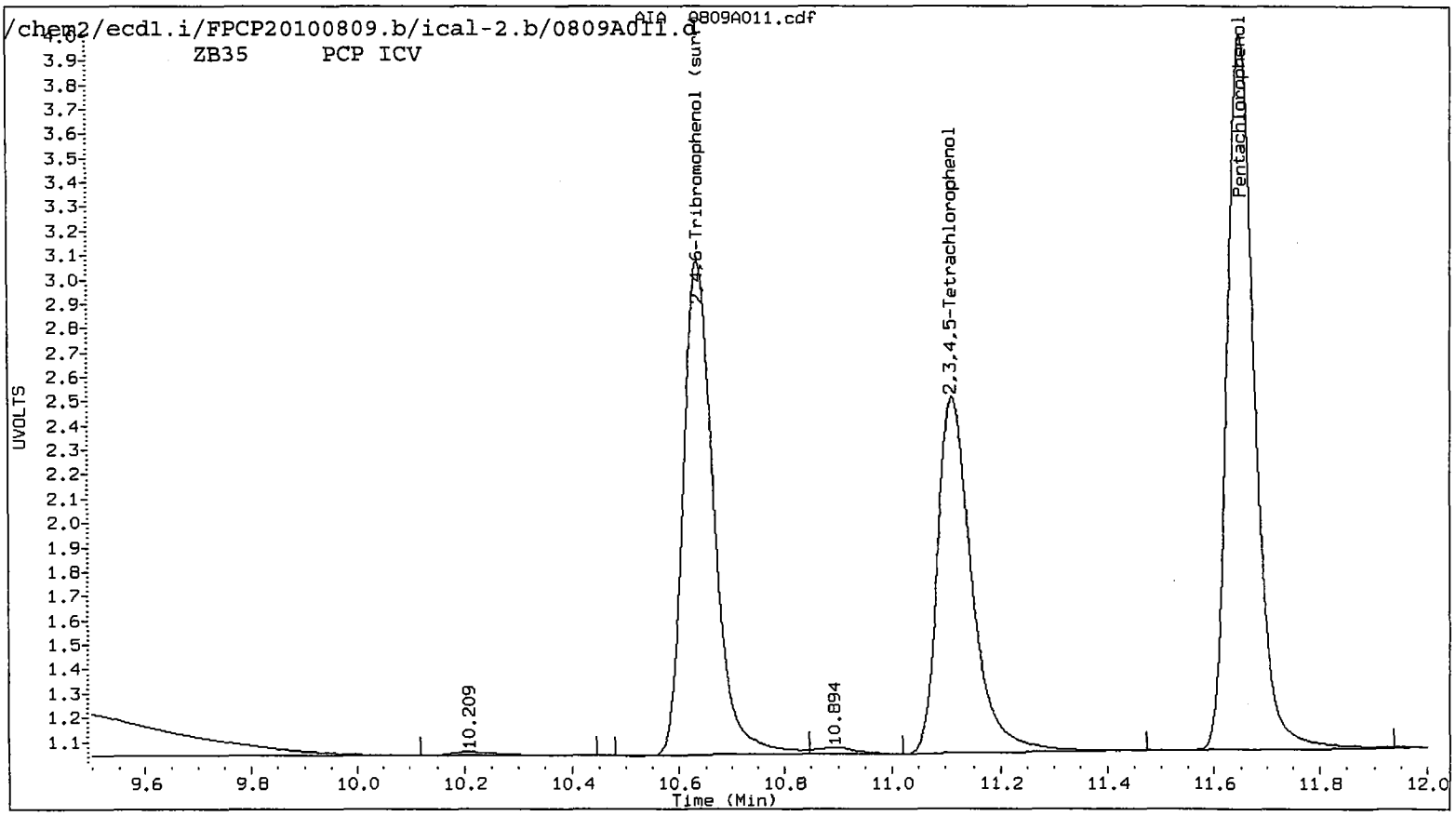
AIA 0809A011.cdf
ZB5 PCP ICV
2,4,6-Tribromophenol (surr
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
10.691
11.683
UVOLTS
Time (Min)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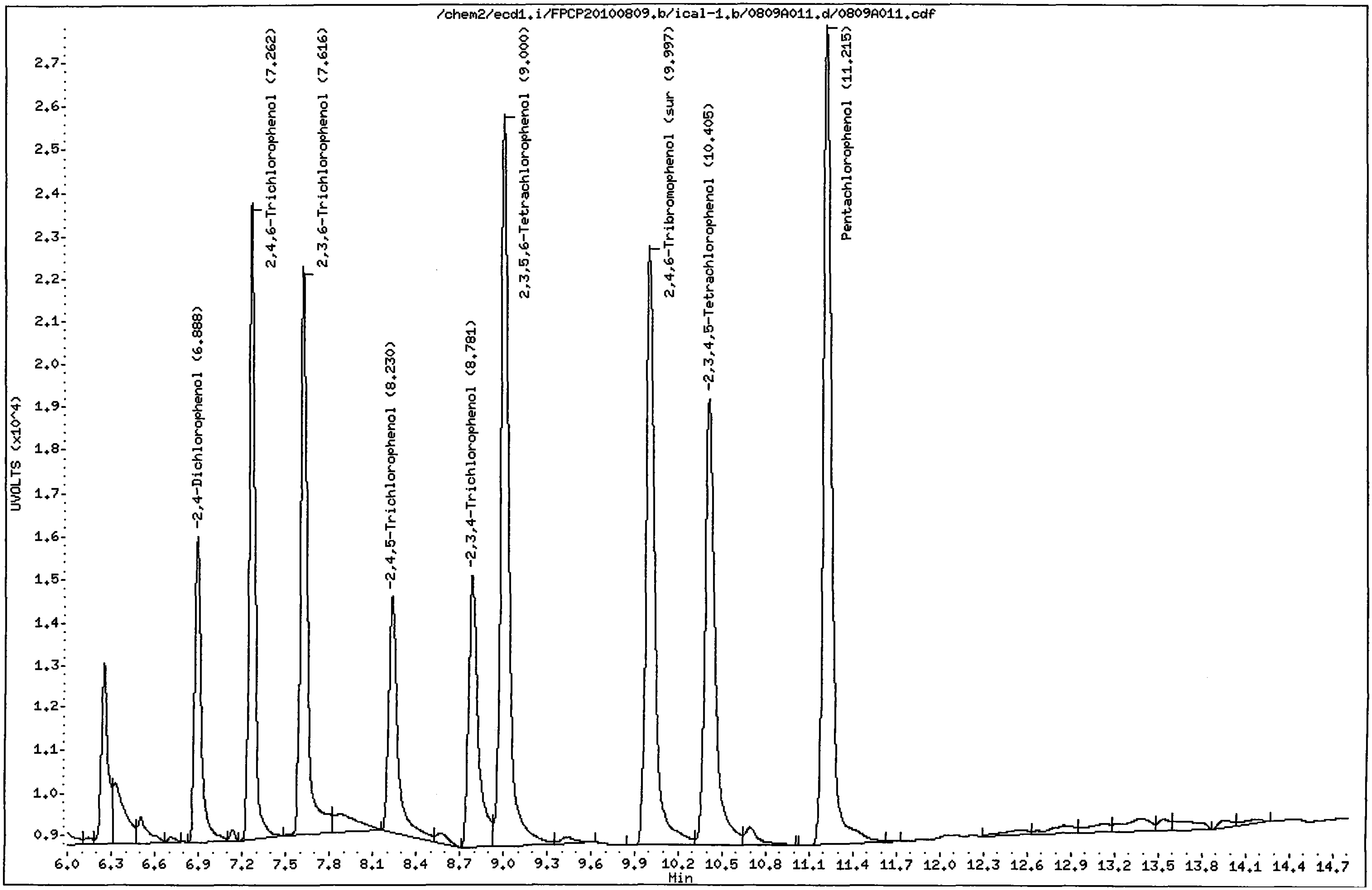
AIA 0809A011.cdf
ZB35 PCP ICV
2,4,6-Tribromophenol (surr
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
10.209
10.894
UVOLTS
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/ical-1.b/0809A011.d
Date : 09-AUG-2010 14:23
Client ID:
Sample Info: PCP ICV
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

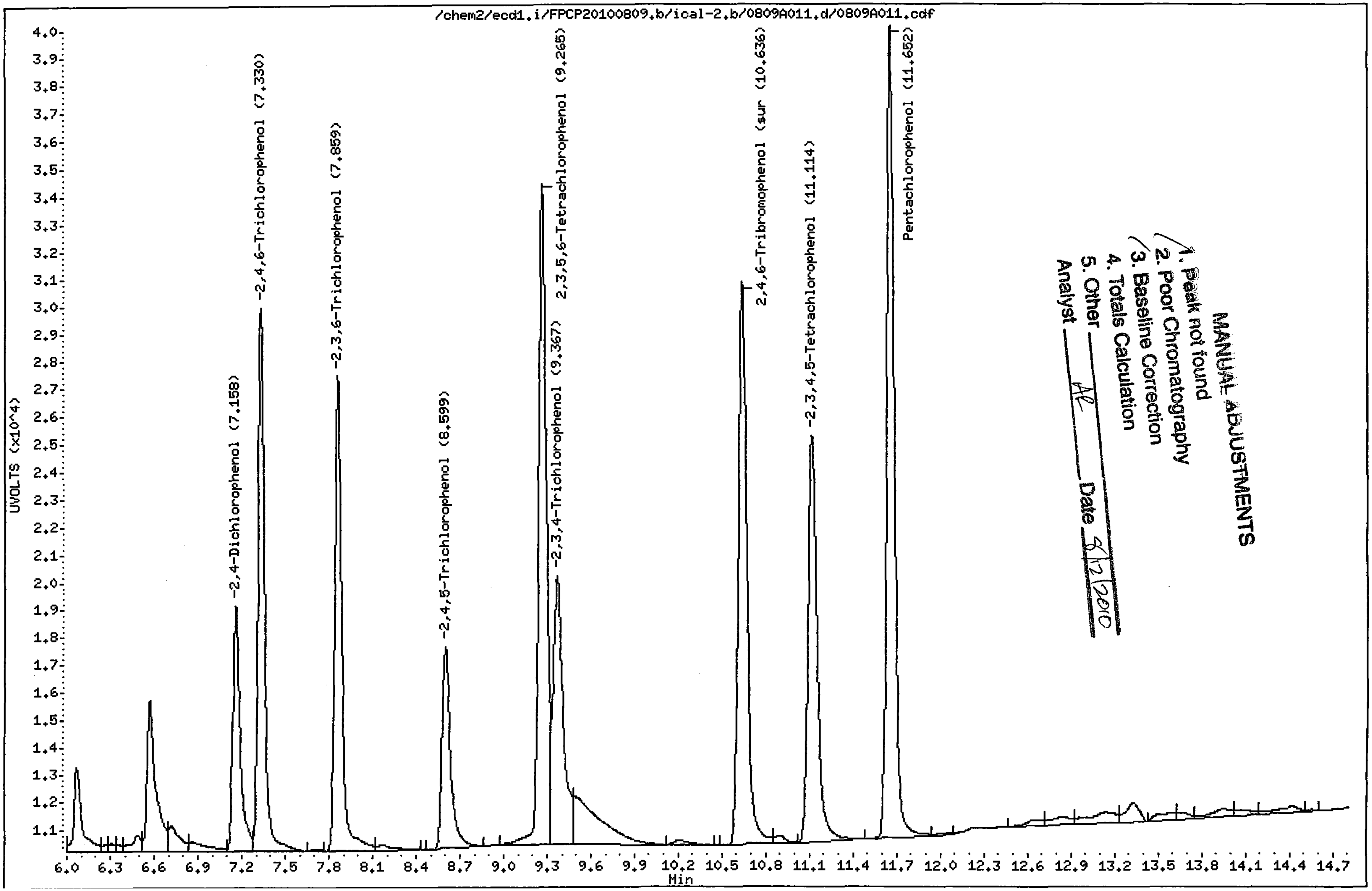
Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d
Date : 09-AUG-2010 14:23
Client ID:
Sample Info: PCP ICV
Purge Volume: 2.0
Column phase: ZB35

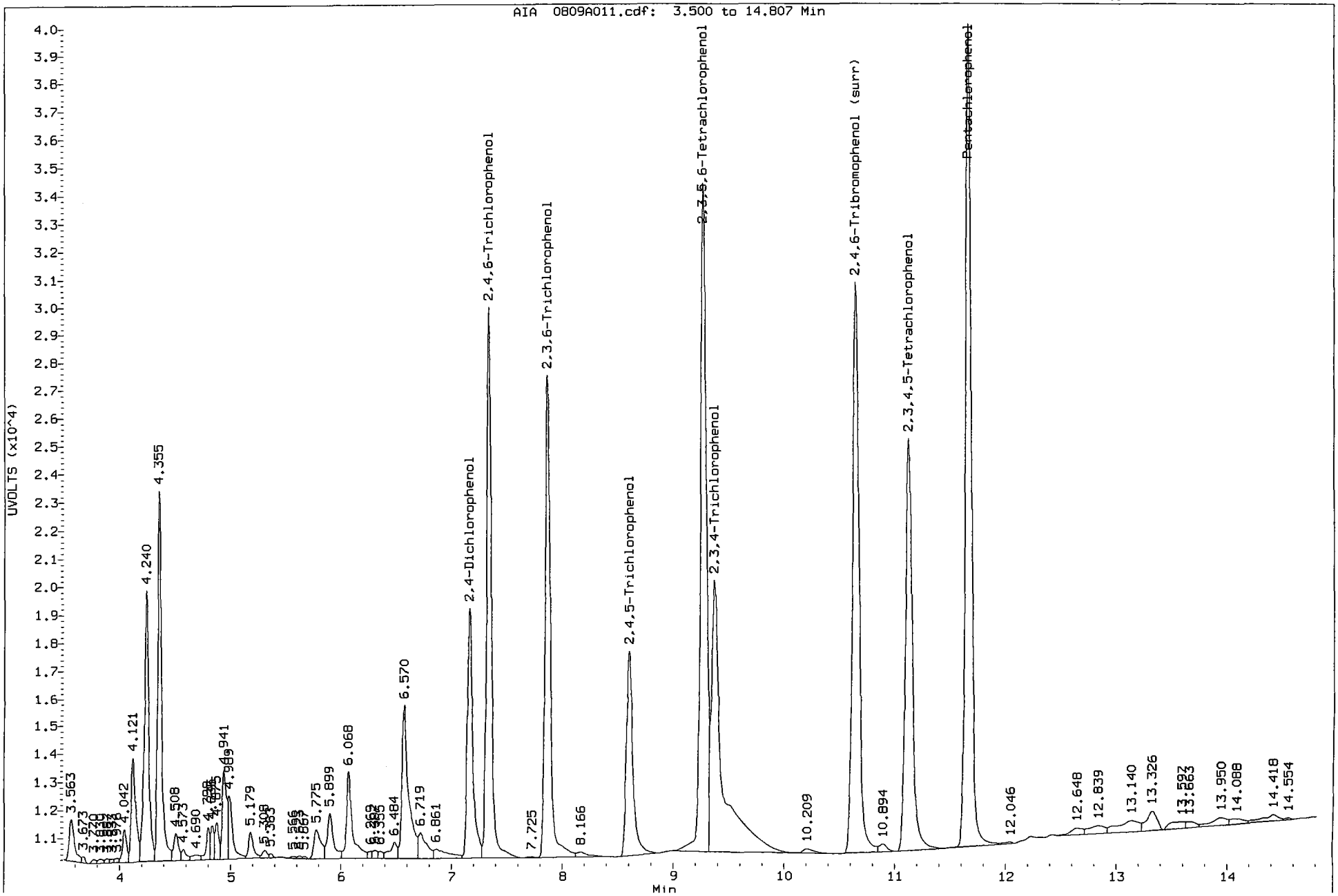
Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/ical-2.b/0809A011.d/0809A011.cdf
Injection Date: 09-AUG-2010 14:23
Instrument: ecd1.i
Client Sample ID:

Before AR 8/12/2010



PCP/Chlorophenols Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG58

Analytical Resources Inc.: Organics Instrument Log

ECD1 Serial No.: 3410A39690

Date: 8/13/2010 Analysis: Cl. Phenols Analyst: AR

GC Program: PCPFAST.M Column No: 150608/148146 Column Type: ZB 5/35

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

Calibration File: FPCP20100809.b AR 8/13 Curve Date: 8/9/2010

IS/SS	Ical/Ccal	LCS/ICV
	1663-2	1703-2
	1739-1	1731-2

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/0813-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	13-AUG-2010 09:23	0813A001.d	1	PRIMER	
2	13-AUG-2010 09:43	0813A002.d	1	PRIMER	
3	13-AUG-2010 10:03	0813A003.d	1	PRIMER	
4	13-AUG-2010 10:23	0813A004.d	1	PRIMER	
5	13-AUG-2010 10:43	0813A005.d	1	PCP CCAL	
6	13-AUG-2010 11:03	0813A006.d	1	RG58MBS1	
7	13-AUG-2010 11:23	0813A007.d	1	RG58LCSS1	
8	13-AUG-2010 11:43	0813A008.d	1	RG58A	
9	13-AUG-2010 12:03	0813A009.d	1	RG58B	
10	13-AUG-2010 12:23	0813A010.d	1	RG58C	
11	13-AUG-2010 12:43	0813A011.d	1	RG58IMSD	
12	13-AUG-2010 13:03	0813A012.d	1	RG58J	
13	13-AUG-2010 13:23	0813A013.d	1	RG58K	
14	13-AUG-2010 13:44	0813A014.d	1	RG58L	
15	13-AUG-2010 14:04	0813A015.d	1	RG58M	
16	13-AUG-2010 14:24	0813A016.d	1	RG58N	
17	13-AUG-2010 14:44	0813A017.d	1	RG58O	
18	13-AUG-2010 15:04	0813A018.d	1	RG58P	
19	13-AUG-2010 15:24	0813A019.d	1	PCP	
20	13-AUG-2010 15:44	0813A020.d	1	PCP CCAL	
21	13-AUG-2010 16:04	0813A021.d	1	RG58Q	
22	13-AUG-2010 16:24	0813A022.d	1	RG58R	
23	13-AUG-2010 16:44	0813A023.d	1	RG58S	
24	13-AUG-2010 17:04	0813A024.d	1	PCP	
25	13-AUG-2010 17:24	0813A025.d	1	PCP CCAL	
26	13-AUG-2010 17:44	0813A026.d	1	RG54MBS1	
27	13-AUG-2010 18:04	0813A027.d	1	RG54LCSS1	
28	13-AUG-2010 18:24	0813A028.d	1	RG54A	
29	13-AUG-2010 18:44	0813A029.d	1	RG54AMS	
30	13-AUG-2010 19:04	0813A030.d	1	RG54AMSD	
31	13-AUG-2010 19:24	0813A031.d	1	RG54B	
32	13-AUG-2010 19:44	0813A032.d	1	RG54C	
33	13-AUG-2010 20:04	0813A033.d	1	RG54E	
34	13-AUG-2010 20:24	0813A034.d	1	RG54F	
35	13-AUG-2010 20:44	0813A035.d	1	RG54H	
36	13-AUG-2010 21:04	0813A036.d	1	PCP	
37	13-AUG-2010 21:24	0813A037.d	1	PCP CCAL	
38	13-AUG-2010 21:44	0813A038.d	1	RG54I	
39	13-AUG-2010 22:04	0813A039.d	1	RG54J	
40	13-AUG-2010 22:24	0813A040.d	1	RG54K	
41	13-AUG-2010 22:44	0813A041.d	1	RG54L	
42	13-AUG-2010 23:04	0813A042.d	1	RG60A	
43	13-AUG-2010 23:24	0813A043.d	1	RG60B	
44	13-AUG-2010 23:44	0813A044.d	1	RG60C	
45	14-AUG-2010 00:04	0813A045.d	1	RG60D	
46	14-AUG-2010 00:24	0813A046.d	1	RG60E	
47	14-AUG-2010 00:44	0813A047.d	1	RG60F	
48	14-AUG-2010 01:04	0813A048.d	1	PCP	
49	14-AUG-2010 01:24	0813A049.d	1	PCP CCAL	
50	14-AUG-2010 01:44	0813A050.d	1	RG51A	
51	14-AUG-2010 02:04	0813A051.d	1	RG51G	
52	14-AUG-2010 02:24	0813A052.d	1	PCP	
53	14-AUG-2010 02:44	0813A053.d	1	PCP CCAL	

Maintenance / Comments

AR 8/20/2010

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, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: Floyd-Snider

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HClD) (**412S**(PCP)) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): _____

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 (ECD-1) ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 8/9/2010 Analysis Start: 8/13/2010

Endrin/DDT Breakdown <15%? YES / NO / (NA) Method Blank In Control? YES / NO (NA)

ICal Meets RF & %RSD Criteria? (YES) / NO LCS/LCSD Recovery In Control? YES / NO (NA)

CCal Meets RF & %RSD Criteria? (YES) / NO Surrogate Recovery In Control? (YES) / NO

Manual Integrations for ICal? (YES) / NO Manual Integrations for Samples? YES / (NO)

Internal Standard Meets Criteria? YES / NO / (NA) Special Analysis Criteria Met? (YES) / NO / NA

VDF

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

Additional Details on Reverse: Yes / (No)

Analyst: _____ **Date:** 8/20/2010

Reviewer: _____ **Date:** 8/23/10

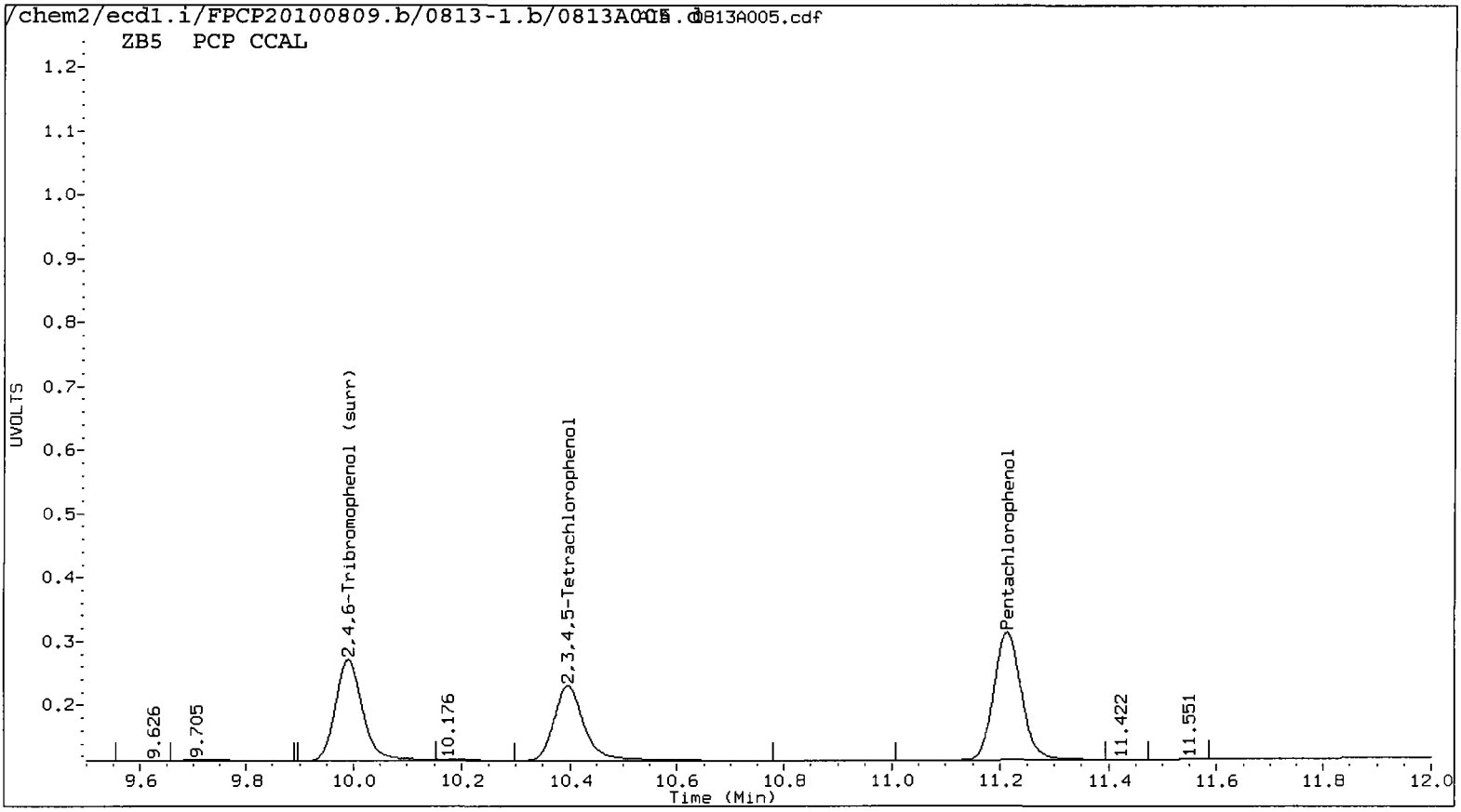
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

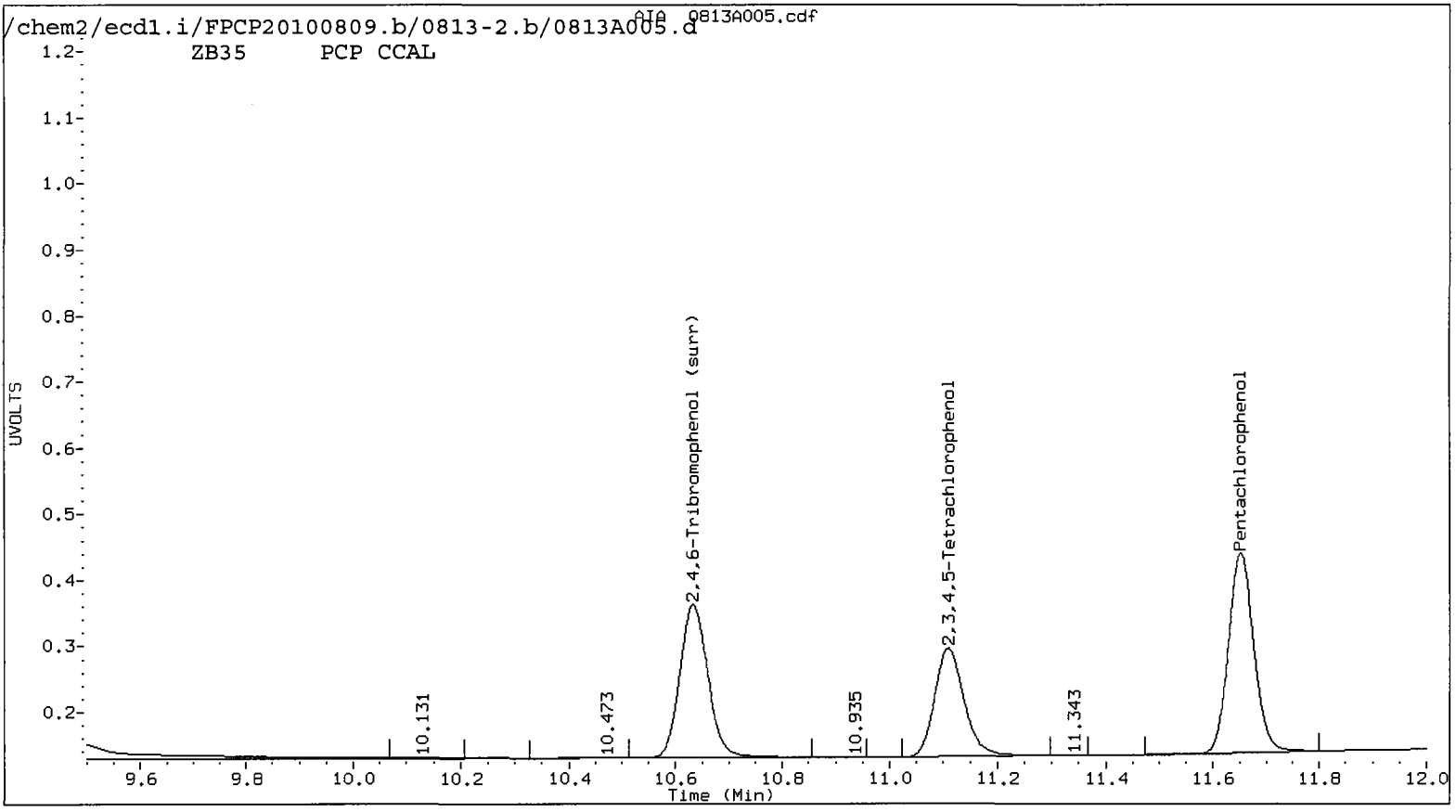
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A005.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A005.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 10:43
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.213	-0.006	349192	11.651	-0.007	499070	22.2424	21.7352	2.3	Pentachlorophenol
7.264	0.000	203421	7.332	-0.001	309687	23.9783	24.8056	3.4	2,4,6-Trichlorophenol
7.617	-0.002	194167	7.861	-0.003	293006	21.7585	23.6133	8.2	2,3,6-Trichlorophenol
8.219	-0.023	116226	8.592	-0.023	151309	23.0265	24.1161	4.6	2,4,5-Trichlorophenol
8.768	-0.024	155794	9.358	-0.022	204370	22.7733	24.0521	5.5	2,3,4-Trichlorophenol
8.996	-0.011	326890	9.263	-0.014	441040	23.1745	23.8209	2.8	2,3,5,6-Tetrachlorophenol
10.396	-0.017	234077	11.110	-0.016	313398	22.3264	21.4793	3.9	2,3,4,5-Tetrachlorophenol
6.889	-0.004	108523	7.159	-0.007	147679	216.0624	236.9638	9.2	2,4-Dichlorophenol
9.990	-0.012	279433	10.633	-0.013	425064	22.4	22.8	1.7	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	89.0	86.9
2,4,6-Trichlorophenol	95.9	99.2
2,3,6-Trichlorophenol	87.0	94.5
2,4,5-Trichlorophenol	92.1	96.5
2,3,4-Trichlorophenol	91.1	96.2
2,3,5,6-Tetrachlorophenol	92.7	95.3
2,3,4,5-Tetrachlorophenol	89.3	85.9
2,4-Dichlorophenol	86.4	94.8
2,4,6-TBP (surr)	89.6	91.1


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A005.d
0813A005.cdf
ZB5 PCP CCAL
UVOLTS
Time (Min)
9.626
9.705
2,4,6-Tribromophenol (surr)
10.176
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
11.422
11.551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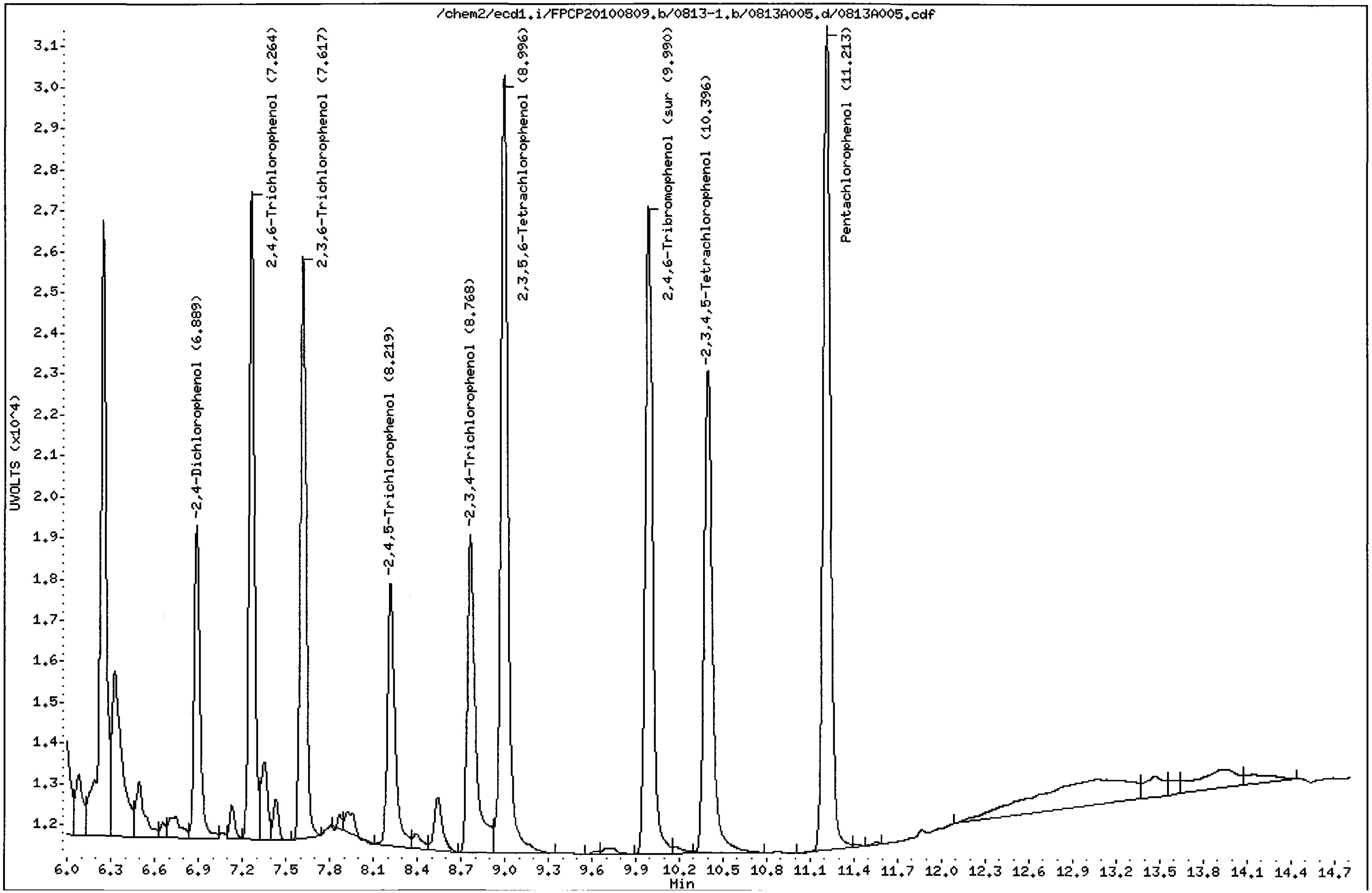
0813A005.cdf
ZB35 PCP CCAL
UVOLTS
Time (Min)
10.131
10.473
2,4,6-Tribromophenol (surr)
10.935
2,3,4,5-Tetrachlorophenol
11.343
Pentachlorophenol

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A005.d
Date : 13-AUG-2010 10:43
Client ID:
Sample Info: PCP CCAL
Purge Volume: 2.0
Column phase: ZB5

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



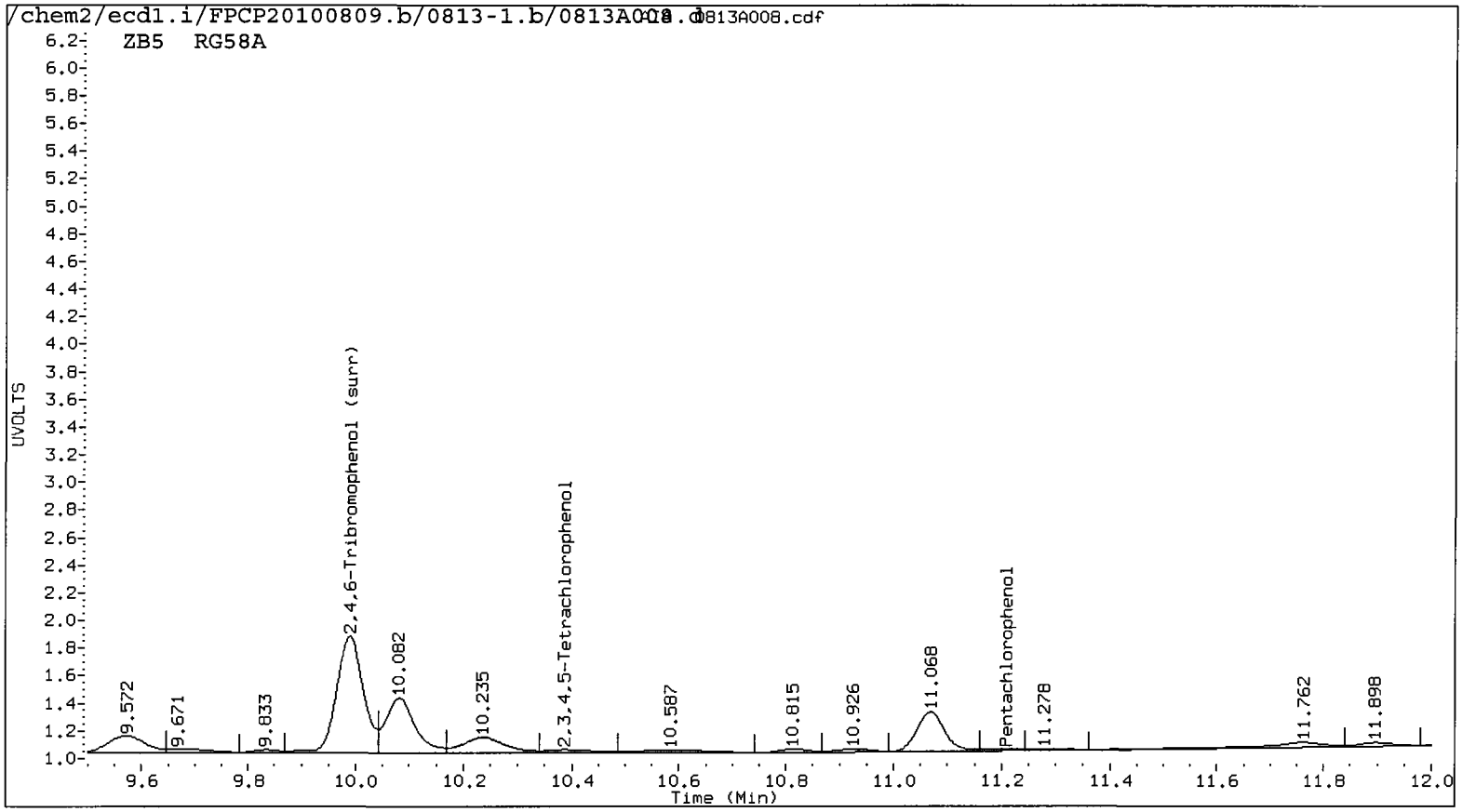
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report AR 8/20/2010

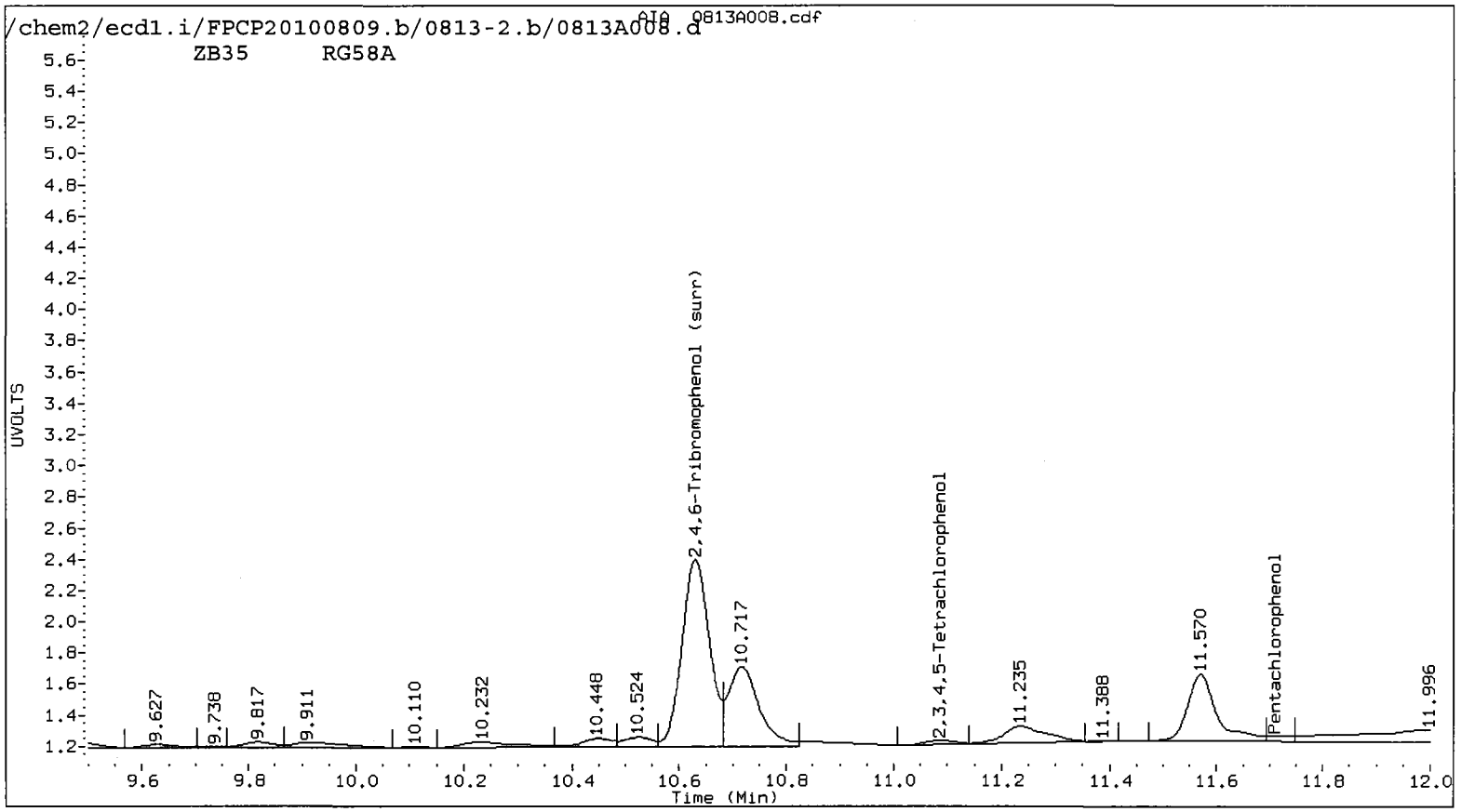
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A008.d ARI ID: RG58A
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A008.d Client ID: PSB22-0-0.5-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 11:43
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.210	-0.009	2957	11.711	0.053	5471	0.1640	0.2383	36.9	Pentachlorophenol
7.269	0.005	32312	7.334	0.001	28055	3.4180	2.2472	41.3*	2,4,6-Trichlorophenol
----			7.827	-0.037	4636	0.0000	0.3737	---	2,3,6-Trichlorophenol
8.261	0.019	4502	8.682	0.067	4347	0.8921	0.6071	38.0	2,4,5-Trichlorophenol
----			9.408	0.028	1385	0.0000	0.1432	---	2,3,4-Trichlorophenol
9.025	0.018	16278	9.284	0.007	7607	1.1541	0.4109	95.0*	2,3,5,6-Tetrachlorophenol
10.386	-0.027	7187	11.085	-0.041	5047	0.5739	0.3460	49.6*	2,3,4,5-Tetrachlorophenol
6.911	0.018	7298	7.109	-0.057	6809	11.5288	9.1153	23.4	2,4-Dichlorophenol
9.990	-0.012	146982	10.630	-0.016	214212	11.2	11.5	2.3	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	44.9	45.9


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A008.d
0813A008.cdf
ZB5 RG58A
UVOLTS
Time (Min)
9.572
9.671
9.833
2,4,6-Tribromophenol (surr)
10.082
10.235
2,3,4,5-Tetrachlorophenol
10.587
10.815
10.926
11.068
Pentachlorophenol
11.278
11.762
11.898


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A008.d
0813A008.cdf
ZB35 RG58A
UVOLTS
Time (Min)
9.627
9.738
9.817
9.911
10.110
10.232
10.448
10.524
2,4,6-Tribromophenol (surr)
10.717
2,3,4,5-Tetrachlorophenol
11.235
11.388
11.570
Pentachlorophenol
11.996

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A008.d

Date : 13-AUG-2010 11:43

Client ID: PSB22-0-0.5-072910

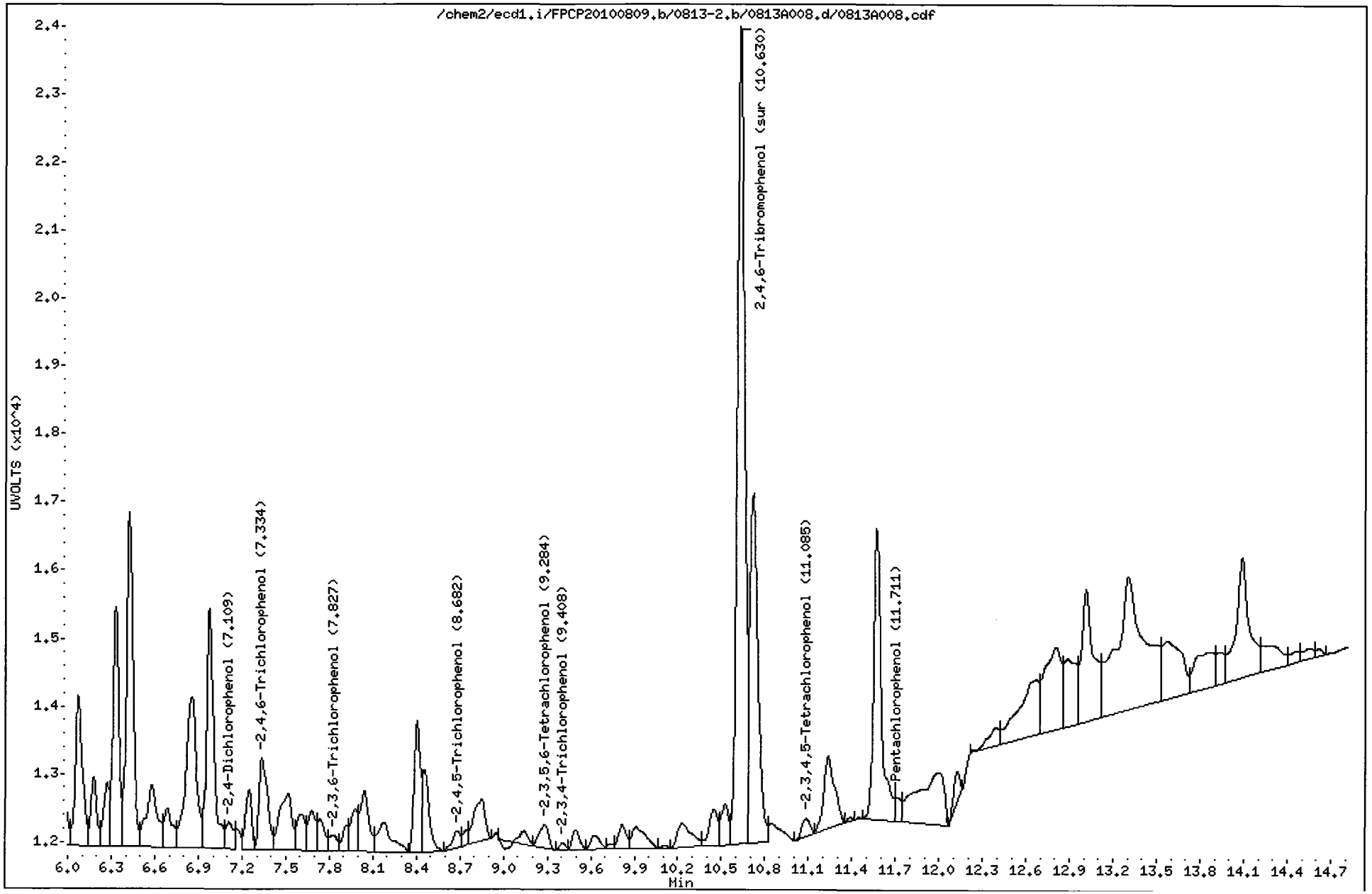
Sample Info: RG58A

Column phase: ZB35

Instrument: ecd1.i

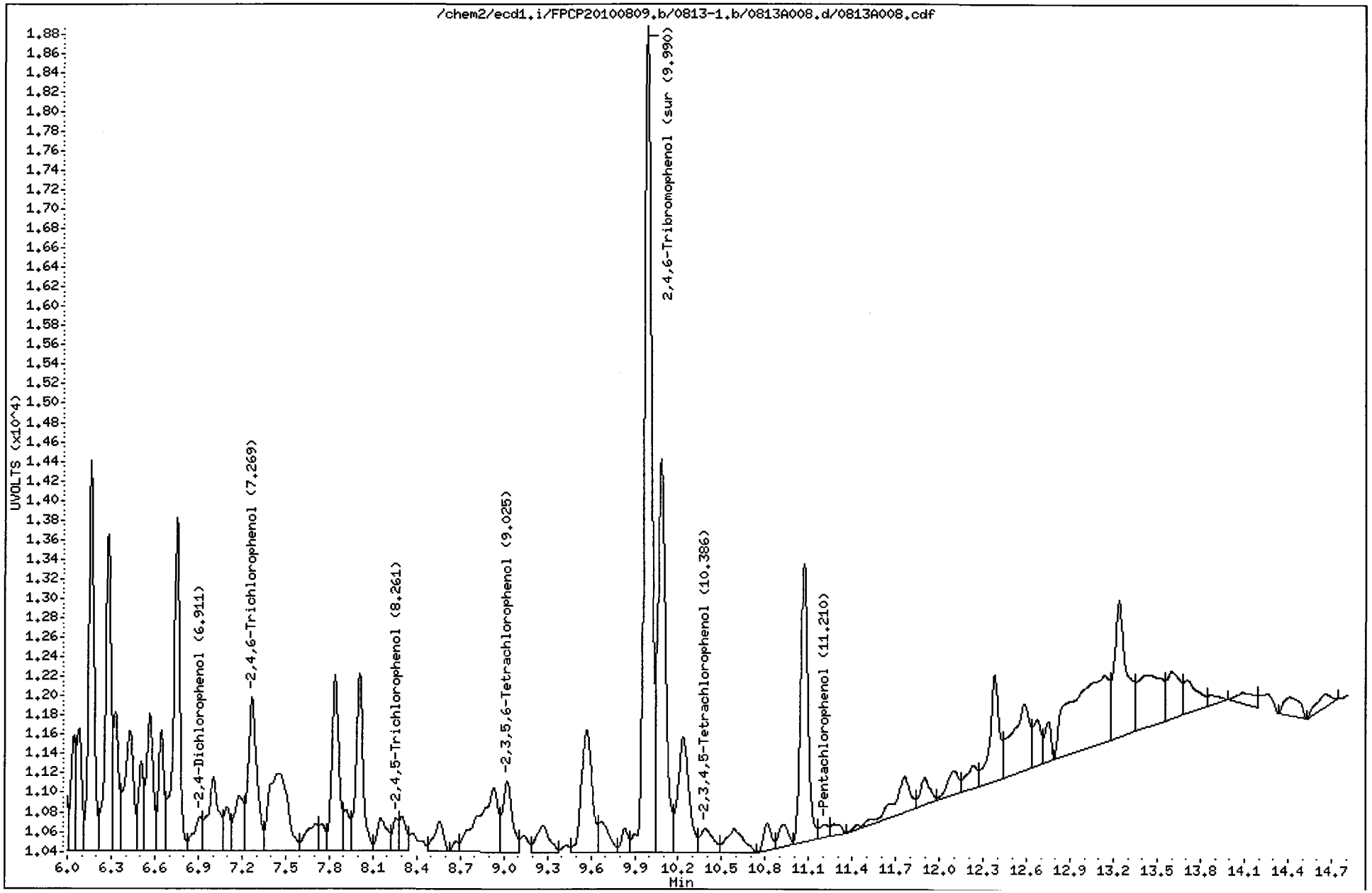
Operator: ar

Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A008.d
Date : 13-AUG-2010 11:43
Client ID: PSB22-0-0.5-072910
Sample Info: RG58A

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 00924

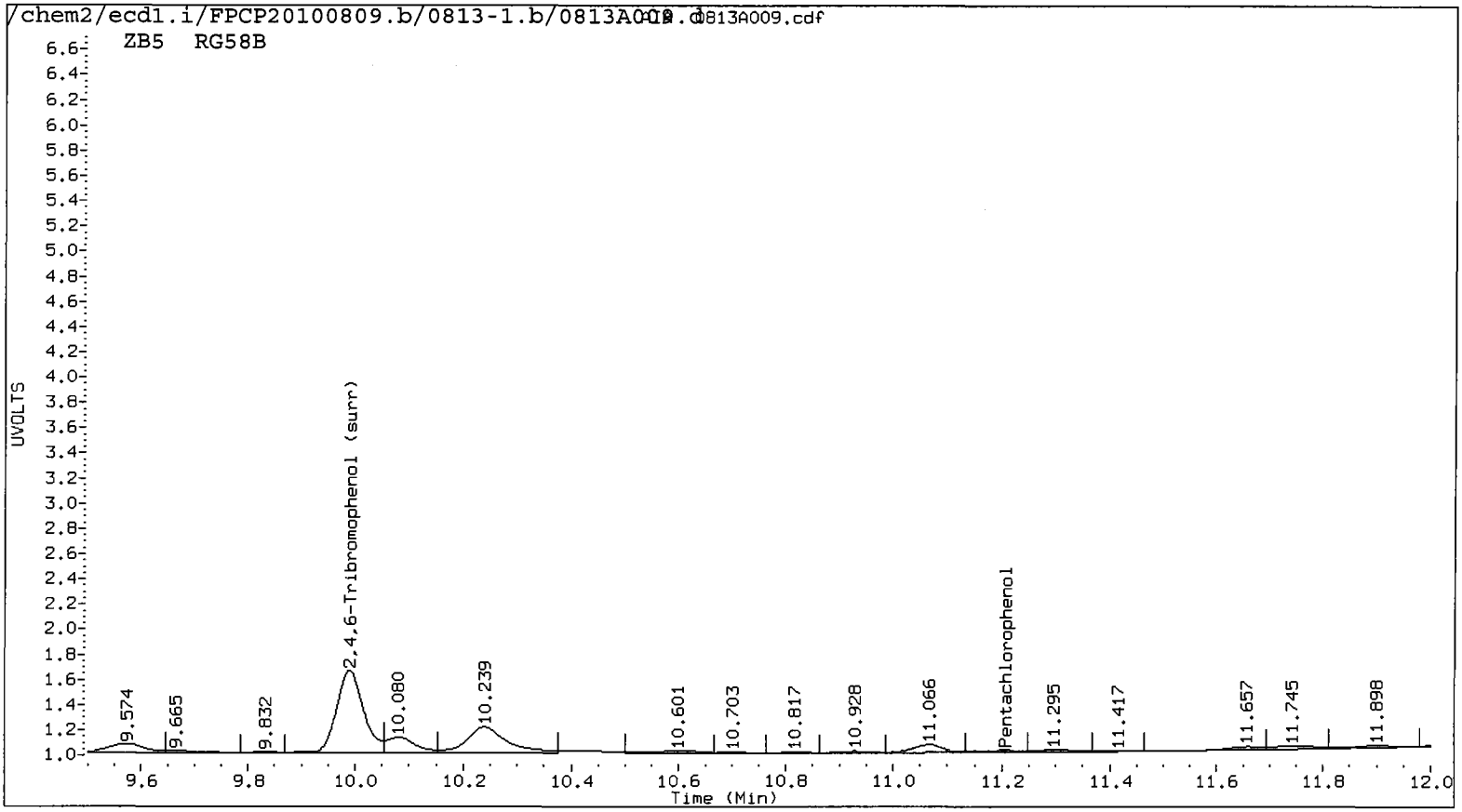
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

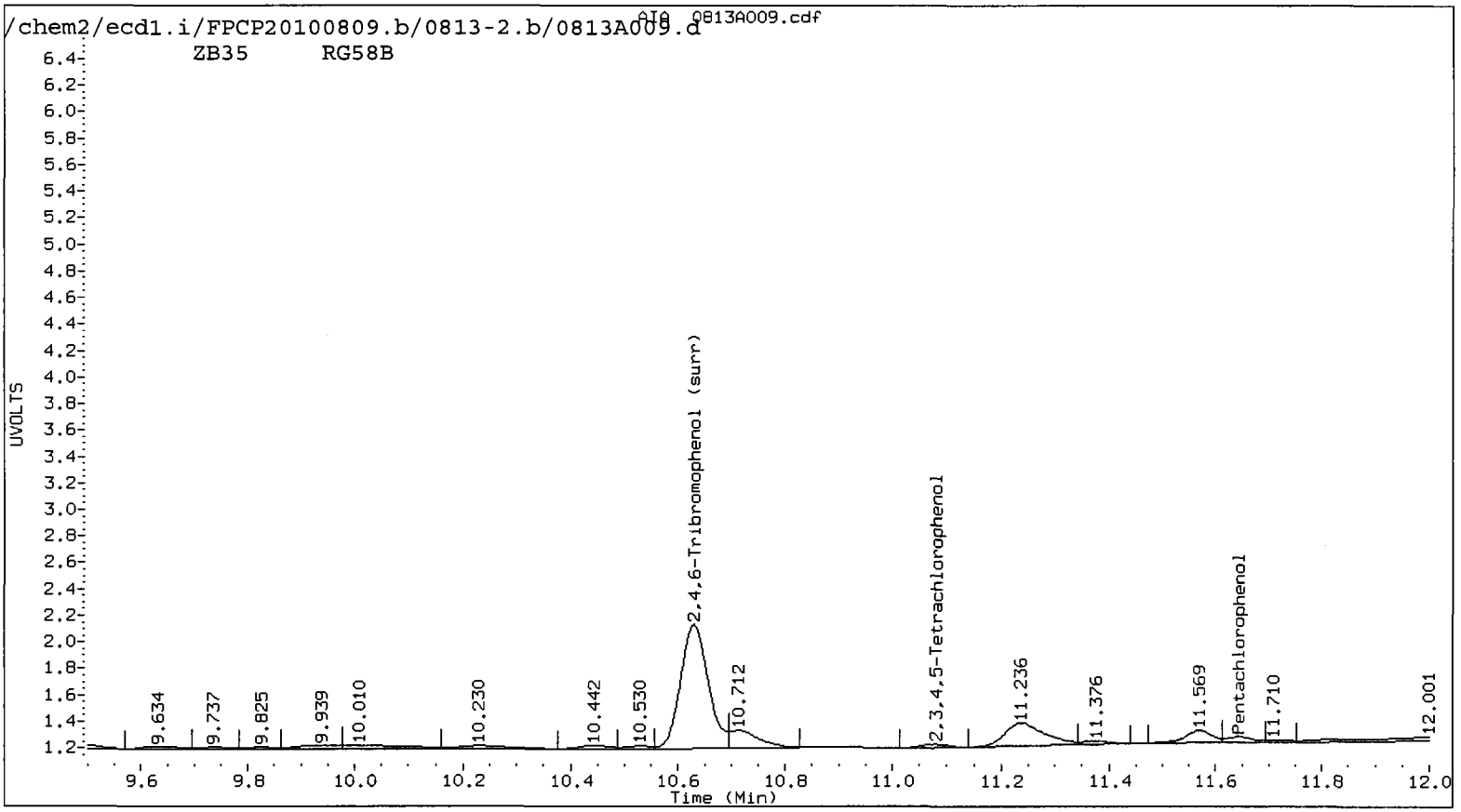
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A009.d ARI ID: RG58B
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A009.d Client ID: PSB22-1.5-2-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 12:03
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.205	-0.014	4061	11.643	-0.015	7454	0.2254	0.3246	36.1	Pentachlorophenol
7.274	0.010	26212	7.359	0.026	27434	2.7615	2.1975	22.7	2,4,6-Trichlorophenol
----			7.827	-0.037	6369	0.0000	0.5133	---	2,3,6-Trichlorophenol
8.264	0.022	3274	8.680	0.065	3375	0.6487	0.4710	31.7	2,4,5-Trichlorophenol
8.821	0.029	14418	9.403	0.023	863	2.1077	0.0891	183.8*	2,3,4-Trichlorophenol
9.022	0.015	8196	9.259	-0.018	7703	0.5811	0.4160	33.1	2,3,5,6-Tetrachlorophenol
----			11.079	-0.047	5115	0.0000	0.3506	---	2,3,4,5-Tetrachlorophenol
----			7.161	-0.005	6961	0.0000	9.3207	---	2,4-Dichlorophenol
9.990	-0.012	115972	10.629	-0.017	170008	8.7	9.1	4.0	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	35.0	36.4


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A009.d
0813A009.cdf
ZB5 RG58B
UVOLTS
9.574
9.665
9.832
2.4,6-Tribromophenol (surr)
10.080
10.239
10.601
10.703
10.817
10.928
11.066
Pentachlorophenol
11.295
11.417
11.657
11.745
11.898
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A009.d
0813A009.cdf
ZB35 RG58B
UVOLTS
9.634
9.737
9.825
9.939
10.010
10.230
10.442
10.530
2,4,6-Tribromophenol (surr)
10.712
2,3,4,5-Tetrachlorophenol
11.236
11.376
11.569
Pentachlorophenol
11.710
12.001
Time (Min)

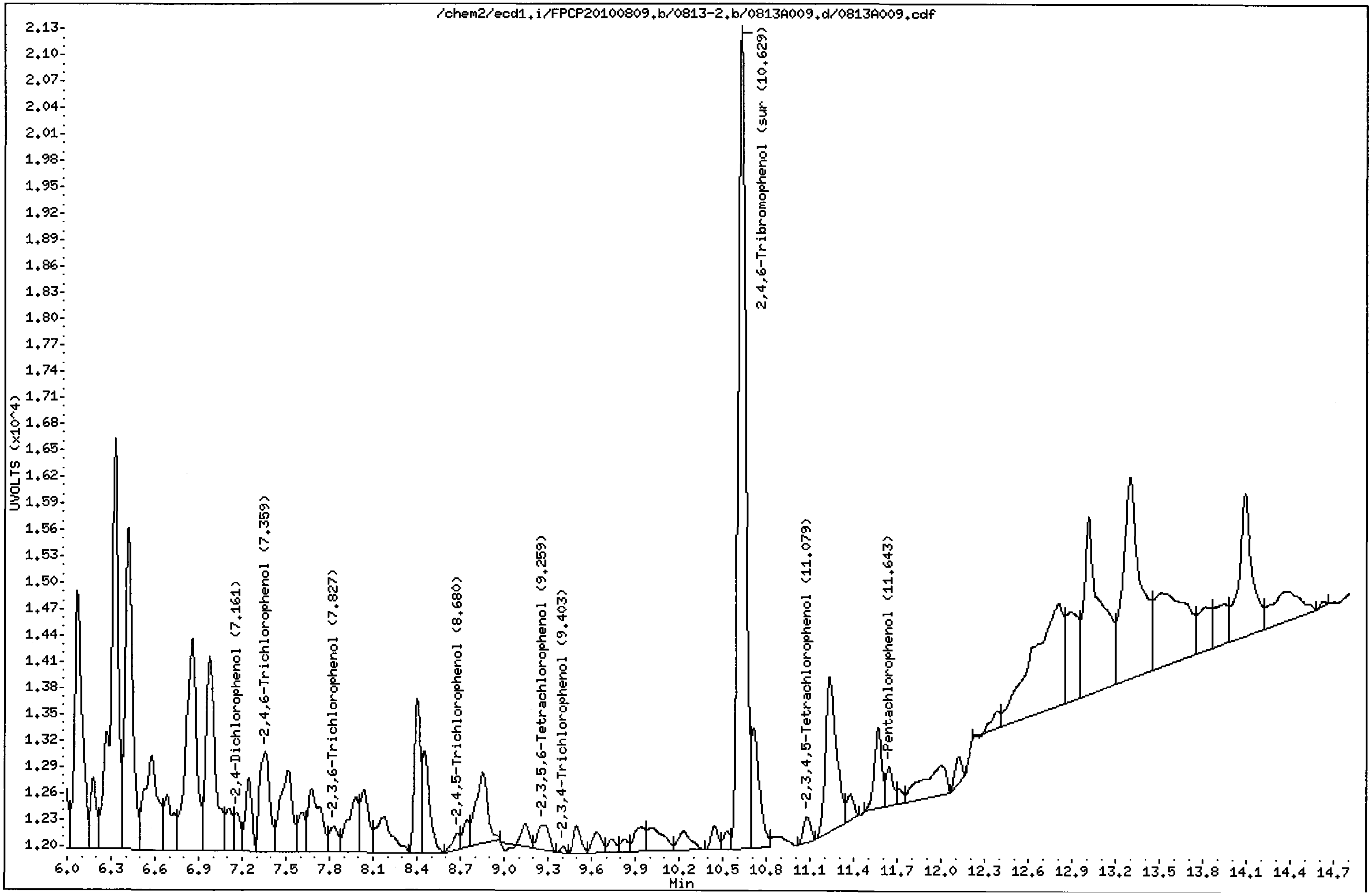
Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A009.d
Date : 13-AUG-2010 12:03
Client ID: PSB22-1.5-2-072910
Sample Info: RG58B

Instrument: ecd1.i

Operator: ar

Column phase: ZB35

Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A009.d

Page 1

Date : 13-AUG-2010 12:03

Client ID: PSB22-1.5-2-072910

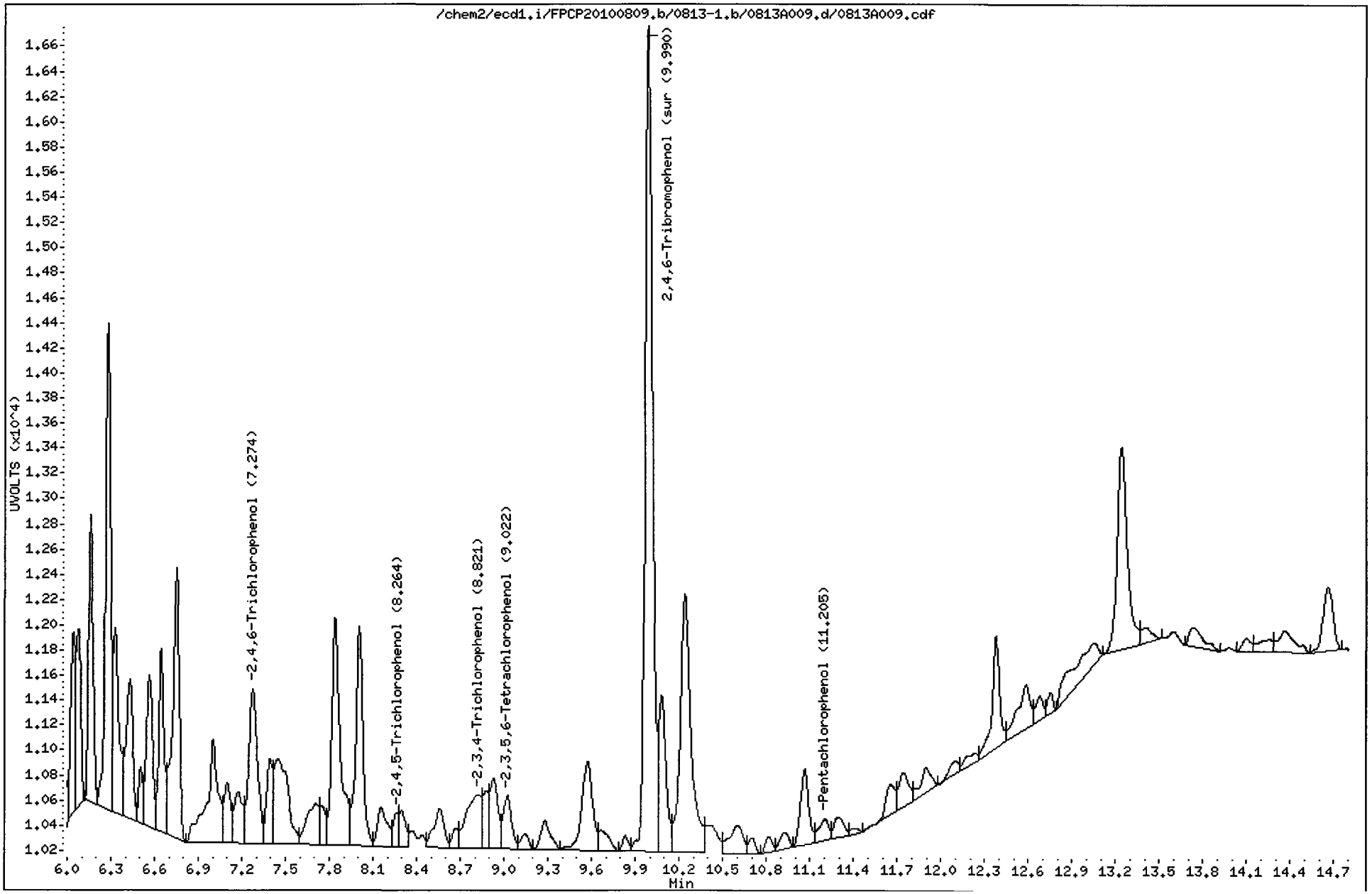
Instrument: ecd1.i

Sample Info: RG58B

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58:009328

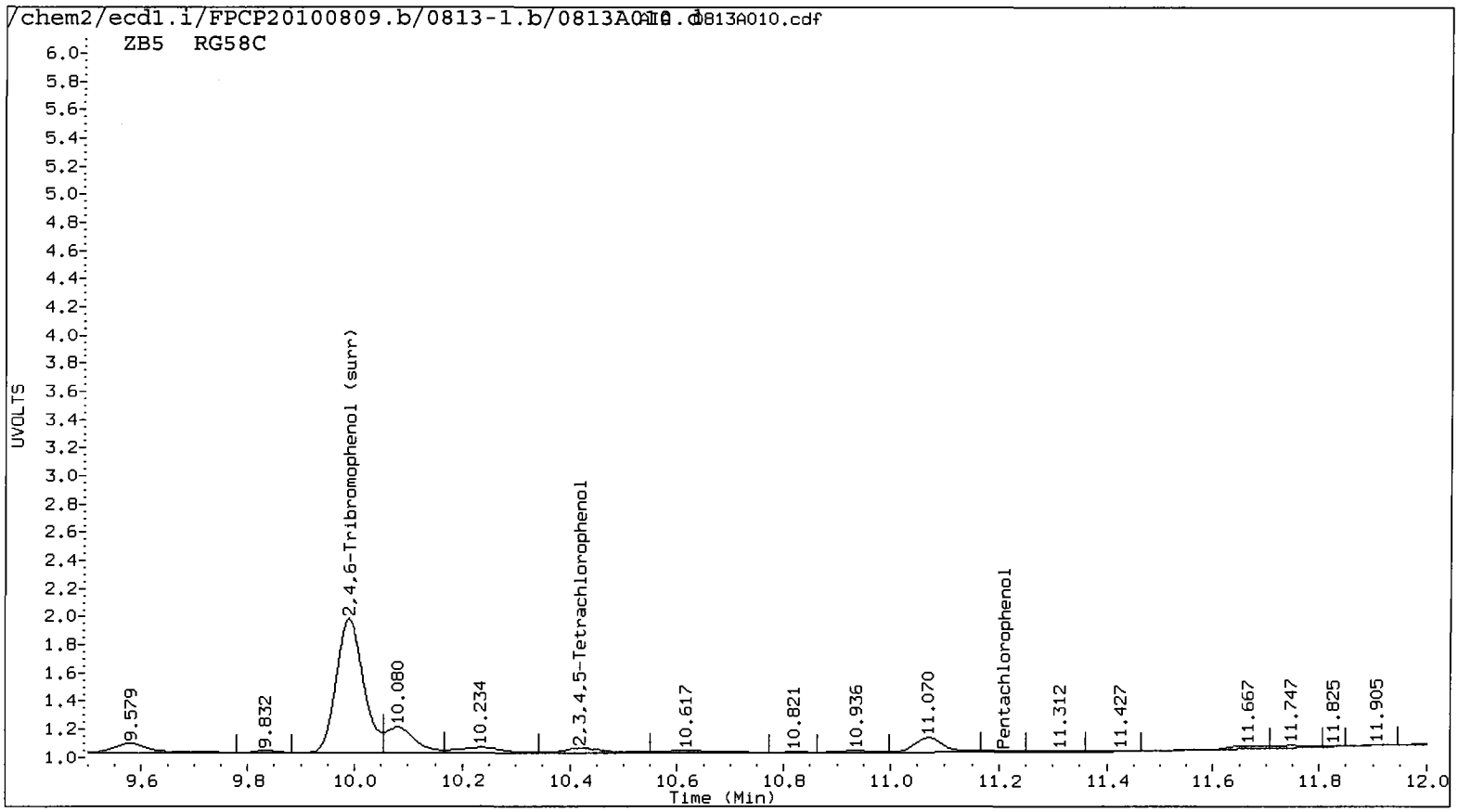
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

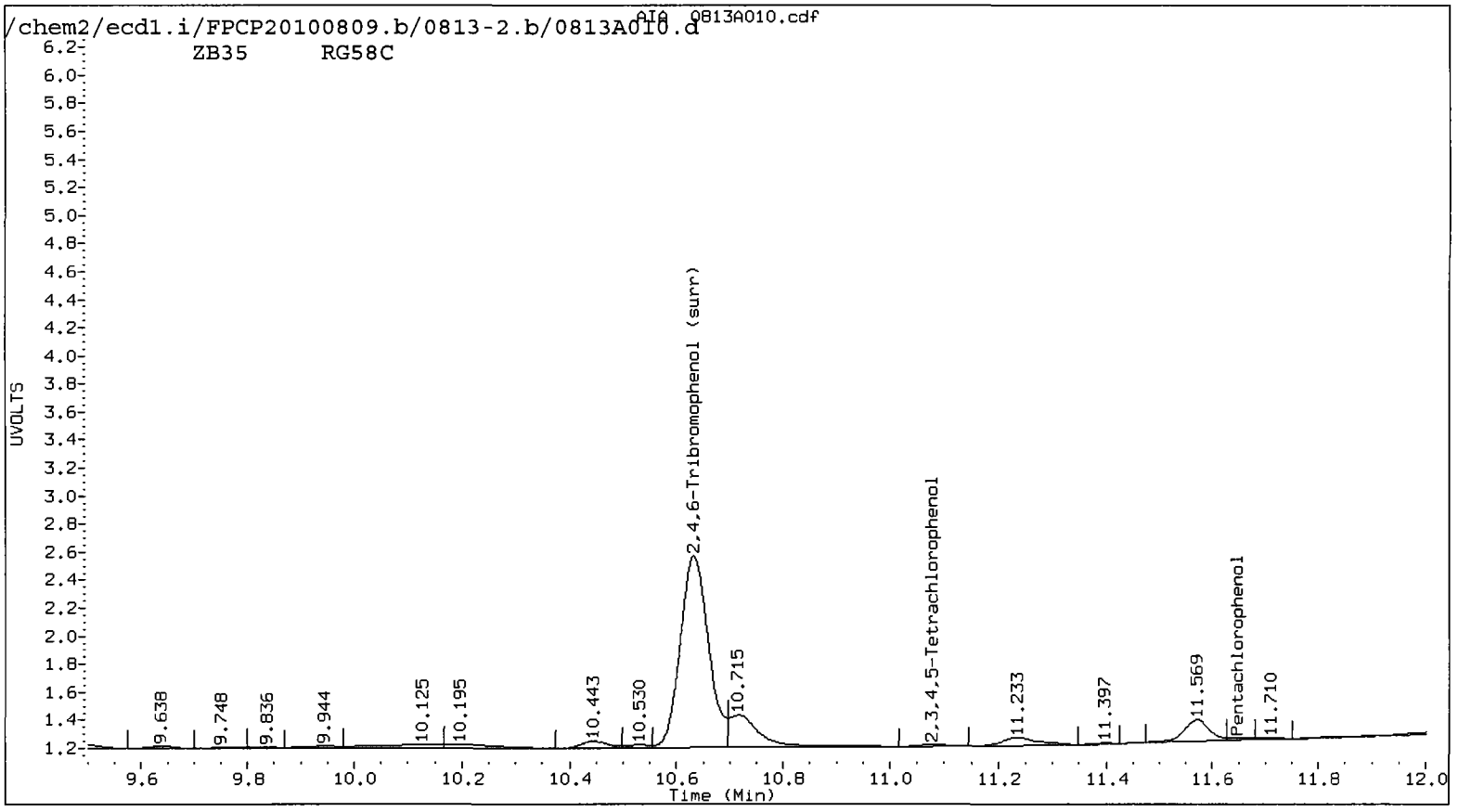
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A010.d ARI ID: RG58C
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A010.d Client ID: PSB22-2-4-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 12:23
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.211	-0.008	1667	11.647	-0.011	2236	0.0924	0.0974	5.2	Pentachlorophenol
7.274	0.010	29437	7.363	0.030	24159	3.1079	1.9351	46.5*	2,4,6-Trichlorophenol
----			7.827	-0.037	6010	0.0000	0.4844	---	2,3,6-Trichlorophenol
8.299	0.057	7311	----			1.4485	0.0000	---	2,4,5-Trichlorophenol
----			9.404	0.024	1501	0.0000	0.1551	---	2,3,4-Trichlorophenol
9.015	0.008	13921	9.256	-0.021	12849	0.9870	0.6940	34.9	2,3,5,6-Tetrachlorophenol
10.418	0.005	9701	11.078	-0.048	2252	0.7763	0.1544	133.6*	2,3,4,5-Tetrachlorophenol
6.856	-0.037	1295	7.112	-0.054	15775	2.0142	21.3855	165.6*	2,4-Dichlorophenol
9.990	-0.012	168206	10.631	-0.015	252738	12.9	13.5	4.5	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

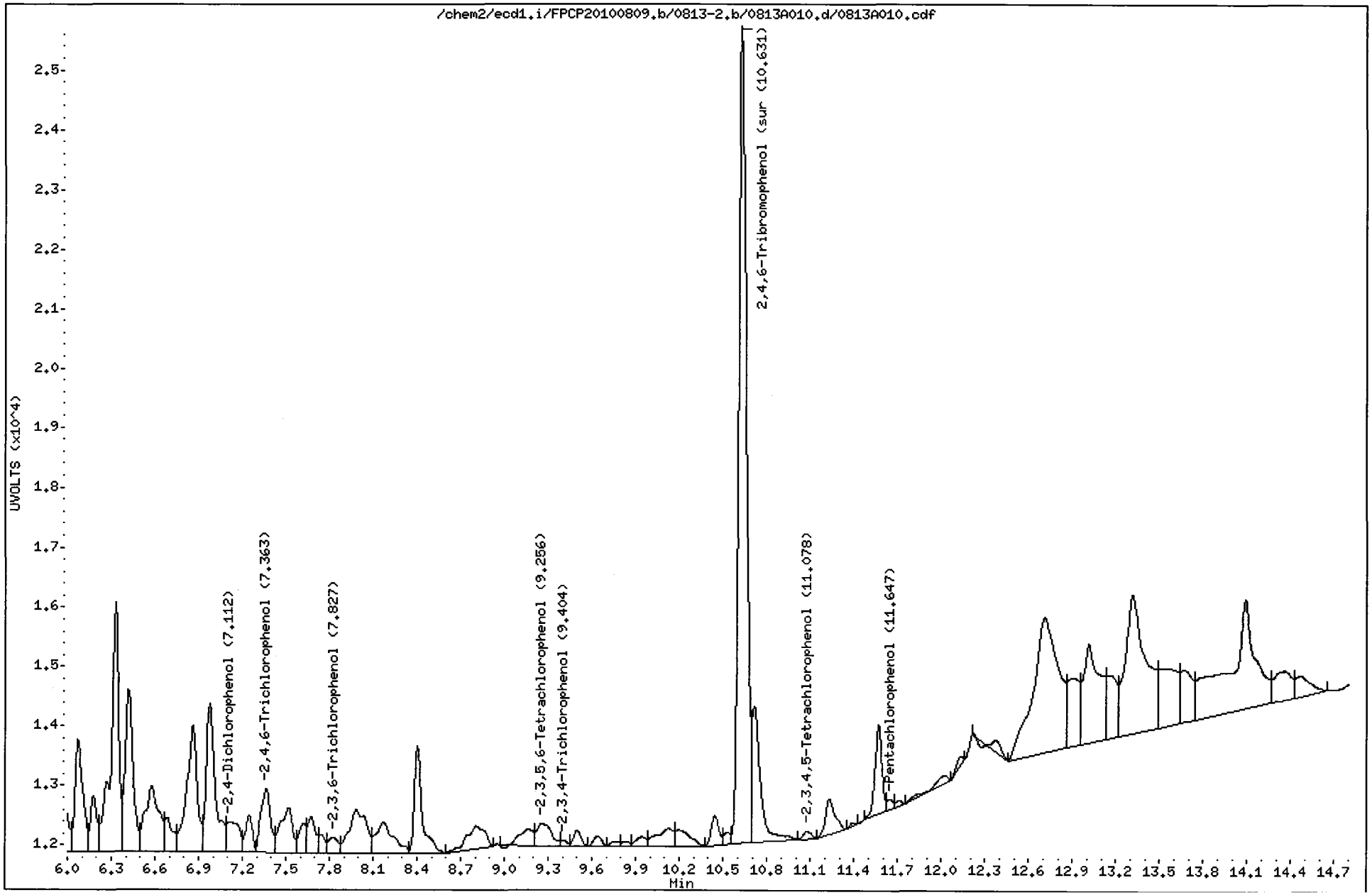
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	51.8	54.2


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A010.d
AIA 0813A010.cdf
ZB5 RG58C
UVOLTS
Time (Min)
9.579
9.832
2,4,6-Tribromophenol (surr)
10.080
10.234
2,3,4,5-Tetrachlorophenol
10.617
10.821
10.936
11.070
Pentachlorophenol
11.312
11.427
11.667
11.747
11.825
11.905


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A010.d
AIA 0813A010.cdf
ZB35 RG58C
UVOLTS
Time (Min)
9.638
9.748
9.836
9.944
10.125
10.195
10.443
10.530
2,4,6-Tribromophenol (surr)
10.715
2,3,4,5-Tetrachlorophenol
11.233
11.397
11.569
Pentachlorophenol
11.710

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A010.d
Date : 13-AUG-2010 12:23
Client ID: PSB22-2-4-072910
Sample Info: RG58C

Instrument: ecd1.i
Operator: ar
Column phase: ZB35
Column diameter: 0.53



RG58 : 09321

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A010.d

Page 1

Date : 13-AUG-2010 12:23

Client ID: PSB22-2-4-072910

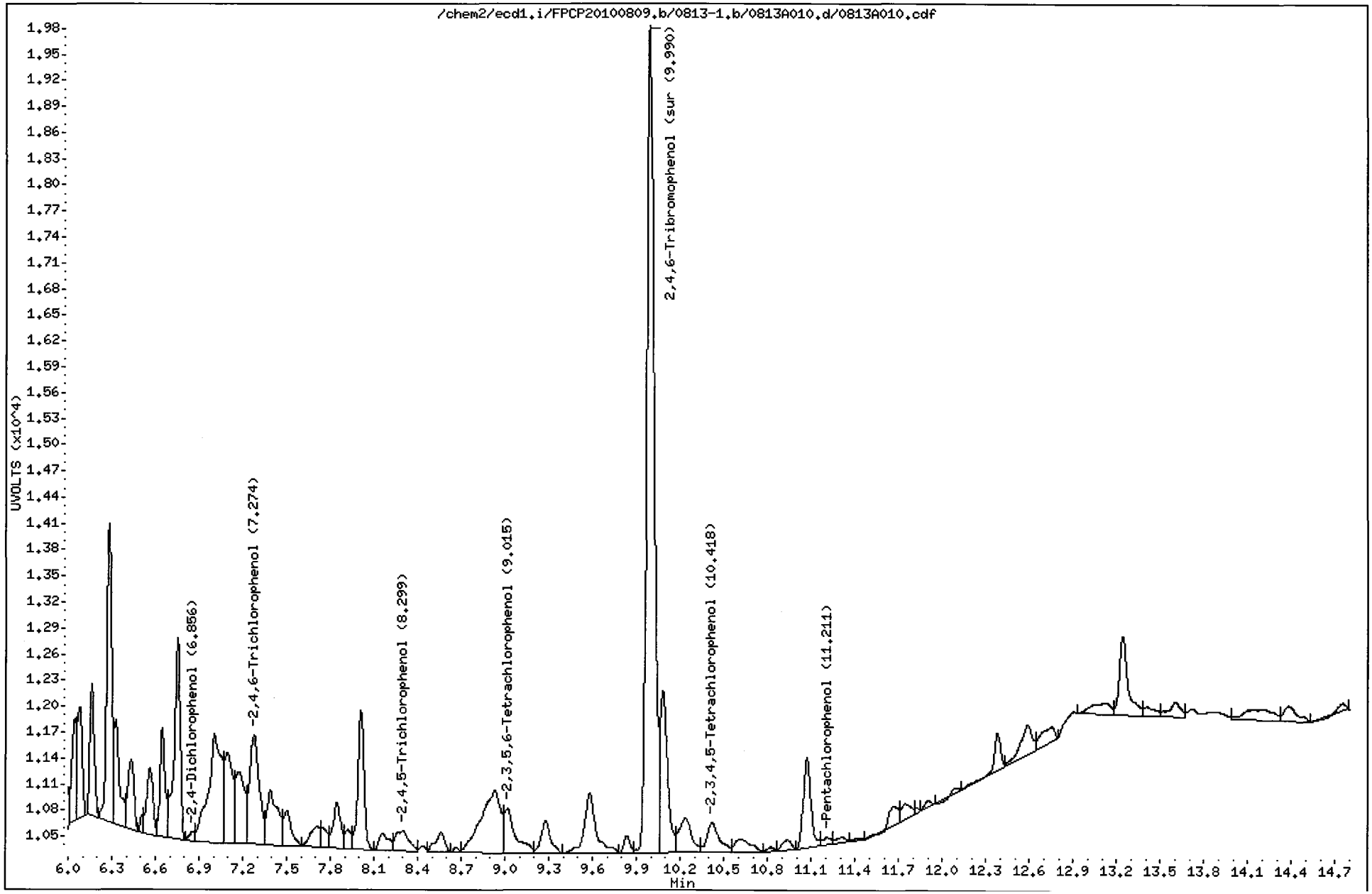
Instrument: ecd1.i

Sample Info: RG58C

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 009032

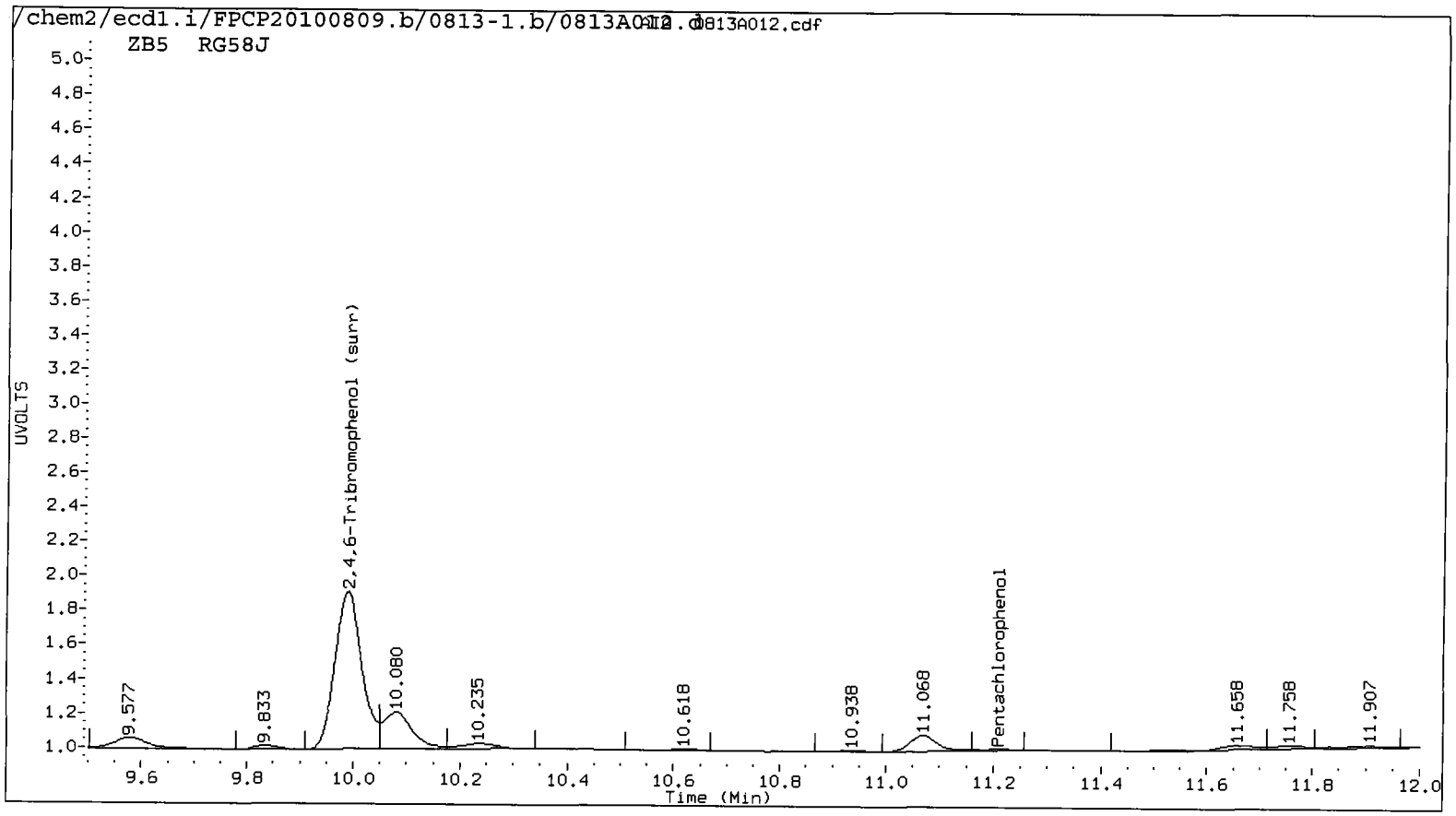
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

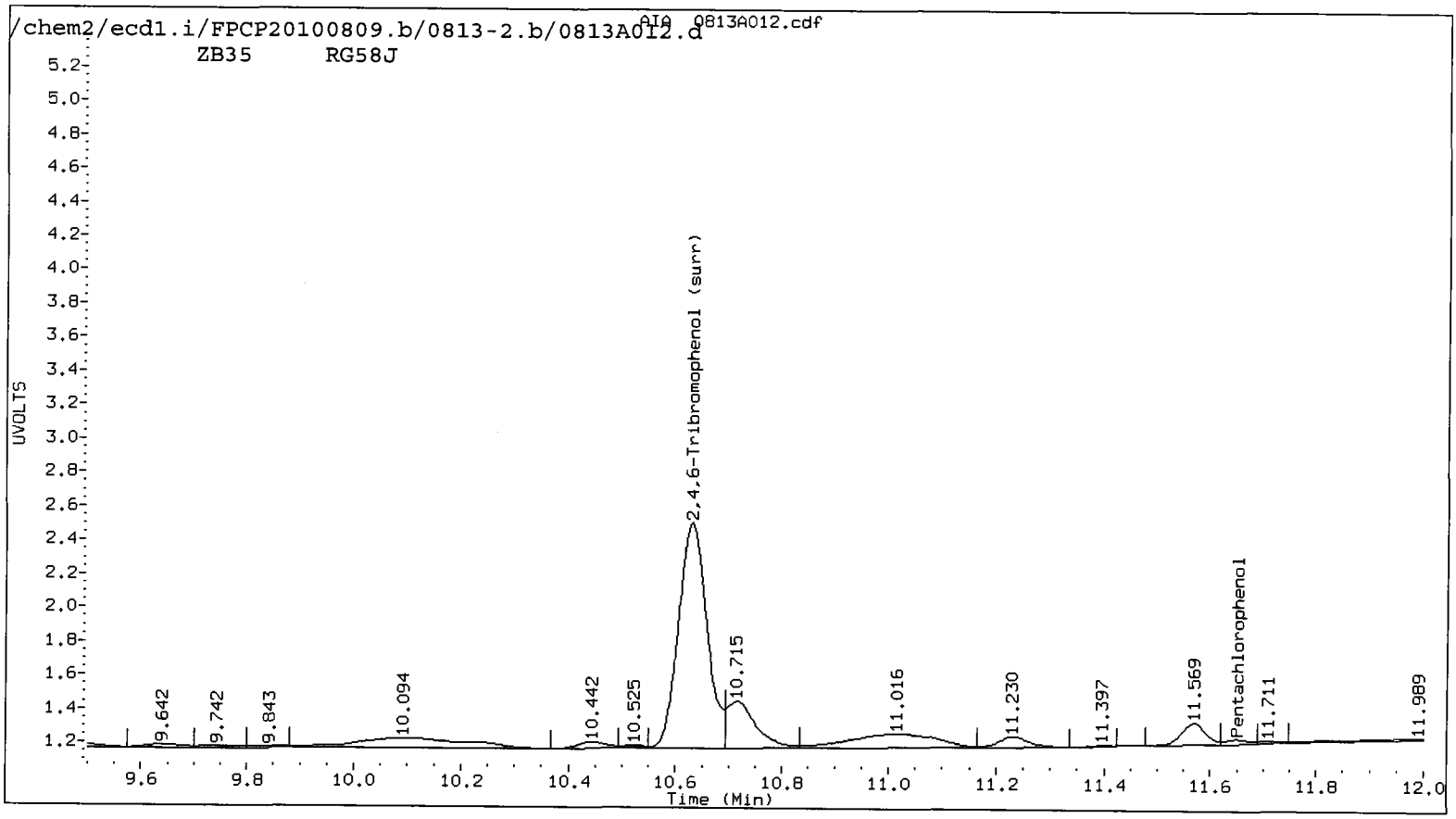
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A012.d ARI ID: RG58J
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A012.d Client ID: PSB23-4-6-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 13:03
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.209	-0.010	1598	11.649	-0.009	4030	0.0886	0.1755	65.8*	Pentachlorophenol
7.275	0.011	17382	7.363	0.030	19594	1.8204	1.5695	14.8	2,4,6-Trichlorophenol
----			7.830	-0.034	5069	0.0000	0.4086	---	2,3,6-Trichlorophenol
8.299	0.057	5074	----			1.0053	0.0000	---	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.014	0.007	8233	9.264	-0.013	4725	0.5837	0.2552	78.3*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
6.924	0.031	28347	7.153	-0.013	7111	47.2037	9.5242	132.8*	2,4-Dichlorophenol
9.989	-0.013	160925	10.630	-0.016	244735	12.3	13.1	6.0	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	49.4	52.4


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A012.d
AIA 0813A012.cdf
ZB5 RG58J
UVOLTS
Time (Min)
9.577
9.833
2,4,6-Tribromophenol (surr)
10.080
10.235
10.618
10.938
11.068
Pentachlorophenol
11.658
11.758
11.907


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A012.d
AIA 0813A012.cdf
ZB35 RG58J
UVOLTS
Time (Min)
9.642
9.742
9.843
10.094
10.442
10.525
2,4,6-Tribromophenol (surr)
10.715
11.016
11.230
11.397
11.569
Pentachlorophenol
11.711
11.989

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A012.d

Date : 13-AUG-2010 13:03

Client ID: PSB23-4-6-072910

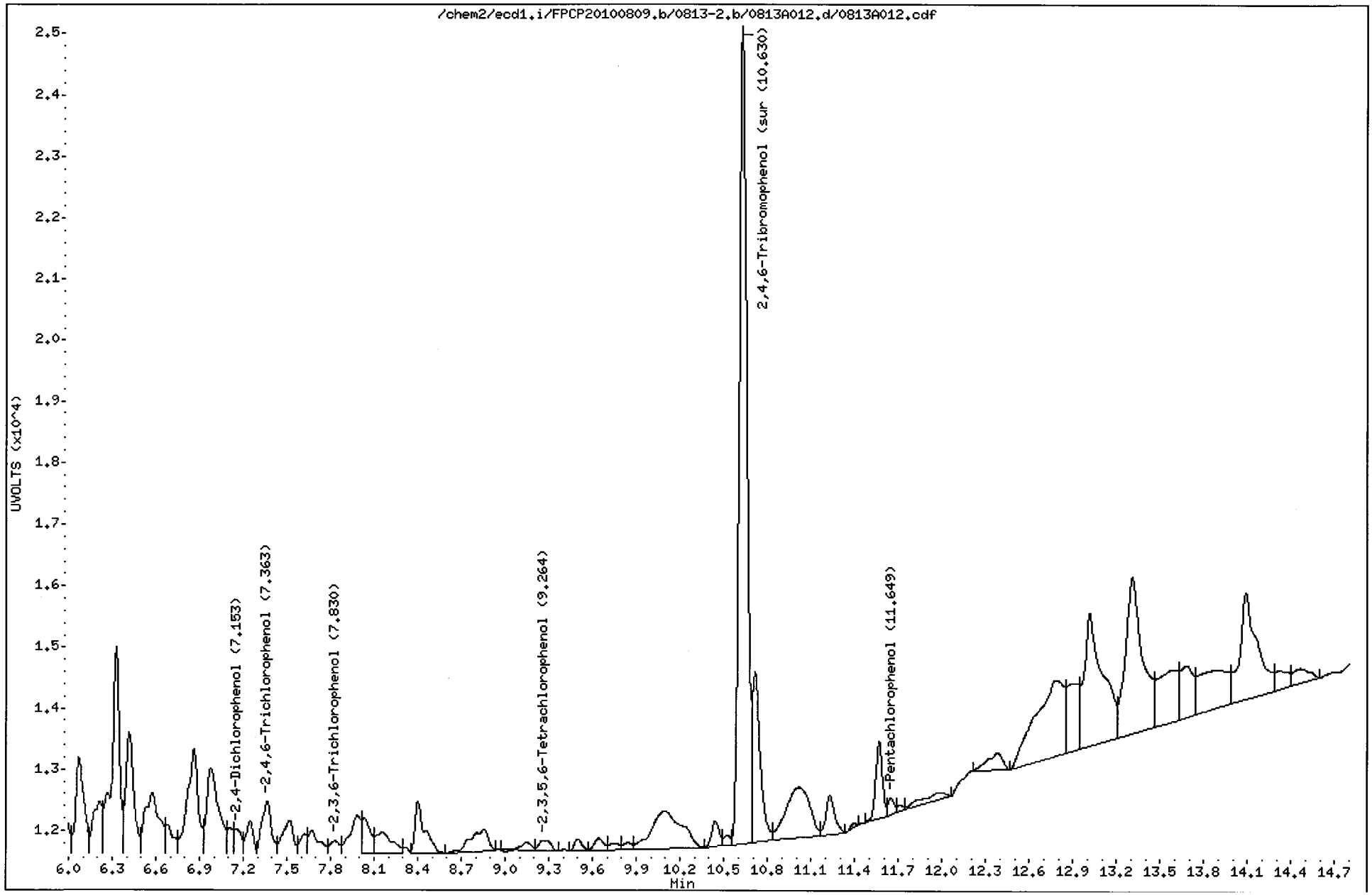
Instrument: ecd1.i

Sample Info: RG58J

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 00935

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A012.d

Date : 13-AUG-2010 13:03

Client ID: PSB23-4-6-072910

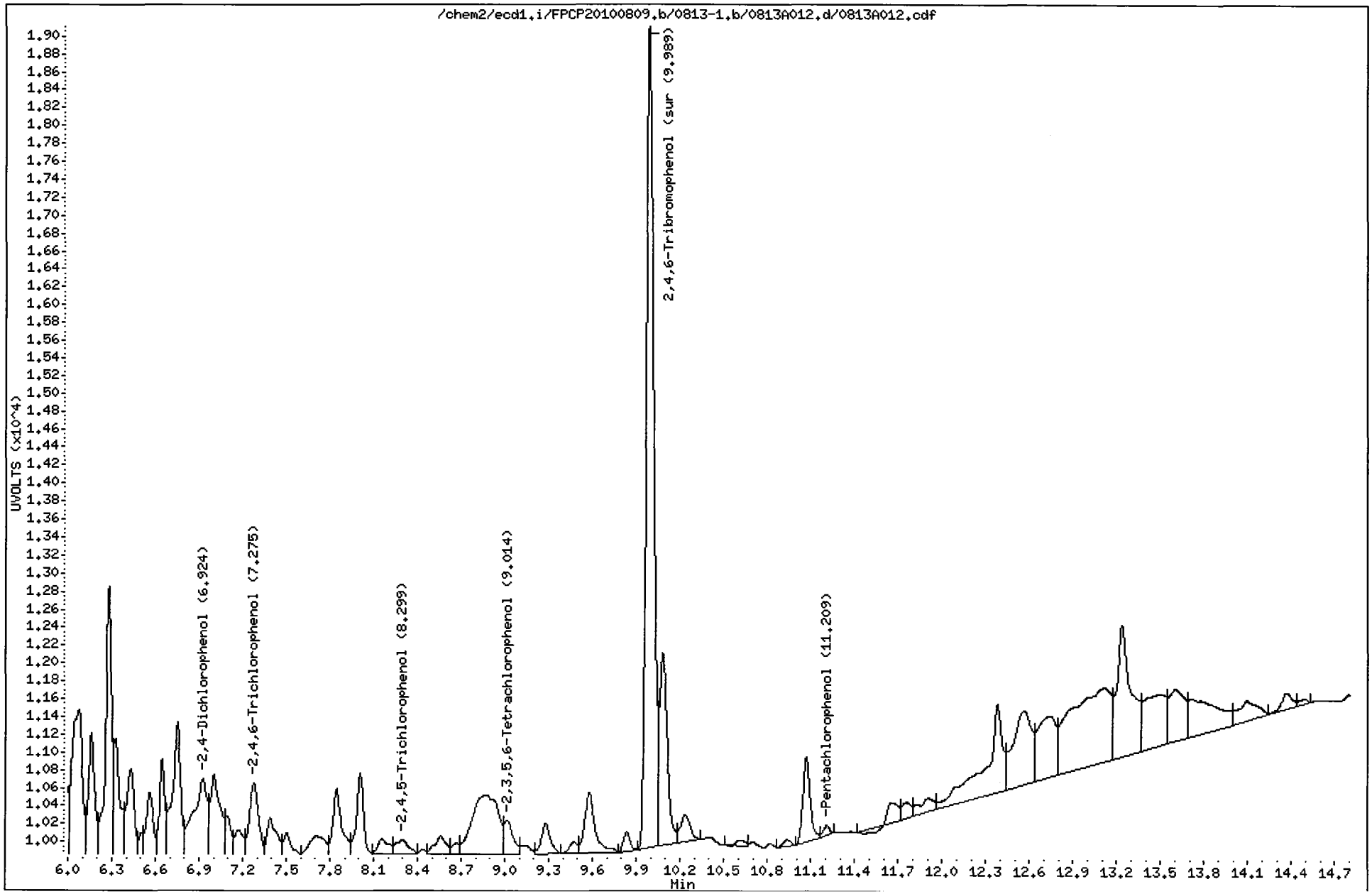
Sample Info: RG58J

Instrument: ecd1.i

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 009936

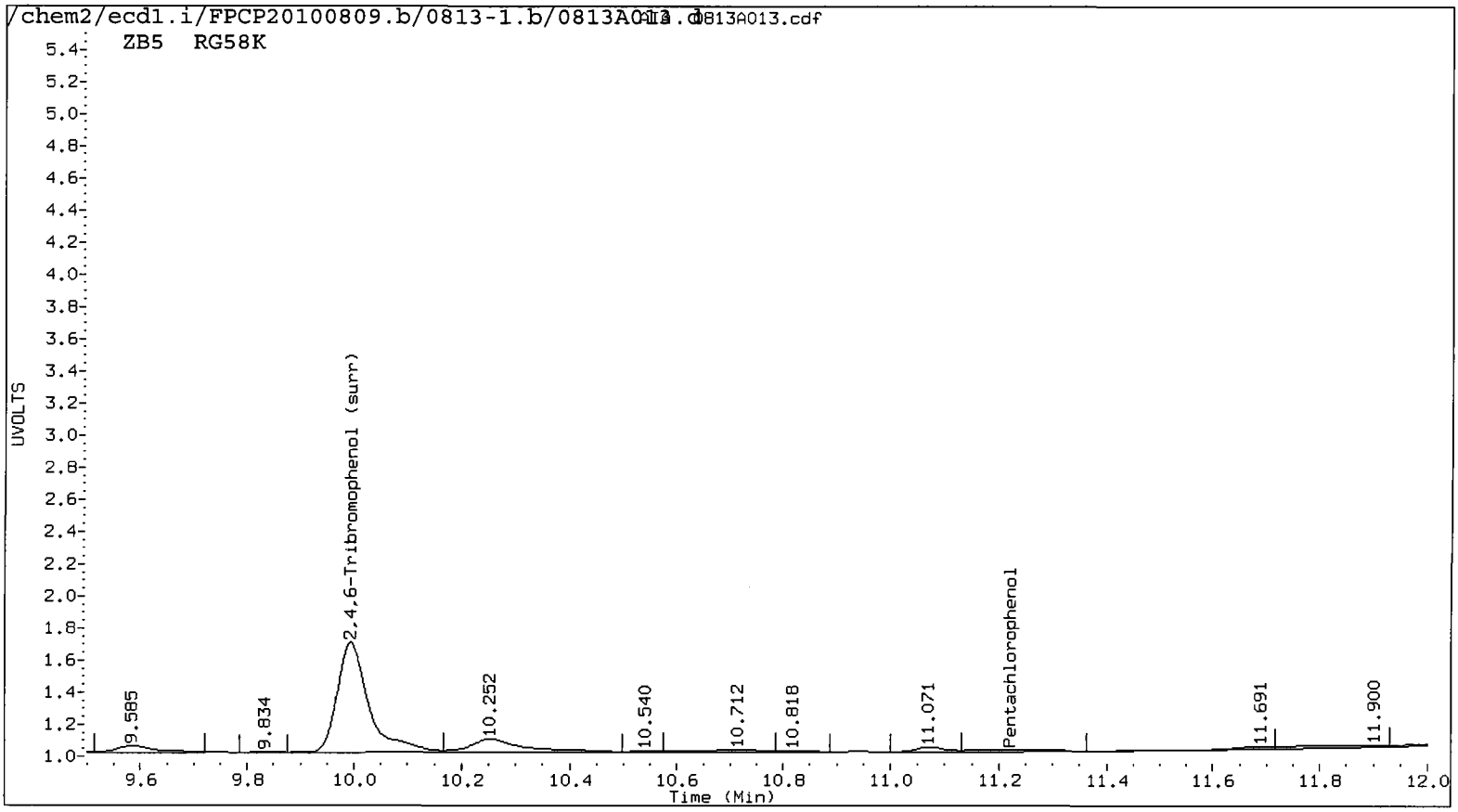
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

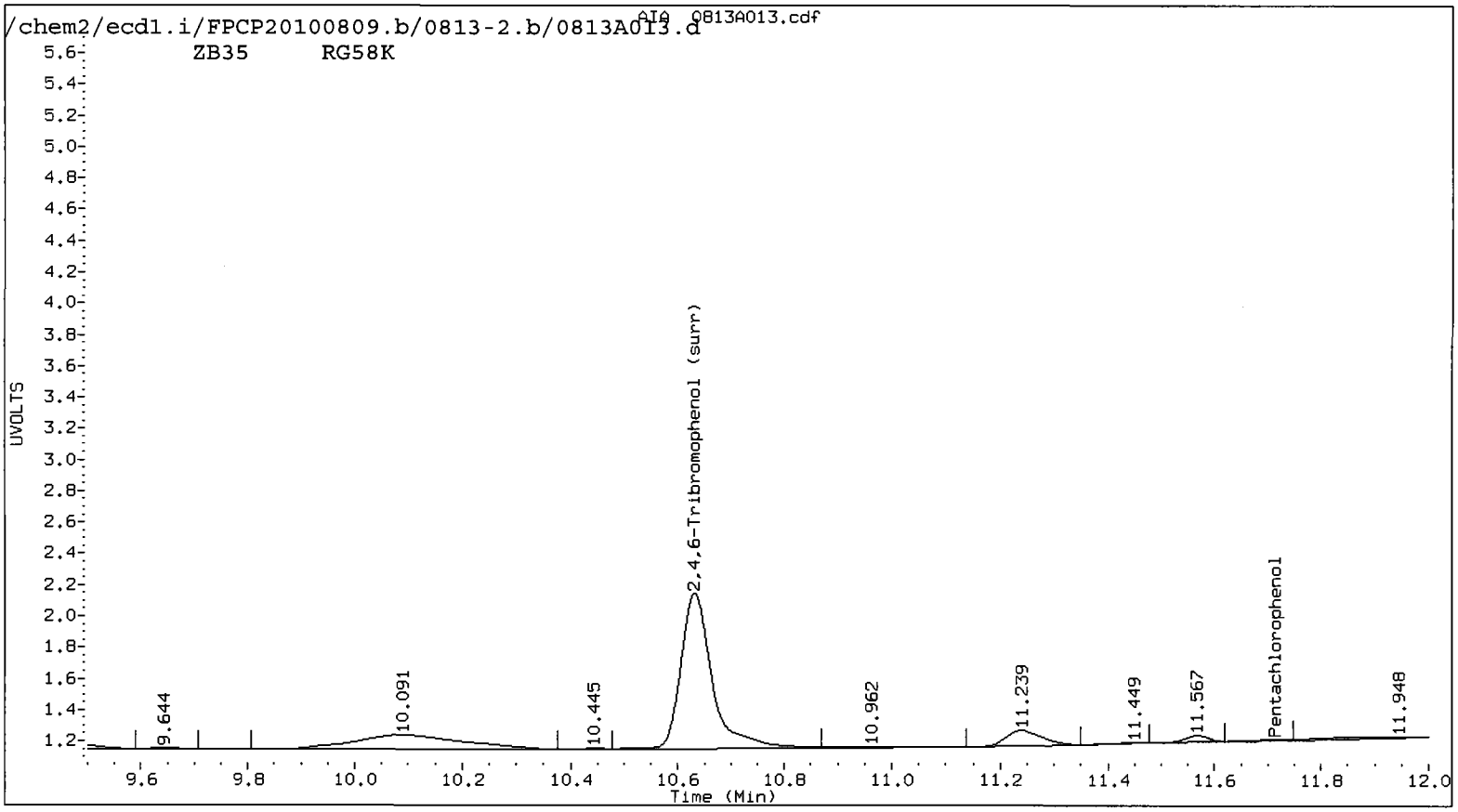
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A013.d ARI ID: RG58K
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A013.d Client ID: PSB23-14-16.5-07291
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 13:23
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.220	0.001	5355	11.713	0.055	2003	0.2974	0.0873	109.3*	Pentachlorophenol
7.280	0.016	13956	7.363	0.030	15368	1.4582	1.2310	16.9	2,4,6-Trichlorophenol
----			7.816	-0.048	3645	0.0000	0.2938	---	2,3,6-Trichlorophenol
8.283	0.041	5647	8.678	0.063	1497	1.1188	0.2085	137.2*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.014	0.007	6740	9.255	-0.022	2144	0.4779	0.1158	122.0*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.171	0.005	7911	0.0000	10.6067	---	2,4-Dichlorophenol
9.994	-0.008	140766	10.631	-0.015	204537	10.7	11.0	2.2	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

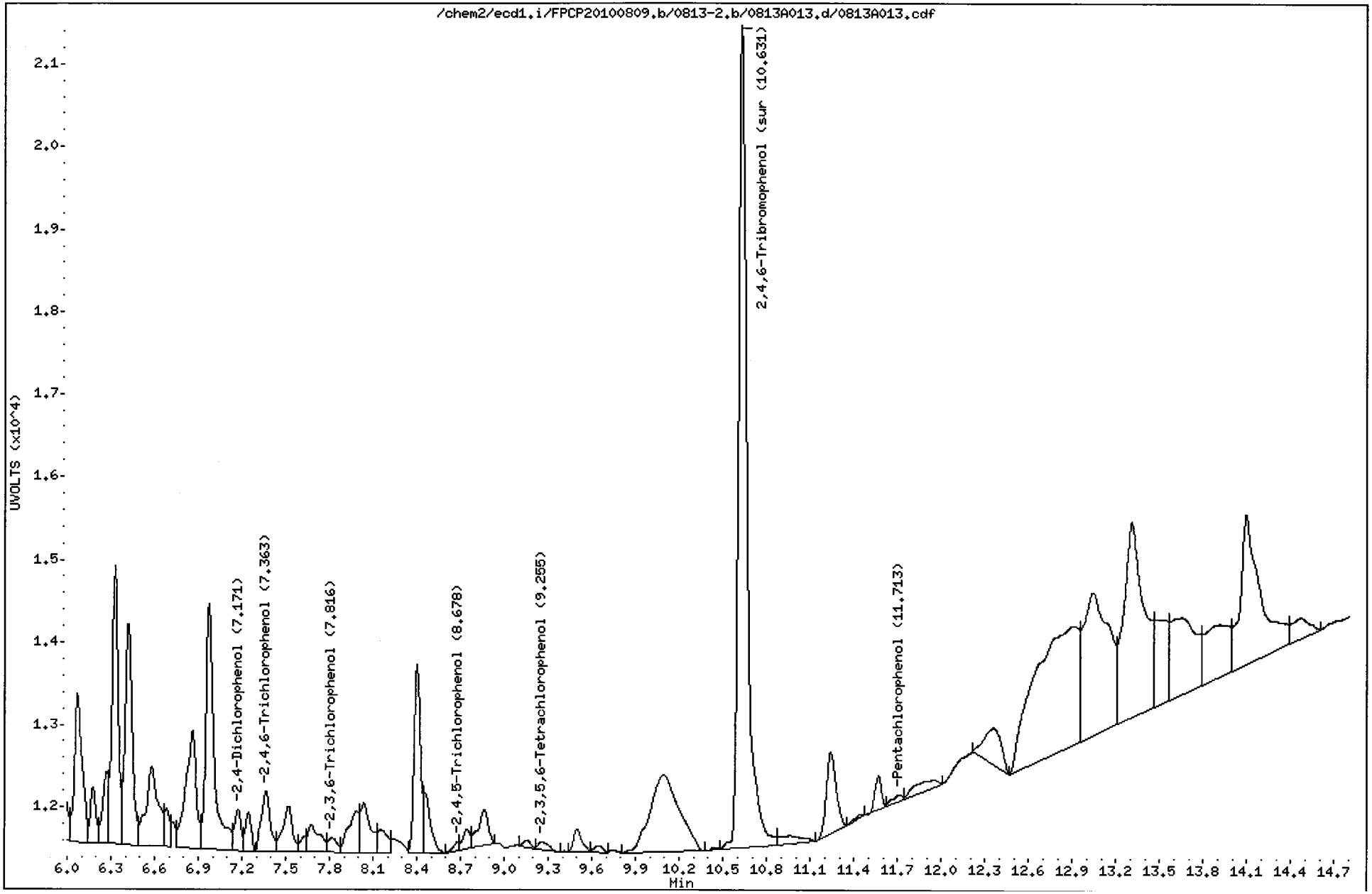
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	42.9	43.8


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A013.d
AIA 0813A013.cdf
ZB5 RG58K
UVOLTS
2,4,6-Tribromophenol (surr)
9.585
9.834
10.252
10.540
10.712
10.818
11.071
Pentachlorophenol
11.691
11.900
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A013.d
AIA 0813A013.cdf
ZB35 RG58K
UVOLTS
9.644
10.091
10.445
2,4,6-Tribromophenol (surr)
10.962
11.239
11.449
11.567
Pentachlorophenol
11.948
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A013.d
Date : 13-AUG-2010 13:23
Client ID: PSB23-14-16.5-07291
Sample Info: RG58K

Instrument: ecd1.i
Operator: ar
Column phase: ZB35
Column diameter: 0.53



RG58 : 09339

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A013.d

Date : 13-AUG-2010 13:23

Client ID: PSB23-14-16.5-07291

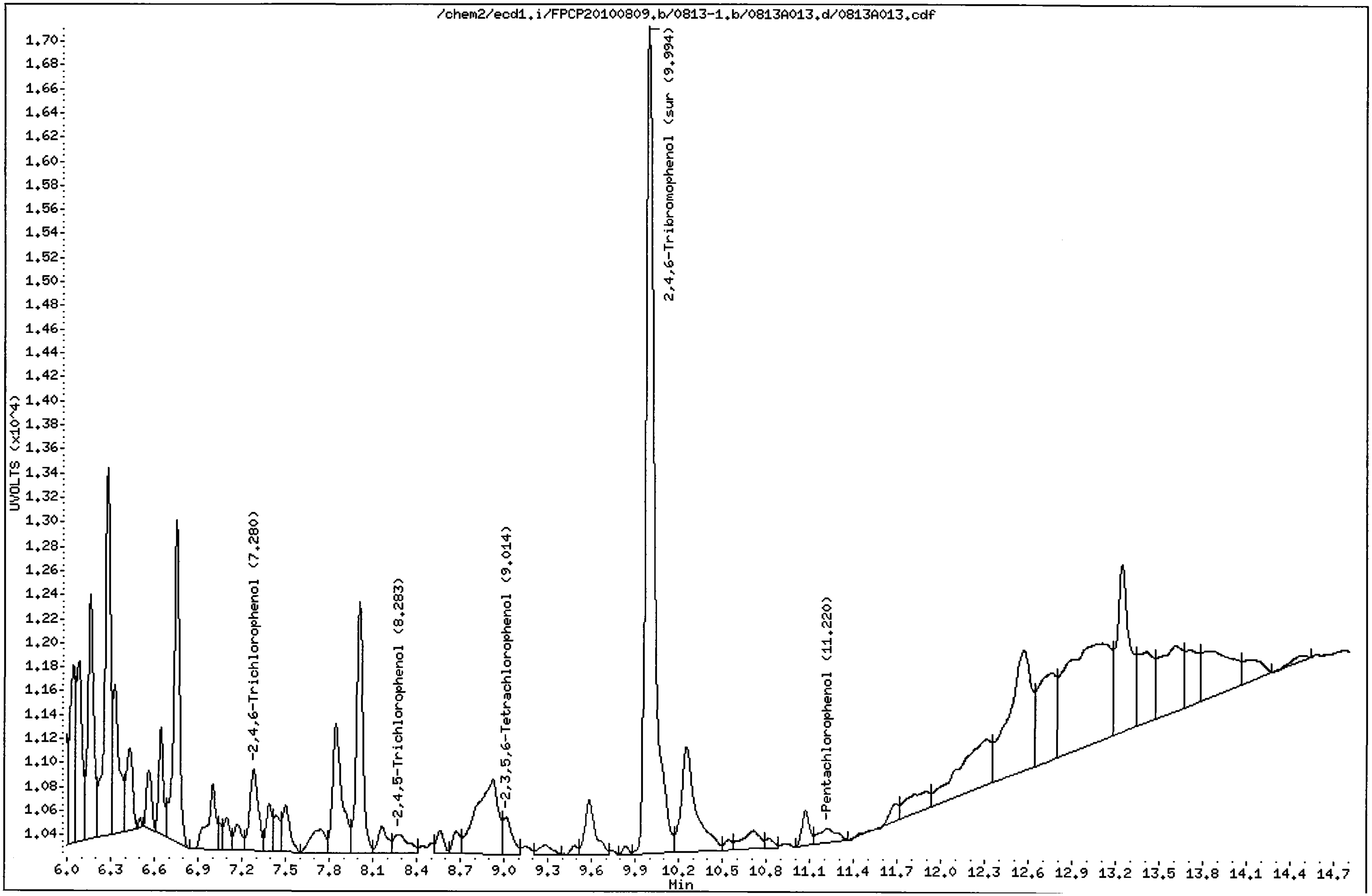
Instrument: ecd1.i

Sample Info: RG58K

Operator: ar

Column phase: ZB5

Column diameter: 0.53



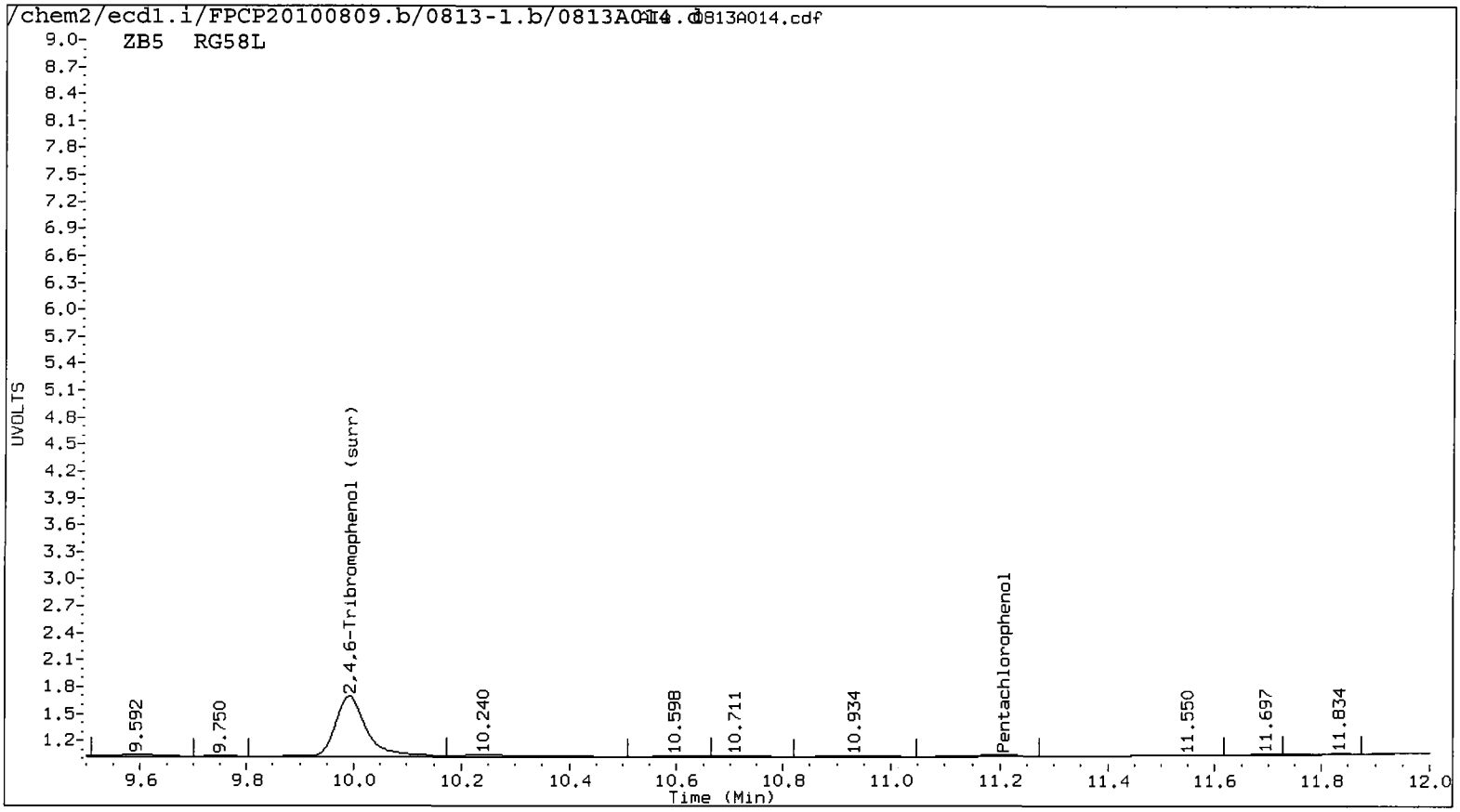
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

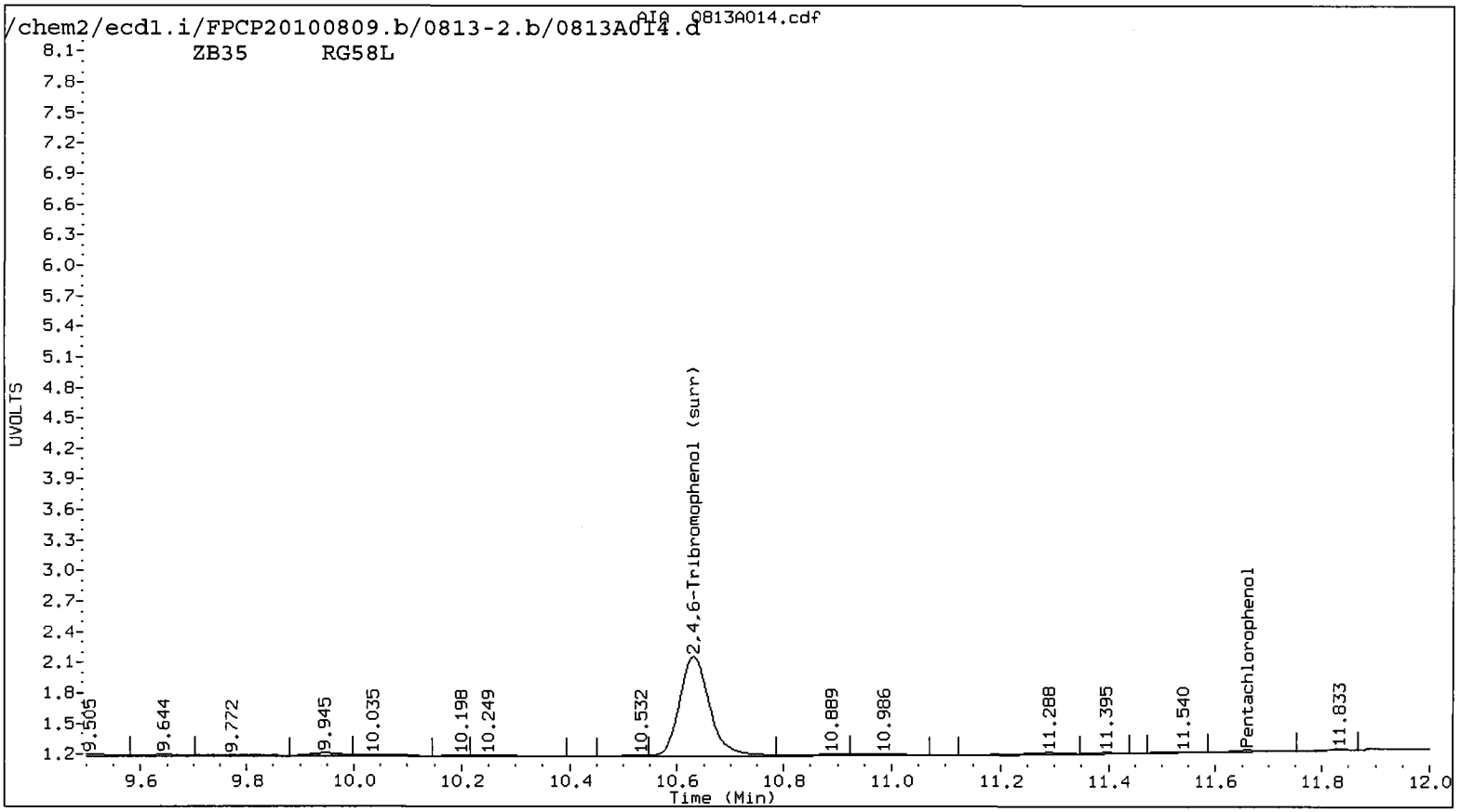
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A014.d ARI ID: RG58L
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A014.d Client ID: PSB23-16.5-19-07291
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 13:44
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.207	-0.012	3533	11.661	0.003	3486	0.1961	0.1518	25.4	Pentachlorophenol
7.281	0.017	25579	7.364	0.031	29052	2.6937	2.3271	14.6	2,4,6-Trichlorophenol
----			7.825	-0.039	6520	0.0000	0.5255	---	2,3,6-Trichlorophenol
8.296	0.054	13641	8.655	0.040	732	2.7025	0.1020	185.5*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.015	0.008	15793	9.268	-0.009	13998	1.1197	0.7560	38.8	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.164	-0.002	12090	0.0000	16.3058	---	2,4-Dichlorophenol
9.992	-0.010	135180	10.630	-0.016	189080	10.3	10.1	1.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	41.1	40.5


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A014.d
AIa 0813A014.cdf
ZB5 RG58L
UVOLTS
9.592
9.750
2,4,6-Tribromophenol (surr)
10.240
10.598
10.711
10.934
Pentachlorophenol
11.550
11.697
11.834
Time (Min)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AIa 0813A014.cdf
ZB35 RG58L
UVOLTS
9.505
9.644
9.772
9.945
10.035
10.198
10.249
10.532
2,4,6-Tribromophenol (surr)
10.889
10.986
11.288
11.395
11.540
Pentachlorophenol
11.833
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A014.d

Page 1

Date : 13-AUG-2010 13:44

Client ID: PSB23-16.5-19-07291

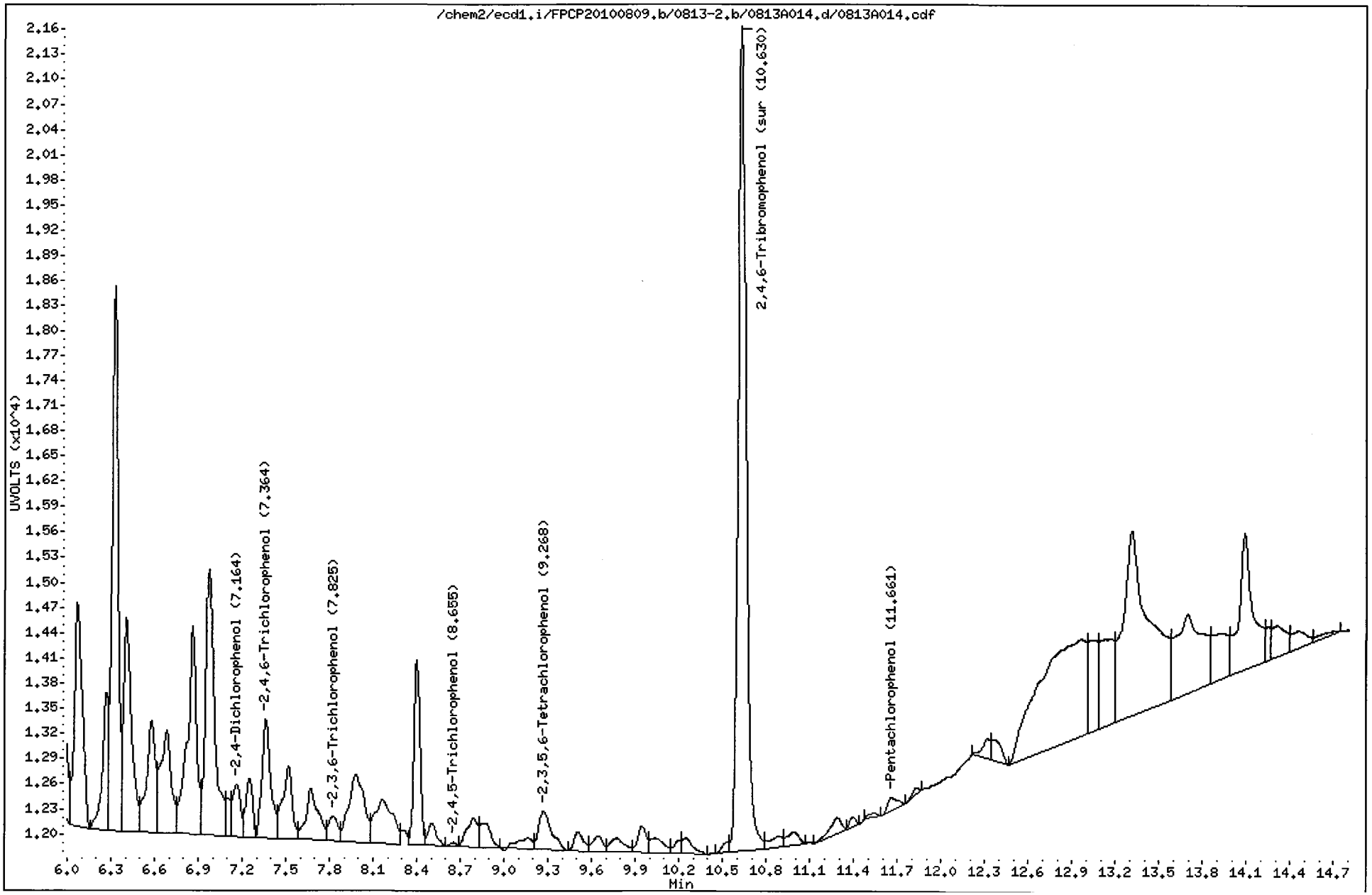
Instrument: ecd1.i

Sample Info: RG58L

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 09913

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A014.d

Page 1

Date : 13-AUG-2010 13:44

Client ID: PSB23-16.5-19-07291

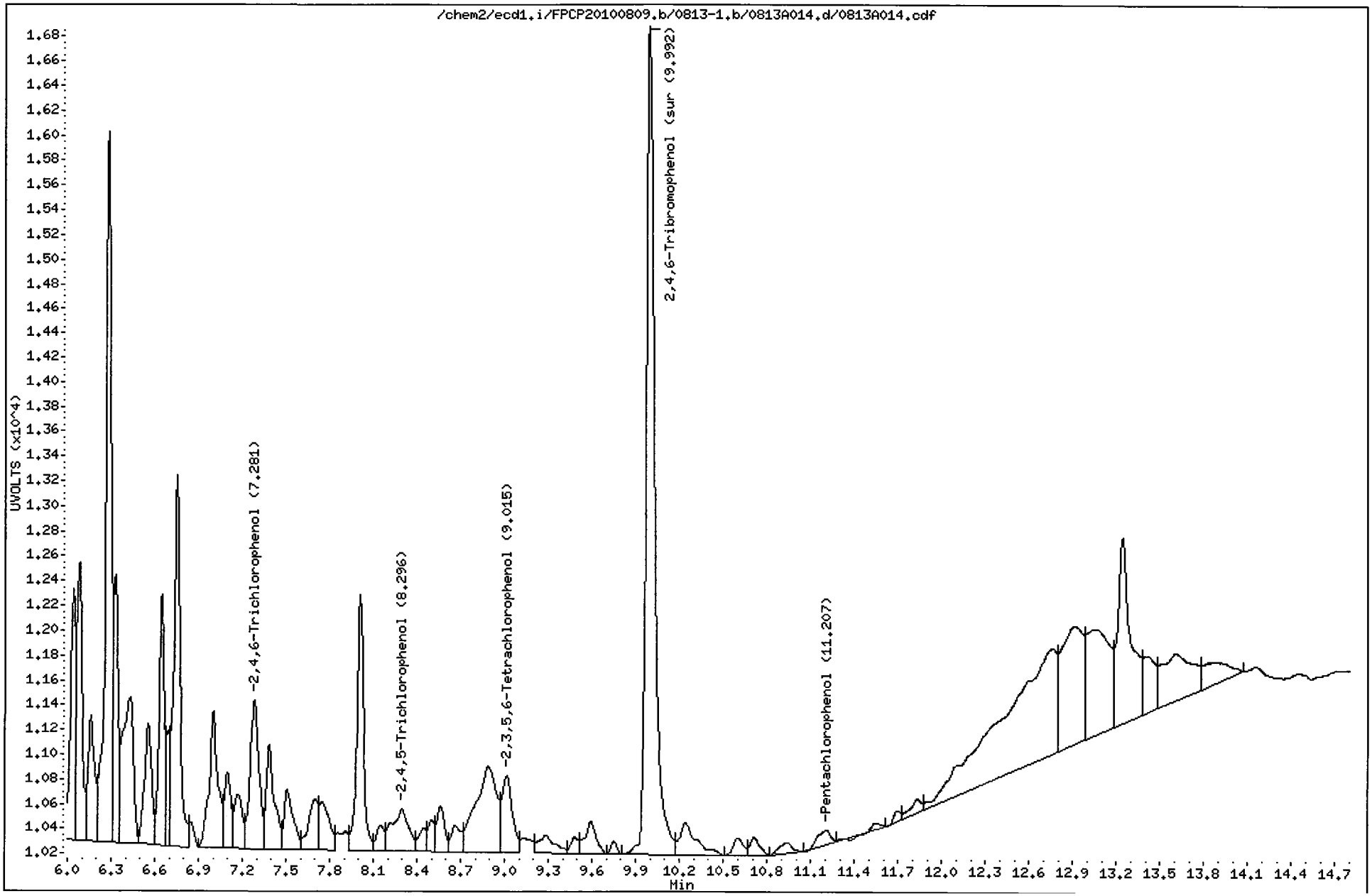
Instrument: ecd1.i

Sample Info: RG58L

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 005414

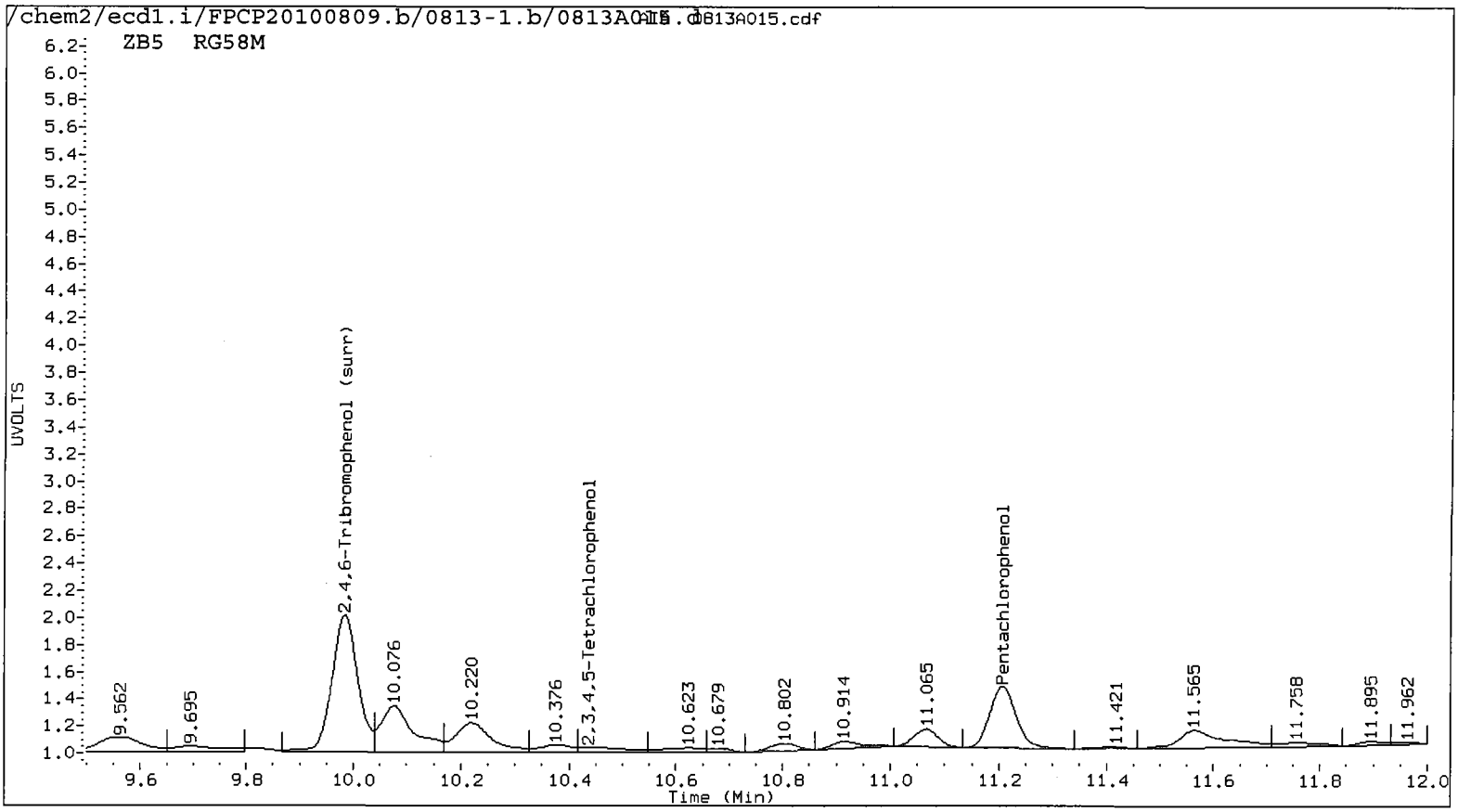
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

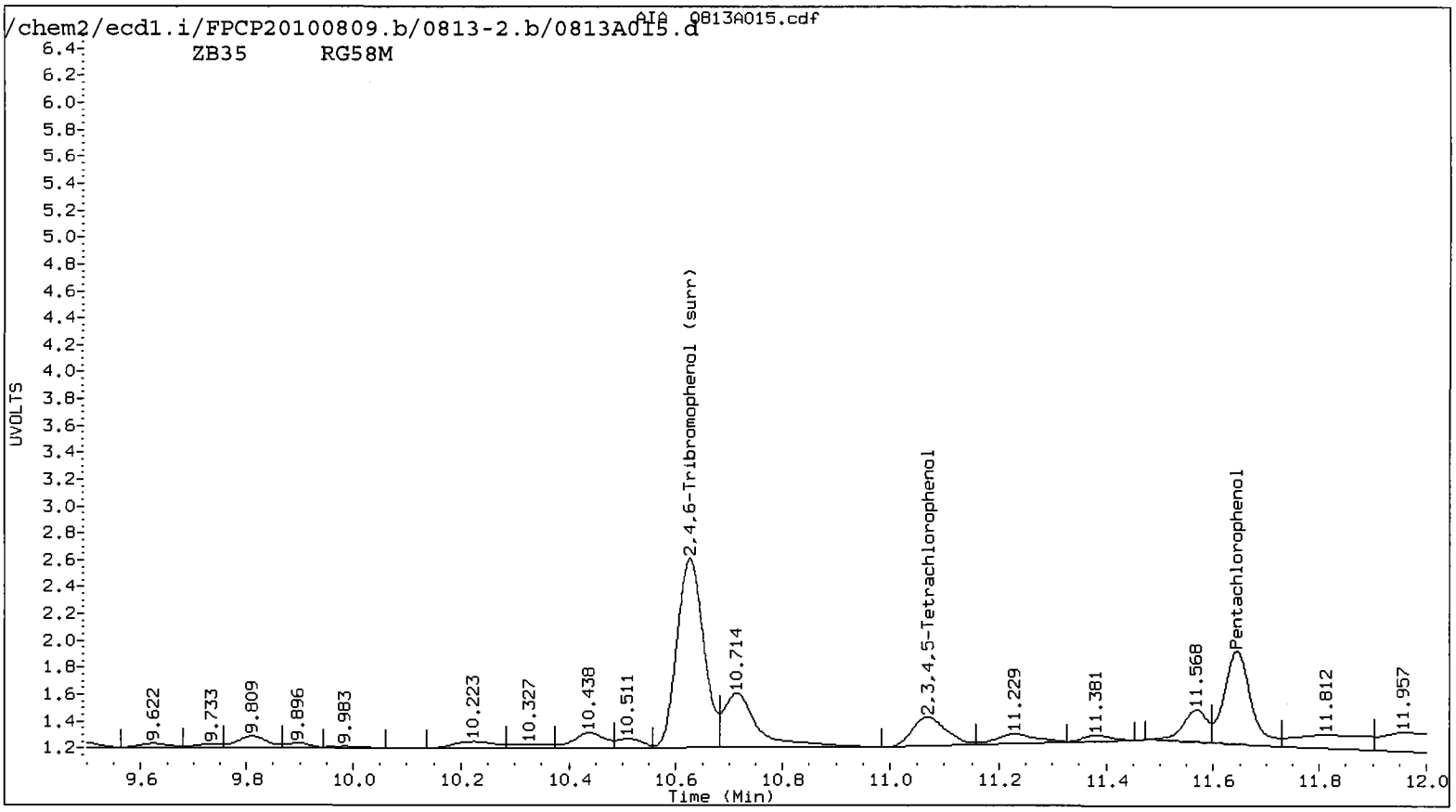
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A015.d ARI ID: RG58M
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A015.d Client ID: PSB24-0-0.5-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 14:04
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.207	-0.012	75734	11.644	-0.014	120630	4.3321	5.2536	19.2	Pentachlorophenol
7.263	-0.001	40125	7.329	-0.004	57232	4.2667	4.5843	7.2	2,4,6-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,6-Trichlorophenol
8.294	0.052	12834	8.618	0.003	3587	2.5426	0.5006	134.2*	2,4,5-Trichlorophenol
8.816	0.024	11407	9.399	0.019	1039	1.6674	0.1073	175.8*	2,3,4-Trichlorophenol
9.021	0.014	27535	9.279	0.002	15781	1.9521	0.8524	78.4*	2,3,5,6-Tetrachlorophenol
10.438	0.025	10469	11.069	-0.057	45630	0.8383	3.1274	115.4*	2,3,4,5-Tetrachlorophenol
6.856	-0.037	1289	7.102	-0.064	69780	2.0047	101.7078	192.3*	2,4-Dichlorophenol
9.984	-0.018	170210	10.626	-0.020	244332	13.1	13.1	0.1	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	52.4	52.4


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A015.d
AIA 0813A015.cdf
ZB5 RG58M
UVOLTS
Time (Min)
9.562
9.695
2,4,6-Tribromophenol (surr)
10.076
10.220
10.376
2,3,4,5-Tetrachlorophenol
10.623
10.679
10.802
10.914
11.065
Pentachlorophenol
11.421
11.565
11.758
11.895
11.962


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A015.d
AIA 0813A015.cdf
ZB35 RG58M
UVOLTS
Time (Min)
9.622
9.733
9.809
9.896
9.983
10.223
10.327
10.438
10.511
2,4,6-Tribromophenol (surr)
10.714
2,3,4,5-Tetrachlorophenol
11.229
11.381
11.568
Pentachlorophenol
11.812
11.957

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A015.d

Date : 13-AUG-2010 14:04

Client ID: PSB24-0-0.5-072910

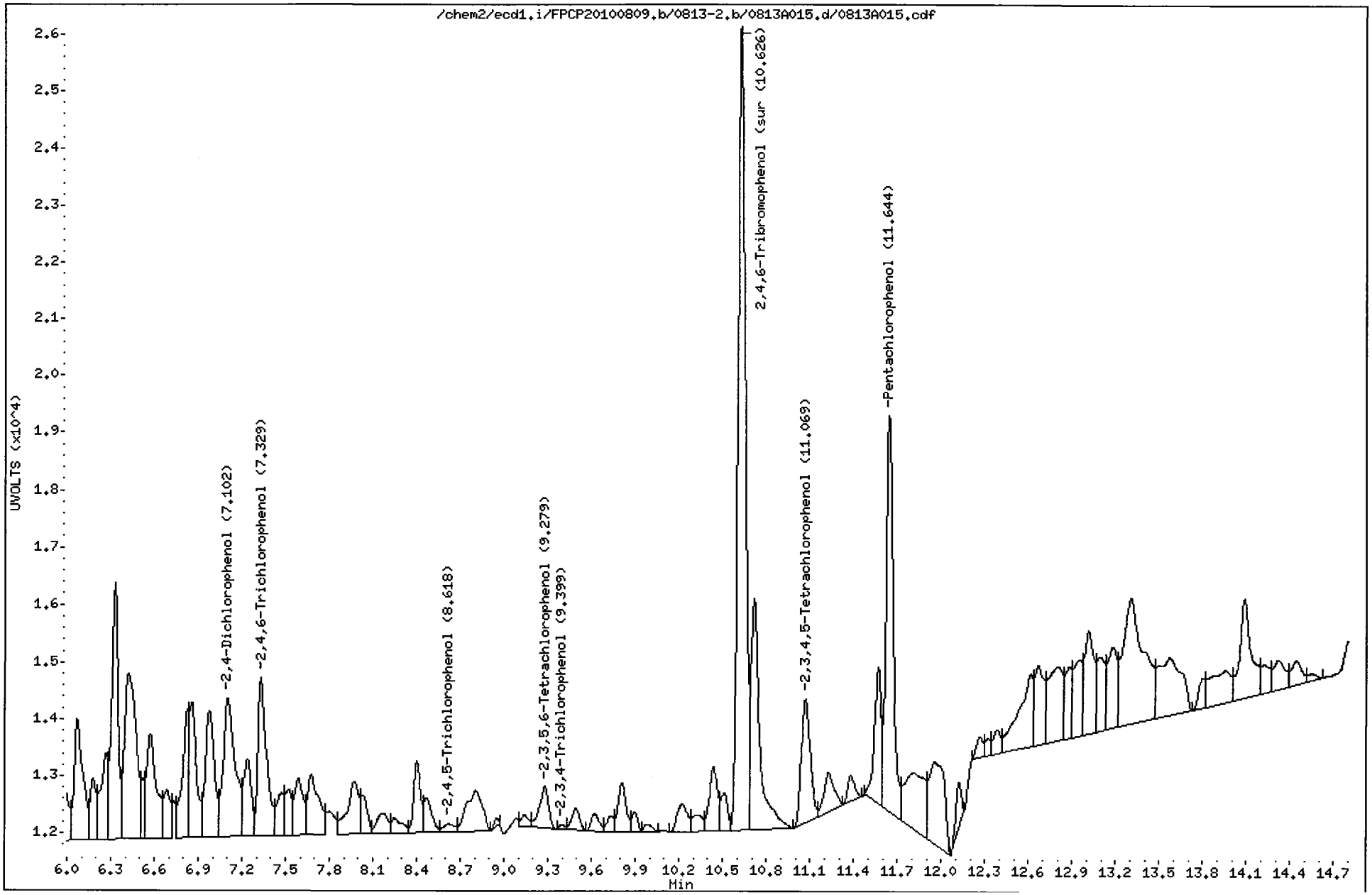
Instrument: ecd1.i

Sample Info: RG58M

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58:0091

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A015.d

Date : 13-AUG-2010 14:04

Client ID: PSB24-0-0.5-072910

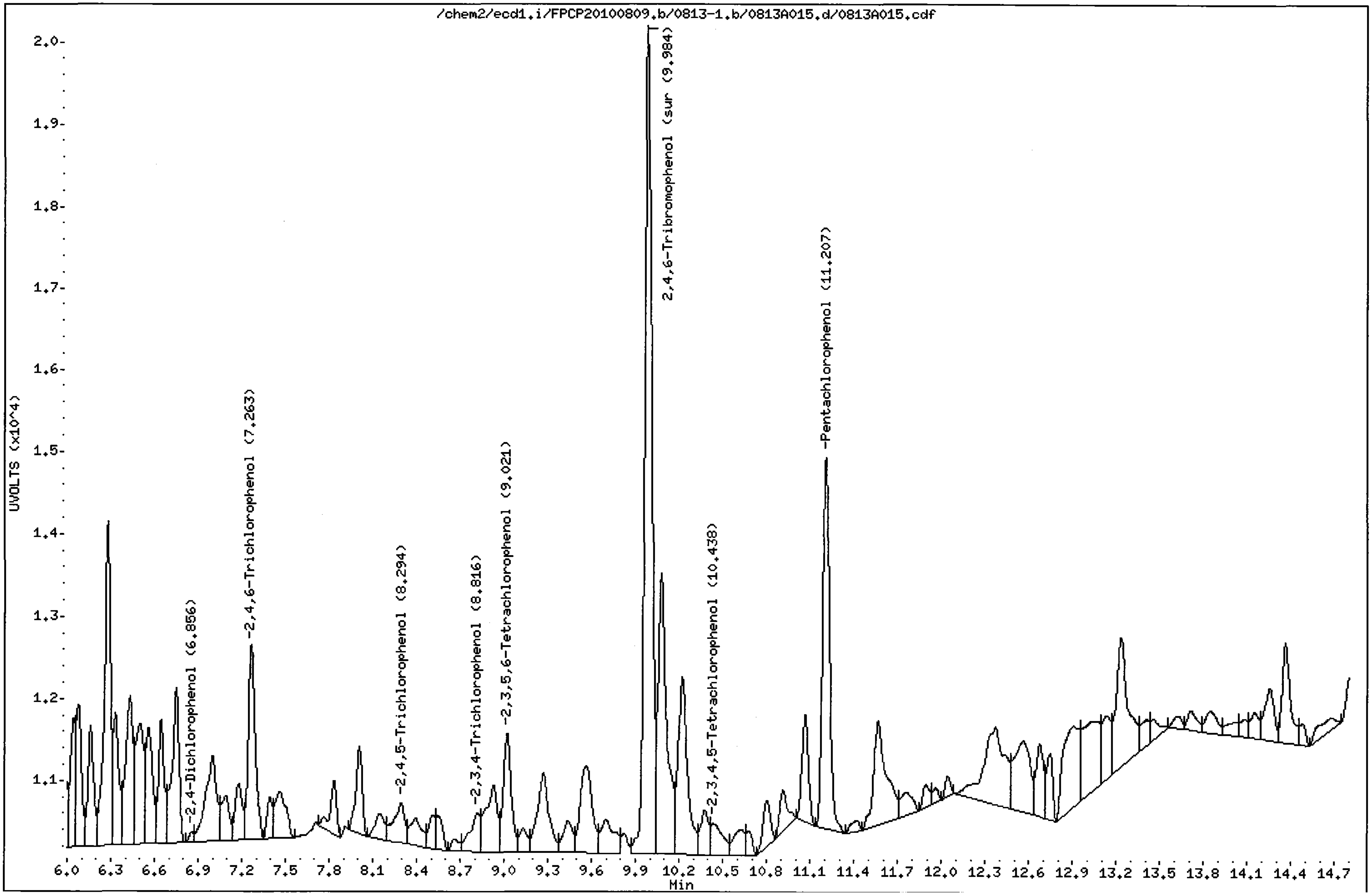
Sample Info: RG58M

Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



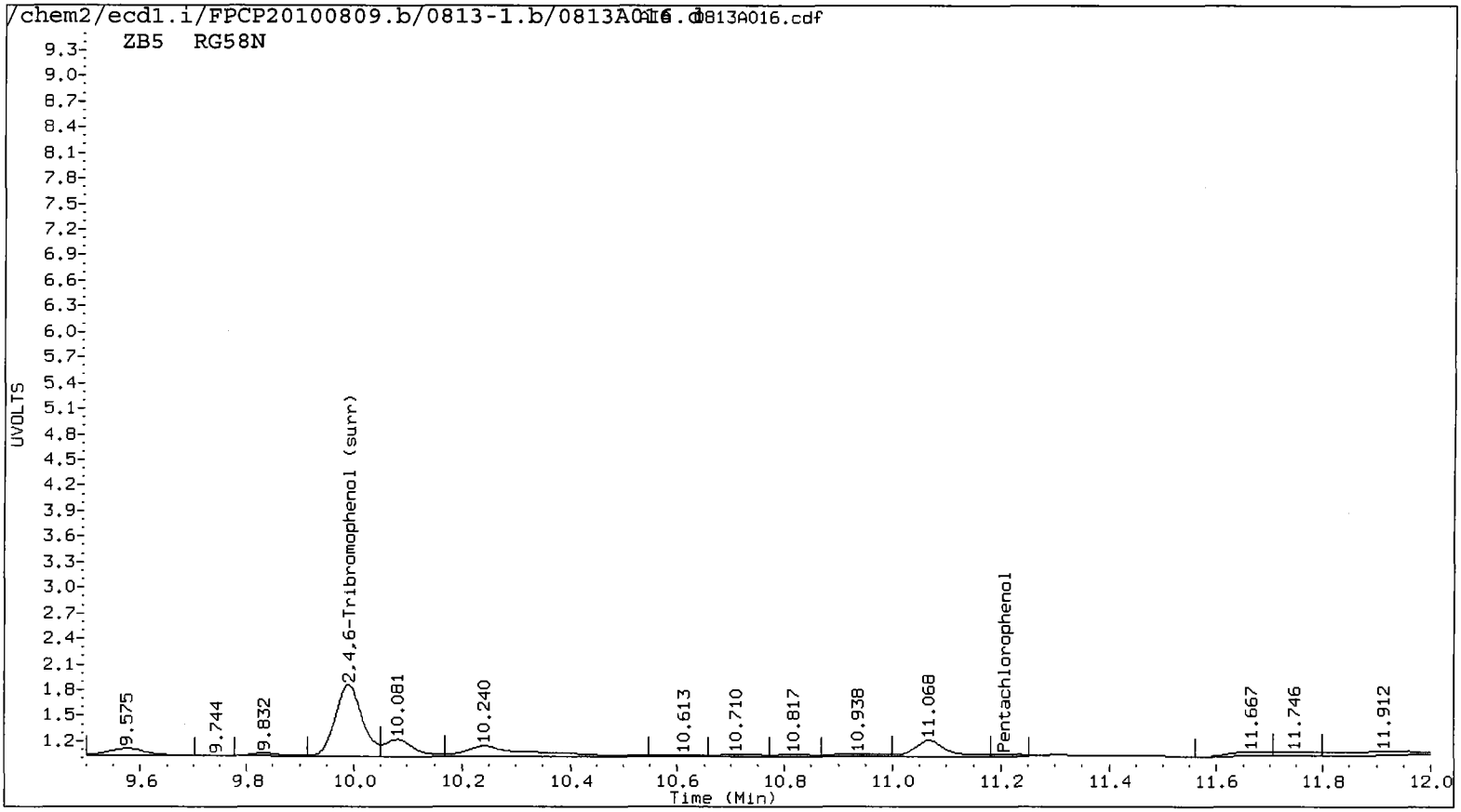
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A016.d ARI ID: RG58N
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A016.d Client ID: PSB24-1.5-2-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 14:24
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.205	-0.014	4885	11.724	0.066	3441	0.2713	0.1499	57.7*	Pentachlorophenol
7.277	0.013	26896	7.364	0.031	41347	2.8349	3.3119	15.5	2,4,6-Trichlorophenol
----			7.830	-0.034	11524	0.0000	0.9288	---	2,3,6-Trichlorophenol
8.211	-0.031	2138	8.645	0.030	1759	0.4237	0.2450	53.4*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.018	0.011	9135	9.283	0.006	11777	0.6477	0.6361	1.8	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
6.926	0.033	23482	7.112	-0.054	39454	38.6386	55.2482	35.4	2,4-Dichlorophenol
9.990	-0.012	145808	10.630	-0.016	217368	11.1	11.6	4.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	44.5	46.6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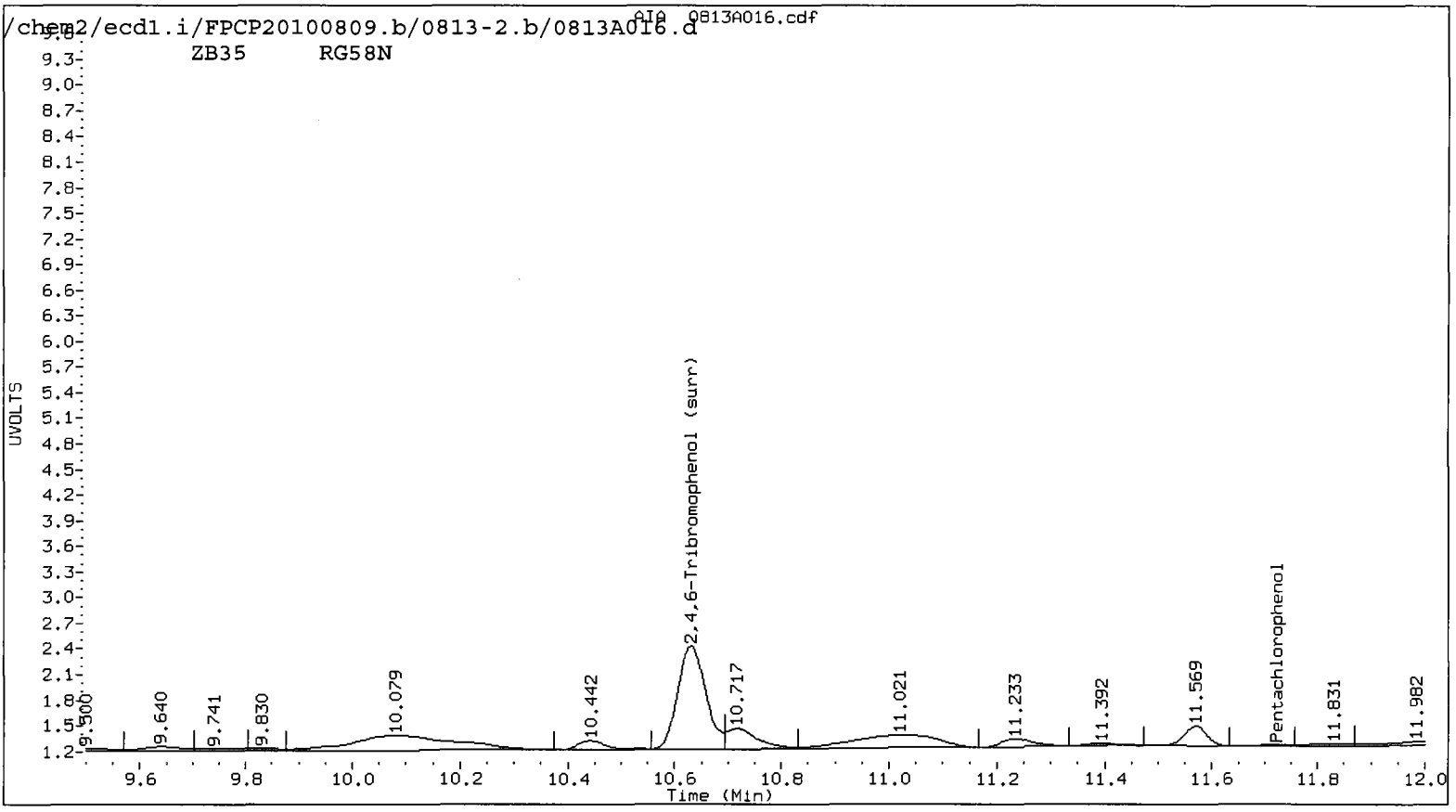
0813A016.cdf
ZB5 RG58N
UVOLTS
Time (Min)
9.575
9.744
9.832
2,4,6-Tribromophenol (surr)
10.081
10.240
10.613
10.710
10.817
10.938
11.068
Pentachlorophenol
11.667
11.746
11.912


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A016.d
0813A016.cdf
ZB35 RG58N
UVOLTS
Time (Min)
9.500
9.640
9.741
9.830
10.079
10.442
2,4,6-Tribromophenol (surr)
10.717
11.021
11.233
11.392
11.569
Pentachlorophenol
11.831
11.982

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A016.d

Date : 13-AUG-2010 14:24

Client ID: PSB24-1.5-2-072910

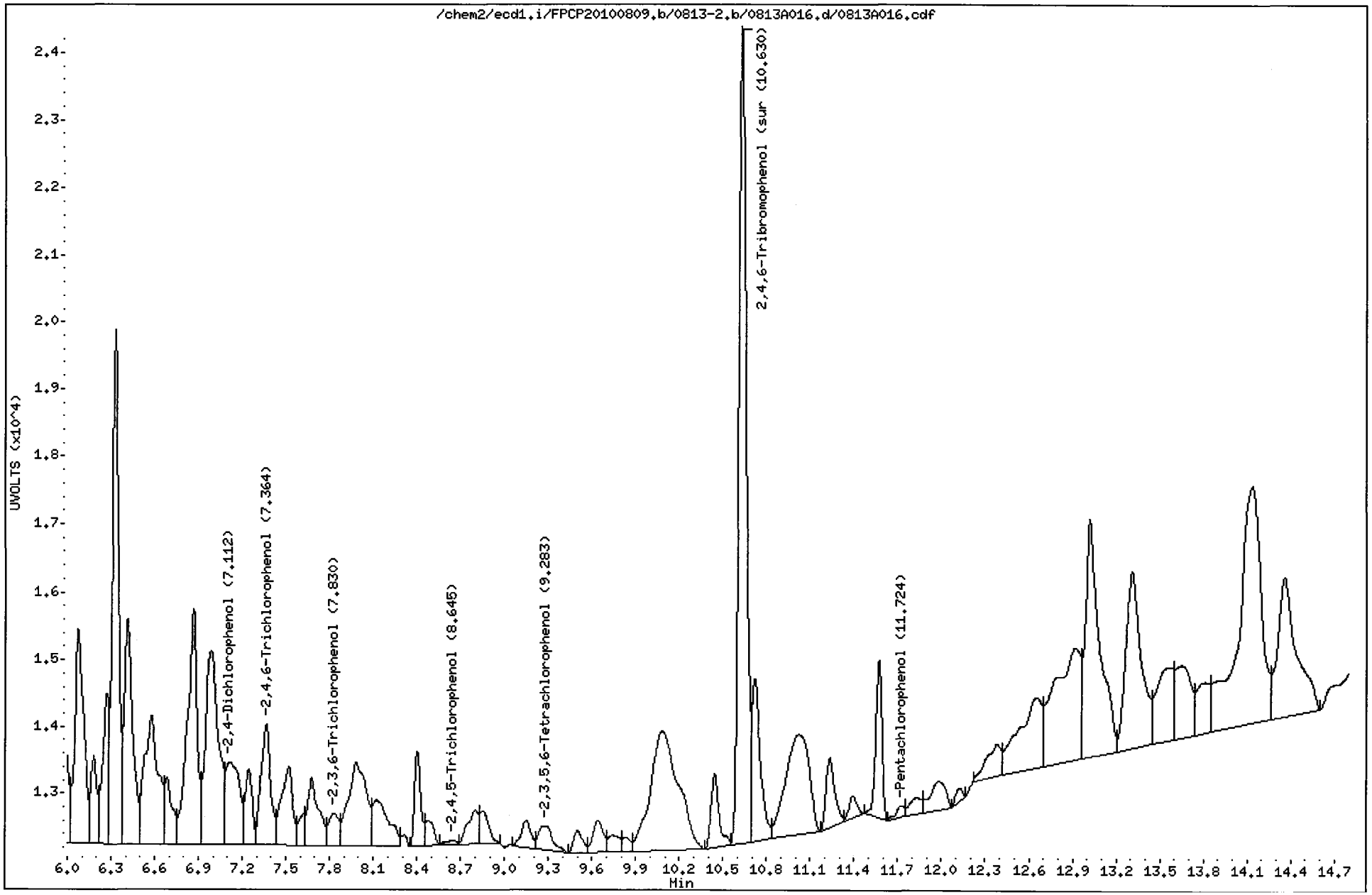
Instrument: ecd1.i

Sample Info: RG58N

Operator: ar

Column phase: ZB35

Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A016.d

Page 1

Date : 13-AUG-2010 14:24

Client ID: PSB24-1.5-2-072910

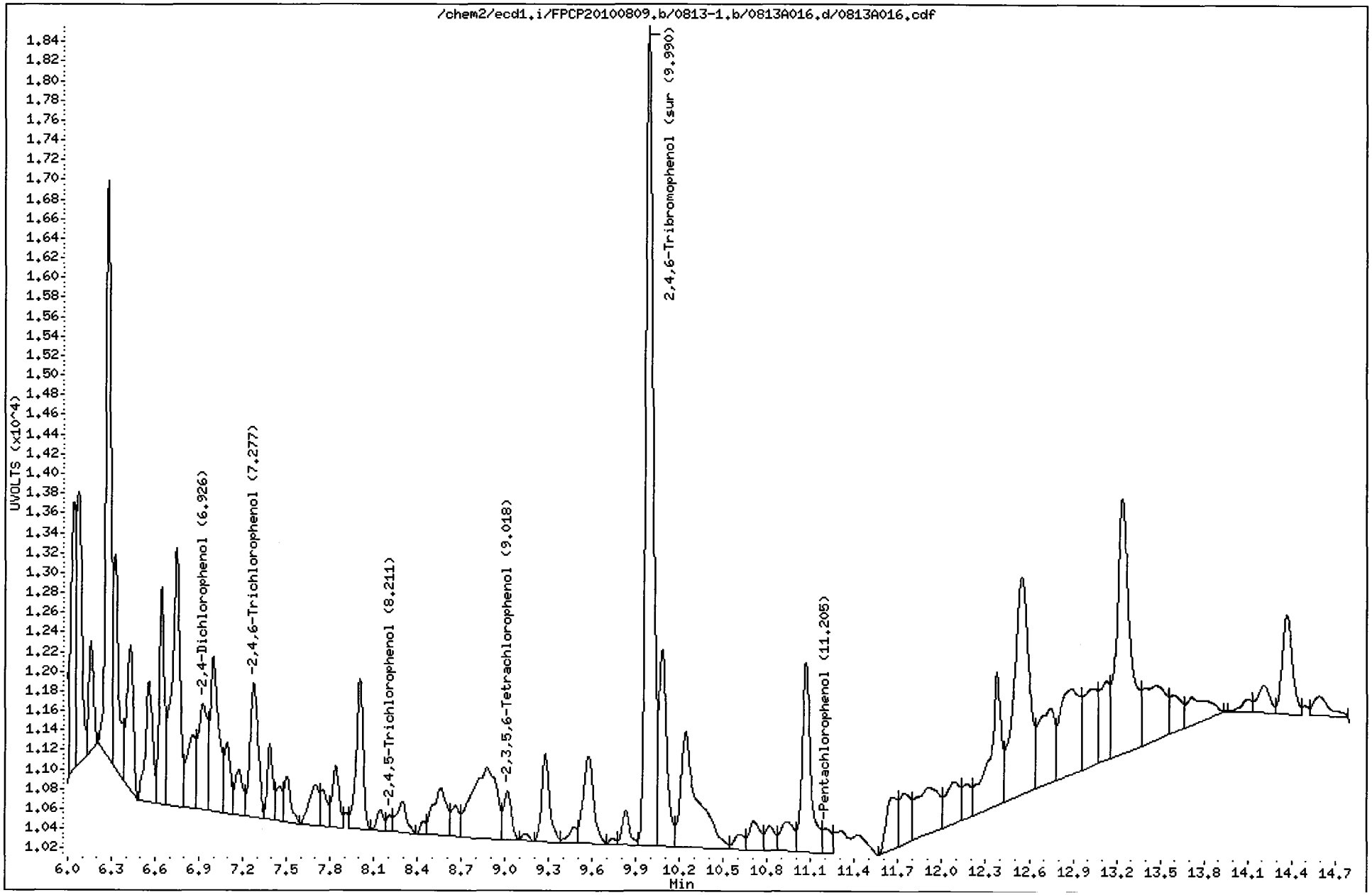
Instrument: ecd1.i

Sample Info: RG58N

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 09952

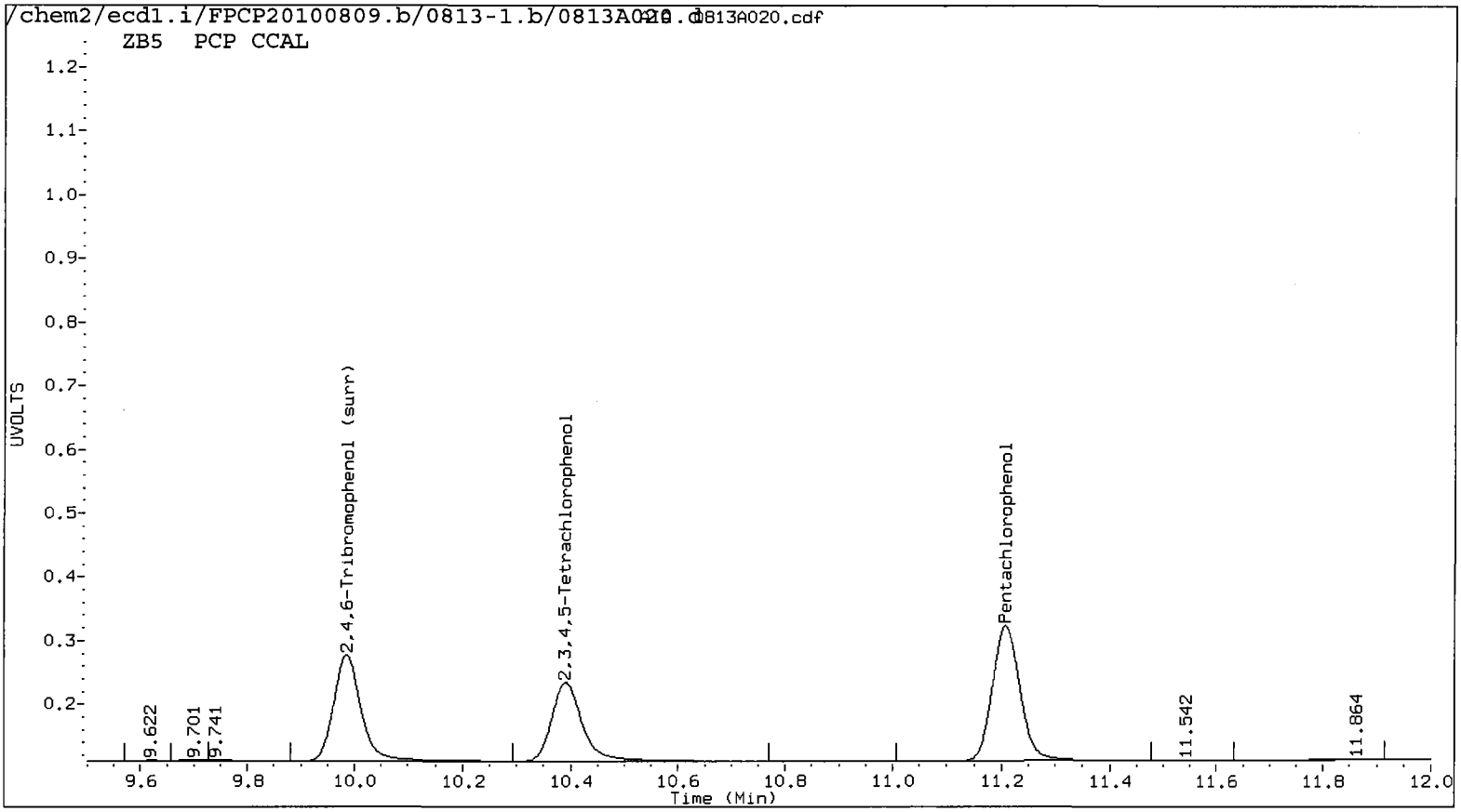
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

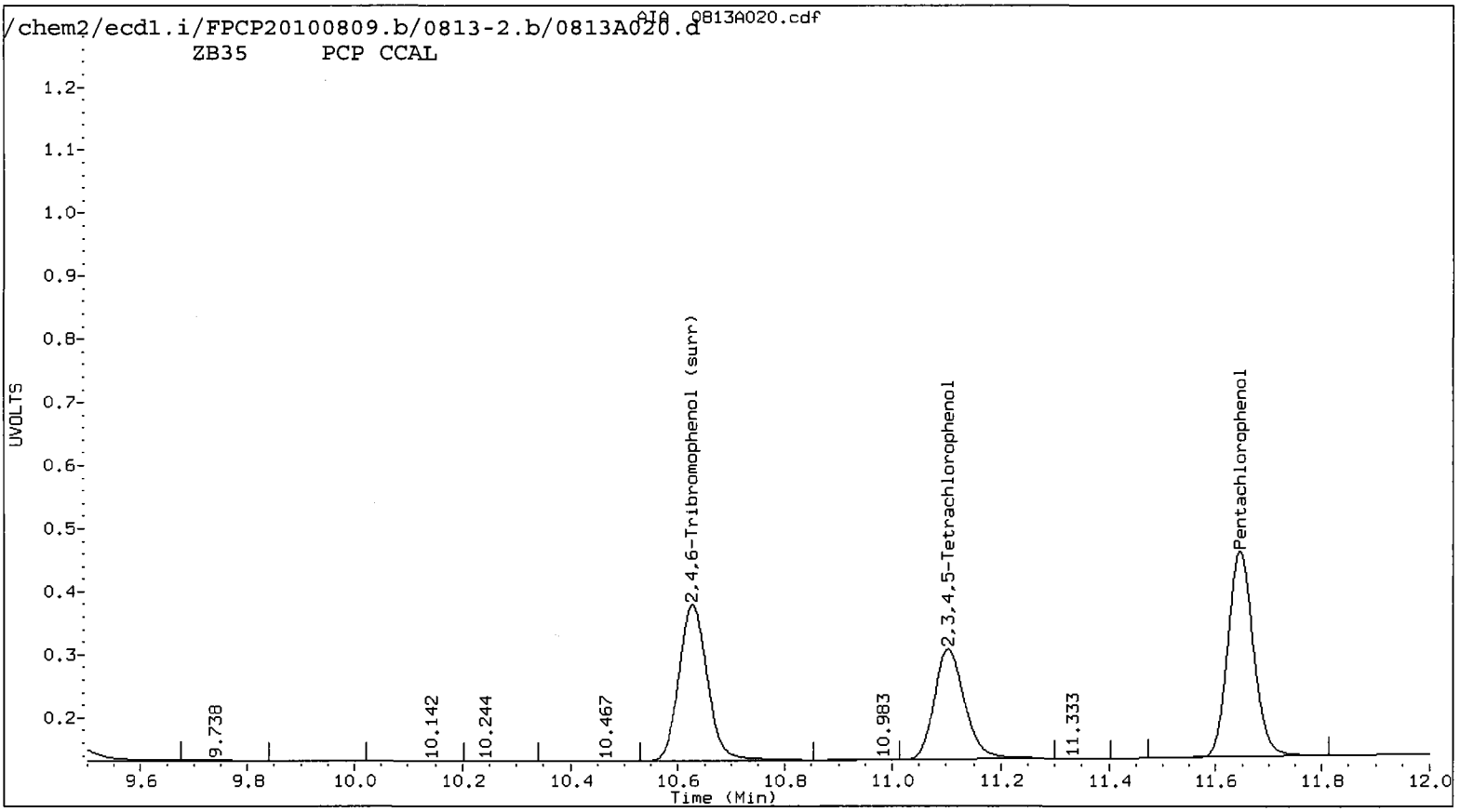
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A020.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A020.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 15:44
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.208	-0.011	374763	11.646	-0.012	545884	24.0988	23.7740	1.4	Pentachlorophenol
7.259	-0.005	209611	7.328	-0.005	328986	24.7997	26.3514	6.1	2,4,6-Trichlorophenol
7.612	-0.007	200238	7.855	-0.009	298862	22.5037	24.0852	6.8	2,3,6-Trichlorophenol
8.215	-0.027	121352	8.588	-0.027	159760	24.0419	25.6444	6.5	2,4,5-Trichlorophenol
8.763	-0.029	158501	9.353	-0.027	208106	23.1690	24.5468	5.8	2,3,4-Trichlorophenol
8.991	-0.016	341061	9.258	-0.019	460185	24.1791	24.8550	2.8	2,3,5,6-Tetrachlorophenol
10.391	-0.022	247863	11.104	-0.022	341629	23.8752	23.4141	2.0	2,3,4,5-Tetrachlorophenol
6.885	-0.008	105575	7.154	-0.012	155776	208.9275	252.3380	18.8	2,4-Dichlorophenol
9.985	-0.017	299650	10.627	-0.019	457862	24.2	24.5	1.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	96.4	95.1
2,4,6-Trichlorophenol	99.2	105.4
2,3,6-Trichlorophenol	90.0	96.3
2,4,5-Trichlorophenol	96.2	102.6
2,3,4-Trichlorophenol	92.7	98.2
2,3,5,6-Tetrachlorophenol	96.7	99.4
2,3,4,5-Tetrachlorophenol	95.5	93.7
2,4-Dichlorophenol	83.6	100.9
2,4,6-TBP (surr)	96.8	98.1


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A020.d
0813A020.cdf
ZB5 PCP CCAL
UVOLTS
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
9.622
9.701
9.741
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
11.542
11.864
9.6
9.8
10.0
10.2
10.4
10.6
10.8
11.0
11.2
11.4
11.6
11.8
12.0
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A020.d
0813A020.cdf
ZB35 PCP CCAL
UVOLTS
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
9.738
10.142
10.244
10.467
2,4,6-Tribromophenol (surr)
10.983
2,3,4,5-Tetrachlorophenol
11.333
Pentachlorophenol
9.6
9.8
10.0
10.2
10.4
10.6
10.8
11.0
11.2
11.4
11.6
11.8
12.0
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A020.d

Date : 13-AUG-2010 15:44

Client ID:

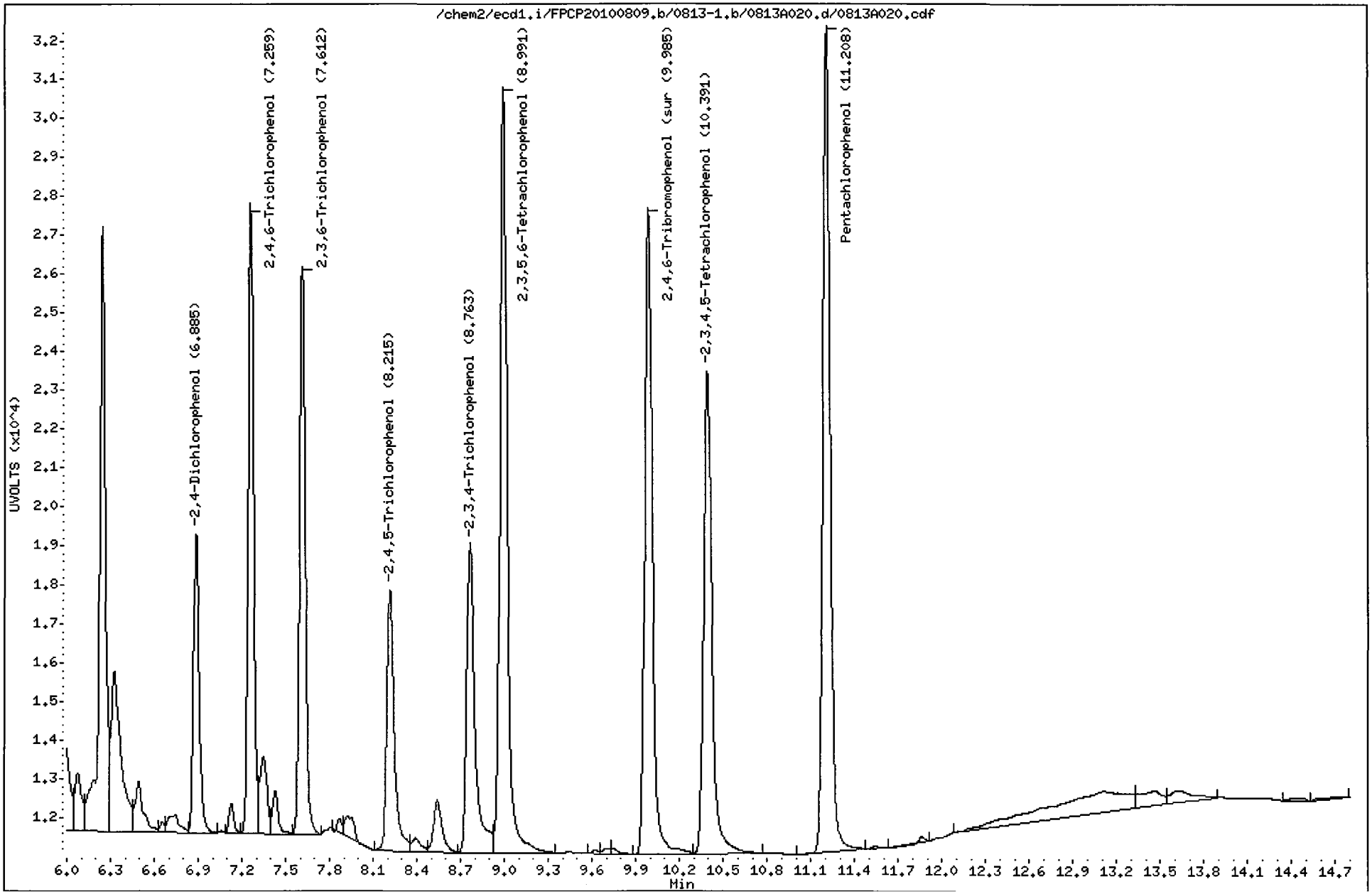
Sample Info: PCP CCAL

Instrument: ecd1.i

Operator: ar

Column phase: ZB5

Column diameter: 0.53



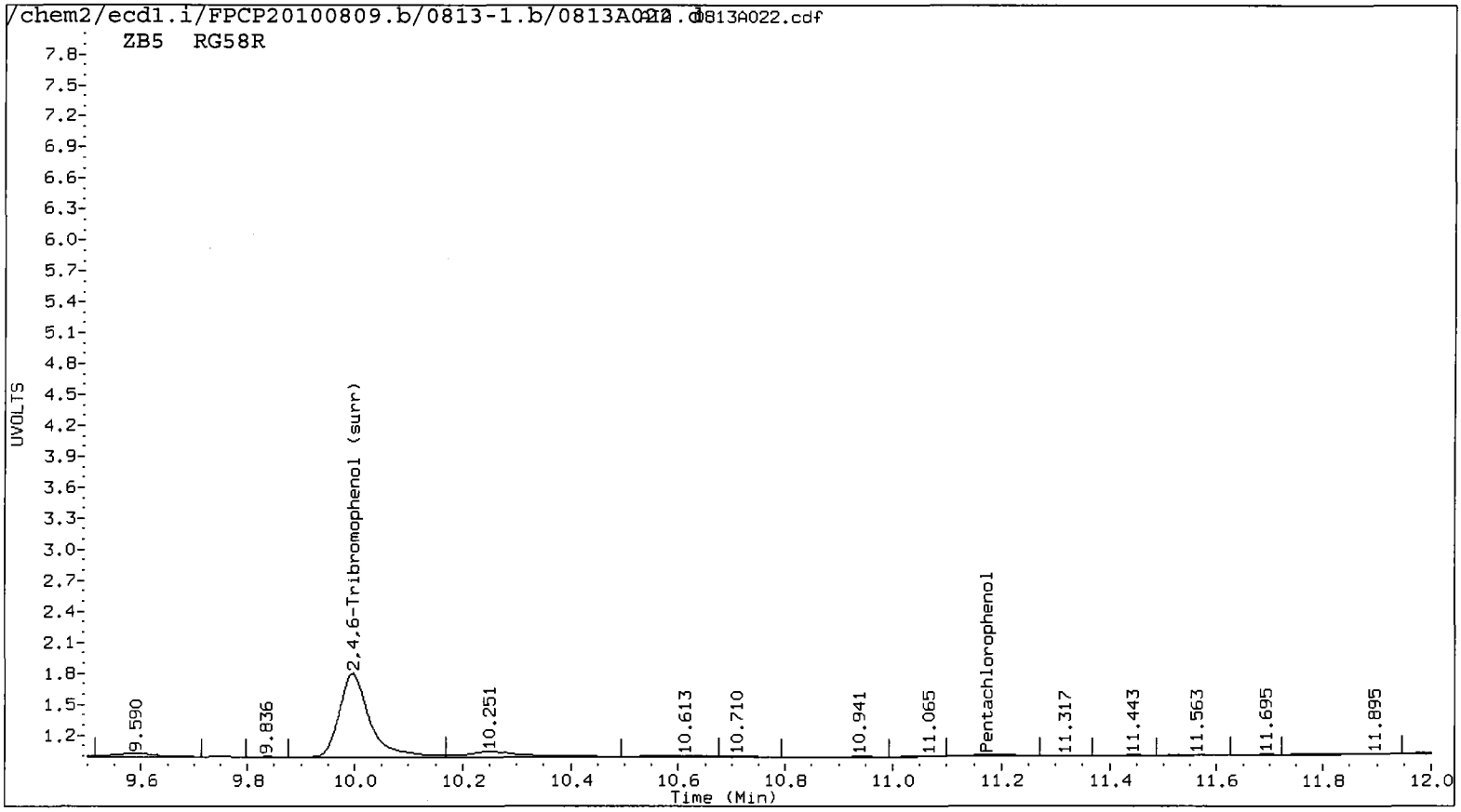
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A022.d ARI ID: RG58R
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A022.d Client ID: PSB24-14-16-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 16:24
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.172	-0.047	4090	11.654	-0.004	5160	0.2270	0.2248	1.0	Pentachlorophenol
7.283	0.019	18214	7.365	0.032	26385	1.9086	2.1134	10.2	2,4,6-Trichlorophenol
----			7.822	-0.042	5666	0.0000	0.4567	---	2,3,6-Trichlorophenol
8.294	0.052	9662	8.668	0.053	1286	1.9143	0.1791	165.8*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.021	0.014	8564	9.262	-0.015	16012	0.6072	0.8649	35.0	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.169	0.003	10431	0.0000	14.0359	---	2,4-Dichlorophenol
9.996	-0.006	162733	10.634	-0.012	240754	12.5	12.9	3.2	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	50.0	51.6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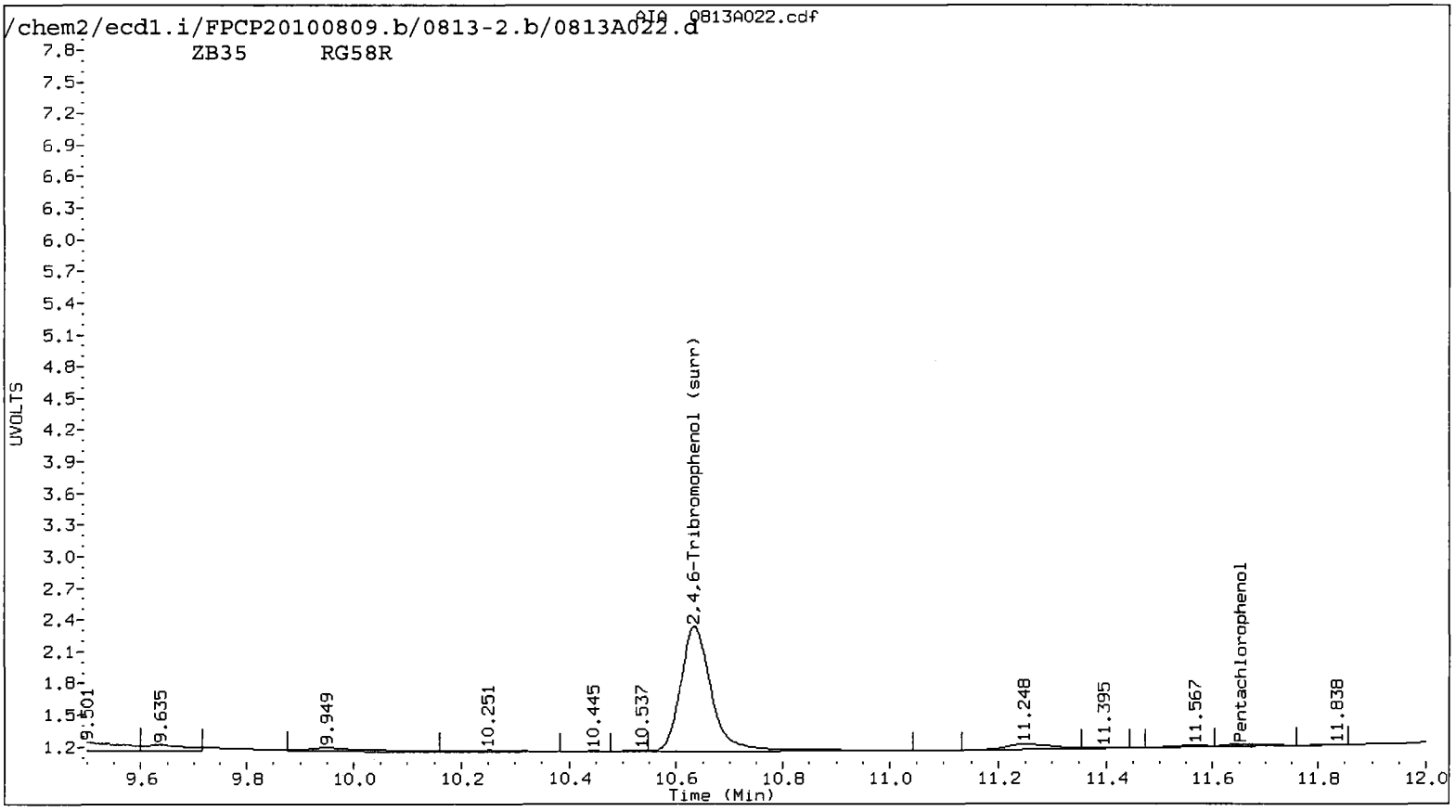
0813A022.cdf
ZB5 RG58R
UVOLTS
2,4,6-Tribromophenol (surr)
Pentachlorophenol
9.590
9.836
10.251
10.613
10.710
10.941
11.065
11.317
11.443
11.563
11.695
11.895
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A022.d
0813A022.cdf
ZB35 RG58R
UVOLTS
2,4,6-Tribromophenol (surr)
Pentachlorophenol
9.501
9.635
9.949
10.251
10.445
10.537
11.248
11.395
11.567
11.838
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A022.d

Date : 13-AUG-2010 16:24

Client ID: PSB24-14-16-072910

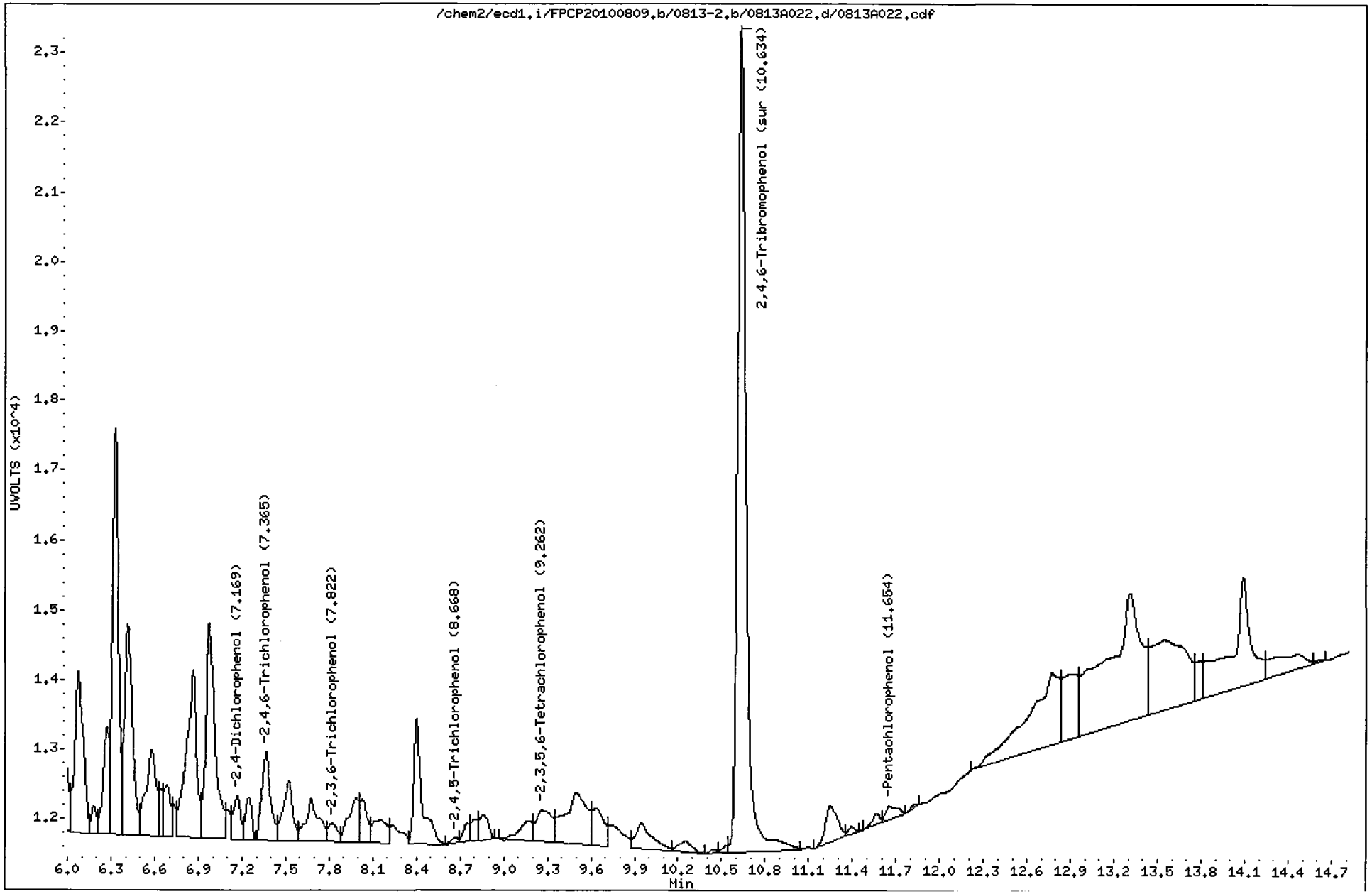
Instrument: ecd1.i

Sample Info: RG58R

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 09958

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A022.d

Date : 13-AUG-2010 16:24

Client ID: PSB24-14-16-072910

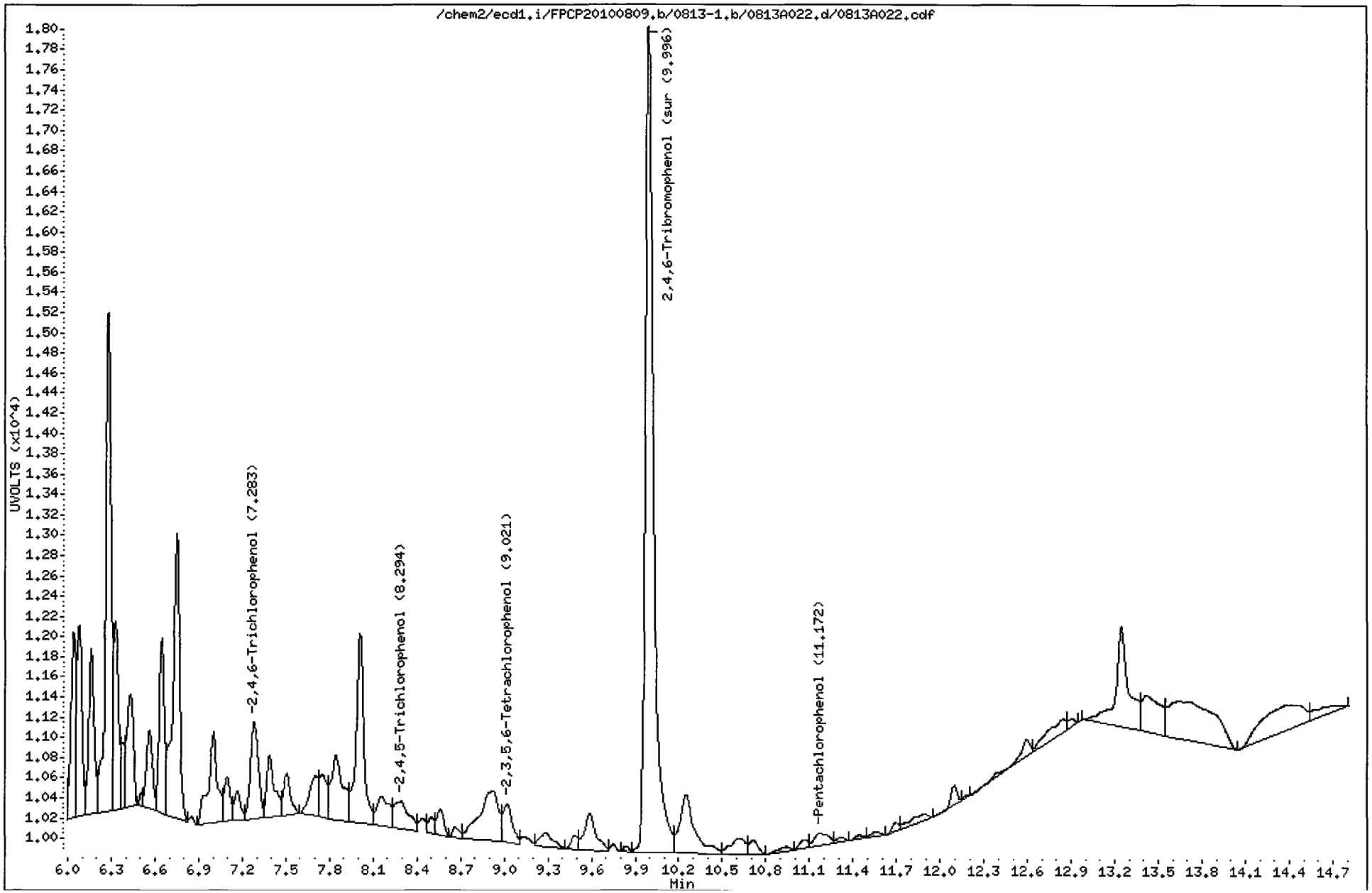
Instrument: ecd1.i

Sample Info: RG58R

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 00959

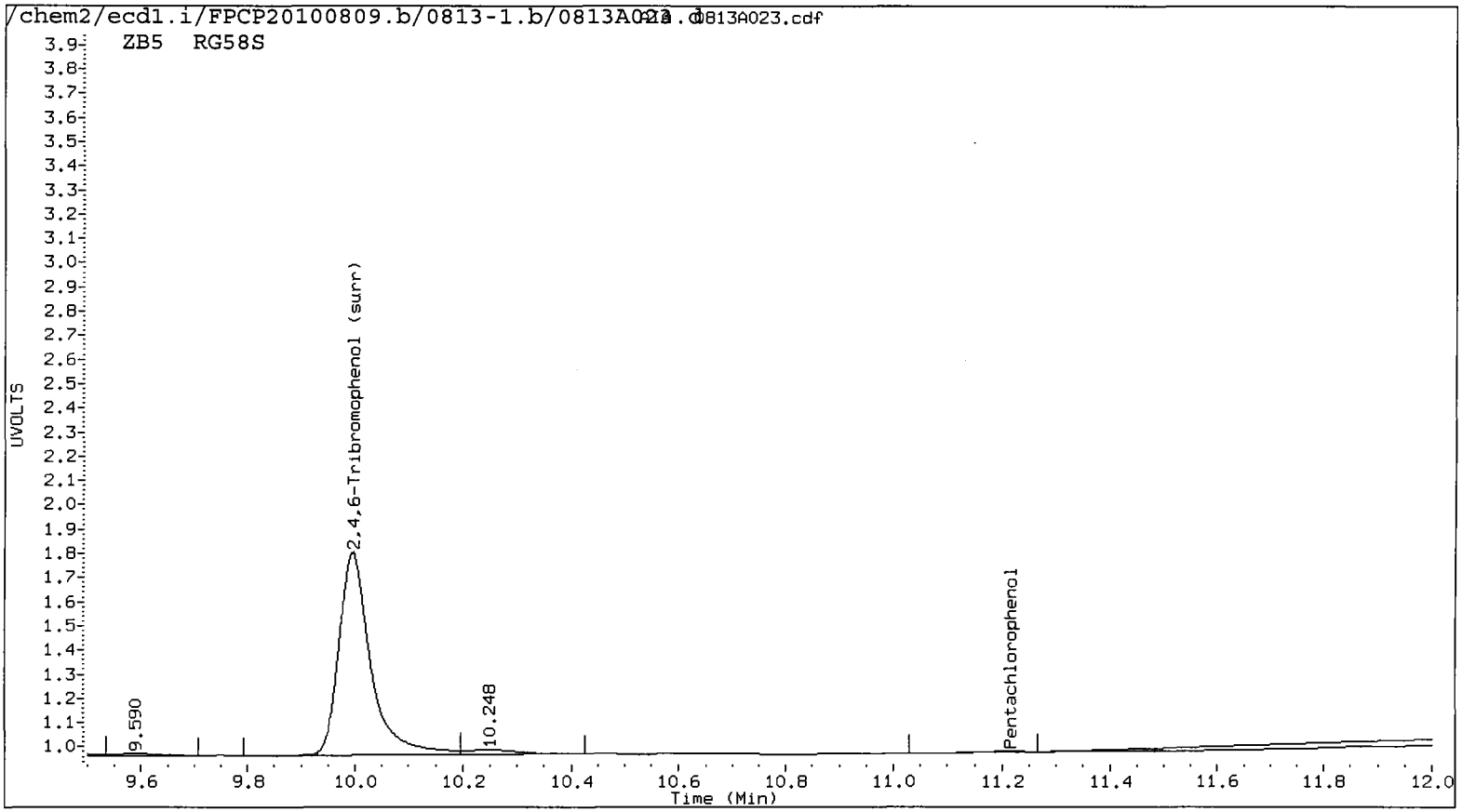
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A023.d ARI ID: RG58S
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A023.d Client ID: PSB24-16-17-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 16:44
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.217	-0.002	1415	11.716	0.058	1053	0.0785	0.0459	52.4*	Pentachlorophenol
7.281	0.017	10991	7.365	0.032	8659	1.1462	0.6936	49.2*	2,4,6-Trichlorophenol
----			7.811	-0.053	2219	0.0000	0.1788	---	2,3,6-Trichlorophenol
8.291	0.049	4996	8.673	0.058	589	0.9898	0.0820	169.4*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
----			9.264	-0.013	1051	0.0000	0.0568	---	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.171	0.005	6121	0.0000	8.1860	---	2,4-Dichlorophenol
9.996	-0.006	173431	10.633	-0.013	250174	13.4	13.4	0.3	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	53.5	53.6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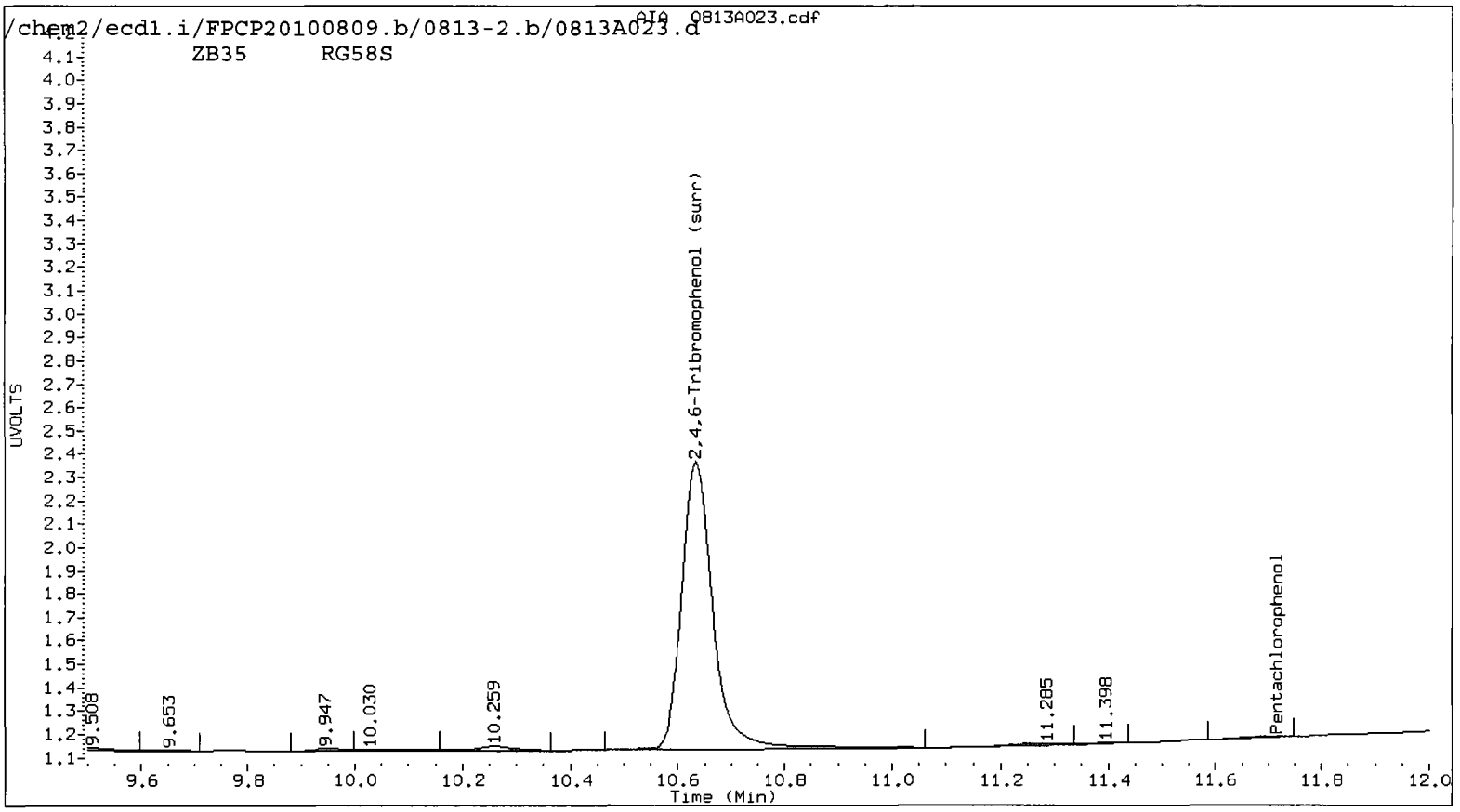
0813A023.cdf
ZB5 RG58S
UVOLTS
2,4,6-Tribromophenol (surr)
9.590
10.248
Pentachlorophenol
Time (Min)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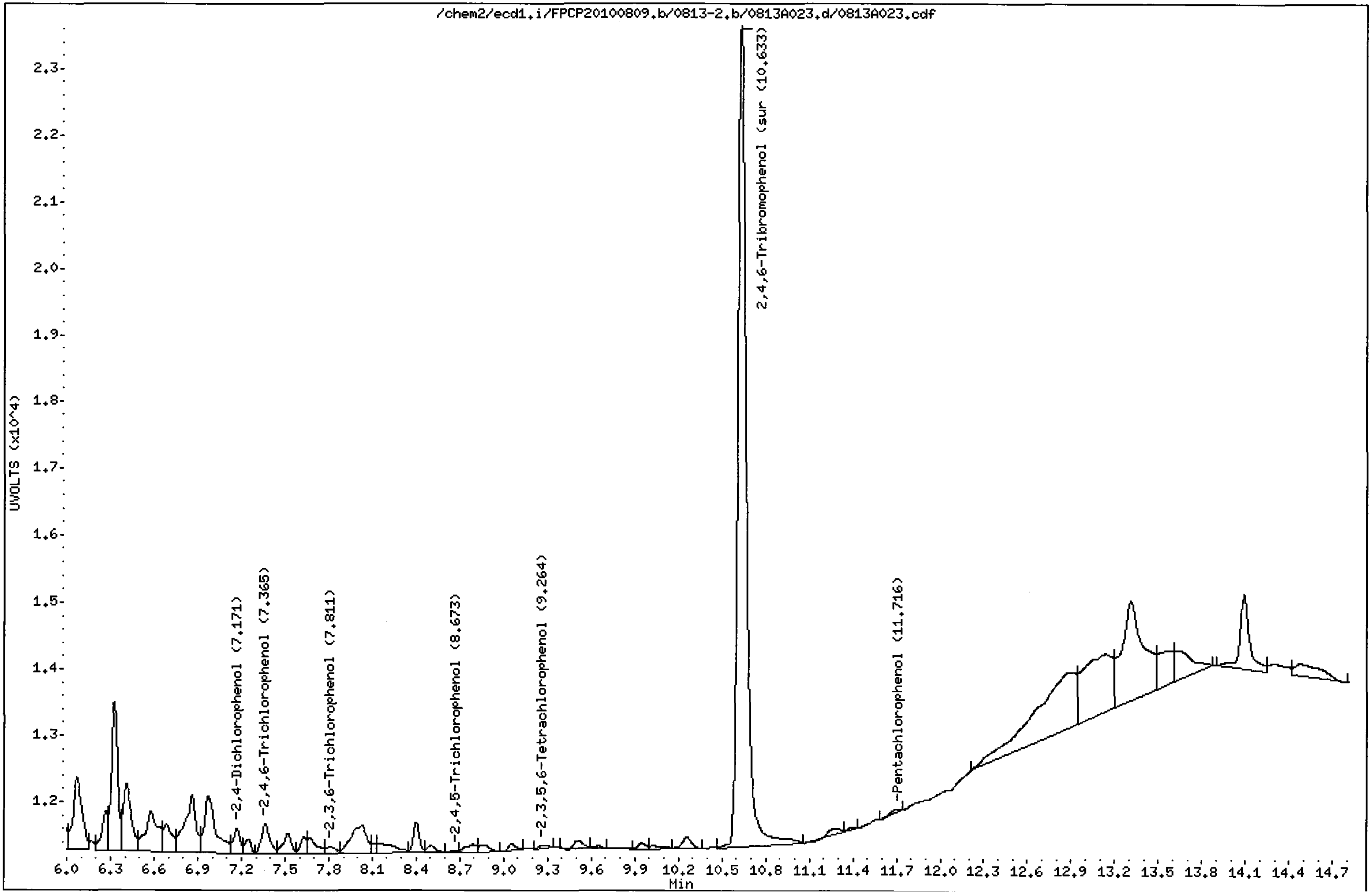
0813A023.cdf
ZB35 RG58S
UVOLTS
2,4,6-Tribromophenol (surr)
9.508
9.653
9.947
10.030
10.259
11.285
11.398
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A023.d
Date : 13-AUG-2010 16:44
Client ID: PSB24-16-17-072910
Sample Info: RG58S

Column phase: ZB35

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



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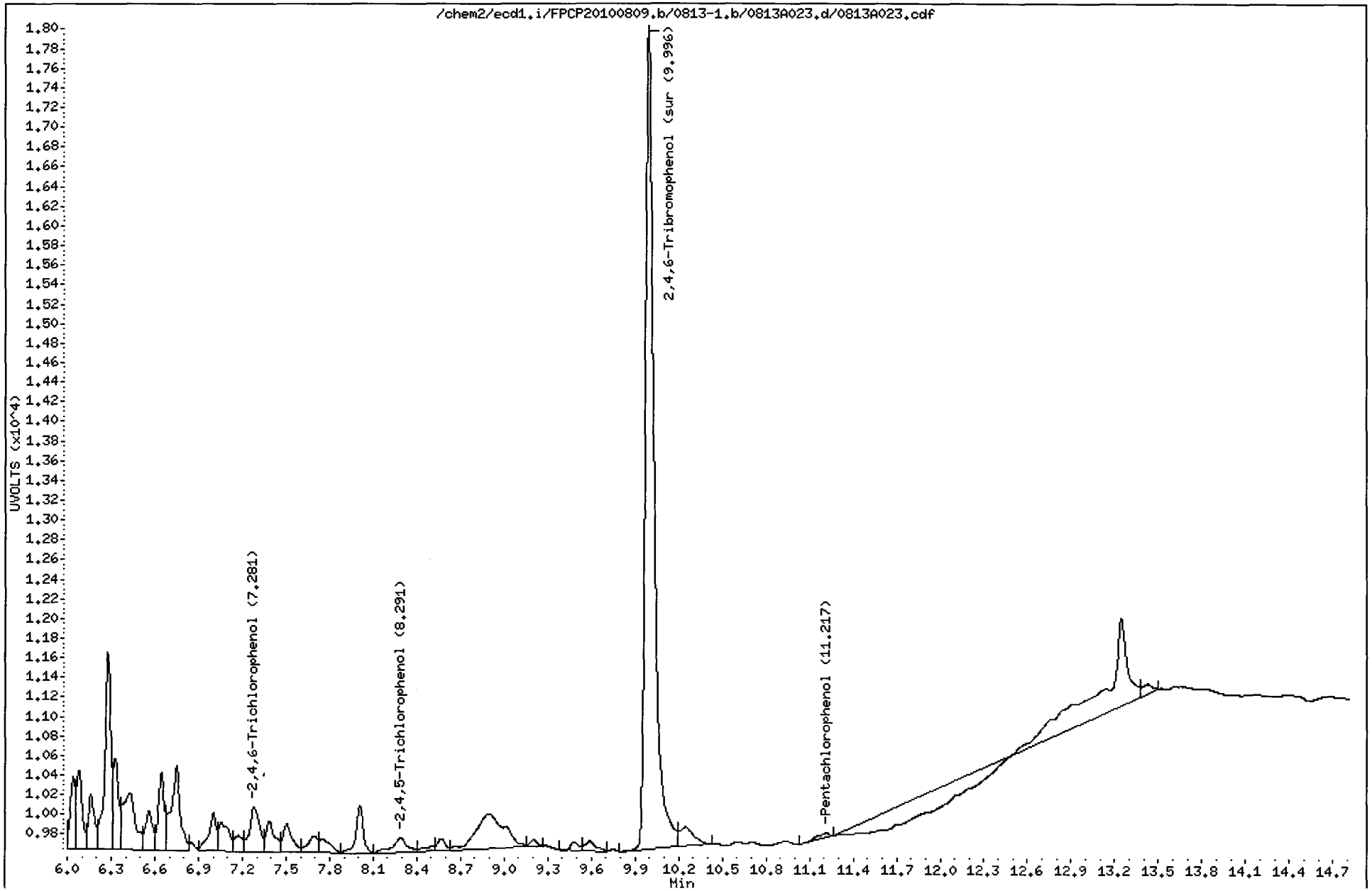
Date : 13-AUG-2010 16:44
Client ID: PSB24-16-17-072910
Sample Info: RG58S

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 09963

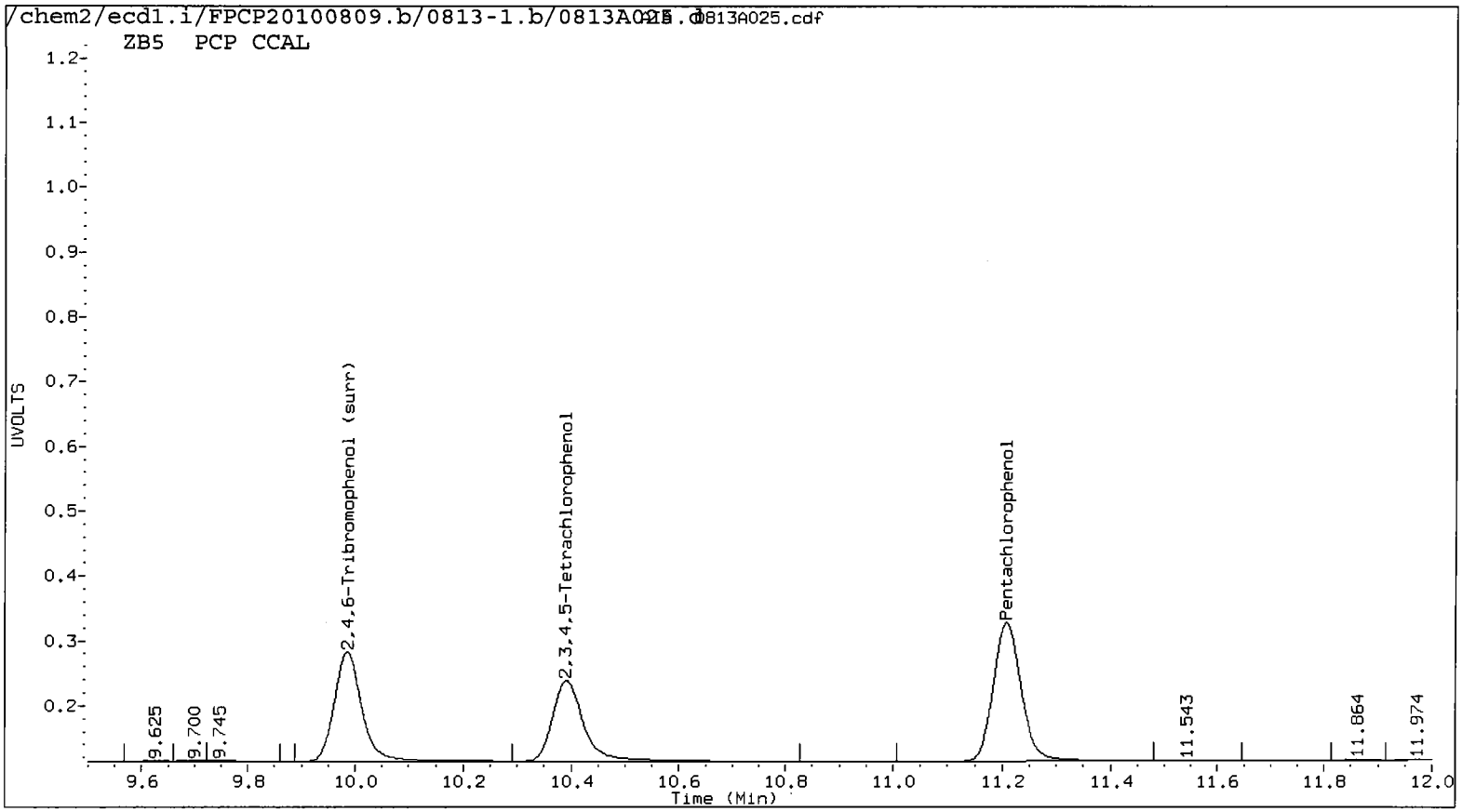
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

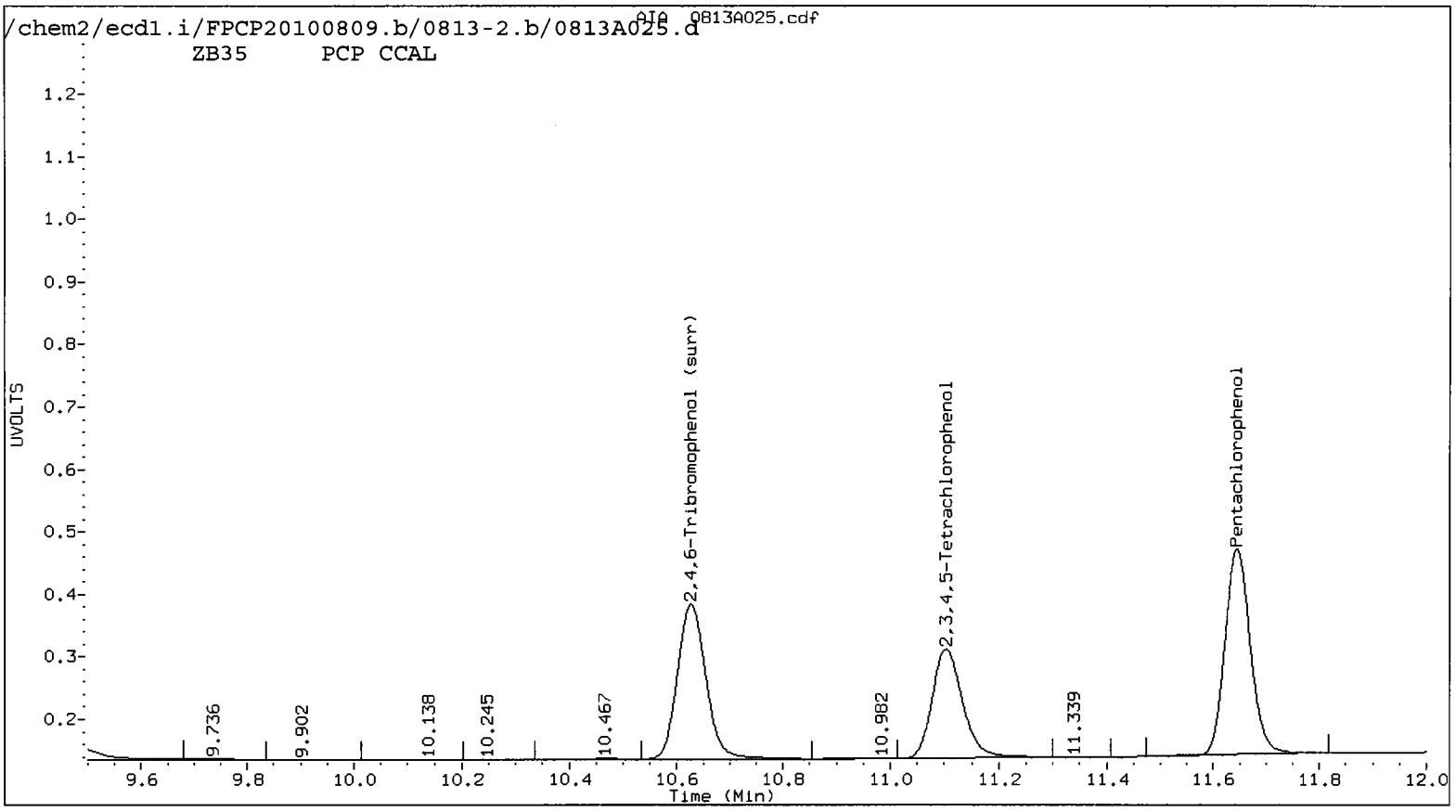
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A025.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0813-2.b/0813A025.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 13-AUG-2010 17:24
Compound Sublist: all Report Date: 08/20/2010 15:29
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.208	-0.011	383226	11.645	-0.013	549843	24.7200	23.9464	3.2	Pentachlorophenol
7.259	-0.005	213750	7.327	-0.006	327596	25.3519	26.2400	3.4	2,4,6-Trichlorophenol
7.612	-0.007	204943	7.855	-0.009	301029	23.0838	24.2598	5.0	2,3,6-Trichlorophenol
8.214	-0.028	124918	8.587	-0.028	160813	24.7484	25.8360	4.3	2,4,5-Trichlorophenol
8.764	-0.028	160568	9.352	-0.028	210568	23.4711	24.8738	5.8	2,3,4-Trichlorophenol
8.991	-0.016	340347	9.257	-0.020	464958	24.1285	25.1127	4.0	2,3,5,6-Tetrachlorophenol
10.391	-0.022	254656	11.103	-0.023	343260	24.6479	23.5259	4.7	2,3,4,5-Tetrachlorophenol
6.884	-0.009	112964	7.154	-0.012	155473	226.9403	251.7564	10.4	2,4-Dichlorophenol
9.985	-0.017	306195	10.627	-0.019	460431	24.8	24.7	0.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	98.9	95.8
2,4,6-Trichlorophenol	101.4	105.0
2,3,6-Trichlorophenol	92.3	97.0
2,4,5-Trichlorophenol	99.0	103.3
2,3,4-Trichlorophenol	93.9	99.5
2,3,5,6-Tetrachlorophenol	96.5	100.5
2,3,4,5-Tetrachlorophenol	98.6	94.1
2,4-Dichlorophenol	90.8	100.7
2,4,6-TBP (surr)	99.1	98.7


/chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A025.d
0813A025.cdf
ZB5 PCP CCAL
UVOLTS
Time (Min)
9.625
9.700
9.745
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
11.543
11.864
11.974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0813A025.cdf
ZB35 PCP CCAL
UVOLTS
Time (Min)
9.736
9.902
10.138
10.245
10.467
2,4,6-Tribromophenol (surr)
10.982
2,3,4,5-Tetrachlorophenol
11.339
Pentachlorophenol

Data File: /chem2/ecd1.i/FPCP20100809.b/0813-1.b/0813A025.d

Date : 13-AUG-2010 17:24

Client ID:

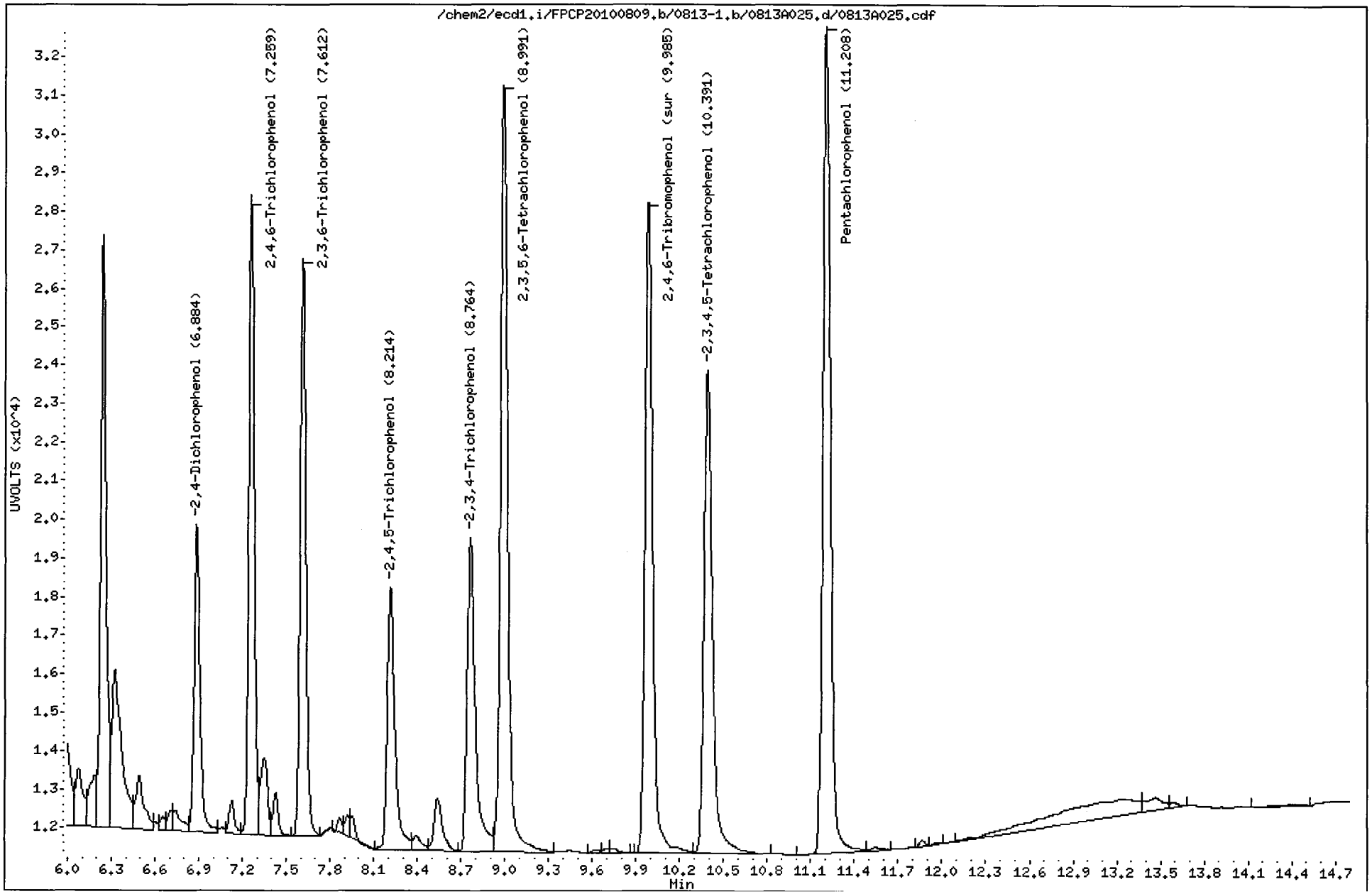
Sample Info: PCP CCAL

Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



Analytical Resources Inc.: Organics Instrument Log

ECD1 Serial No.: 3410A39690

Date: 8/16/2010 Analysis: Cl. Phenols Analyst: JZ

GC Program: PCPFAST.M Column No: 150608/148146 Column Type: 225/35

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

Calibration File: FPCP20100809.b Curve Date: 8/9/2010

IS/SS	Ical/Ccal	LCS/ICV
	1663-2 & 1739-1	1703-2 & 1731-2

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/0816-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	16-AUG-2010 16:23	0816A001.d	1	PRIMER	
2	16-AUG-2010 16:43	0816A002.d	1	PRIMER	
3	16-AUG-2010 17:03	0816A003.d	1	PRIMER	
4	16-AUG-2010 17:23	0816A004.d	1	PCP CCAL	
5	16-AUG-2010 17:43	0816A005.d	1	RG58D	
6	16-AUG-2010 18:03	0816A006.d	1	RG58E	
7	16-AUG-2010 18:23	0816A007.d	1	RG58F	
8	16-AUG-2010 18:43	0816A008.d	1	RG58G	
9	16-AUG-2010 19:03	0816A009.d	1	RG58H	
10	16-AUG-2010 19:23	0816A010.d	1	RG58I	
11	16-AUG-2010 19:43	0816A011.d	1	RG58IMS	
12	16-AUG-2010 20:03	0816A012.d	1	PCP CCAL	
13	16-AUG-2010 20:23	0816A013.d	1	PCP CCAL	

AR 8/20/2010

Maintenance / Comments

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, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: Floyd-Snider

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): ~~25g~~ 10g/25mL EV

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 8/9/2010 Analysis Start: 8/16/2010

Endrin/DDT Breakdown <15%? YES / NO / NA Method Blank In Control? YES / NO NA

ICal Meets RF & %RSD Criteria? YES / NO LCS/LCSD Recovery In Control? YES / NO NA

CCal Meets RF & %RSD Criteria? YES / NO Surrogate Recovery In Control? YES / NO 1

Manual Integrations for ICal? YES / NO Manual Integrations for Samples? YES / NO

Internal Standard Meets Criteria? YES / NO / NA Special Analysis Criteria Met? YES / NO / NA
VDP

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

1) Very low, near lower limit.

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 8/20/2010

Reviewer: _____ **Date:** 8/23/10

Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

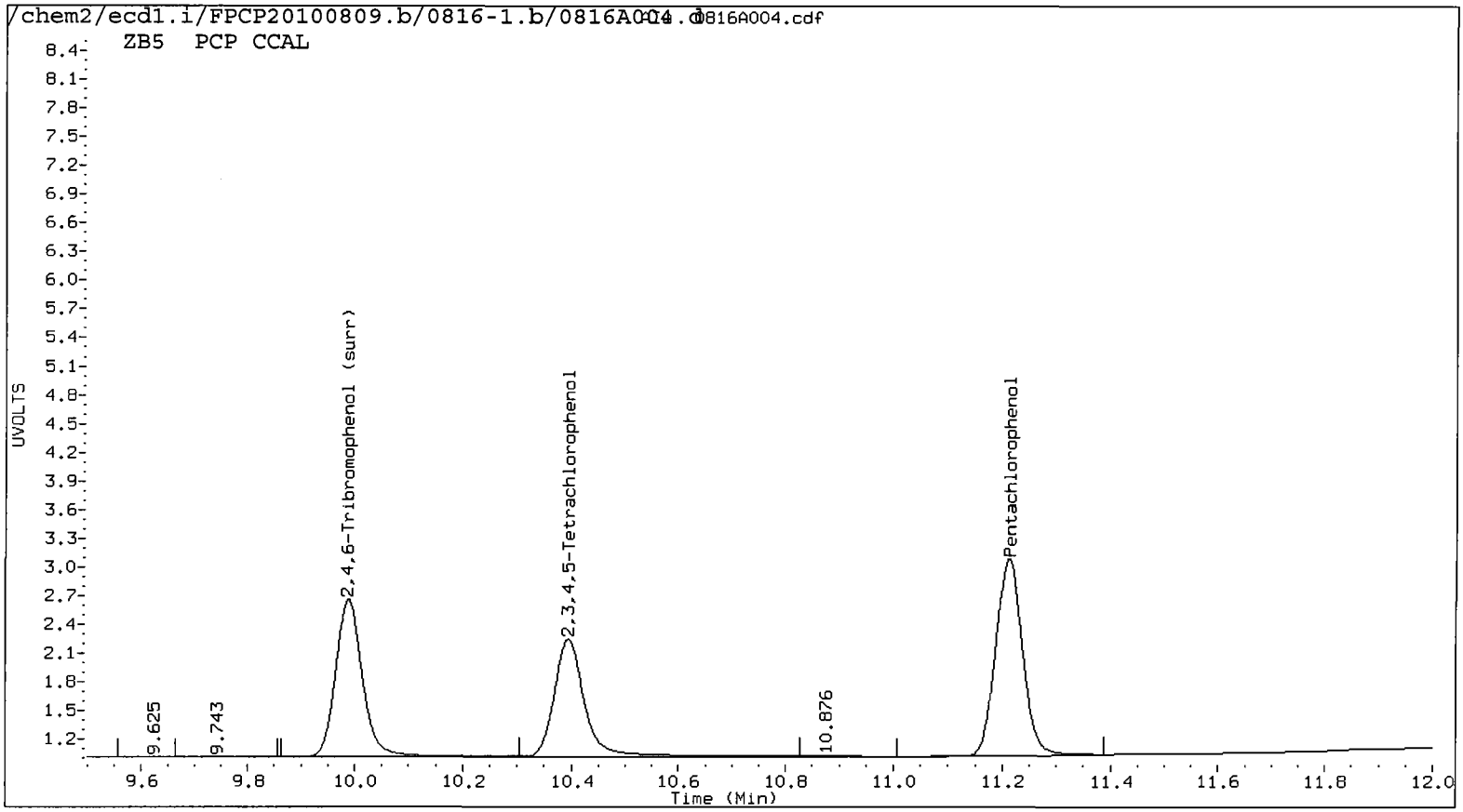
AR 8/20/2010

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A004.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A004.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 17:23
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.212	-0.007	350089	11.649	-0.009	496306	22.3070	21.6148	3.2	Pentachlorophenol
7.262	-0.002	207195	7.330	-0.003	297647	24.4785	23.8412	2.6	2,4,6-Trichlorophenol
7.615	-0.004	198951	7.858	-0.006	281347	22.3455	22.6737	1.5	2,3,6-Trichlorophenol
8.216	-0.026	116833	8.589	-0.026	150362	23.1467	23.9461	3.4	2,4,5-Trichlorophenol
8.765	-0.027	185690	9.354	-0.026	201601	27.1434	23.6866	13.6	2,3,4-Trichlorophenol
8.995	-0.012	322110	9.261	-0.016	456582	22.8356	24.6604	7.7	2,3,5,6-Tetrachlorophenol
10.394	-0.019	242024	11.106	-0.020	307816	23.2160	21.0967	9.6	2,3,4,5-Tetrachlorophenol
6.887	-0.006	106517	7.157	-0.009	142171	211.2000	226.6473	7.1	2,4-Dichlorophenol
9.988	-0.014	290082	10.630	-0.016	419935	23.3	22.5	3.7	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	89.2	86.5
2,4,6-Trichlorophenol	97.9	95.4
2,3,6-Trichlorophenol	89.4	90.7
2,4,5-Trichlorophenol	92.6	95.8
2,3,4-Trichlorophenol	108.6	94.7
2,3,5,6-Tetrachlorophenol	91.3	98.6
2,3,4,5-Tetrachlorophenol	92.9	84.4
2,4-Dichlorophenol	84.5	90.7
2,4,6-TBP (surr)	93.3	90.0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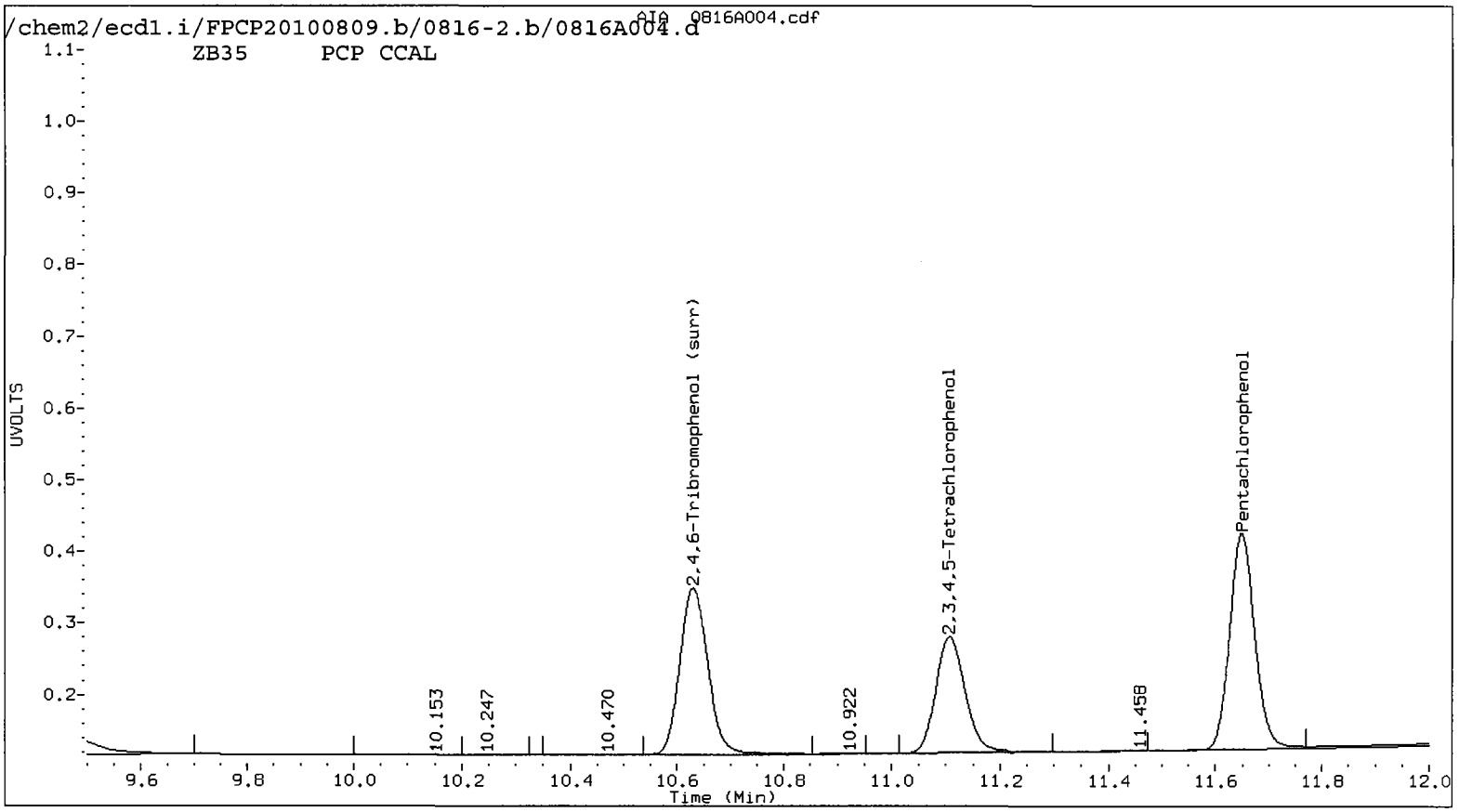
0816A004.cdf
ZB5 PCP CCAL
UVOLTS
Time (Min)
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.625
9.743
10.876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0816A004.cdf
ZB35 PCP CCAL
UVOLTS
Time (Min)
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
10.153
10.247
10.470
10.922
11.458

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A004.d

Page 1

Date : 16-AUG-2010 17:23

Client ID:

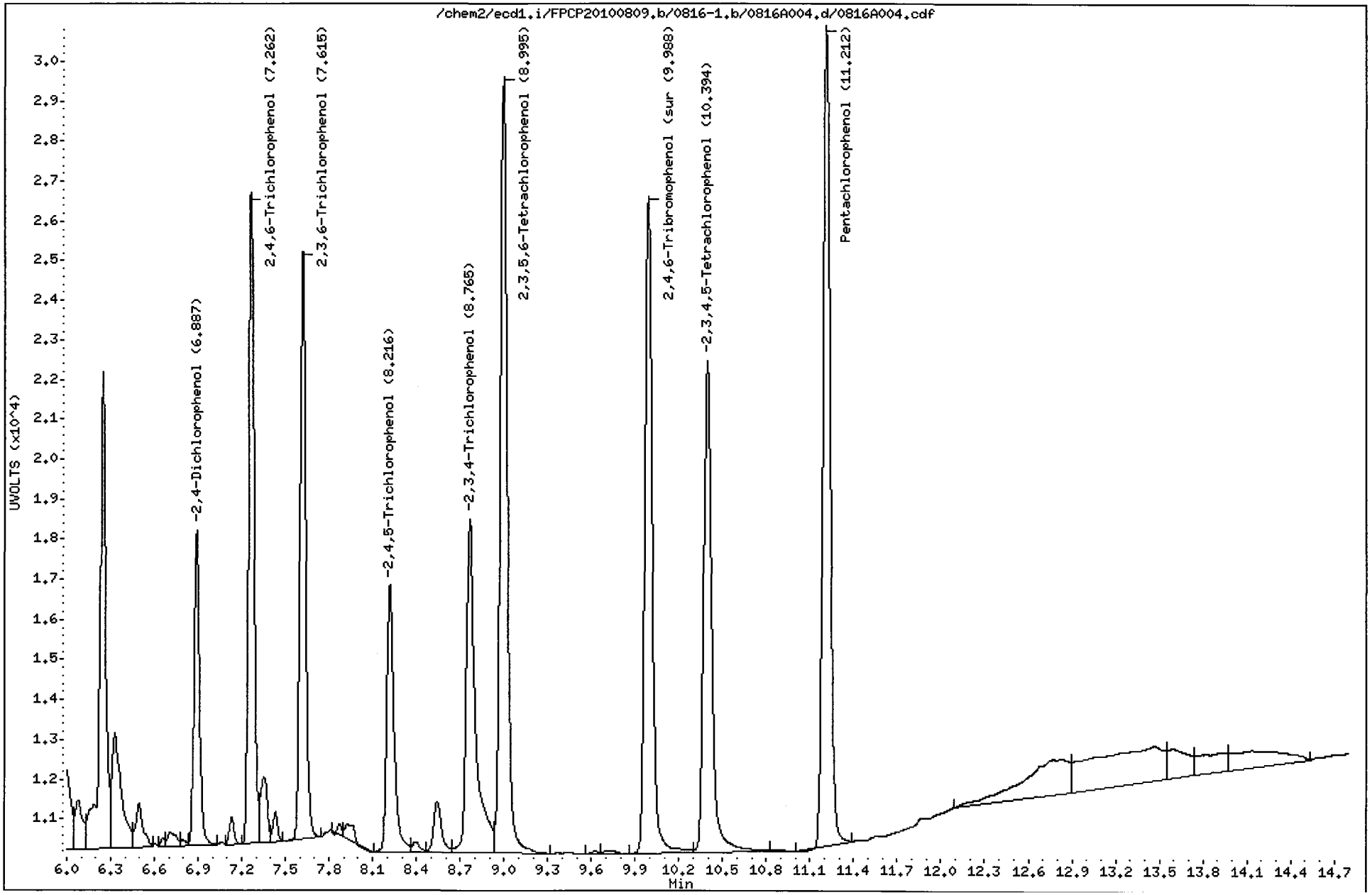
Instrument: ecd1.i

Sample Info: PCP CCAL

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 00971

Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

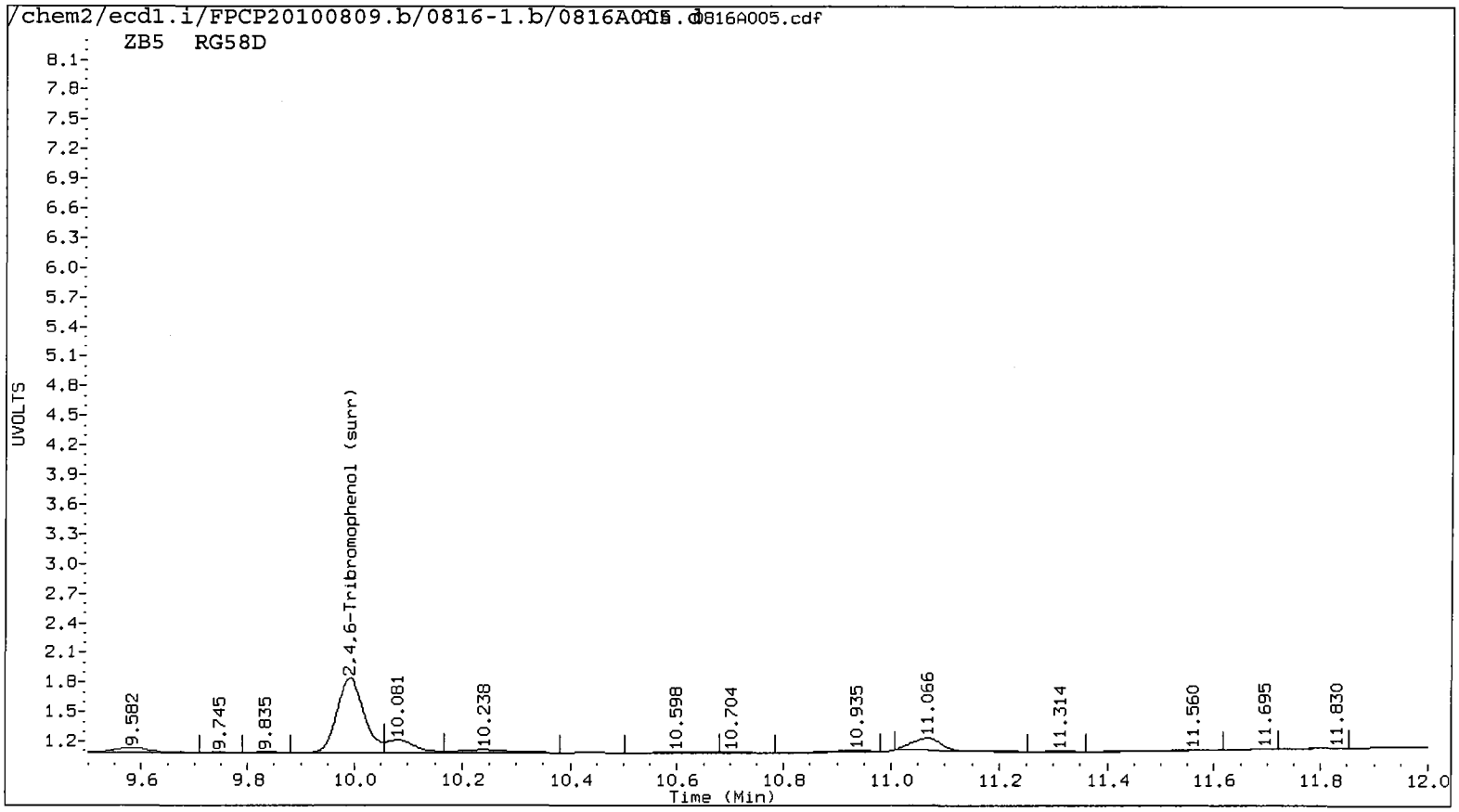
AR 8/20/2010

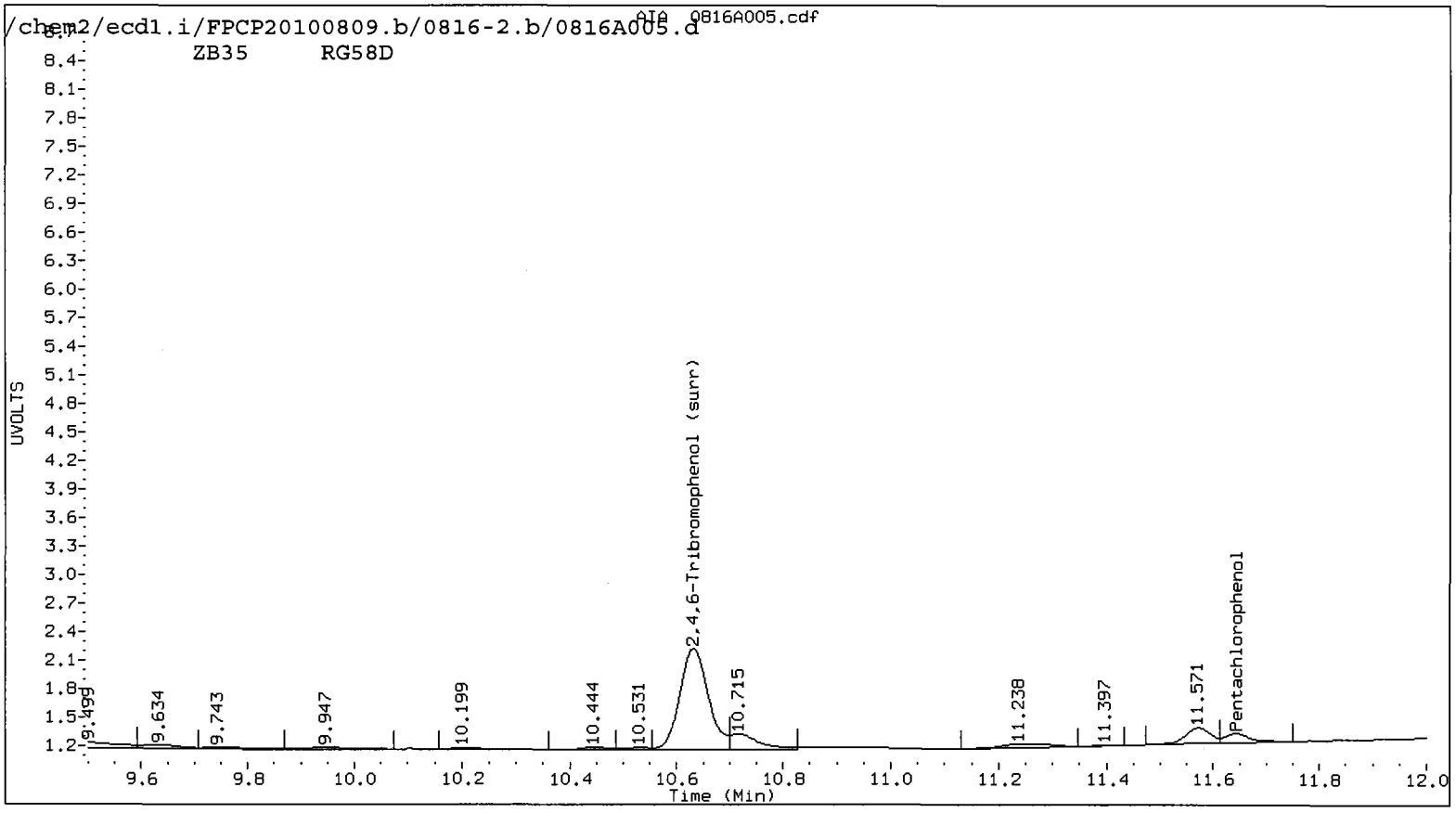
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A005.d ARI ID: RG58D
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A005.d Client ID: PSB22-4-6-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 17:43
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
----			11.643	-0.015	16113	0.0000	0.7018	---	Pentachlorophenol
7.282	0.018	20961	7.365	0.032	28208	2.2005	2.2595	2.6	2,4,6-Trichlorophenol
----			7.814	-0.050	7828	0.0000	0.6309	---	2,3,6-Trichlorophenol
8.263	0.021	2941	----			0.5827	0.0000	---	2,4,5-Trichlorophenol
----			9.368	-0.012	5199	0.0000	0.5386	---	2,3,4-Trichlorophenol
9.013	0.006	23360	9.259	-0.018	19921	1.6561	1.0760	42.5*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.170	0.004	11690	0.0000	15.7579	---	2,4-Dichlorophenol
9.991	-0.011	135600	10.631	-0.015	196019	10.3	10.5	1.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	41.2	42.0


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A005.d
0816A005.cdf
ZB5 RG58D
UVOLTS
Time (Min)
2,4,6-Tribromophenol (surr)
9.582
9.745
9.835
10.081
10.238
10.598
10.704
10.935
11.066
11.314
11.560
11.695
11.830


/chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A005.d
0816A005.cdf
ZB35 RG58D
UVOLTS
Time (Min)
2,4,6-Tribromophenol (surr)
9.499
9.634
9.743
9.947
10.199
10.444
10.531
10.715
11.238
11.397
11.571
Pentachlorophenol

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A005.d

Page 1

Date : 16-AUG-2010 17:43

Client ID: PSB22-4-6-072910

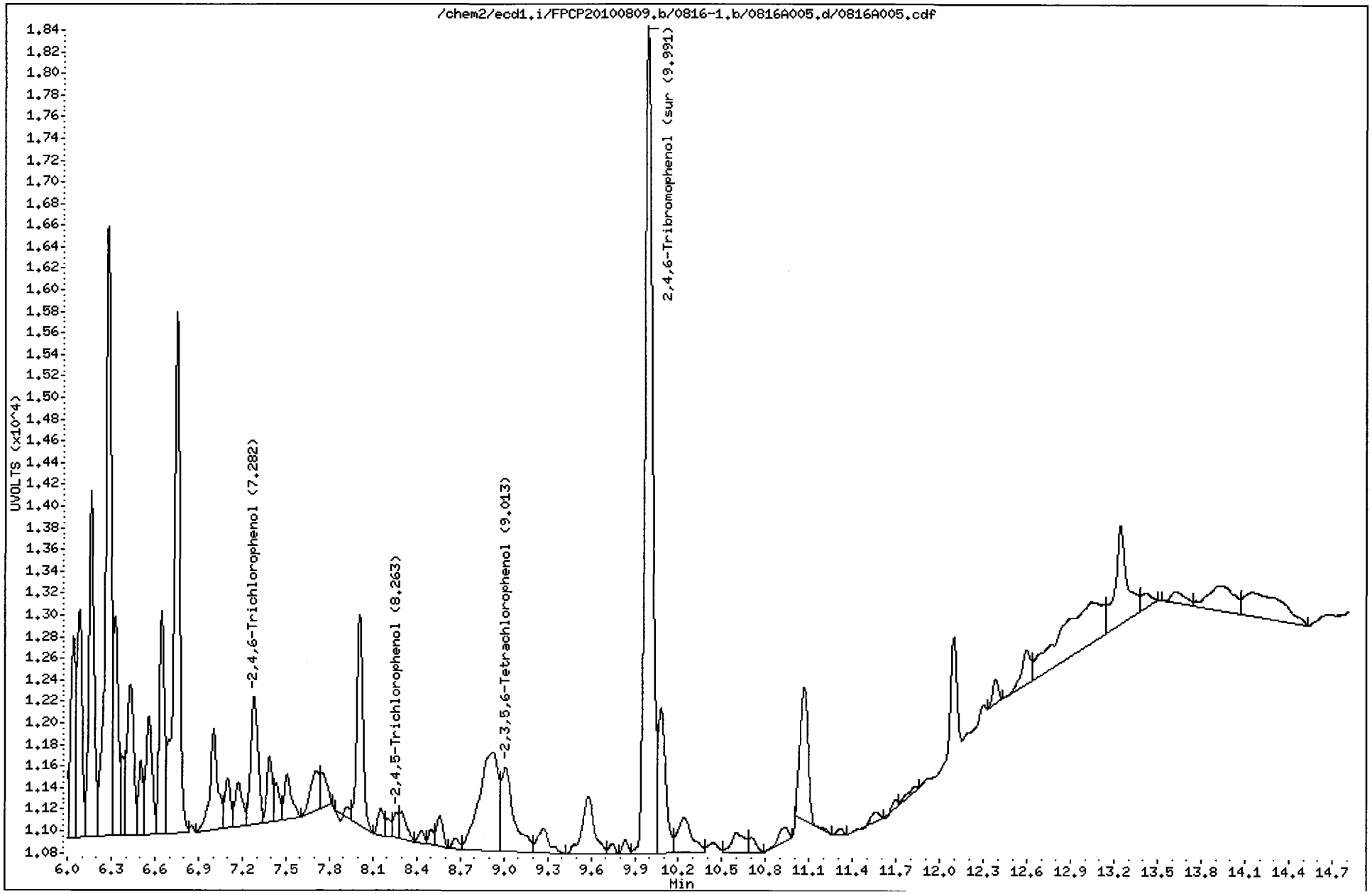
Instrument: ecd1.i

Sample Info: RG58D

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 09974

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A005.d

Page 1

Date : 16-AUG-2010 17:43

Client ID: PSB22-4-6-072910

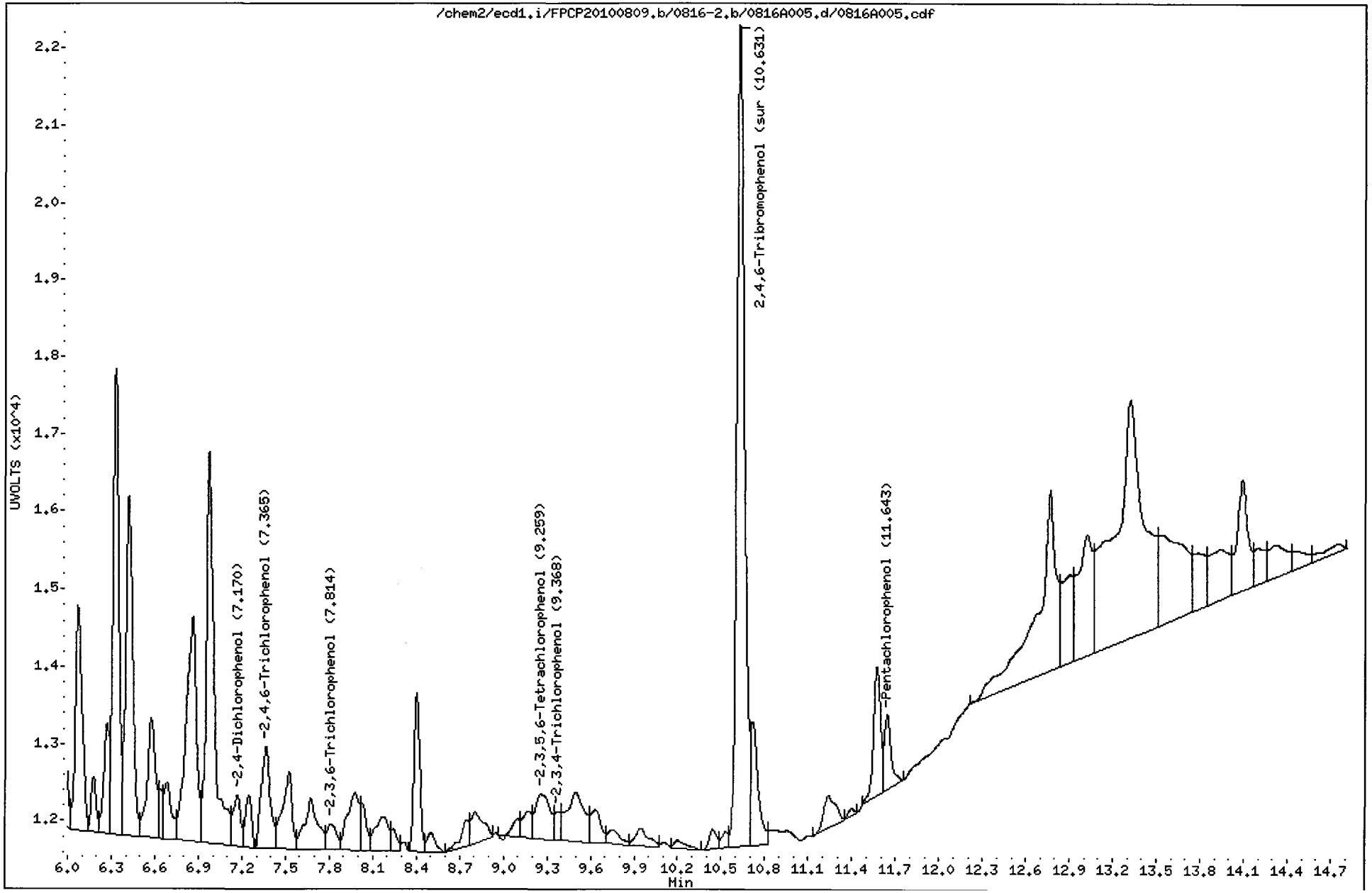
Instrument: ecd1.i

Sample Info: RG58D

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 09975

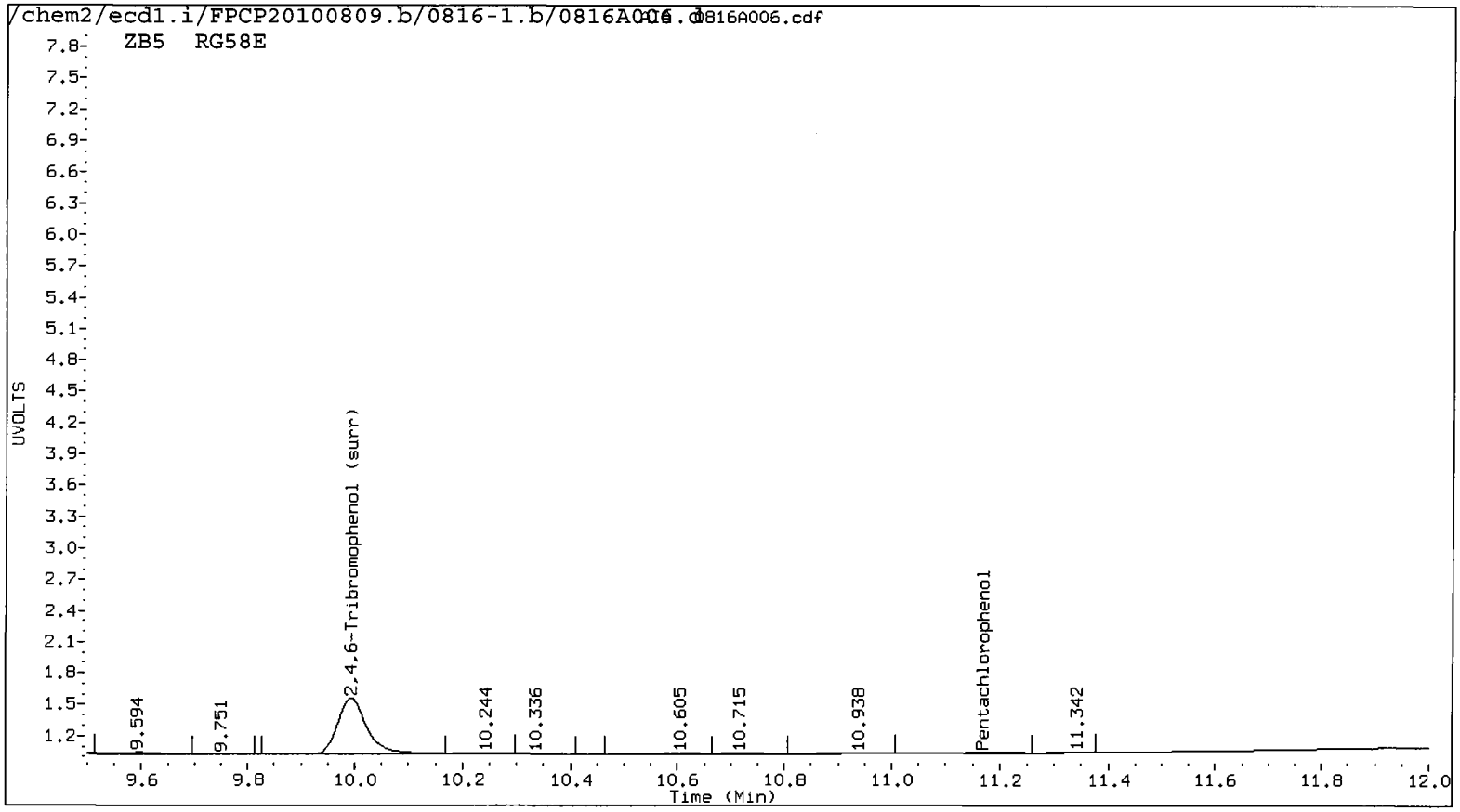
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

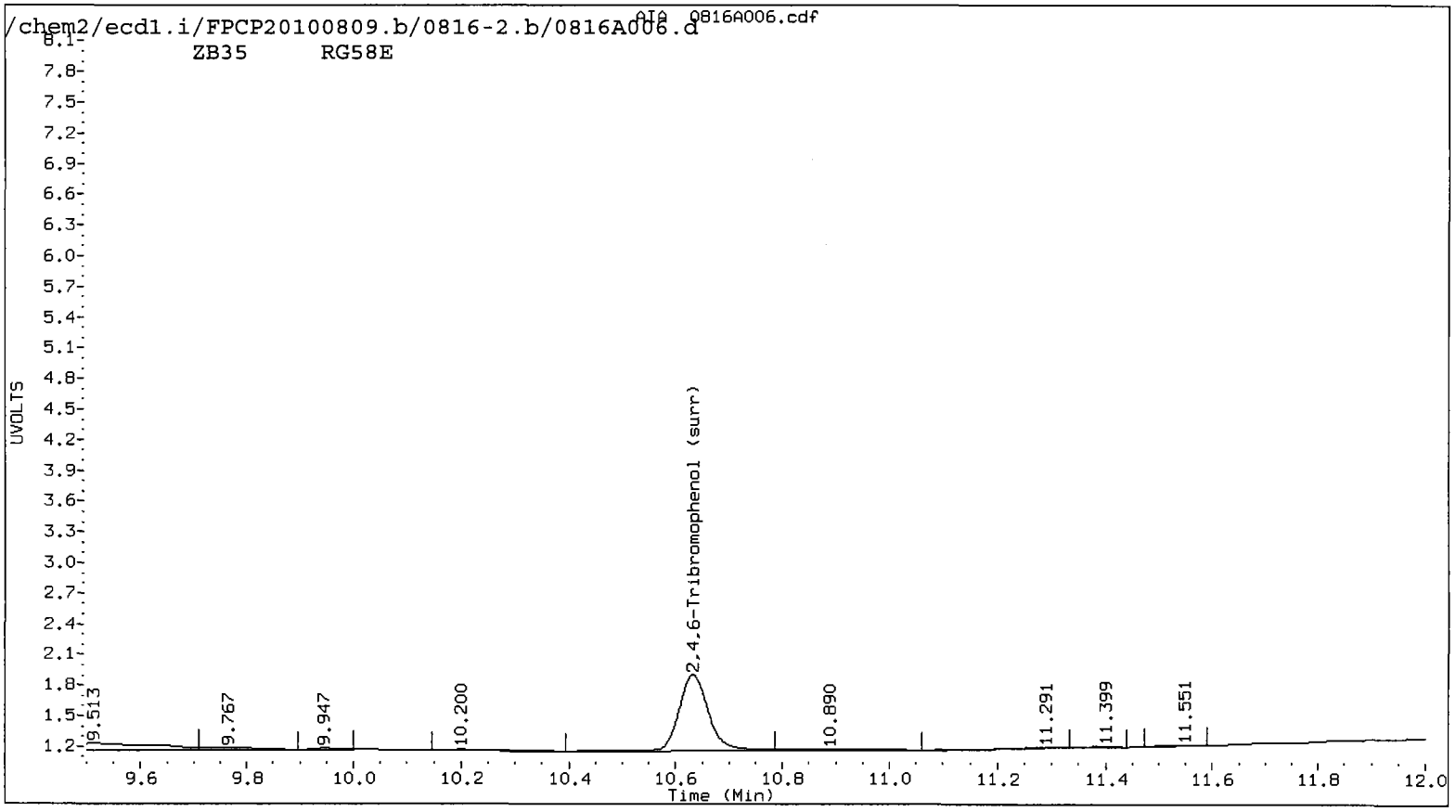
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A006.d ARI ID: RG58E
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A006.d Client ID: PSB22-17-19-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 18:03
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.170	-0.049	1976	----			0.1096	0.0000	---	Pentachlorophenol
7.286	0.022	17799	7.367	0.034	24320	1.8646	1.9480	4.4	2,4,6-Trichlorophenol
----			7.825	-0.039	5452	0.0000	0.4394	---	2,3,6-Trichlorophenol
8.213	-0.029	1935	----			0.3834	0.0000	---	2,4,5-Trichlorophenol
----			9.363	-0.017	11286	0.0000	1.1741	---	2,3,4-Trichlorophenol
9.015	0.008	6813	9.262	-0.015	29356	0.4830	1.5856	106.6*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
----			7.166	0.000	10522	0.0000	14.1600	---	2,4-Dichlorophenol
9.993	-0.009	102047	10.633	-0.013	142335	7.7	7.6	0.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

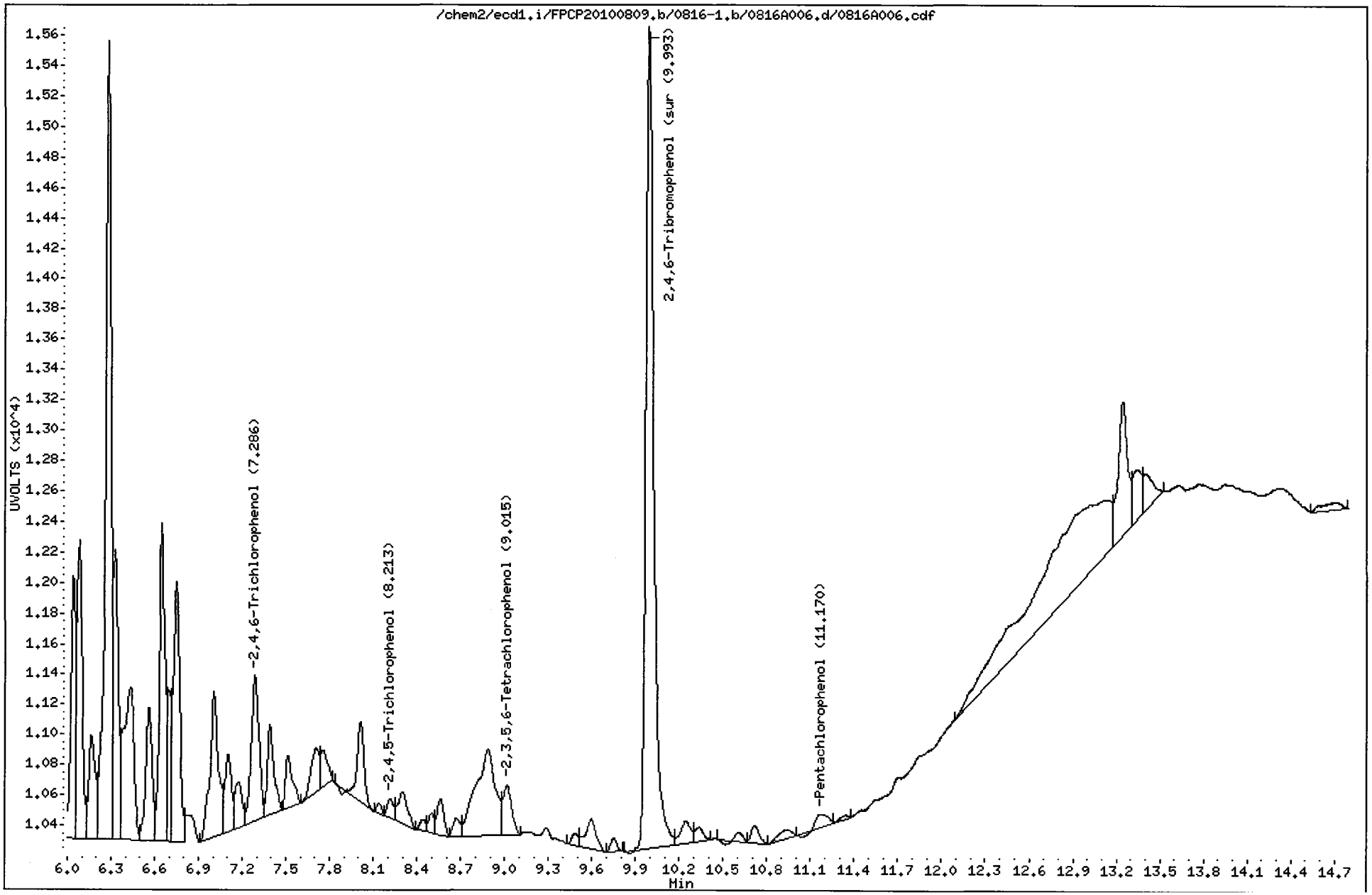
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	30.6	30.5


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A006.d
0816A006.cdf
ZB5 RG58E
UVOLTS
2,4,6-Tribromophenol (surr)
Pentachlorophenol
9.594
9.751
10.244
10.336
10.605
10.715
10.938
11.342
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A006.d
0816A006.cdf
ZB35 RG58E
UVOLTS
2,4,6-Tribromophenol (surr)
9.513
9.767
9.947
10.200
10.890
11.291
11.399
11.551
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A006.d
Date : 16-AUG-2010 18:03
Client ID: PSB22-17-19-072910
Sample Info: RG58E

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 09978

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A006.d

Page 1

Date : 16-AUG-2010 18:03

Client ID: PSB22-17-19-072910

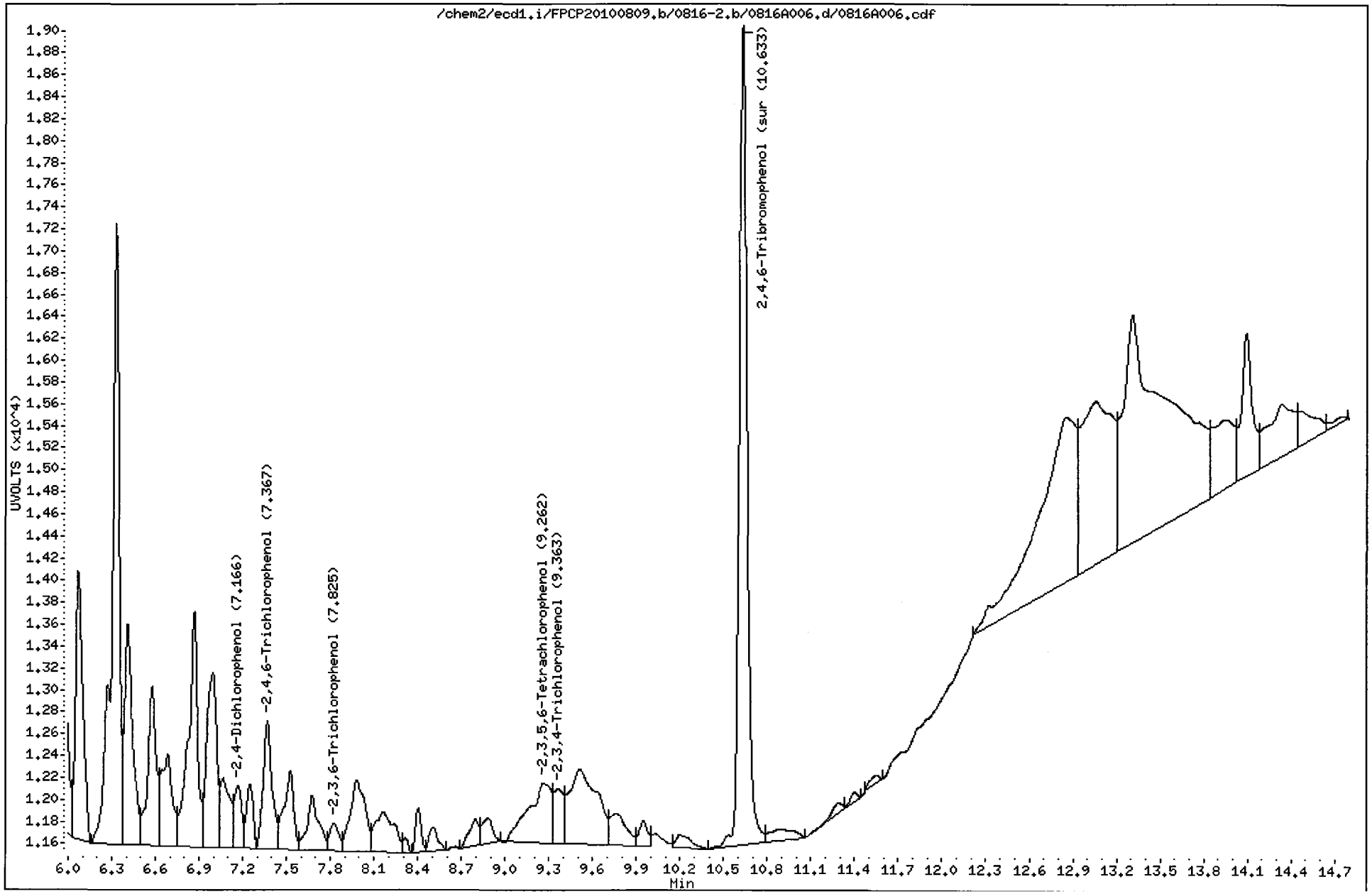
Instrument: ecd1.i

Sample Info: RG58E

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 009779

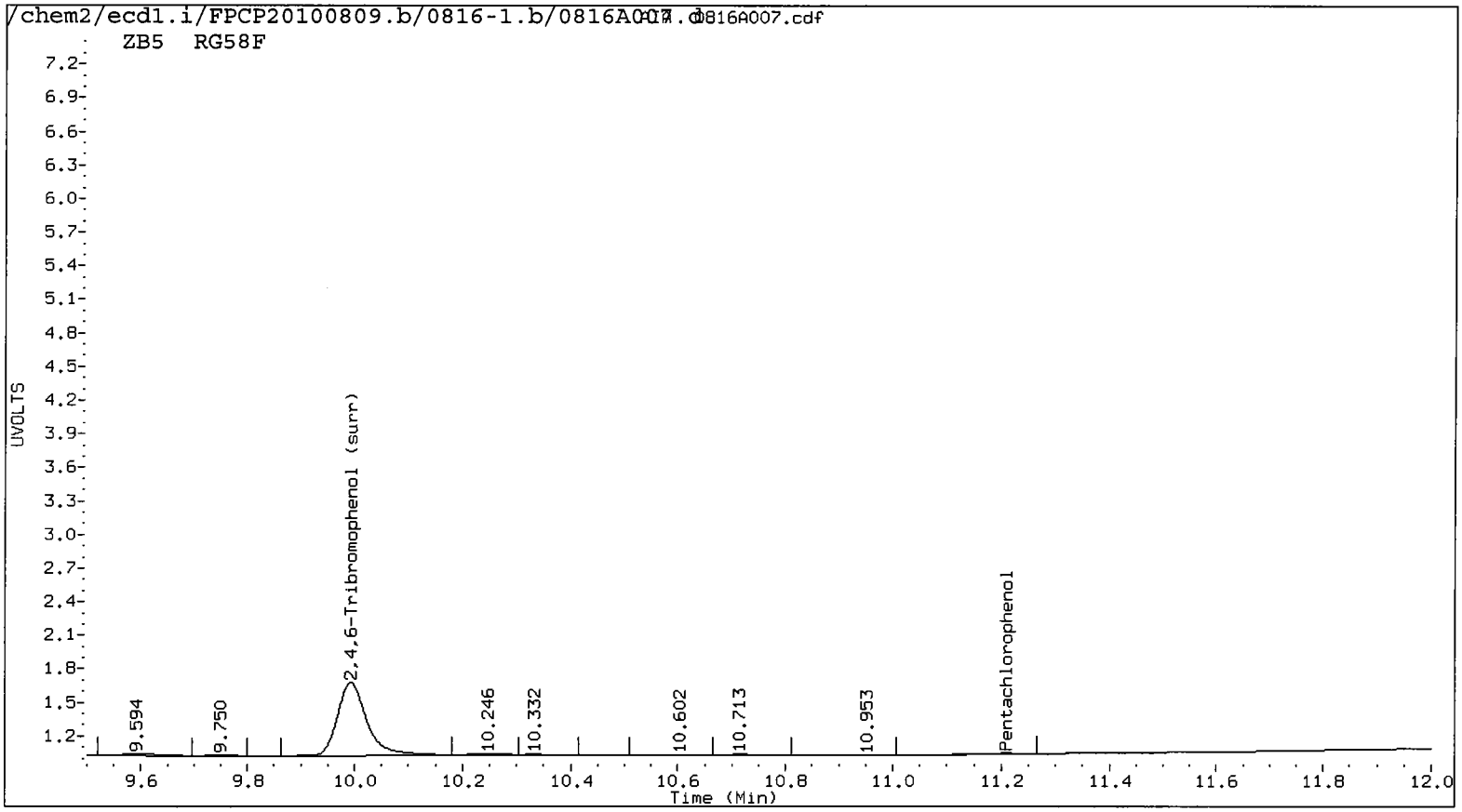
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

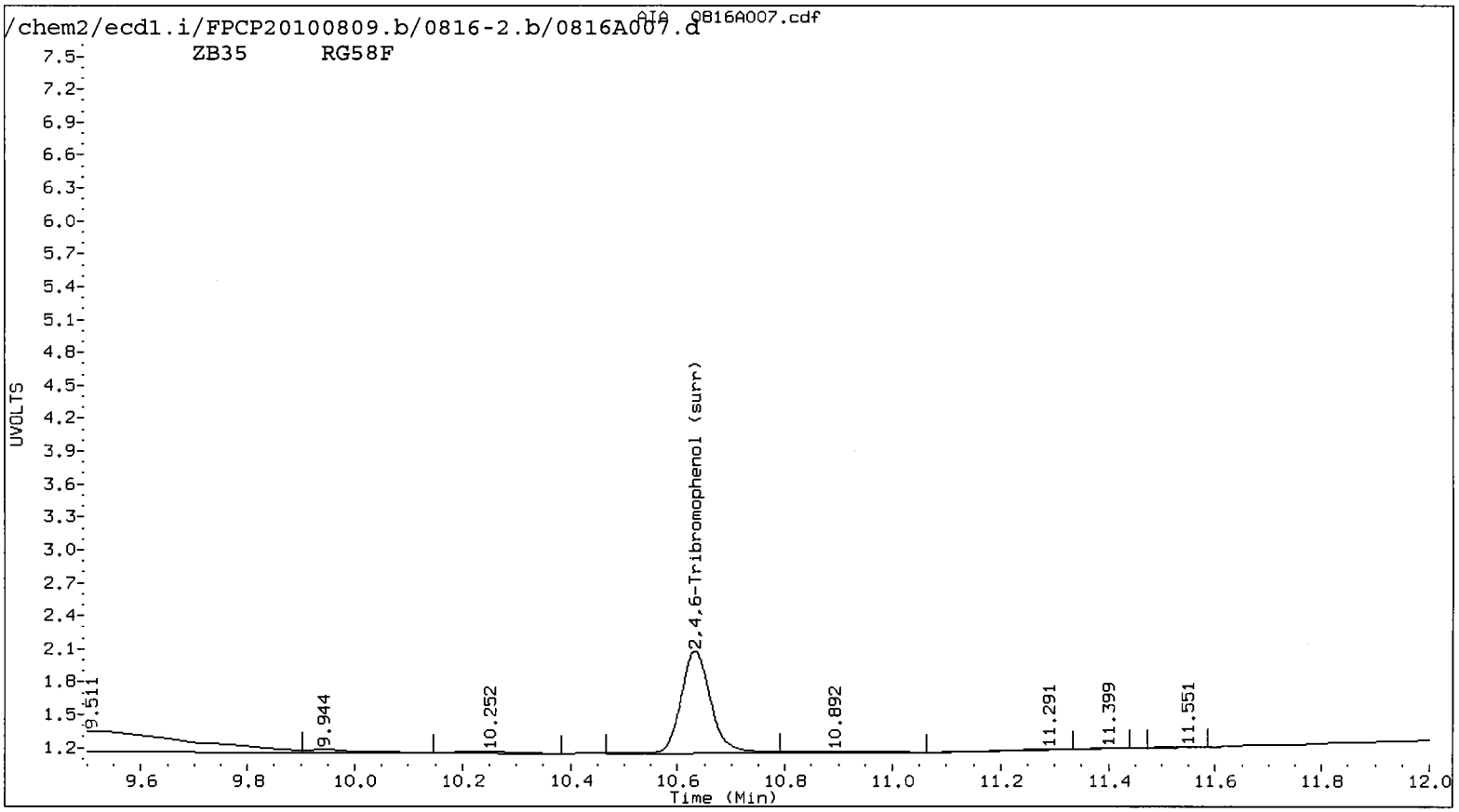
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A007.d ARI ID: RG58F
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A007.d Client ID: PSB22-19-20-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 18:23
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.210	-0.009	1808	----			0.1003	0.0000	---	Pentachlorophenol
7.287	0.023	13338	7.367	0.034	23652	1.3930	1.8946	30.5	2,4,6-Trichlorophenol
7.572	-0.047	2605	7.832	-0.032	6224	0.2653	0.5016	61.6*	2,3,6-Trichlorophenol
----			----			0.0000	0.0000	---	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.015	0.008	7849	9.303	0.026	77516	0.5565	4.1867	153.1*	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
6.851	-0.042	3124	7.167	0.001	10756	4.8829	14.4790	99.1*	2,4-Dichlorophenol
9.993	-0.009	126726	10.632	-0.014	176066	9.6	9.4	1.7	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	38.4	37.7


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A007.d
0816A007.cdf
ZB5 RG58F
UVOLTS
2,4,6-Tribromophenol (surr)
Pentachlorophenol
9.594
9.750
10.246
10.332
10.602
10.713
10.953
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A007.d
0816A007.cdf
ZB35 RG58F
UVOLTS
2,4,6-Tribromophenol (surr)
9.511
9.944
10.252
10.892
11.291
11.399
11.551
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A007.d

Page 1

Date : 16-AUG-2010 18:23

Client ID: PSB22-19-20-072910

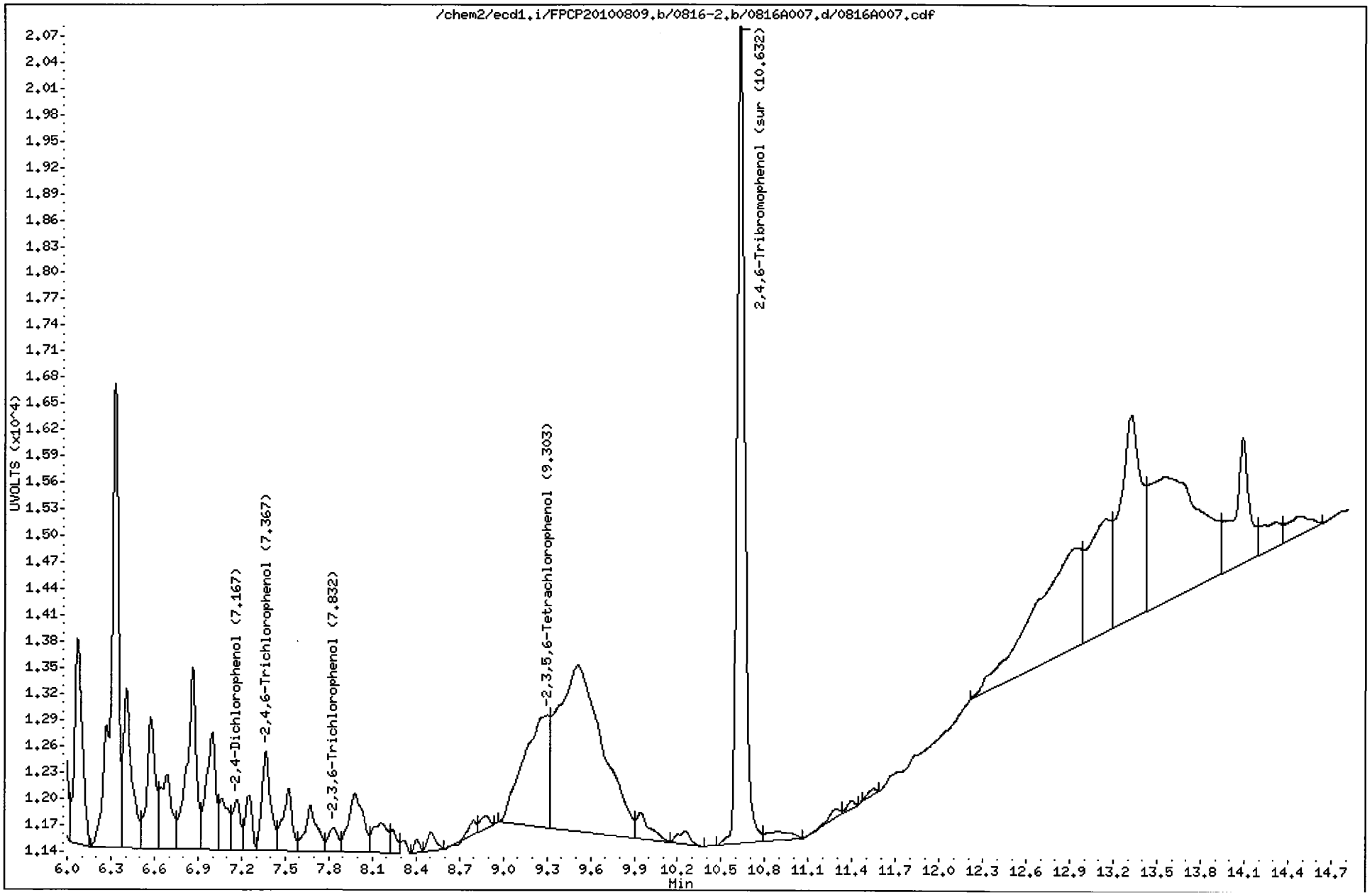
Instrument: ecd1.i

Sample Info: RG58F

Operator: ar

Column phase: ZB35

Column diameter: 0.53



RG58 : 05982

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A007.d

Page 1

Date : 16-AUG-2010 18:23

Client ID: PSB22-19-20-072910

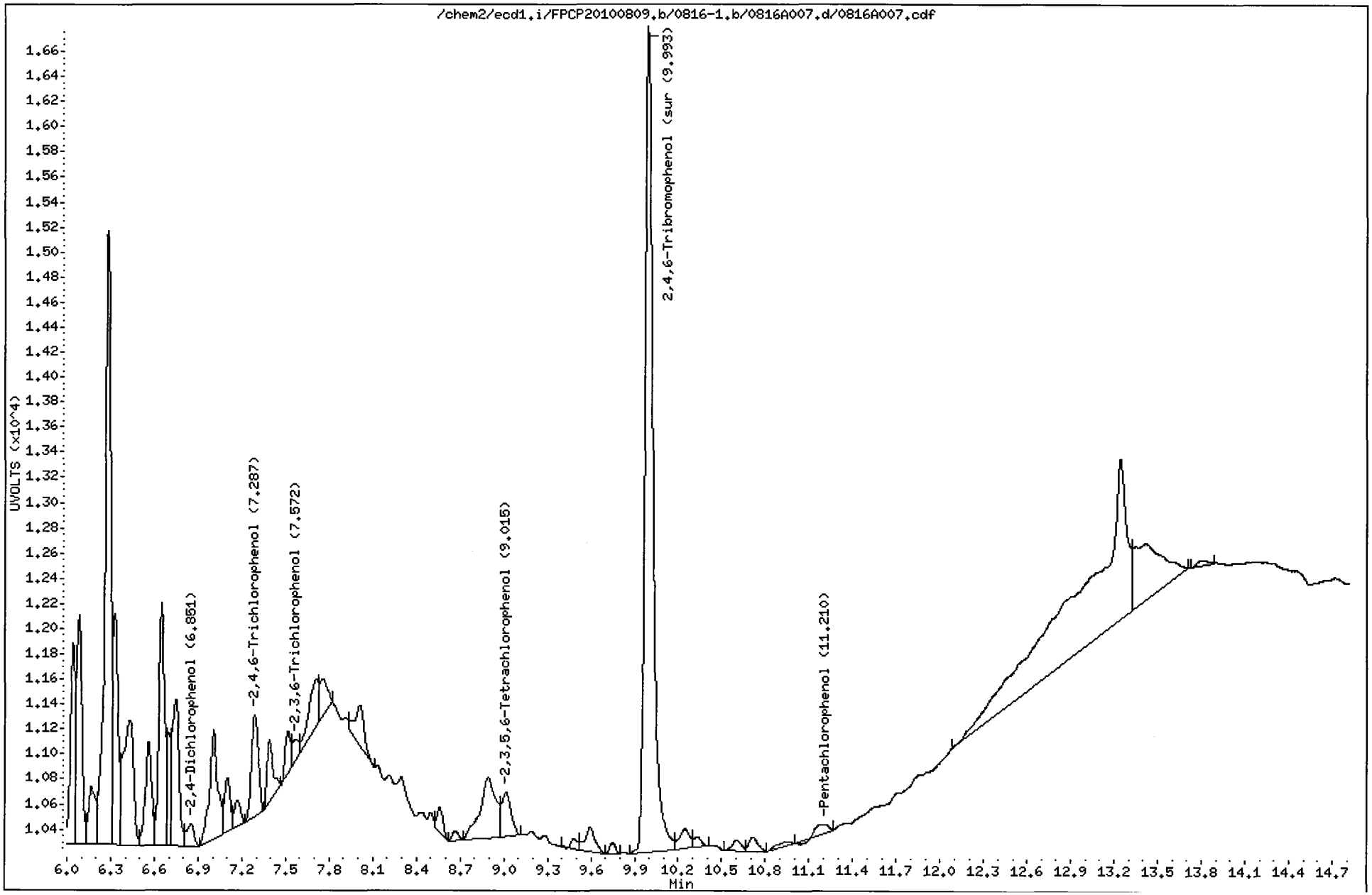
Instrument: ecd1.i

Sample Info: RG58F

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 09983

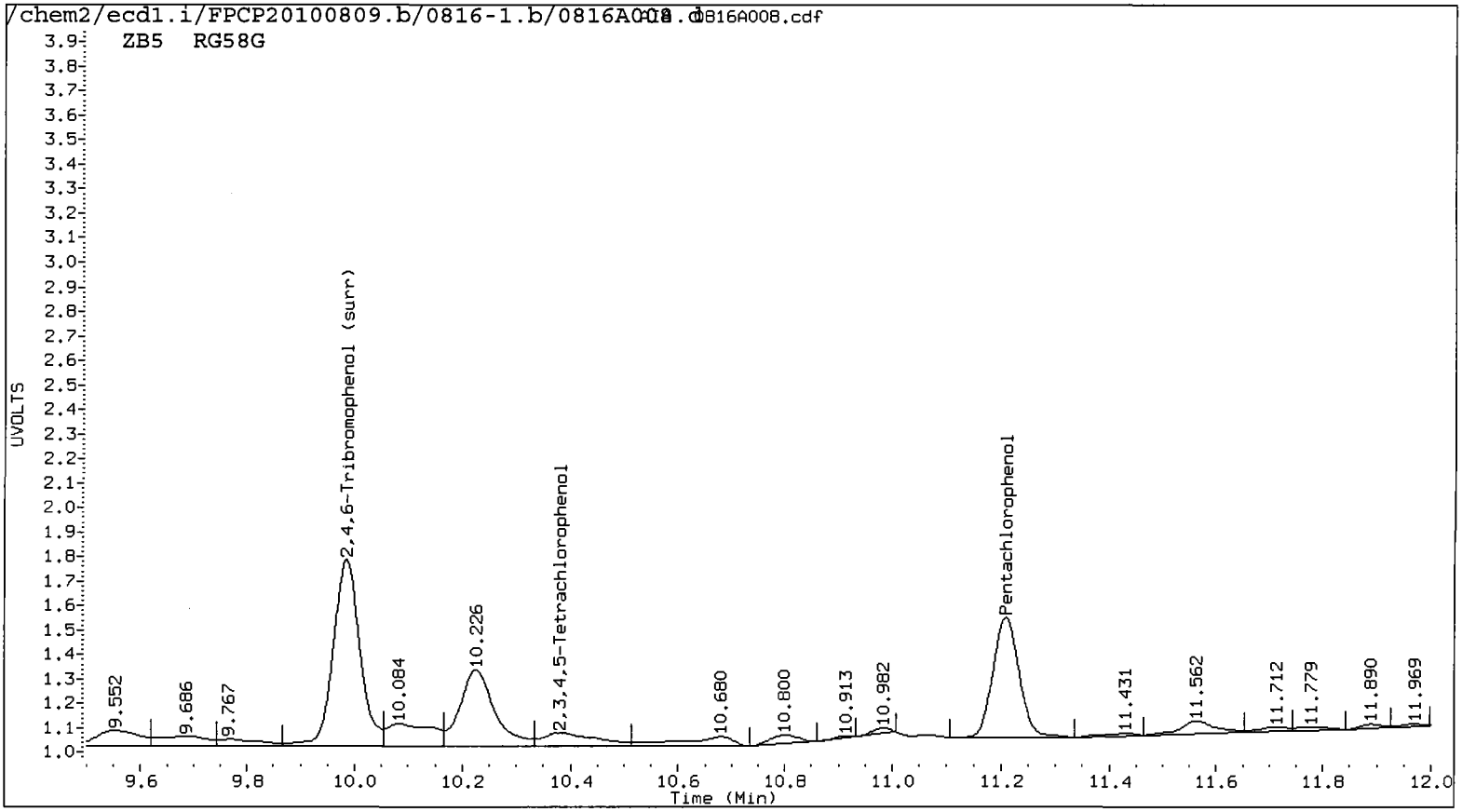
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

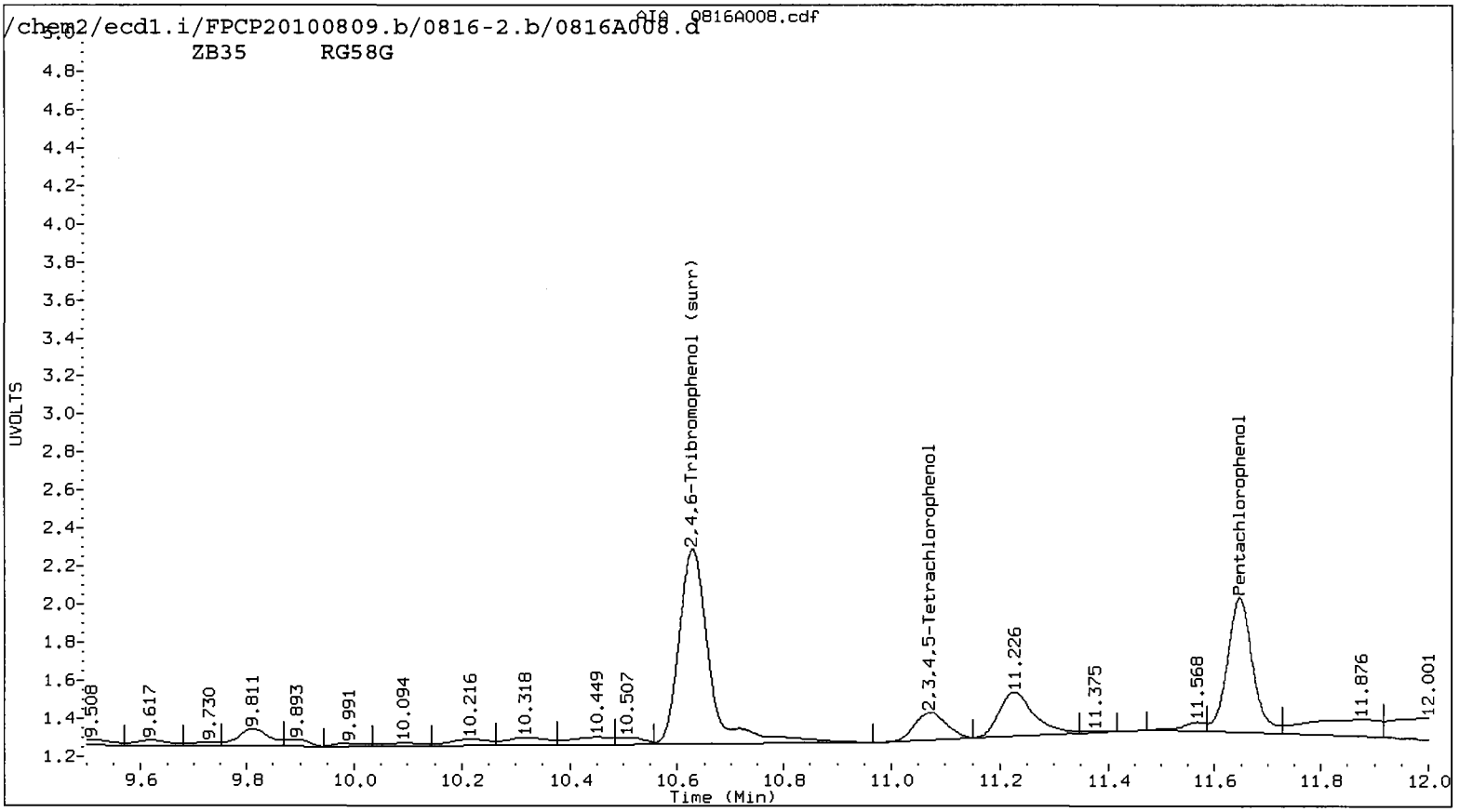
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A008.d ARI ID: RG58G
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A008.d Client ID: PSB23-0-0.5-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 18:43
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.209	-0.010	80371	11.647	-0.011	118056	4.6062	5.1415	11.0	Pentachlorophenol
7.266	0.002	18223	7.332	-0.001	20424	1.9096	1.6360	15.4	2,4,6-Trichlorophenol
7.597	-0.022	1593	----			0.1623	0.0000	---	2,3,6-Trichlorophenol
8.292	0.050	8673	----			1.7183	0.0000	---	2,4,5-Trichlorophenol
8.757	-0.035	9051	9.396	0.016	2952	1.3231	0.3054	125.0*	2,3,4-Trichlorophenol
9.024	0.017	25550	9.282	0.005	8260	1.8114	0.4461	120.9*	2,3,5,6-Tetrachlorophenol
10.380	-0.033	18837	11.071	-0.055	28617	1.5191	1.9613	25.4	2,3,4,5-Tetrachlorophenol
6.869	-0.024	2385	7.100	-0.066	29649	3.7210	40.9697	166.7*	2,4-Dichlorophenol
9.985	-0.017	131601	10.628	-0.018	201133	10.0	10.8	7.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	39.9	43.1


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A008.d
0816A008.cdf
ZB5 RG58G
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.552
9.686
9.767
10.084
10.226
10.680
10.800
10.913
10.982
11.431
11.562
11.712
11.779
11.890
11.969
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A008.d
0816A008.cdf
ZB35 RG58G
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.508
9.617
9.730
9.811
9.893
9.991
10.094
10.216
10.318
10.449
10.507
11.226
11.375
11.568
11.876
12.001
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A008.d

Date : 16-AUG-2010 18:43

Client ID: PSB23-0-0.5-072910

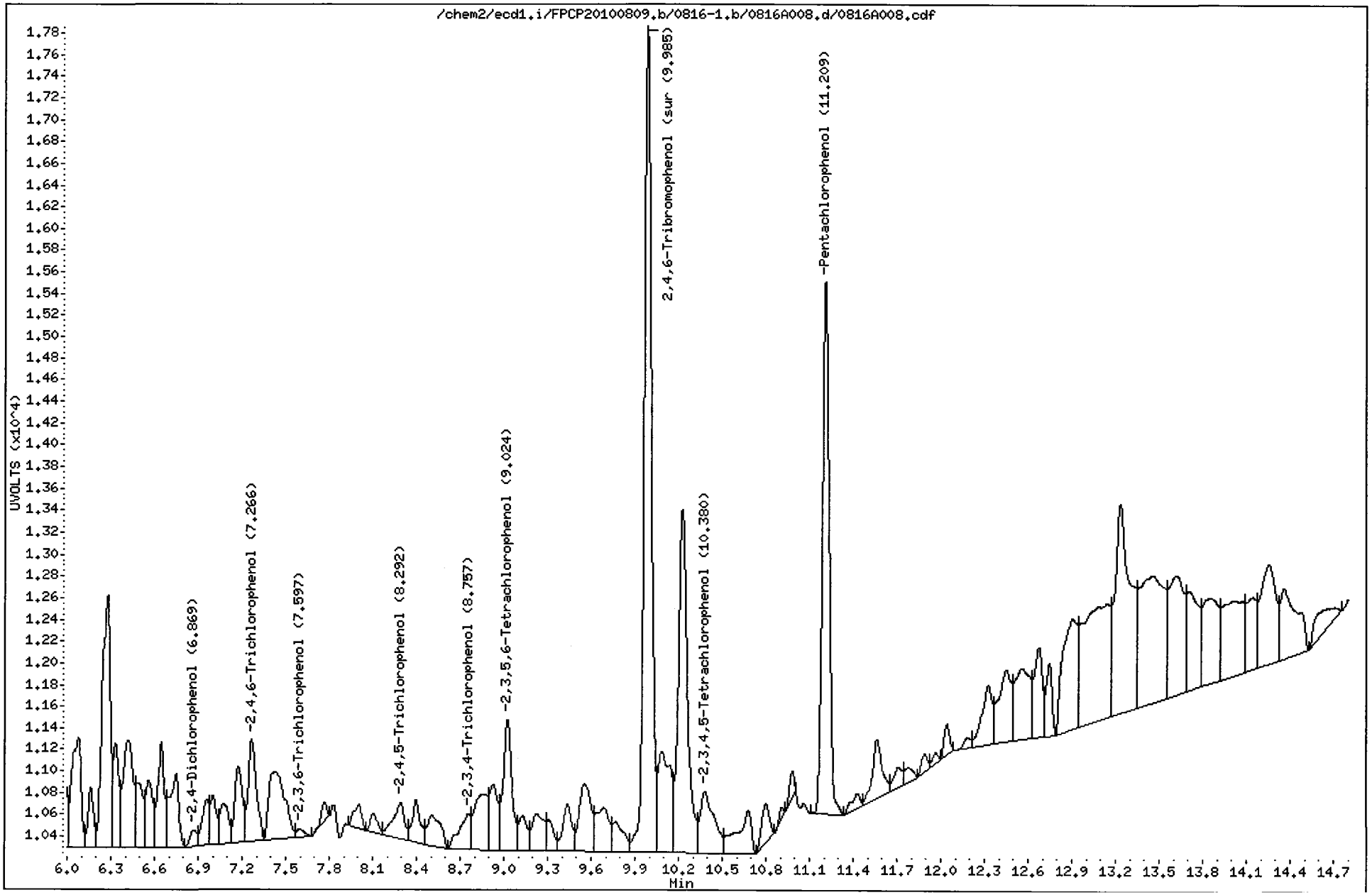
Instrument: ecd1.i

Sample Info: RG58G

Operator: ar

Column phase: ZB5

Column diameter: 0.53



Data File: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A008.d

Date : 16-AUG-2010 18:43

Client ID: PSB23-0-0.5-072910

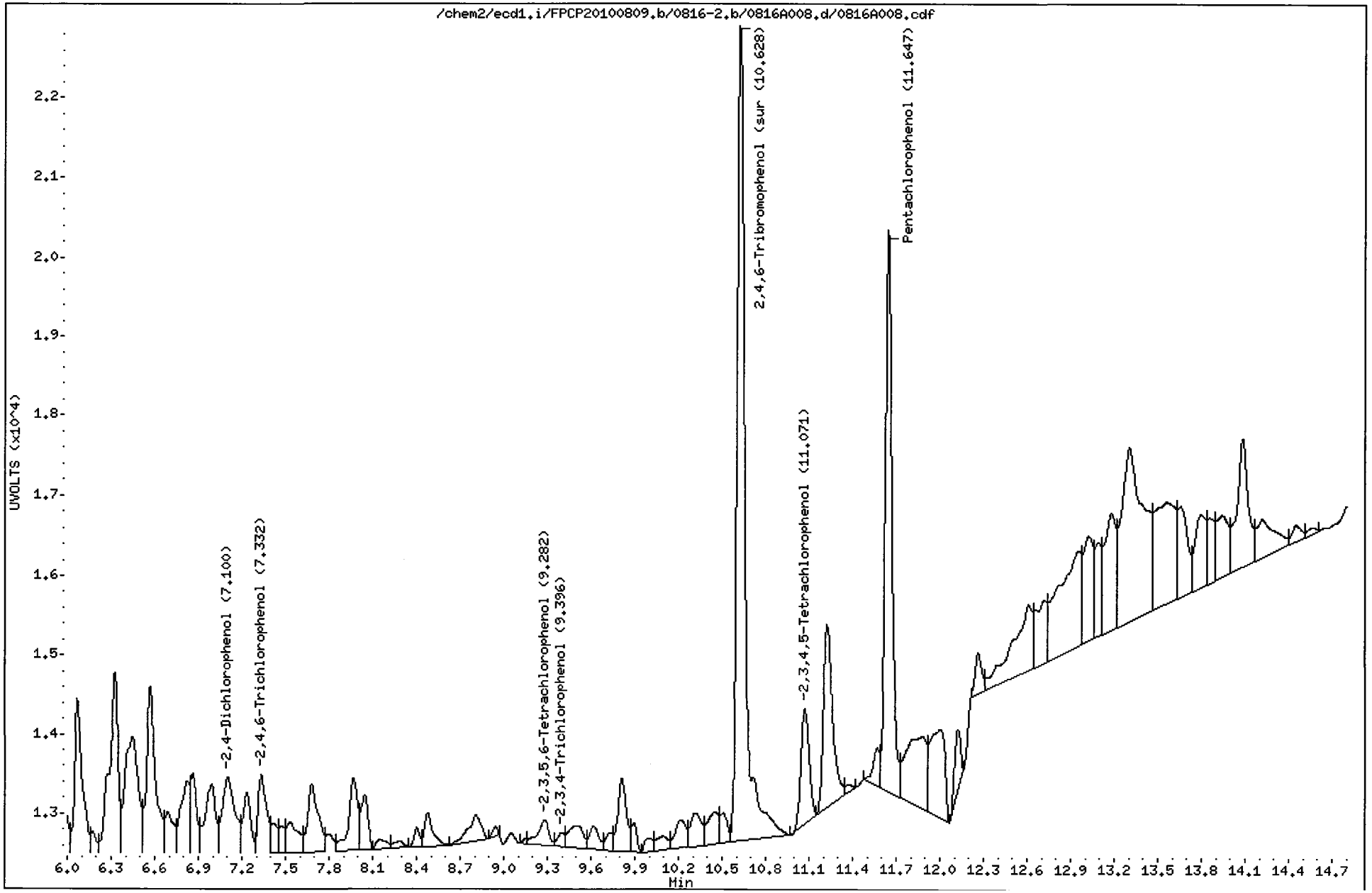
Sample Info: RG58G

Column phase: ZB35

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



RG58 : 009987

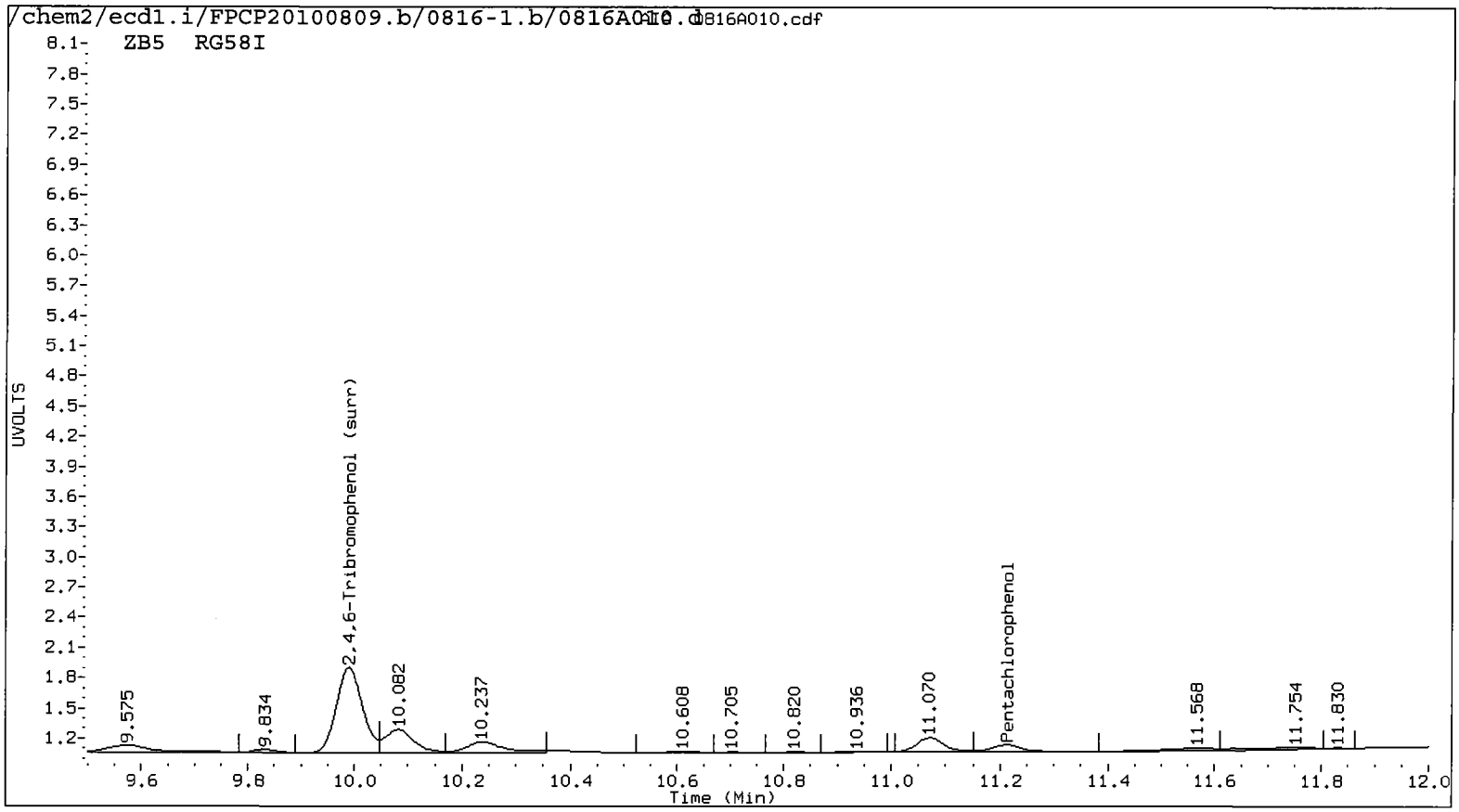
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

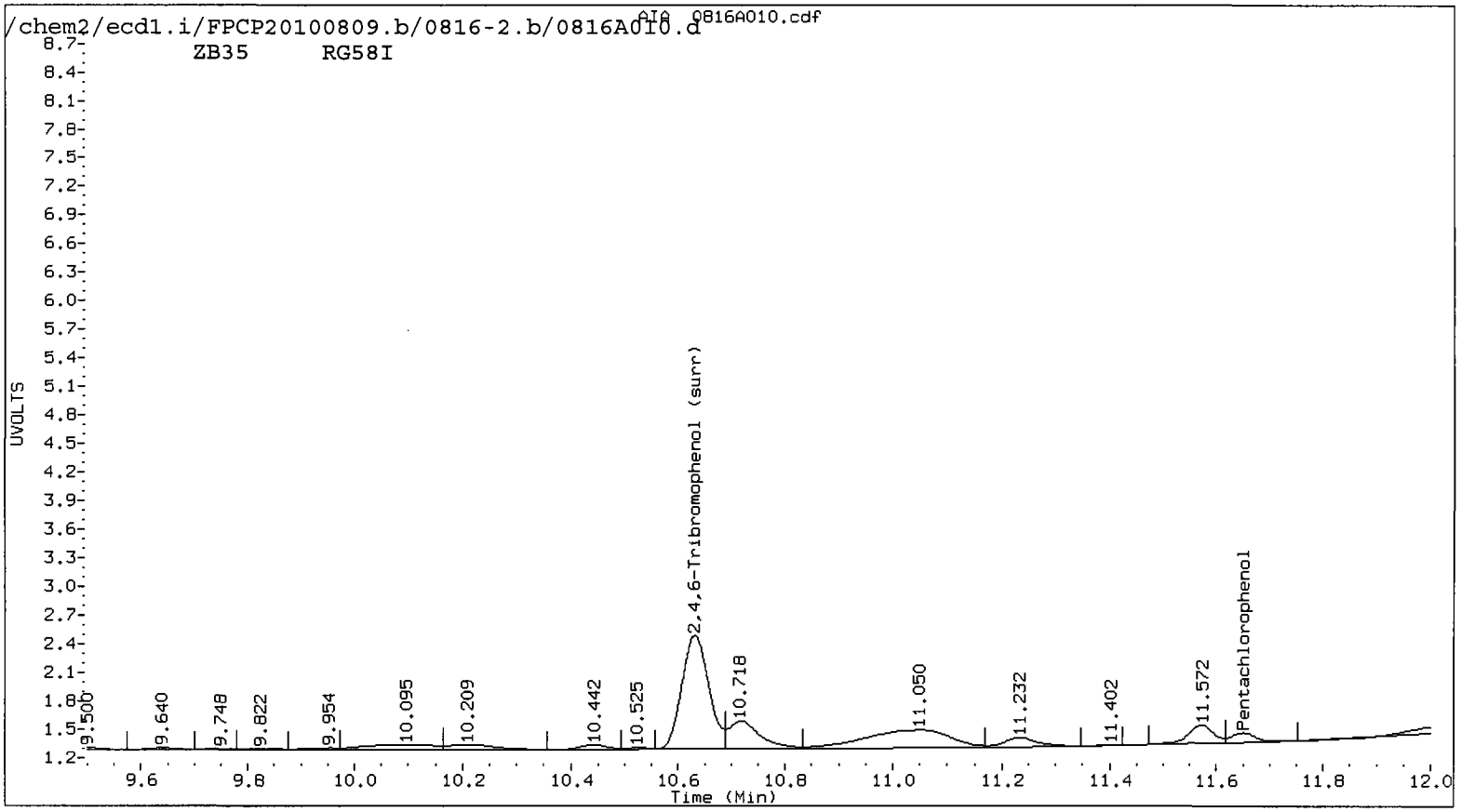
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A010.d ARI ID: RG58I
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A010.d Client ID: PSB23-2-4-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 19:23
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.212	-0.007	14491	11.649	-0.009	15859	0.8079	0.6907	15.6	Pentachlorophenol
7.275	0.011	30346	7.363	0.030	40347	3.2059	3.2318	0.8	2,4,6-Trichlorophenol
----			7.827	-0.037	9259	0.0000	0.7462	---	2,3,6-Trichlorophenol
8.204	-0.038	1607	----			0.3185	0.0000	---	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
9.020	0.013	10851	9.261	-0.016	11363	0.7693	0.6138	22.5	2,3,5,6-Tetrachlorophenol
----			----			0.0000	0.0000	---	2,3,4,5-Tetrachlorophenol
6.916	0.023	37969	7.109	-0.057	26821	64.7100	36.9185	54.7*	2,4-Dichlorophenol
9.990	-0.012	144436	10.631	-0.015	210623	11.0	11.3	2.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

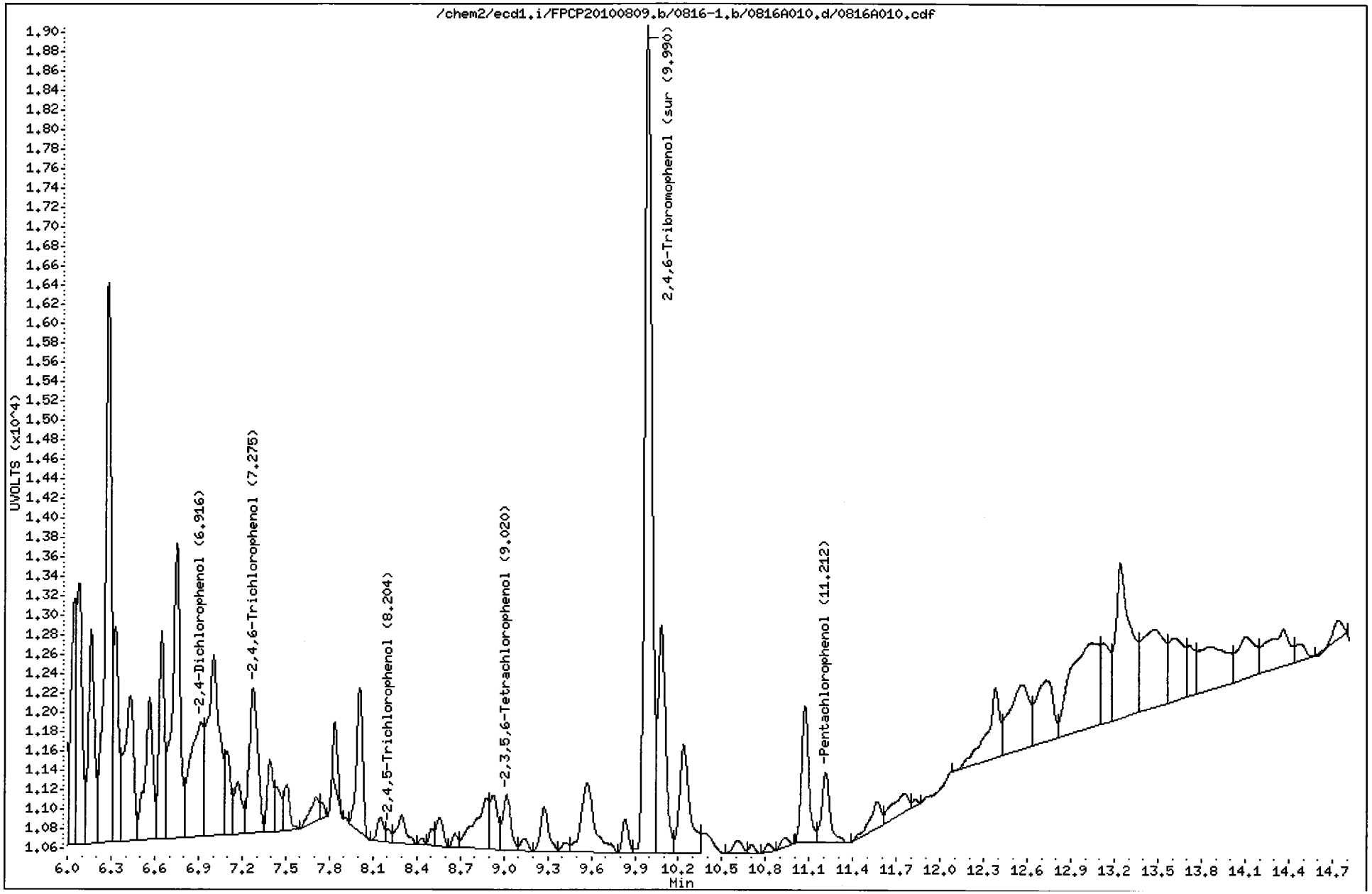
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	44.0	45.1


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A010.d
AIA 0816A010.cdf
ZB5 RG58I
UVOLTS
9.575
9.834
2,4,6-Tribromophenol (surr)
10.082
10.237
10.608
10.705
10.820
10.936
11.070
Pentachlorophenol
11.568
11.754
11.830
Time (Min)


/chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A010.d
AIA 0816A010.cdf
ZB35 RG58I
UVOLTS
9.500
9.640
9.748
9.822
9.954
10.095
10.209
10.442
10.525
2,4,6-Tribromophenol (surr)
10.718
11.050
11.232
11.402
11.572
Pentachlorophenol
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A010.d
Date : 16-AUG-2010 19:23
Client ID: PSB23-2-4-072910
Sample Info: RG58I

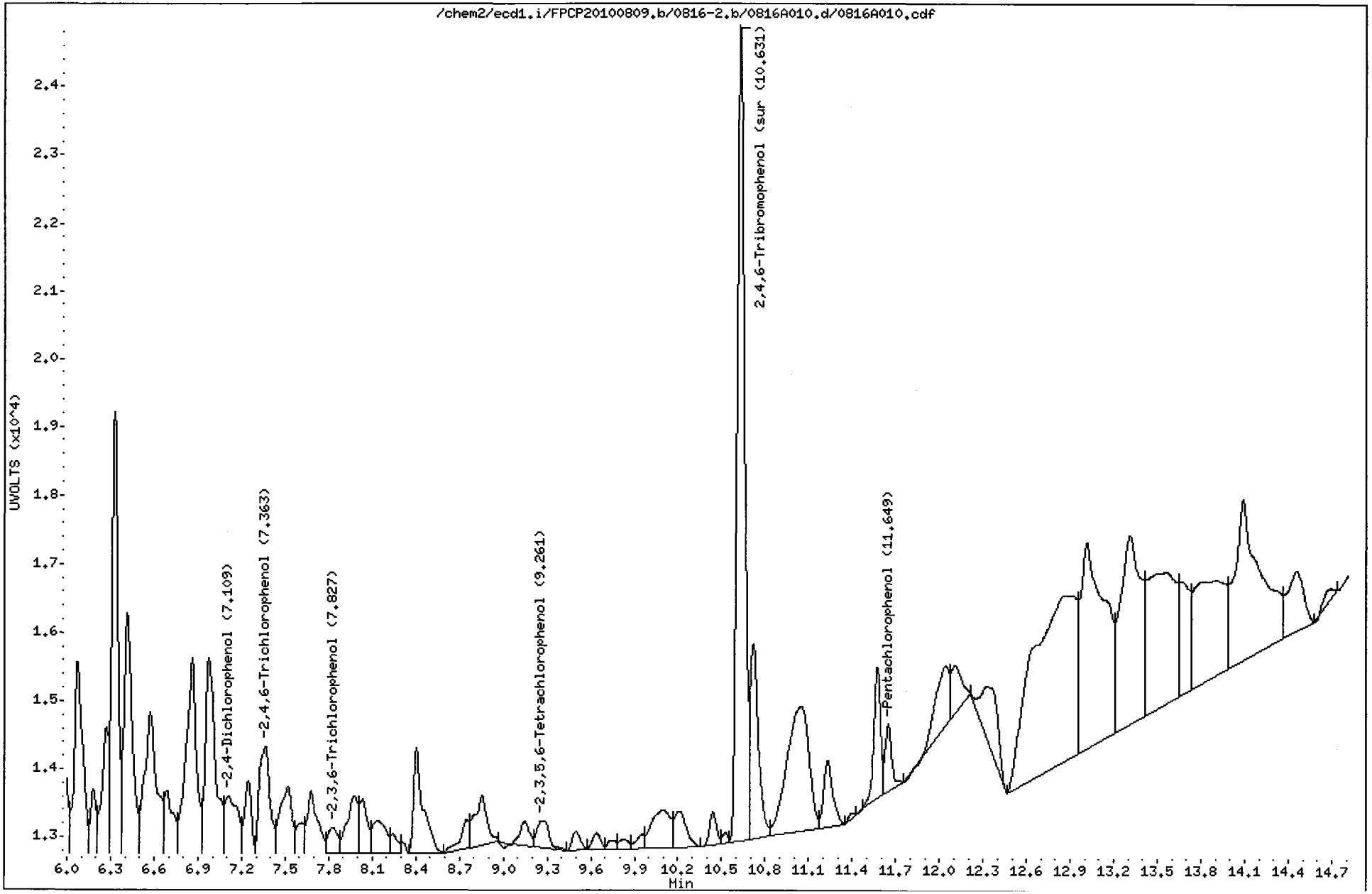
Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 09590

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A010.d
Date : 16-AUG-2010 19:23
Client ID: PSB23-2-4-072910
Sample Info: RG58I

Instrument: ecd1.i
Operator: ar
Column phase: ZB35
Column diameter: 0.53



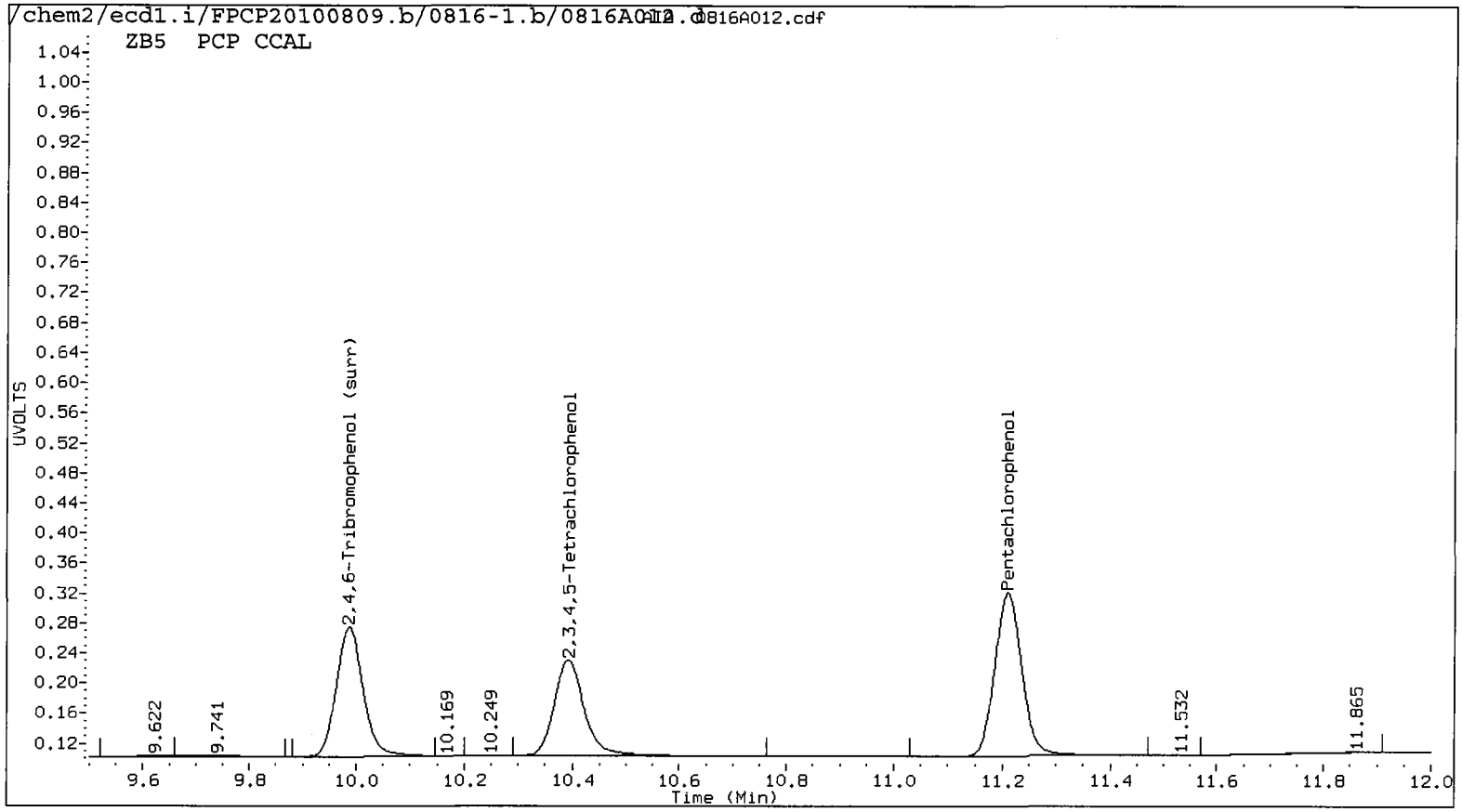
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

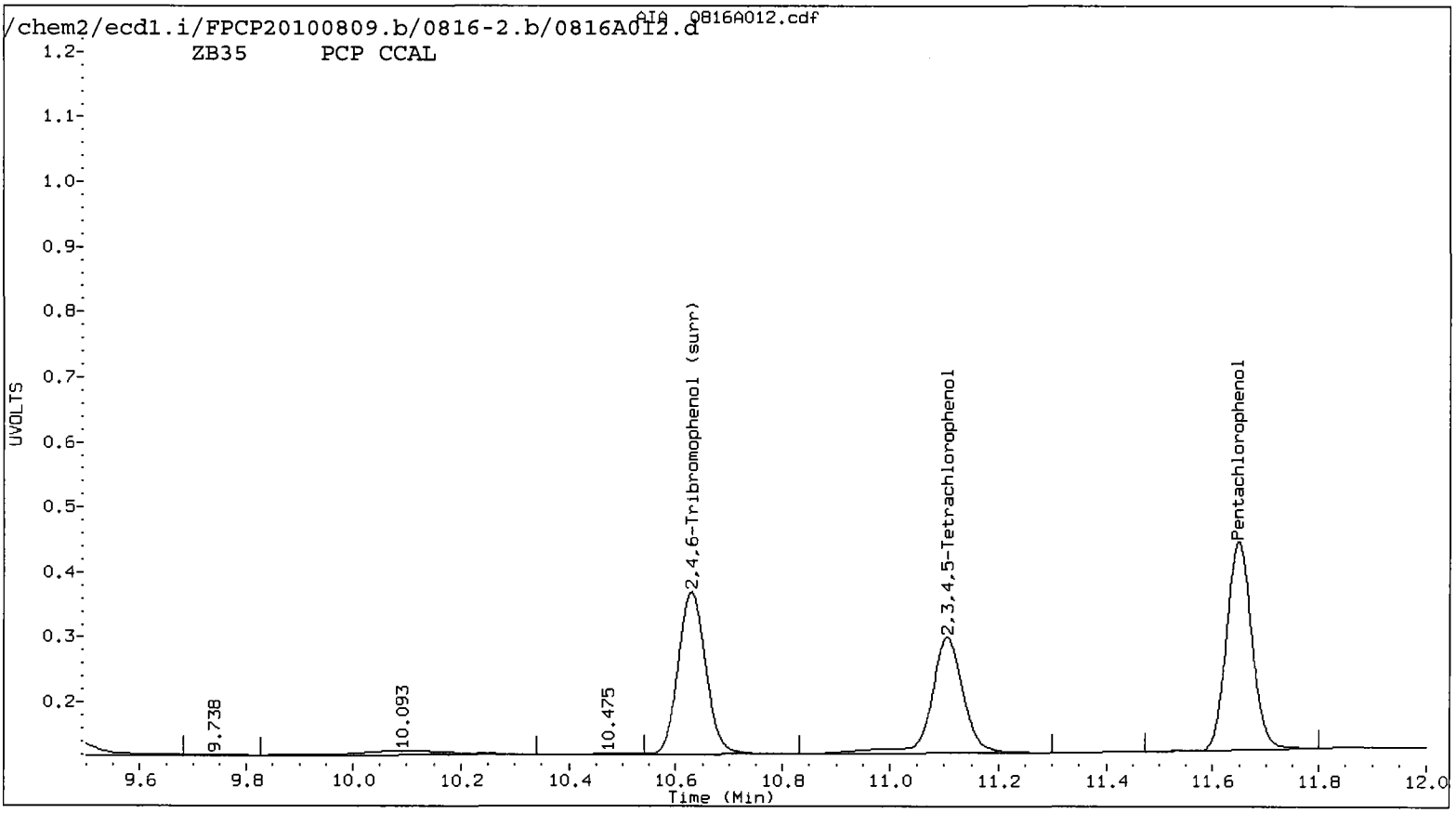
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A012.d ARI ID: PCP CCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A012.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 20:03
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: NONE
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.210	-0.009	379243	11.648	-0.010	519690	24.4272	22.6332	7.6	Pentachlorophenol
7.262	-0.002	218157	7.330	-0.003	330289	25.9426	26.4557	2.0	2,4,6-Trichlorophenol
7.615	-0.004	207465	7.857	-0.007	306112	23.3959	24.6695	5.3	2,3,6-Trichlorophenol
8.215	-0.027	123529	8.589	-0.026	159972	24.4732	25.6829	4.8	2,4,5-Trichlorophenol
8.764	-0.028	172602	9.354	-0.026	207373	25.2303	24.4496	3.1	2,3,4-Trichlorophenol
8.994	-0.013	336558	9.260	-0.017	465884	23.8599	25.1627	5.3	2,3,5,6-Tetrachlorophenol
10.392	-0.021	250725	11.105	-0.021	372724	24.2001	25.5453	5.4	2,3,4,5-Tetrachlorophenol
6.887	-0.006	147812	7.156	-0.010	159202	317.8776	258.9161	20.4	2,4-Dichlorophenol
9.987	-0.015	298543	10.629	-0.017	449906	24.1	24.1	0.0	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	97.7	90.5
2,4,6-Trichlorophenol	103.8	105.8
2,3,6-Trichlorophenol	93.6	98.7
2,4,5-Trichlorophenol	97.9	102.7
2,3,4-Trichlorophenol	100.9	97.8
2,3,5,6-Tetrachlorophenol	95.4	100.7
2,3,4,5-Tetrachlorophenol	96.8	102.2
2,4-Dichlorophenol	127.2	103.6
2,4,6-TBP (surr)	96.4	96.4


/chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A012.d
0816A012.cdf
ZB5 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.622
9.741
10.169
10.249
11.532
11.865
Time (Min)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0816A012.cdf
ZB35 PCP CCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.738
10.093
10.475
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A012.d

Date : 16-AUG-2010 20:03

Client ID:

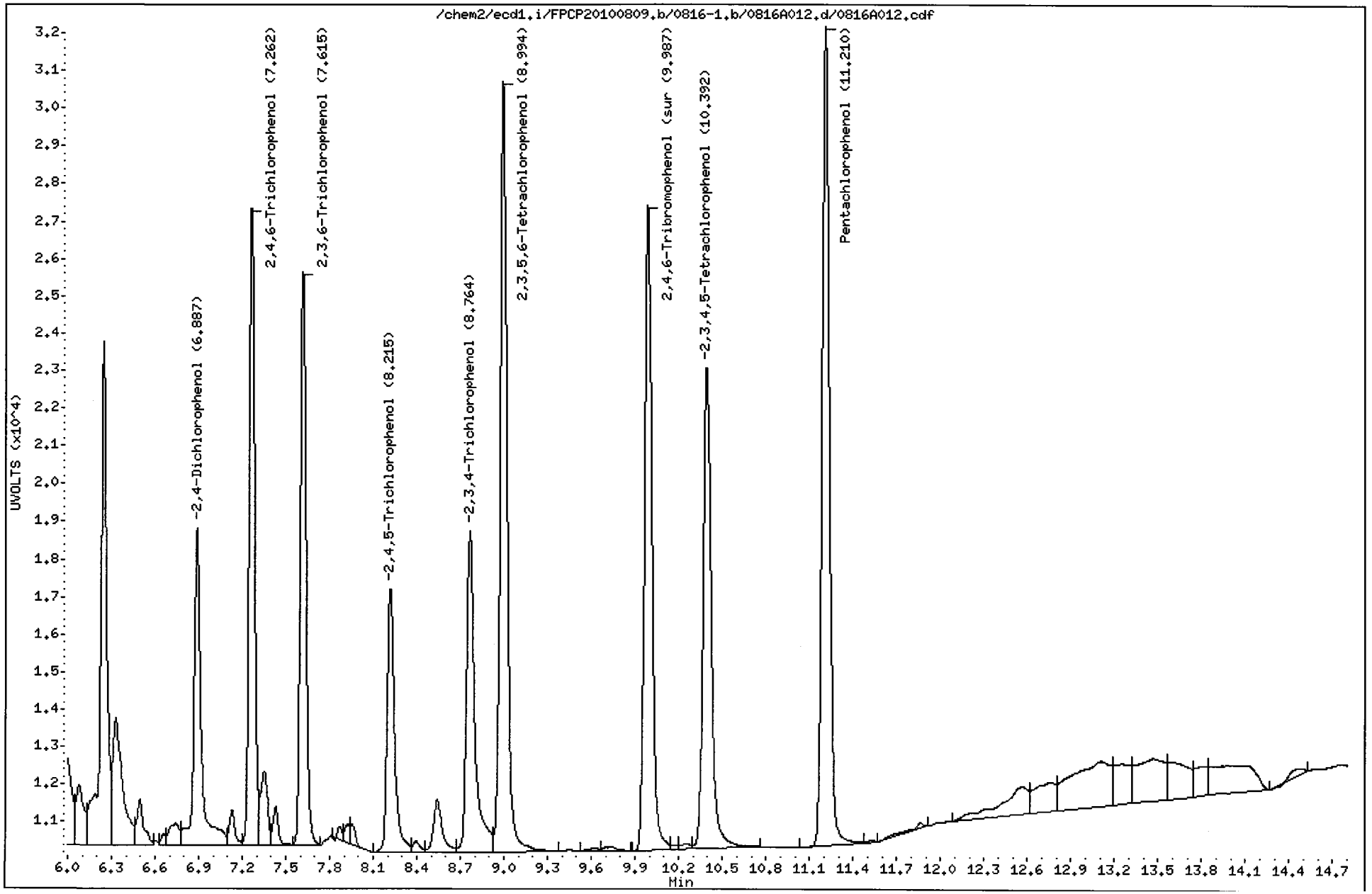
Instrument: ecd1.i

Sample Info: PCP CCAL

Operator: ar

Column phase: ZB5

Column diameter: 0.53



Analytical Resources Inc.: Organics Instrument Log

ECD1 Serial No.: 3410A39690

Date: 8/20/2010 Analysis: Cl.Phenols/Herbicides Analyst: AR

GC Program: PCPFAST.M & Column No: 150608 Column Type: ZBS/35

Instrument Tune (.U or .CT.): HERB.M EM Voltage: NA

Calibration File: HERB20100802.b & FPCP20100809.b Curve Date: 8/2/2010 & 8/9/2010

IS/SS	Ical/Ccal	LCS/ICV
	1663-2 & 1739-1	1703-2 & 1731-2

GC LOG SUMMARY FOR DATABATCH - /chem2/ecd1.i/FPCP20100809.b/0820-1.b

	Inject Date/Time	Filename	DF	LabID	ClientID
1	20-AUG-2010 17:31	0820A012.d	1	PCPCCAL	
2	20-AUG-2010 17:51	0820A013.d	1	RG58MBS1	RG58MBS1
3	20-AUG-2010 18:11	0820A014.d	1	RG58LCSS1	RG58LCSS1
4	20-AUG-2010 18:31	0820A015.d	1	RG58IMSD	PSB23-2-4-07291 MSD
5	20-AUG-2010 18:51	0820A016.d	1	RG58H	PSB23-1.5-2-072910
6	20-AUG-2010 19:11	0820A017.d	1	RG58O	PSB24-2-4-072910
7	20-AUG-2010 19:31	0820A018.d	1	PCPCCAL	
8	20-AUG-2010 19:51	0820A019.d	1	RG58MBS1	RG58MBS1
9	20-AUG-2010 20:11	0820A020.d	1	RG58LCSS1	RG58LCSS1
10	20-AUG-2010 20:31	0820A021.d	1	RG58IMSD	PSB23-2-4-07291 MSD
11	20-AUG-2010 20:51	0820A022.d	1	RG58H	PSB23-1.5-2-072910
12	20-AUG-2010 21:11	0820A023.d	1	RG58O	PSB24-2-4-072910
13	20-AUG-2010 21:31	0820A024.d	1	RG58P	PSB24-2-4-072910-D
14	20-AUG-2010 21:51	0820A025.d	1	RG58Q	PSB24-4-6-072910
15	20-AUG-2010 22:11	0820A026.d	1	DRVBLK 082010	
16	20-AUG-2010 22:31	0820A027.d	1	PCP	
17	20-AUG-2010 22:51	0820A028.d	1	PCPCCAL	
18	20-AUG-2010 23:11	0820A029.d	1	RG94MBS1	RG94MBS1
19	20-AUG-2010 23:31	0820A030.d	1	RG94LCSS1	RG94LCSS1
20	20-AUG-2010 23:51	0820A031.d	1	RG94A	MW14-15-16.5-080210
21	21-AUG-2010 00:11	0820A032.d	1	RG94B	MW14-22.5-24-080210
22	21-AUG-2010 00:31	0820A033.d	1	RG94C	MW13-10-11.5-080210
23	21-AUG-2010 00:51	0820A034.d	1	RG94D	MW13-14-14.5-080210
24	21-AUG-2010 01:11	0820A035.d	1	RG94E	MW13-18.5-19.5-0802
25	21-AUG-2010 01:31	0820A036.d	1	RG94F	MW13-18.5-19.5-0802
26	21-AUG-2010 01:51	0820A037.d	1	RG94G	MW12-5.5-7.5-080210
27	21-AUG-2010 02:11	0820A038.d	1	RG94H	MW12-8-9.5-080210
28	21-AUG-2010 02:31	0820A039.d	1	PCP	
29	21-AUG-2010 02:51	0820A040.d	1	PCPCCAL	
30	21-AUG-2010 03:11	0820A041.d	1	RG94HMS	MW12-8-9.5-0802 MS
31	21-AUG-2010 03:31	0820A042.d	1	RG94HMSD	MW12-8-9.5-0802 MSD
32	21-AUG-2010 03:51	0820A043.d	1	RG94I	MW12-10-11.5-080210
33	21-AUG-2010 04:11	0820A044.d	1	RG94J	MW12-17.5-19-080210
34	21-AUG-2010 04:31	0820A045.d	1	PCP	
35	21-AUG-2010 04:51	0820A046.d	1	PCPCCAL	

Maintenance / Comments

AR 8/21/2010

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, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: Floyd - Snider

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): 10g/25mL FV

Instrument: FID-3A FID-3B FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 8/9/2010 Analysis Start: 8/20/2010

Endrin/DDT Breakdown <15%? YES / NO / NA
Method Blank In Control? YES / NO
ICal Meets RF & %RSD Criteria? YES / NO
LCS/LCSD Recovery In Control? YES / NO
CCal Meets RF & %RSD Criteria? YES / NO
Surrogate Recovery In Control? YES / NO
Manual Integrations for ICal? YES / NO
Manual Integrations for Samples? YES / NO
Internal Standard Meets Criteria? YES / NO / NA
Special Analysis Criteria Met? YES / NO / NA
JDP

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

Additional Details on Reverse: Yes / No

Analyst: _____ **Date:** 8/21/2010

Reviewer: _____ **Date:** 8/23/10

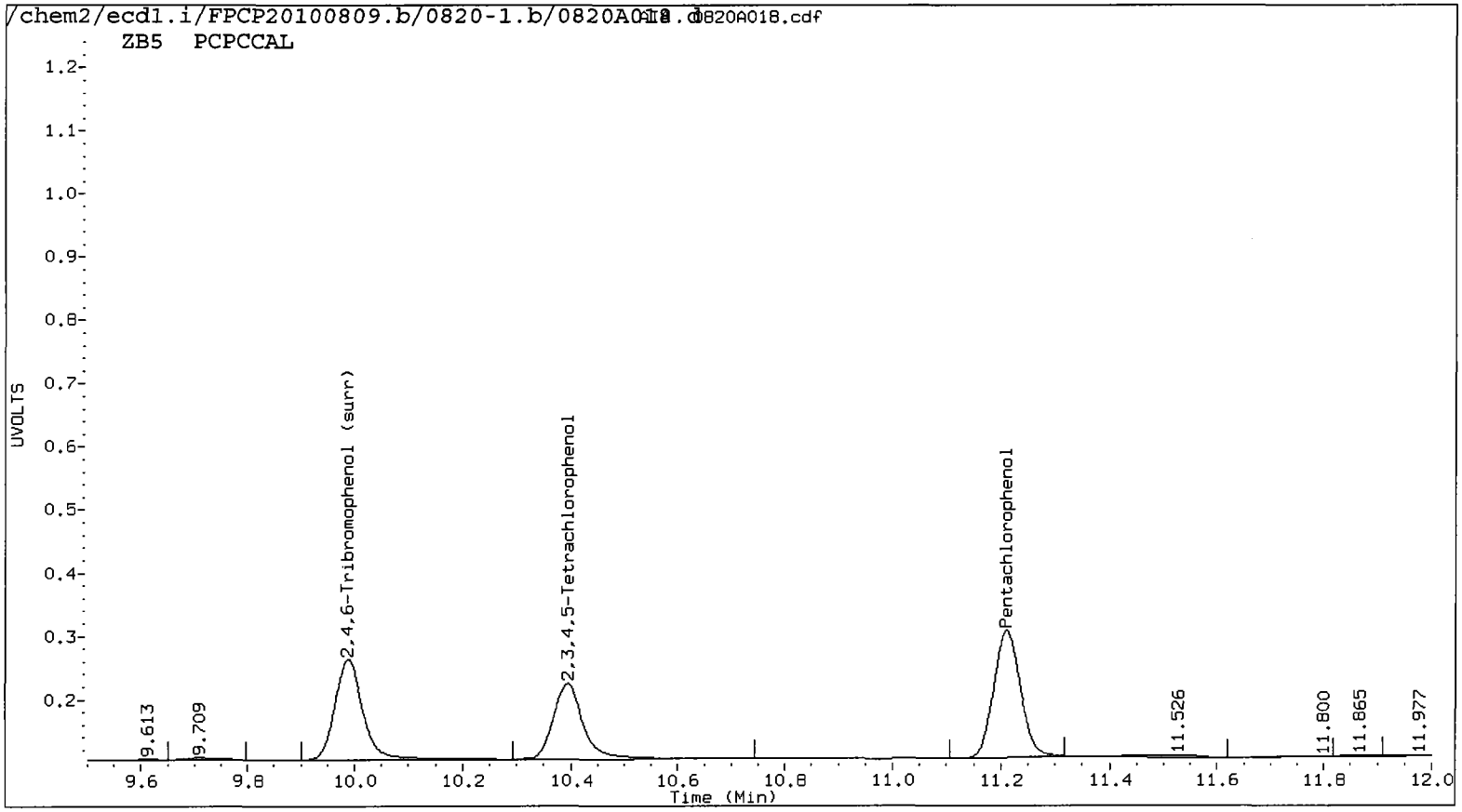
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A018.d ARI ID: PCPCCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A018.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 19:31
Compound Sublist: all Report Date: 08/21/2010 13:35
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.210	-0.009	340595	11.648	-0.010	497334	21.6252	21.6596	0.2	Pentachlorophenol
7.262	-0.002	202796	7.330	-0.003	281840	23.8957	22.5750	5.7	2,4,6-Trichlorophenol
7.615	-0.004	195178	7.858	-0.006	269711	21.8824	21.7359	0.7	2,3,6-Trichlorophenol
8.217	-0.025	117082	8.590	-0.025	149753	23.1959	23.8368	2.7	2,4,5-Trichlorophenol
8.765	-0.027	150734	9.354	-0.026	191003	22.0337	22.2983	1.2	2,3,4-Trichlorophenol
8.994	-0.013	315723	9.260	-0.017	419846	22.3828	22.6762	1.3	2,3,5,6-Tetrachlorophenol
10.393	-0.020	233253	11.106	-0.020	315294	22.2346	21.6093	2.9	2,3,4,5-Tetrachlorophenol
6.887	-0.006	113136	7.157	-0.009	137820	227.3659	218.5791	3.9	2,4-Dichlorophenol
9.988	-0.014	282369	10.630	-0.017	417124	22.7	22.3	1.4	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	86.5	86.6
2,4,6-Trichlorophenol	95.6	90.3
2,3,6-Trichlorophenol	87.5	86.9
2,4,5-Trichlorophenol	92.8	95.3
2,3,4-Trichlorophenol	88.1	89.2
2,3,5,6-Tetrachlorophenol	89.5	90.7
2,3,4,5-Tetrachlorophenol	88.9	86.4
2,4-Dichlorophenol	90.9	87.4
2,4,6-TBP (surr)	90.6	89.4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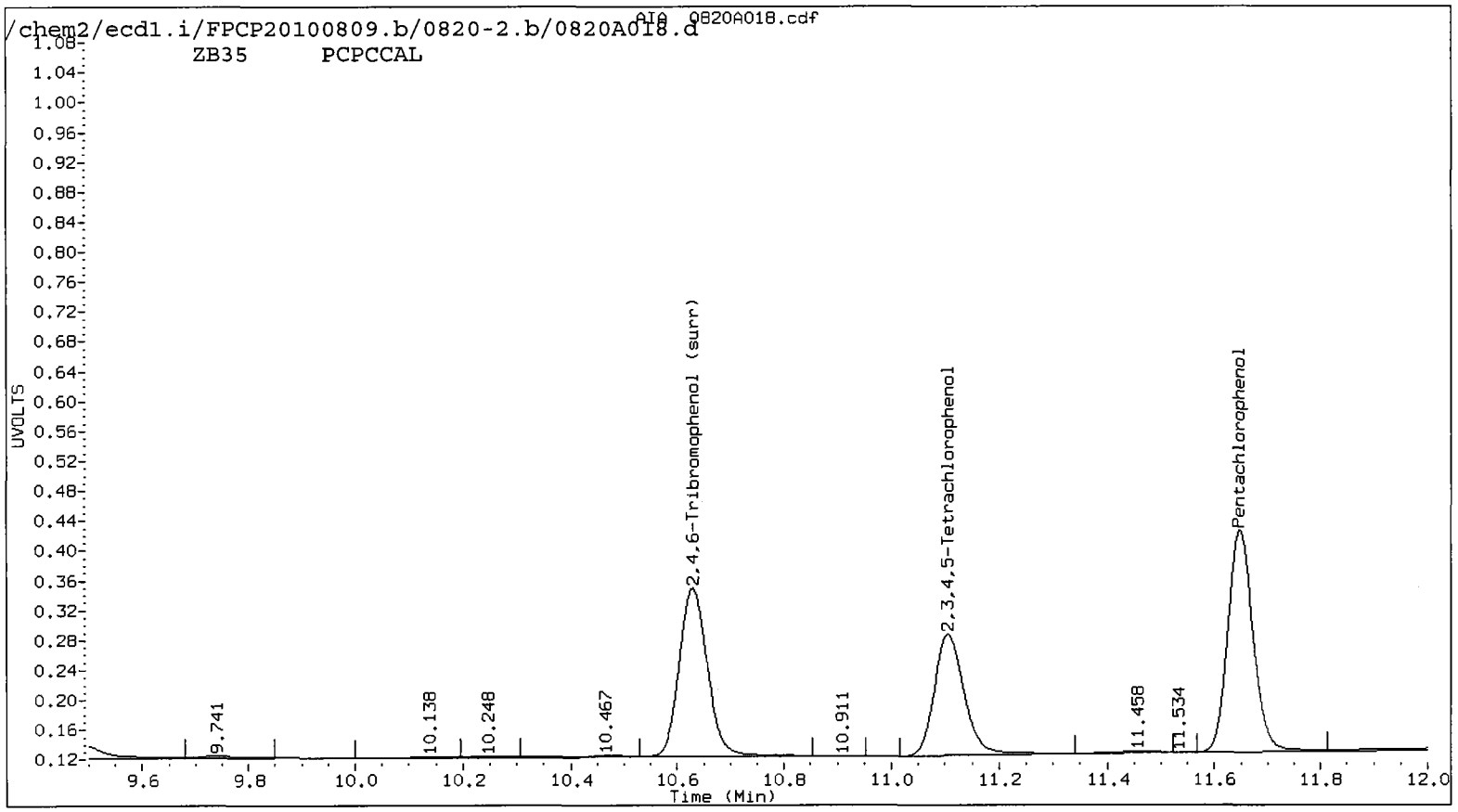
AIA 0820A018.cdf
ZB5 PCPCCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.613
9.709
11.526
11.800
11.865
11.977
Time (Min)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AIA 0820A018.cdf
ZB35 PCPCCAL
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.741
10.138
10.248
10.467
10.911
11.458
11.534
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A018.d

Date : 20-AUG-2010 19:31

Client ID:

Sample Info: PCPCCAL

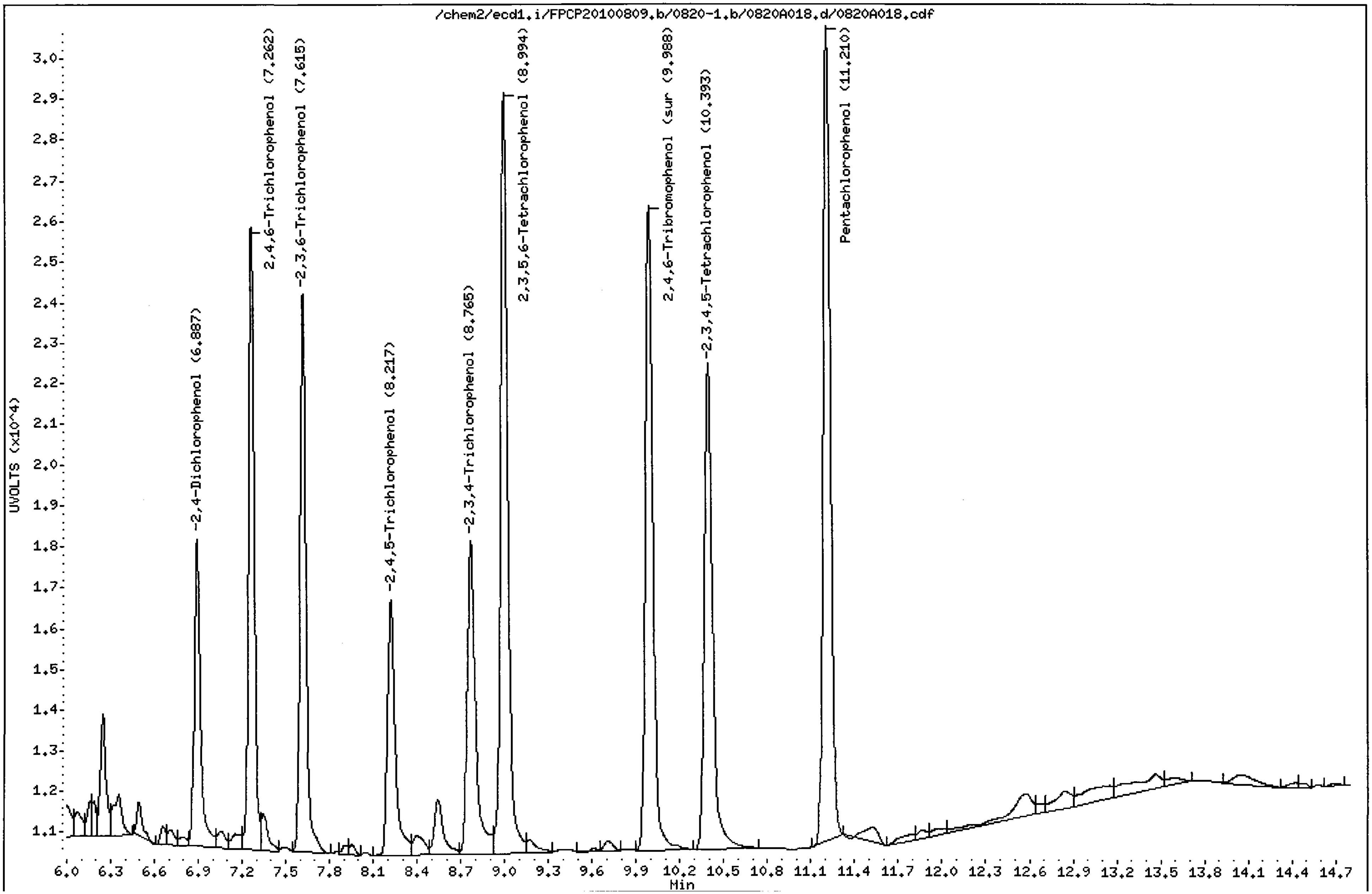
Purge Volume: 2.0

Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



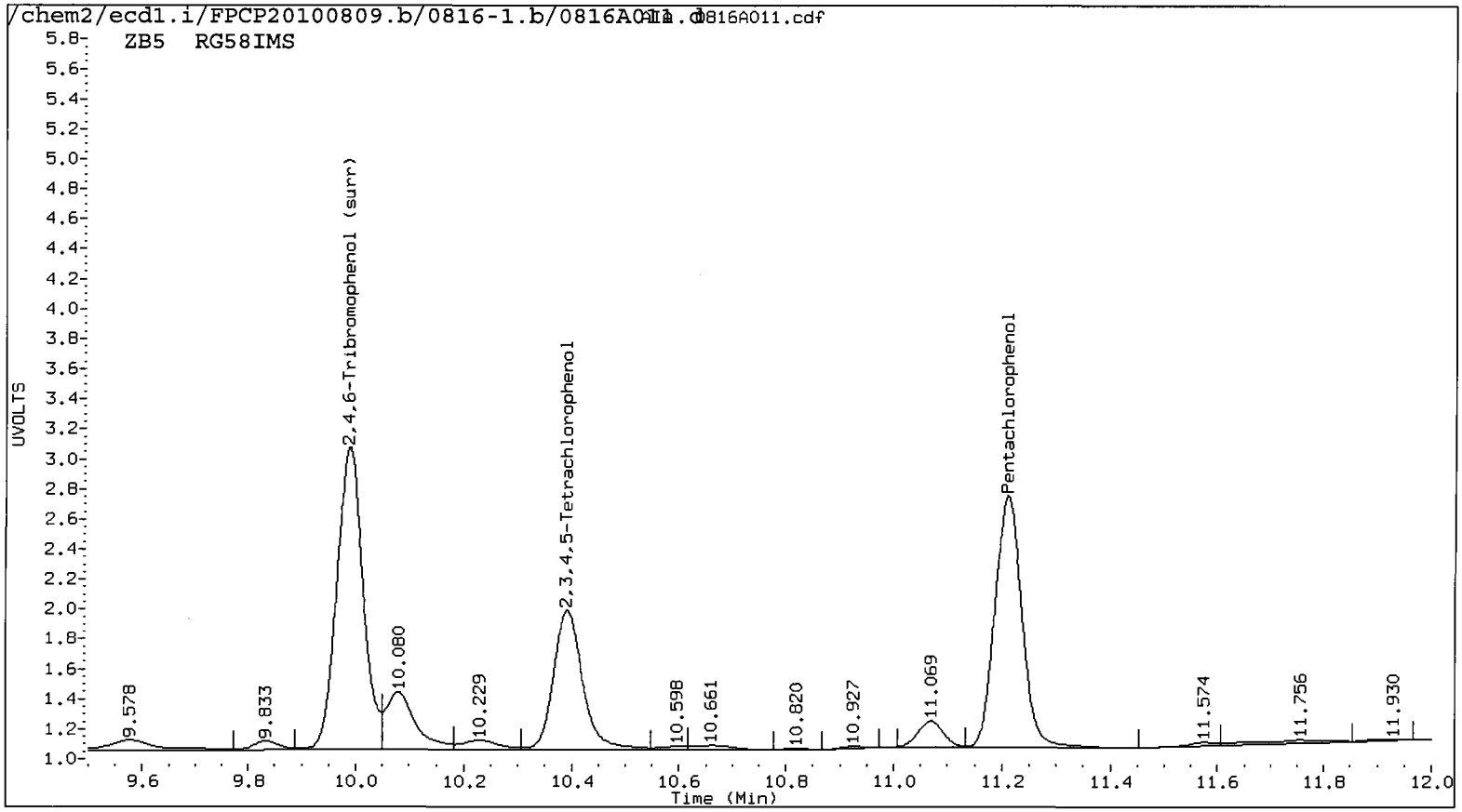
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A011.d ARI ID: RG58IMS
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0816-2.b/0816A011.d Client ID: PSB23-2-4-07291 MS
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 16-AUG-2010 19:43
Compound Sublist: all Report Date: 08/20/2010 15:20
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.210	-0.008	287981	11.648	-0.010	415847	17.9248	18.1107	1.0	Pentachlorophenol
7.263	-0.001	155330	7.331	-0.002	231825	17.7816	18.5689	4.3	2,4,6-Trichlorophenol
7.615	-0.004	154450	7.858	-0.006	215178	16.9807	17.3412	2.1	2,3,6-Trichlorophenol
8.217	-0.025	99481	8.590	-0.025	92621	19.7090	14.0325	33.6	2,4,5-Trichlorophenol
8.767	-0.025	100623	9.356	-0.024	111846	14.7086	12.4309	16.8	2,3,4-Trichlorophenol
8.995	-0.012	255977	9.261	-0.016	317269	18.1472	17.1359	5.7	2,3,5,6-Tetrachlorophenol
10.391	-0.022	176251	11.104	-0.022	285018	16.1132	19.5343	19.2	2,3,4,5-Tetrachlorophenol
6.890	-0.003	40309	7.158	-0.008	68314	69.0821	99.3811	36.0	2,4-Dichlorophenol
9.988	-0.014	344307	10.630	-0.016	522464	28.2	28.0	0.9	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	71.7	72.4
2,4,6-Trichlorophenol	71.1	74.3
2,3,6-Trichlorophenol	67.9	69.4
2,4,5-Trichlorophenol	78.8	56.1
2,3,4-Trichlorophenol	58.8	49.7
2,3,5,6-Tetrachlorophenol	72.6	68.5
2,3,4,5-Tetrachlorophenol	64.5	78.1
2,4-Dichlorophenol	27.6	39.8
2,4,6-TBP (surr)	56.5	56.0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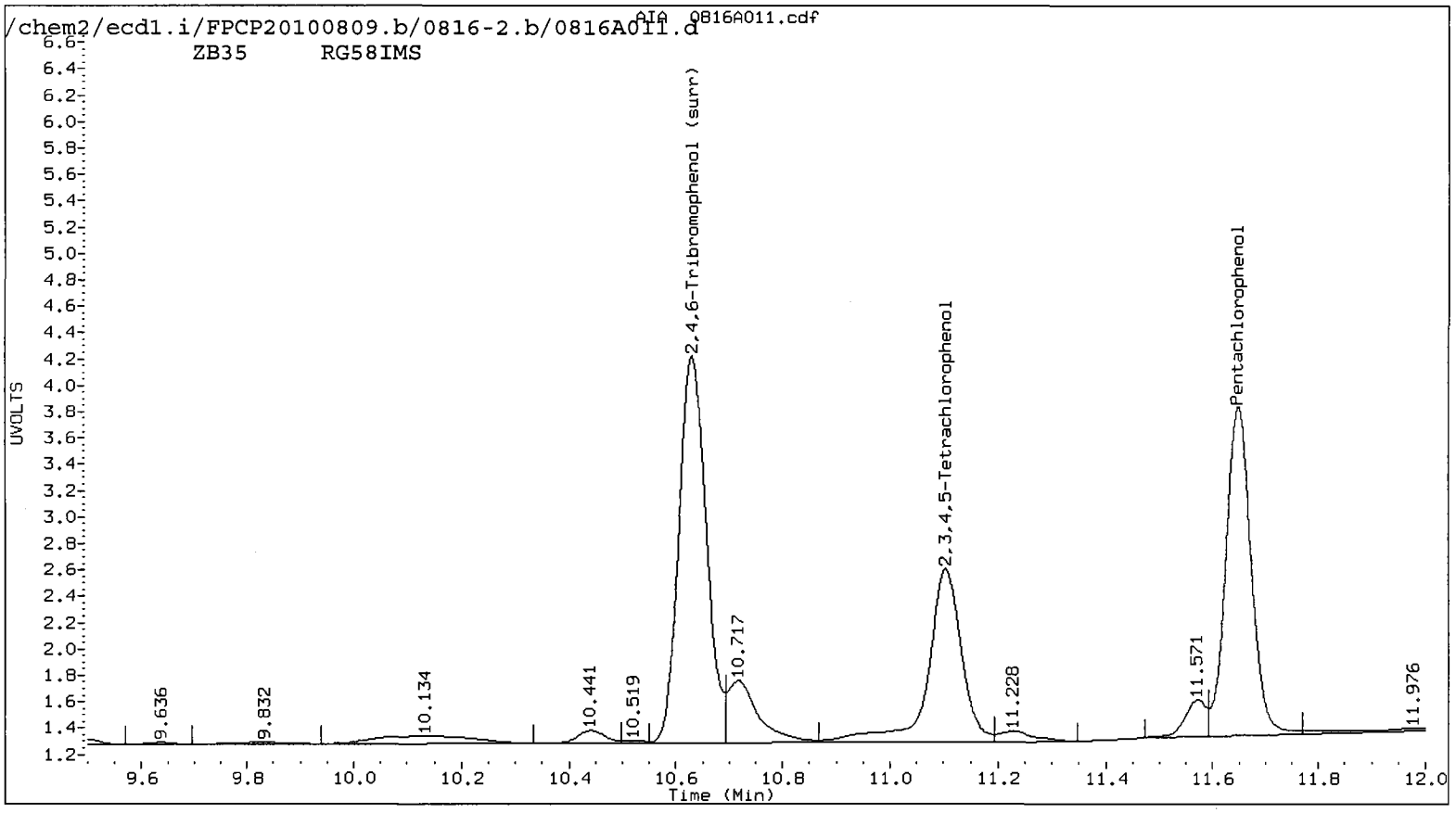
A1a 0816A011.cdf
ZB5 RG58IMS
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.578
9.833
10.080
10.229
10.598
10.661
10.820
10.927
11.069
11.574
11.756
11.930
Time (Min)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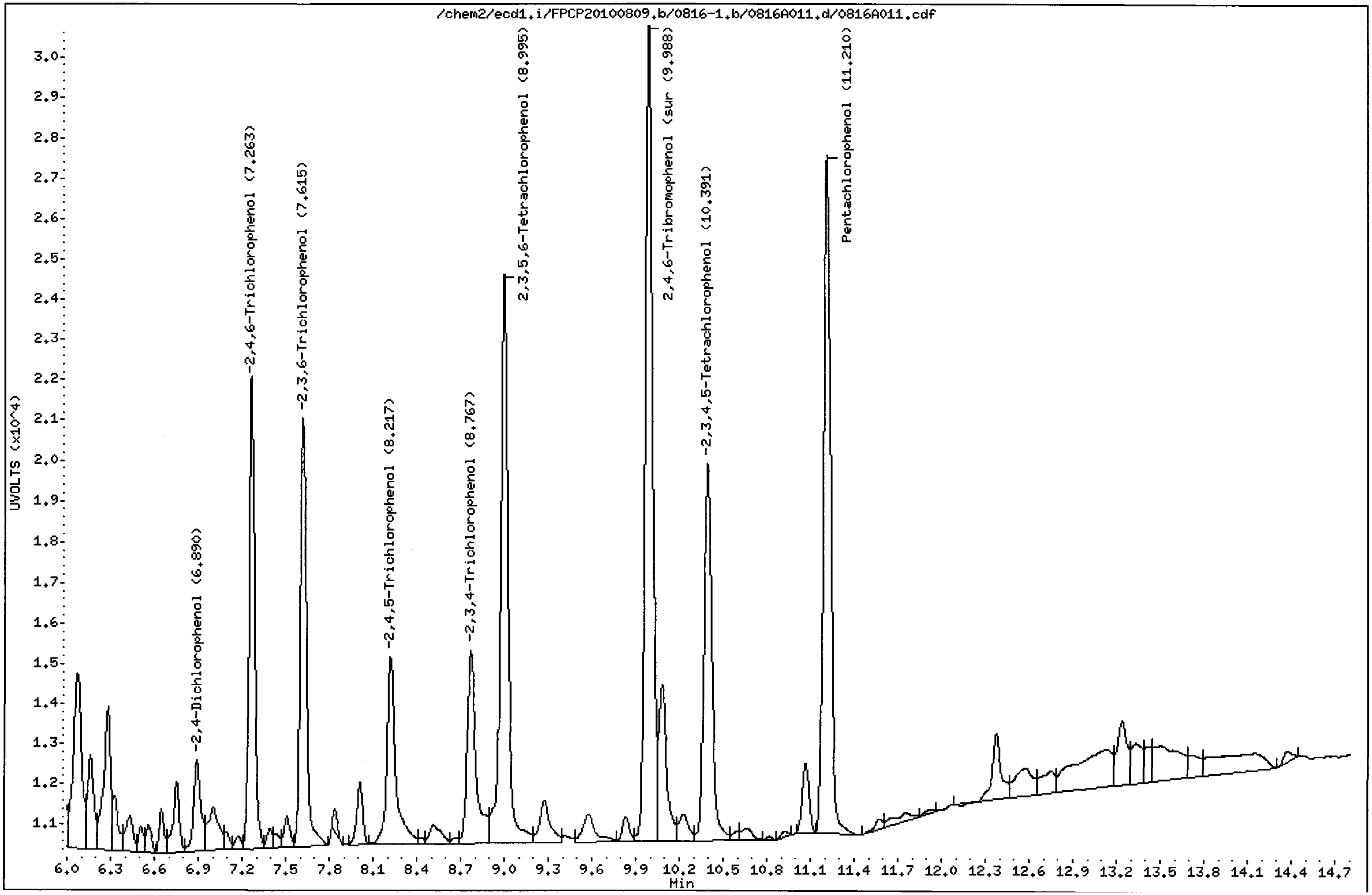
A1a 0816A011.cdf
ZB35 RG58IMS
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.636
9.832
10.134
10.441
10.519
10.717
11.228
11.571
11.976
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0816-1.b/0816A011.d
Date : 16-AUG-2010 19:43
Client ID: PSB23-2-4-07291 MS
Sample Info: RG58IMS

Column phase: ZB5

Instrument: ecd1.i

Operator: ar
Column diameter: 0.53



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Date : 16-AUG-2010 19:43

Client ID: PSB23-2-4-07291 MS

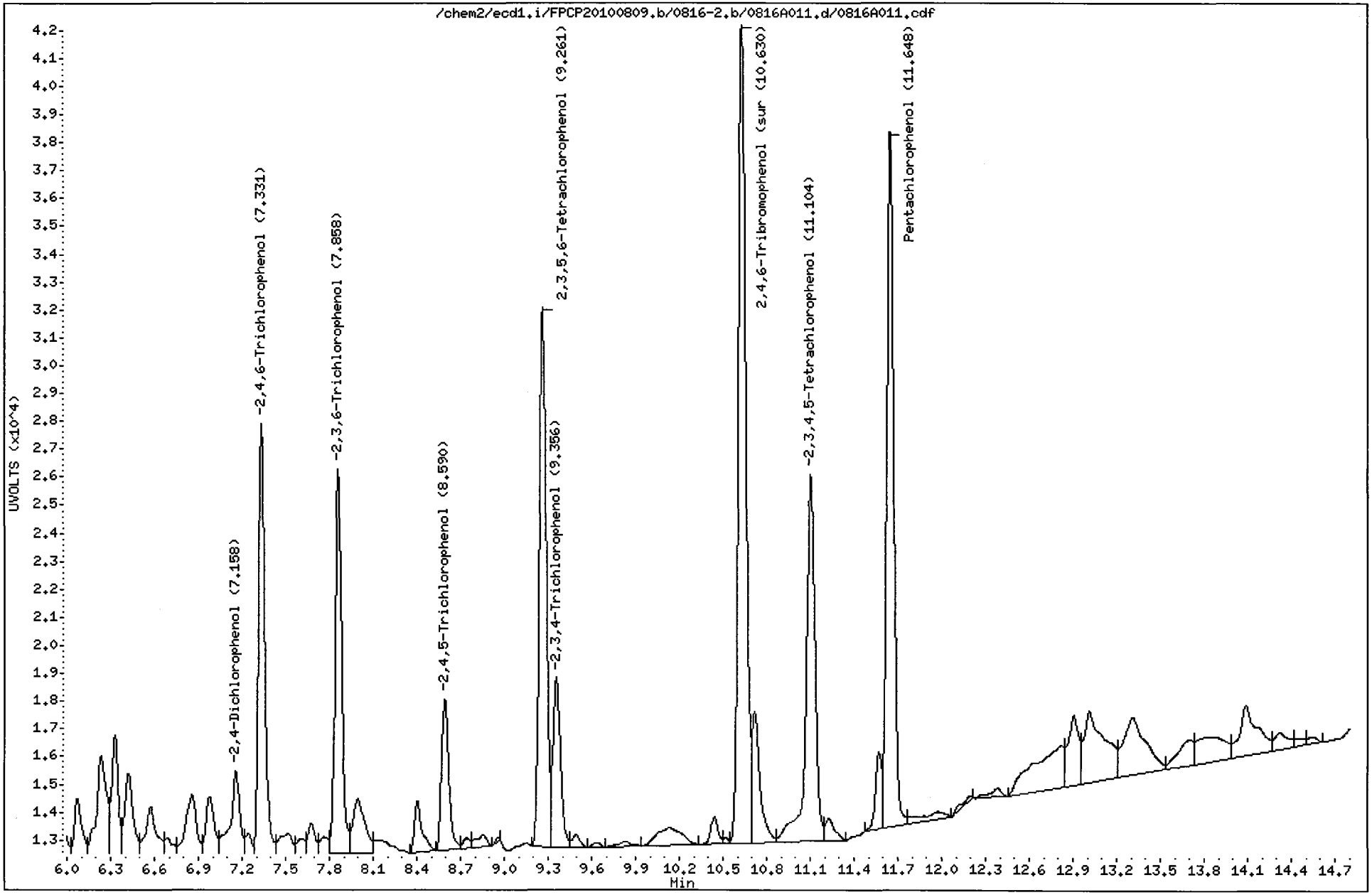
Sample Info: RG58IMS

Column phase: ZB35

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



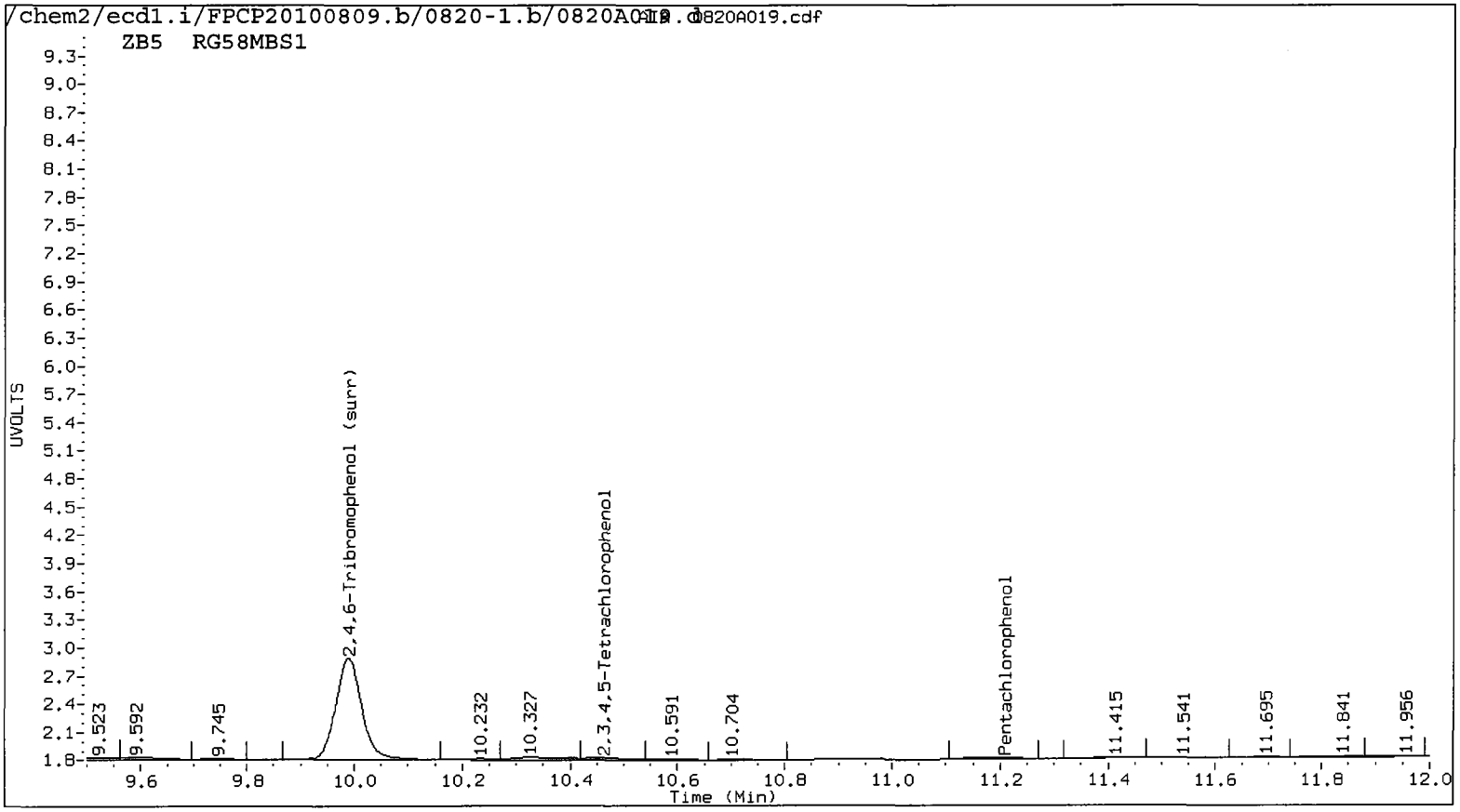
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report AR 8/21/2010

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A019.d ARI ID: RG58MBS1
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A019.d Client ID: RG58MBS1
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 19:51
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.211	-0.008	4496	11.669	0.011	15835	0.2496	0.6897	93.7*	Pentachlorophenol
7.288	0.024	20855	7.367	0.034	29978	2.1892	2.4013	9.2	2,4,6-Trichlorophenol
7.604	-0.015	7011	7.840	-0.024	11792	0.7158	0.9504	28.2	2,3,6-Trichlorophenol
8.211	-0.031	2128	8.620	0.005	7508	0.4216	1.0517	85.5*	2,4,5-Trichlorophenol
----			9.365	-0.015	2914	0.0000	0.3015	---	2,3,4-Trichlorophenol
9.013	0.006	48259	9.256	-0.021	10844	3.4213	0.5857	141.5*	2,3,5,6-Tetrachlorophenol
10.463	0.050	5706	----			0.4551	0.0000	---	2,3,4,5-Tetrachlorophenol
6.857	-0.036	10827	7.166	0.000	15935	17.2598	21.6064	22.4	2,4-Dichlorophenol
9.989	-0.013	189008	10.630	-0.016	277527	14.7	14.9	1.5	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	58.6	59.5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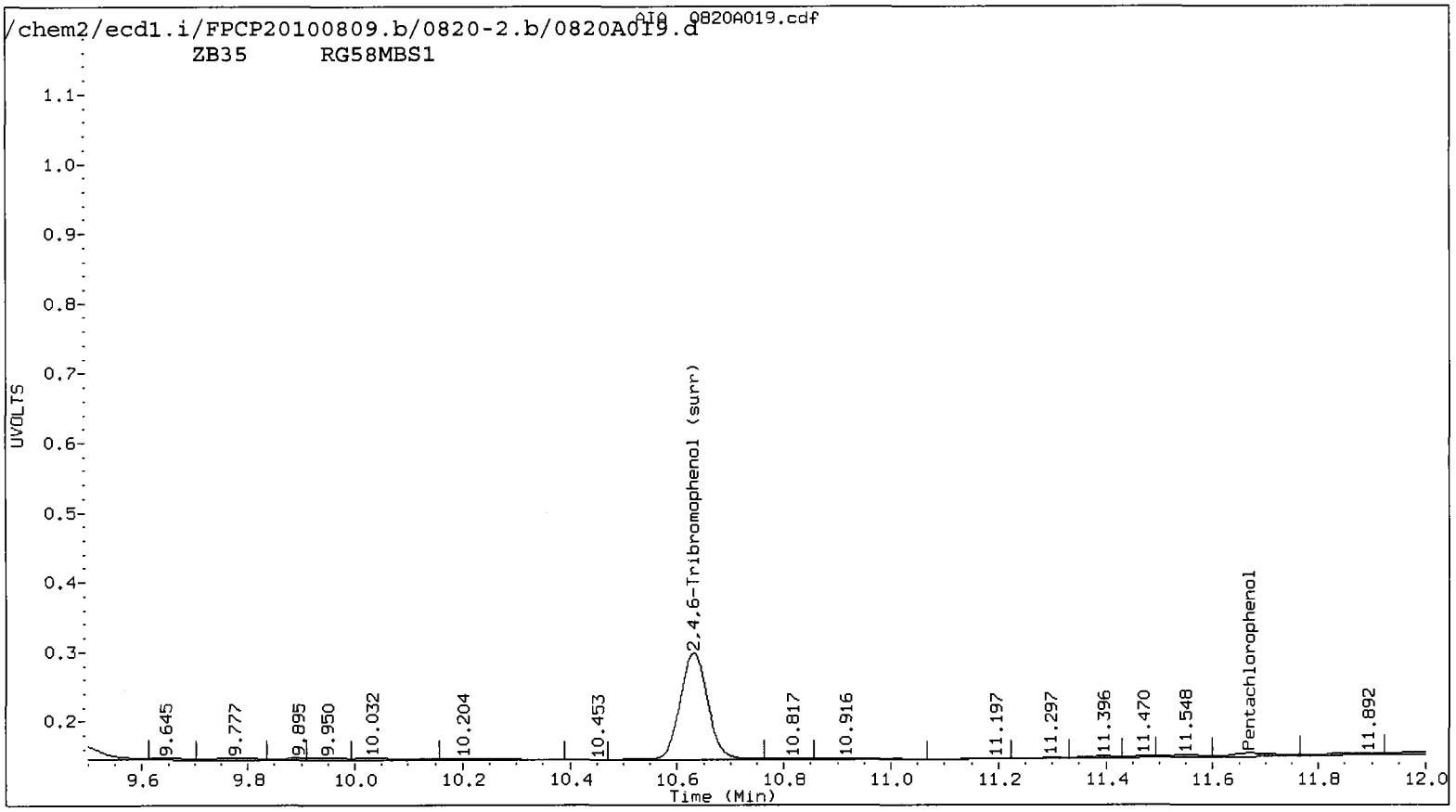
AIQ 0820A019.cdf
ZB5 RG58MBS1
UVOLTS
Time (Min)
9.523
9.592
9.745
2,4,6-Tribromophenol (surr)
10.232
10.327
2,3,4,5-Tetrachlorophenol
10.591
10.704
Pentachlorophenol
11.415
11.541
11.695
11.841
11.956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AIQ 0820A019.cdf
ZB35 RG58MBS1
UVOLTS
Time (Min)
9.645
9.777
9.895
9.950
10.032
10.204
10.453
2,4,6-Tribromophenol (surr)
10.817
10.916
11.197
11.297
11.396
11.470
11.548
Pentachlorophenol
11.892

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A019.d

Date : 20-AUG-2010 19:51

Client ID: RG58MBS1

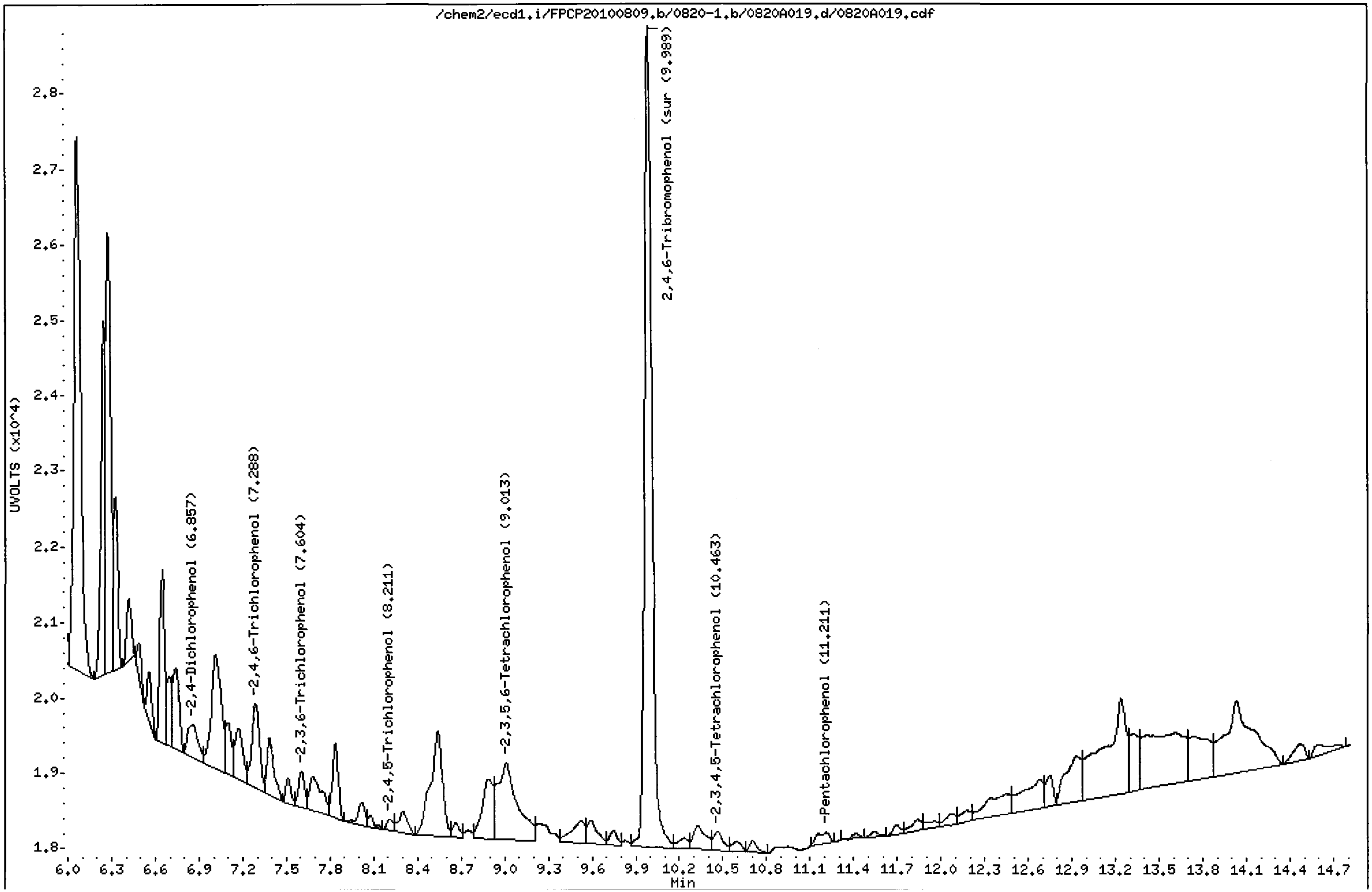
Sample Info: RG58MBS1

Column phase: ZB5

Instrument: ecd1.i

Operator: ar

Column diameter: 0.53



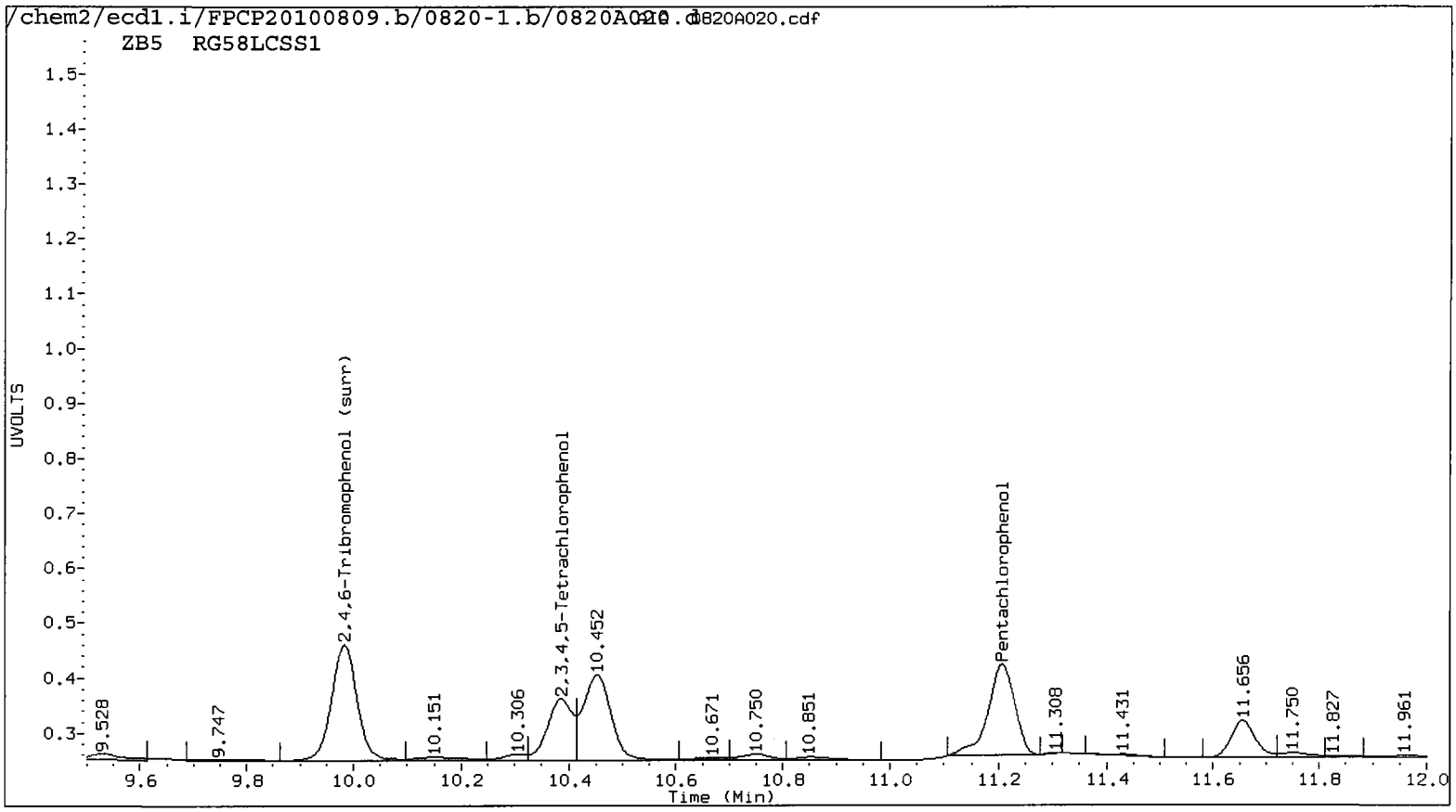
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A020.d ARI ID: RG58LCSS1
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A020.d Client ID: RG58LCSS1
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 20:11
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.207	-0.012	285460	11.647	-0.011	443467	17.7508	19.3136	8.4	Pentachlorophenol
7.262	-0.002	149093	7.329	-0.004	219185	17.0019	17.5565	3.2	2,4,6-Trichlorophenol
7.598	-0.021	596349	7.856	-0.008	202928	79.6161	16.3539	131.8*	2,3,6-Trichlorophenol
8.210	-0.032	72789	8.587	-0.028	110621	14.4209	17.0270	16.6	2,4,5-Trichlorophenol
8.756	-0.036	99329	9.350	-0.030	134368	14.5196	15.1482	4.2	2,3,4-Trichlorophenol
8.992	-0.015	243456	9.259	-0.018	317587	17.2595	17.1531	0.6	2,3,5,6-Tetrachlorophenol
10.385	-0.028	179600	11.102	-0.024	243727	16.4605	16.7043	1.5	2,3,4,5-Tetrachlorophenol
6.882	-0.011	74613	7.157	-0.009	72786	138.2695	106.5012	26.0	2,4-Dichlorophenol
9.983	-0.019	353477	10.626	-0.020	573850	29.1	30.7	5.5	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	71.0	77.3
2,4,6-Trichlorophenol	68.0	70.2
2,3,6-Trichlorophenol	318.5	65.4
2,4,5-Trichlorophenol	57.7	68.1
2,3,4-Trichlorophenol	58.1	60.6
2,3,5,6-Tetrachlorophenol	69.0	68.6
2,3,4,5-Tetrachlorophenol	65.8	66.8
2,4-Dichlorophenol	55.3	42.6
2,4,6-TBP (surr)	58.2	61.5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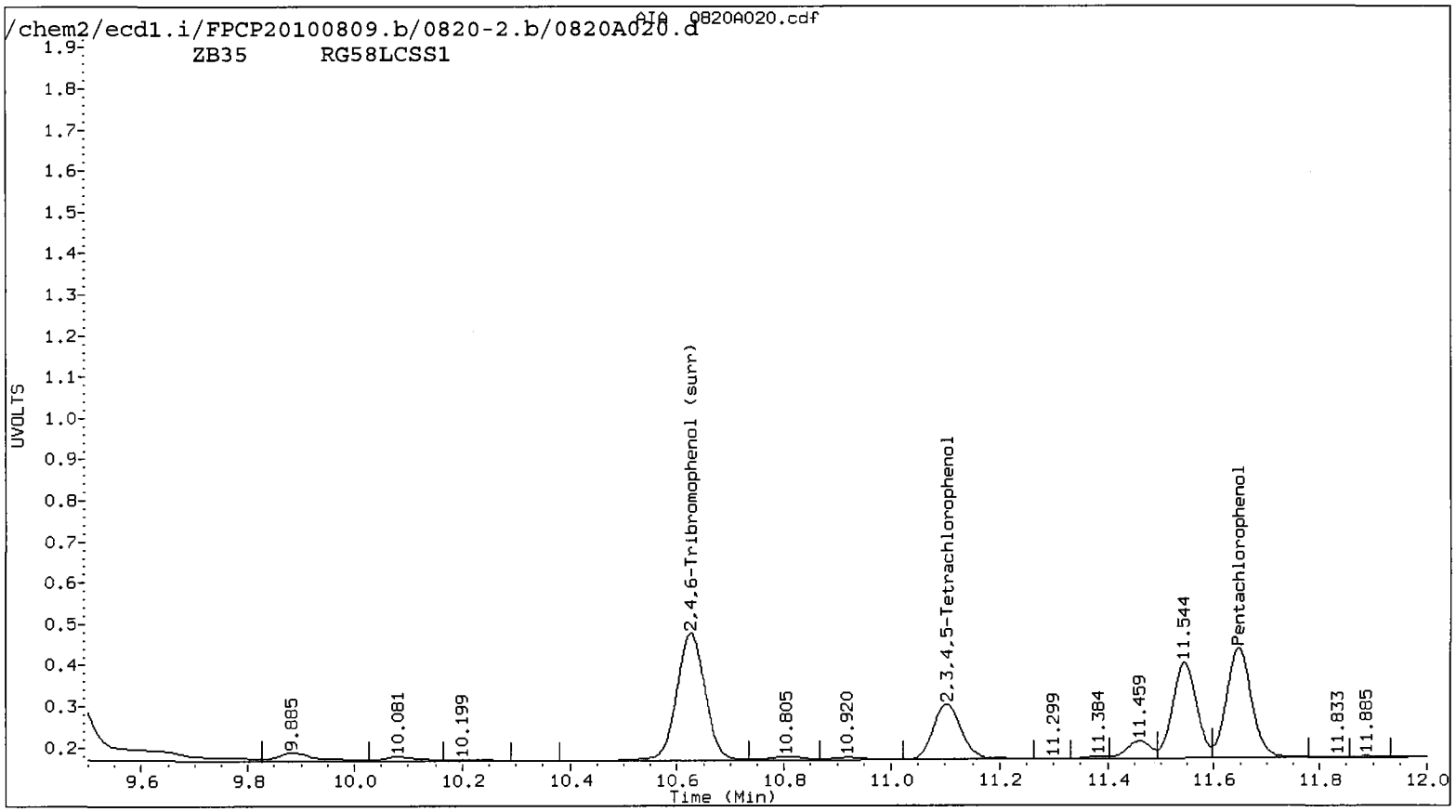
0820A020.cdf
ZB5 RG58LCSS1
UVOLTS
Time (Min)
9.528
9.747
2,4,6-Tribromophenol (surr)
10.151
10.306
2,3,4,5-Tetrachlorophenol
10.452
10.671
10.750
10.851
Pentachlorophenol
11.308
11.431
11.656
11.750
11.827
11.961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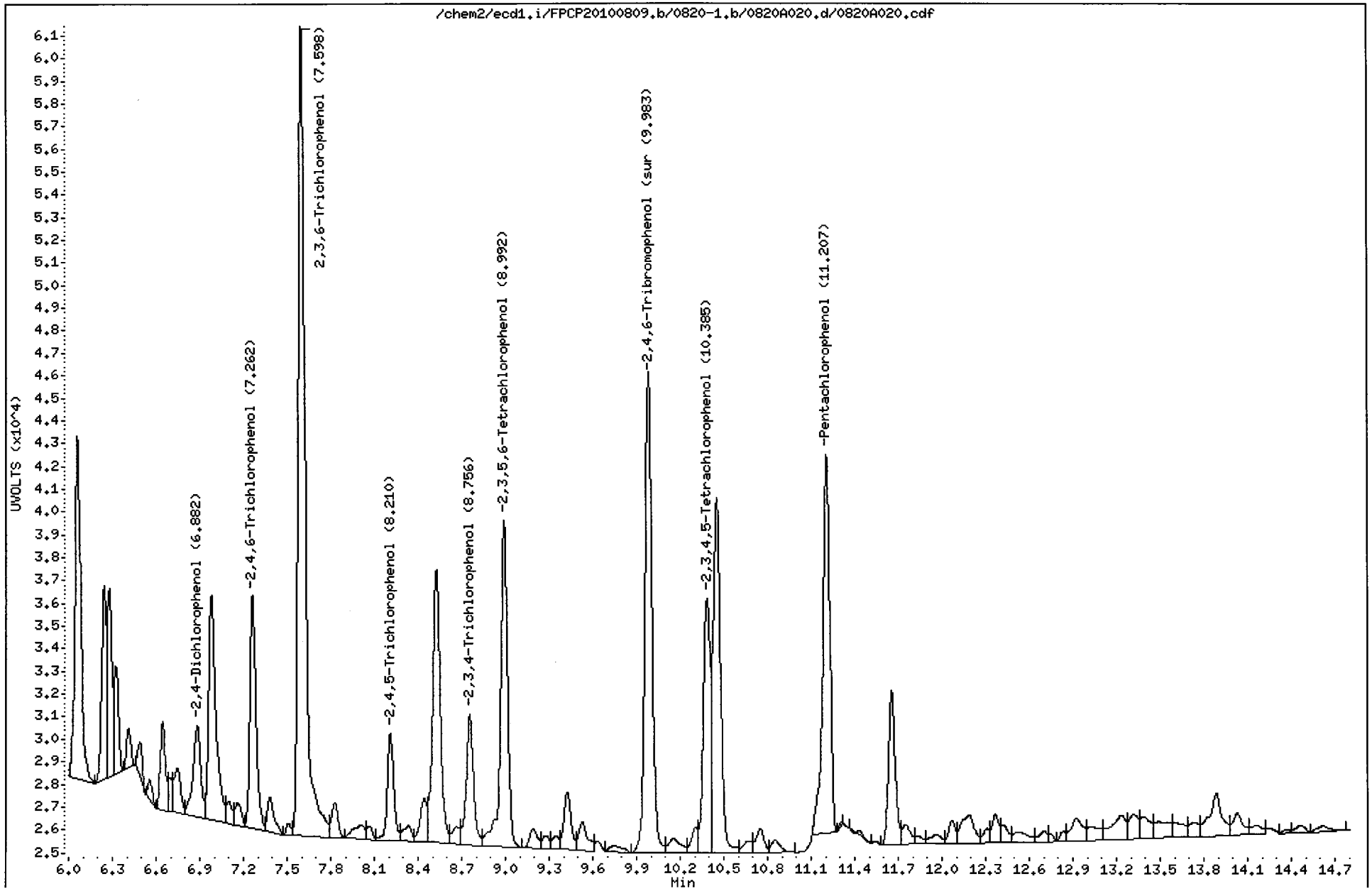
0820A020.cdf
ZB35 RG58LCSS1
UVOLTS
Time (Min)
9.885
10.081
10.199
2,4,6-Tribromophenol (surr)
10.805
10.920
2,3,4,5-Tetrachlorophenol
11.299
11.384
11.459
11.544
Pentachlorophenol
11.833
11.885

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A020.d
Date : 20-AUG-2010 20:11
Client ID: RG58LCSS1
Sample Info: RG58LCSS1

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 81009

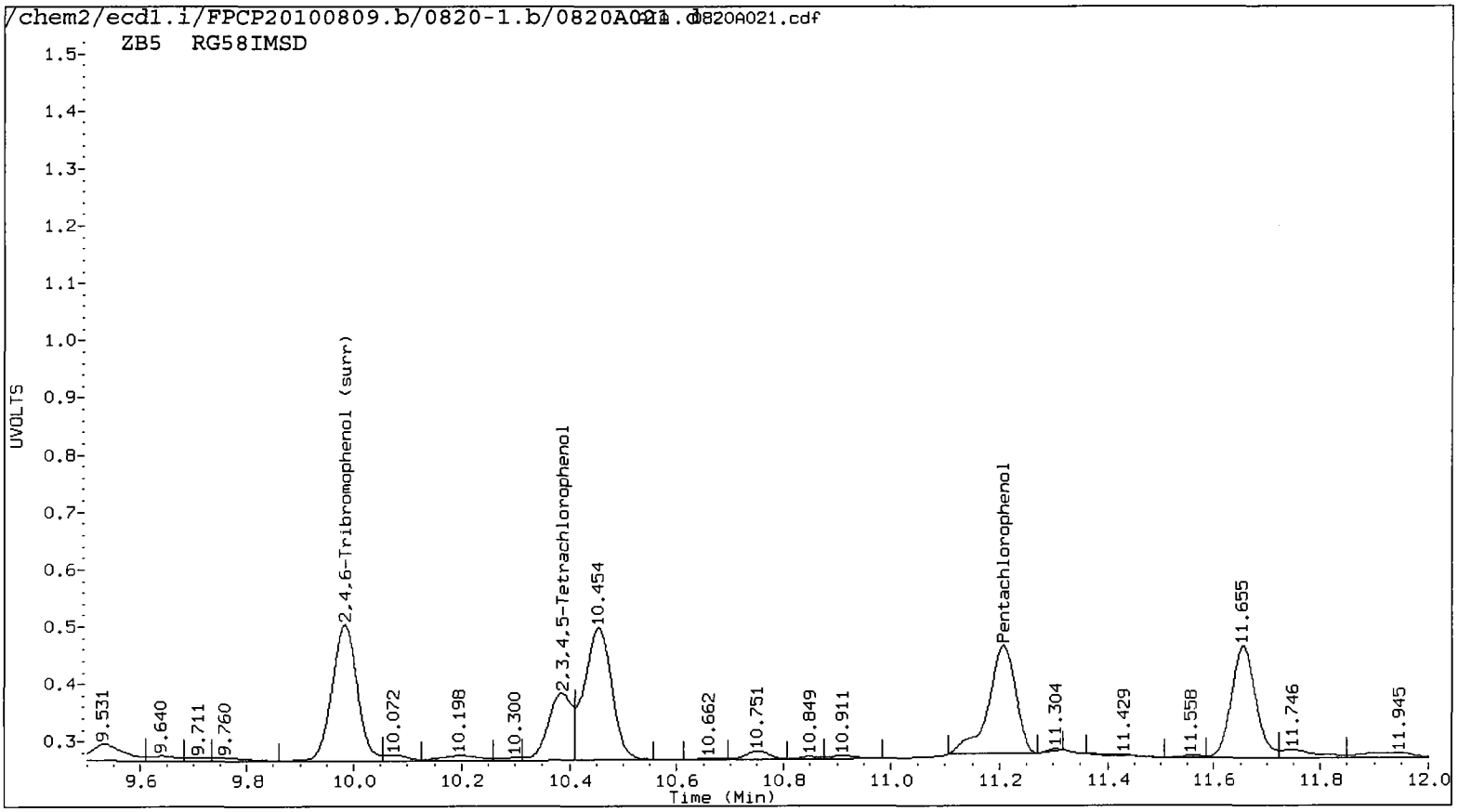
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A021.d ARI ID: RG58IMSD
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A021.d Client ID: PSB23-2-4-07291 MSD
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 20:31
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.207	-0.012	327254	11.646	-0.012	512681	20.6745	22.3279	7.7	Pentachlorophenol
7.263	-0.001	202706	7.330	-0.003	292696	23.8839	23.4446	1.9	2,4,6-Trichlorophenol
7.597	-0.022	976922	7.857	-0.007	244044	150.2494	19.6674	153.7*	2,3,6-Trichlorophenol
8.210	-0.032	89277	8.587	-0.028	131680	17.6874	20.6407	15.4	2,4,5-Trichlorophenol
8.754	-0.038	176405	9.348	-0.032	160293	25.7862	18.3649	33.6	2,3,4-Trichlorophenol
8.991	-0.016	265854	9.258	-0.019	384574	18.8474	20.7711	9.7	2,3,5,6-Tetrachlorophenol
10.386	-0.027	178097	11.100	-0.026	260815	16.3045	17.8755	9.2	2,3,4,5-Tetrachlorophenol
6.886	-0.007	118591	7.157	-0.009	111759	240.9572	171.7491	33.5	2,4-Dichlorophenol
9.983	-0.019	391283	10.624	-0.022	763756	32.6	40.9	22.6	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	82.7	89.3
2,4,6-Trichlorophenol	95.5	93.8
2,3,6-Trichlorophenol	601.0	78.7
2,4,5-Trichlorophenol	70.7	82.6
2,3,4-Trichlorophenol	103.1	73.5
2,3,5,6-Tetrachlorophenol	75.4	83.1
2,3,4,5-Tetrachlorophenol	65.2	71.5
2,4-Dichlorophenol	96.4	68.7
2,4,6-TBP (surr)	65.2	81.8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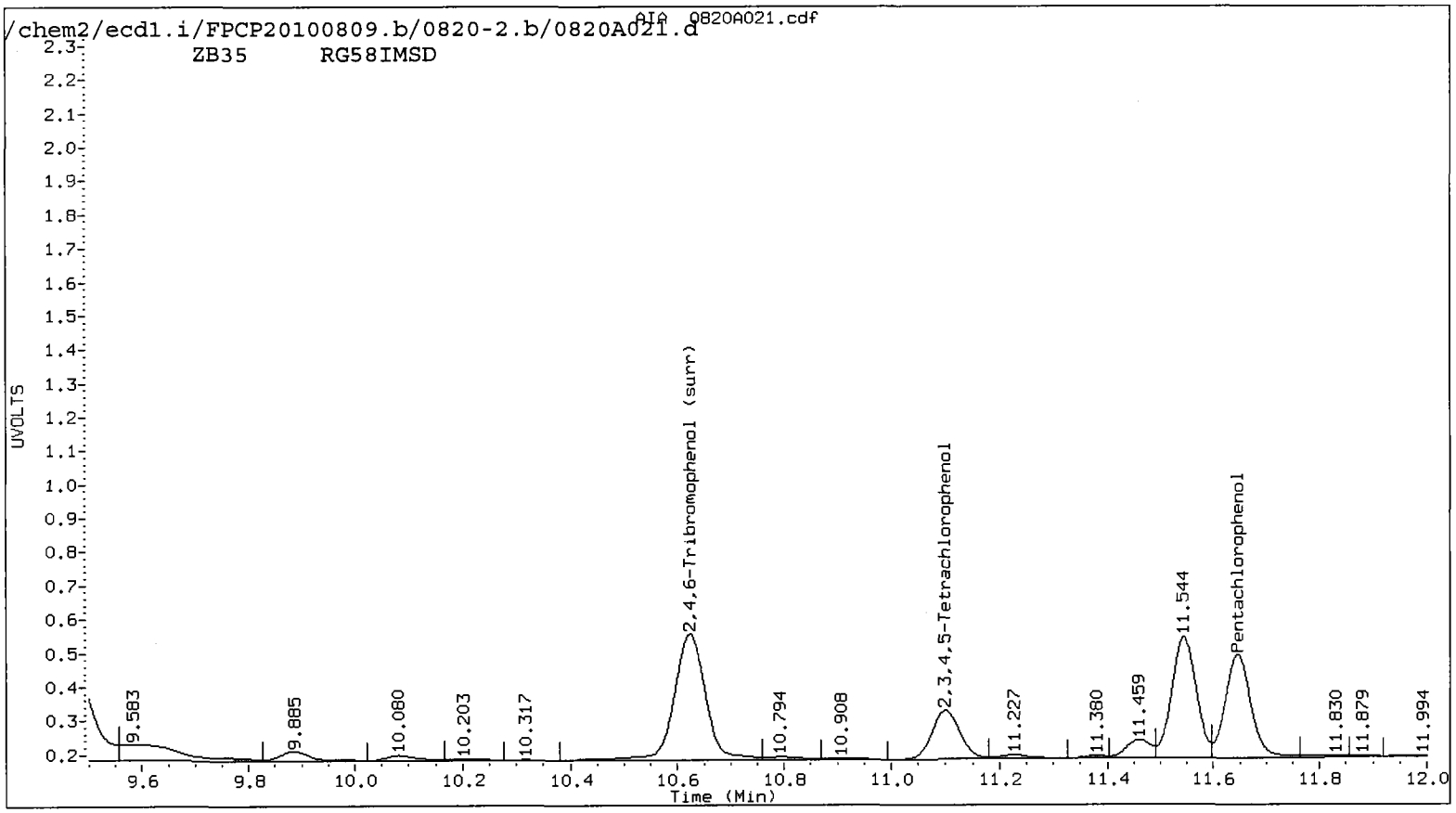
0820A021.cdf
ZB5 RG58IMSD
UVOLTS
Time (Min)
9.531
9.640
9.711
9.760
2,4,6-Tribromophenol (surr)
10.072
10.198
10.300
2,3,4,5-Tetrachlorophenol
10.454
10.662
10.751
10.849
10.911
Pentachlorophenol
11.304
11.429
11.558
11.655
11.746
11.945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0820A021.cdf
ZB35 RG58IMSD
UVOLTS
Time (Min)
9.583
9.885
10.080
10.203
10.317
2,4,6-Tribromophenol (surr)
10.794
10.908
2,3,4,5-Tetrachlorophenol
11.227
11.380
11.459
11.544
Pentachlorophenol
11.830
11.879
11.994

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A021.d

Date : 20-AUG-2010 20:31

Client ID: PSB23-2-4-07291 MSD

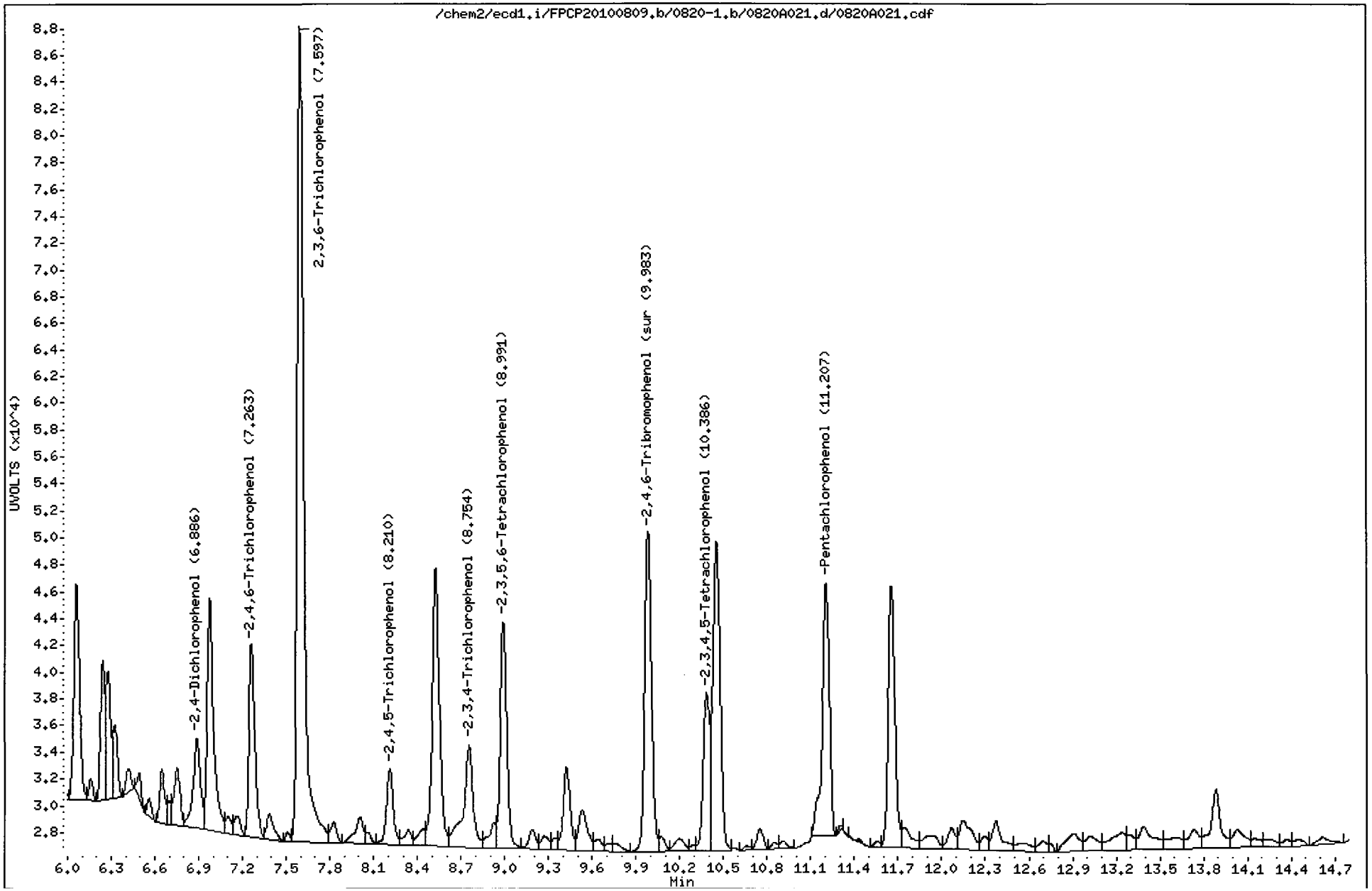
Instrument: ecd1.i

Sample Info: RG58IMSD

Operator: ar

Column phase: ZB5

Column diameter: 0.53



RG58 : 01012

Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

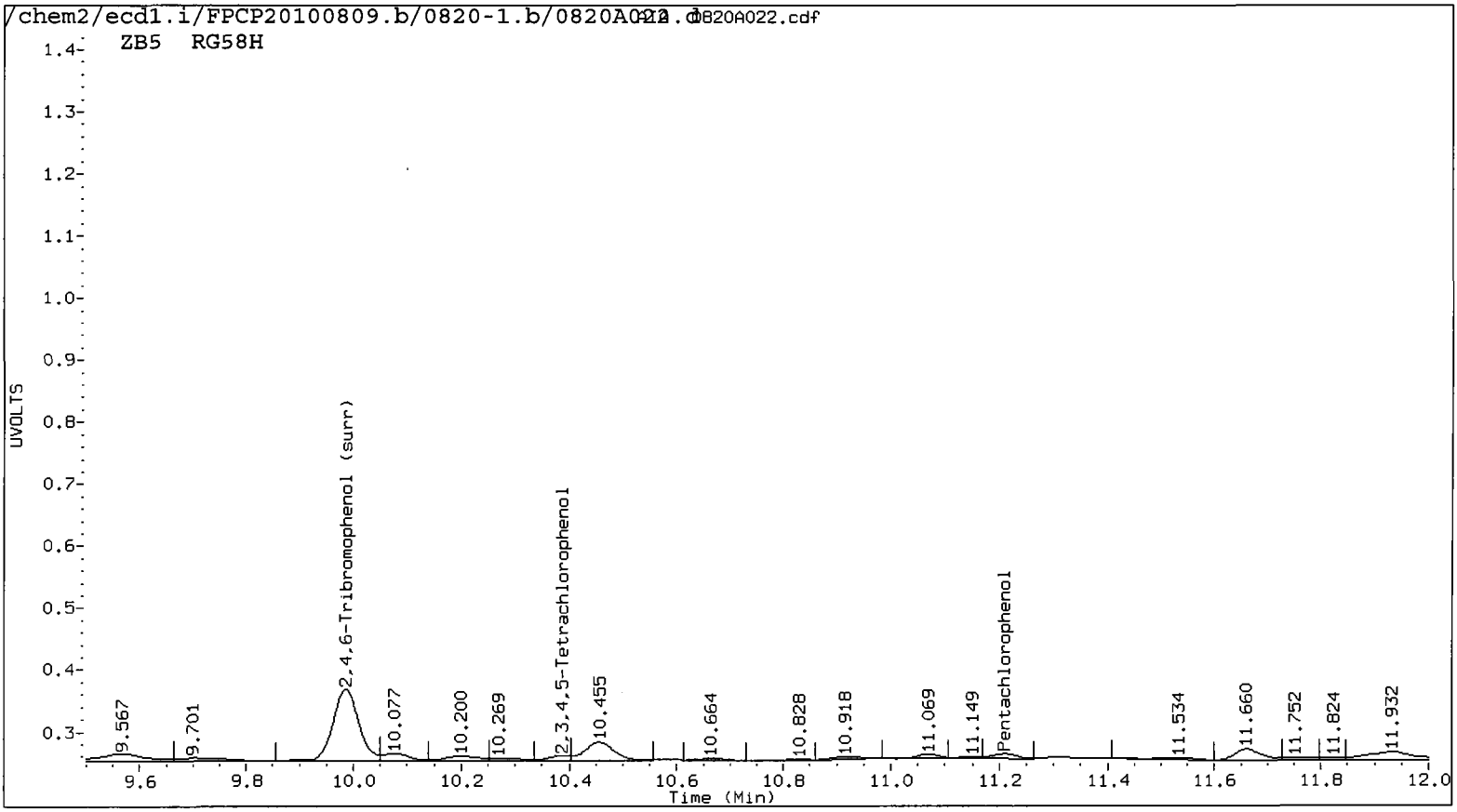
AR 8/21/2010

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A022.d ARI ID: RG58H
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A022.d Client ID: PSB23-1.5-2-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 20:51
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	ZB-5 Col Shift	ZB-5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB-5 on col	ZB35 on col	RPD	Compound
11.210	-0.009	11032	11.650	-0.008	40344	0.6141	1.7570	96.4*	Pentachlorophenol
7.275	0.011	43062	7.325	-0.008	32414	4.5879	2.5964	55.4*	2,4,6-Trichlorophenol
7.600	-0.019	102797	7.843	-0.021	10823	11.0188	0.8722	170.7*	2,3,6-Trichlorophenol
8.187	-0.055	12366	8.614	-0.001	20913	2.4499	2.9671	19.1	2,4,5-Trichlorophenol
----			9.396	0.016	6292	0.0000	0.6523	---	2,3,4-Trichlorophenol
9.009	0.002	31660	9.283	0.006	29406	2.2445	1.5883	34.2	2,3,5,6-Tetrachlorophenol
10.386	-0.027	11105	11.073	-0.053	66291	0.8897	4.5434	134.5*	2,3,4,5-Tetrachlorophenol
6.912	0.019	19717	7.166	0.000	8153	32.1416	10.9355	98.5*	2,4-Dichlorophenol
9.986	-0.016	193167	10.627	-0.019	296313	15.0	15.9	5.7	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	60.0	63.5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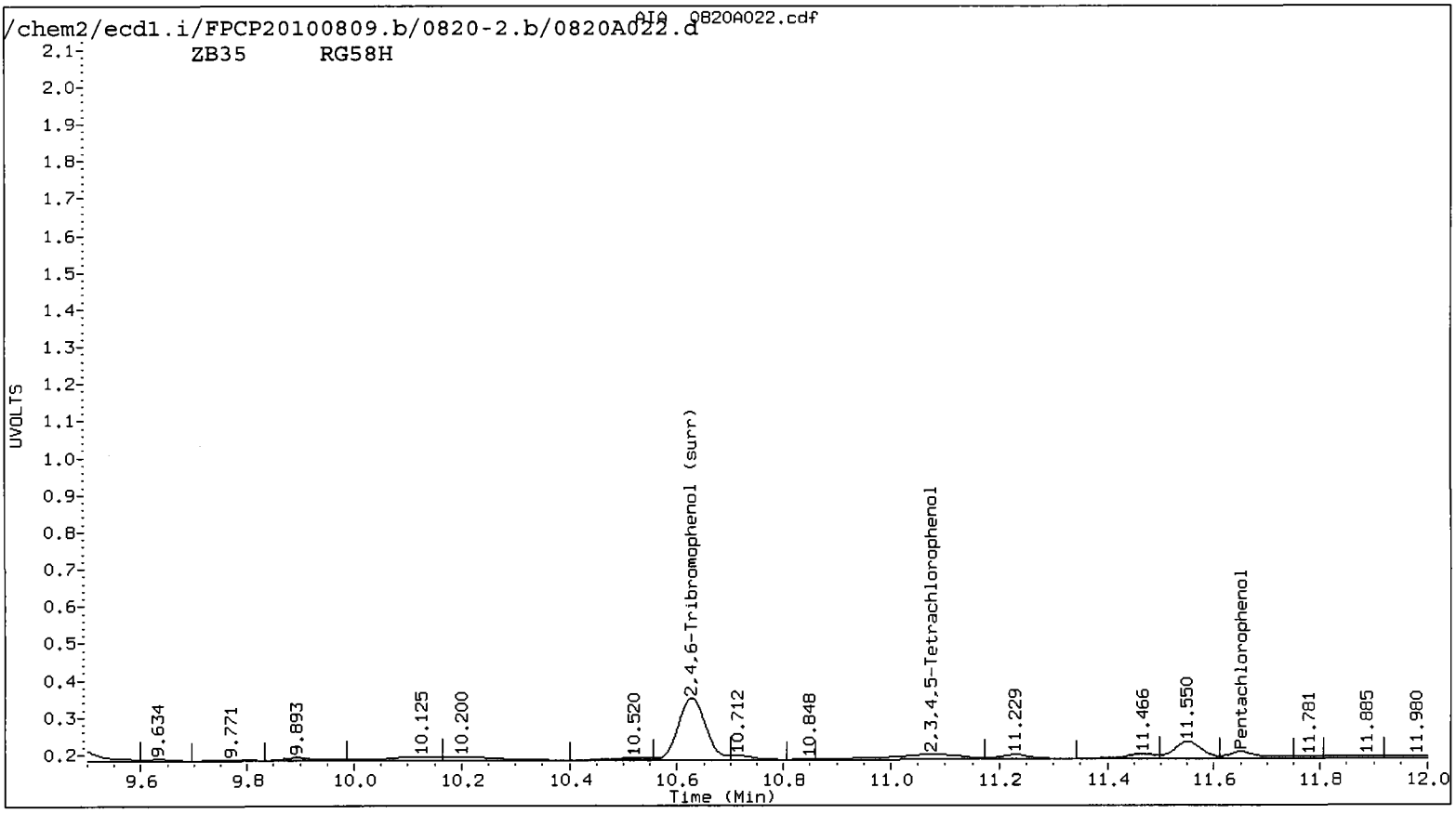
0820A022.cdf
ZB5 RG58H
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.567
9.701
10.077
10.200
10.269
10.455
10.664
10.828
10.918
11.069
11.149
11.534
11.660
11.752
11.824
11.932
Time (Min)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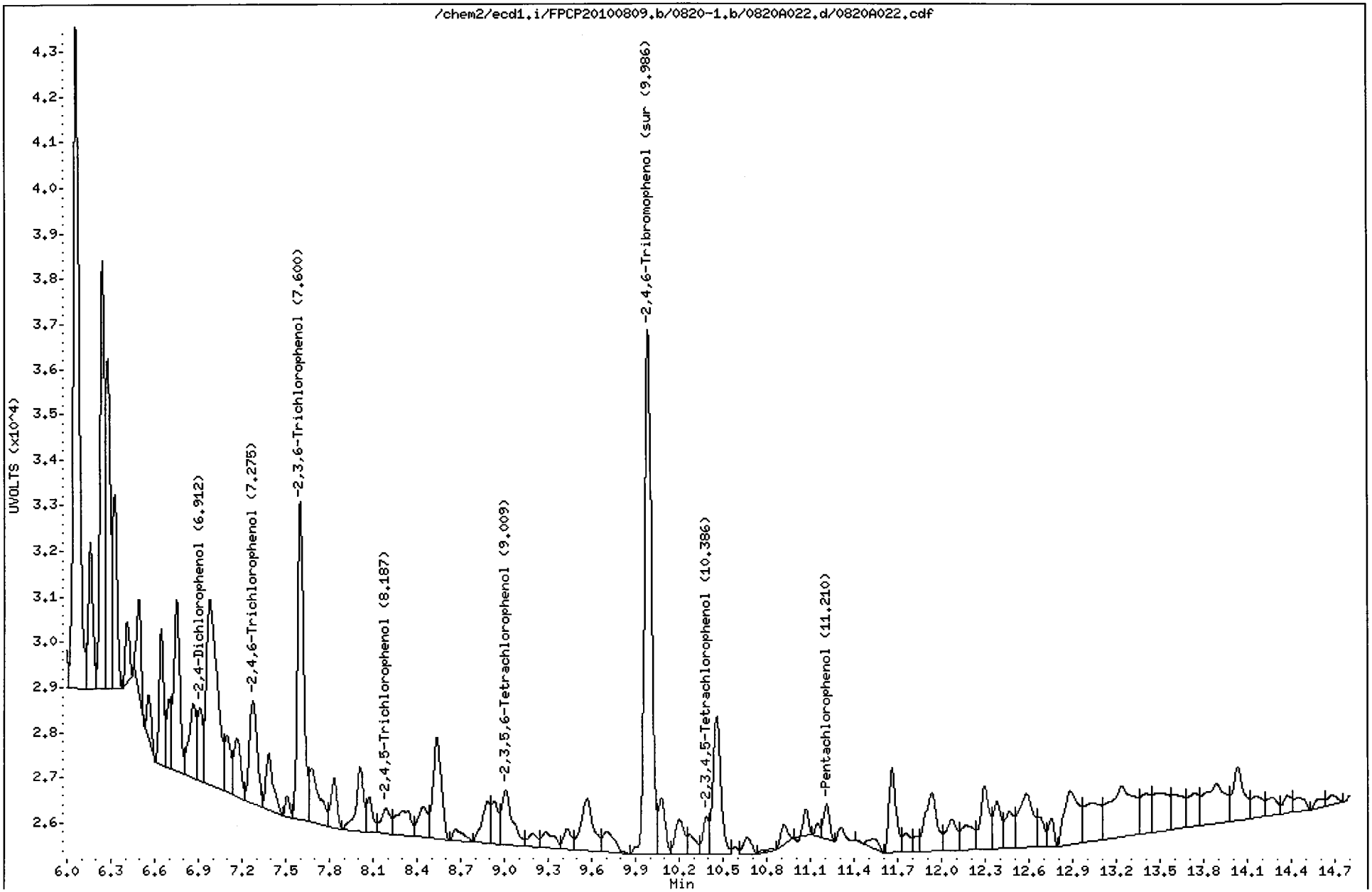
0820A022.cdf
ZB35 RG58H
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.634
9.771
9.893
10.125
10.200
10.520
10.712
10.848
11.229
11.466
11.550
11.781
11.885
11.980
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A022.d
Date : 20-AUG-2010 20:51
Client ID: PSB23-1.5-2-072910
Sample Info: RG58H

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



RG58 : 01015

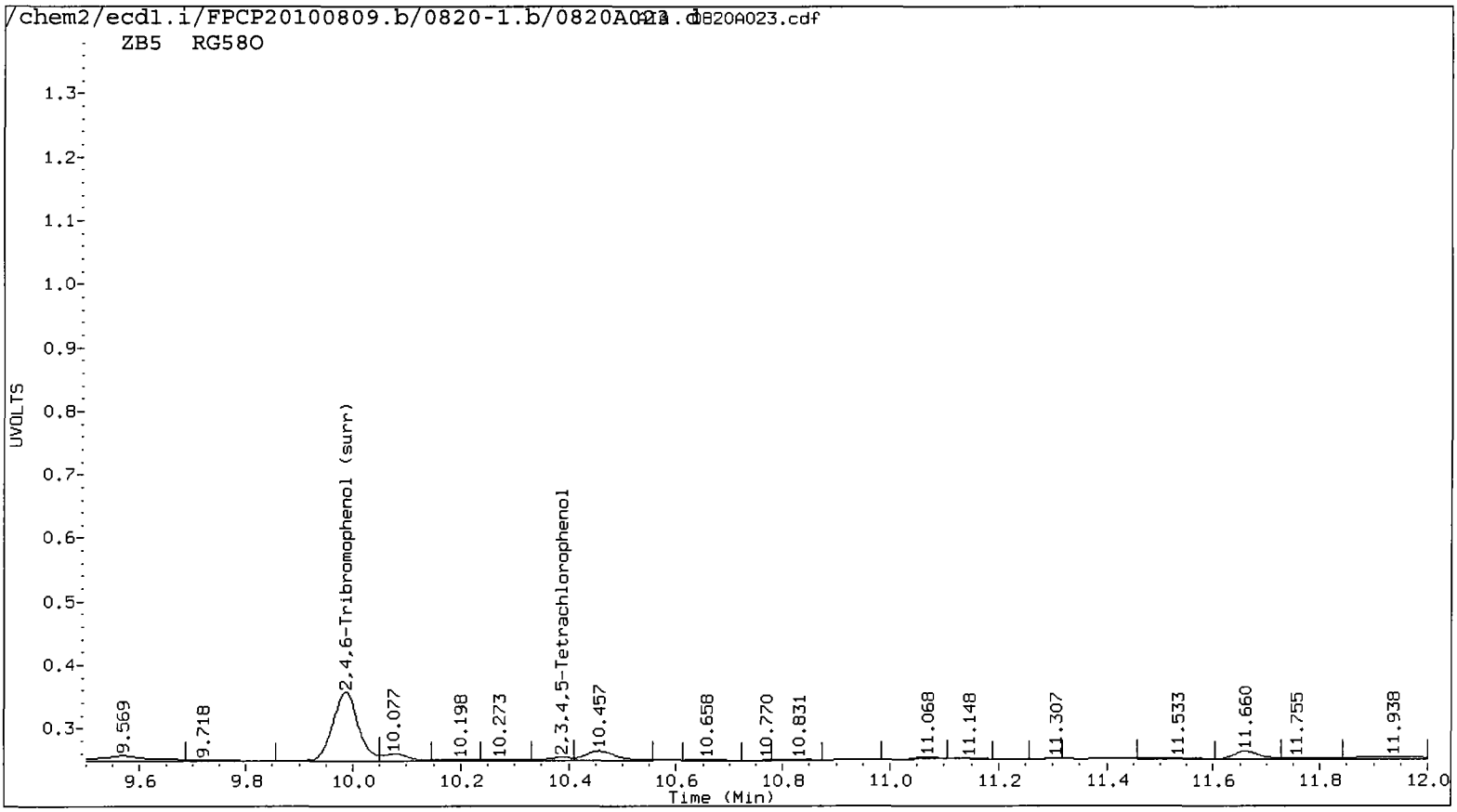
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A023.d ARI ID: RG580
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A023.d Client ID: PSB24-2-4-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 21:11
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col RT	ZB-5 Col Shift	ZB-5 Col Response	ZB35 Col RT	ZB35 Col Shift	ZB35 Col Response	ZB-5 on col	ZB35 on col	RPD	Compound
----			11.654	-0.004	8877	0.0000	0.3866	---	Pentachlorophenol
7.283	0.019	15992	7.306	-0.027	17580	1.6733	1.4082	17.2	2,4,6-Trichlorophenol
7.601	-0.018	80586	7.842	-0.022	4406	8.5425	0.3551	184.0*	2,3,6-Trichlorophenol
8.256	0.014	3226	8.615	0.000	19020	0.6393	2.6938	123.3*	2,4,5-Trichlorophenol
----			9.370	-0.010	3697	0.0000	0.3827	---	2,3,4-Trichlorophenol
9.009	0.002	7652	9.287	0.010	11764	0.5425	0.6354	15.8	2,3,5,6-Tetrachlorophenol
10.387	-0.026	8474	11.078	-0.048	106452	0.6774	7.2959	166.0*	2,3,4,5-Tetrachlorophenol
6.914	0.021	61225	7.166	0.000	6478	110.1303	8.6687	170.8*	2,4-Dichlorophenol
9.986	-0.016	180505	10.627	-0.019	287159	13.9	15.4	9.8	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	55.8	61.5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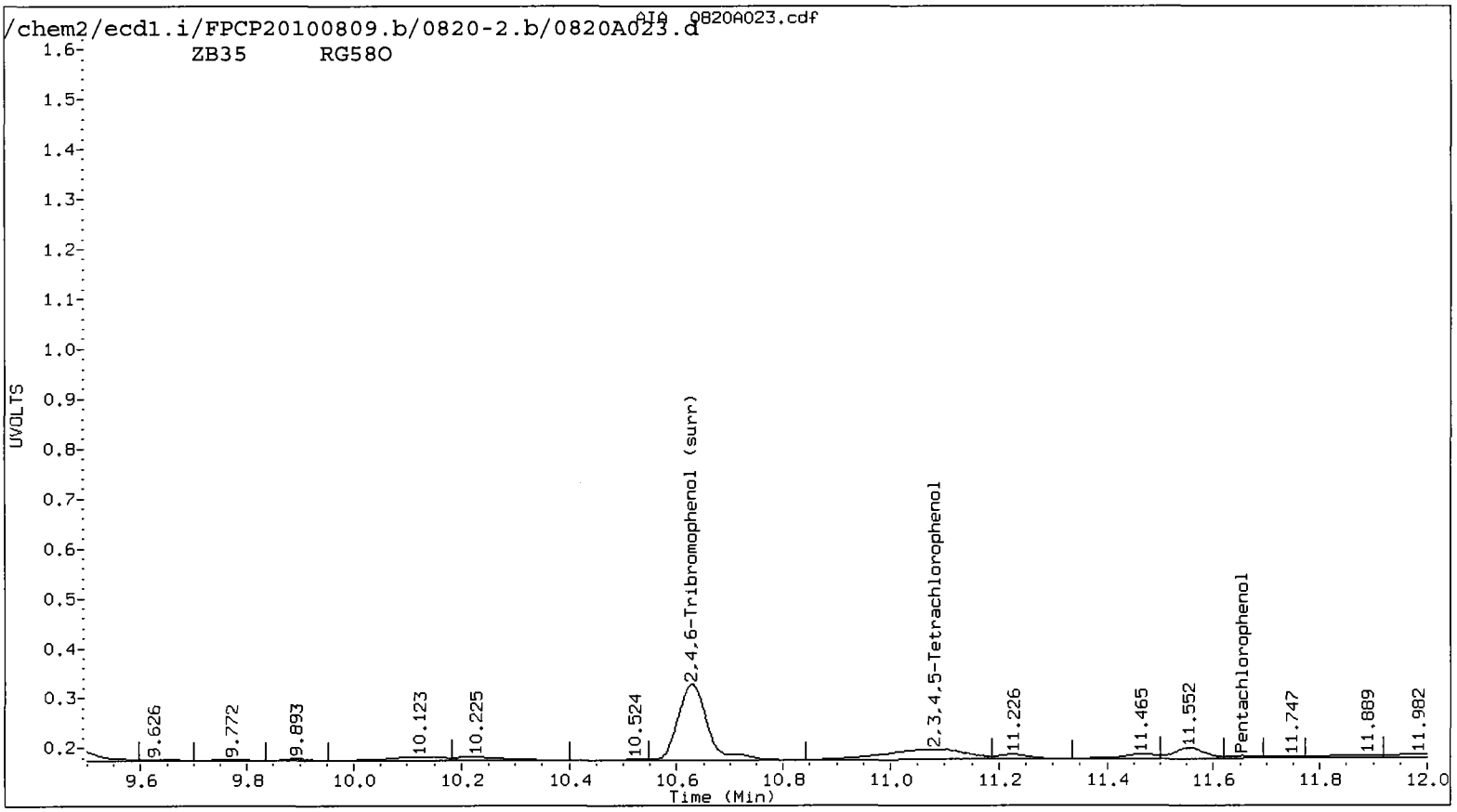
AIQ 0820A023.cdf
ZB5 RG58O
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
9.569
9.718
10.077
10.198
10.273
10.457
10.658
10.770
10.831
11.068
11.148
11.307
11.533
11.660
11.755
11.938
Time (Min)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AIQ 0820A023.cdf
ZB35 RG58O
UVOLTS
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
9.626
9.772
9.893
10.123
10.225
10.524
11.226
11.465
11.552
11.747
11.889
11.982
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A023.d

Page 1

Date : 20-AUG-2010 21:11

Client ID: PSB24-2-4-072910

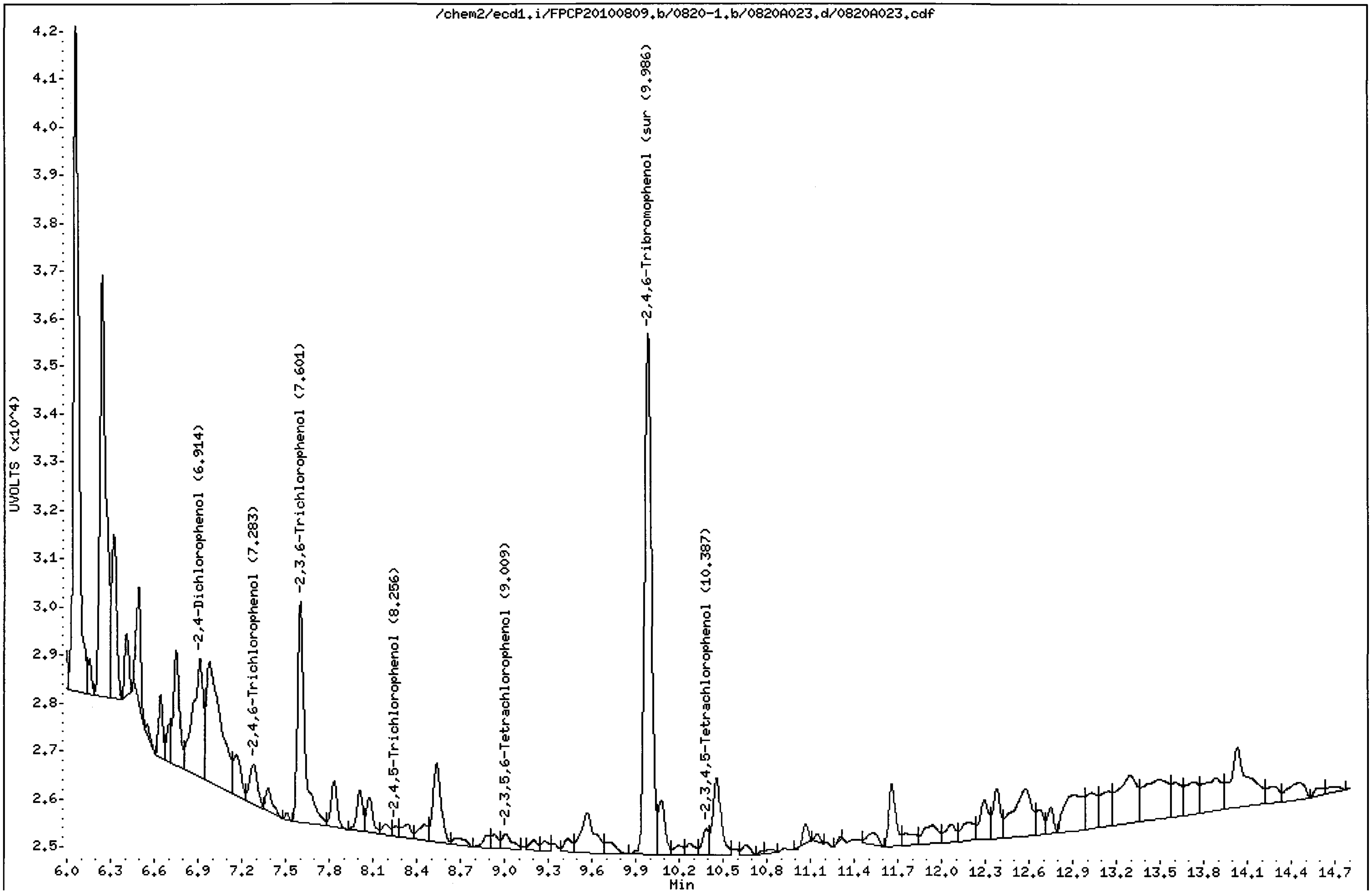
Instrument: ecd1.i

Sample Info: RG580

Operator: ar

Column phase: ZB5

Column diameter: 0.53



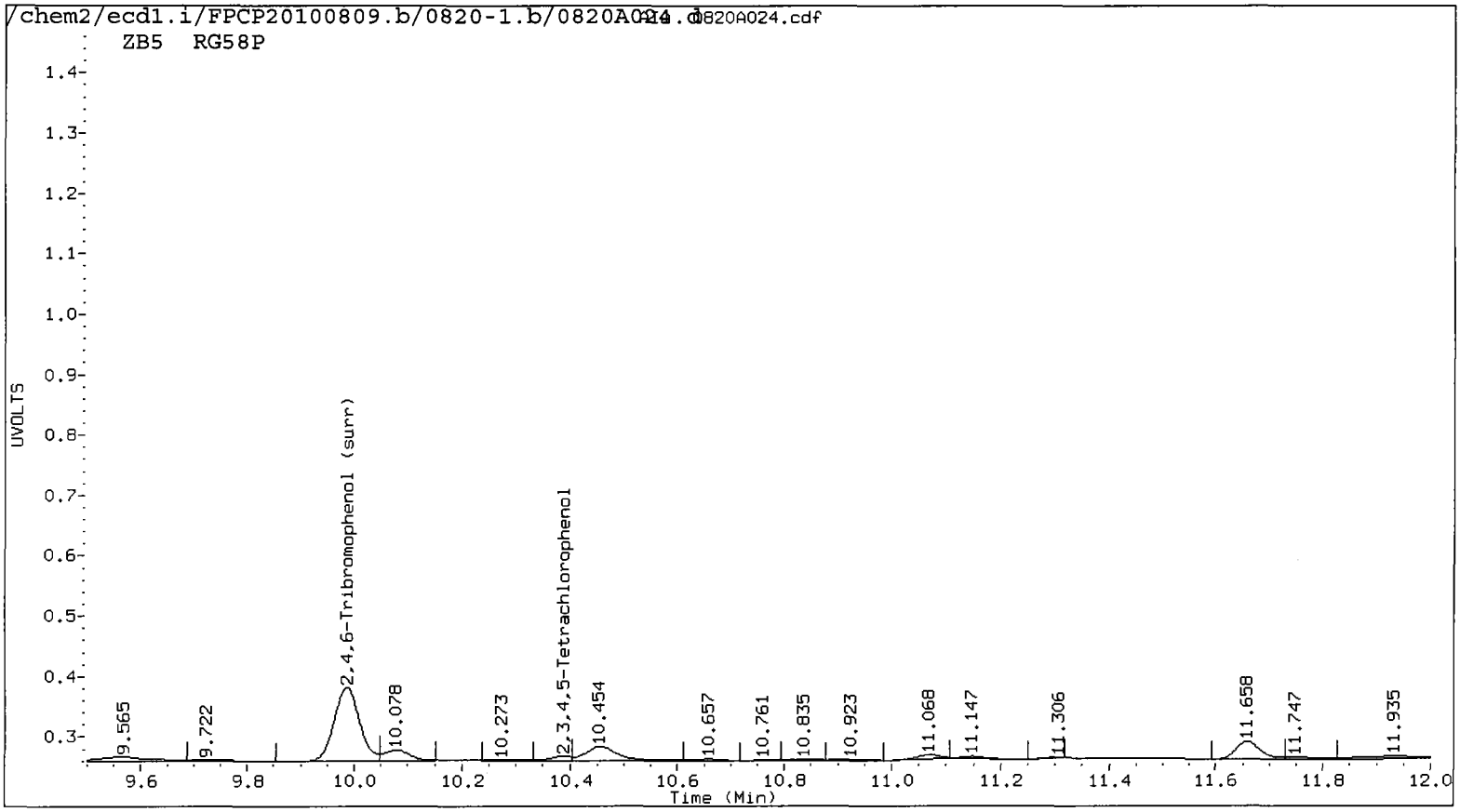
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

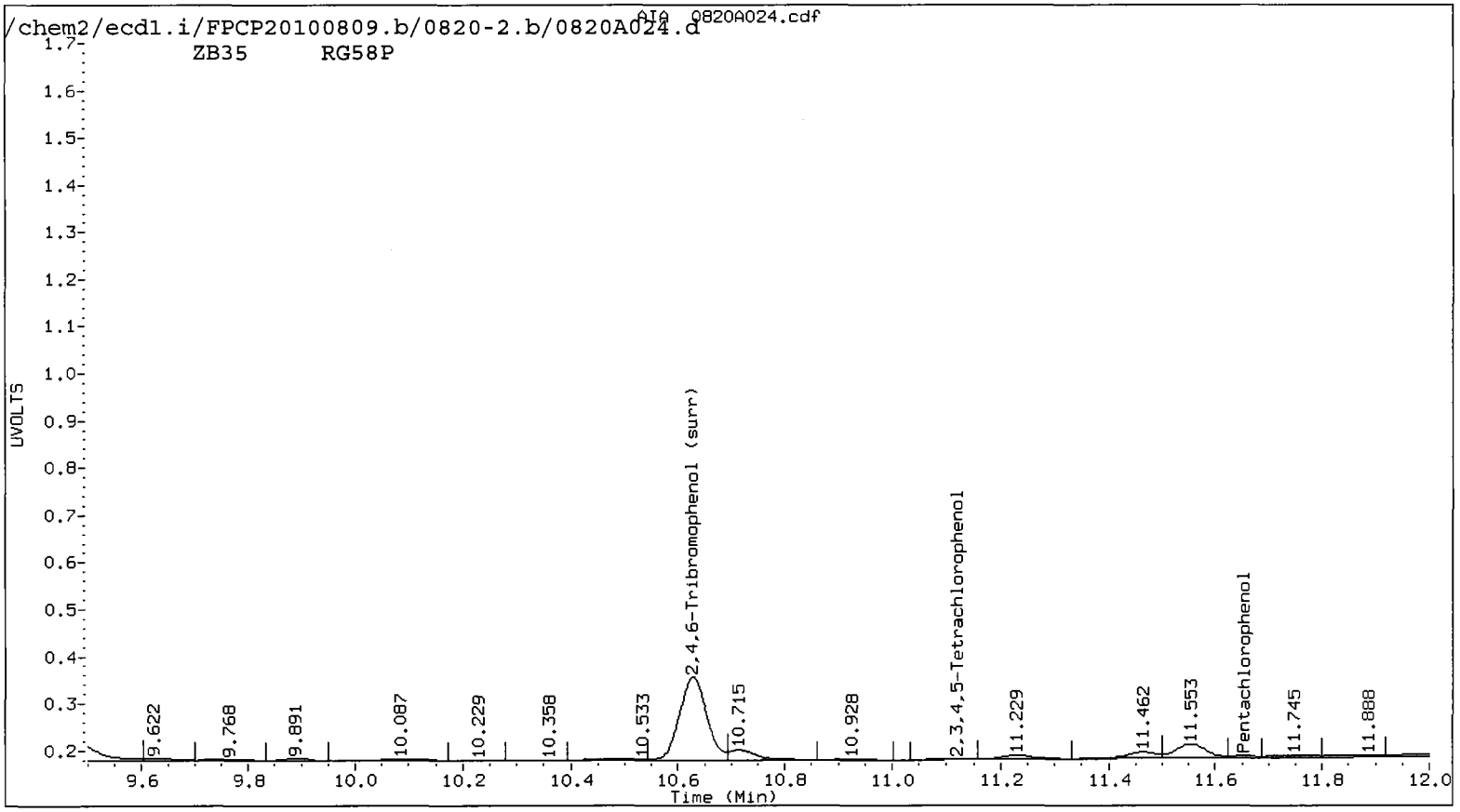
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A024.d ARI ID: RG58P
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A024.d Client ID: PSB24-2-4-072910-D
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 21:31
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
----			11.654	-0.004	7599	0.0000	0.3310	---	Pentachlorophenol
7.280	0.016	14633	7.305	-0.028	22050	1.5297	1.7662	14.4	2,4,6-Trichlorophenol
7.600	-0.019	123152	7.841	-0.023	3270	13.3342	0.2635	192.2*	2,3,6-Trichlorophenol
8.257	0.015	4351	8.614	-0.001	20942	0.8621	2.9713	110.0*	2,4,5-Trichlorophenol
----			9.378	-0.002	4685	0.0000	0.4852	---	2,3,4-Trichlorophenol
9.010	0.003	7076	9.285	0.008	10880	0.5016	0.5877	15.8	2,3,5,6-Tetrachlorophenol
10.386	-0.027	10589	11.120	-0.006	2683	0.8481	0.1839	128.7*	2,3,4,5-Tetrachlorophenol
6.915	0.022	23526	7.166	0.000	4778	38.7145	6.3778	143.4*	2,4-Dichlorophenol
9.985	-0.017	201871	10.628	-0.018	310842	15.7	16.7	5.7	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	62.9	66.6


/chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A024.d
AIA 0820A024.cdf
ZB5 RG58P
UVOLTS
Time (Min)
9.565
9.722
2,4,6-Tribromophenol (surr)
10.078
10.273
2,3,4,5-Tetrachlorophenol
10.454
10.657
10.761
10.835
10.923
11.068
11.147
11.306
11.658
11.747
11.935


/chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A024.d
AIA 0820A024.cdf
ZB35 RG58P
UVOLTS
Time (Min)
9.622
9.768
9.891
10.087
10.229
10.358
10.533
2,4,6-Tribromophenol (surr)
10.715
10.928
2,3,4,5-Tetrachlorophenol
11.229
11.462
11.553
Pentachlorophenol
11.745
11.888

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A024.d

Date : 20-AUG-2010 21:31

Client ID: PSB24-2-4-072910-D

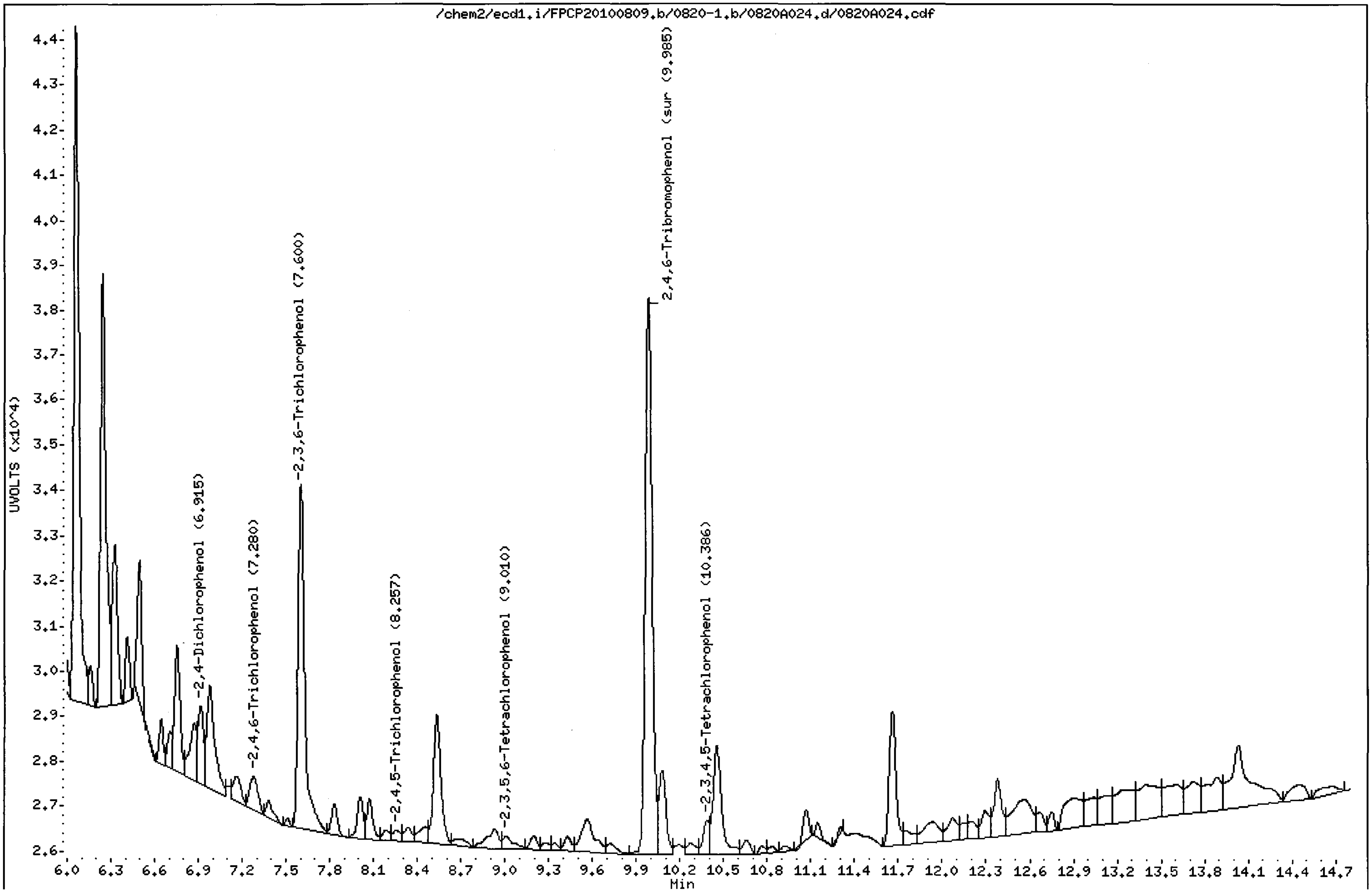
Instrument: ecd1.i

Sample Info: RG58P

Operator: ar

Column phase: ZB5

Column diameter: 0.53



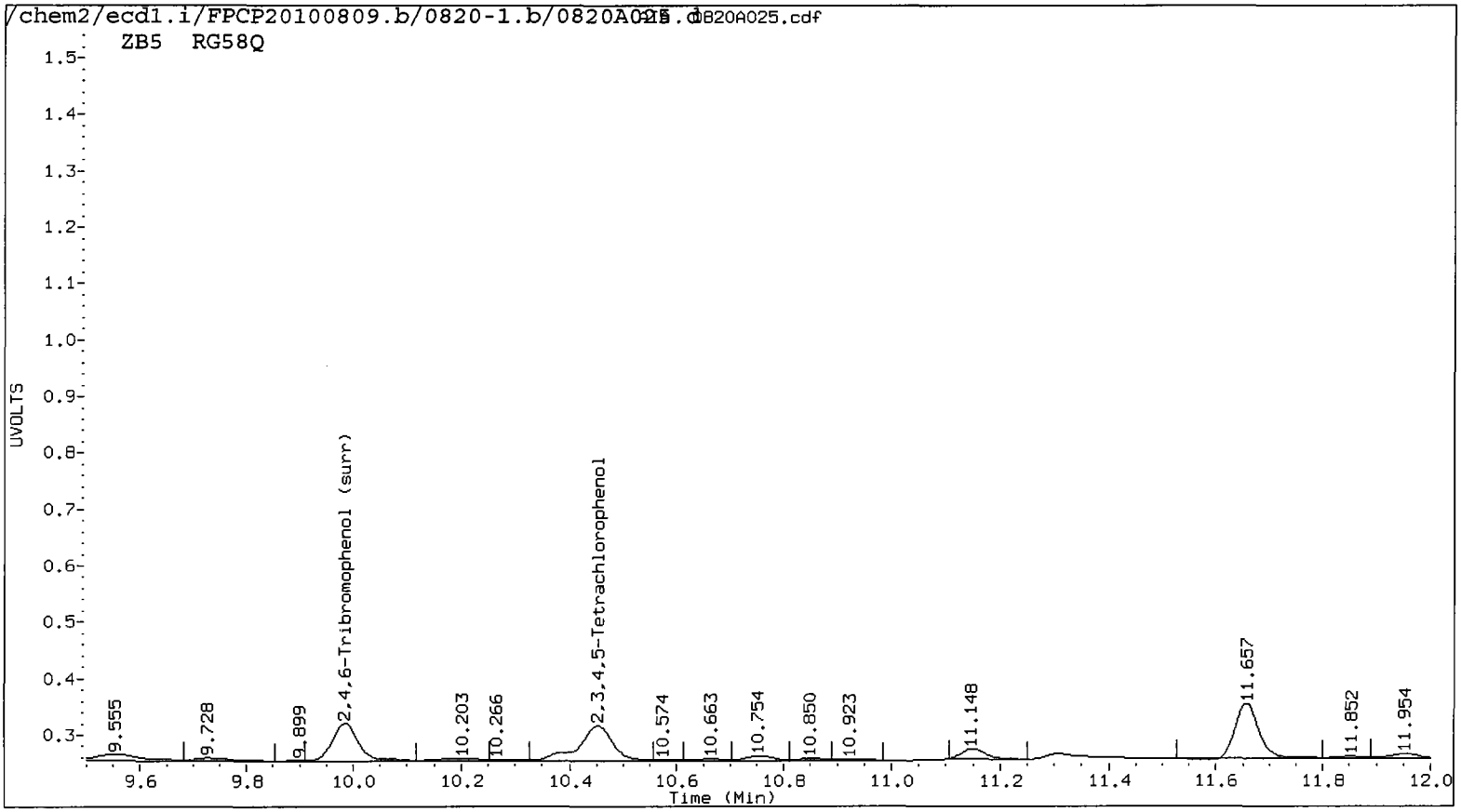
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

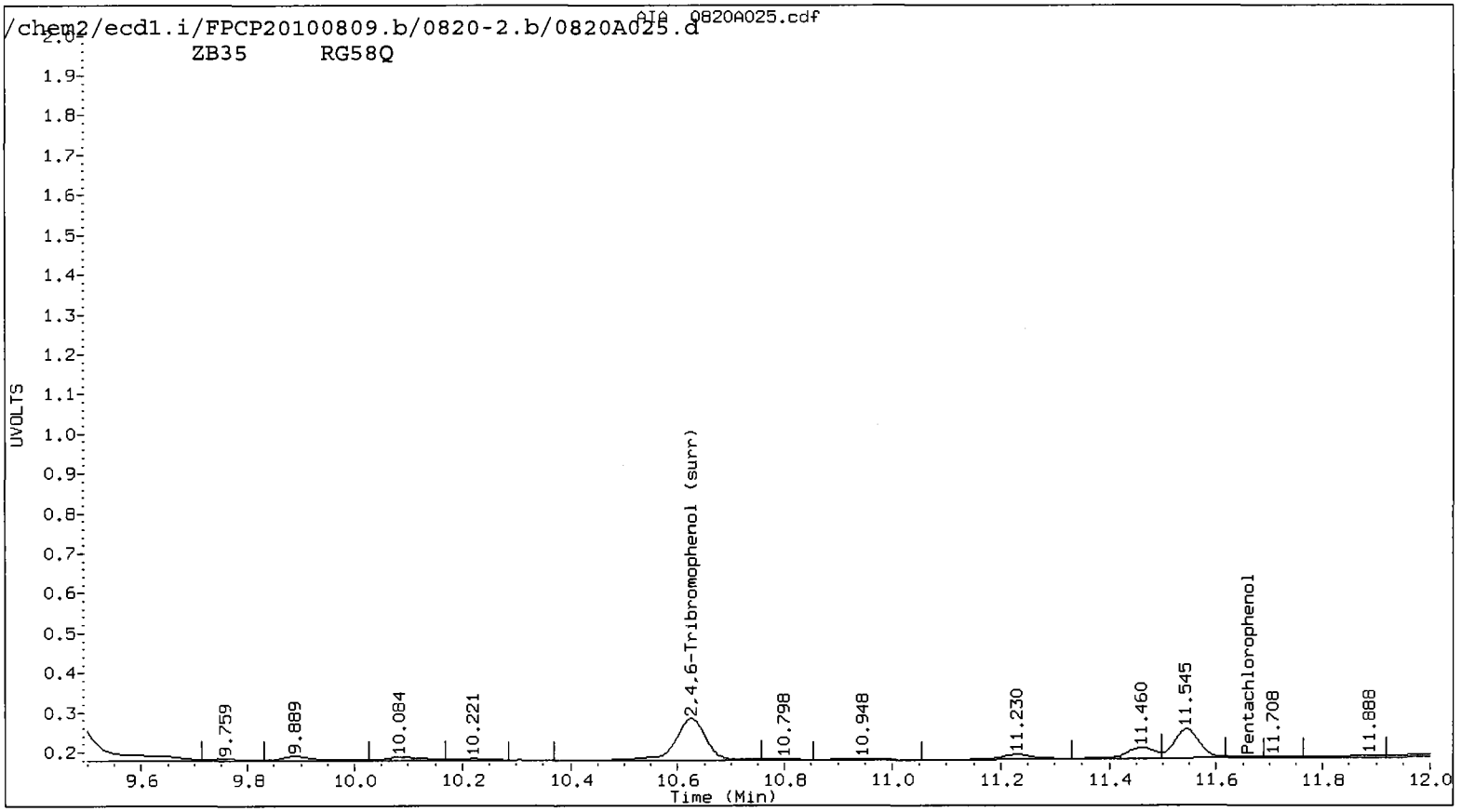
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A025.d ARI ID: RG58Q
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A025.d Client ID: PSB24-4-6-072910
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 21:51
Compound Sublist: all Report Date: 08/21/2010 13:04
Instrument: ecd1.i Matrix: SOIL
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
----			11.662	0.004	9313	0.0000	0.4056	---	Pentachlorophenol
7.287	0.023	22906	7.304	-0.029	15304	2.4079	1.2259	65.1*	2,4,6-Trichlorophenol
7.598	-0.021	342279	7.843	-0.021	10229	41.0594	0.8244	192.1*	2,3,6-Trichlorophenol
8.256	0.014	5261	8.613	-0.002	20764	1.0424	2.9456	95.4*	2,4,5-Trichlorophenol
----			9.362	-0.018	7372	0.0000	0.7649	---	2,3,4-Trichlorophenol
9.003	-0.004	12890	9.284	0.007	15739	0.9139	0.8501	7.2	2,3,5,6-Tetrachlorophenol
10.453	0.040	137827	----			12.2379	0.0000	---	2,3,4,5-Tetrachlorophenol
6.913	0.020	13666	7.169	0.003	9588	21.9414	12.8866	52.0*	2,4-Dichlorophenol
9.985	-0.017	114642	10.626	-0.020	209449	8.6	11.2	26.0	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

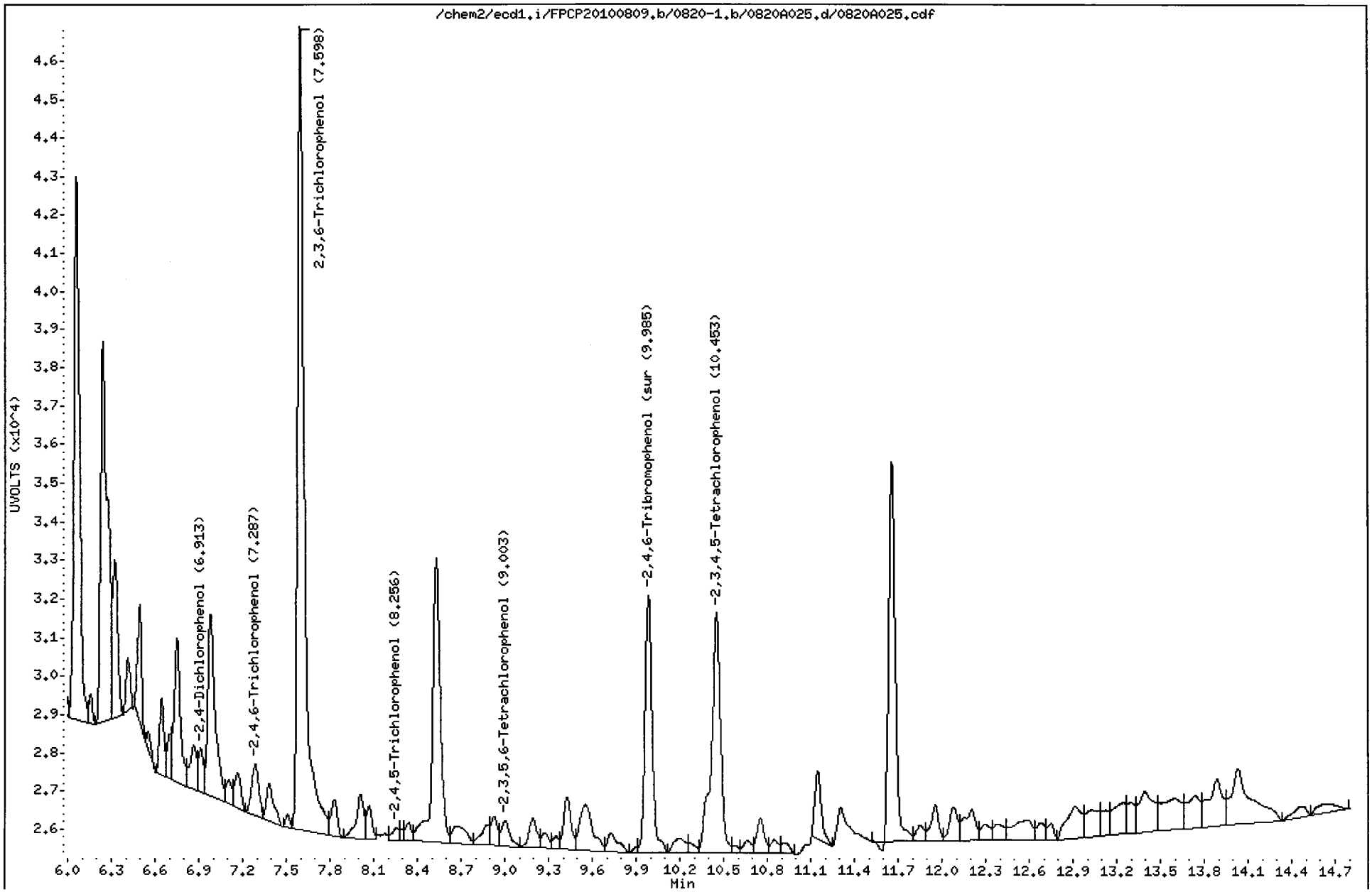
COMPOUND	Col1	Col2
2,4,6-TBP (surr)	34.6	44.9


/chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A025.d
0820A025.cdf
ZB5 RG58Q
UVOLTS
Time (Min)
9.555
9.728
9.899
2,4,6-Tribromophenol (surr)
10.203
10.266
2,3,4,5-Tetrachlorophenol
10.574
10.663
10.754
10.850
10.923
11.148
11.657
11.852
11.954


/chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A025.d
0820A025.cdf
ZB35 RG58Q
UVOLTS
Time (Min)
9.759
9.889
10.084
10.221
2,4,6-Tribromophenol (surr)
10.798
10.948
11.230
11.460
11.545
Pentachlorophenol
11.708
11.888

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A025.d
Date : 20-AUG-2010 21:51
Client ID: PSB24-4-6-072910
Sample Info: RG58Q

Instrument: ecd1.i
Operator: ar
Column phase: ZB5
Column diameter: 0.53



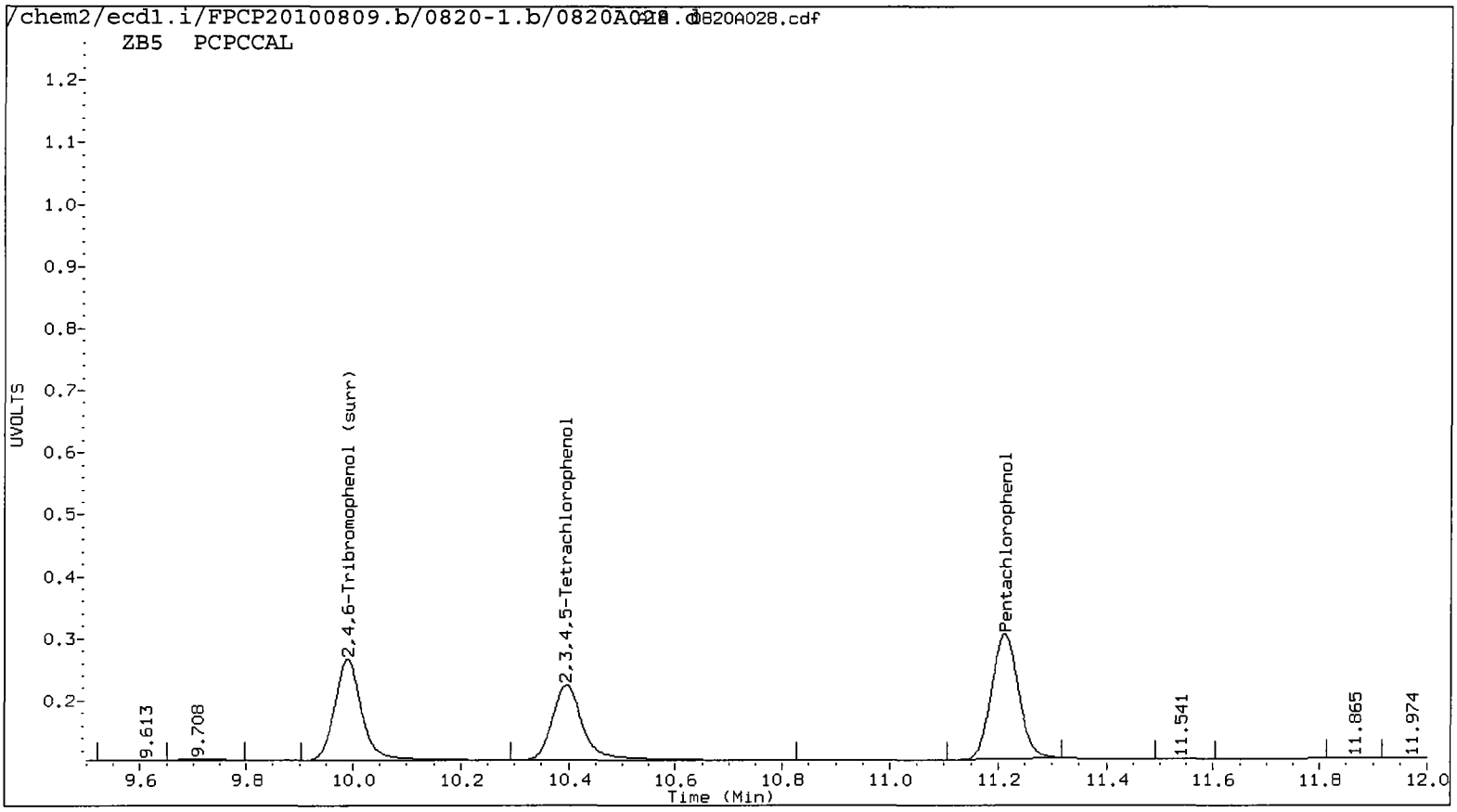
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

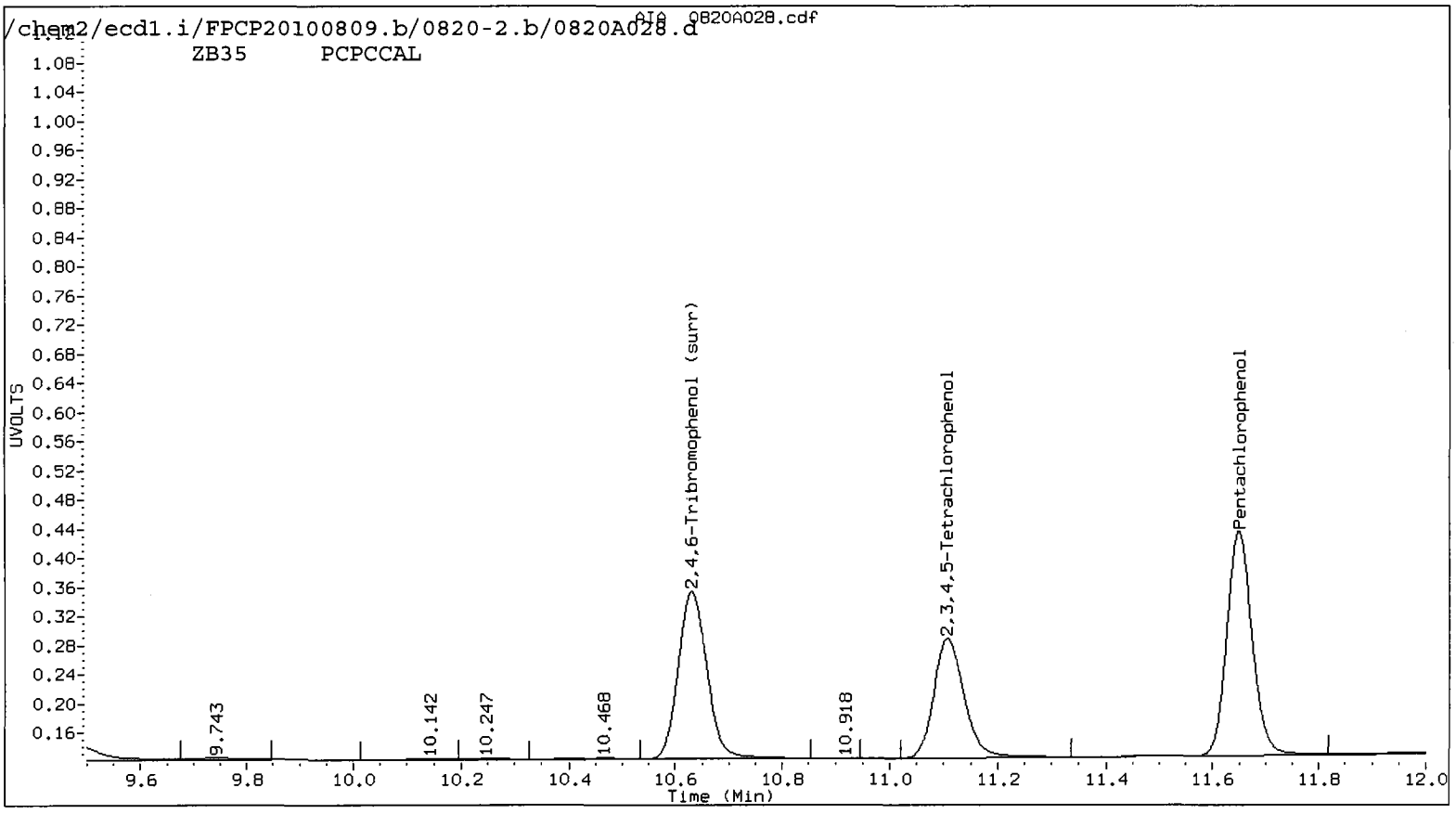
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A028.d ARI ID: PCPCCAL
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A028.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 22:51
Compound Sublist: all Report Date: 08/21/2010 13:35
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
11.212	-0.007	348754	11.649	-0.009	509381	22.2109	22.1842	0.1	Pentachlorophenol
7.262	-0.002	212714	7.330	-0.003	289007	25.2135	23.1492	8.5	2,4,6-Trichlorophenol
7.615	-0.004	209638	7.858	-0.006	277542	23.6652	22.3670	5.6	2,3,6-Trichlorophenol
8.217	-0.025	120193	8.591	-0.024	153656	23.8123	24.5386	3.0	2,4,5-Trichlorophenol
8.766	-0.026	168639	9.355	-0.025	197656	24.6509	23.1680	6.2	2,3,4-Trichlorophenol
8.995	-0.012	325795	9.261	-0.016	431564	23.0969	23.3091	0.9	2,3,5,6-Tetrachlorophenol
10.395	-0.018	241025	11.107	-0.019	321123	23.1037	22.0087	4.9	2,3,4,5-Tetrachlorophenol
6.887	-0.006	112269	7.157	-0.009	143419	225.2289	228.9755	1.6	2,4-Dichlorophenol
9.989	-0.013	289063	10.630	-0.016	427582	23.2	22.9	1.5	2,4,6-Tribromophenol (surr)

PERCENT RECOVERY

COMPOUND	Col1	Col2
Pentachlorophenol	88.8	88.7
2,4,6-Trichlorophenol	100.9	92.6
2,3,6-Trichlorophenol	94.7	89.5
2,4,5-Trichlorophenol	95.2	98.2
2,3,4-Trichlorophenol	98.6	92.7
2,3,5,6-Tetrachlorophenol	92.4	93.2
2,3,4,5-Tetrachlorophenol	92.4	88.0
2,4-Dichlorophenol	90.1	91.6
2,4,6-TBP (surr)	93.0	91.6


/chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A028.d
0820A028.cdf
ZB5 PCPCCAL
UVOLTS
Time (Min)
9.613
9.708
2,4,6-Tribromophenol (surr)
2,3,4,5-Tetrachlorophenol
Pentachlorophenol
11.541
11.865
11.974


/chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A028.d
0820A028.cdf
ZB35 PCPCCAL
UVOLTS
Time (Min)
9.743
10.142
10.247
10.468
2,4,6-Tribromophenol (surr)
10.918
2,3,4,5-Tetrachlorophenol
Pentachlorophenol

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A028.d

Page 1

Date : 20-AUG-2010 22:51

Client ID:

Instrument: ecd1.i

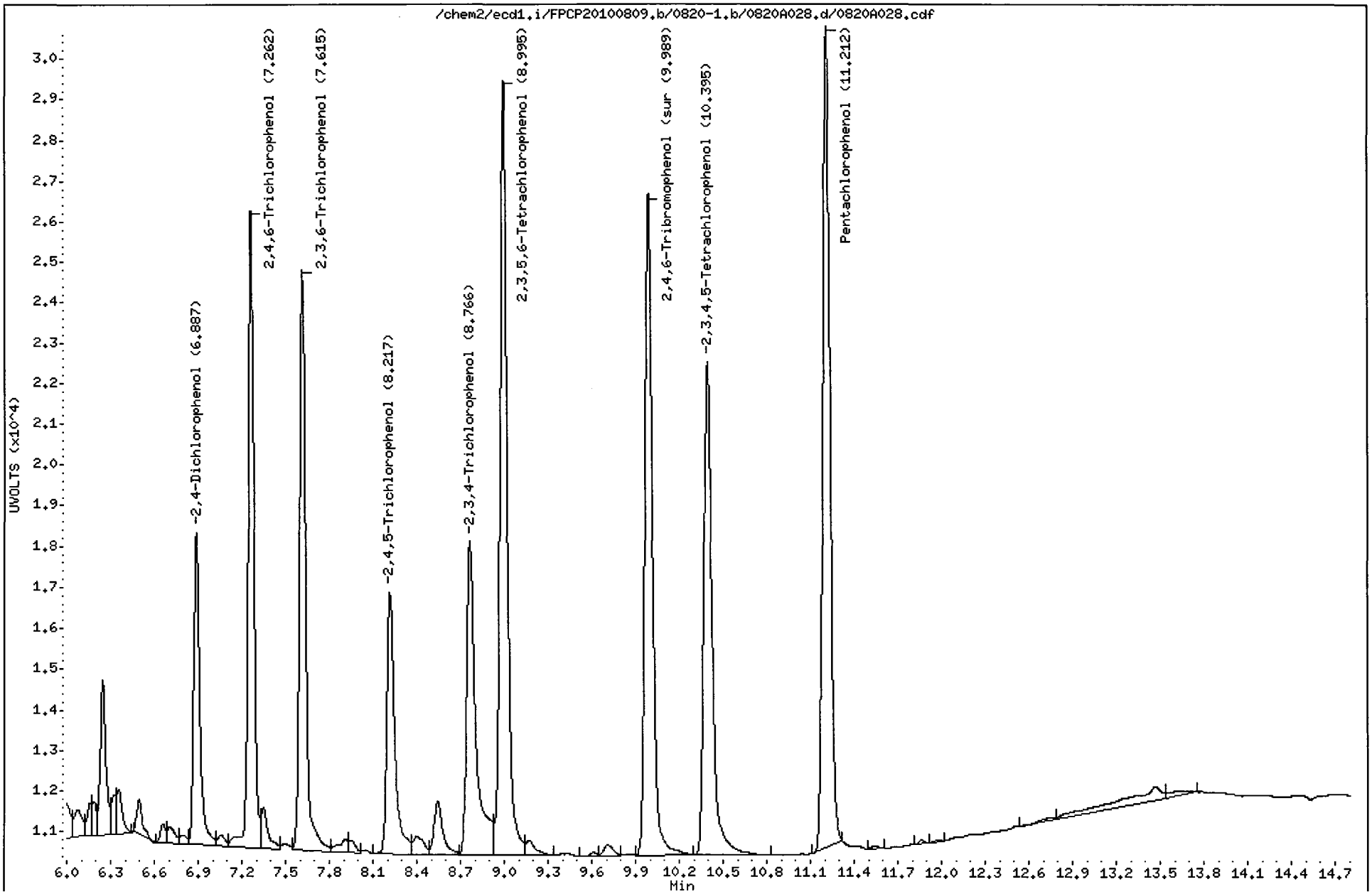
Sample Info: PCPCCAL

Purge Volume: 2.0

Operator: ar

Column phase: ZB5

Column diameter: 0.53



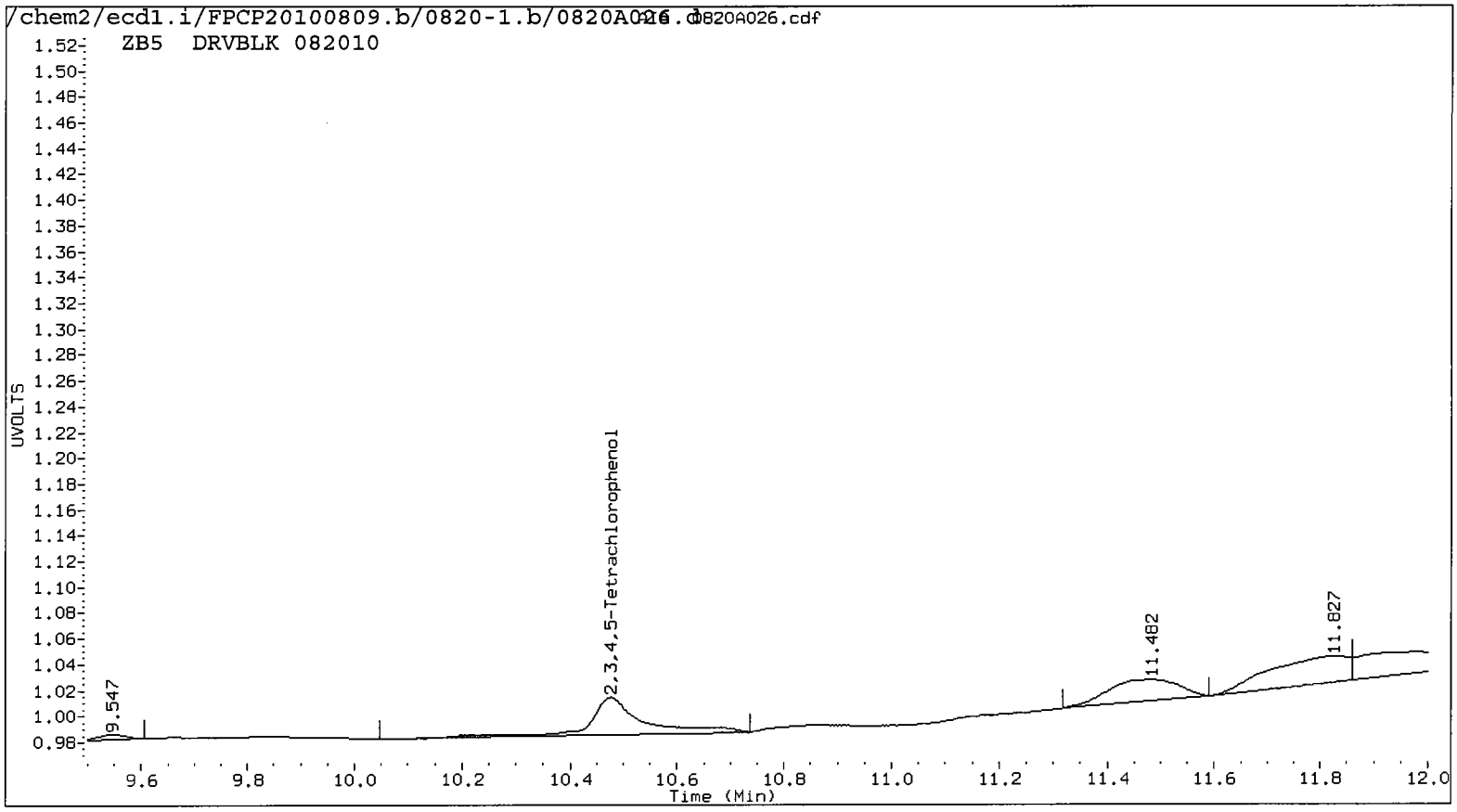
Analytical Resources Inc.
Dual Column 8041 Chlorinated Phenols Quantitation Report

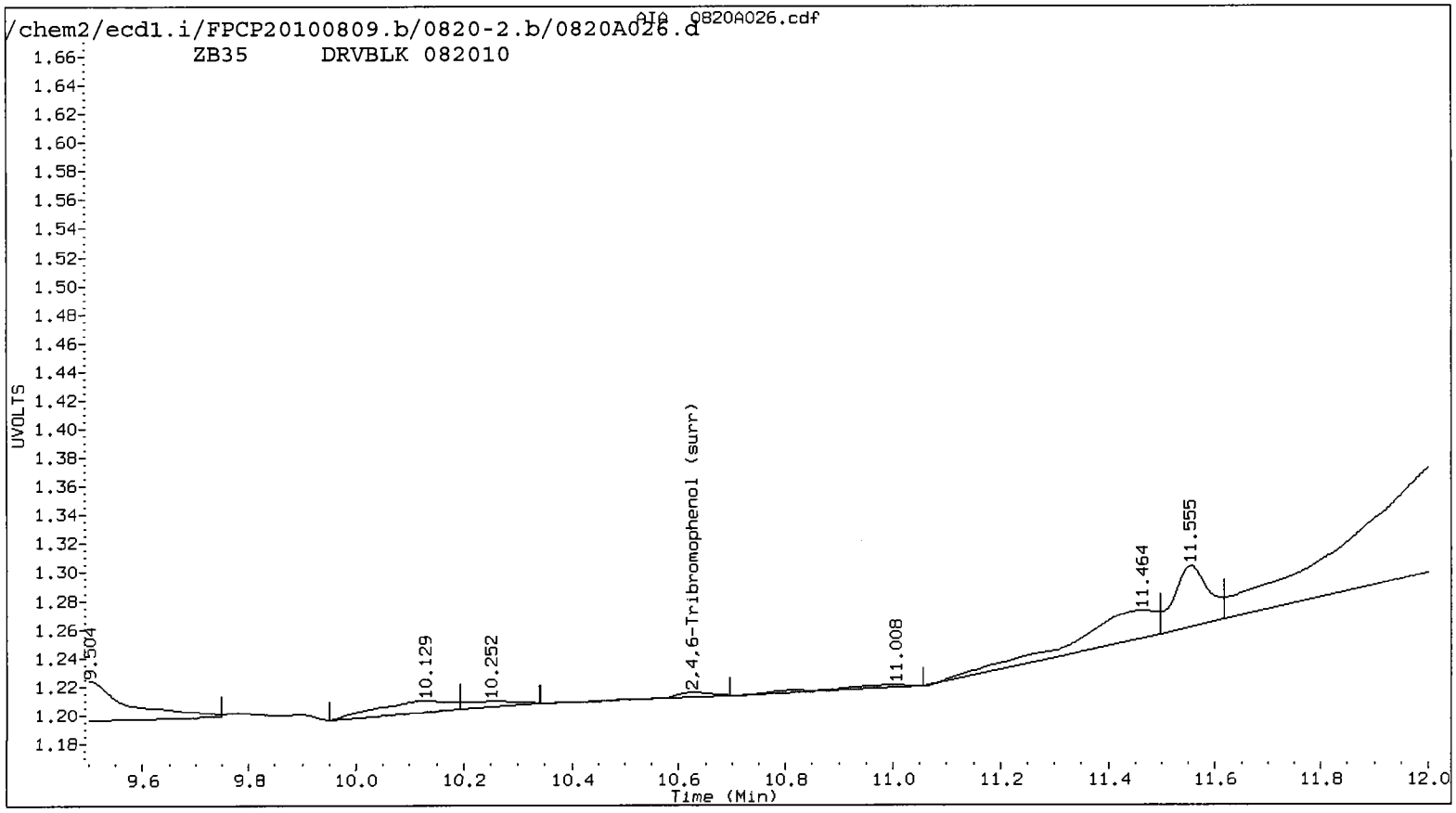
Data file 1: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A026.d ARI ID: DRVBLK 082010
Data file 2: /chem2/ecd1.i/FPCP20100809.b/0820-2.b/0820A026.d Client ID:
Method: /chem2/ecd1.i/FPCP20100809.b/FPCP.m Injection Date: 20-AUG-2010 22:11
Compound Sublist: all Report Date: 08/21/2010 13:35
Instrument: ecd1.i Matrix: WATER
Operator: ar Dilution Factor: 1.000

ZB-5 Col			ZB35 Col			ZB-5	ZB35		
RT	Shift	Response	RT	Shift	Response	on col	on col	RPD	Compound
----			----			0.0000	0.0000	---	Pentachlorophenol
7.224	-0.040	8738	----			0.9098	0.0000	---	2,4,6-Trichlorophenol
7.638	0.019	2664	----			0.2713	0.0000	---	2,3,6-Trichlorophenol
8.260	0.018	3160	8.568	-0.047	2512	0.6261	0.3503	56.5*	2,4,5-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,4-Trichlorophenol
----			----			0.0000	0.0000	---	2,3,5,6-Tetrachlorophenol
10.476	0.063	9571	----			0.7658	0.0000	---	2,3,4,5-Tetrachlorophenol
6.935	0.042	1468	7.163	-0.003	1786	2.2842	2.3746	3.9	2,4-Dichlorophenol
----			10.627	-0.019	522	0.0	0.0	---	2,4,6-Tribromophenol (surr

PERCENT RECOVERY

COMPOUND	Col1	Col2
2,4,6-TBP (surr)	0.0	0.1


/chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A026.d
0820A026.cdf
ZB5 DRVBLK 082010
UVOLTS
9.547
2.3,4,5-Tetrachlorophenol
11.482
11.827
Time (Min)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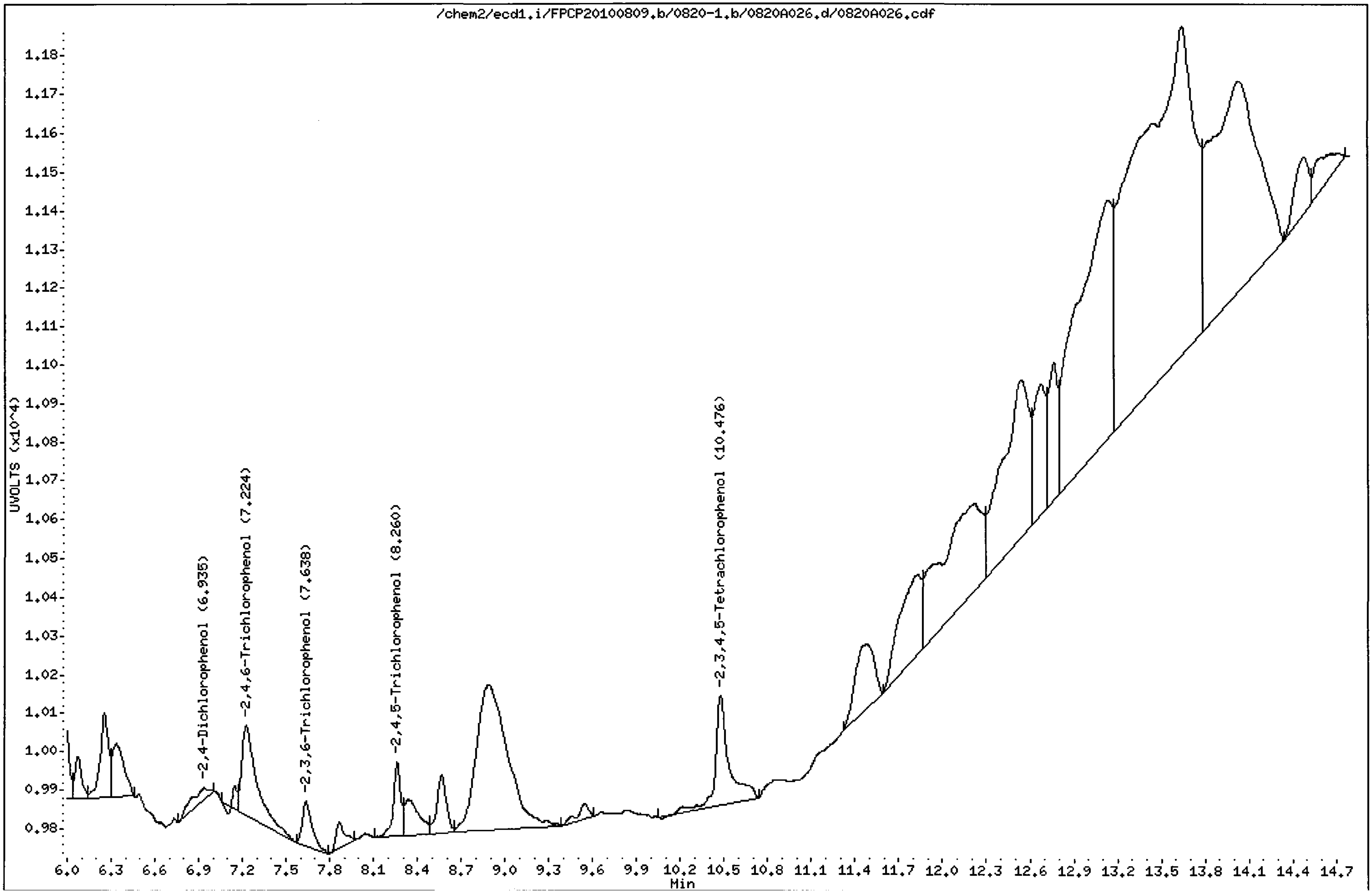
0820A026.cdf
ZB35 DRVBLK 082010
UVOLTS
9.504
10.129
10.252
2,4,6-Tribromophenol (surr)
11.008
11.464
11.555
Time (Min)

Data File: /chem2/ecd1.i/FPCP20100809.b/0820-1.b/0820A026.d
Date : 20-AUG-2010 22:11
Client ID:
Instrument: ecd1.i
Sample Info: DRVBLK 082010
Purge Volume: 2.0
Operator: ar
Column phase: ZB5
Column diameter: 0.53



TPHD Raw Data
Extraction Bench Sheets and Notes

ARI Job ID: RG58

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Benchsheet

NWTPHD-Soil
Microwave (3546) (SOP # 3304S)

Preparation Test TPHD # 3
ARI Job No(s) RG58

In-House (5ppm)
Batch set up by: JH

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (wet wt)	Transfer to Turbo Tube	TurboVap (1) 2 3	Acid/Silica Clean (1:1) (Y) N	TurboVap 1 2 (3)	Final Effective Volume	Volume to Lab	Comments
	RG58 MBS	Date 8-6-10	10.00g	↓	↓	↓	↓	1mL	1mL	
	↓ SBS	↓	↓	↓	↓	↓	↓	↓	↓	
	~~SBS Dup.~~		↓	↓	↓	↓	↓	↓	↓	
1	RG58 A	verified	10.05g	↓	↓	↓	↓	↓	↓	
	B		10.19g	↓	↓	↓	↓	↓	↓	
	C		10.04g	↓	↓	↓	↓	↓	↓	
	D		10.04g	↓	↓	↓	↓	↓	↓	
	E		10.13g	↓	↓	↓	↓	↓	↓	
	F		10.15g	↓	↓	↓	↓	↓	↓	
	G		10.07g	↓	↓	↓	↓	↓	↓	
	H		10.03g	↓	↓	↓	↓	↓	↓	
	I		10.19g	↓	↓	↓	↓	↓	↓	
	Ims		10.05g	↓	↓	↓	↓	↓	↓	
	Imsd		10.14g	↓	↓	↓	↓	↓	↓	
	J		10.05g	↓	↓	↓	↓	↓	↓	
	K		10.39g	↓	↓	↓	↓	↓	↓	
	L		10.02g	↓	↓	↓	↓	↓	↓	
	M		10.17g	↓	↓	↓	↓	↓	↓	
	N		10.24g	↓	↓	↓	↓	↓	↓	
	O		10.03g	↓	↓	↓	↓	↓	↓	
	P		10.06g	↓	↓	↓	↓	↓	↓	
	Q		10.03g	↓	↓	↓	↓	↓	↓	
	R		10.24g	↓	↓	↓	↓	↓	↓	SPF1
2	S		10.34g	↓	↓	↓	↓	↓	↓	
Analyst/Date:		PD 8/6/10	→	→	SP	8/7/10	→	→	→	

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
Surrogate	O1	100µL	6/23/11	PD	SP
Spike	11	100µL	4/26/11	PD	SP
Extraction Time:	1420		Balance ID:	2415 0347	

SPECIAL INSTRUCTIONS: 1. Weigh into 100mL beakers-dry with Sodium Sulfate. 2. Transfer to microwave vessel. 3. Add 20mL DCM to the vessel (if needed-Add 5mL increments until solvent is 1" above soil layer). 4. Add surr/spike. 5. Mix samples thoroughly before microwaving. 6. Microwave on appropriate power setting determined by # of samples. 7. After microwave-let cool 10-15 min. 8. Collect into turbo tube with sm. funnel containing glasswool and 1" sodium sulfate. 9. Add (2) 10mL DCM rinses to vessel and transfer to turbo tube. 10. TurboVap. 11. Acid/Silica Clean-up?= Y/N. 12. TurboVap (if Silica Clean). 13. Vial in DCM.

A. Need Total Solids Y (N) B. Archive/Freeze Y /(N)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG58 Client ID: Floyd/Snider

Parameter: TPHD w/Acid Si Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☑ No Anomalies (standard soil/sediment) D, J, O, P, Q, R with some rocks. E, F = standard.	PD 8-5-10
☐ Wet sediment/sludge=	
☐ Standing Water Decanted=	
☐ Standing Water Homogenized (Shared samples)=	
☐ Clay (Difficult to homogenize/Mixed with Kitchen Aid)=	
☑ Rocks/Organics= A, B, C, G, H, I, M, N.	PD 8-5-10
☐ Oily, obvious fuel/sulfur odors=	
☑ Other (Details)= K, L, S are wet with approx 50% rocks.	PD 8-5-10
Aqueous:	
☐ No Anomalies	
☐ Turbid/Color=	
☐ Particulates=	
☐ Emulsions=	
☐ Other (Details)=	
☒ Other Notes/Comments= Lost sample "R" due to a hole in the herb tube. Will be re-extracted within holding.	SP 8/7/10

Analytical Resources, Incorporated
Analytical Chemists and Consultants

RUSH

Organic Extractions Benchsheet

NWTPHD-Soil
Microwave (3546) (SOP # 3304S)

Preparation Test TPHD # 3 In-House (5ppm)

ARI Job No(s) RH56, RG58(Rx), RH84 Batch set up by: JH

Bottle #	Extraction Requirements	Verify Client ID	Volume Extracted (wet wt)	Transfer to Turbo Tube	TurboVap (1) 2 3	Acid/Silica Clean (1:1) (Y) N	TurboVap (1) 2 3	Final Effective Volume	Volume to Lab	Comments
	RH56 MBS	Date 8/4/10	10.00g					1mL	1mL	
	SBS		↓					↓	↓	
	SBS Dup.		↓					↓	↓	
7	A	Check	1φ.04							
	B		1φ.12							
	C		1φ.05							
	D		1φ.35							
	E		1φ.35							
	F		1φ.35							
	G		1φ.36							
	GMS		1φ.11							
	GMSD		1φ.30							
	H		1φ.23							
	I		1φ.71							
	J		1φ.13							
8	K		1φ.26							
8	RG58(Rx) R2		1φ.39							
1	RH84 A		1φ.46							
	B		1φ.69							
	C		1φ.18							
					CJZ					
Analyst/Date:	WC 8/10/10				8/11/10					

Standard	Standard ID	Volume	Expiration Date	Analyst	Witness
Surrogate	O1	100µL	6/22/11	WC	AC
Spike	11	100µL	4/26/11	WC	AC
Extraction Time: 16:00			Balance ID: 2450193		

SPECIAL INSTRUCTIONS: 1. Weigh into 100mL beakers-dry with Sodium Sulfate. 2. Transfer to microwave vessel. 3. Add 20mL DCM to the vessel (if needed-Add 5mL increments until solvent is 1" above soil layer). 4. Add surr/spike. 5. Mix samples thoroughly before microwaving. 6. Microwave on appropriate power setting determined by # of samples. 7. After microwave-let cool 10-15 min. 8. Collect into turbo tube with sm. funnel containing glasswool and 1" sodium sulfate. 9. Add (2) 10mL DCM rinses to vessel and transfer to turbo tube. 10. TurboVap. 11. Acid/Silica Clean-up?= Y / N. 12. TurboVap (if Silica Clean). 13. Vial in DCM.

A. Need Total Solids Y (N) B. Archive/Freeze Y (N)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Organic Extractions Laboratory Analyst Notes

ARI Job No.: RG58 (RX) Client ID: Floyd/Snider

Parameter: TPHD w/Acl si Client Project: Lora Lake RI

Note problems, concerns, corrective actions	Analyst/Date
Screens: Soil/Sediment/Solid/Other:	
☒ **No Anomalies (standard soil/sediment)** R	WC 8/10/10
☐ **Wet sediment/sludge=**	
☐ **Standing Water Decanted=**	
☐ **Standing Water Homogenized (Shared samples)=**	
☐ **Clay (Difficult to homogenize/Mixed with Kitchen Aid)=**	
☐ **Rocks/Organics=**	
☐ **Oily, obvious fuel/sulfur odors=**	
☐ **Other (Details)=**	
Aqueous:	
☐ **No Anomalies**	
☐ **Turbid/Color=**	
☐ **Particulates=**	
☐ **Emulsions=**	
☐ **Other (Details)=**	
☐ **Other Notes/Comments=**	

TPHD Raw Data
Initial Calibration

ARI Job ID: RG58

Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: Diesel #2, 30ut Mo | Client ID: ARI

ARI SOP: **403S**(PCB) **405S**(Herb) **407S**(TPH-D) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): Diesel #2, o-Terphenyl, AK102, 30ut Mo11, n-Triacontane

Instrument: FID-3A (FID-3B) FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 7/30/10 Analysis Start: 7/30/10

Endrin/DDT Breakdown <15%? YES / NO / (NA) Method Blank In Control? YES / NO (N/A)

ICal Meets RF & %RSD Criteria? (YES) NO LCS/LCSD Recovery In Control? YES / NO

CCal Meets RF & %RSD Criteria? (YES) / NO Surrogate Recovery In Control? YES / NO

Manual Integrations for ICal? (YES) / NO Manual Integrations for Samples? (YES) NO

Internal Standard Meets Criteria? YES / NO / (NA) Special Analysis Criteria Met? YES / NO / (NA)

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

Diesel ICV quants (30ut Mo) = 124%. mm 8/3/10

Additional Details on Reverse: Yes / (No)

Analyst: mm **Date:** 8/3/10

Reviewer: [signature] **Date:** 8/4/10

Form 4060F Version 007 6/18/10

6a
NW DIESEL INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: 20100730

Instrument: FID3B.I Project:

Calibration Date: 30-JUL-2010 SDG No.: 20100730

Diesel Range	RF1 50	RF2 100	RF3 250	RF4 500	RF5 1000	RF6 2500	Ave RF	%RSD
WA Diesel	22218	21170	21958	21565	21008	20465	21398	3.0
AK Diesel	25279	23959	24625	24161	23624	22975	24104	3.3
OR Diesel	25497	24108	24785	24317	23782	23134	24271	3.4
o-Terph	19592	19395	20002	19771	20130	20713	19934	2.3

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

Quant Ranges : WA Diesel C12-C24 (3.468-5.603)
AK Diesel C10-C25 (2.858-5.764)
OR Diesel C10-C28 (2.858-6.244)

Calibration Files	Analysis Time
0730b018.d	30-JUL-2010 20:23
0730b019.d	30-JUL-2010 20:42
0730b020.d	30-JUL-2010 21:01
0730b021.d	30-JUL-2010 21:20
0730b022.d	30-JUL-2010 21:39
0730b023.d	30-JUL-2010 21:58

Report Date : 03-Aug-2010 19:42

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Batch File: /chem3/fid3b.i/20100730.b
Inst ID: fid3b.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06
FILENAME:	0730b018	0730b019	0730b020	0730b021	0730b022	0730b023
INJ.DATE:	30-JUL-2010	30-JUL-2010	30-JUL-2010	30-JUL-2010	30-JUL-2010	30-JUL-2010
INJ.TIME:	20:23	20:42	21:01	21:20	21:39	21:58

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
	1 Toluene	+++++	+++++	+++++	+++++	+++++	+++++	1.033	0.933-1.133	+++++	+++++
	2 C8	+++++	+++++	+++++	+++++	+++++	+++++	1.329	1.229-1.429	+++++	+++++
	3 C10	2.859	2.858	2.857	2.859	2.859	2.863	2.858	2.808-2.908	2.859	0.002
	4 C12	3.468	3.467	3.467	3.467	3.468	3.470	3.468	3.418-3.518	3.468	0.001
	5 C14	3.925	3.924	3.925	3.925	3.926	3.929	3.927	3.877-3.977	3.926	0.002
	6 C16	4.321	4.320	4.321	4.321	4.323	4.326	4.321	4.271-4.371	4.322	0.002
	7 C18	4.674	4.674	4.675	4.676	4.678	4.683	4.675	4.625-4.725	4.677	0.003
$	8 o-terph	4.759	4.761	4.763	4.766	4.774	4.787	4.762	4.712-4.812	4.768	0.011
	9 C20	4.998	4.997	4.996	4.998	4.998	5.002	4.998	4.948-5.048	4.998	0.002
	10 C22	5.299	5.295	5.293	5.294	5.295	5.298	5.296	5.246-5.346	5.296	0.002
	11 C24	5.597	5.601	5.604	5.603	5.602	5.604	5.603	5.553-5.653	5.602	0.003
	12 C25	5.760	5.767	5.766	5.764	5.763	5.764	5.764	5.714-5.814	5.764	0.002
	13 C26	5.922	5.926	5.921	5.928	5.926	5.924	5.926	5.876-5.976	5.925	0.002
	14 C28	6.242	6.242	6.242	6.244	6.246	6.241	6.244	6.194-6.294	6.243	0.002
$	15 Triacon Surr	6.558	6.562	6.553	6.562	6.558	6.558	6.559	6.509-6.609	6.559	0.003
	16 C32	6.842	6.845	6.846	6.866	6.846	6.847	6.856	6.806-6.906	6.849	0.008
	17 C34	7.141	7.140	7.139	7.138	7.142	7.140	7.141	7.091-7.191	7.140	0.002

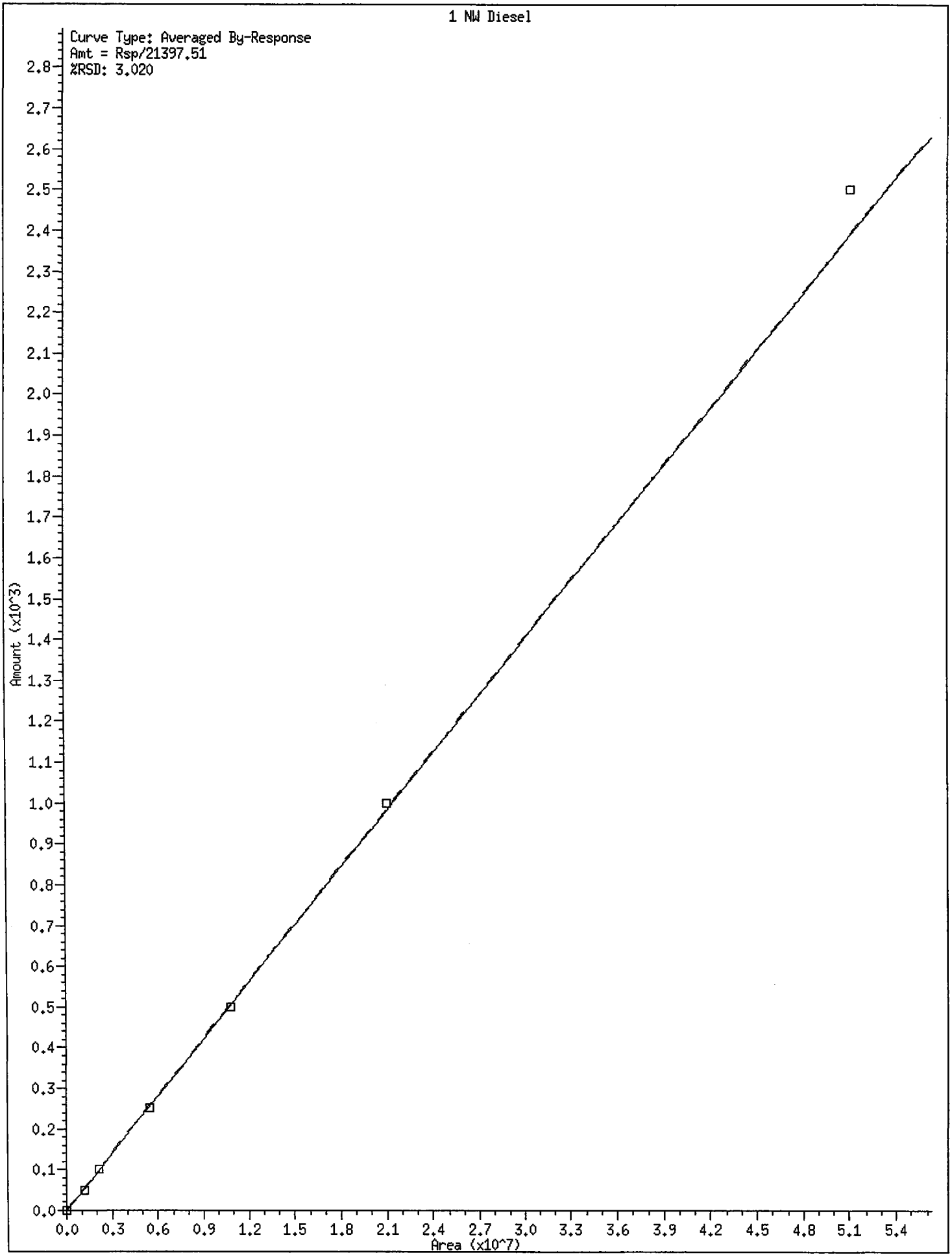
Reviewer 1 Mo Date: 8/3/10
Reviewer 2 [signature] Date: 8/4/10

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

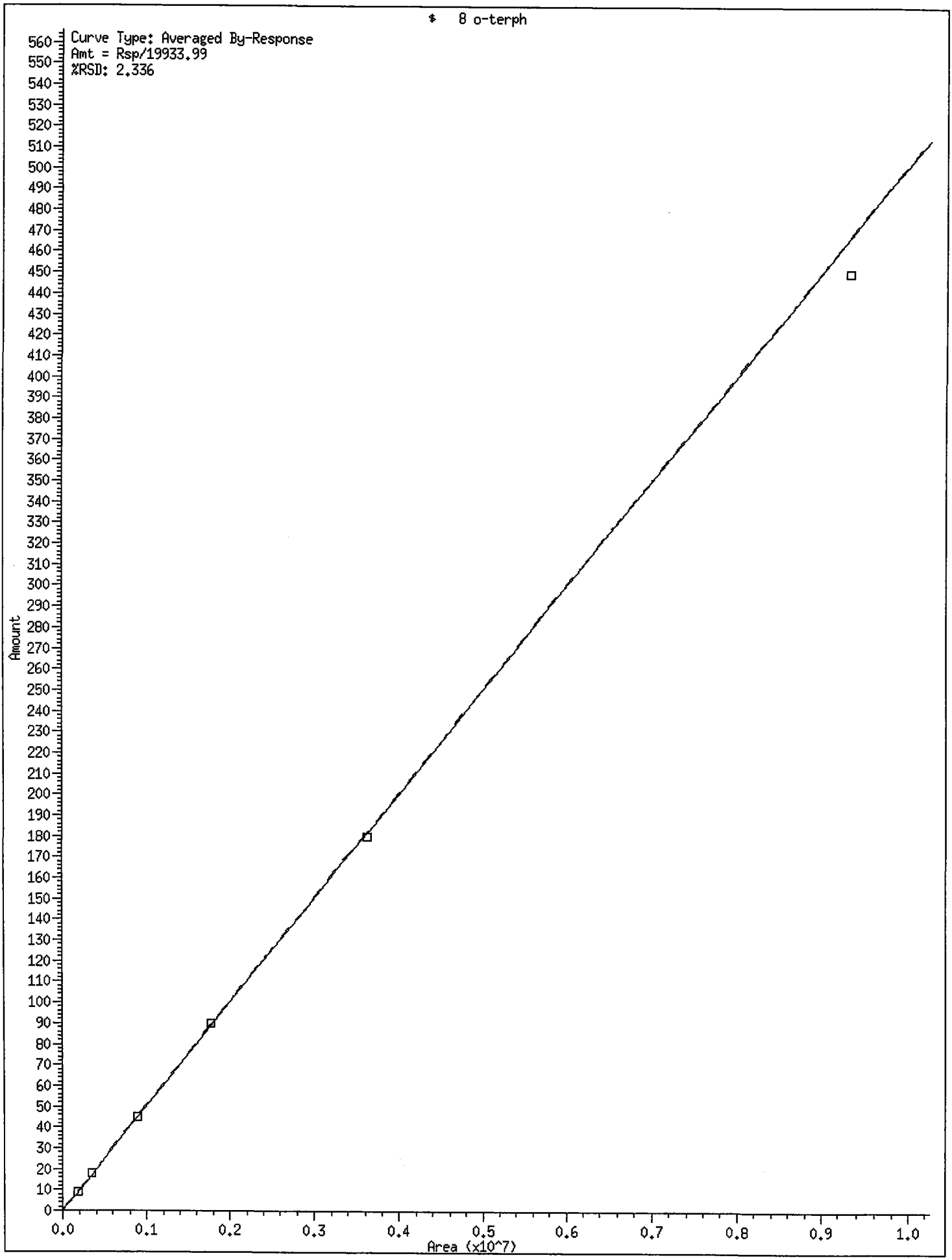
Method File: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Batch File: /chem3/fid3b.i/20100730.b
Inst ID: fid3b.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
18 Filter Peak	+++++	+++++	+++++	+++++	+++++	+++++	11.120	11.020-11.220	+++++	+++++
19 C36	7.411	7.414	7.415	7.404	7.412	7.414	7.413	7.363-7.463	7.412	0.004
20 C38	7.672	7.670	7.668	7.673	7.673	7.669	7.670	7.620-7.720	7.671	0.002
21 C40	7.915	7.918	7.913	7.906	7.906	7.913	7.918	7.868-7.968	7.912	0.005
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

RG58 .01010


1 NW Diesel
Curve Type: Averaged By-Response
Amt = Rsp/21397.51
%RSD: 3.020
Amount (x10^3)
Area (x10^7)
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 5.4
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

RG58 : 01041


$ 8 o-terph
Curve Type: Averaged By-Response
Amt = Rsp/19933.99
%RSD: 2.336
Amount
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

RG58 : 01042

NW MOTOR OIL RANGE INITIAL CALIBRATION

Lab Name: ANALYTICAL RESOURCES, INC. Client: 20100730

Instrument: FID3B.I Project:

Calibration Date: 31-JUL-2010 SDG No.: 20100730

Product Range	RF1 100	RF2 250	RF3 500	RF4 1000	RF5 2500	RF6 5000	Ave RF	%RSD
WA M.Oil C24-C38	12620	11767	11795	11887	11681	12739	12081	3.9
Triac Surr	14850	15844	16922	17487	16823	18431	16726	7.5

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

Calibration Files	Analysis Time
0730b025.d	30-JUL-2010 22:36
0730b026.d	30-JUL-2010 22:55
0730b027.d	30-JUL-2010 23:14
0730b028.d	30-JUL-2010 23:32
0730b030.d	31-JUL-2010 00:10
0730b032.d	31-JUL-2010 00:47

Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Batch File: /chem3/fid3b.i/20100730.b
Inst ID: fid3b.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06
FILENAME:	0730b025	0730b026	0730b027	0730b028	0730b030	0730b032
INJ.DATE:	30-JUL-2010	30-JUL-2010	30-JUL-2010	30-JUL-2010	31-JUL-2010	31-JUL-2010
INJ.TIME:	22:36	22:55	23:14	23:32	00:10	00:47

	Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1	Toluene	+++++	+++++	+++++	+++++	+++++	+++++	1.033	0.933-1.133	+++++	+++++
2	C8	+++++	+++++	+++++	+++++	+++++	+++++	1.329	1.229-1.429	+++++	+++++
3	C10	2.861	2.860	2.856	2.858	2.857	2.860	2.858	2.808-2.908	2.859	0.002
4	C12	3.472	3.466	3.467	3.470	3.471	3.468	3.468	3.418-3.518	3.469	0.002
5	C14	3.925	3.923	3.922	3.925	3.927	3.927	3.927	3.877-3.977	3.925	0.002
6	C16	4.325	4.322	4.319	4.322	4.322	4.322	4.321	4.271-4.371	4.322	0.002
7	C18	4.673	4.673	4.674	4.677	4.676	4.674	4.675	4.625-4.725	4.674	0.002
$ 8	o-terph	4.766	4.763	4.762	4.758	4.758	4.757	4.762	4.712-4.812	4.761	0.003
9	C20	5.000	4.999	4.998	5.000	4.996	4.996	4.998	4.948-5.048	4.998	0.002
10	C22	5.298	5.293	5.292	5.298	5.295	5.294	5.296	5.246-5.346	5.295	0.003
11	C24	5.605	5.603	5.604	5.601	5.605	5.606	5.603	5.553-5.653	5.604	0.002
12	C25	5.764	5.760	5.766	5.767	5.762	5.760	5.764	5.714-5.814	5.763	0.003
13	C26	5.924	5.923	5.924	5.924	5.928	5.924	5.926	5.876-5.976	5.924	0.002
14	C28	6.245	6.240	6.245	6.246	6.238	6.245	6.244	6.194-6.294	6.243	0.003
$ 15	Triacon Surr	6.558	6.557	6.561	6.568	6.581	6.604	6.559	6.509-6.609	6.571	0.018
16	C32	6.858	6.855	6.858	6.854	6.857	6.855	6.856	6.806-6.906	6.856	0.002
17	C34	7.140	7.138	7.139	7.141	7.138	7.144	7.141	7.091-7.191	7.140	0.002

Reviewer 1 _____ Date: 8/3/10
Reviewer 2 _____ Date: 8/6/10

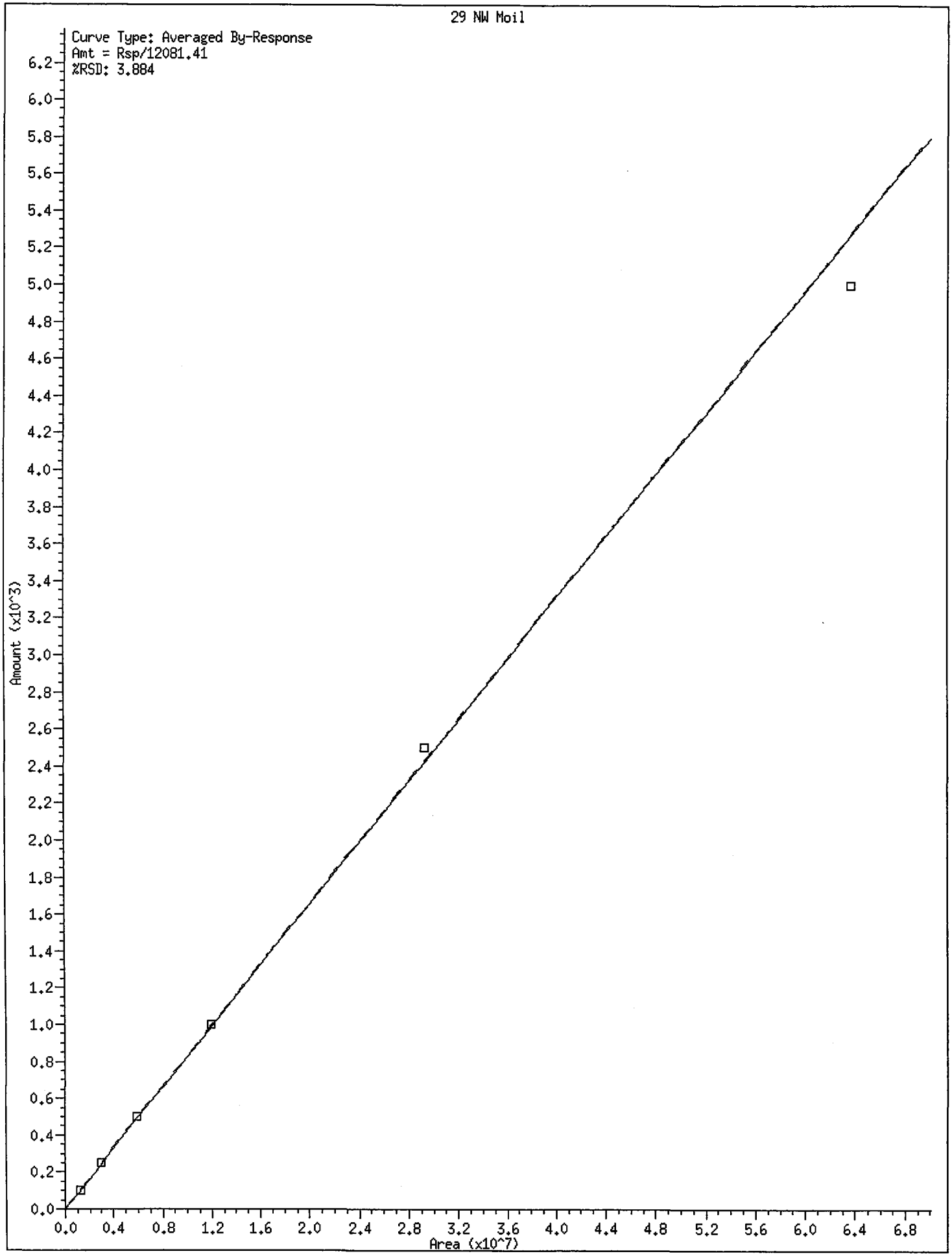
R558 08/04/10

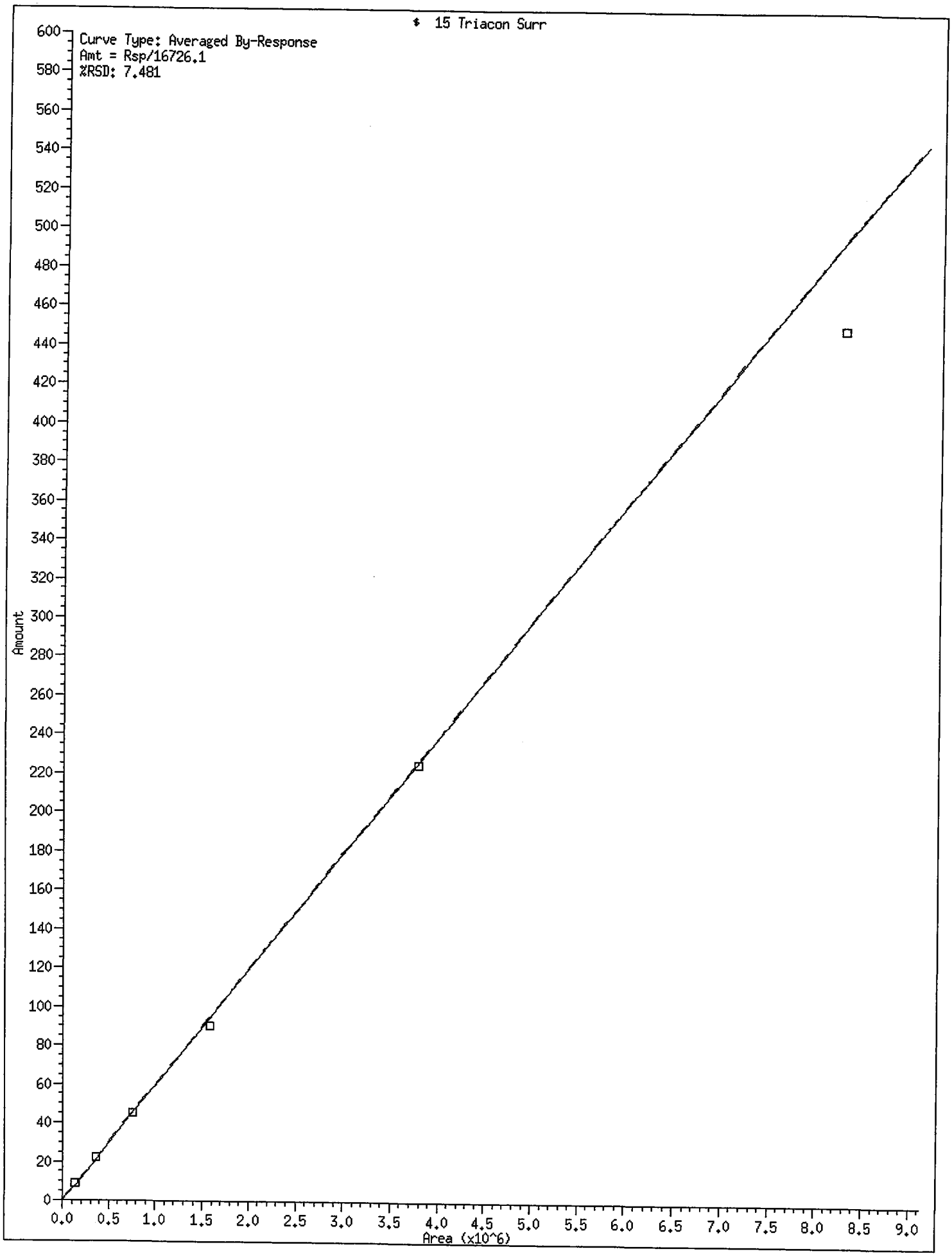
Analytical Resources, Inc.
RETENTION TIME SUMMARY REPORT

Method File: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Batch File: /chem3/fid3b.i/20100730.b
Inst ID: fid3b.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
18 Filter Peak	+++++	+++++	+++++	+++++	+++++	+++++	11.120	11.020-11.220	+++++	+++++
19 C36	7.413	7.411	7.414	7.409	7.411	7.412	7.413	7.363-7.463	7.411	0.001
20 C38	7.672	7.671	7.668	7.668	7.670	7.669	7.670	7.620-7.720	7.670	0.002
21 C40	7.918	7.921	7.915	7.917	7.920	7.919	7.918	7.868-7.968	7.918	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

RG56..6105


29 NW Moil
Curve Type: Averaged By-Response
Amt = Rsp/12081.41
%RSD: 3.884
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
6.0
6.2
0.0
0.4
0.8
1.2
1.6
2.0
2.4
2.8
3.2
3.6
4.0
4.4
4.8
5.2
5.6
6.0
6.4
6.8


$ 15 Triacon Surr
Curve Type: Averaged By-Response
Amt = Rsp/16726.1
%RSD: 7.481
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
600
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0

Analytical Resources Inc.: Organics Instrument Log

FID-3B Serial No.: US00003232

Date: 7/30/10 Analysis: NWTPHD Analyst: MM

GC Program: TPHHT Column No: 162178 Column Type: ZB1HT

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

Calibration File: Curve Date: 7/30/10

IS/SS

Ical/Ccal

1700-1
1680-3
1730-3
1737-3

LCS/ICV

	Time	Filename	LabID	ClientId	DF
1	1336	0730b001.d	RINSE		1
2	1355	0730b002.d	RINSE		1
3	1414	0730b003.d	RINSE		1
4	1433	0730b004.d	RINSE		1
5	1453	0730b005.d	RINSE		1
6	1512	0730b006.d	RINSE		1
7	1532	0730b007.d	RINSE		1
8	1551	0730b008.d	RINSE		1
9	1611	0730b009.d	RINSE		1
10	1631	0730b010.d	RINSE		1
11	1650	0730b011.d	RINSE		1
12	1828	0730b012.d	RINSE		1
13	1846	0730b013.d	RINSE		1
14	1906	0730b014.d	RINSE		1
15	1925	0730b015.d	RINSE		1
16	1944	0730b016.d	RT		1
17	2004	0730b017.d	IB		1
18	2023	0730b018.d	DIESEL 50		1
19	2042	0730b019.d	DIESEL 100		1
20	2101	0730b020.d	DIESEL 250		1
21	2120	0730b021.d	DIESEL 500		1
22	2139	0730b022.d	DIESEL 1000		1
23	2158	0730b023.d	DIESEL 2500		1
24	2217	0730b024.d	DIESEL ICV		1
25	2236	0730b025.d	MOIL 100		1
26	2255	0730b026.d	MOIL 250		1
27	2314	0730b027.d	MOIL 500		1
28	2332	0730b028.d	MOIL 1000		1
29	2351	0730b029.d	RINSE		1
30	0010	0730b030.d	MOIL 2500		1
31	0028	0730b031.d	RINSE		1
32	0047	0730b032.d	MOIL 5000		1
33	0106	0730b033.d	RINSE		1
34	0125	0730b034.d	MOIL ICV		1
35	0144	0730b035.d	RINSE		1
36	0203	0730b036.d	RINSE		1
37	0222	0730b037.d	DIESEL 250		1
38	0240	0730b038.d	MOIL 500		1

8/3/10

Maintenance / Comments The back injector is connected to the back detector. Clipped precolumn, detector column and changed pressight.

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.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b016.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: RT
Client ID:
Injection: 30-JUL-2010 19:44
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.033	0.000	456879	337608	GAS (Tol-C12)	1097687	40
C8	1.329	0.000	189901	240601	DIESEL (C12-C24)	1496059	70
C10	2.858	0.000	416657	232827	M.OIL (C24-C38)	1934119	160
C12	3.468	0.000	440250	214823	AK-102 (C10-C25)	1992788	83
C14	3.927	0.000	363188	216701	AK-103 (C25-C36)	1675056	188
C16	4.321	0.000	362104	222398	OR.DIES (C10-C28)	2818677	134
C18	4.675	0.000	368496	232634	OR.MOIL (C28-C40)	1352255	120
C20	4.998	0.000	363866	224926			
C22	5.296	0.000	339422	219901	STODDARD (C8-C12)	760079	27
C24	5.603	0.000	316031	231954			
C25	5.764	0.000	406879	323181			
C26	5.926	0.000	277906	237107			
C28	6.244	0.000	281413	242400			
C32	6.856	0.000	279045	260188			
C34	7.141	0.000	288583	263124	CREOSOT (C8-C22)	2002088	313
Filter Peak	----						
C36	7.413	0.000	290595	273201	BUNKERC (C10-C38)	3920470	454
o-terph	4.762	0.000	1421275	843115	JET-A (C10-C18)	1245736	79
Triacon Surr	6.559	0.000	941111	866222	IT.MOIL (C24-C40)	3050803	142

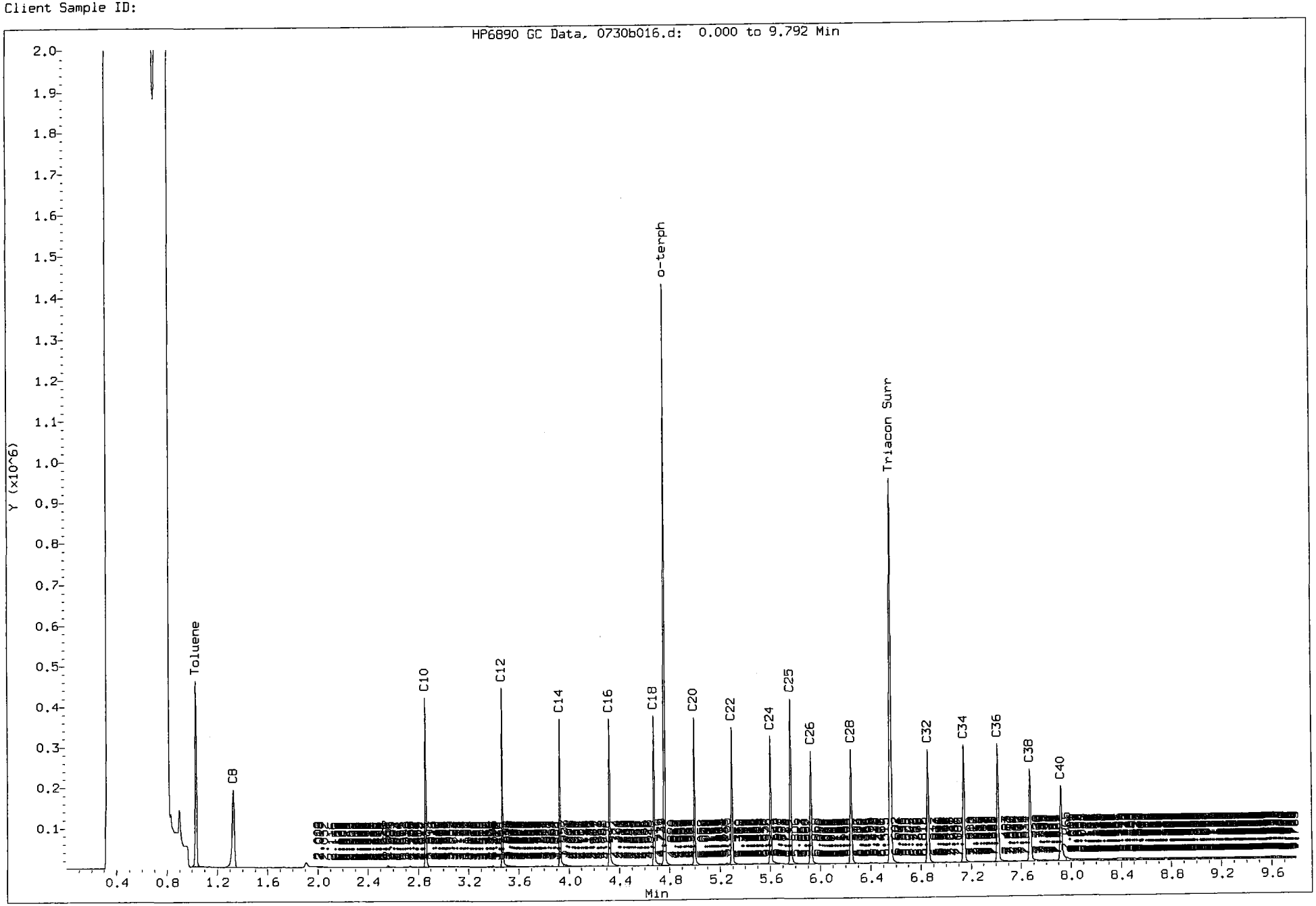
Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	843115	42.3	94.0
Triacontane	866222	51.8	115.1

MS 8/31/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730b016.d
Injection Date: 30-JUL-2010 19:44
Instrument: fid3b.i
Client Sample ID:



RG58 : 01050

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b017.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: IB
Client ID:
Injection: 30-JUL-2010 20:04
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	53274	2
C8	----				DIESEL (C12-C24)	47392	2
C10	2.862	0.004	1018	855	M.OIL (C24-C38)	100239	8
C12	3.465	-0.003	808	432	AK-102 (C10-C25)	79393	3
C14	3.930	0.003	519	242	AK-103 (C25-C36)	76073	9
C16	4.323	0.002	239	128	OR.DIES (C10-C28)	81657	4
C18	4.670	-0.005	270	244	OR.MOIL (C28-C40)	127566	11
C20	4.988	-0.009	613	377			
C22	5.297	0.001	134	75	STODDARD (C8-C12)	53274	2
C24	5.602	-0.001	51	29			
C25	5.763	0.000	38	5			
C26	5.931	0.005	74	34			
C28	6.246	0.002	316	369			
C32	6.869	0.013	2077	3970			
C34	7.141	0.000	908	924	CREOSOT (C8-C22)	99784	16
Filter Peak	----						
C36	7.409	-0.004	1090	324	BUNKERC (C10-C38)	179595	21
o-terph	4.762	0.000	1553537	869035	JET-A (C10-C18)	60151	4
Triacon Surr	6.563	0.004	818399	711389	IT.MOIL (C24-C40)	841256	39

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	869035	43.6	96.9
Triacontane	711389	42.5	94.5

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

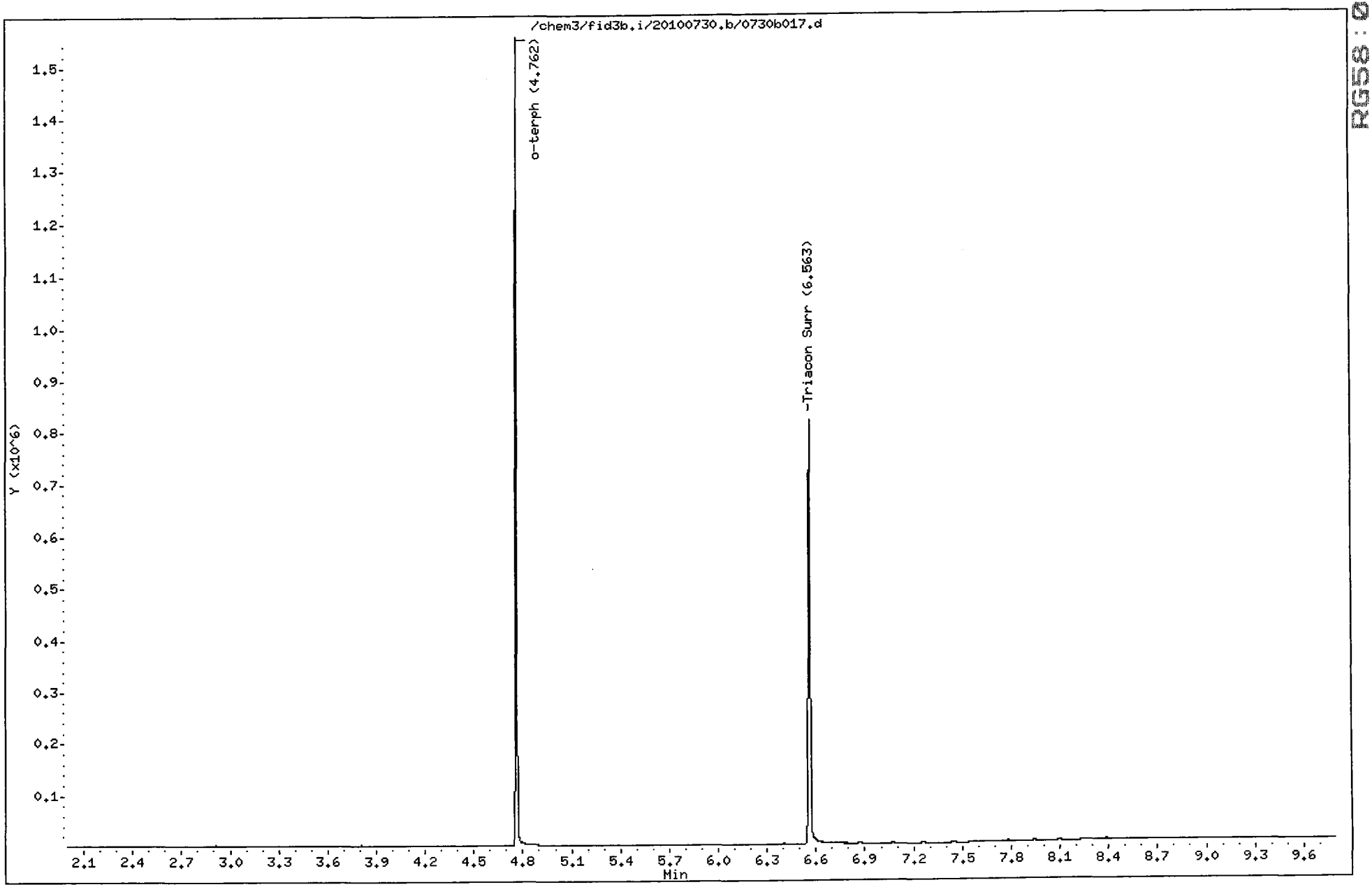
Data File: /chem3/fid3b.i/20100730.b/0730b017.d
Date : 30-JUL-2010 20:04
Client ID:
Sample Info: IB

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

R65801552



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b018.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 50
Client ID:
Injection: 30-JUL-2010 20:23
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	203100	7
C8	----				DIESEL (C12-C24)	1110903	52
C10	2.859	0.001	5638	4849	M.OIL (C24-C38)	63488	5
C12	3.468	0.001	8865	7583	AK-102 (C10-C25)	1263931	52
C14	3.925	-0.001	21926	23612	AK-103 (C25-C36)	40579	5
C16	4.321	0.000	39235	39802	OR.DIES (C10-C28)	1274848	60
C18	4.674	-0.001	39296	35683	OR.MOIL (C28-C40)	78683	7
C20	4.998	0.000	18246	22375			
C22	5.299	0.003	5339	5505	STODDARD (C8-C12)	203100	7
C24	5.597	-0.006	1196	621			
C25	5.760	-0.003	625	310			
C26	5.922	-0.003	296	159			
C28	6.242	-0.002	52	16			
C32	6.842	-0.013	172	67			
C34	7.141	0.000	373	160	CREOSOT (C8-C22)	1280826	200
Filter Peak	----						
C36	7.411	-0.002	735	302	BUNKERC (C10-C38)	1323852	153
o-terph	4.759	-0.003	369839	176329	JET-A (C10-C18)	945094	60
Triacon Surr	6.558	-0.001	38	9	IT.MOIL (C24-C40)	93176	4

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	176329	8.8	19.7
Triacontane	9	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

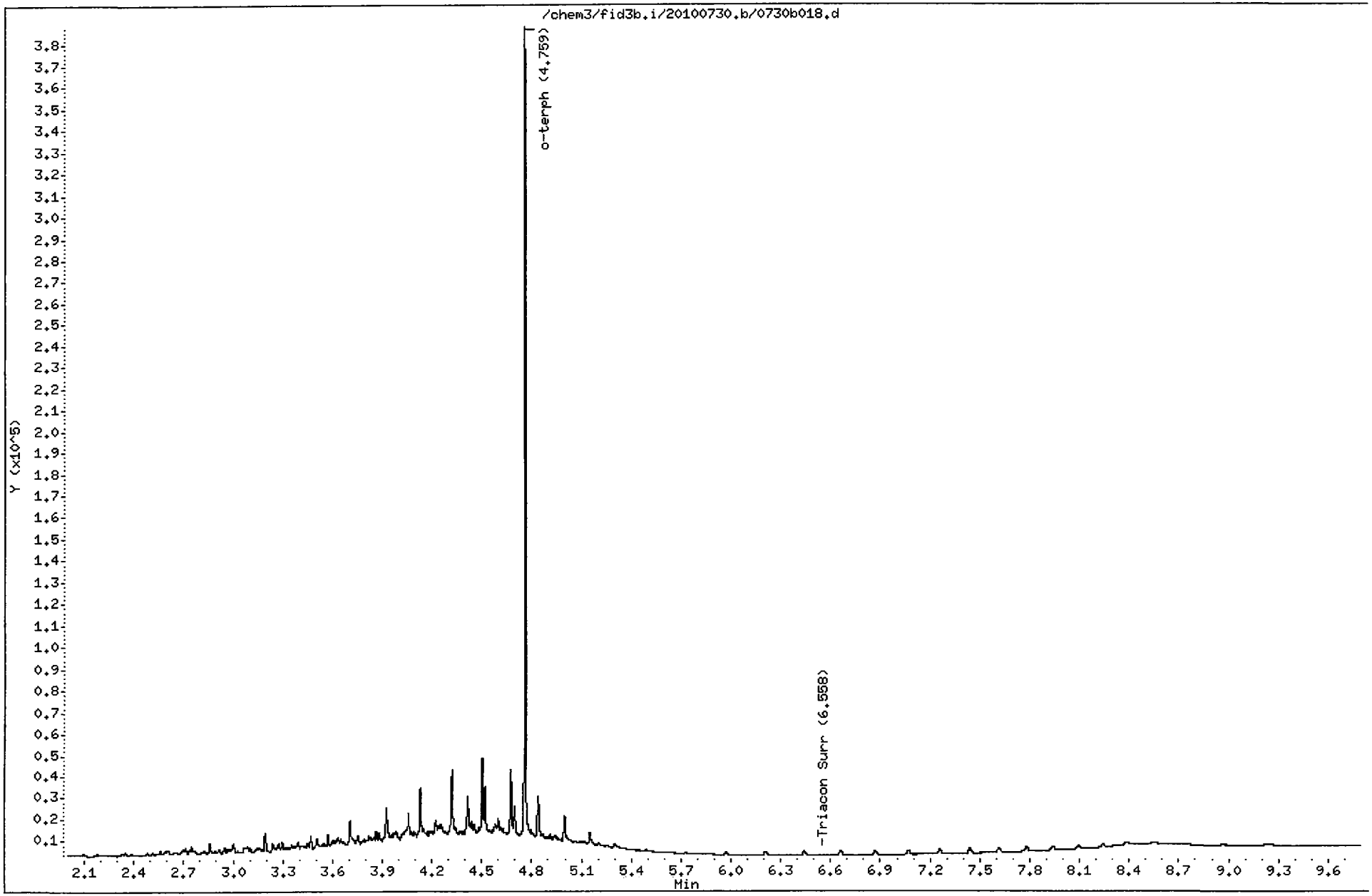
RG58 : 01053

Data File: /chem3/fid3b.i/20100730.b/0730b018.d
Date : 30-JUL-2010 20:23
Client ID:
Sample Info: DIESEL 50

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b019.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 100
Client ID:
Injection: 30-JUL-2010 20:42
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	357151	13
C8	----				DIESEL (C12-C24)	2117036	99
C10	2.858	0.000	10639	8623	M.OIL (C24-C38)	49930	4
C12	3.467	-0.001	21033	17918	AK-102 (C10-C25)	2395904	99
C14	3.924	-0.003	50684	48589	AK-103 (C25-C36)	30461	3
C16	4.320	-0.001	89321	73174	OR.DIES (C10-C28)	2410790	114
C18	4.674	-0.001	82793	68218	OR.MOIL (C28-C40)	55412	5
C20	4.997	-0.001	44397	37760			
C22	5.295	-0.001	15167	18309	STODDARD (C8-C12)	357151	13
C24	5.601	-0.003	2183	553			
C25	5.767	0.003	1066	252			
C26	5.926	0.000	515	99			
C28	6.242	-0.003	97	42			
C32	6.845	-0.010	124	24			
C34	7.140	-0.002	297	98	CREOSOT (C8-C22)	2410629	377
Filter Peak	----						
C36	7.414	0.000	654	220	BUNKERC (C10-C38)	2440659	282
o-terph	4.761	-0.001	724883	349103	JET-A (C10-C18)	1787874	113
Triacon Surr	6.562	0.003	35	12	IT.MOIL (C24-C40)	75484	4

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	349103	17.5	38.9
Triacontane	12	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

RG58 : 01055

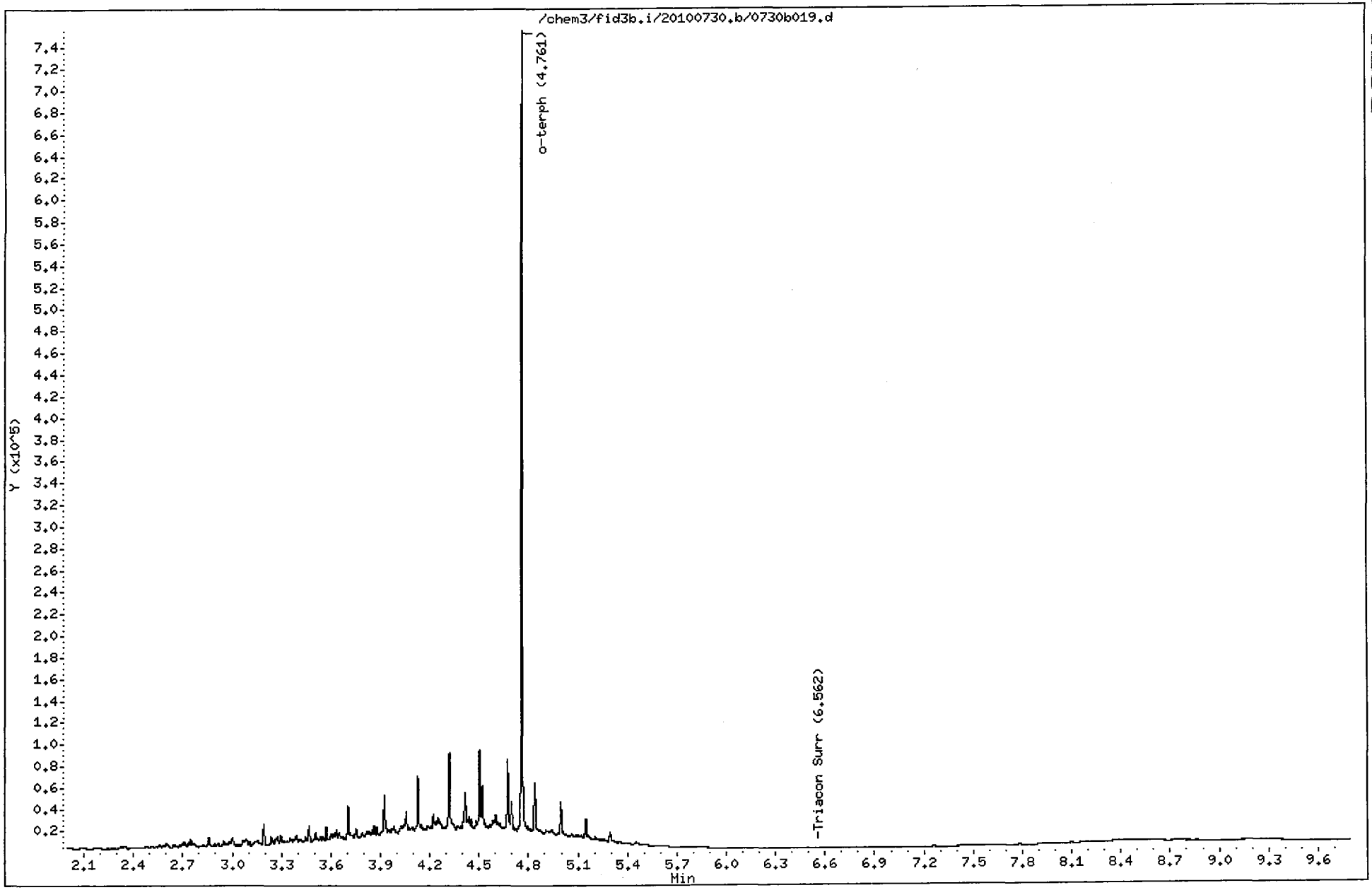
Data File: /chem3/fid3b.i/20100730.b/0730b019.d
Date : 30-JUL-2010 20:42
Client ID:
Sample Info: DIESEL 100

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

RG58:01956



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b020.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 250
Client ID:
Injection: 30-JUL-2010 21:01
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	832540	30
C8	----				DIESEL (C12-C24)	5489470	257
C10	2.857	-0.001	26815	24142	M.OIL (C24-C38)	83893	7
C12	3.467	-0.001	68591	49107	AK-102 (C10-C25)	6156318	255
C14	3.925	-0.002	140104	127189	AK-103 (C25-C36)	56030	6
C16	4.321	0.000	232770	207768	OR.DIES (C10-C28)	6196310	294
C18	4.675	0.000	208305	168485	OR.MOIL (C28-C40)	57280	5
C20	4.996	-0.001	126032	107297			
C22	5.293	-0.003	50635	46451	STODDARD (C8-C12)	832540	30
C24	5.604	0.001	9772	11489			
C25	5.766	0.003	3129	1191			
C26	5.921	-0.004	1314	959			
C28	6.242	-0.002	220	92			
C32	6.846	-0.010	82	35			
C34	7.139	-0.002	240	125	CREOSOT (C8-C22)	6143951	961
Filter Peak	----						
C36	7.415	0.002	533	105	BUNKERC (C10-C38)	6227250	720
o-terph	4.763	0.001	1611540	900101	JET-A (C10-C18)	4563495	288
Triacon Surr	6.553	-0.006	23	12	IT.MOIL (C24-C40)	110245	5

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	900101	45.2	100.3
Triacontane	12	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst MS Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b020.d

Date : 30-JUL-2010 21:01

Client ID:

Sample Info: DIESEL 250

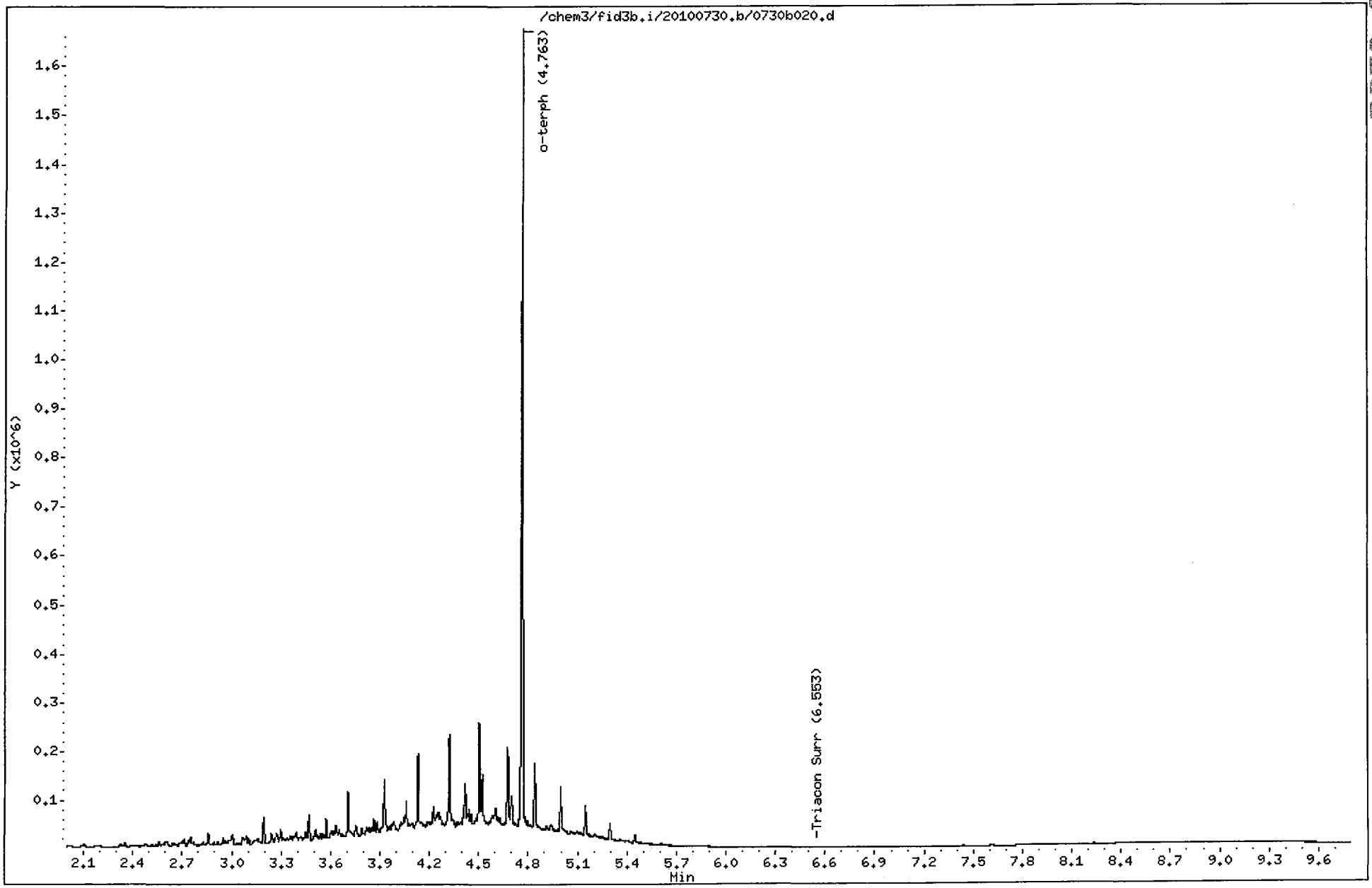
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:91958



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b021.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 500
Client ID:
Injection: 30-JUL-2010 21:20
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	1605957	59
C8	----				DIESEL (C12-C24)	10782573	504
C10	2.859	0.001	57423	40767	M.OIL (C24-C38)	193569	16
C12	3.467	-0.001	150148	107232	AK-102 (C10-C25)	12080374	501
C14	3.925	-0.002	281705	192683	AK-103 (C25-C36)	138842	16
C16	4.321	0.000	459275	397727	OR.DIES (C10-C28)	12158488	577
C18	4.676	0.001	438078	346941	OR.MOIL (C28-C40)	138643	12
C20	4.998	0.000	247680	229025			
C22	5.294	-0.002	107189	91506	STODDARD (C8-C12)	1605957	58
C24	5.603	-0.001	25044	36788			
C25	5.764	0.000	8933	11255			
C26	5.928	0.002	2767	880			
C28	6.244	0.000	417	209			
C32	6.866	0.010	6270	6679			
C34	7.138	-0.003	199	114	CREOSOT (C8-C22)	12025891	1880
Filter Peak	----						
C36	7.404	-0.009	435	170	BUNKERC (C10-C38)	12247345	1417
o-terph	4.766	0.004	2832336	1779428	JET-A (C10-C18)	8975857	566
Triacon Surr	6.562	0.003	37	8	IT.MOIL (C24-C40)	243363	11

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1779428	89.3	198.4
Triacontane	8	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

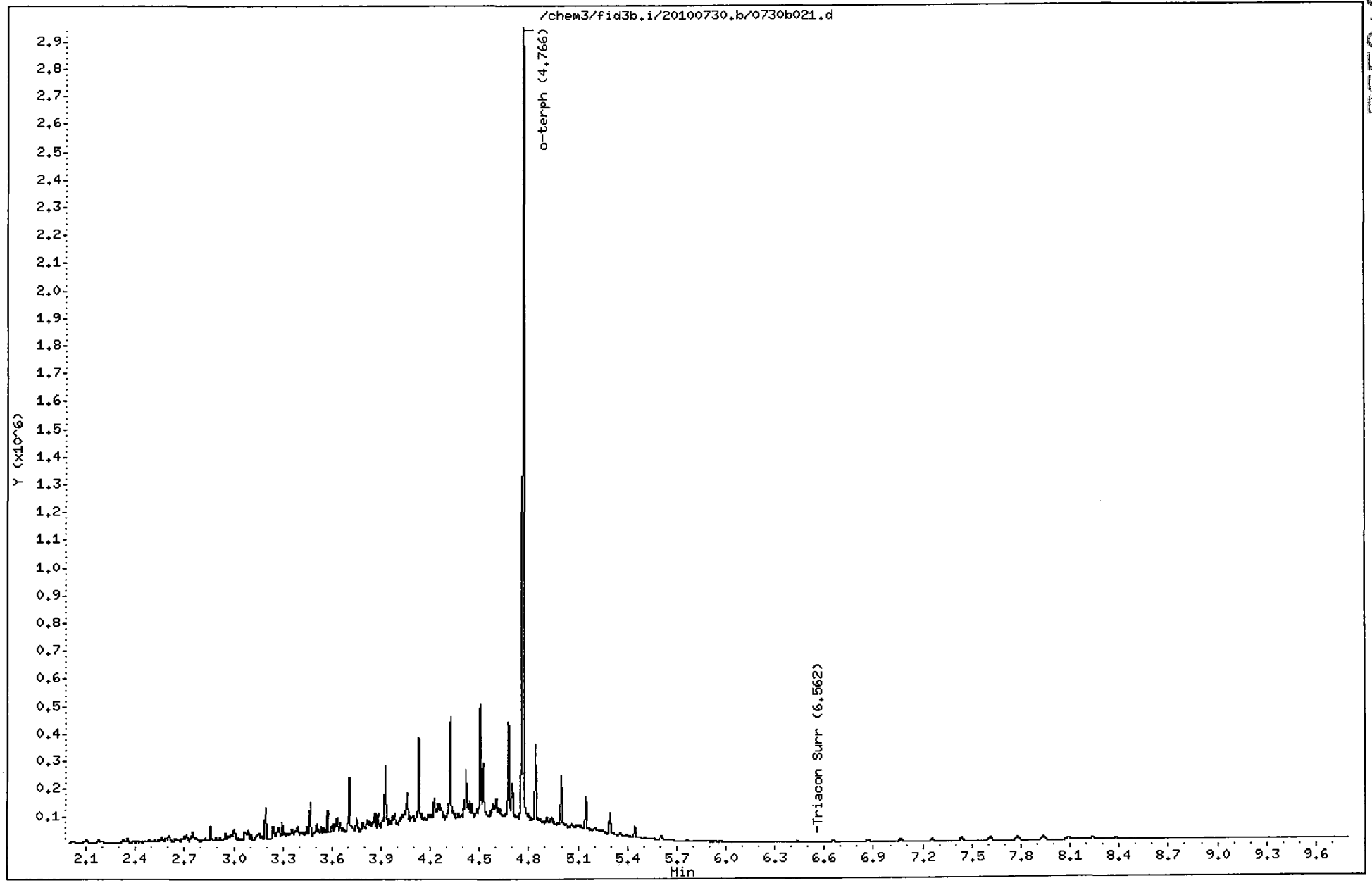
Analyst _____ Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b021.d
Date : 30-JUL-2010 21:20
Client ID:
Sample Info: DIESEL 500

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b022.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 1000
Client ID:
Injection: 30-JUL-2010 21:39
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	3183656	116
C8	----				DIESEL (C12-C24)	21008398	982
C10	2.859	0.001	116245	79992	M.OIL (C24-C38)	246197	20
C12	3.468	0.000	303568	209857	AK-102 (C10-C25)	23623694	980
C14	3.926	-0.001	587854	482277	AK-103 (C25-C36)	175618	20
C16	4.323	0.002	905598	796869	OR.DIES (C10-C28)	23782497	1128
C18	4.678	0.002	807496	638826	OR.MOIL (C28-C40)	50889	5
C20	4.998	0.000	504752	389992			
C22	5.295	-0.001	227321	199991	STODDARD (C8-C12)	3183656	115
C24	5.602	-0.001	59793	78521			
C25	5.763	-0.001	23276	31928			
C26	5.926	0.000	7146	5485			
C28	6.246	0.002	980	756			
C32	6.846	-0.010	31	8			
C34	7.142	0.001	155	78	CREOSOT (C8-C22)	23499171	3674
Filter Peak	----						
C36	7.412	-0.001	462	183	BUNKERC (C10-C38)	23812236	2755
o-terph	4.774	0.012	5143602	3623484	JET-A (C10-C18)	17422692	1099
Triacon Surr	6.558	-0.001	143	74	IT.MOIL (C24-C40)	267420	12

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3623484	181.8	403.9
Triacontane	74	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b022.d

Date : 30-JUL-2010 21:39

Client ID:

Sample Info: DIESEL 1000

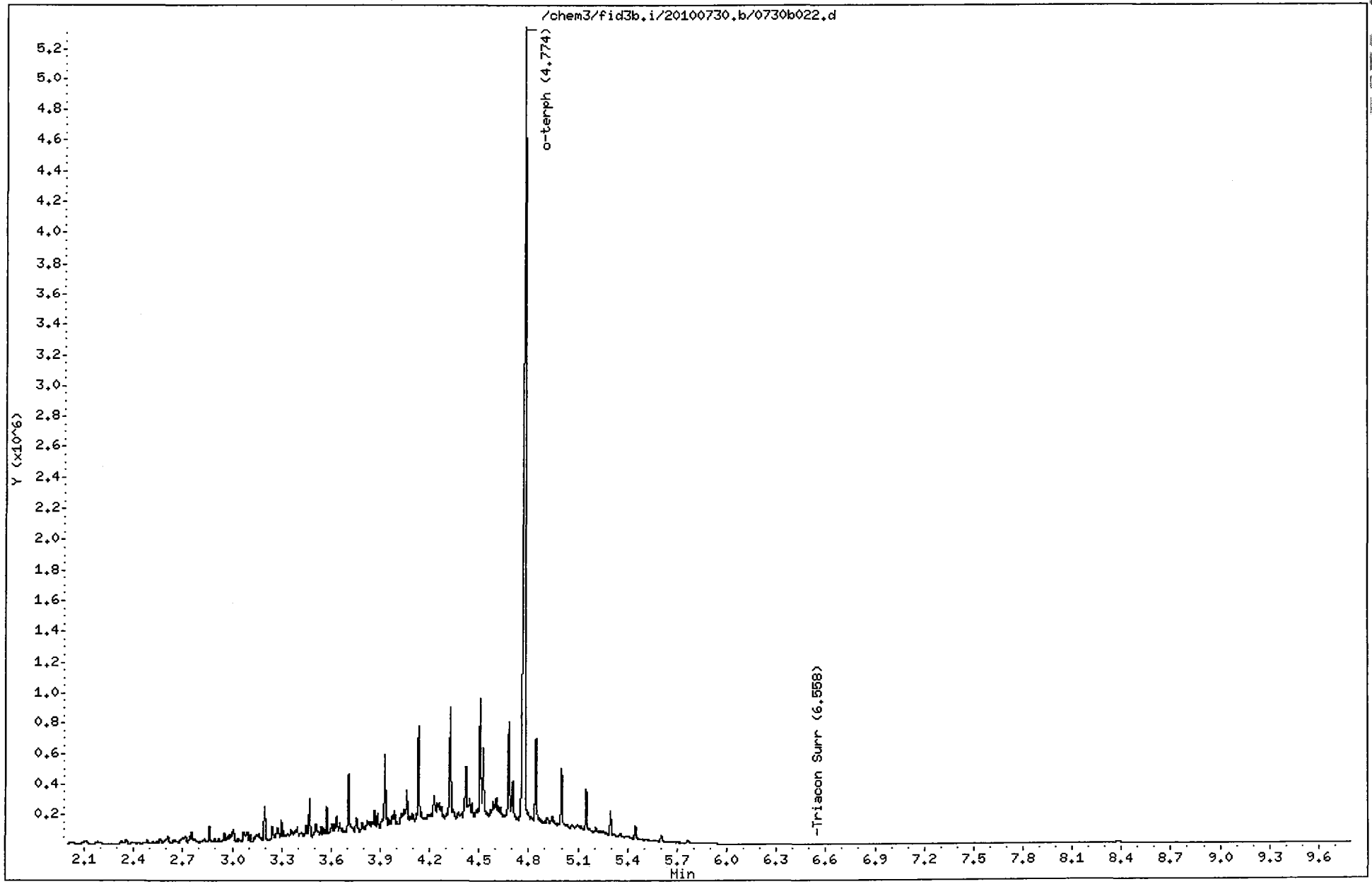
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:91062



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b023.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL 2500
Client ID:
Injection: 30-JUL-2010 21:58
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	7659234	280
C8	----				DIESEL (C12-C24)	51163096	2391
C10	2.863	0.005	285421	198918	M.OIL (C24-C38)	572344	47
C12	3.470	0.002	694665	522755	AK-102 (C10-C25)	57436252	2383
C14	3.929	0.002	1273547	1199224	AK-103 (C25-C36)	425535	48
C16	4.326	0.004	2112542	1828650	OR.DIES (C10-C28)	57835068	2742
C18	4.683	0.007	1755535	1805295	OR.MOIL (C28-C40)	53128	5
C20	5.002	0.005	1242586	994726			
C22	5.298	0.002	554784	489931	STODDARD (C8-C12)	7659234	277
C24	5.604	0.001	157104	182807			
C25	5.764	0.000	68790	96490			
C26	5.924	-0.001	24943	35913			
C28	6.241	-0.003	2845	707			
C32	6.847	-0.009	103	17			
C34	7.140	-0.001	80	25	CREOSOT (C8-C22)	57023201	8915
Filter Peak	----						
C36	7.414	0.001	258	70	BUNKERC (C10-C38)	57869869	6695
o-terph	4.787	0.025	8993833	9320882	JET-A (C10-C18)	42325036	2671
Triacon Surr	6.558	-0.002	576	210	IT.MOIL (C24-C40)	590881	27

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	9320882	467.6	1039.1
Triacontane	210	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

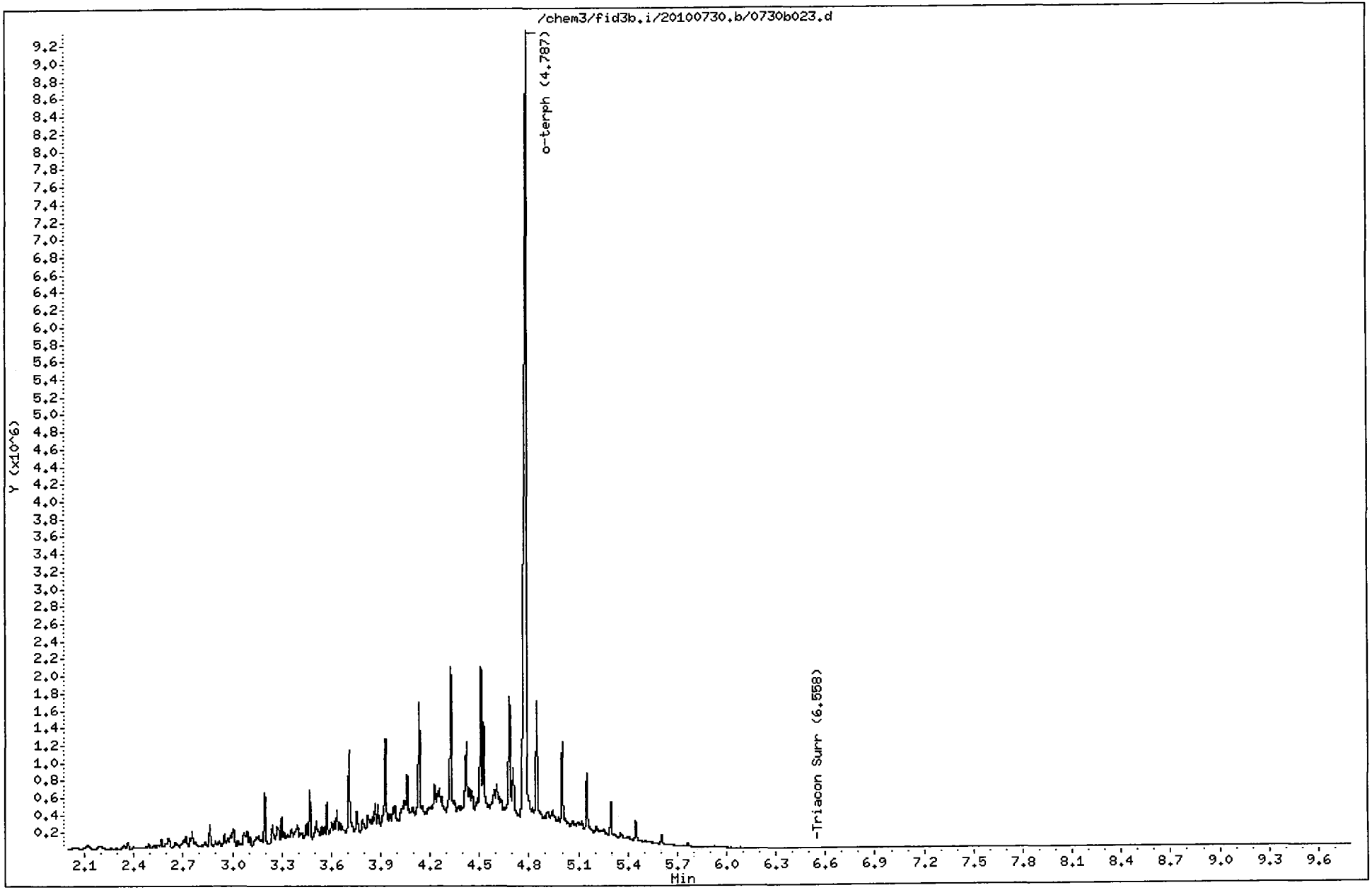
Data File: /chem3/fid3b.i/20100730.b/0730b023.d
Date : 30-JUL-2010 21:58
Client ID:
Sample Info: DIESEL 2500

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

RG58:01664



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b024.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: DIESEL ICV
Client ID:
Injection: 30-JUL-2010 22:17
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	1033627	38
C8	----				DIESEL (C12-C24)	6633491	310
C10	2.859	0.001	35248	24957	M.OIL (C24-C38)	127459	11
C12	3.467	0.000	86410	59948	AK-102 (C10-C25)	7469067	310
C14	3.926	-0.001	173324	148864	AK-103 (C25-C36)	93021	10
C16	4.320	-0.001	296816	249967	OR.DIES (C10-C28)	7515320	356
C18	4.676	0.000	273795	228555	OR.MOIL (C28-C40)	99093	9
C20	4.997	-0.001	155638	143379			
C22	5.294	-0.002	60394	56049	STODDARD (C8-C12)	1033627	37
C24	5.605	0.002	13282	16336			
C25	5.765	0.001	4054	633			
C26	5.927	0.001	1441	1201			
C28	6.248	0.004	261	48			
C32	6.870	0.014	5168	4822			
C34	7.140	-0.001	246	62	CREOSOT (C8-C22)	7455713	1166
Filter Peak	----						
C36	7.410	-0.003	515	121	BUNKERC (C10-C38)	7579454	877
o-terph	4.764	0.002	2022776	1079874	JET-A (C10-C18)	5495826	347
Triacon Surr	6.562	0.003	18	7	IT.MOIL (C24-C40)	162424	8

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1079874	54.2	120.4
Triacontane	7	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

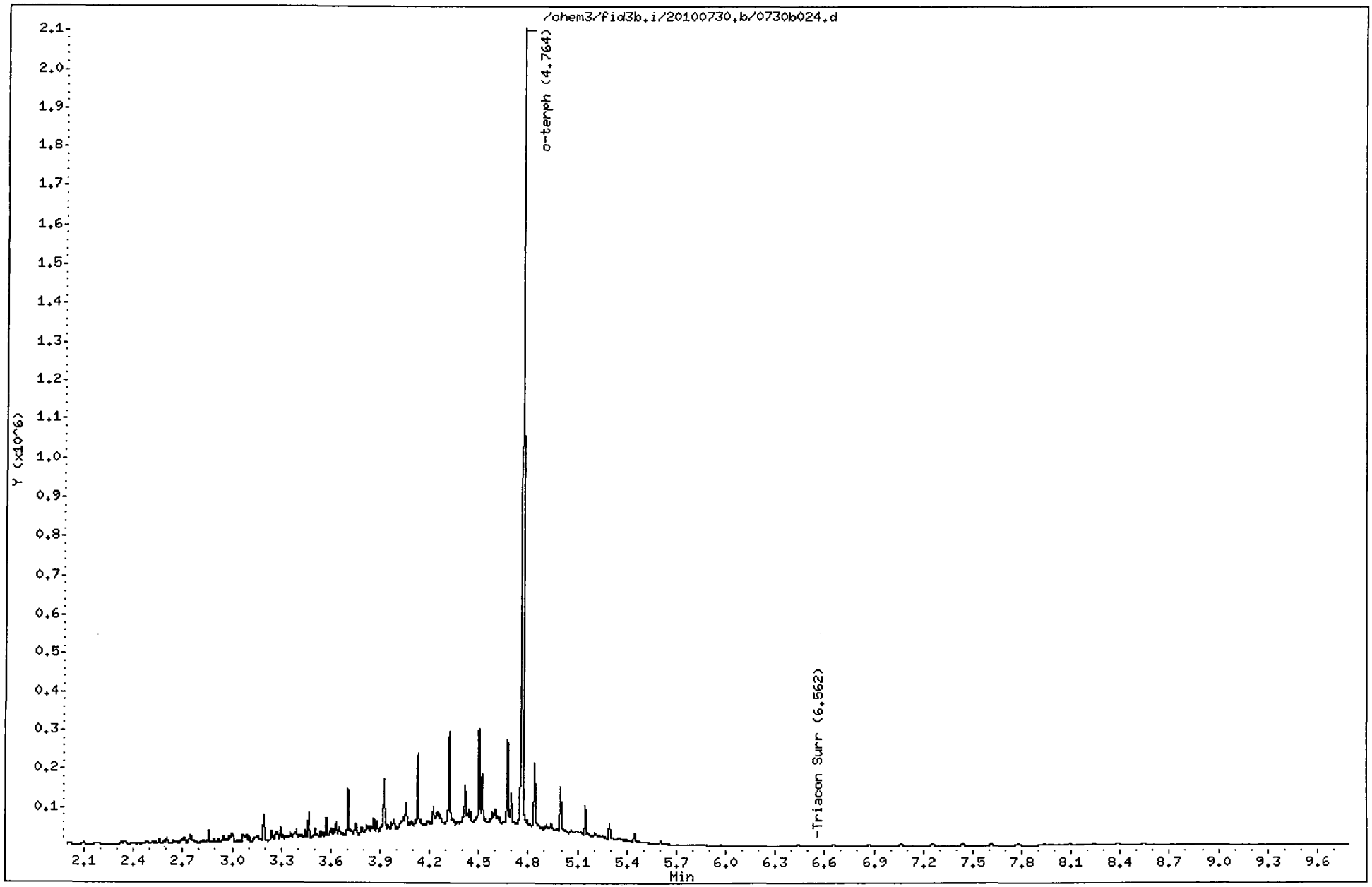
RG58:01065

Data File: /chem3/fid3b.i/20100730.b/0730b024.d
Date : 30-JUL-2010 22:17
Client ID:
Sample Info: DIESEL ICV

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b025.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 100
Client ID:
Injection: 30-JUL-2010 22:36
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	59389	2
C8	----				DIESEL (C12-C24)	136639	6
C10	2.861	0.003	1070	391	M.OIL (C24-C38)	1262007	104
C12	3.472	0.004	808	323	AK-102 (C10-C25)	192127	8
C14	3.925	-0.002	408	197	AK-103 (C25-C36)	1074099	120
C16	4.325	0.003	148	52	OR.DIES (C10-C28)	467661	22
C18	4.673	-0.002	50	17	OR.MOIL (C28-C40)	1110594	99
C20	5.000	0.003	534	84			
C22	5.298	0.002	2675	836	STODDARD (C8-C12)	59389	2
C24	5.605	0.002	5233	917			
C25	5.764	0.000	6238	1108			
C26	5.924	-0.002	7918	3299			
C28	6.245	0.001	9206	1987			
C32	6.858	0.002	12172	4066			
C34	7.140	-0.001	12960	3267	CREOSOT (C8-C22)	118096	18
Filter Peak	----						
C36	7.413	-0.001	11888	4717	BUNKERC (C10-C38)	1435110	166
o-terph	4.766	0.004	653	656	JET-A (C10-C18)	58172	4
Triacon Surr	6.558	-0.001	177130	133653	IT.MOIL (C24-C40)	1538805	72

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	656	0.0	0.1
Triacontane	133653	8.0	17.8

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

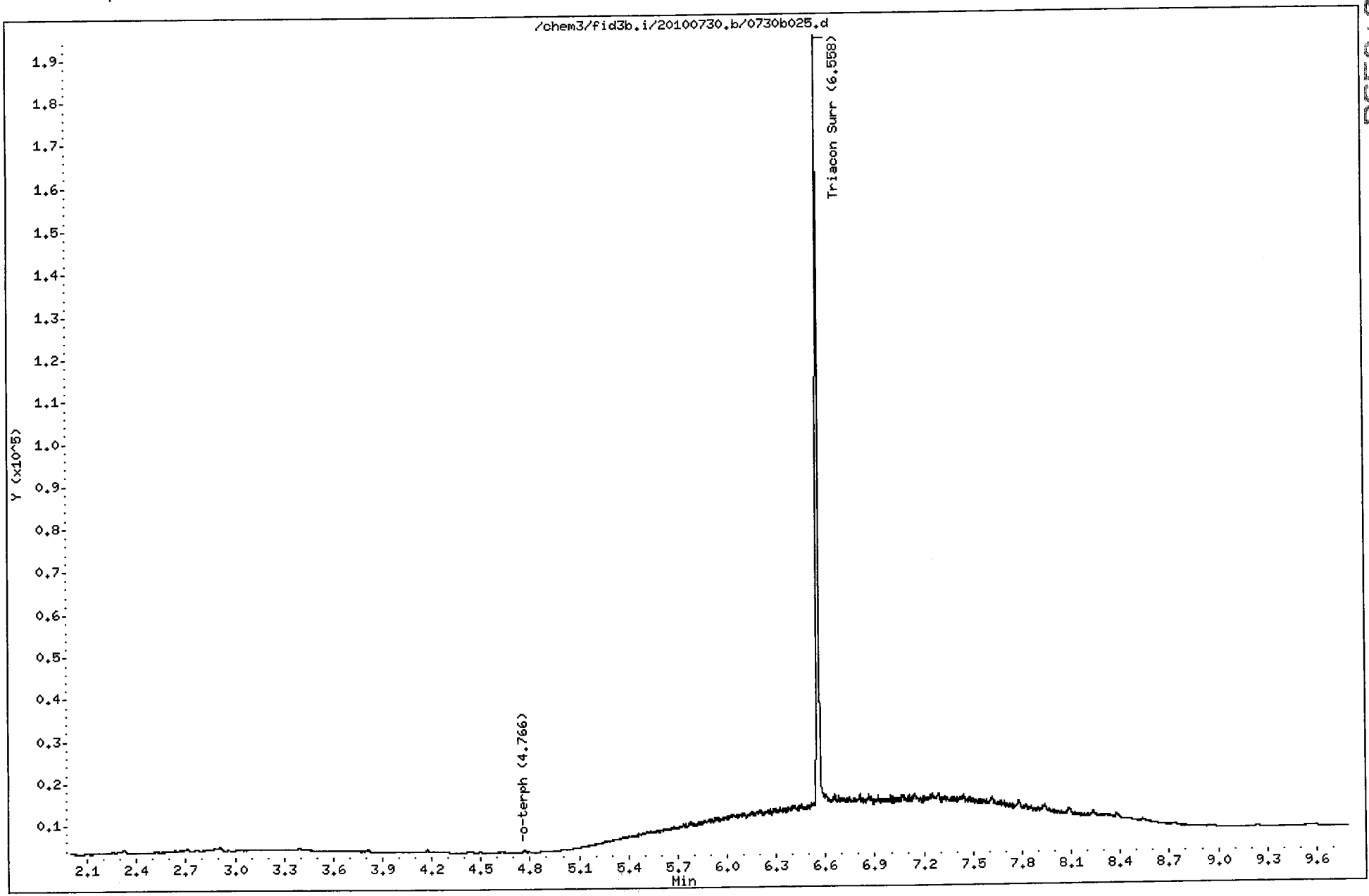
Data File: /chem3/fid3b.i/20100730.b/0730b025.d
Date : 30-JUL-2010 22:36
Client ID:
Sample Info: MOIL 100

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

RG58:01068



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b026.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 250
Client ID:
Injection: 30-JUL-2010 22:55
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	54421	2
C8	----				DIESEL (C12-C24)	322420	15
C10	2.860	0.002	1106	911	M.OIL (C24-C38)	2941763	243
C12	3.466	-0.001	692	284	AK-102 (C10-C25)	405267	17
C14	3.923	-0.003	393	183	AK-103 (C25-C36)	2523700	283
C16	4.322	0.001	138	66	OR.DIES (C10-C28)	1063179	50
C18	4.673	-0.002	150	79	OR.MOIL (C28-C40)	2531012	224
C20	4.999	0.002	1661	707			
C22	5.293	-0.003	6646	2620	STODDARD (C8-C12)	54421	2
C24	5.603	0.000	12926	3044			
C25	5.760	-0.003	15791	3992			
C26	5.923	-0.002	18737	5063			
C28	6.240	-0.004	22766	17103			
C32	6.855	0.000	29395	10185			
C34	7.138	-0.003	29817	13225	CREOSOT (C8-C22)	176037	28
Filter Peak	----						
C36	7.411	-0.002	26300	7168	BUNKERC (C10-C38)	3299187	382
o-terph	4.763	0.002	758	732	JET-A (C10-C18)	56598	4
Triacon Surr	6.557	-0.002	441016	356482	IT.MOIL (C24-C40)	3593249	167

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	732	0.0	0.1
Triacontane	356482	21.3	47.4

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

RG58 : 01069

Data File: /chem3/fid3b.i/20100730.b/0730b026.d

Date : 30-JUL-2010 22:55

Client ID:

Sample Info: MOIL 250

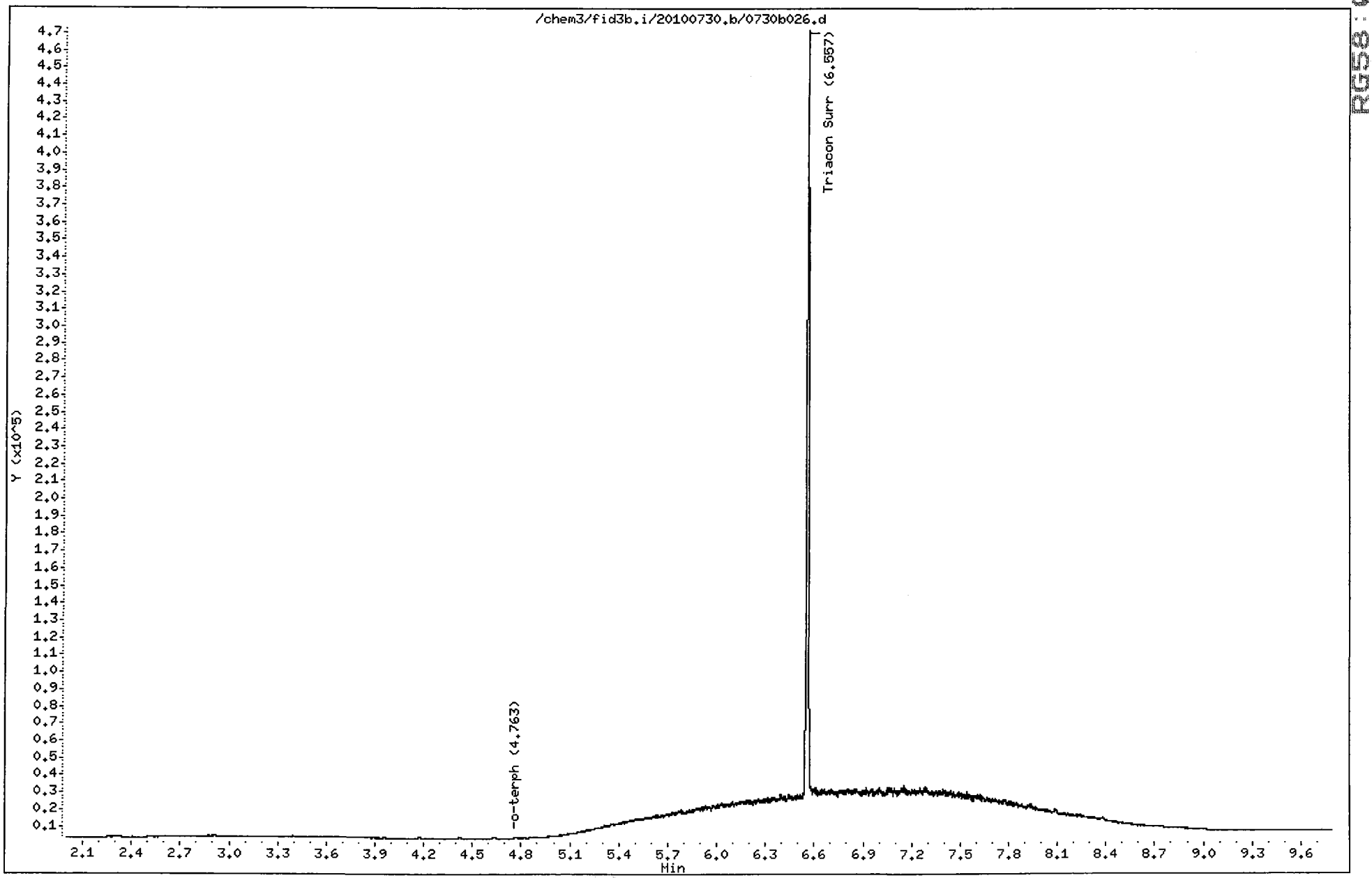
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:01975



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b027.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 500
Client ID:
Injection: 30-JUL-2010 23:14
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	61429	2
C8	----				DIESEL (C12-C24)	661397	31
C10	2.856	-0.002	1273	310	M.OIL (C24-C38)	5897444	488
C12	3.467	-0.001	772	289	AK-102 (C10-C25)	796757	33
C14	3.922	-0.005	525	176	AK-103 (C25-C36)	5098876	571
C16	4.319	-0.002	278	113	OR.DIES (C10-C28)	2129868	101
C18	4.674	-0.001	552	196	OR.MOIL (C28-C40)	5025371	446
C20	4.998	0.000	3647	716			
C22	5.292	-0.004	14044	4392	STODDARD (C8-C12)	61429	2
C24	5.604	0.000	27326	15789			
C25	5.766	0.002	33190	10855			
C26	5.924	-0.002	38046	12688			
C28	6.245	0.000	48533	19176			
C32	6.858	0.002	63236	21003			
C34	7.139	-0.002	59785	13961	CREOSOT (C8-C22)	311324	49
Filter Peak	----						
C36	7.414	0.000	57110	39334	BUNKERC (C10-C38)	6597535	763
o-terph	4.762	0.000	1198	1526	JET-A (C10-C18)	73818	5
Triacon Surr	6.561	0.001	859319	761480	IT.MOIL (C24-C40)	7216629	336

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1526	0.1	0.2
Triacontane	761480	45.5	101.2

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/3/10

RG58:01071

Data File: /chem3/fid3b.i/20100730.b/0730b027.d

Date : 30-JUL-2010 23:14

Client ID:

Sample Info: MOIL 500

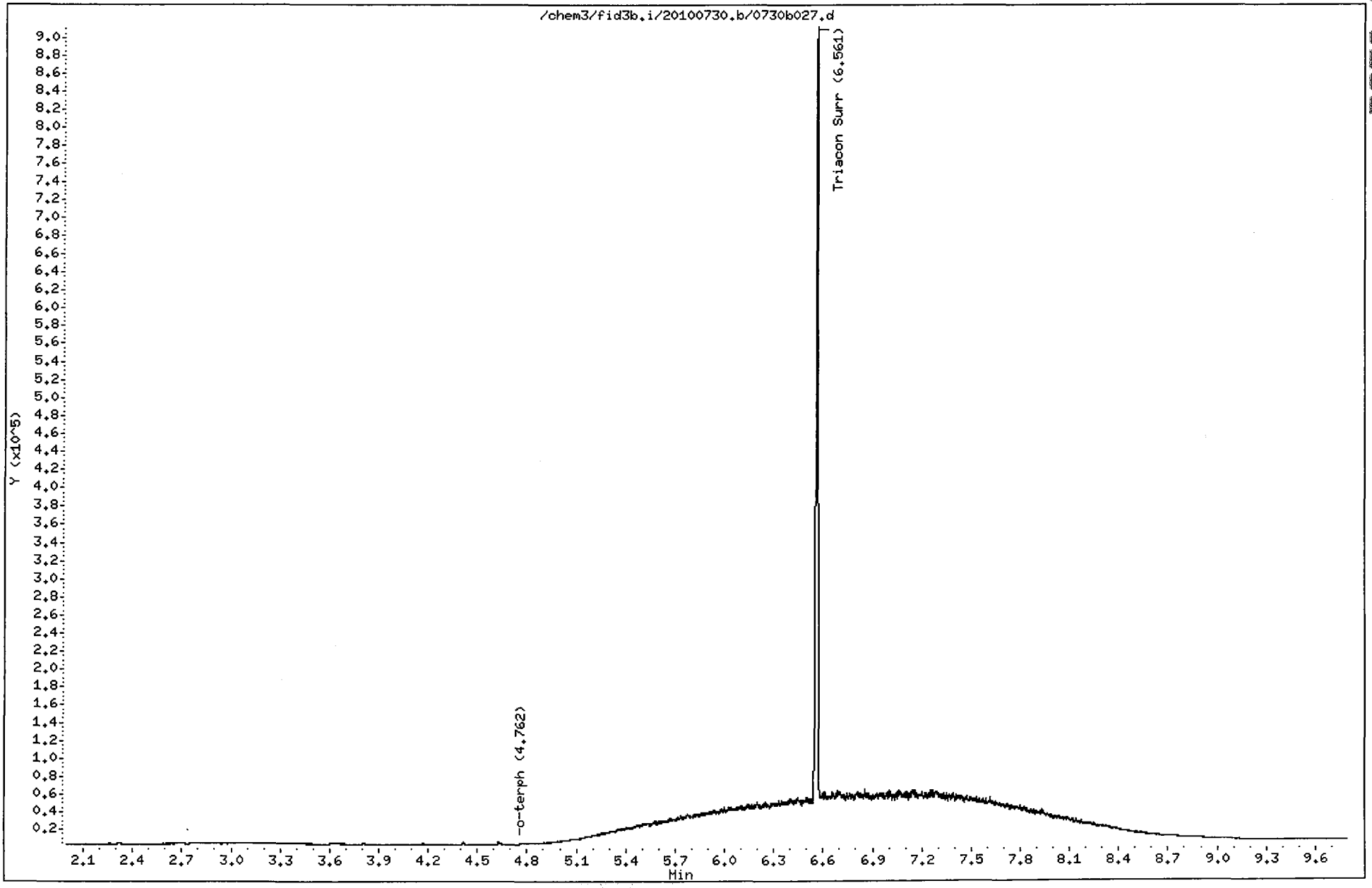
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:01072



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b028.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 1000
Client ID:
Injection: 30-JUL-2010 23:32
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	72637	3
C8	----				DIESEL (C12-C24)	1386989	65
C10	2.858	0.001	1897	1836	M.OIL (C24-C38)	11886809	984
C12	3.470	0.002	1037	577	AK-102 (C10-C25)	1637290	68
C14	3.925	-0.001	834	432	AK-103 (C25-C36)	10178714	1140
C16	4.322	0.001	584	148	OR.DIES (C10-C28)	4288810	203
C18	4.677	0.002	1434	588	OR.MOIL (C28-C40)	10179667	903
C20	5.000	0.003	8627	6697			
C22	5.298	0.003	30407	15588	STODDARD (C8-C12)	72637	3
C24	5.601	-0.002	56341	40257			
C25	5.767	0.003	70210	55090			
C26	5.924	-0.001	76118	32730			
C28	6.246	0.002	93898	37136			
C32	6.854	-0.002	121094	45621			
C34	7.141	0.000	119577	41572	CREOSOT (C8-C22)	609564	95
Filter Peak	----						
C36	7.409	-0.004	114138	61669	BUNKERC (C10-C38)	13321155	1541
o-terph	4.758	-0.003	2740	1977	JET-A (C10-C18)	111596	7
Triacon Surr	6.568	0.009	1661068	1573813	IT.MOIL (C24-C40)	14607944	680

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1977	0.1	0.2
Triacontane	1573813	94.1	209.1

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS

1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

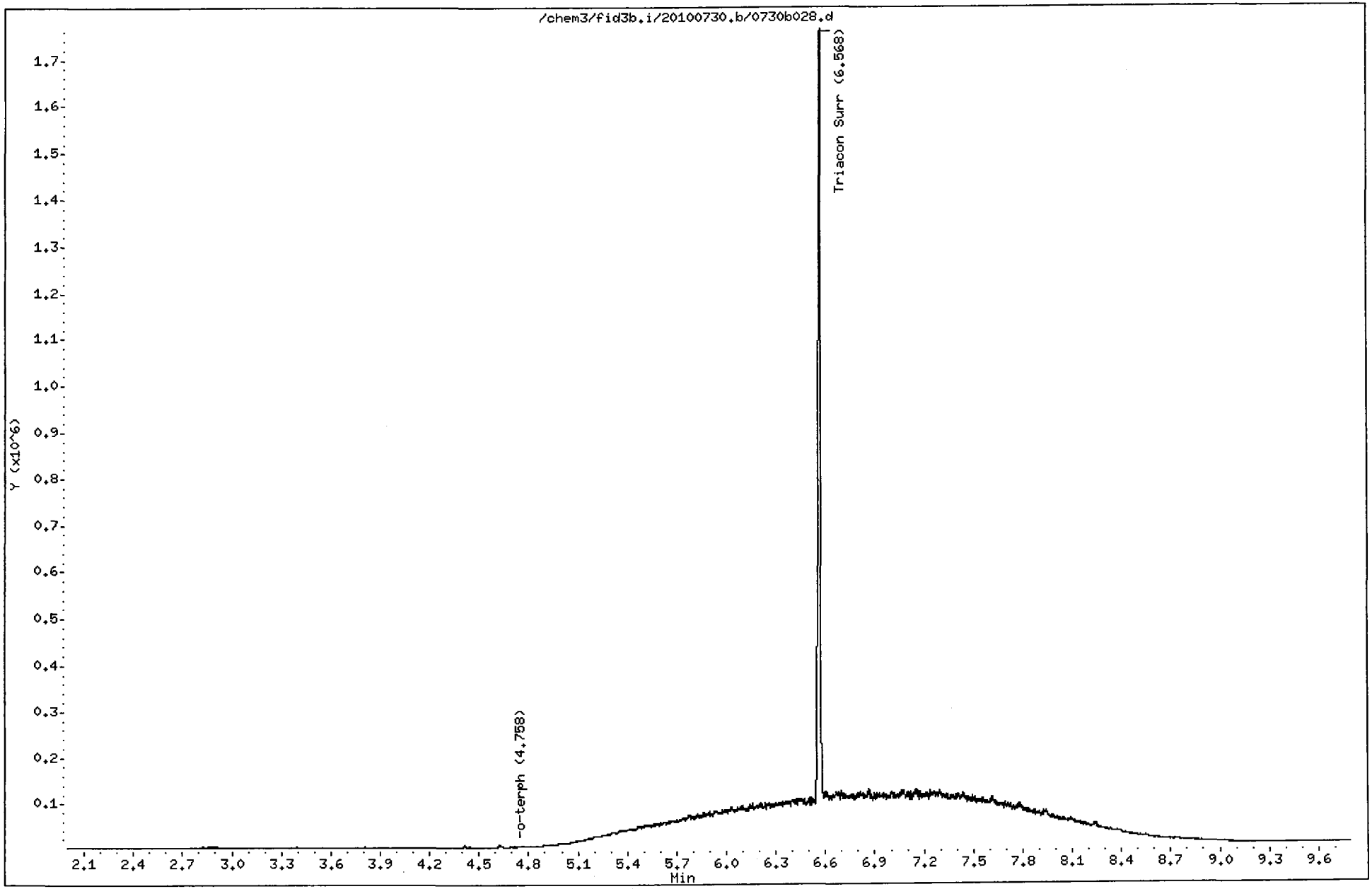
Analyst _____ Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b028.d
Date : 30-JUL-2010 23:32
Client ID:
Sample Info: MOIL 1000

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



RG58:91671

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b030.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 2500
Client ID:
Injection: 31-JUL-2010 00:10
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.033	0	0	GAS (Tol-C12)	95636	3
C8	----				DIESEL (C12-C24)	3379394	158
C10	2.857	-0.001	3357	3375	M.OIL (C24-C38)	29202636	2417
C12	3.471	0.003	1596	1868	AK-102 (C10-C25)	3927075	163
C14	3.927	0.001	1514	356	AK-103 (C25-C36)	25147326	2815
C16	4.322	0.001	1563	1411	OR.DIES (C10-C28)	10612044	503
C18	4.676	0.001	3568	4270	OR.MOIL (C28-C40)	24702816	2191
C20	4.996	-0.001	22446	7349			
C22	5.295	-0.001	73882	30652	STODDARD (C8-C12)	95636	3
C24	5.605	0.002	133400	26133			
C25	5.762	-0.001	165074	51876			
C26	5.928	0.002	188516	86981			
C28	6.238	-0.006	233688	182539			
C32	6.857	0.001	290957	171974			
C34	7.138	-0.003	286943	126318	CREOSOT (C8-C22)	1390131	217
Filter Peak	----						
C36	7.411	-0.002	275697	173060	BUNKERC (C10-C38)	32647668	3777
o-terph	4.758	-0.004	6196	3899	JET-A (C10-C18)	200291	13
Triacon Surr	6.581	0.022	3417562	3785244	IT.MOIL (C24-C40)	35655072	1659

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3899	0.2	0.4
Triacontane	3785244	226.3	502.9

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst _____ Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b030.d

Date : 31-JUL-2010 00:10

Client ID:

Sample Info: MOIL 2500

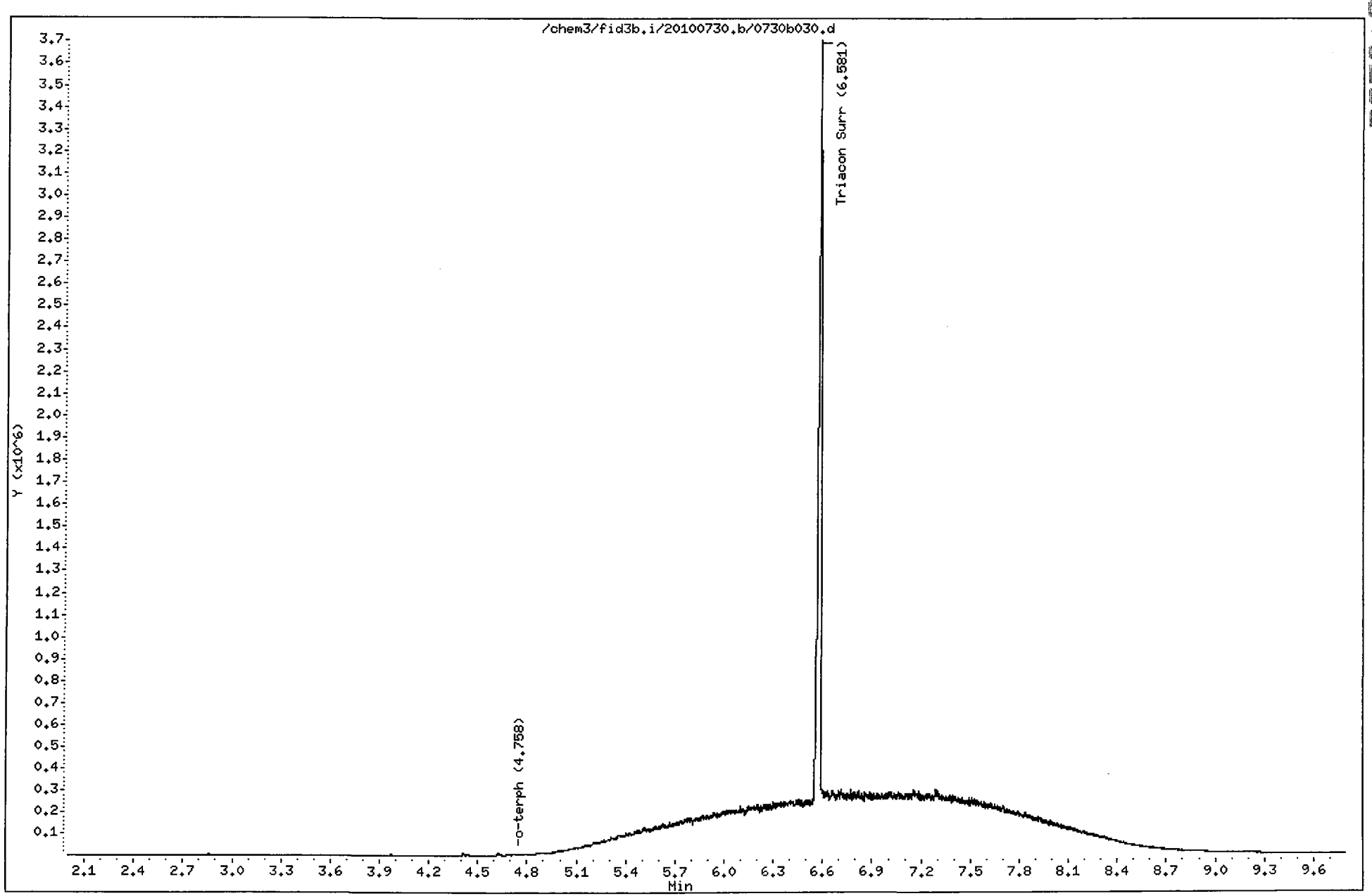
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:01976



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b032.d
Method: /chem3/fid3b.i/20100803.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL 5000
Client ID:
Injection: 31-JUL-2010 00:47
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	0.000	-1.031	0	0	GAS (Tol-C12)	136516	5
C8	----				DIESEL (C12-C24)	7391085	345
C10	2.860	0.002	6390	7826	M.OIL (C24-C38)	63692911	5272
C12	3.468	0.001	3090	3308	AK-102 (C10-C25)	8576883	356
C14	3.927	0.001	2902	3119	AK-103 (C25-C36)	55274954	6188
C16	4.322	0.002	3356	5579	OR.DIES (C10-C28)	23215807	1101
C18	4.674	0.000	7922	8796	OR.MOIL (C28-C40)	53459904	4742
C20	4.996	-0.002	47935	10434			
C22	5.294	-0.001	159044	57913	STODDARD (C8-C12)	136516	5
C24	5.606	0.003	294534	135002			
C25	5.760	-0.004	341829	114396			
C26	5.924	0.001	403139	246862			
C28	6.245	0.001	500056	192227			
C32	6.855	0.000	584755	116103			
C34	7.144	0.002	614284	191733	CREOSOT (C8-C22)	2916422	456
Filter Peak	----						
C36	7.412	-0.002	608306	208570	BUNKERC (C10-C38)	71180905	8235
o-terph	4.757	-0.005	12189	7421	JET-A (C10-C18)	369371	23
Triacon Surr	6.604	0.043	5116443	8293814	IT.MOIL (C24-C40)	77481531	3606

Range Times: NW Diesel(3.517 - 5.653) NW Gas(0.981 - 3.517) NW M.Oil(5.653 - 7.721)
AK102(2.808 - 5.714) AK103(5.714 - 7.464) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	7421	0.4	0.8
Triacontane	8293814	495.9	1101.9

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/2/10

RG58:01077

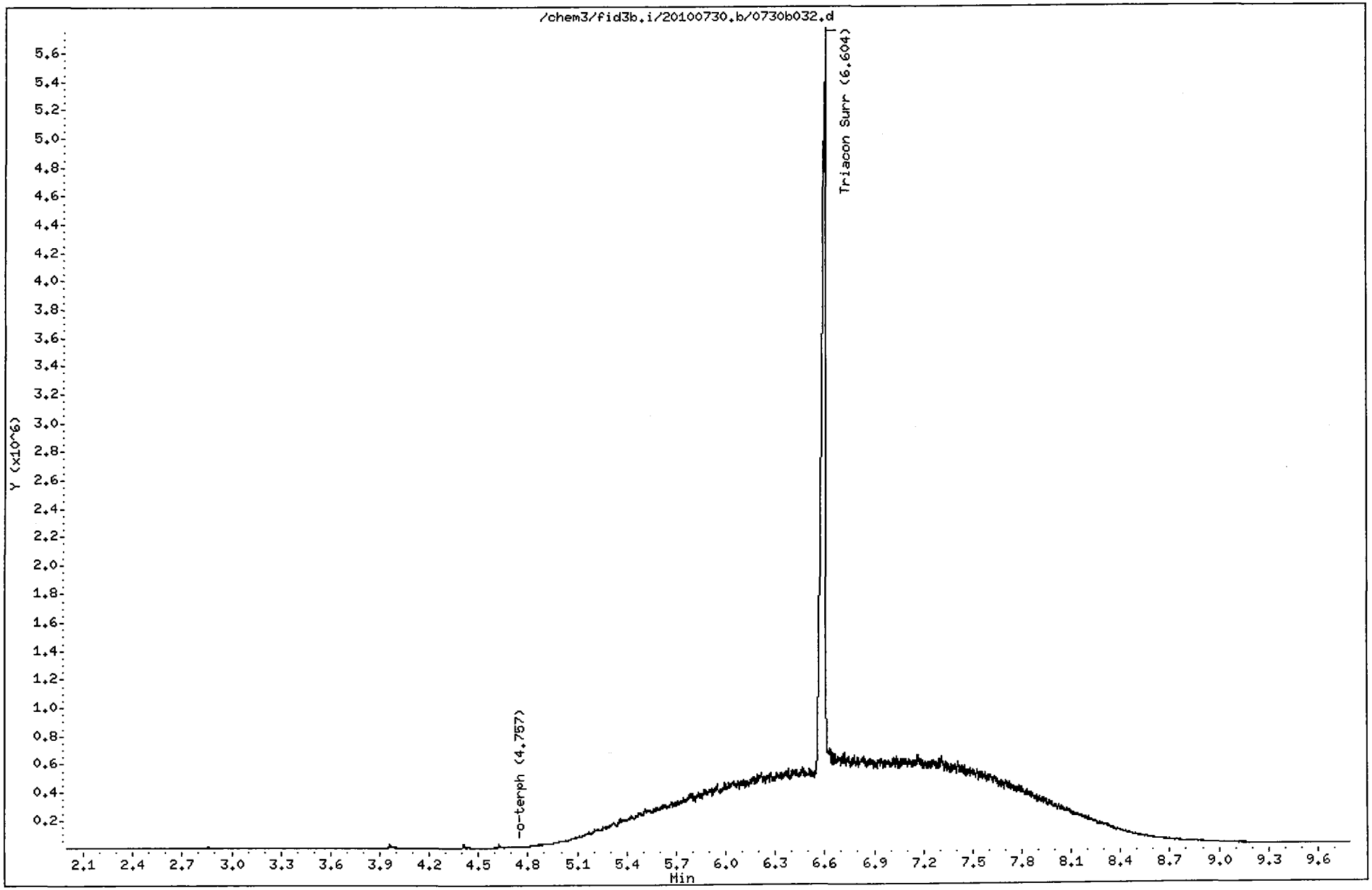
Data File: /chem3/fid3b.i/20100730.b/0730b032.d
Date : 31-JUL-2010 00:47
Client ID:
Sample Info: MOIL 5000

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

RG58:61578



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730b034.d
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/03/2010
Macro: FID:3B073010

ARI ID: MOIL ICV
Client ID:
Injection: 31-JUL-2010 01:25
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	69710	3
C8	----				DIESEL (C12-C24)	654549	31
C10	2.860	0.002	1401	800	M.OIL (C24-C38)	5780310	478
C12	3.466	-0.002	844	283	AK-102 (C10-C25)	785151	33
C14	3.928	0.001	611	154	AK-103 (C25-C36)	4978956	557
C16	4.325	0.004	330	255	OR.DIES (C10-C28)	2137357	101
C18	4.676	0.001	610	174	OR.MOIL (C28-C40)	4899131	435
C20	4.999	0.002	3728	881			
C22	5.295	-0.001	14759	8671	STODDARD (C8-C12)	69710	3
C24	5.604	0.001	26635	20138			
C25	5.767	0.003	34354	20126			
C26	5.925	-0.001	38360	10923			
C28	6.242	-0.003	45237	26594			
C32	6.858	0.003	58973	16709			
C34	7.142	0.000	60409	28174	CREOSOT (C8-C22)	326198	51
Filter Peak	----						
C36	7.410	-0.003	54496	40370	BUNKERC (C10-C38)	6478679	750
o-terph	4.761	-0.001	1177	942	JET-A (C10-C18)	83224	5
Triacon Surr	6.561	0.002	862303	736311	IT.MOIL (C24-C40)	7074431	329

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	942	0.0	0.1
Triacontane	736311	44.0	97.8

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

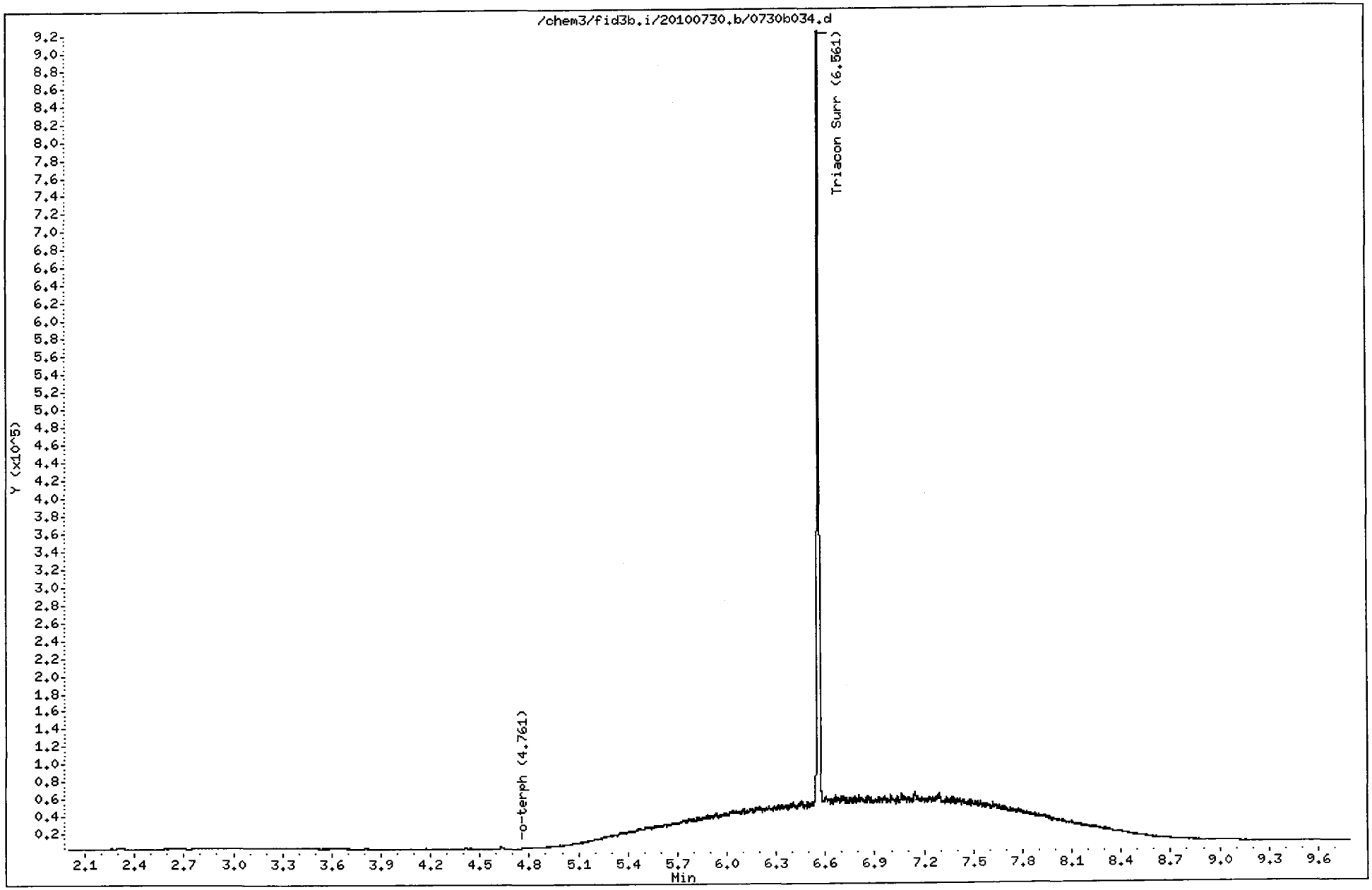
Analyst _____ Date 8/3/10

Data File: /chem3/fid3b.i/20100730.b/0730b034.d
Date : 31-JUL-2010 01:25
Client ID:
Sample Info: MOIL ICV

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem3/fid3b.i/20100730.b

ARI Job No.: DIES Method: i/20100730.b/ftphfid3b.m Instrument: fid3b.i Date: 30-JUL-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
:023	0730b018.d	DIESEL 50		1	o-terph,
:042	0730b019.d	DIESEL 100		1	o-terph,
:101	0730b020.d	DIESEL 250		1	o-terph,
:120	0730b021.d	DIESEL 500		1	o-terph,
:139	0730b022.d	DIESEL 1000		1	o-terph,
:158	0730b023.d	DIESEL 2500		1	o-terph,
:217	0730b024.d	DIESEL ICV		1	o-terph,
:236	0730b025.d	MOIL 100		1	Triacon Surr,
:255	0730b026.d	MOIL 250		1	Triacon Surr,
:314	0730b027.d	MOIL 500		1	Triacon Surr,
:332	0730b028.d	MOIL 1000		1	Triacon Surr,
351	0730b029.d	RINSE		1	NO MANUAL INTEGRATION
010	0730b030.d	MOIL 2500		1	Triacon Surr,
028	0730b031.d	RINSE		1	NO MANUAL INTEGRATION
047	0730b032.d	MOIL 5000		1	Triacon Surr,
106	0730b033.d	RINSE		1	NO MANUAL INTEGRATION
1	0730b034.d	MOIL ICV		1	Triacon Surr,

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b018.d ARI ID: DIESEL 50
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 20:23
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	203100	7
C8	----				DIESEL (C12-C24)	1073736	50
C10	2.859	0.001	5638	4849	M.OIL (C24-C38)	63488	5
C12	3.468	0.001	8865	7583	AK-102 (C10-C25)	1226764	51
C14	3.925	-0.001	21926	23612	AK-103 (C25-C36)	40579	5
C16	4.321	0.000	39235	39802	OR.DIES (C10-C28)	1237681	59
C18	4.674	-0.001	39296	35683	OR.MOIL (C28-C40)	78683	7
C20	4.998	0.000	18246	22375			
C22	5.299	0.003	5339	5505	STODDARD (C8-C12)	203100	7
C24	5.597	-0.006	1196	621			
C25	5.760	-0.003	625	310			
C26	5.922	-0.003	296	159			
C28	6.242	-0.002	52	16			
C32	6.842	-0.013	172	67			
C34	7.141	0.000	373	160	CREOSOT (C8-C22)	1243658	194
Filter Peak	----						
C36	7.411	-0.002	735	302	BUNKERC (C10-C38)	1286685	149
o-terph	4.759	-0.003	385477	213275	JET-A (C10-C18)	945094	60
Triacon Surr	6.558	-0.001	38	9	IT.MOIL (C24-C40)	93176	4

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	213275	10.7	23.8
Triacontane	9	0.0	0.0

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b018.d

Page 1

Date : 30-JUL-2010 20:23

Client ID:

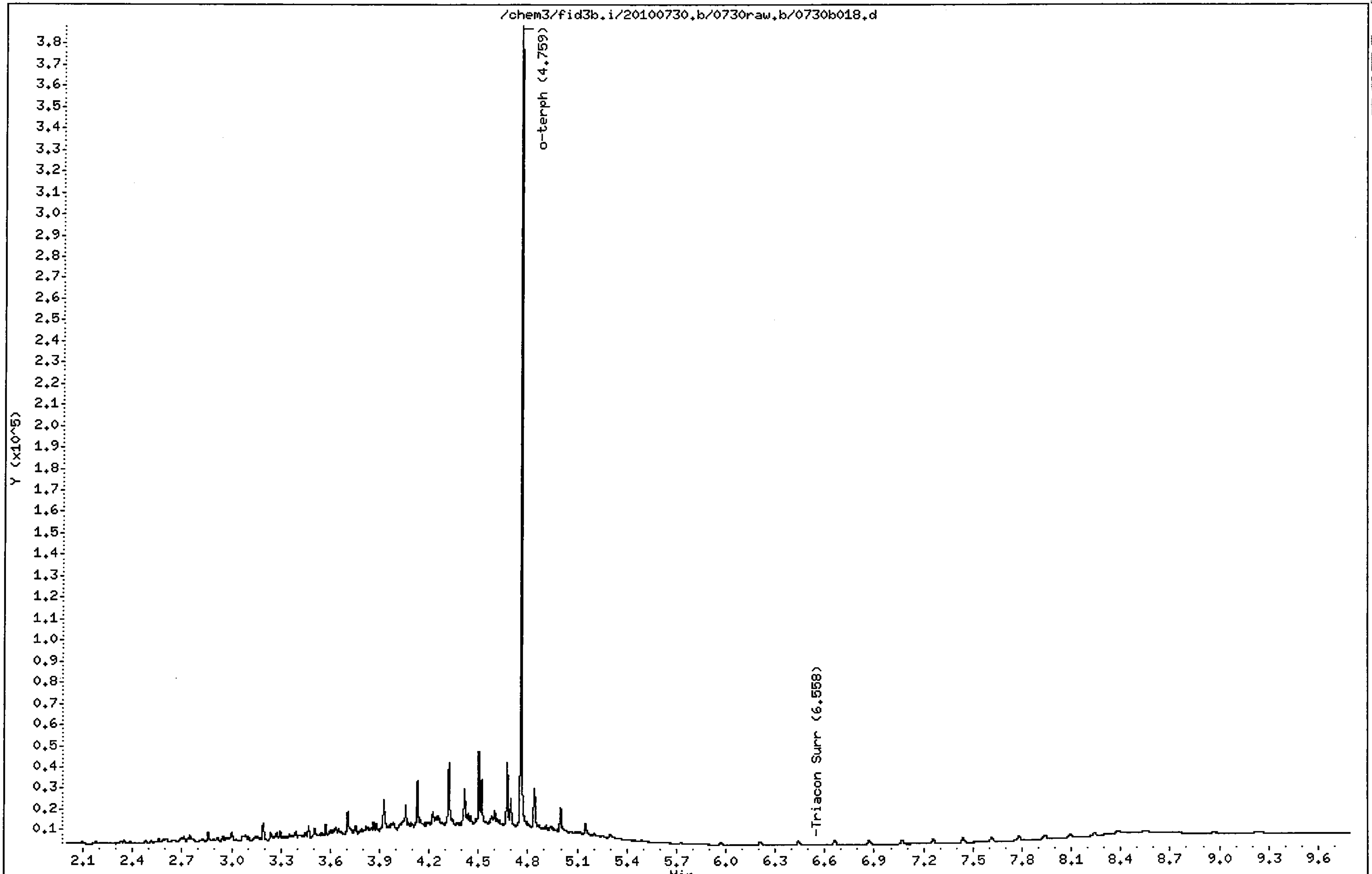
Instrument: fid3b.i

Sample Info: DIESEL 50

Operator: MS

Column phase: RTX-1

Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b019.d ARI ID: DIESEL 100
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 20:42
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	357151	13
C8	----				DIESEL (C12-C24)	2033528	95
C10	2.858	0.000	10639	8623	M.OIL (C24-C38)	49930	4
C12	3.467	-0.001	21033	17918	AK-102 (C10-C25)	2312396	96
C14	3.924	-0.003	50684	48589	AK-103 (C25-C36)	30461	3
C16	4.320	-0.001	89321	73174	OR.DIES (C10-C28)	2327282	110
C18	4.674	-0.001	82793	68218	OR.MOIL (C28-C40)	55412	5
C20	4.997	-0.001	44397	37760			
C22	5.295	-0.001	15167	18309	STODDARD (C8-C12)	357151	13
C24	5.601	-0.003	2183	553			
C25	5.767	0.003	1066	252			
C26	5.926	0.000	515	99			
C28	6.242	-0.003	97	42			
C32	6.845	-0.010	124	24			
C34	7.140	-0.002	297	98	CREOSOT (C8-C22)	2327121	364
Filter Peak	----						
C36	7.414	0.000	654	220	BUNKERC (C10-C38)	2357151	273
o-terph	4.761	-0.001	752336	432246	JET-A (C10-C18)	1787874	113
Triacon Surr	6.562	0.003	35	12	IT.MOIL (C24-C40)	75484	4

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	432246	21.7	48.2
Triacontane	12	0.0	0.0

8/3/10

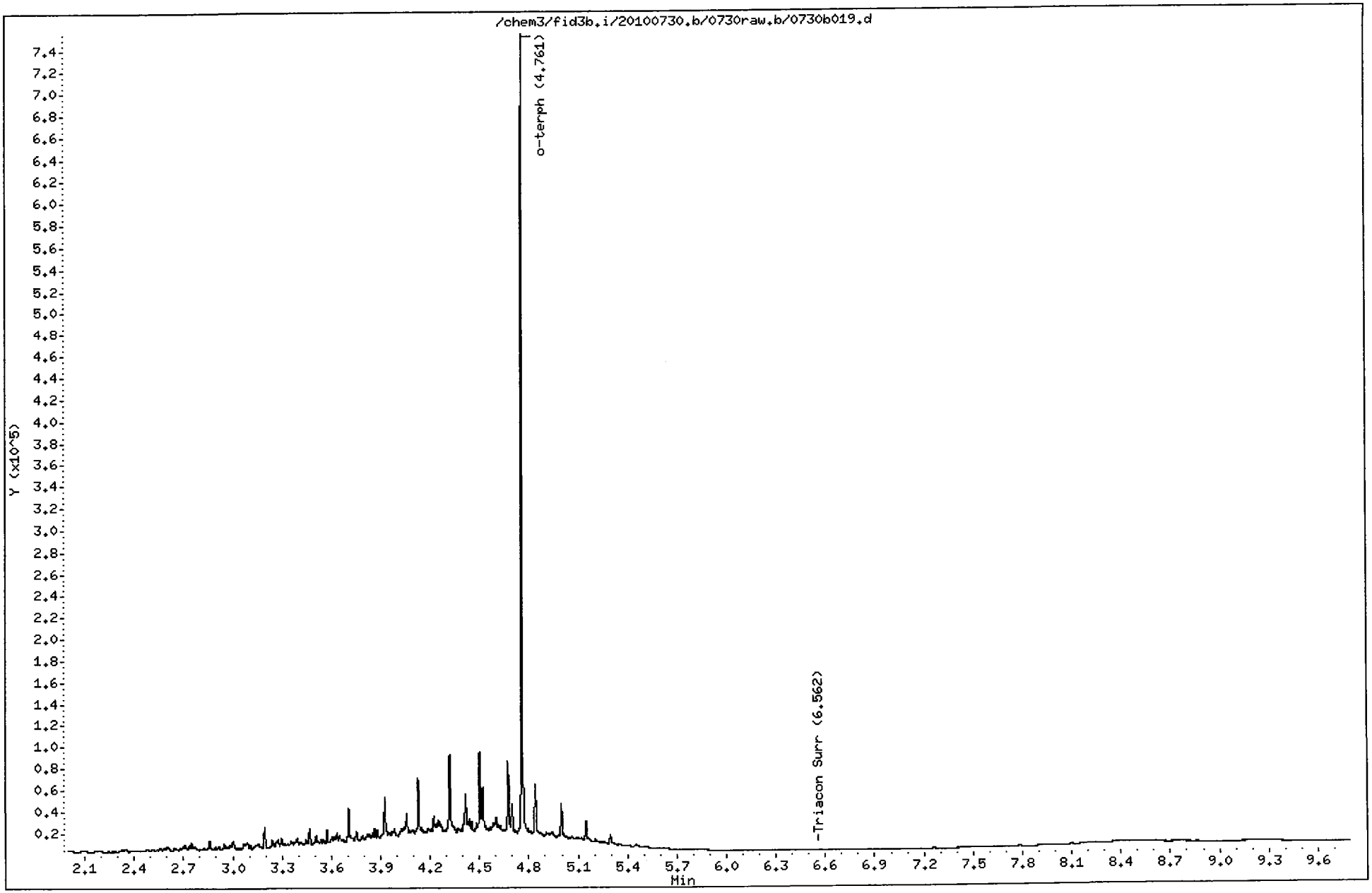
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b019.d
Date : 30-JUL-2010 20:42
Client ID:
Sample Info: DIESEL 100

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b020.d ARI ID: DIESEL 250
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 21:01
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	832540	30
C8	----				DIESEL (C12-C24)	5381486	252
C10	2.857	-0.001	26815	24142	M.OIL (C24-C38)	83893	7
C12	3.467	-0.001	68591	49107	AK-102 (C10-C25)	6048334	251
C14	3.925	-0.002	140104	127189	AK-103 (C25-C36)	56030	6
C16	4.321	0.000	232770	207768	OR.DIES (C10-C28)	6088325	289
C18	4.675	0.000	208305	168485	OR.MOIL (C28-C40)	57280	5
C20	4.996	-0.001	126032	107297			
C22	5.293	-0.003	50635	46451	STODDARD (C8-C12)	832540	30
C24	5.604	0.001	9772	11489			
C25	5.766	0.003	3129	1191			
C26	5.921	-0.004	1314	959			
C28	6.242	-0.002	220	92			
C32	6.846	-0.010	82	35			
C34	7.139	-0.002	240	125	CREOSOT (C8-C22)	6035967	944
Filter Peak	----						
C36	7.415	0.002	533	105	BUNKERC (C10-C38)	6119266	708
o-terph	4.763	0.001	1673183	1006880	JET-A (C10-C18)	4563495	288
Triacon Surr	6.553	-0.006	23	12	IT.MOIL (C24-C40)	110245	5

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1006880	50.5	112.2
Triacontane	12	0.0	0.0

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Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b020.d
Date : 30-JUL-2010 21:01
Client ID:
Sample Info: DIESEL 250

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

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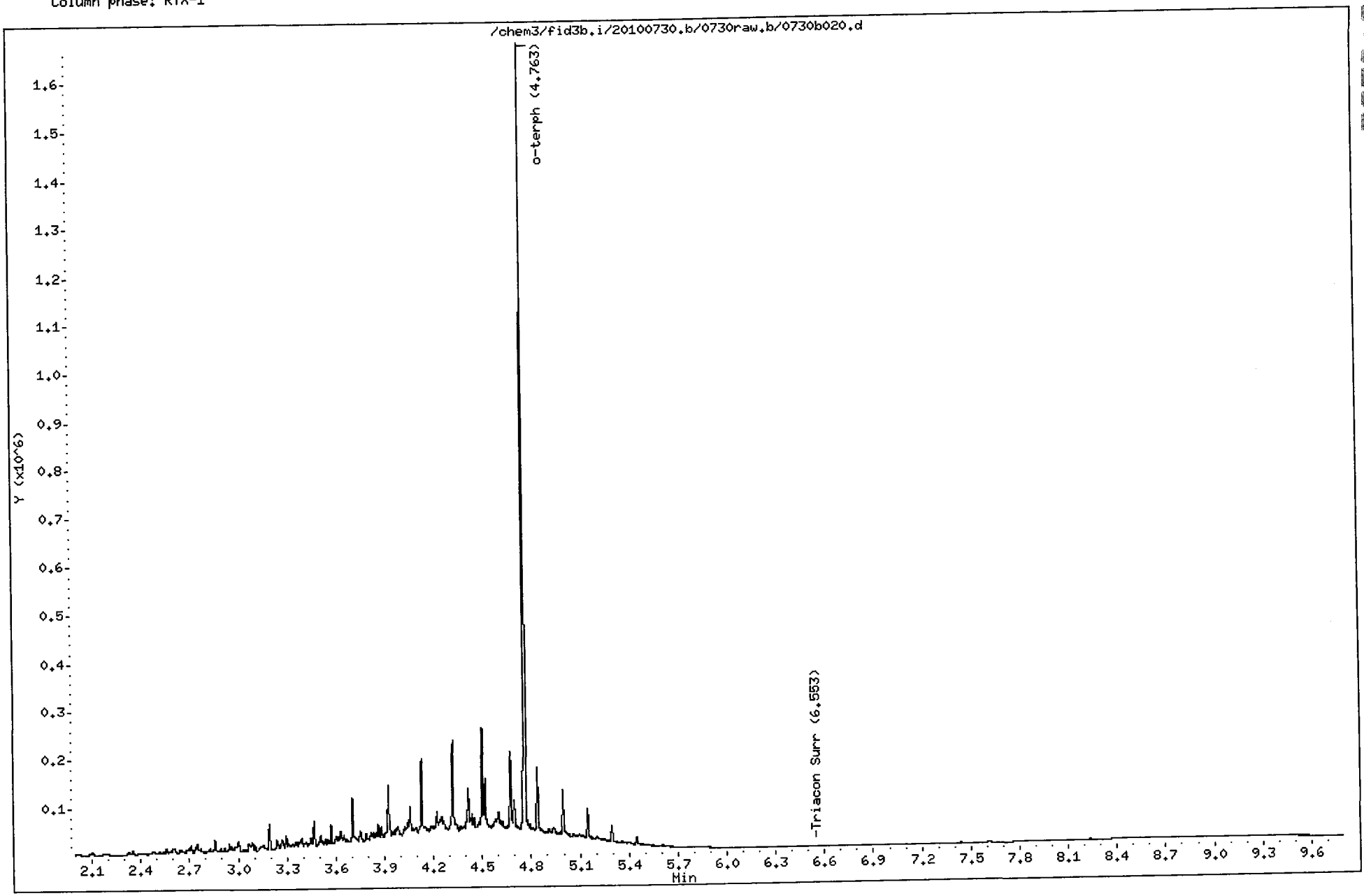


Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b021.d ARI ID: DIESEL 500
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 21:20
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	1605957	59
C8	----				DIESEL (C12-C24)	10474813	490
C10	2.859	0.001	57423	40767	M.OIL (C24-C38)	193569	16
C12	3.467	-0.001	150148	107232	AK-102 (C10-C25)	11772614	488
C14	3.925	-0.002	281705	192683	AK-103 (C25-C36)	138842	16
C16	4.321	0.000	459275	397727	OR.DIES (C10-C28)	11850728	562
C18	4.676	0.001	438078	346941	OR.MOIL (C28-C40)	138643	12
C20	4.998	0.000	247680	229025			
C22	5.294	-0.002	107189	91506	STODDARD (C8-C12)	1605957	58
C24	5.603	-0.001	25044	36788			
C25	5.764	0.000	8933	11255			
C26	5.928	0.002	2767	880			
C28	6.244	0.000	417	209			
C32	6.866	0.010	6270	6679			
C34	7.138	-0.003	199	114	CREOSOT (C8-C22)	11718131	1832
Filter Peak	----						
C36	7.404	-0.009	435	170	BUNKERC (C10-C38)	11939585	1381
o-terph	4.766	0.004	2949322	2085108	JET-A (C10-C18)	8975857	566
Triacon Surr	6.562	0.003	37	8	IT.MOIL (C24-C40)	243363	11

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	2085108	104.6	232.4
Triacontane	8	0.0	0.0

MS 8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b021.d

Page 1

Date : 30-JUL-2010 21:20

Client ID:

Instrument: fid3b.i

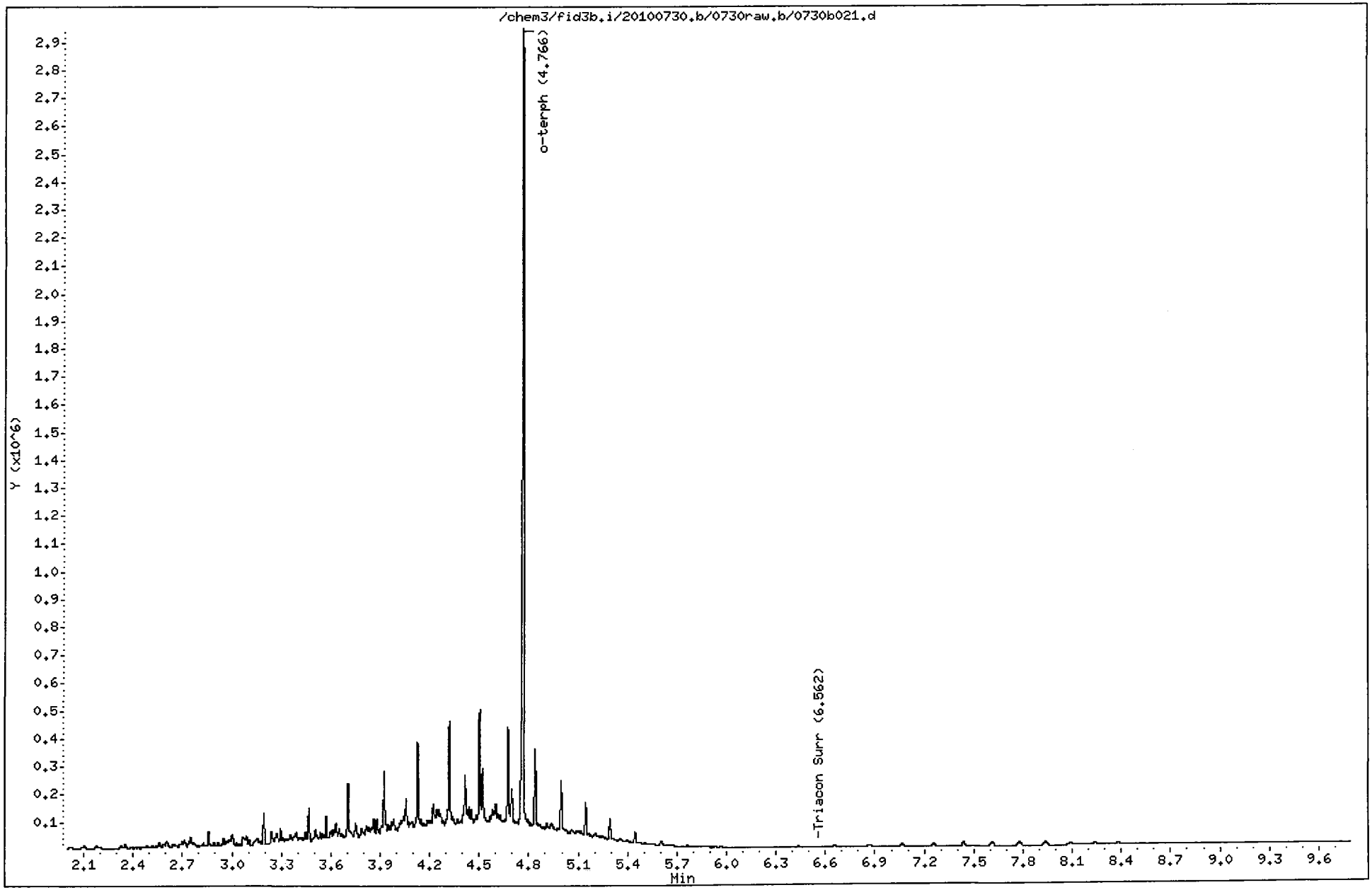
Sample Info: DIESEL 500

Operator: MS

Column phase: RTX-1

Column diameter: 2.00

RG58:91989



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b022.d ARI ID: DIESEL 1000
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 21:39
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3183656	116
C8	----				DIESEL (C12-C24)	20461552	956
C10	2.859	0.001	116245	79992	M.OIL (C24-C38)	246197	20
C12	3.468	0.000	303568	209857	AK-102 (C10-C25)	23076848	957
C14	3.926	-0.001	587854	482277	AK-103 (C25-C36)	175618	20
C16	4.323	0.002	905598	796869	OR.DIES (C10-C28)	23235650	1102
C18	4.678	0.002	807496	638826	OR.MOIL (C28-C40)	50889	5
C20	4.998	0.000	504752	389992			
C22	5.295	-0.001	227321	199991	STODDARD (C8-C12)	3183656	115
C24	5.602	-0.001	59793	78521			
C25	5.763	-0.001	23276	31928			
C26	5.926	0.000	7146	5485			
C28	6.246	0.002	980	756			
C32	6.846	-0.010	31	8			
C34	7.142	0.001	155	78	CREOSOT (C8-C22)	22952325	3589
Filter Peak	----						
C36	7.412	-0.001	462	183	BUNKERC (C10-C38)	23265390	2692
o-terph	4.774	0.012	5344672	4166432	JET-A (C10-C18)	17422692	1099
Triacon Surr	6.558	-0.001	143	74	IT.MOIL (C24-C40)	267420	12

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	4166432	209.0	464.5
Triacontane	74	0.0	0.0

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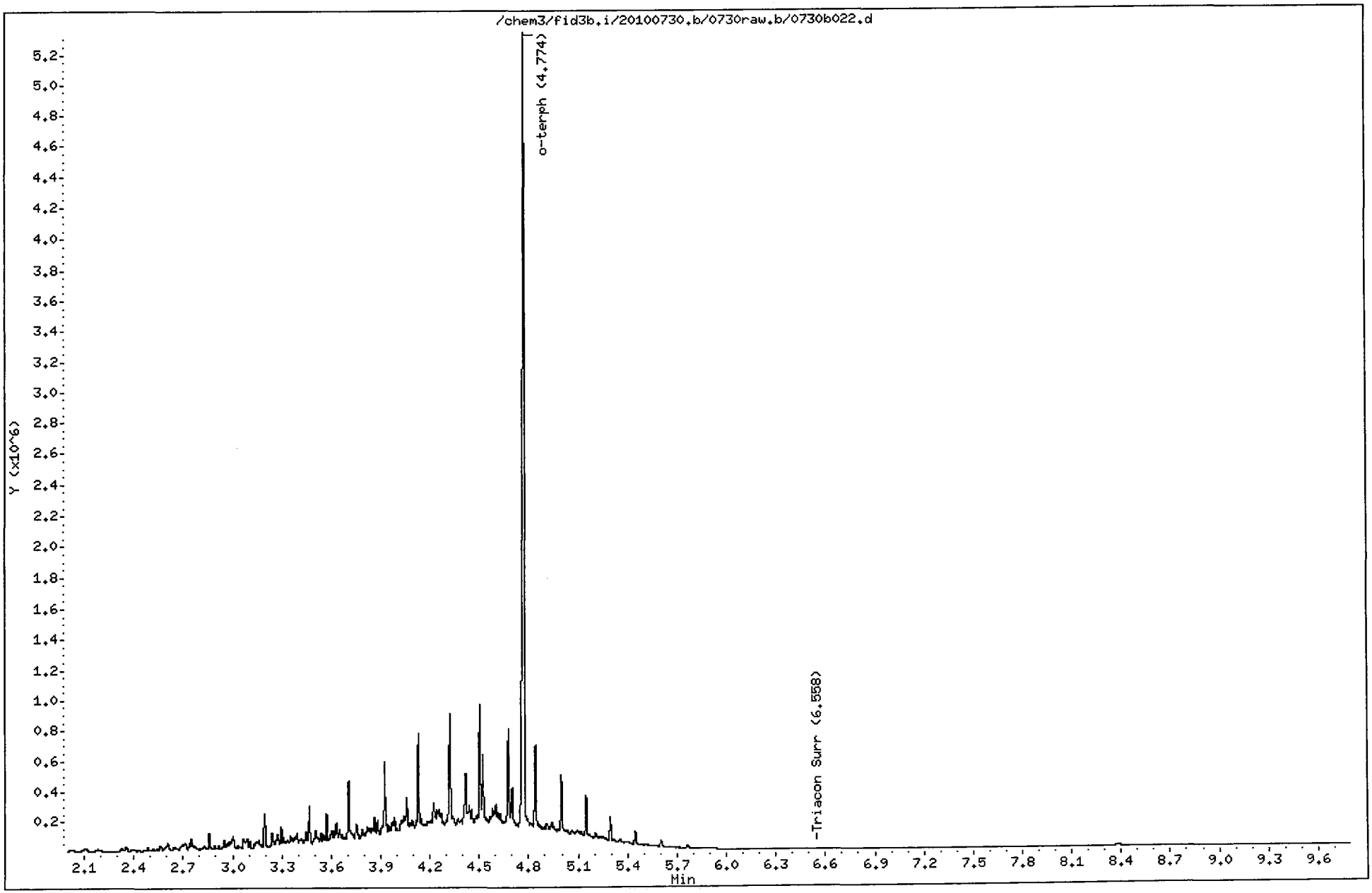
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b022.d
Date : 30-JUL-2010 21:39
Client ID:
Sample Info: DIESEL 1000

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b023.d ARI ID: DIESEL 2500
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 21:58
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	7659234	280
C8	----				DIESEL (C12-C24)	50026991	2338
C10	2.863	0.005	285421	198918	M.OIL (C24-C38)	572344	47
C12	3.470	0.002	694665	522755	AK-102 (C10-C25)	56300148	2336
C14	3.929	0.002	1273547	1199224	AK-103 (C25-C36)	425535	48
C16	4.326	0.004	2112542	1828650	OR.DIES (C10-C28)	56698963	2688
C18	4.683	0.007	1755535	1805295	OR.MOIL (C28-C40)	53128	5
C20	5.002	0.005	1242586	994726			
C22	5.298	0.002	554784	489931	STODDARD (C8-C12)	7659234	277
C24	5.604	0.001	157104	182807			
C25	5.764	0.000	68790	96490			
C26	5.924	-0.001	24943	35913			
C28	6.241	-0.003	2845	707			
C32	6.847	-0.009	103	17			
C34	7.140	-0.001	80	25	CREOSOT (C8-C22)	55887097	8738
Filter Peak	----						
C36	7.414	0.001	258	70	BUNKERC (C10-C38)	56733764	6564
o-terph	4.787	0.025	9374342	10447481	JET-A (C10-C18)	42325036	2671
Triacon Surr	6.558	-0.002	576	210	IT.MOIL (C24-C40)	590881	27

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terpheny1	10447481	524.1	1164.7
Triacontane	210	0.0	0.0

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b023.d
Date : 30-JUL-2010 21:58
Client ID:
Sample Info: DIESEL 2500

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

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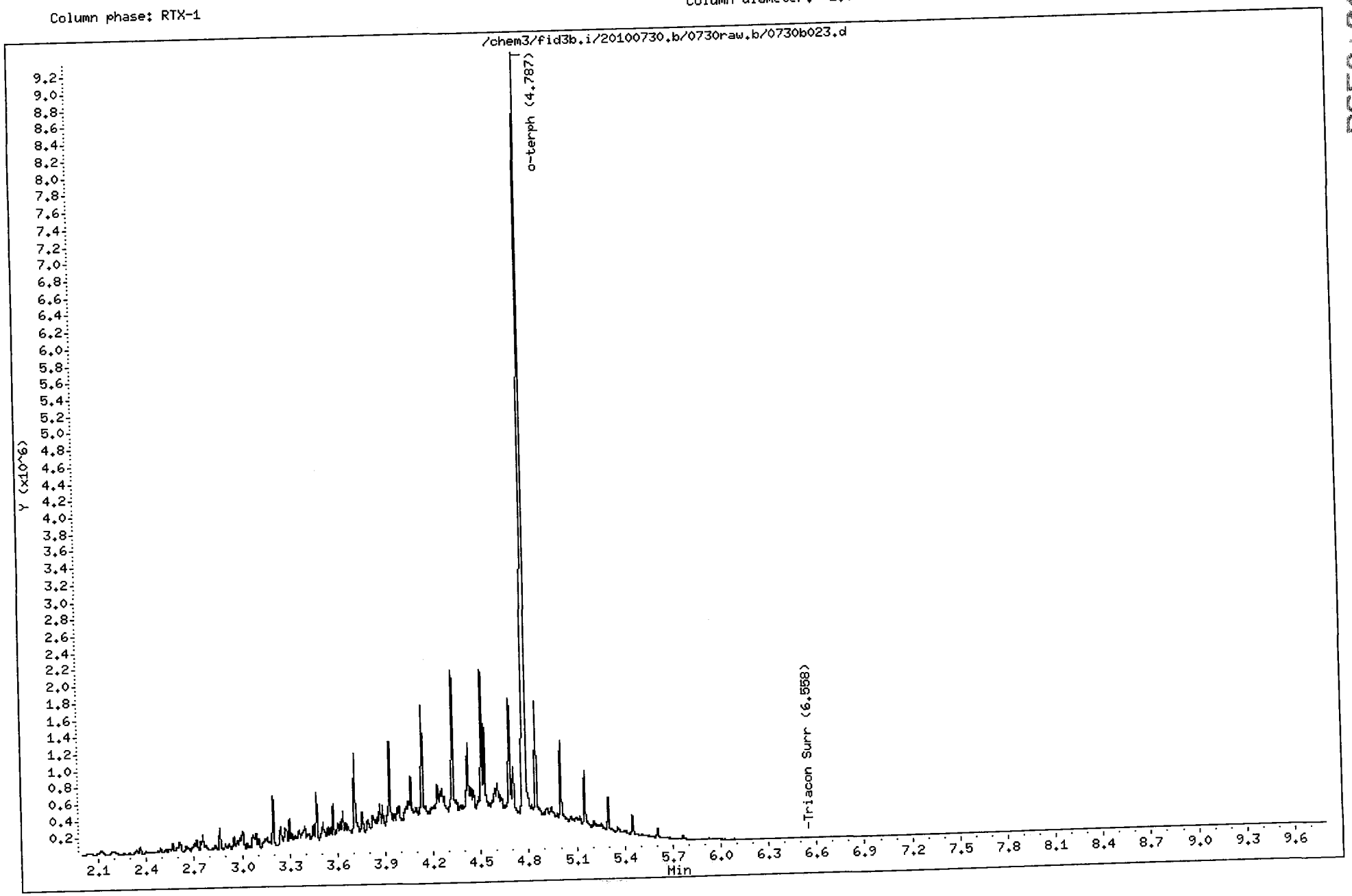

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b024.d ARI ID: DIESEL ICV
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 22:17
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	1033627	38
C8	----				DIESEL (C12-C24)	6390782	299
C10	2.859	0.001	35248	24957	M.OIL (C24-C38)	127459	11
C12	3.467	0.000	86410	59948	AK-102 (C10-C25)	7226358	300
C14	3.926	-0.001	173324	148864	AK-103 (C25-C36)	93021	10
C16	4.320	-0.001	296816	249967	OR.DIES (C10-C28)	7272611	345
C18	4.676	0.000	273795	228555	OR.MOIL (C28-C40)	99093	9
C20	4.997	-0.001	155638	143379			
C22	5.294	-0.002	60394	56049	STODDARD (C8-C12)	1033627	37
C24	5.605	0.002	13282	16336			
C25	5.765	0.001	4054	633			
C26	5.927	0.001	1441	1201			
C28	6.248	0.004	261	48			
C32	6.870	0.014	5168	4822			
C34	7.140	-0.001	246	62	CREOSOT (C8-C22)	7213004	1128
Filter Peak	----						
C36	7.410	-0.003	515	121	BUNKERC (C10-C38)	7336745	849
o-terph	4.764	0.002	2104321	1321409	JET-A (C10-C18)	5495826	347
Triacon Surr	6.562	0.003	18	7	IT.MOIL (C24-C40)	162424	8

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1321409	66.3	147.3
Triacontane	7	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

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Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b024.d
Date : 30-JUL-2010 22:17
Client ID:
Sample Info: DIESEL ICV

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

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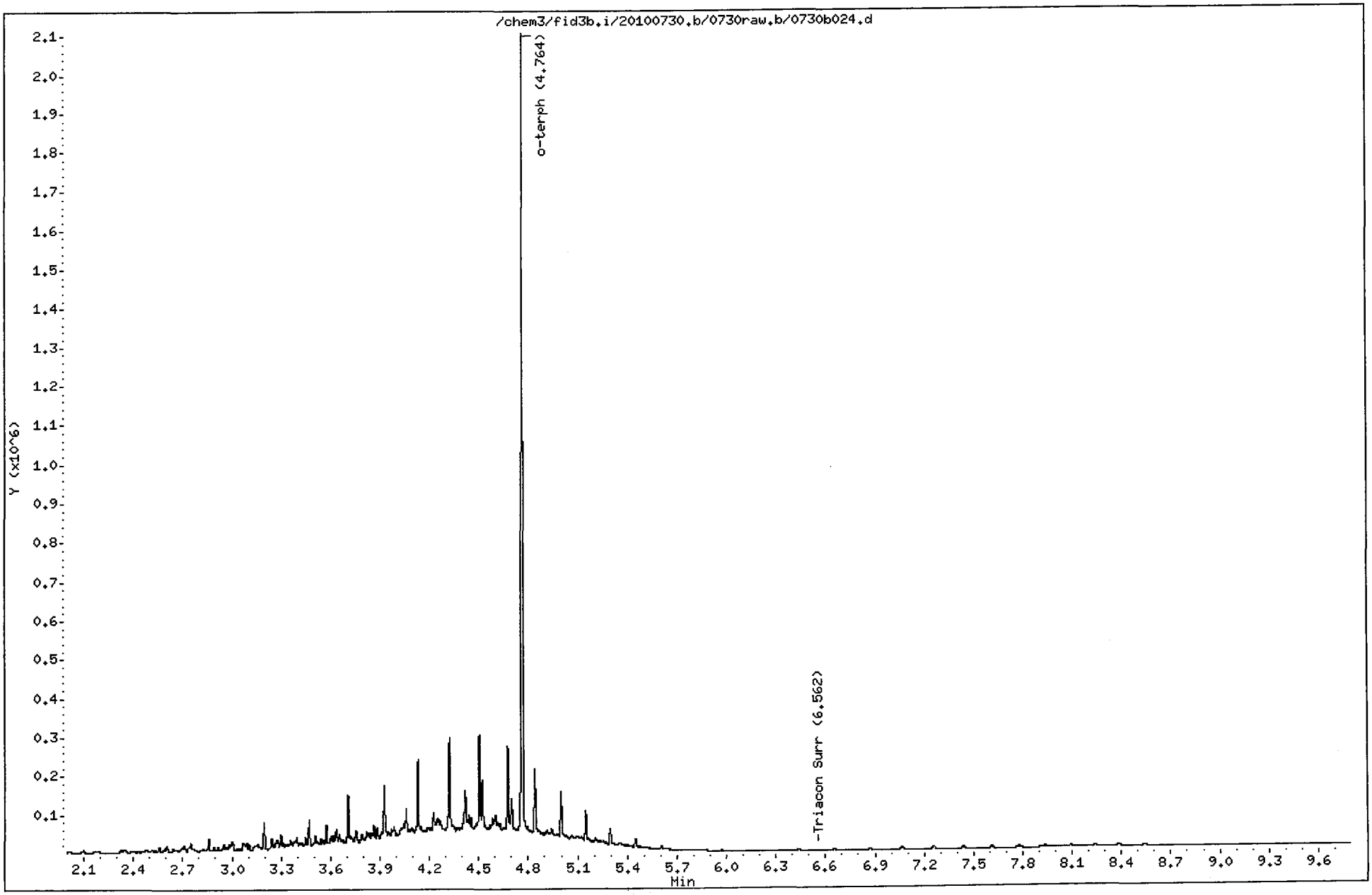


Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b025.d ARI ID: MOIL 100
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 22:36
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	59389	2
C8	----				DIESEL (C12-C24)	136639	6
C10	2.861	0.003	1070	391	M.OIL (C24-C38)	1224724	101
C12	3.472	0.004	808	323	AK-102 (C10-C25)	192127	8
C14	3.925	-0.002	408	197	AK-103 (C25-C36)	1036816	116
C16	4.325	0.003	148	52	OR.DIES (C10-C28)	467661	22
C18	4.673	-0.002	50	17	OR.MOIL (C28-C40)	1073312	95
C20	5.000	0.003	534	84			
C22	5.298	0.002	2675	836	STODDARD (C8-C12)	59389	2
C24	5.605	0.002	5233	917			
C25	5.764	0.000	6238	1108			
C26	5.924	-0.002	7918	3299			
C28	6.245	0.001	9206	1987			
C32	6.858	0.002	12172	4066			
C34	7.140	-0.001	12960	3267	CREOSOT (C8-C22)	118096	18
Filter Peak	----						
C36	7.413	-0.001	11888	4717	BUNKERC (C10-C38)	1397827	162
o-terph	4.766	0.004	653	656	JET-A (C10-C18)	58172	4
Triacon Surr	6.558	-0.001	191299	170692	IT.MOIL (C24-C40)	1538562	72

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	656	0.0	0.1
Triacontane	170692	10.2	22.7

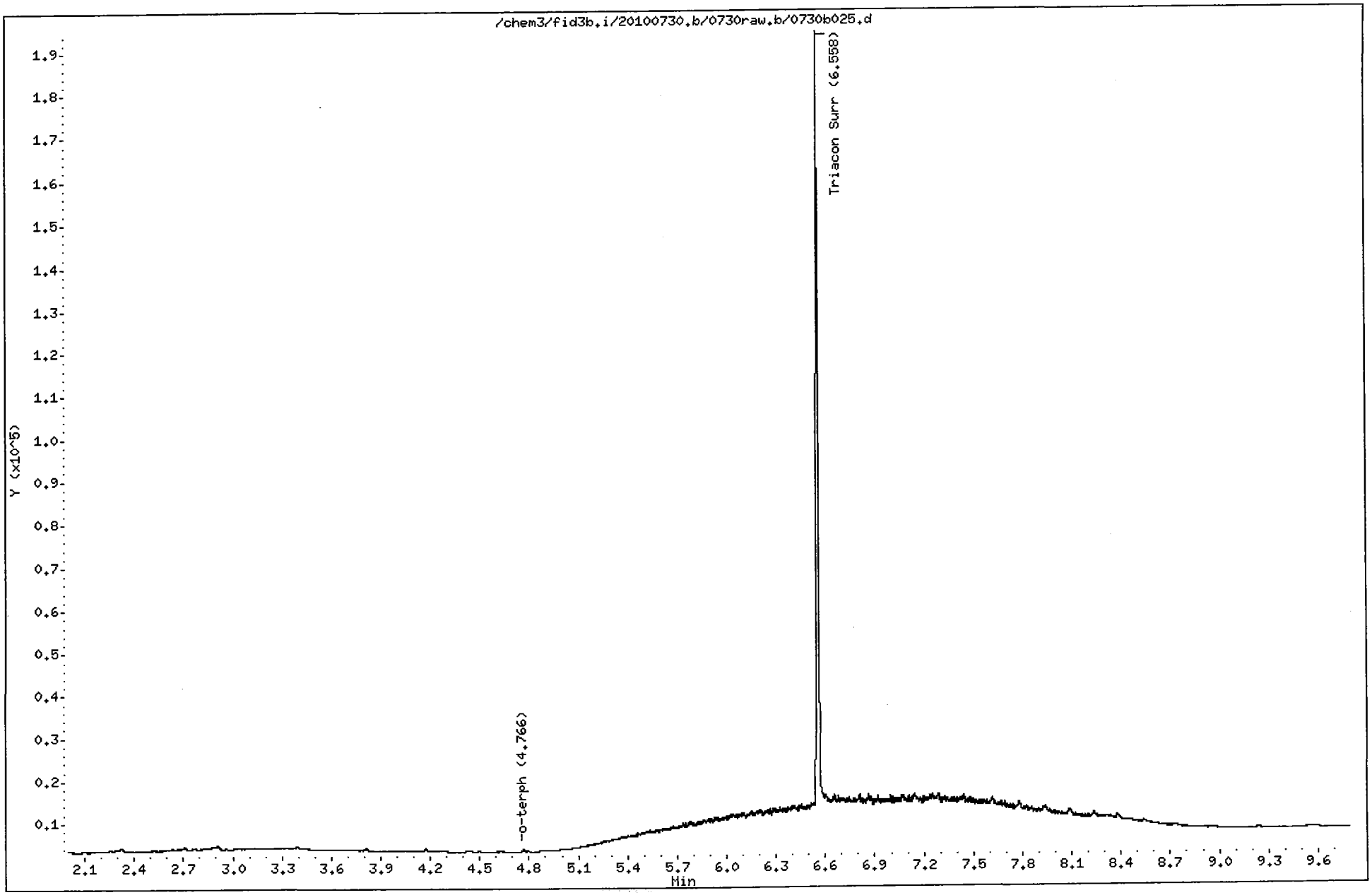
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b025.d
Date : 30-JUL-2010 22:36
Client ID:
Sample Info: MOIL 100

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b026.d ARI ID: MOIL 250
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 22:55
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	54421	2
C8	----				DIESEL (C12-C24)	322420	15
C10	2.860	0.002	1106	911	M.OIL (C24-C38)	2867075	237
C12	3.466	-0.001	692	284	AK-102 (C10-C25)	405267	17
C14	3.923	-0.003	393	183	AK-103 (C25-C36)	2449011	274
C16	4.322	0.001	138	66	OR.DIES (C10-C28)	1063179	50
C18	4.673	-0.002	150	79	OR.MOIL (C28-C40)	2456323	218
C20	4.999	0.002	1661	707			
C22	5.293	-0.003	6646	2620	STODDARD (C8-C12)	54421	2
C24	5.603	0.000	12926	3044			
C25	5.760	-0.003	15791	3992			
C26	5.923	-0.002	18737	5063			
C28	6.240	-0.004	22766	17103			
C32	6.855	0.000	29395	10185			
C34	7.138	-0.003	29817	13225	CREOSOT (C8-C22)	176037	28
Filter Peak	----						
C36	7.411	-0.002	26300	7168	BUNKERC (C10-C38)	3224498	373
o-terph	4.763	0.002	758	732	JET-A (C10-C18)	56598	4
Triacon Surr	6.557	-0.002	469017	430625	IT.MOIL (C24-C40)	3592703	167

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	732	0.0	0.1
Triacontane	430625	25.7	57.2

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

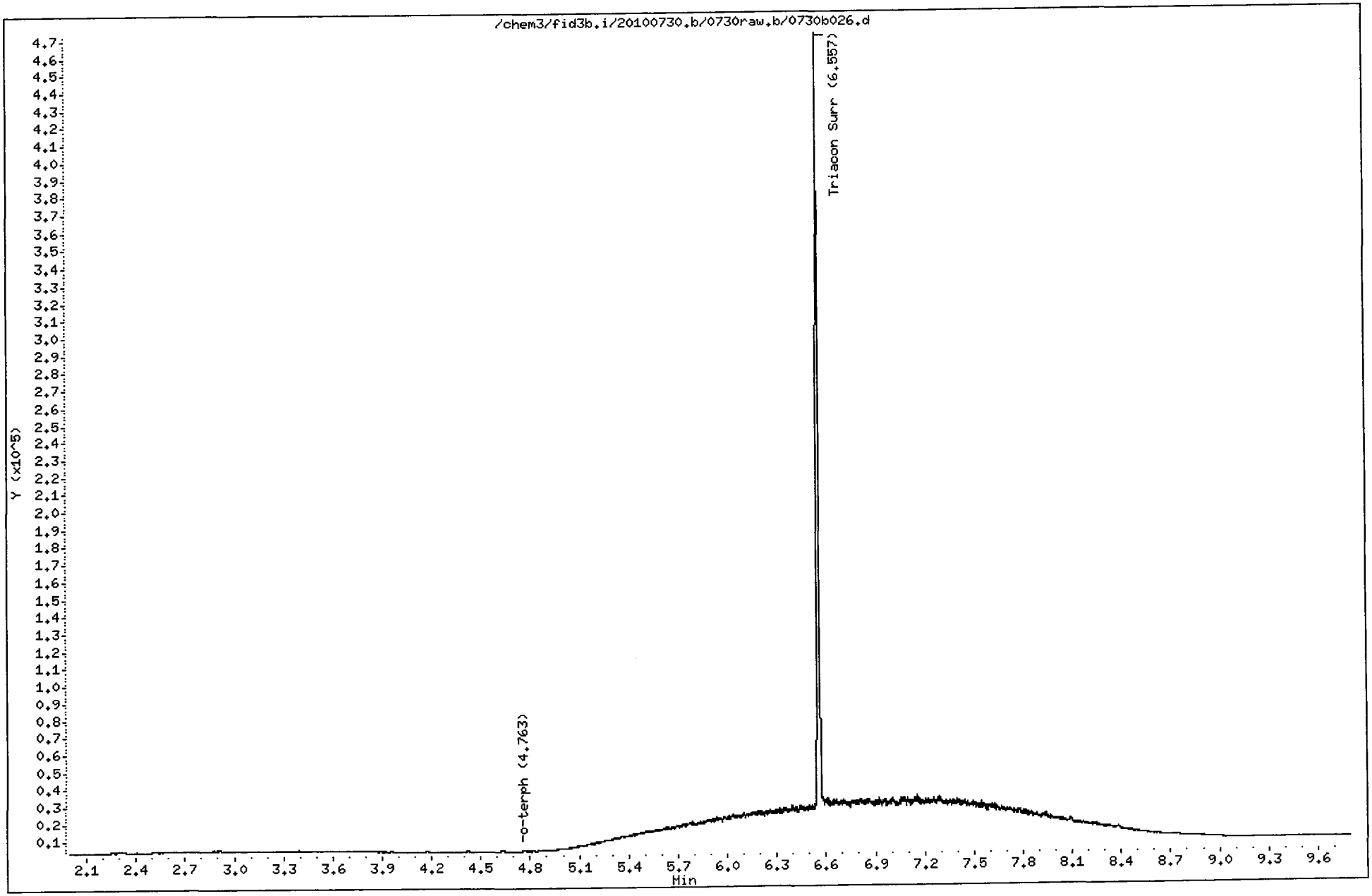
Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b026.d
Date : 30-JUL-2010 22:55
Client ID:
Sample Info: MOIL 250

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

RG58 : 61999



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b027.d ARI ID: MOIL 500
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 23:14
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	61429	2
C8	----				DIESEL (C12-C24)	661397	31
C10	2.856	-0.002	1273	310	M.OIL (C24-C38)	5757000	477
C12	3.467	-0.001	772	289	AK-102 (C10-C25)	796757	33
C14	3.922	-0.005	525	176	AK-103 (C25-C36)	4958432	555
C16	4.319	-0.002	278	113	OR.DIES (C10-C28)	2129868	101
C18	4.674	-0.001	552	196	OR.MOIL (C28-C40)	4884926	433
C20	4.998	0.000	3647	716			
C22	5.292	-0.004	14044	4392	STODDARD (C8-C12)	61429	2
C24	5.604	0.000	27326	15789			
C25	5.766	0.002	33190	10855			
C26	5.924	-0.002	38046	12688			
C28	6.245	0.000	48533	19176			
C32	6.858	0.002	63236	21003			
C34	7.139	-0.002	59785	13961	CREOSOT (C8-C22)	311324	49
Filter Peak	----						
C36	7.414	0.000	57110	39334	BUNKERC (C10-C38)	6457090	747
o-terph	4.762	0.000	1198	1526	JET-A (C10-C18)	73818	5
Triacon Surr	6.561	0.001	910045	900916	IT.MOIL (C24-C40)	7215620	336

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1526	0.1	0.2
Triacontane	900916	53.9	119.7

8/3/10

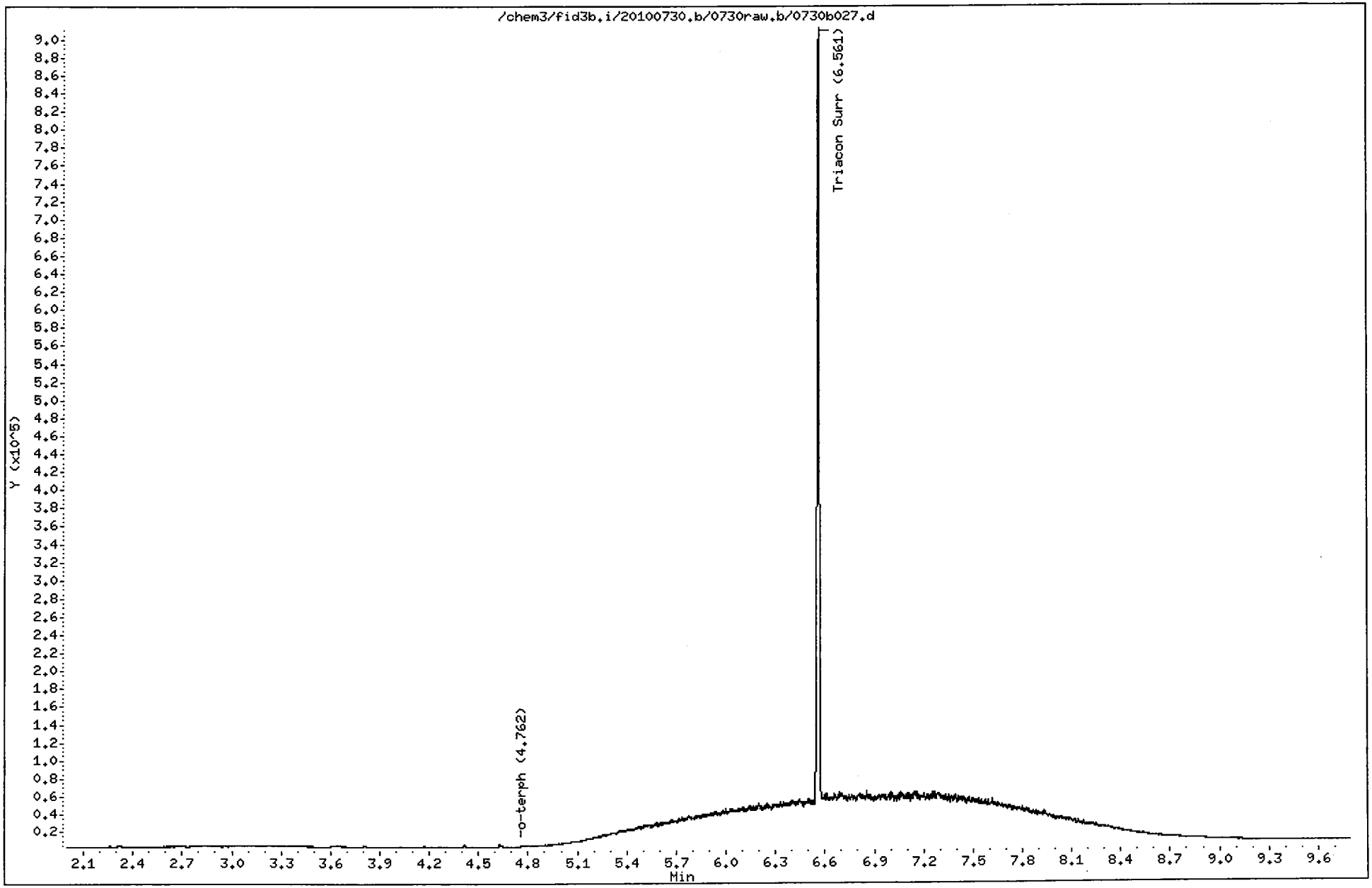
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b027.d
Date : 30-JUL-2010 23:14
Client ID:
Sample Info: MOIL 500

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b028.d ARI ID: MOIL 1000
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 30-JUL-2010 23:32
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	72637	3
C8	----				DIESEL (C12-C24)	1386989	65
C10	2.858	0.001	1897	1836	M.OIL (C24-C38)	11563694	957
C12	3.470	0.002	1037	577	AK-102 (C10-C25)	1637290	68
C14	3.925	-0.001	834	432	AK-103 (C25-C36)	9855599	1103
C16	4.322	0.001	584	148	OR.DIES (C10-C28)	4288810	203
C18	4.677	0.002	1434	588	OR.MOIL (C28-C40)	9856552	874
C20	5.000	0.003	8627	6697			
C22	5.298	0.003	30407	15588	STODDARD (C8-C12)	72637	3
C24	5.601	-0.002	56341	40257			
C25	5.767	0.003	70210	55090			
C26	5.924	-0.001	76118	32730			
C28	6.246	0.002	93898	37136			
C32	6.854	-0.002	121094	45621			
C34	7.141	0.000	119577	41572	CREOSOT (C8-C22)	609564	95
Filter Peak	----						
C36	7.409	-0.004	114138	61669	BUNKERC (C10-C38)	12998040	1504
o-terph	4.758	-0.003	2740	1977	JET-A (C10-C18)	111596	7
Triacon Surr	6.568	0.009	1763841	1894900	IT.MOIL (C24-C40)	14605916	680

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1977	0.1	0.2
Triacontane	1894900	113.3	251.8

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b028.d

Page 1

Date : 30-JUL-2010 23:32

Client ID:

Instrument: fid3b.i

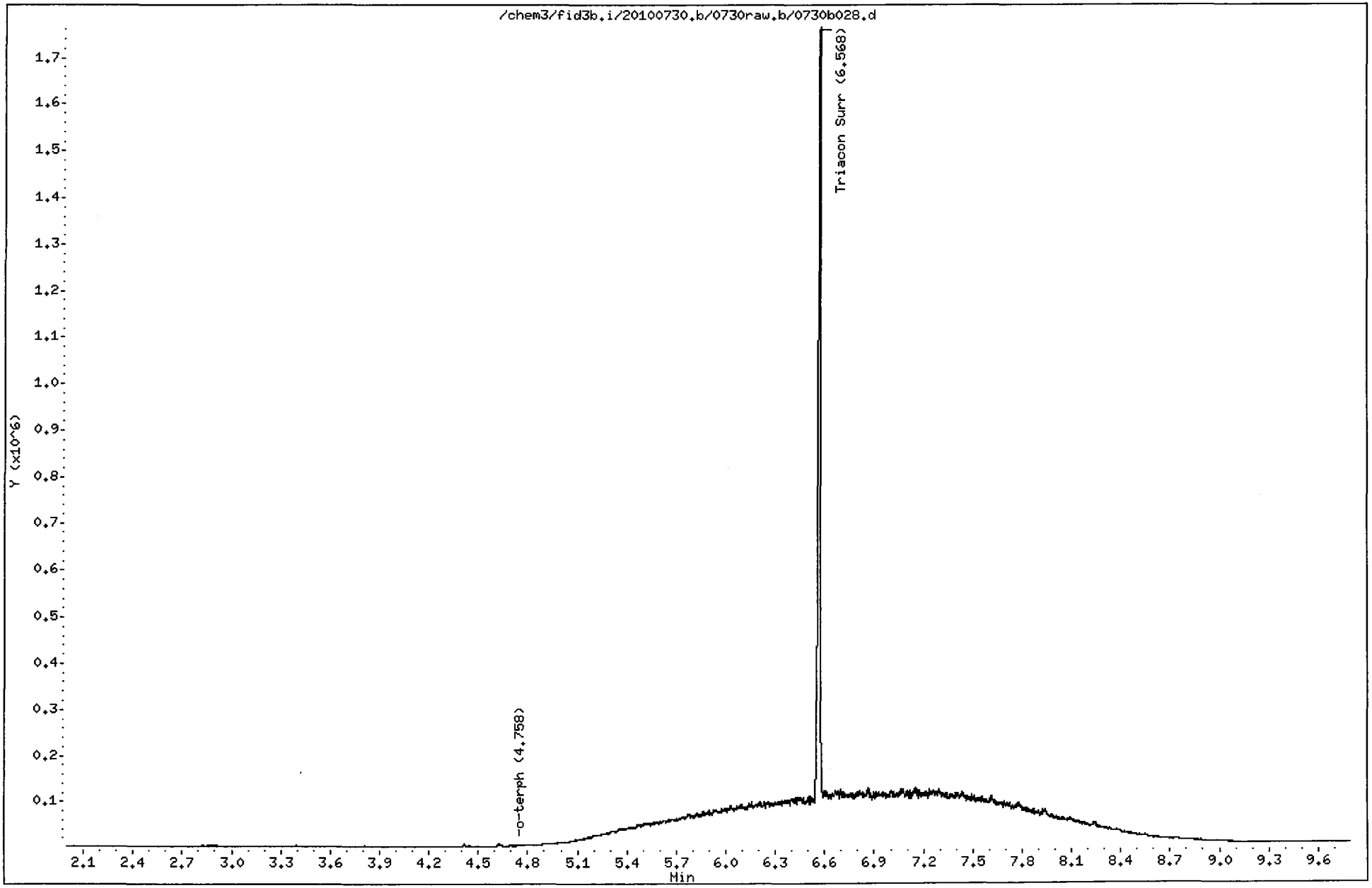
Sample Info: MOIL 1000

Operator: MS

Column phase: RTX-1

Column diameter: 2.00

RG58:61103



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b030.d ARI ID: MOIL 2500
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 31-JUL-2010 00:10
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	95636	3
C8	----				DIESEL (C12-C24)	3379394	158
C10	2.857	-0.001	3357	3375	M.OIL (C24-C38)	32896882	2723
C12	3.471	0.003	1596	1868	AK-102 (C10-C25)	3927075	163
C14	3.927	0.001	1514	356	AK-103 (C25-C36)	28841572	3229
C16	4.322	0.001	1563	1411	OR.DIES (C10-C28)	10612044	503
C18	4.676	0.001	3568	4270	OR.MOIL (C28-C40)	28397062	2519
C20	4.996	-0.001	22446	7349			
C22	5.295	-0.001	73882	30652	STODDARD (C8-C12)	95636	3
C24	5.605	0.002	133400	26133			
C25	5.762	-0.001	165074	51876			
C26	5.928	0.002	188516	86981			
C28	6.238	-0.006	233688	182539			
C32	6.857	0.001	290957	171974			
C34	7.138	-0.003	286943	126318	CREOSOT (C8-C22)	1390131	217
Filter Peak	----						
C36	7.411	-0.002	275697	173060	BUNKERC (C10-C38)	36341914	4205
o-terph	4.758	-0.004	6196	3899	JET-A (C10-C18)	200291	13
Triacon Surr	6.545	-0.014	262776	85419	IT.MOIL (C24-C40)	35649493	1659

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3899	0.2	0.4
Triacontane	85419	5.1	11.3

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

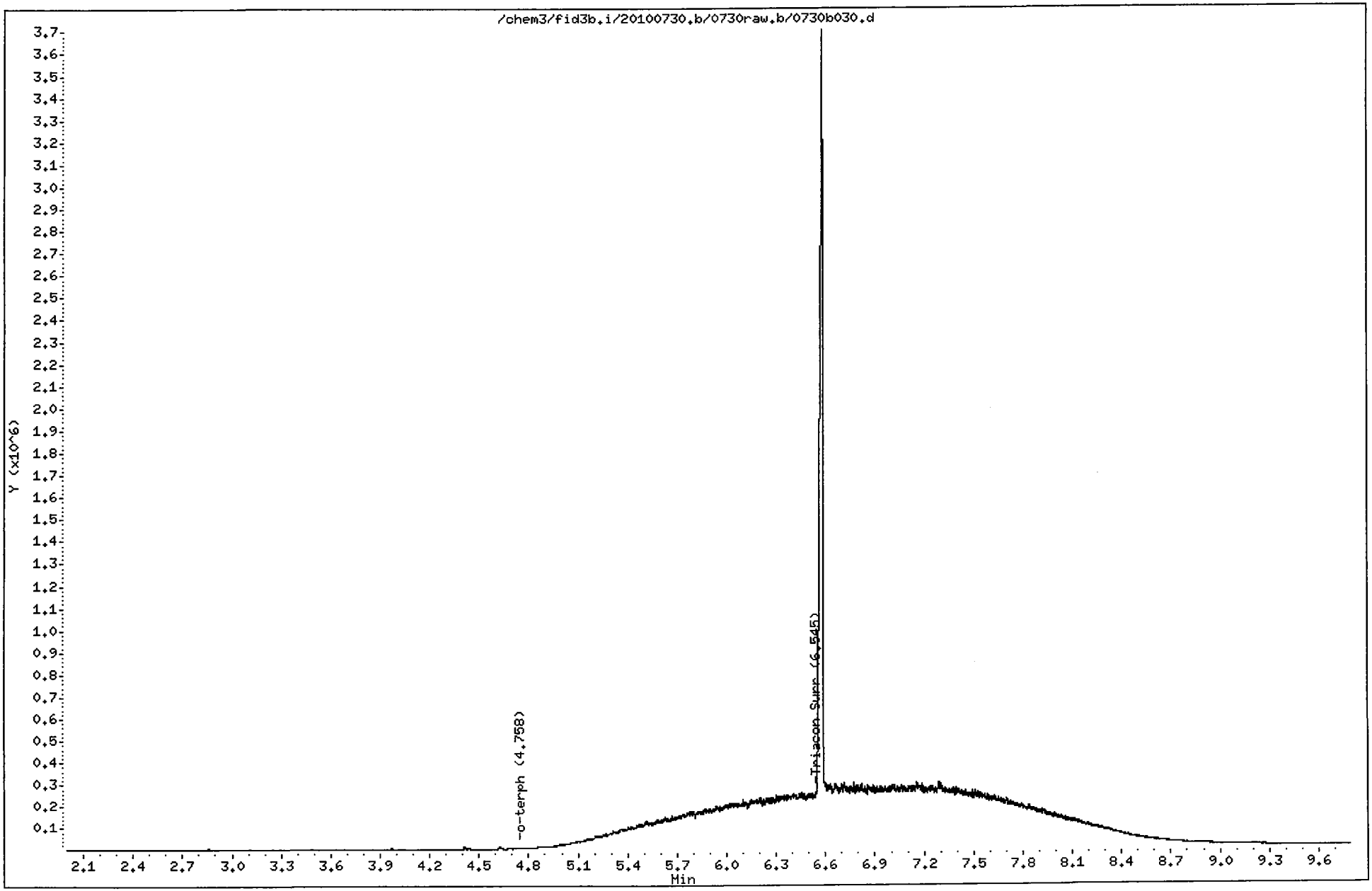
Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b030.d
Date : 31-JUL-2010 00:10
Client ID:
Sample Info: MOIL 2500

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

RG58:61105



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b032.d ARI ID: MOIL 5000
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 31-JUL-2010 00:47
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	136516	5
C8	----				DIESEL (C12-C24)	7391085	345
C10	2.860	0.002	6390	7826	M.OIL (C24-C38)	71834393	5946
C12	3.468	0.000	3090	3308	AK-102 (C10-C25)	8576883	356
C14	3.927	0.000	2902	3119	AK-103 (C25-C36)	63299858	7086
C16	4.322	0.001	3356	5579	OR.DIES (C10-C28)	23215807	1101
C18	4.674	-0.001	7922	8796	OR.MOIL (C28-C40)	61601385	5464
C20	4.996	-0.002	47935	10434			
C22	5.294	-0.002	159044	57913	STODDARD (C8-C12)	136516	5
C24	5.606	0.002	294534	135002			
C25	5.760	-0.004	341829	114396			
C26	5.924	-0.002	403139	246862			
C28	6.245	0.000	500056	192227			
C32	6.855	0.000	584755	116103			
C34	7.144	0.003	614284	191733	CREOSOT (C8-C22)	2916422	456
Filter Peak	----						
C36	7.412	-0.002	608306	208570	BUNKERC (C10-C38)	79322386	9177
o-terph	4.757	-0.005	12189	7421	JET-A (C10-C18)	369371	23
Triacon Surr	6.548	-0.012	568152	143228	IT.MOIL (C24-C40)	77472427	3605

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	7421	0.4	0.8
Triacontane	143228	8.6	19.0

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b032.d

Page 1

Date : 31-JUL-2010 00:47

Client ID:

Instrument: fid3b.i

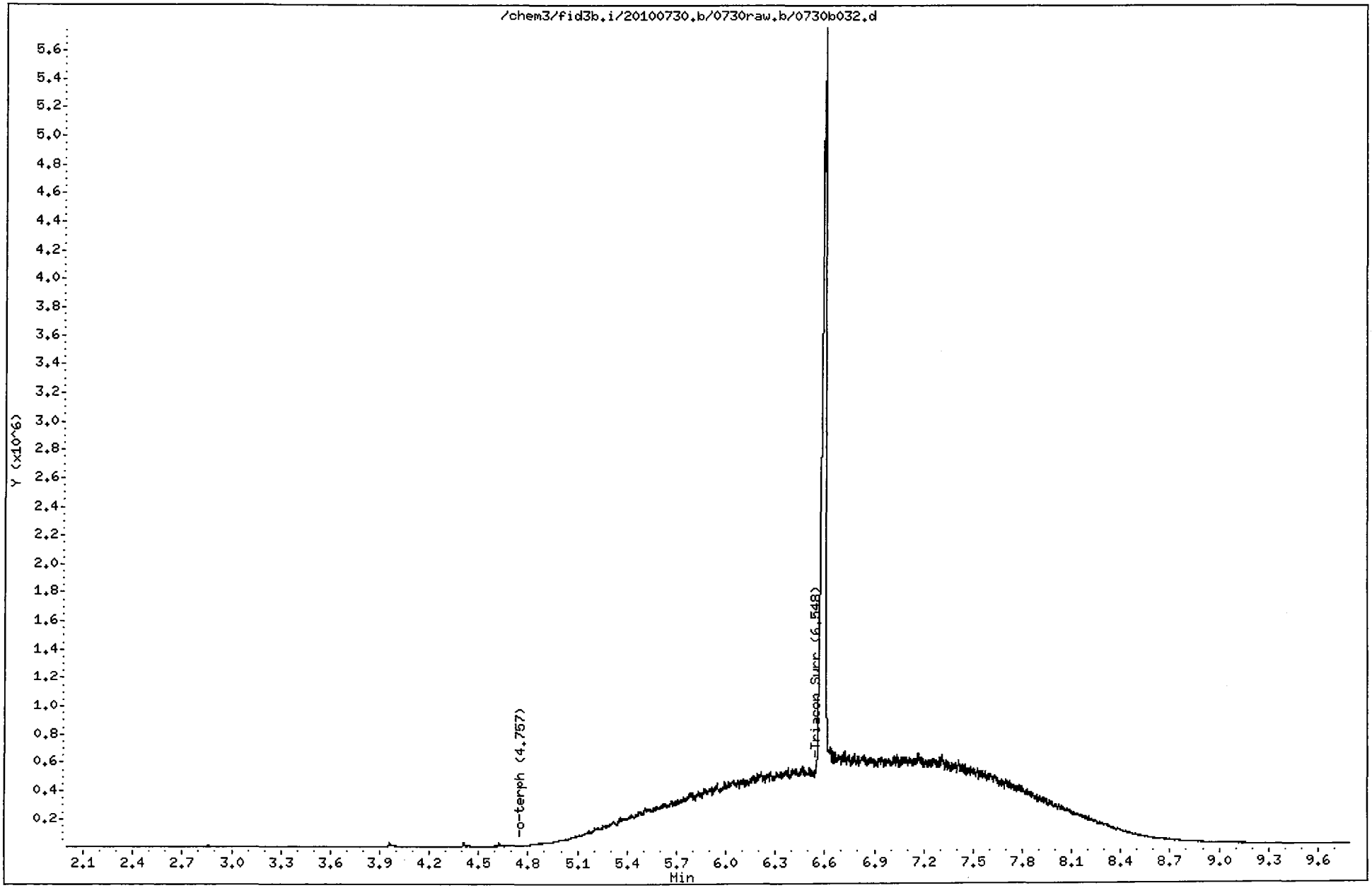
Sample Info: MOIL 5000

Operator: MS

Column phase: RTX-1

Column diameter: 2.00

RG58 : 91107



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100730.b/0730raw.b/0730b034.d ARI ID: MOIL ICV
Method: /chem3/fid3b.i/20100730.b/ftphfid3b.m Client ID:
Instrument: fid3b.i Injection: 31-JUL-2010 01:25
Operator: MS Dilution Factor: 1
Report Date: 08/03/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	69710	3
C8	----				DIESEL (C12-C24)	654549	31
C10	2.860	0.002	1401	800	M.OIL (C24-C38)	5643801	467
C12	3.466	-0.002	844	283	AK-102 (C10-C25)	785151	33
C14	3.928	0.001	611	154	AK-103 (C25-C36)	4842447	542
C16	4.325	0.004	330	255	OR.DIES (C10-C28)	2137357	101
C18	4.676	0.001	610	174	OR.MOIL (C28-C40)	4762622	422
C20	4.999	0.002	3728	881			
C22	5.295	-0.001	14759	8671	STODDARD (C8-C12)	69710	3
C24	5.604	0.001	26635	20138			
C25	5.767	0.003	34354	20126			
C26	5.925	-0.001	38360	10923			
C28	6.242	-0.003	45237	26594			
C32	6.858	0.003	58973	16709			
C34	7.142	0.000	60409	28174	CREOSOT (C8-C22)	326198	51
Filter Peak	----						
C36	7.410	-0.003	54496	40370	BUNKERC (C10-C38)	6342170	734
o-terph	4.761	-0.001	1177	942	JET-A (C10-C18)	83224	5
Triacon Surr	6.560	0.000	917980	752053	IT.MOIL (C24-C40)	6953664	324

Range Times: NW Diesel(3.518 - 5.653) NW Gas(0.983 - 3.518) NW M.Oil(5.653 - 7.720)
AK102(2.808 - 5.714) AK103(5.714 - 7.463) Jet A(2.808 - 4.725)

Surrogate	Area	Amount	%Rec
o-Terphenyl	942	0.0	0.1
Triacontane	752053	45.0	99.9

8/3/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100730.b/0730raw.b/0730b034.d

Date : 31-JUL-2010 01:25

Client ID:

Sample Info: MOIL ICV

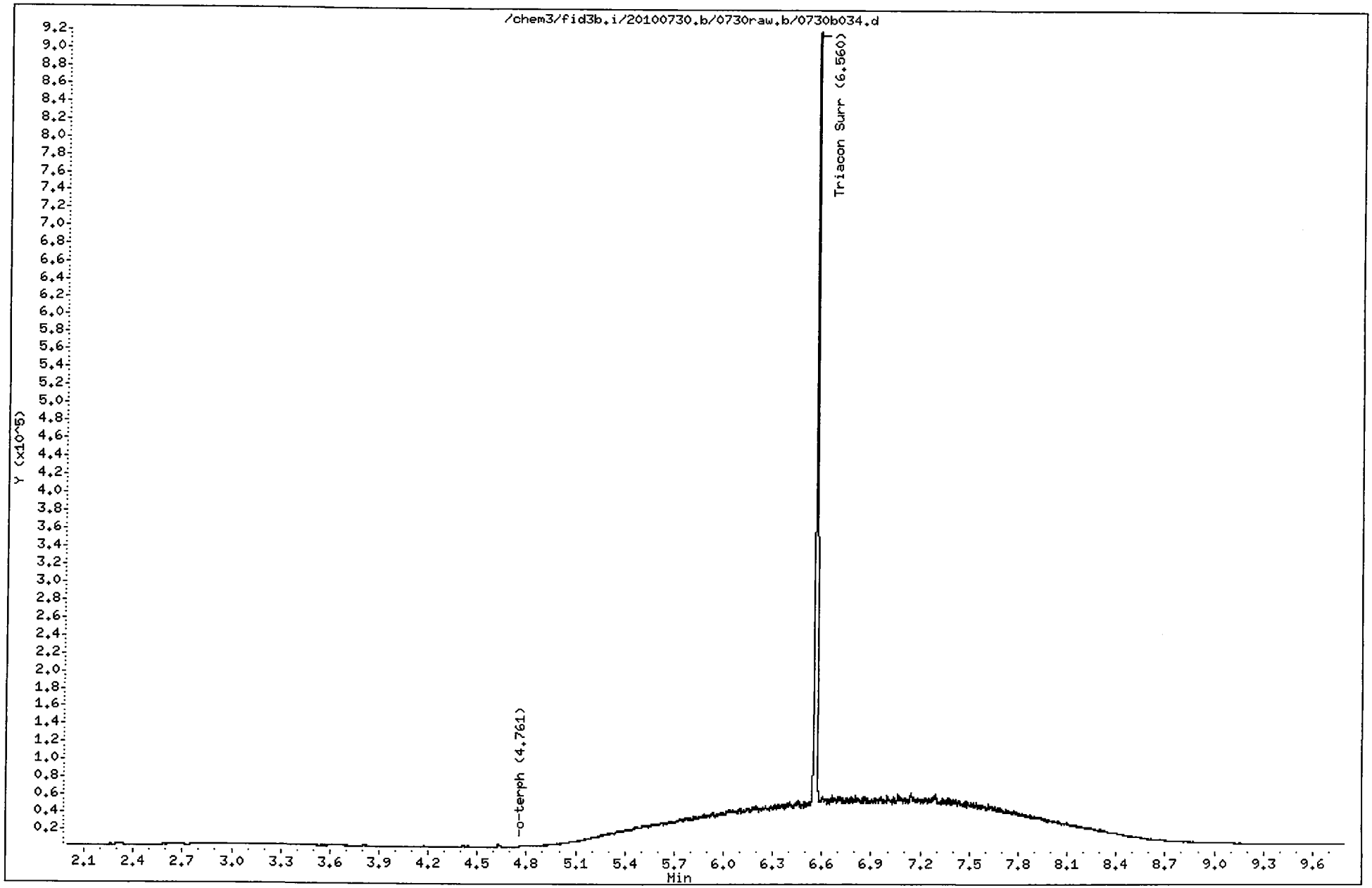
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RG58:01169



TPHD Raw Data
Run Logs, Continuing Calibrations, and Raw Data

ARI Job ID: RG58

(b)

Analytical Resources Inc.: Organics Instrument Log

FID-3B Serial No.: US00003232

Date: 8/7/10 Analysis: NWTPHD Analyst: MS

GC Program: DRHT1 Column No: 162178 Column Type: 2B1 FIT

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

Calibration File: — Curve Date: 7/30/10

IS/SS

Ical/Ccal

1700-1
1680-3
1730-3
1737-3

LCS/ICV

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3	0157	0807b049.d	DIESEL#5		1
4	0216	0807b050.d	MOIL#5		1
5	0235	0807b051.d	RG58MBS1		1
6	0254	0807b052.d	RG58LCSS1		1
7	0313	0807b053.d	RG58A		1
8	0332	0807b054.d	RG58B		1
9	0351	0807b055.d	RG58C		1
10	0410	0807b056.d	RG58D		1
11	0429	0807b057.d	RG58E		1
12	0448	0807b058.d	RG58F		1
13	0507	0807b059.d	RG58G		1
14	0526	0807b060.d	RG58H		1
15	0545	0807b061.d	DIESEL#6		1
16	0604	0807b062.d	MOIL#6		1
17	0623	0807b063.d	RG58I		1
18	0642	0807b064.d	RG58IMS		1
19	0701	0807b065.d	RG58IMSD		1
20	0720	0807b066.d	RG58J		1
21	0739	0807b067.d	RG58K		1
22	0759	0807b068.d	RG58L		1

MS

	Time	Filename	LabID	ClientId	DF
23	0818	0807b069.d	RG58M		1
24	0837	0807b070.d	RG58N		1
25	0856	0807b071.d	RG58O		1
26	0915	0807b072.d	RG58P		1
27	0934	0807b073.d	RG58Q		1
28	0953	0807b074.d	RG58S		1
29	1012	0807b075.d	DIESEL#7		1
30	1031	0807b076.d	MOIL#7		1
31	1050	0807b077.d	RG62MBS1		1
32	1109	0807b078.d	RG62LCSS1		1
33	1129	0807b079.d	RG62A		1
34	1148	0807b080.d	RG62B		1
35	1207	0807b081.d	RG62D		1
36	1226	0807b082.d	RG62E		1
37	1245	0807b083.d	RG62EMS		1
38	1305	0807b084.d	RG62EMSD		1
39	1324	0807b085.d	RG62F		1
40	1342	0807b086.d	RG62G		1
41	1401	0807b087.d	RG62H		1
42	1420	0807b088.d	RG62A		10
43	1439	0807b089.d	RG62B		20
44	1458	0807b090.d	DIESEL#8		1
45	1517	0807b091.d	MOIL#8		1

MS

MS

8/9/10

Maintenance / Comments

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, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: FLOYD / SNIDER

ARI SOP: **403S**(PCB) **405S**(Herb) (**407S**(TPH-D)) **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): Diesel, Motor Oil

Instrument: FID-3A (FID-3B) FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 7/30/10 Analysis Start: 8/8/10

Endrin/DDT Breakdown <15%? YES / NO / ~~NA~~		Method Blank In Control?	YES / NO
ICal Meets RF & %RSD Criteria?	YES / NO	LCS/LCSD Recovery In Control?	YES / NO
CCal Meets RF & %RSD Criteria?	YES / NO	Surrogate Recovery In Control?	~~YES~~ / NO
Manual Integrations for ICal?	~~YES~~ / NO	Manual Integrations for Samples?	~~YES~~ / NO
Internal Standard Meets Criteria? YES / NO / ~~NA~~		Special Analysis Criteria Met?	YES / NO / ~~NA~~

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

Sample 12 is being reextracted since there was sample lost during extraction.

Sample D appears to have been double surrogated. Sample D is clean. — Corrected in Lims DMS 8/10/10

DMS 8/10/10

Additional Details on Reverse: Yes / ~~No~~

Analyst: DMS **Date:** 8/10/10

Reviewer: [signature] **Date:** 8/10/10

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b047.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RT
Client ID: RT
Injection: 08-AUG-2010 01:20
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.026	0.000	425672	304968	GAS (Tol-C12)	1044987	38
C8	1.319	0.000	147111	181097	DIESEL (C12-C24)	1715010	80
C10	2.855	0.000	463020	249976	M.OIL (C24-C38)	2145698	178
C12	3.465	0.000	508188	245793	AK-102 (C10-C25)	2261317	94
C14	3.925	0.000	456452	254317	AK-103 (C25-C36)	1909299	214
C16	4.321	0.000	446201	254682	OR.DIES (C10-C28)	3244089	154
C18	4.674	0.000	448358	269389	OR.MOIL (C28-C40)	1381587	123
C20	4.997	0.000	434491	263807			
C22	5.295	0.000	403740	262498	STODDARD (C8-C12)	740018	27
C24	5.604	0.000	380280	274483			
C25	5.763	0.000	532316	383446			
C26	5.924	0.000	355915	281526			
C28	6.244	0.000	354621	286150			
C32	6.856	0.000	319695	290126			
C34	7.142	0.000	288496	269742	CREOSOT (C8-C22)	2157260	337
Filter Peak	----						
C36	7.414	0.000	249580	246942	BUNKERC (C10-C38)	4401398	509
o-terph	4.763	0.000	1502968	972591	JET-A (C10-C18)	1385276	87
Triacon Surr	6.564	0.000	1129561	997166	IT.MOIL (C24-C40)	3367141	157

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

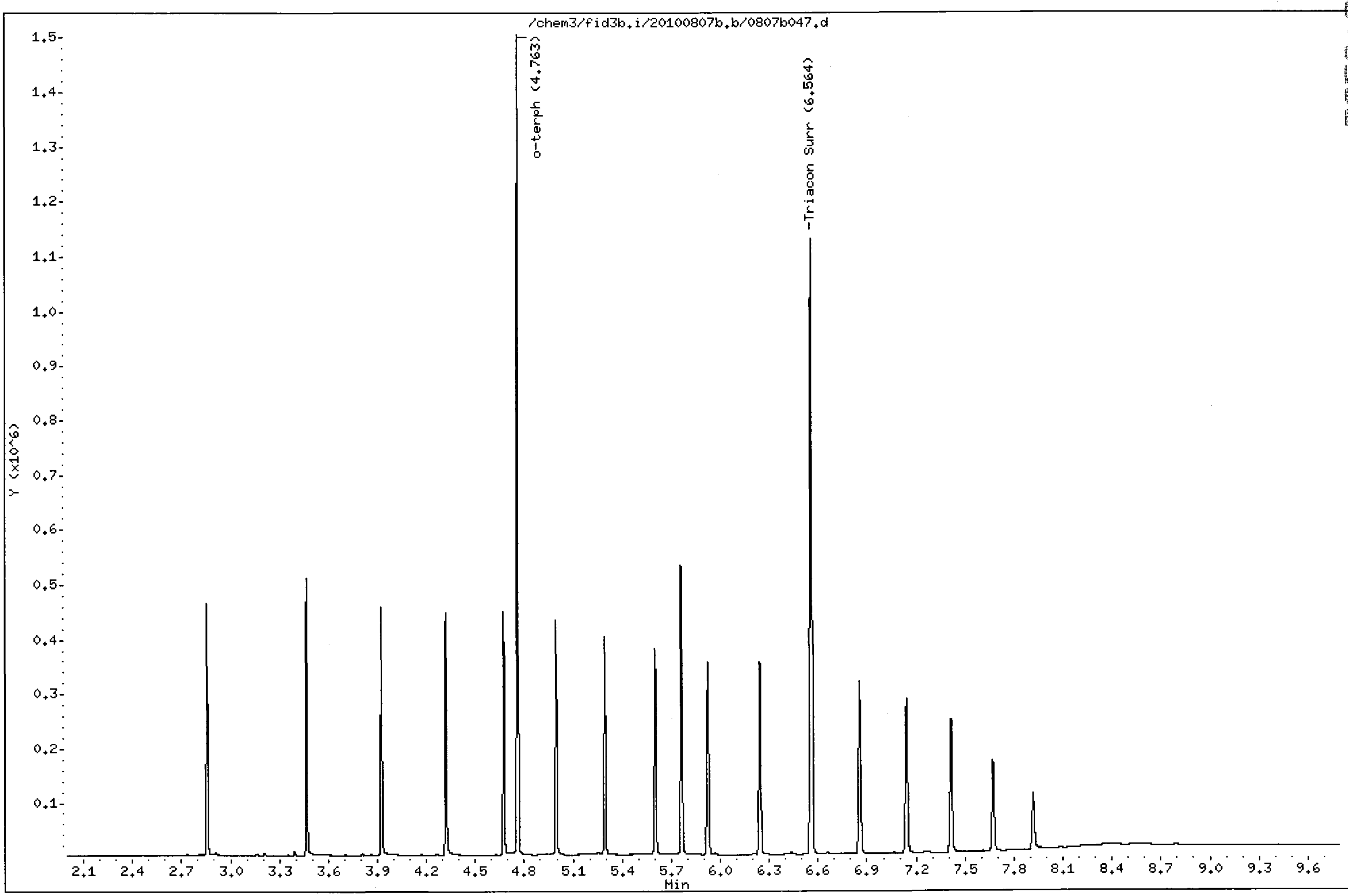
Surrogate	Area	Amount	%Rec
o-Terphenyl	972591	48.8	108.4
Triacontane	997166	59.6	132.5

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b047.d
Date : 08-AUG-2010 01:20
Client ID: RT
Sample Info: RT
Column phase: RTX-1

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00



RG58 : 01114

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b048.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: IB
Client ID: IB
Injection: 08-AUG-2010 01:38
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	41117	2
C8	----				DIESEL (C12-C24)	36133	2
C10	2.857	0.002	942	1059	M.OIL (C24-C38)	184376	15
C12	3.465	0.000	719	454	AK-102 (C10-C25)	65869	3
C14	3.925	0.000	372	182	AK-103 (C25-C36)	127770	14
C16	4.321	0.000	175	29	OR.DIES (C10-C28)	71333	3
C18	4.673	-0.001	205	214	OR.MOIL (C28-C40)	261122	23
C20	5.005	0.008	408	194			
C22	5.293	-0.002	228	117	STODDARD (C8-C12)	41117	1
C24	5.604	0.000	135	40			
C25	5.761	-0.002	62	16			
C26	5.929	0.004	168	182			
C28	6.245	0.000	544	742			
C32	6.869	0.014	3098	5186			
C34	7.138	-0.004	2246	2464	CREOSOT (C8-C22)	75615	12
Filter Peak	----						
C36	7.414	0.000	3099	740	BUNKERC (C10-C38)	250186	29
o-terph	4.763	0.001	1724009	987563	JET-A (C10-C18)	51078	3
Triacon Surr	6.559	-0.004	911763	775640	IT.MOIL (C24-C40)	1042285	49

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	987563	49.5	110.1
Triacontane	775640	46.4	103.1

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b048.d

Date : 08-AUG-2010 01:38

Client ID: IB

Sample Info: IB

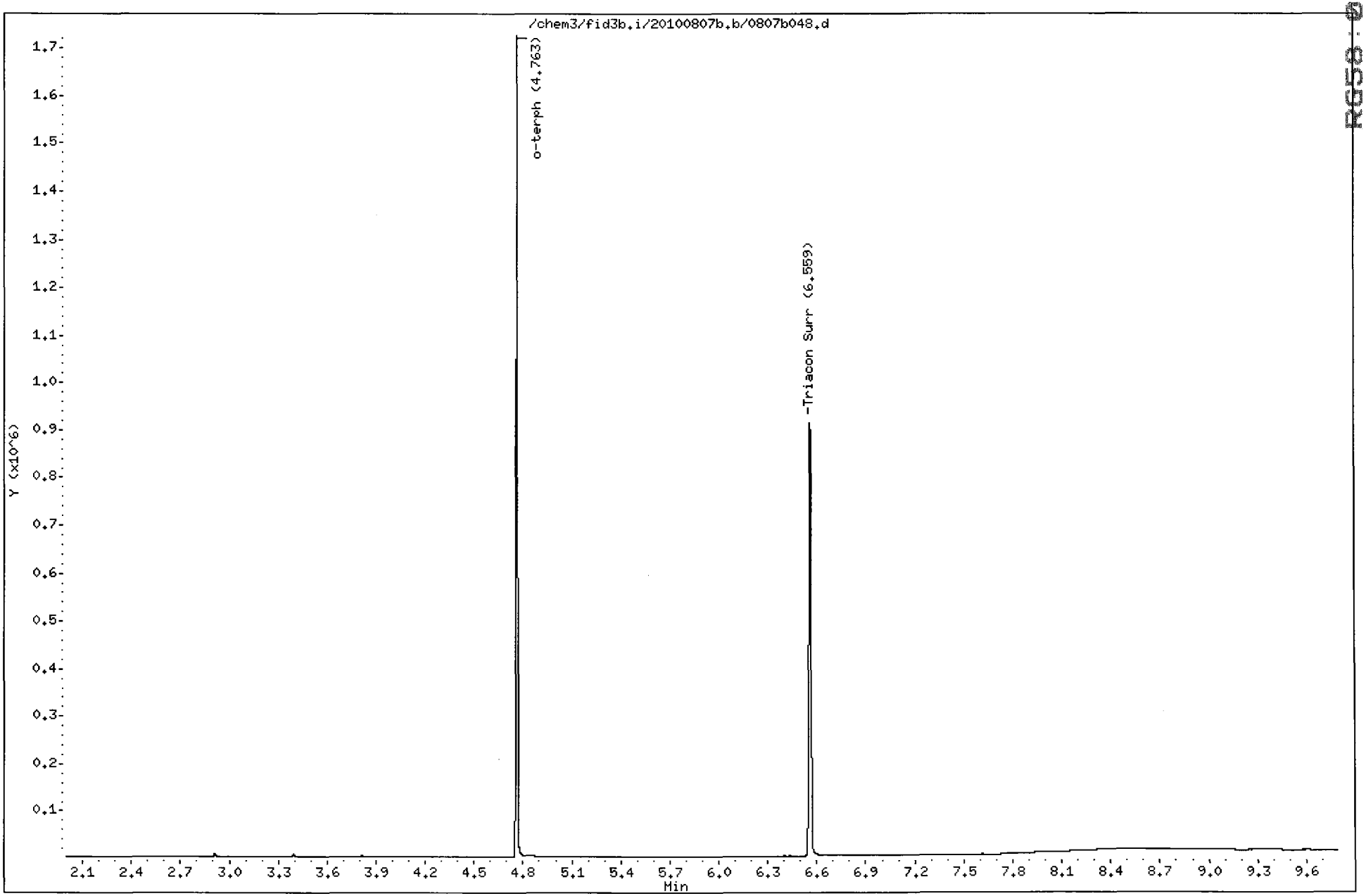
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RGSB-04116



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b049.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: DIESEL#5
Client ID: DIESEL#5
Injection: 08-AUG-2010 01:57
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	741298	27
C8	----				DIESEL (C12-C24)	5018604	235
C10	2.855	0.000	26870	18644	M.OIL (C24-C38)	182720	15
C12	3.466	0.000	61410	49054	AK-102 (C10-C25)	5625385	233
C14	3.923	-0.002	130670	114594	AK-103 (C25-C36)	126206	14
C16	4.320	-0.001	213859	188032	OR.DIES (C10-C28)	5669794	269
C18	4.675	0.002	192038	165228	OR.MOIL (C28-C40)	195523	17
C20	4.996	-0.001	115005	103618			
C22	5.294	-0.001	48855	47225	STODDARD (C8-C12)	741298	27
C24	5.604	0.000	11793	16737			
C25	5.769	0.006	4447	7957			
C26	5.926	0.002	1461	671			
C28	6.246	0.001	346	138			
C32	6.869	0.013	2661	4518			
C34	7.143	0.001	1491	533	CREOSOT (C8-C22)	5584686	873
Filter Peak	----						
C36	7.414	0.000	2407	621	BUNKERC (C10-C38)	5795633	671
o-terph	4.763	0.000	1555968	826630	JET-A (C10-C18)	4119515	260
Triacon Surr	6.560	-0.003	431	126	IT.MOIL (C24-C40)	252531	12

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	826630	41.5	92.2
Triacontane	126	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

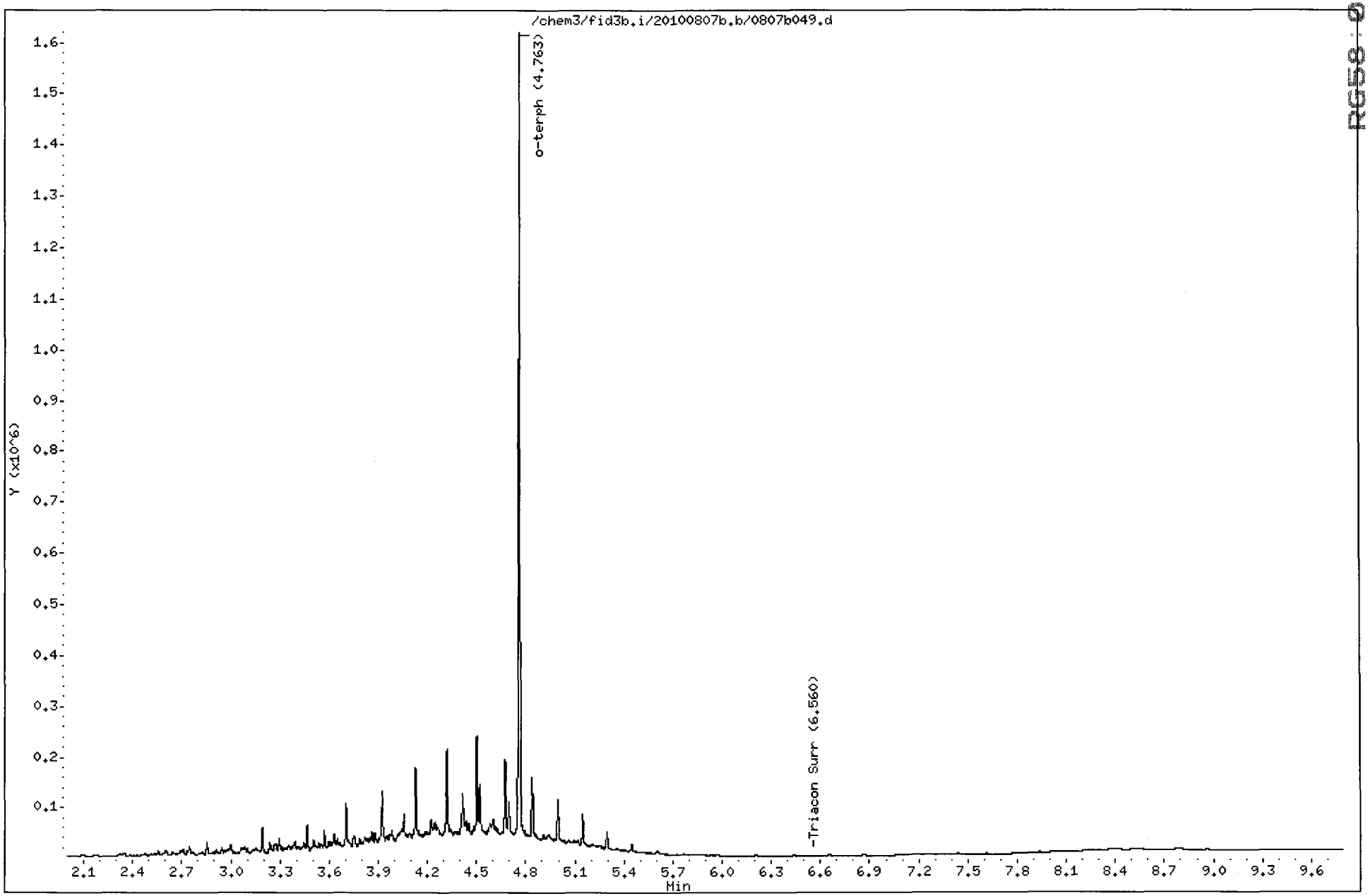
MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b049.d
Date : 08-AUG-2010 01:57
Client ID: DIESEL#5
Sample Info: DIESEL#5

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1



RG58-91118

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b050.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: MOIL#5
Client ID: MOIL#5
Injection: 08-AUG-2010 02:16
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	46791	2
C8	----				DIESEL (C12-C24)	650111	30
C10	2.856	0.001	1020	1405	M.OIL (C24-C38)	5293636	438
C12	3.472	0.007	677	226	AK-102 (C10-C25)	778329	32
C14	3.921	-0.004	562	165	AK-103 (C25-C36)	4645950	520
C16	4.323	0.002	421	129	OR.DIES (C10-C28)	2050075	97
C18	4.672	-0.002	698	175	OR.MOIL (C28-C40)	4293286	381
C20	4.995	-0.002	3992	950			
C22	5.294	-0.001	14550	4165	STODDARD (C8-C12)	46791	2
C24	5.601	-0.004	25787	20329			
C25	5.762	-0.002	30515	4217			
C26	5.929	0.005	37079	16807			
C28	6.243	-0.002	42447	15114			
C32	6.858	0.002	55995	41100			
C34	7.144	0.002	52702	13471	CREOSOT (C8-C22)	301750	47
Filter Peak	----						
C36	7.412	-0.003	45920	28045	BUNKERC (C10-C38)	5977130	692
o-terph	4.760	-0.002	2839	3740	JET-A (C10-C18)	73803	5
Triacon Surr	6.561	-0.003	811959	711967	IT.MOIL (C24-C40)	6371834	297

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3740	0.2	0.4
Triacontane	711967	42.6	94.6

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst: [signature] Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b050.d

Date : 08-AUG-2010 02:16

Client ID: MOIL#5

Sample Info: MOIL#5

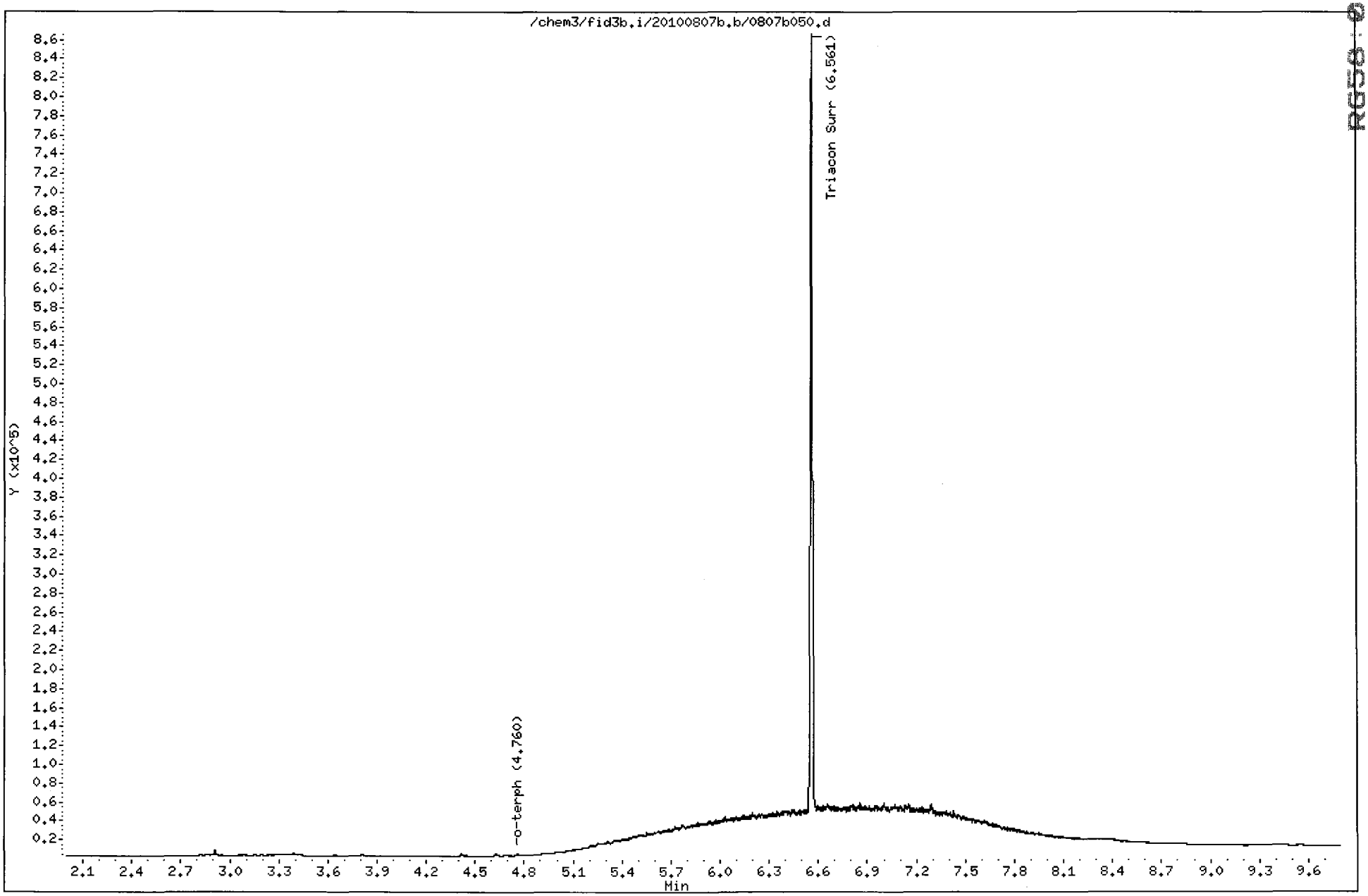
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG50-01120



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b051.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58MBS1
Client ID: RG58MBS1
Injection: 08-AUG-2010 02:35
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	72903	3
C8	----				DIESEL (C12-C24)	153197	7
C10	2.855	0.000	1308	1470	M.OIL (C24-C38)	189250	16
C12	3.475	0.010	1077	622	AK-102 (C10-C25)	207480	9
C14	3.933	0.008	1036	483	AK-103 (C25-C36)	143009	16
C16	4.327	0.006	3132	4966	OR.DIES (C10-C28)	216736	10
C18	4.679	0.005	947	632	OR.MOIL (C28-C40)	238638	21
C20	4.990	-0.007	887	496			
C22	5.300	0.005	581	437	STODDARD (C8-C12)	72903	3
C24	5.606	0.002	474	173			
C25	5.769	0.006	529	286			
C26	5.927	0.003	305	157			
C28	6.244	0.000	630	1009			
C32	6.865	0.009	2634	3422			
C34	7.142	0.000	3439	3505	CREOSOT (C8-C22)	217779	34
Filter Peak	----						
C36	7.415	0.000	2500	2422	BUNKERC (C10-C38)	396037	46
o-terph	4.763	0.001	1443113	793675	JET-A (C10-C18)	168548	11
Triacon Surr	6.559	-0.005	793255	654975	IT.MOIL (C24-C40)	903562	42

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	793675	39.8	88.5
Triacontane	654975	39.2	87.0

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

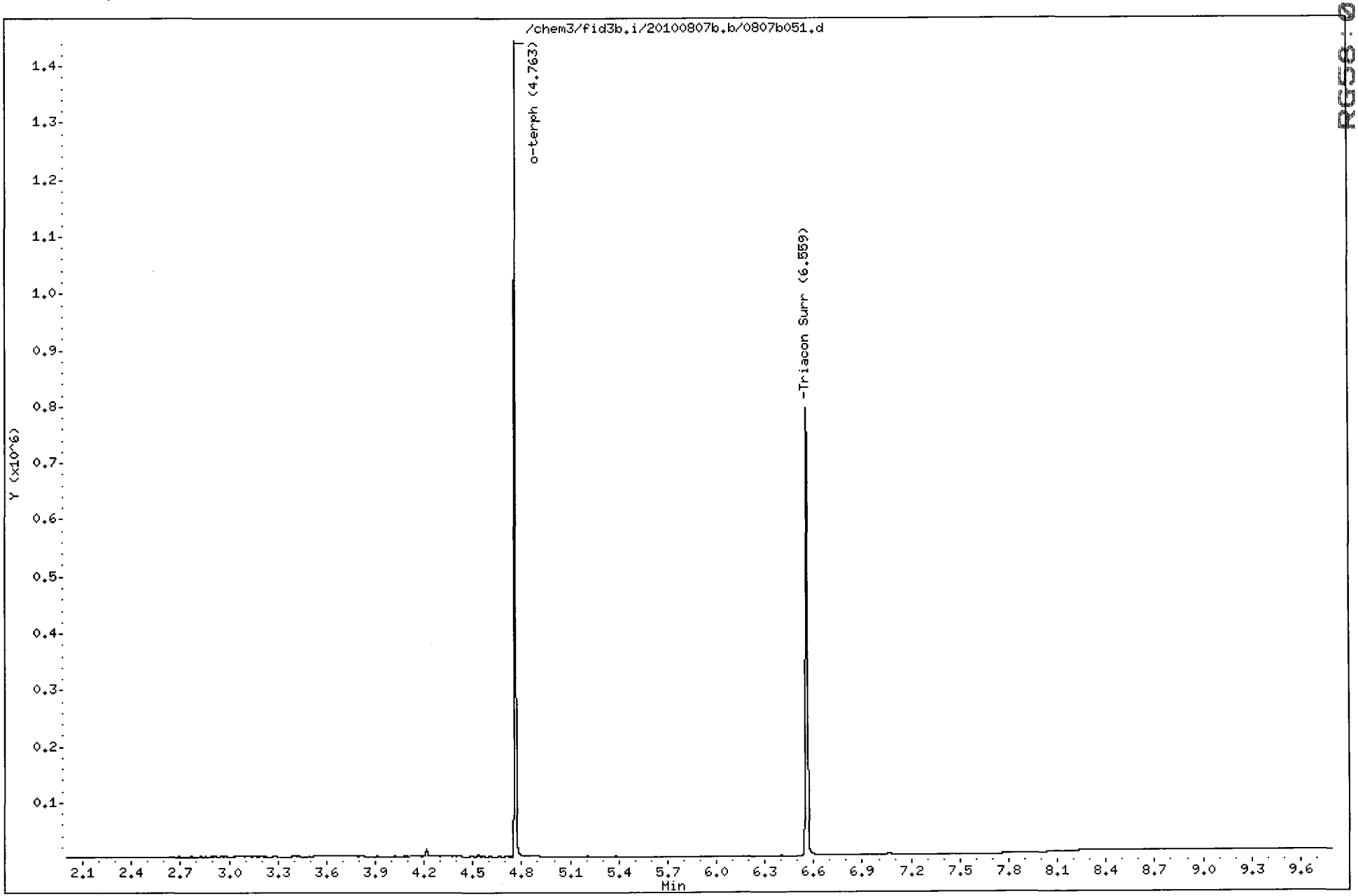
Data File: /chem3/fid3b.i/20100807b.b/0807b051.d
Date : 08-AUG-2010 02:35
Client ID: RG58MBS1
Sample Info: RG58MBS1

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01122



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b052.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/18/2010
Macro: FID:3B073010

ARI ID: RG58LCSS1
Client ID: RG58LCSS1
Injection: 08-AUG-2010 02:54
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3955282	145
C8	----				DIESEL (C12-C24)	29500226	1379
C10	2.856	0.001	142683	100218	M.OIL (C24-C38)	436487	36
C12	3.467	0.002	388136	275098	AK-102 (C10-C25)	32813792	1361
C14	3.925	0.000	750272	653212	AK-103 (C25-C36)	325768	36
C16	4.325	0.004	1233123	1120301	OR.DIES (C10-C28)	33060402	1568
C18	4.680	0.006	1198573	946076	OR.MOIL (C28-C40)	159197	14
C20	5.000	0.003	747569	588512			
C22	5.296	0.001	334911	283904	STODDARD (C8-C12)	3955282	143
C24	5.602	-0.002	91794	97947			
C25	5.764	0.001	40142	50664			
C26	5.924	0.000	14947	16457			
C28	6.244	-0.001	3067	4251			
C32	6.867	0.011	1857	3658			
C34	7.145	0.003	1622	1290	CREOSOT (C8-C22)	32383960	5063
Filter Peak	----						
C36	7.413	-0.002	1742	311	BUNKERC (C10-C38)	33173298	3838
o-terph	4.765	0.002	1606467	880323	JET-A (C10-C18)	23823547	1503
Triacon Surr	6.560	-0.004	855956	744335	IT.MOIL (C24-C40)	1227122	57

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	880323	44.2	98.1
Triacontane	744335	44.5	98.9

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

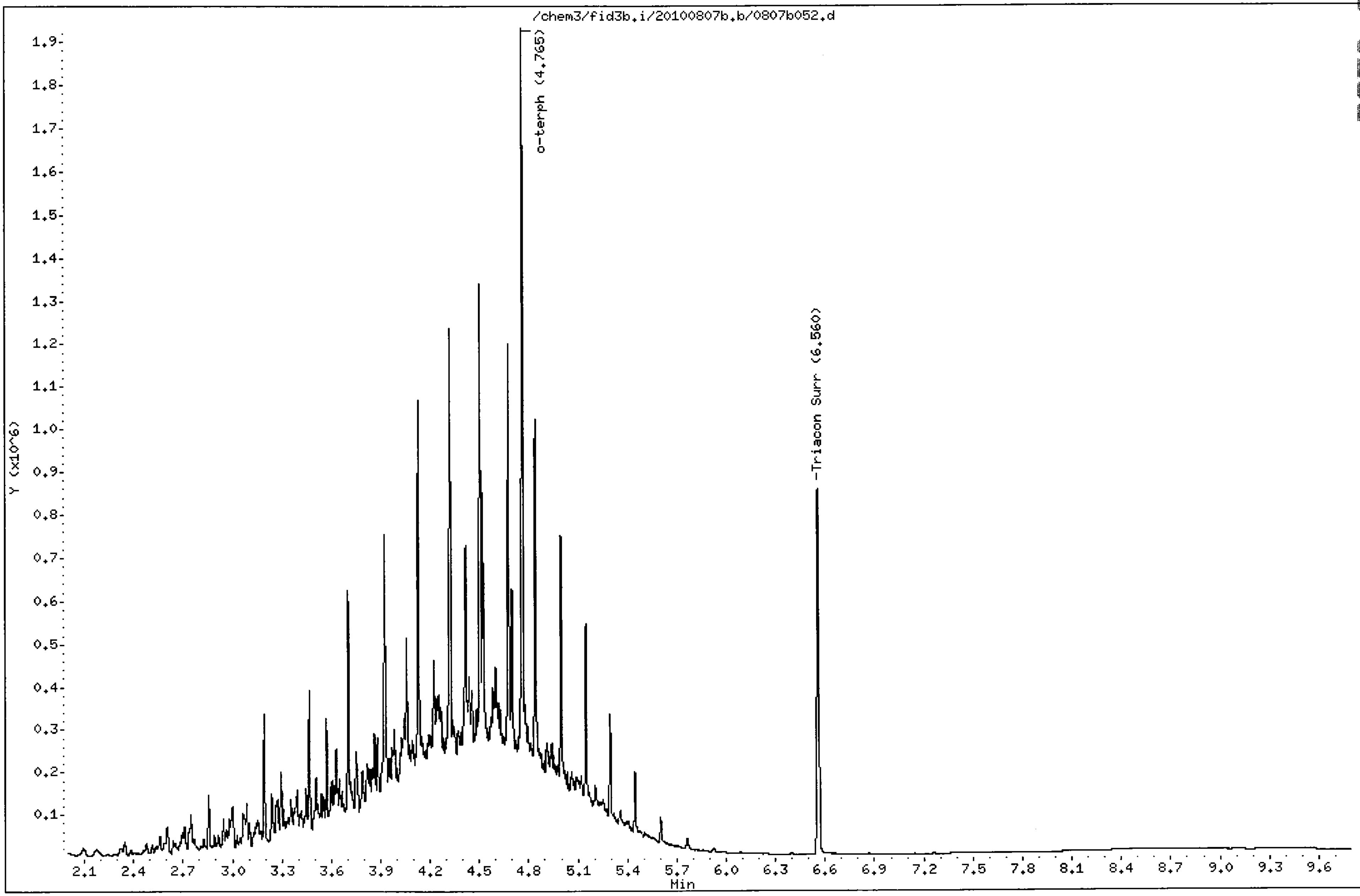
MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/18/10

RG58:01123

Data File: /chem3/fid3b.i/20100807b.b/0807b052.d
Date : 08-AUG-2010 02:54
Client ID: RG58LCSS1
Sample Info: RG58LCSS1
Column phase: RTX-1

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b053.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58A
Client ID: PSB22-0-0.5-072910
Injection: 08-AUG-2010 03:13
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	173373	6
C8	----				DIESEL (C12-C24)	262803	12
C10	2.856	0.001	2524	3307	M.OIL (C24-C38)	749117	62
C12	3.466	0.000	1433	337	AK-102 (C10-C25)	382482	16
C14	3.929	0.004	1351	443	AK-103 (C25-C36)	653216	73
C16	4.320	-0.001	2109	2009	OR.DIES (C10-C28)	569803	27
C18	4.673	-0.001	2615	2616	OR.MOIL (C28-C40)	632639	56
C20	5.001	0.004	2455	387			
C22	5.294	-0.001	3326	775	STODDARD (C8-C12)	173373	6
C24	5.604	0.000	4348	3585			
C25	5.765	0.002	9119	14377			
C26	5.924	-0.001	6006	8820			
C28	6.242	-0.003	10075	13120			
C32	6.857	0.002	8934	12849			
C34	7.137	-0.005	6954	4232	CREOSOT (C8-C22)	377399	59
Filter Peak	----						
C36	7.415	0.001	6506	3374	BUNKERC (C10-C38)	1122229	130
o-terph	4.762	-0.001	1236607	707762	JET-A (C10-C18)	237426	15
Triacon Surr	6.559	-0.005	673382	599268	IT.MOIL (C24-C40)	1428598	66

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	707762	35.5	78.9
Triacontane	599268	35.8	79.6

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

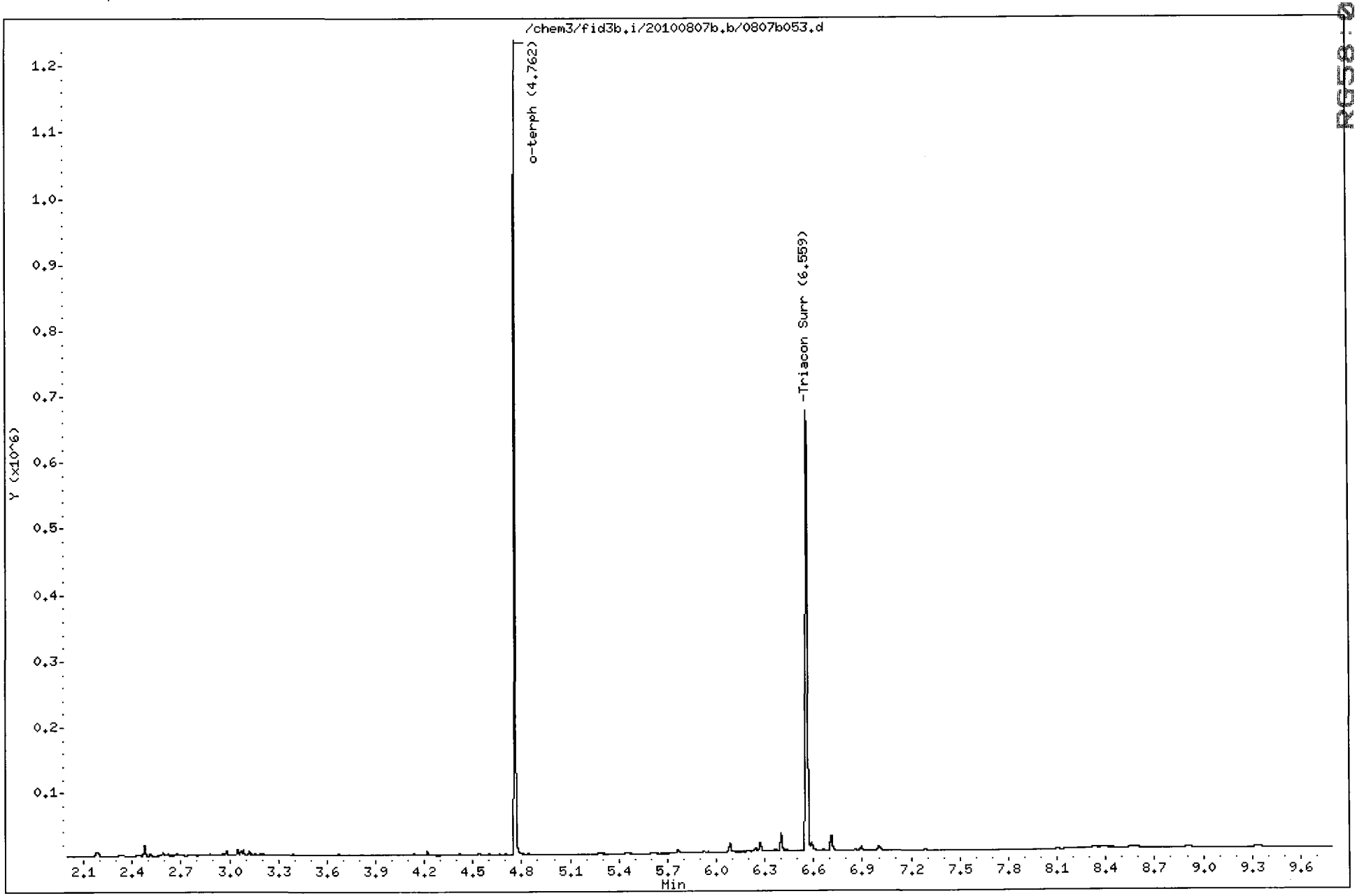
Data File: /chem3/fid3b.i/20100807b.b/0807b053.d
Date : 08-AUG-2010 03:13
Client ID: PSB22-0-0.5-072910
Sample Info: RG58A

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-011.26



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b054.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58B
Client ID: PSB22-1.5-2-072910
Injection: 08-AUG-2010 03:32
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	210380	8
C8	----				DIESEL (C12-C24)	219436	10
C10	2.857	0.002	2921	3937	M.OIL (C24-C38)	569739	47
C12	3.457	-0.008	1937	2096	AK-102 (C10-C25)	347188	14
C14	3.925	0.000	1431	334	AK-103 (C25-C36)	483635	54
C16	4.317	-0.004	2302	2080	OR.DIES (C10-C28)	467952	22
C18	4.675	0.001	1991	1219	OR.MOIL (C28-C40)	519256	46
C20	4.989	-0.008	2497	3058			
C22	5.293	-0.001	2712	1556	STODDARD (C8-C12)	210380	8
C24	5.605	0.000	3022	2791			
C25	5.768	0.005	6470	8252			
C26	5.926	0.002	3924	2759			
C28	6.243	-0.001	6782	7368			
C32	6.857	0.001	6958	4373			
C34	7.141	-0.001	6525	3436	CREOSOT (C8-C22)	392867	61
Filter Peak	----						
C36	7.417	0.003	5771	5192	BUNKERC (C10-C38)	909842	105
o-terph	4.762	0.000	1243544	678300	JET-A (C10-C18)	246168	16
Triacon Surr	6.558	-0.005	611931	541943	IT.MOIL (C24-C40)	1189048	55

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	678300	34.0	75.6
Triacontane	541943	32.4	72.0

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

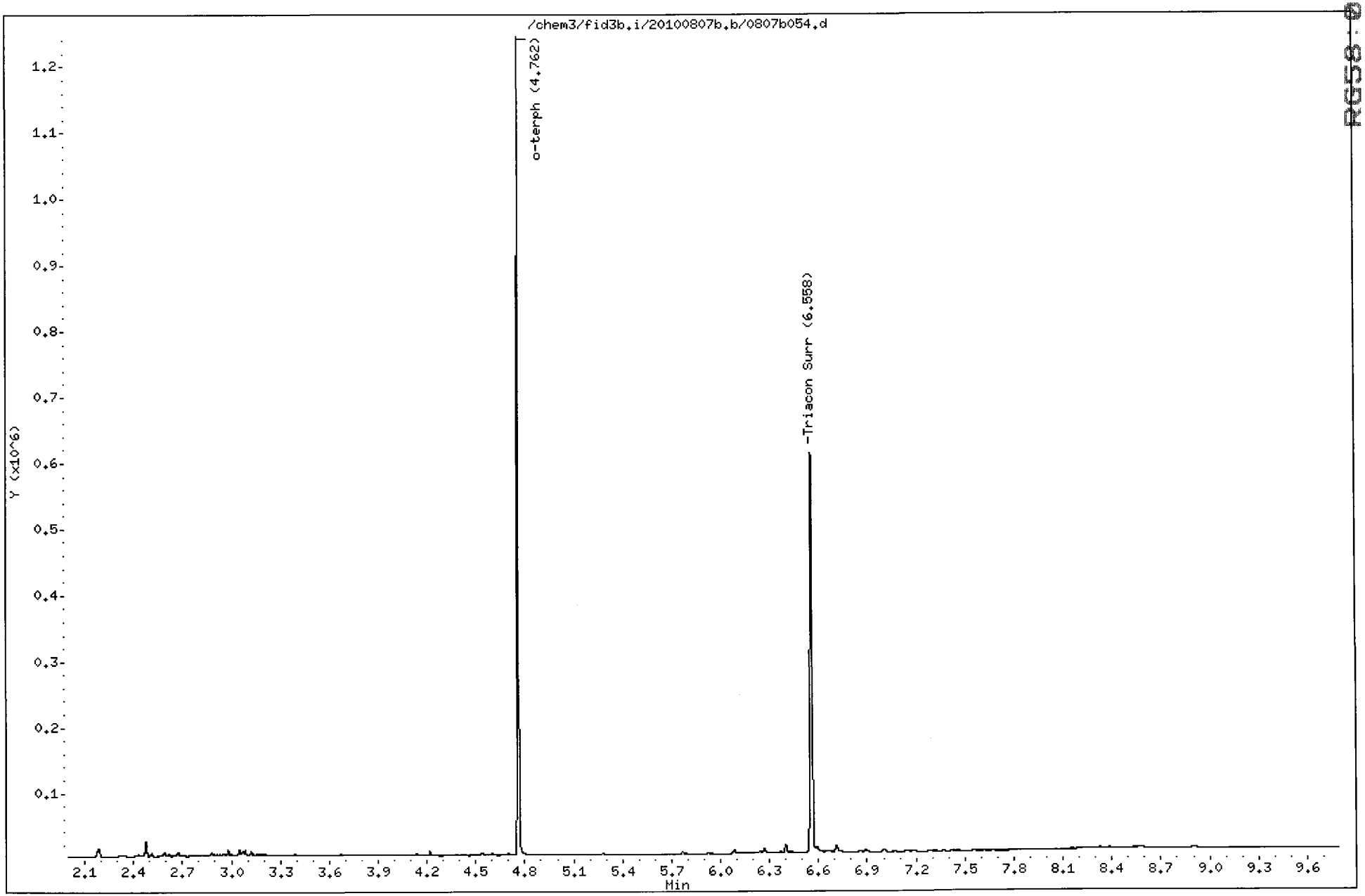
Data File: /chem3/fid3b.i/20100807b.b/0807b054.d
Date : 08-AUG-2010 03:32
Client ID: PSB22-1.5-2-072910
Sample Info: RG58B

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01128



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b055.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58C
Client ID: PSB22-2-4-072910
Injection: 08-AUG-2010 03:51
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	130654	5
C8	----				DIESEL (C12-C24)	178493	8
C10	2.856	0.001	1894	860	M.OIL (C24-C38)	437527	36
C12	3.458	-0.008	1193	1196	AK-102 (C10-C25)	252162	10
C14	3.925	0.000	881	448	AK-103 (C25-C36)	374991	42
C16	4.319	-0.002	2442	2024	OR.DIES (C10-C28)	349987	17
C18	4.664	-0.009	2523	3796	OR.MOIL (C28-C40)	398752	35
C20	5.004	0.007	1783	1289			
C22	5.297	0.002	3345	2527	STODDARD (C8-C12)	130654	5
C24	5.607	0.003	2652	3122			
C25	5.766	0.003	3916	4402			
C26	5.925	0.000	3128	3307			
C28	6.243	-0.002	5250	6719			
C32	6.857	0.001	5341	5045			
C34	7.138	-0.004	4083	5916	CREOSOT (C8-C22)	273869	43
Filter Peak	----						
C36	7.414	0.000	4059	1112	BUNKERC (C10-C38)	684184	79
o-terph	4.762	-0.001	1224349	717819	JET-A (C10-C18)	152699	10
Triacon Surr	6.560	-0.004	681340	607869	IT.MOIL (C24-C40)	1109951	52

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	717819	36.0	80.0
Triacontane	607869	36.3	80.8

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

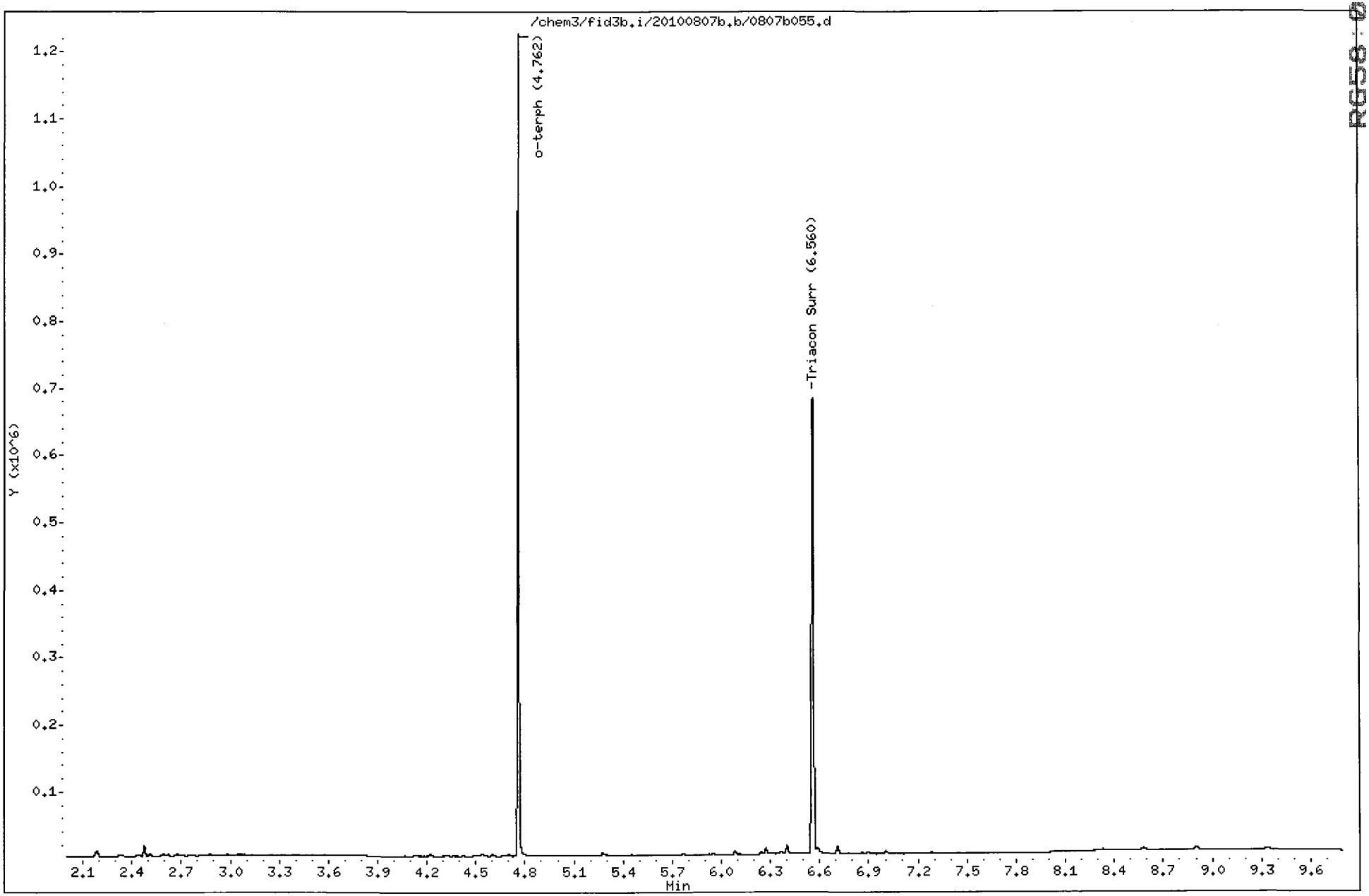
Data File: /chem3/fid3b.i/20100807b.b/0807b055.d
Date : 08-AUG-2010 03:51
Client ID: PSB22-2-4-072910
Sample Info: RG58C

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58 01130



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b056.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58D
Client ID: PSB22-4-6-072910
Injection: 08-AUG-2010 04:10
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	124230	5
C8	----				DIESEL (C12-C24)	203847	10
C10	2.855	0.000	2222	2406	M.OIL (C24-C38)	193275	16
C12	3.461	-0.004	1524	671	AK-102 (C10-C25)	304521	13
C14	3.925	0.000	1463	259	AK-103 (C25-C36)	153909	17
C16	4.326	0.005	2881	3719	OR.DIES (C10-C28)	344566	16
C18	4.675	0.001	1578	999	OR.MOIL (C28-C40)	195777	17
C20	4.991	-0.006	1366	1111			
C22	5.290	-0.004	1558	1287	STODDARD (C8-C12)	124230	4
C24	5.607	0.003	1590	524			
C25	5.759	-0.004	1210	415			
C26	5.926	0.002	1554	1034			
C28	6.243	-0.001	2023	2487			
C32	6.858	0.002	2225	1319			
C34	7.141	-0.001	2292	1888	CREOSOT (C8-C22)	307916	48
Filter Peak	----						
C36	7.416	0.002	2159	843	BUNKERC (C10-C38)	494307	57
o-terph	4.762	-0.001	1287817	748311	JET-A (C10-C18)	240587	15
Triacon Surr	6.558	-0.005	669512	615031	IT.MOIL (C24-C40)	854342	40

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	748311	37.5	83.4
Triacontane	615031	36.8	81.7

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b056.d

Date : 08-AUG-2010 04:10

Client ID: PSB22-4-6-072910

Sample Info: RC58D

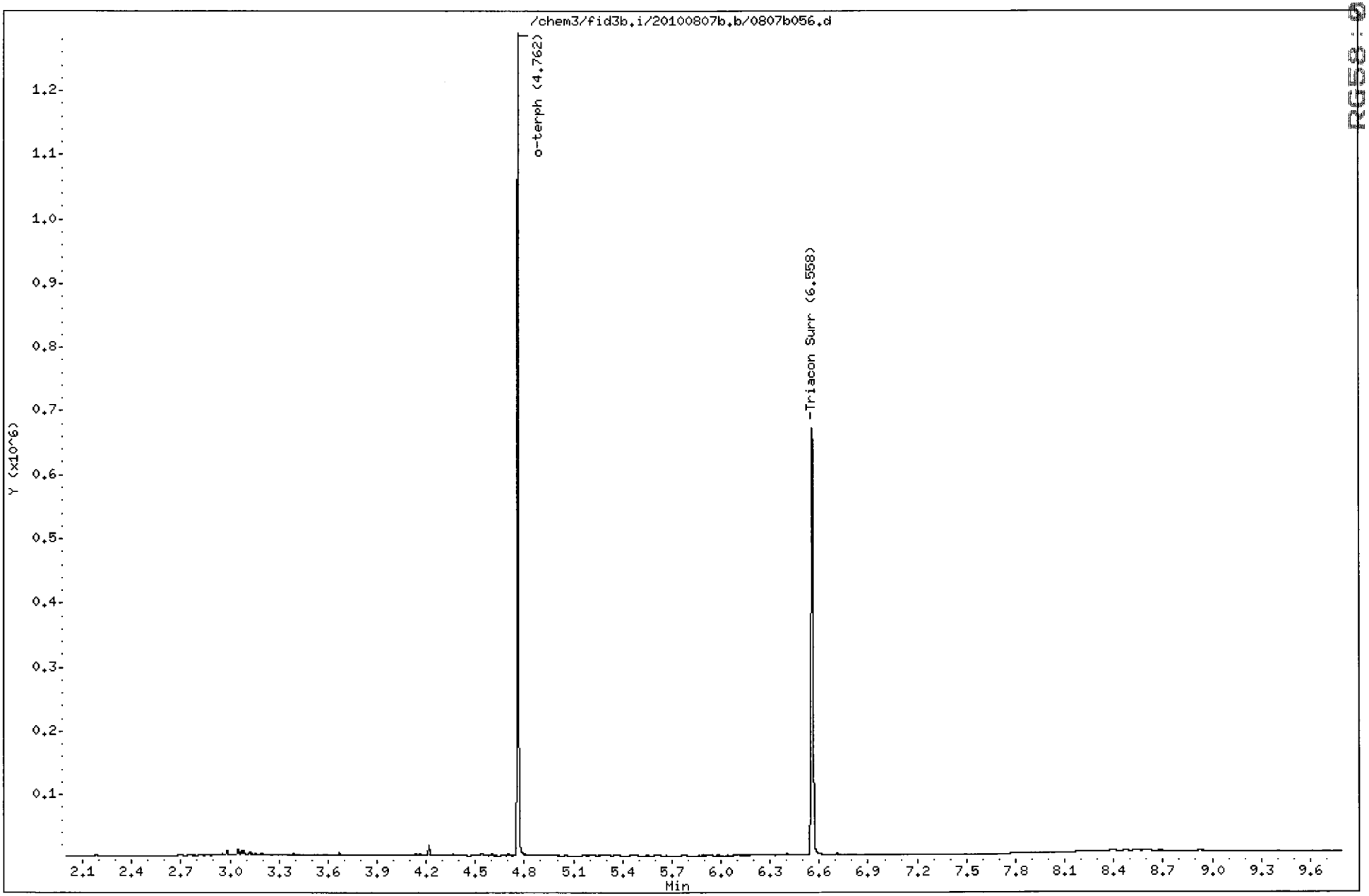
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RC58-91132



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b057.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58E
Client ID: PSB22-17-19-072910
Injection: 08-AUG-2010 04:29
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	124559	5
C8	----				DIESEL (C12-C24)	201064	9
C10	2.857	0.002	2487	2591	M.OIL (C24-C38)	123220	10
C12	3.467	0.001	1703	502	AK-102 (C10-C25)	302294	13
C14	3.917	-0.008	1699	1176	AK-103 (C25-C36)	90430	10
C16	4.327	0.006	3117	4174	OR.DIES (C10-C28)	315479	15
C18	4.675	0.001	1584	907	OR.MOIL (C28-C40)	153885	14
C20	5.005	0.008	1124	309			
C22	5.293	-0.001	878	271	STODDARD (C8-C12)	124559	5
C24	5.606	0.002	765	160			
C25	5.771	0.008	971	764			
C26	5.926	0.002	661	835			
C28	6.242	-0.003	909	966			
C32	6.866	0.011	1794	4573			
C34	7.139	-0.003	1559	2677	CREOSOT (C8-C22)	313668	49
Filter Peak	----						
C36	7.414	0.000	1704	1193	BUNKERC (C10-C38)	424492	49
o-terph	4.762	0.000	1305118	705776	JET-A (C10-C18)	248809	16
Triacon Surr	6.557	-0.007	631771	579620	IT.MOIL (C24-C40)	747712	35

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	705776	35.4	78.7
Triacontane	579620	34.7	77.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

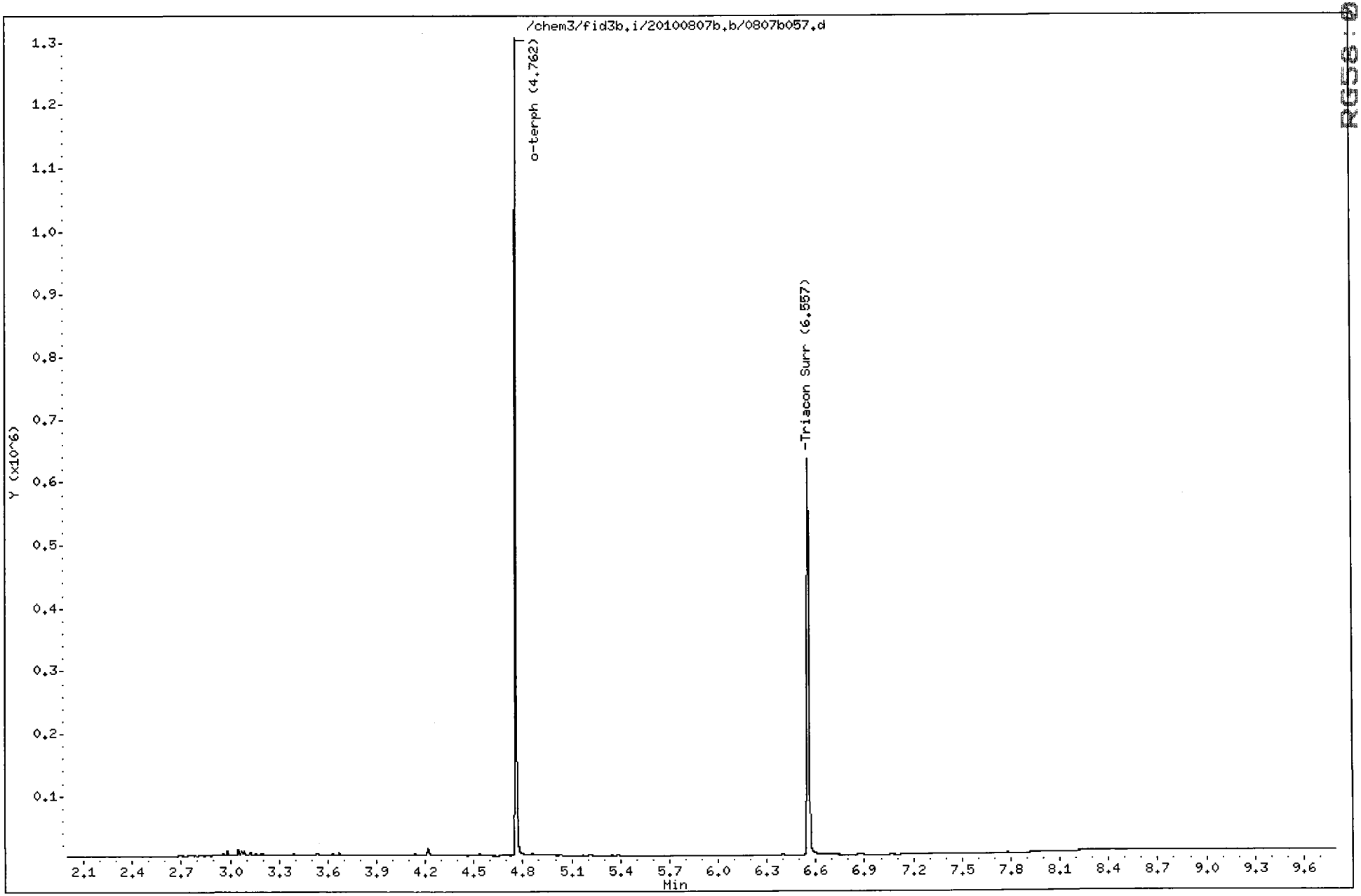
Data File: /chem3/fid3b.i/20100807b.b/0807b057.d
Date : 08-AUG-2010 04:29
Client ID: PSB22-17-19-072910
Sample Info: RG58E

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01191



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b058.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58F
Client ID: PSB22-19-20-072910
Injection: 08-AUG-2010 04:48
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	125187	5
C8	----				DIESEL (C12-C24)	185425	9
C10	2.856	0.001	2383	2688	M.OIL (C24-C38)	112504	9
C12	3.462	-0.003	1568	813	AK-102 (C10-C25)	286017	12
C14	3.919	-0.006	1463	798	AK-103 (C25-C36)	81509	9
C16	4.326	0.005	2310	3261	OR.DIES (C10-C28)	298639	14
C18	4.677	0.003	1556	1498	OR.MOIL (C28-C40)	142802	13
C20	4.996	-0.001	1112	625			
C22	5.292	-0.003	742	257	STODDARD (C8-C12)	125187	5
C24	5.600	-0.004	581	337			
C25	5.758	-0.005	355	148			
C26	5.928	0.003	575	805			
C28	6.245	0.000	891	1326			
C32	6.844	-0.012	926	290			
C34	7.140	-0.002	1253	1482	CREOSOT (C8-C22)	300187	47
Filter Peak	----						
C36	7.417	0.002	1585	408	BUNKERC (C10-C38)	397609	46
o-terph	4.763	0.000	1388678	745796	JET-A (C10-C18)	240740	15
Triacon Surr	6.561	-0.003	675645	617042	IT.MOIL (C24-C40)	773378	36

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	745796	37.4	83.1
Triacontane	617042	36.9	82.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

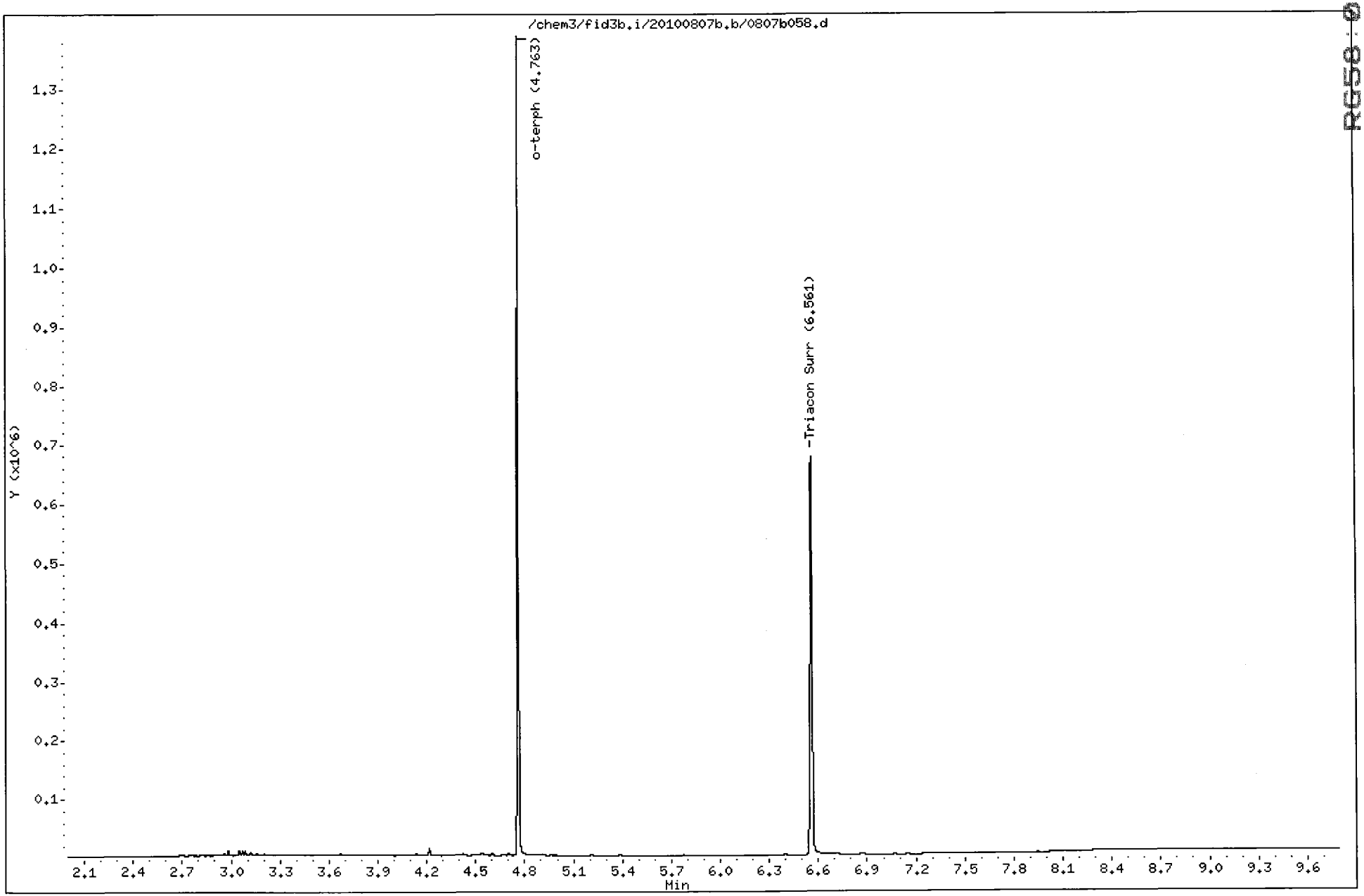
Data File: /chem3/fid3b.i/20100807b.b/0807b058.d
Date : 08-AUG-2010 04:48
Client ID: PSB22-19-20-072910
Sample Info: RG58F

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58 - 61136



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b059.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58G
Client ID: PSB23-0-0.5-072910
Injection: 08-AUG-2010 05:07
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	163117	6
C8	----				DIESEL (C12-C24)	306385	14
C10	2.859	0.004	2521	2655	M.OIL (C24-C38)	2084199	173
C12	3.464	-0.002	1286	374	AK-102 (C10-C25)	400661	17
C14	3.925	0.000	1223	360	AK-103 (C25-C36)	1970993	221
C16	4.319	-0.002	2328	2947	OR.DIES (C10-C28)	932672	44
C18	4.675	0.001	2762	2641	OR.MOIL (C28-C40)	1630066	145
C20	4.998	0.001	3768	2342			
C22	5.295	0.001	7060	8074	STODDARD (C8-C12)	163117	6
C24	5.602	-0.002	12421	13801			
C25	5.762	-0.001	46264	45271			
C26	5.922	-0.003	21068	25554			
C28	6.243	-0.002	38742	44108			
C32	6.854	-0.001	23920	32302			
C34	7.138	-0.004	12334	10291	CREOSOT (C8-C22)	378454	59
Filter Peak	----						
C36	7.410	-0.004	8367	6726	BUNKERC (C10-C38)	2471012	286
o-terph	4.760	-0.002	1095689	598991	JET-A (C10-C18)	192955	12
Triacon Surr	6.558	-0.006	581598	466291	IT.MOIL (C24-C40)	2642217	123

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	598991	30.0	66.8
Triacontane	466291	27.9	62.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/10/10

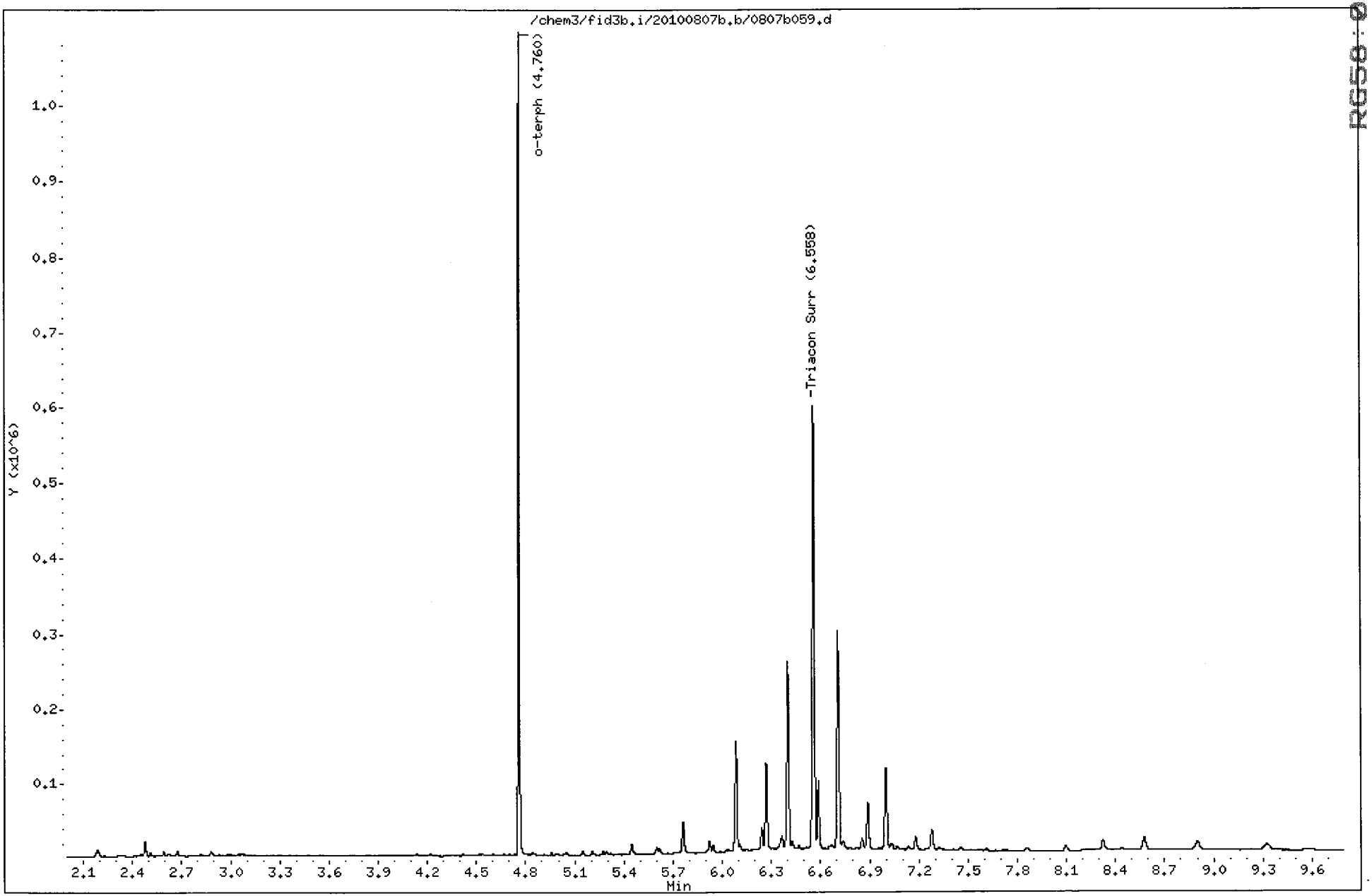
Data File: /chem3/fid3b.i/20100807b.b/0807b059.d
Date : 08-AUG-2010 05:07
Client ID: PSB23-0-0.5-072910
Sample Info: RG58G

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01138



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b060.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58H
Client ID: PSB23-1.5-2-072910
Injection: 08-AUG-2010 05:26
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	164526	6
C8	----				DIESEL (C12-C24)	646161	30
C10	2.855	0.000	2961	3174	M.OIL (C24-C38)	1071046	89
C12	3.467	0.001	1444	257	AK-102 (C10-C25)	771044	32
C14	3.923	-0.002	1506	237	AK-103 (C25-C36)	976211	109
C16	4.321	0.000	3018	1846	OR.DIES (C10-C28)	1103949	52
C18	4.676	0.002	4349	3546	OR.MOIL (C28-C40)	796787	71
C20	4.986	-0.011	45372	29775			
C22	5.295	0.000	11945	6977	STODDARD (C8-C12)	164526	6
C24	5.605	0.001	7257	7786			
C25	5.765	0.002	10413	8892			
C26	5.920	-0.005	7263	5270			
C28	6.241	-0.004	12762	16736			
C32	6.854	-0.002	11854	17101			
C34	7.145	0.002	8005	7778	CREOSOT (C8-C22)	691076	108
Filter Peak	----						
C36	7.416	0.001	6137	3426	BUNKERC (C10-C38)	1825382	211
o-terph	4.761	-0.002	1154194	631260	JET-A (C10-C18)	255102	16
Triacon Surr	6.558	-0.006	575041	477422	IT.MOIL (C24-C40)	1623822	76

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	631260	31.7	70.4
Triacontane	477422	28.5	63.4

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b060.d

Date : 08-AUG-2010 05:26

Client ID: PSB23-1.5-2-072910

Sample Info: RG58H

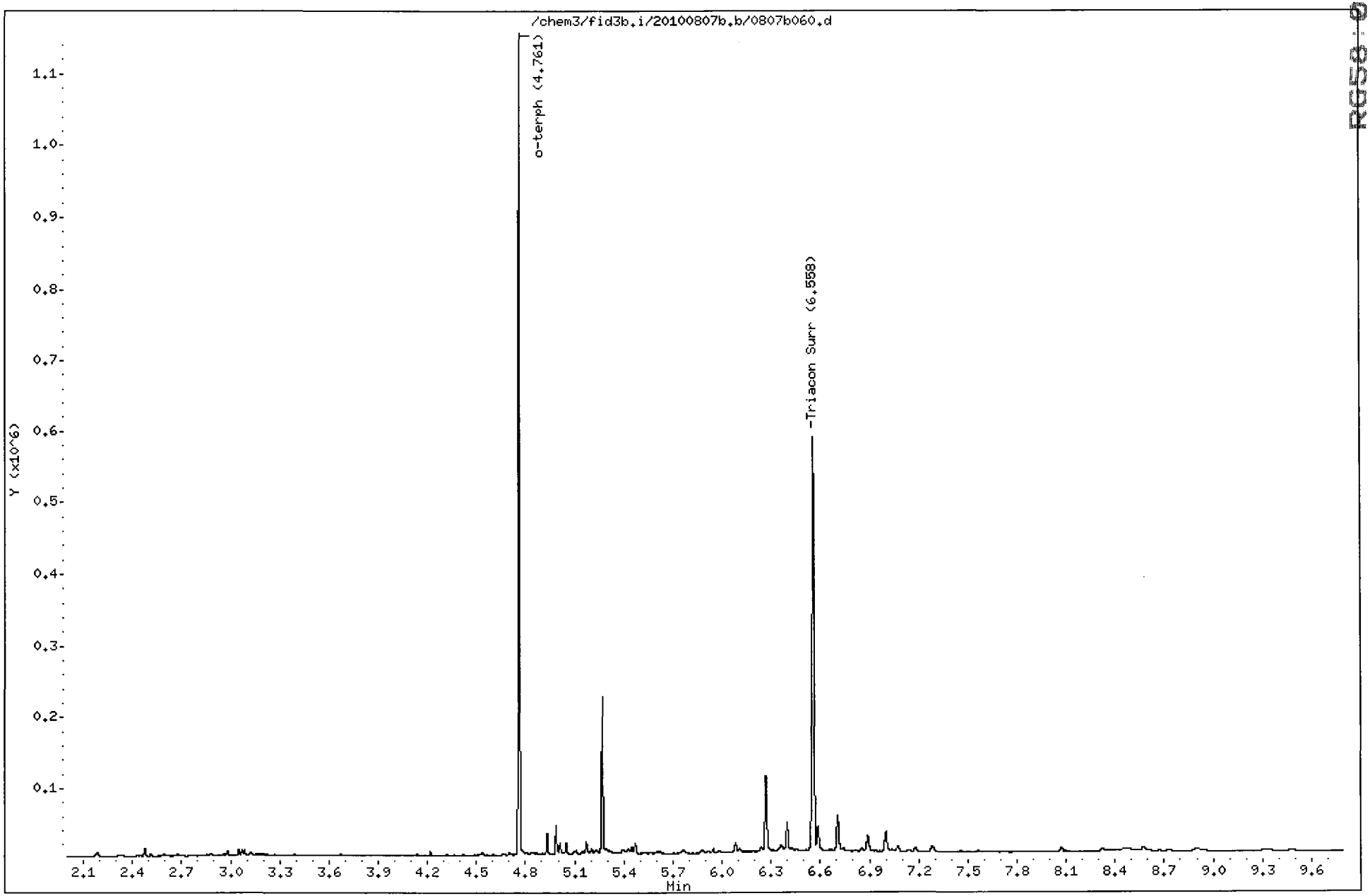
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58 - 91149



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b061.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: DIESEL#6
Client ID: DIESEL#6
Injection: 08-AUG-2010 05:45
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	752430	28
C8	----				DIESEL (C12-C24)	5054270	236
C10	2.855	0.000	25563	19070	M.OIL (C24-C38)	108524	9
C12	3.466	0.000	62735	48634	AK-102 (C10-C25)	5674046	235
C14	3.923	-0.002	135064	109190	AK-103 (C25-C36)	75024	8
C16	4.320	-0.001	228610	184263	OR.DIES (C10-C28)	5716156	271
C18	4.674	0.001	199317	160566	OR.MOIL (C28-C40)	87668	8
C20	4.996	-0.001	120456	101248			
C22	5.295	0.000	46705	52923	STODDARD (C8-C12)	752430	27
C24	5.603	-0.001	10830	16711			
C25	5.768	0.005	4048	4422			
C26	5.923	-0.001	1209	189			
C28	6.247	0.003	255	96			
C32	6.867	0.011	2203	2704			
C34	7.138	-0.004	433	232	CREOSOT (C8-C22)	5640429	882
Filter Peak	----						
C36	7.411	-0.004	868	155	BUNKERC (C10-C38)	5769174	667
o-terph	4.764	0.001	1607987	843760	JET-A (C10-C18)	4155396	262
Triacon Surr	6.565	0.001	157	36	IT.MOIL (C24-C40)	143209	7

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	843760	42.3	94.1
Triacontane	36	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

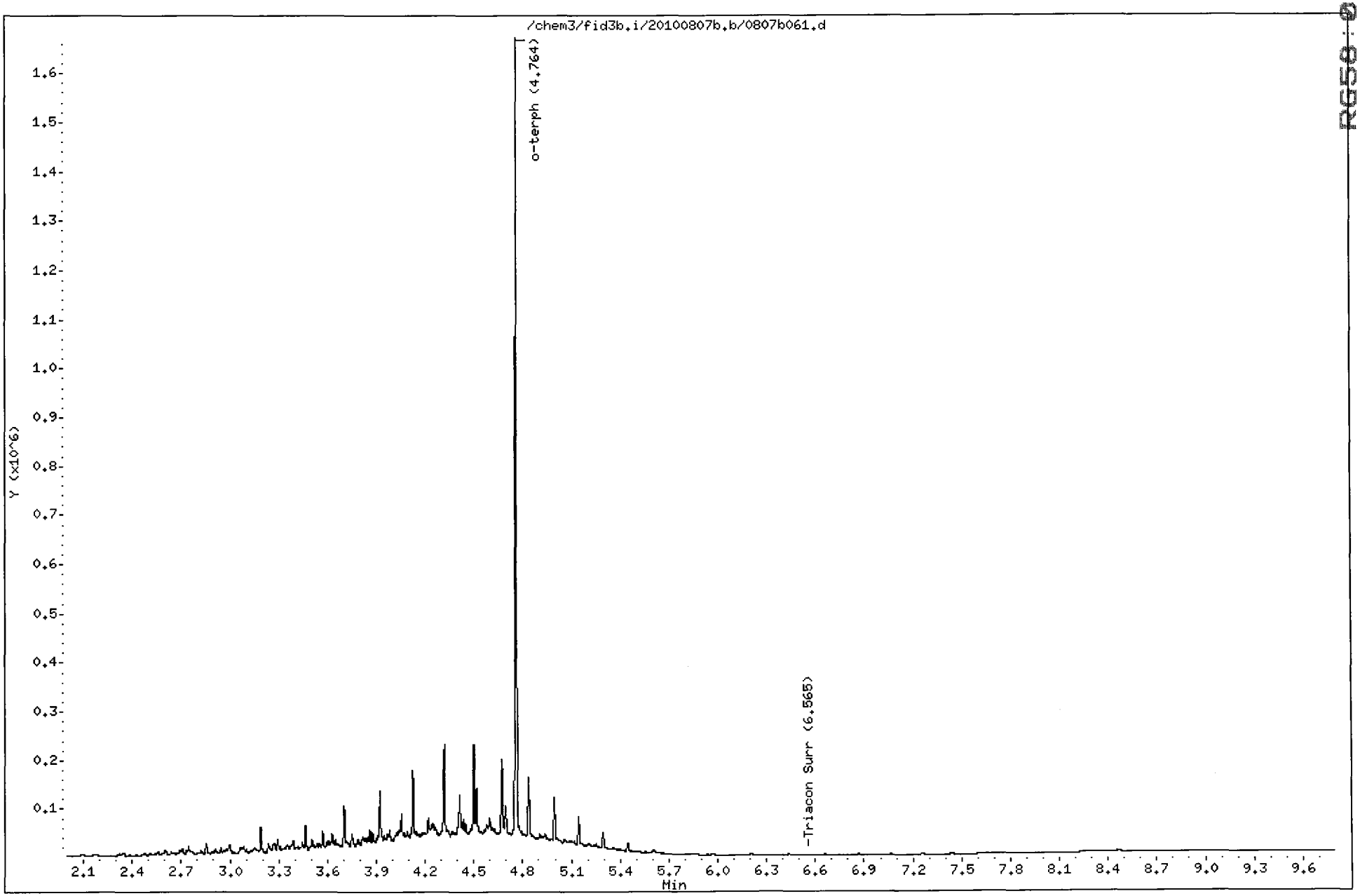
Analyst _____ Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b061.d
Date : 08-AUG-2010 05:45
Client ID: DIESEL#6
Sample Info: DIESEL#6

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58: 01 1 42



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b062.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: MOIL#6
Client ID: MOIL#6
Injection: 08-AUG-2010 06:04
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	52760	2
C8	----				DIESEL (C12-C24)	659966	31
C10	2.856	0.001	1184	1392	M.OIL (C24-C38)	5312867	440
C12	3.465	-0.001	762	238	AK-102 (C10-C25)	795853	33
C14	3.927	0.002	567	131	AK-103 (C25-C36)	4678648	524
C16	4.321	0.000	401	92	OR.DIES (C10-C28)	2085494	99
C18	4.678	0.004	770	486	OR.MOIL (C28-C40)	4274745	379
C20	4.998	0.001	4124	2333			
C22	5.294	-0.001	14389	2791	STODDARD (C8-C12)	52760	2
C24	5.603	-0.001	26437	16559			
C25	5.762	-0.001	31514	8009			
C26	5.925	0.001	36703	21941			
C28	6.242	-0.002	44972	20220			
C32	6.852	-0.003	53664	39694			
C34	7.143	0.001	54658	14929	CREOSOT (C8-C22)	305179	48
Filter Peak	----						
C36	7.415	0.000	44256	31758	BUNKERC (C10-C38)	6010477	695
o-terph	4.762	-0.001	2820	2586	JET-A (C10-C18)	76986	5
Triacon Surr	6.559	-0.005	851398	731915	IT.MOIL (C24-C40)	6394544	298

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	2586	0.1	0.3
Triacontane	731915	43.8	97.2

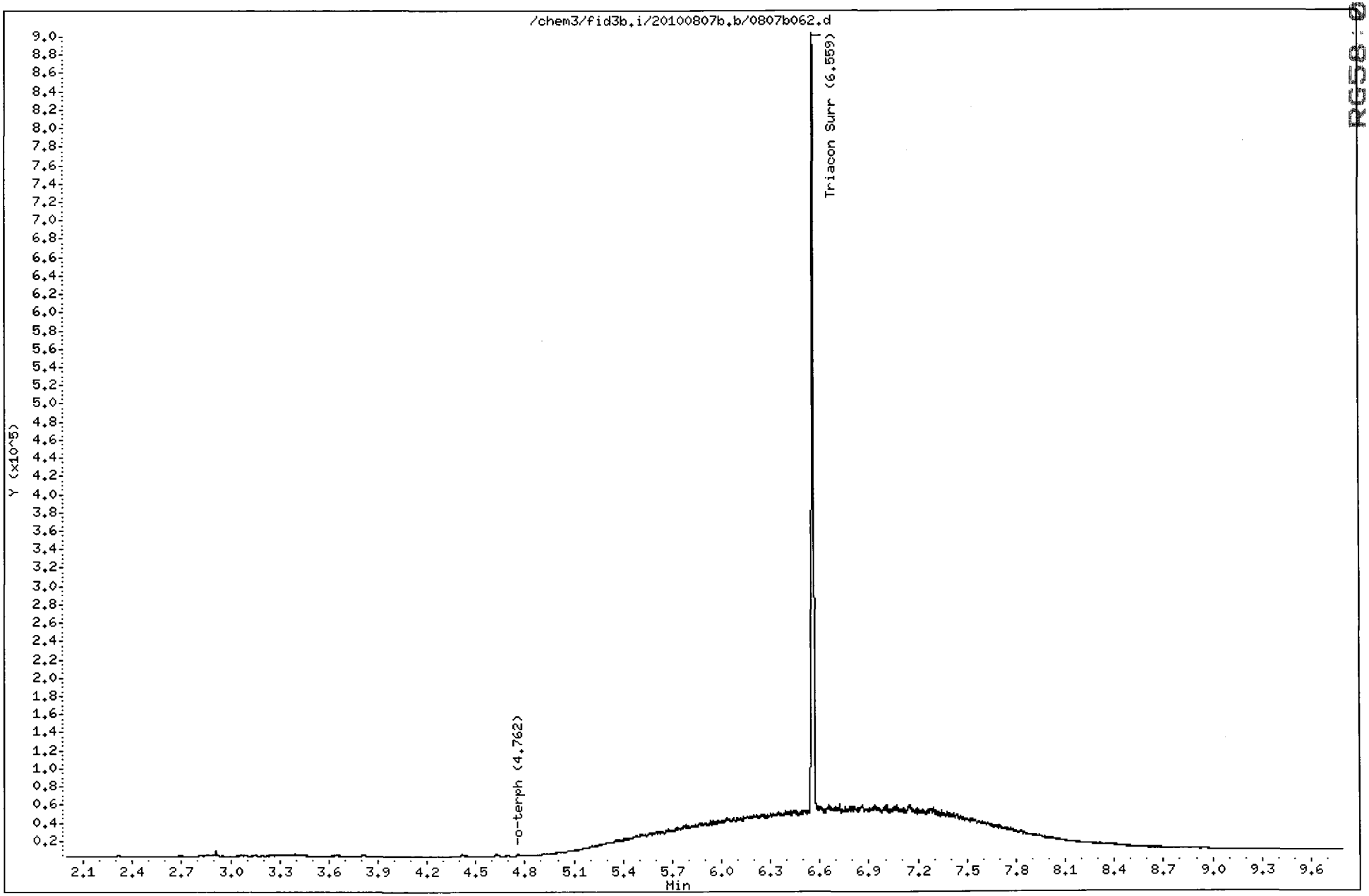
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst: Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b062.d
Date : 08-AUG-2010 06:04
Client ID: MOIL#6
Sample Info: MOIL#6

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b063.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58I
Client ID: PSB23-2-4-072910
Injection: 08-AUG-2010 06:23
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	197920	7
C8	----				DIESEL (C12-C24)	307734	14
C10	2.857	0.002	2871	3604	M.OIL (C24-C38)	1001755	83
C12	3.458	-0.008	1942	1257	AK-102 (C10-C25)	445062	18
C14	3.927	0.002	2417	521	AK-103 (C25-C36)	920368	103
C16	4.317	-0.004	2636	3178	OR.DIES (C10-C28)	703435	33
C18	4.663	-0.010	3428	4162	OR.MOIL (C28-C40)	798573	71
C20	4.998	0.001	2582	704			
C22	5.296	0.002	4668	3694	STODDARD (C8-C12)	197920	7
C24	5.604	0.000	4599	2957			
C25	5.763	0.000	7702	13163			
C26	5.921	-0.003	6050	6897			
C28	6.239	-0.005	12473	18076			
C32	6.852	-0.004	10751	11387			
C34	7.138	-0.004	7864	5259	CREOSOT (C8-C22)	440383	69
Filter Peak	----						
C36	7.413	-0.002	5508	2380	BUNKERC (C10-C38)	1435208	166
o-terph	4.761	-0.001	1249399	715473	JET-A (C10-C18)	284421	18
Triacon Surr	6.559	-0.005	623857	562381	IT.MOIL (C24-C40)	1630936	76

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	715473	35.9	79.8
Triacontane	562381	33.6	74.7

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

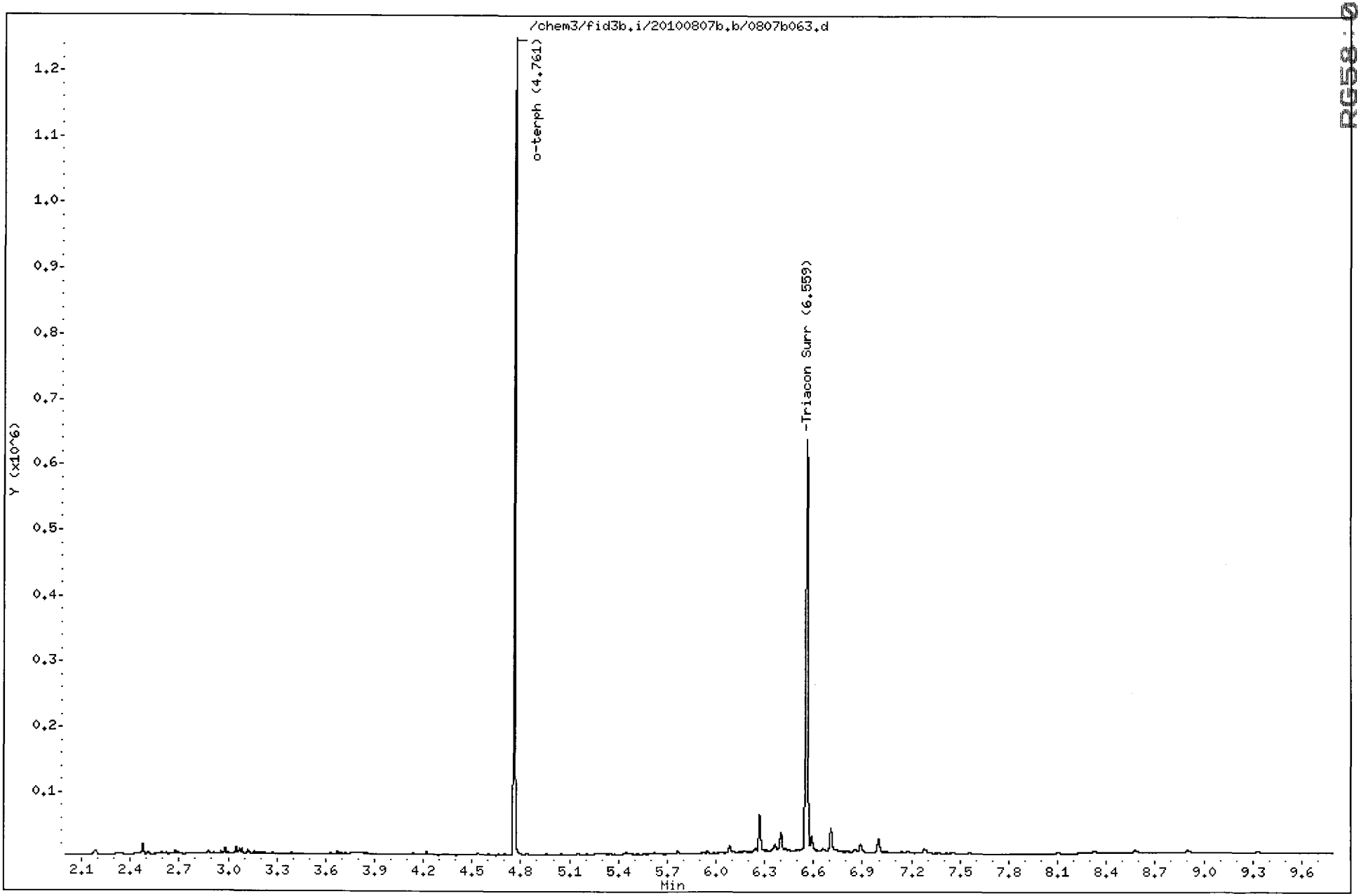
Data File: /chem3/fid3b.i/20100807b.b/0807b063.d
Date : 08-AUG-2010 06:23
Client ID: PSB23-2-4-072910
Sample Info: RG58I

Column phase: RTX-1

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

RG58-061116



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b064.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58IMS
Client ID: PSB23-2-4-07291 MS
Injection: 08-AUG-2010 06:42
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3278039	120
C8	----				DIESEL (C12-C24)	23493496	1098
C10	2.855	0.000	114901	82276	M.OIL (C24-C38)	1170026	97
C12	3.466	0.001	330124	224278	AK-102 (C10-C25)	26236542	1088
C14	3.925	0.000	606265	560321	AK-103 (C25-C36)	1027944	115
C16	4.324	0.003	1065352	999652	OR.DIES (C10-C28)	26667631	1264
C18	4.677	0.004	901237	837911	OR.MOIL (C28-C40)	734473	65
C20	4.999	0.002	577193	569132			
C22	5.296	0.002	270406	232917	STODDARD (C8-C12)	3278039	118
C24	5.602	-0.003	75995	82598			
C25	5.761	-0.002	40065	48726			
C26	5.922	-0.002	18709	22007			
C28	6.241	-0.003	13323	17476			
C32	6.855	-0.001	10547	9534			
C34	7.139	-0.003	7369	6646	CREOSOT (C8-C22)	25877019	4046
Filter Peak	----						
C36	7.413	-0.001	5665	3441	BUNKERC (C10-C38)	27335665	3163
o-terph	4.764	0.001	1278448	681493	JET-A (C10-C18)	19005020	1199
Triacon Surr	6.558	-0.006	646962	571039	IT.MOIL (C24-C40)	1807504	84

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/10/10

Surrogate	Area	Amount	%Rec
o-Terphenyl	681493	34.2	76.0
Triacontane	571039	34.1	75.9

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b064.d

Date : 08-AUG-2010 06:42

Client ID: PSB23-2-4-07291 MS

Sample Info: RG58IMS

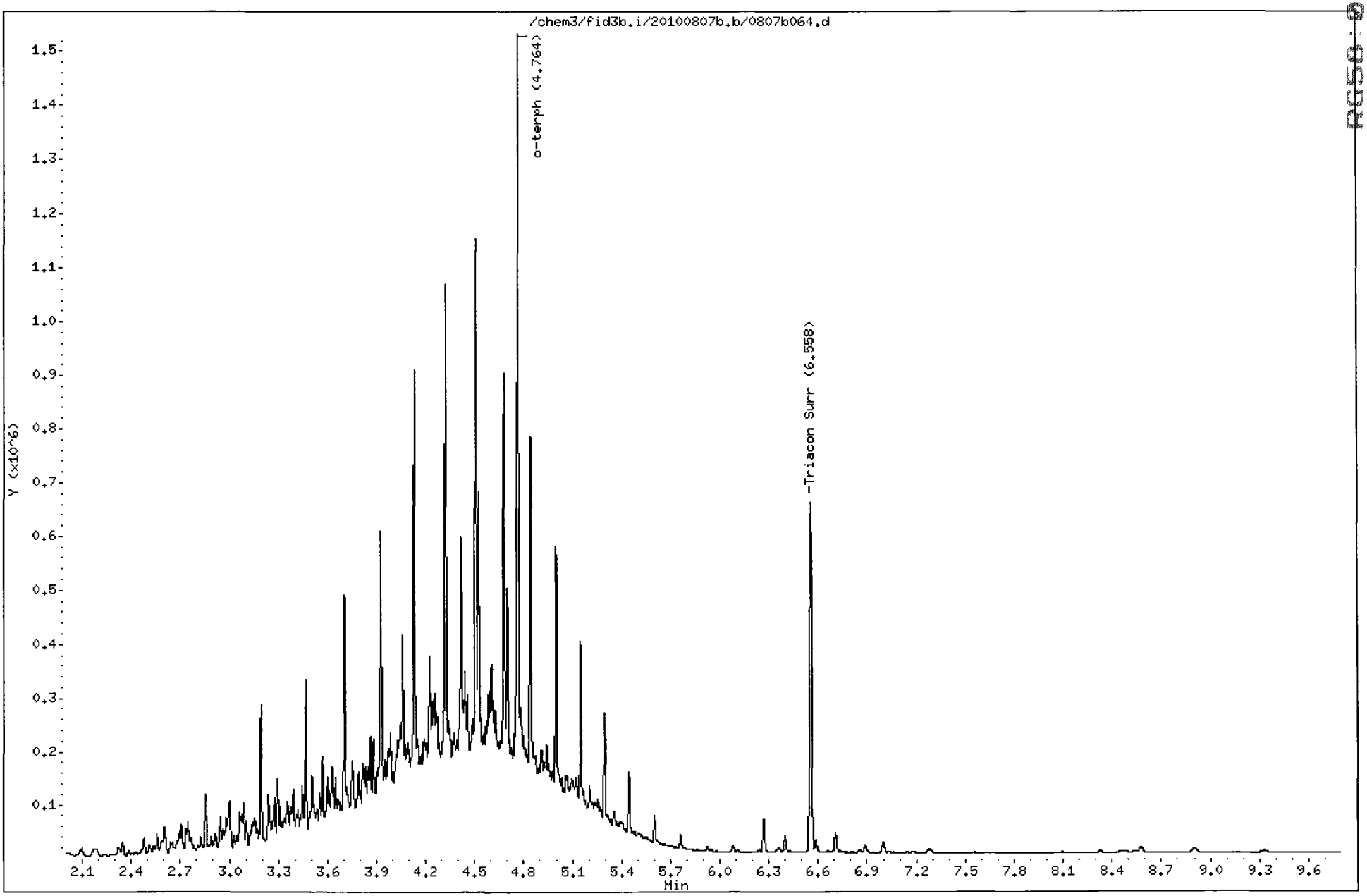
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58-011118



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b065.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58IMSD
Client ID: PSB23-2-4-07291 MSD
Injection: 08-AUG-2010 07:01
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3432906	125
C8	----				DIESEL (C12-C24)	25109582	1173
C10	2.856	0.000	119327	87213	M.OIL (C24-C38)	1248533	103
C12	3.466	0.000	334169	240366	AK-102 (C10-C25)	27995809	1161
C14	3.925	0.000	653178	467847	AK-103 (C25-C36)	1089378	122
C16	4.323	0.002	1159897	978264	OR.DIES (C10-C28)	28436484	1348
C18	4.677	0.003	1052723	833363	OR.MOIL (C28-C40)	799796	71
C20	4.999	0.002	637242	500028			
C22	5.295	0.000	304689	243660	STODDARD (C8-C12)	3432906	124
C24	5.602	-0.002	90561	110940			
C25	5.762	-0.001	44315	52665			
C26	5.922	-0.003	19870	20363			
C28	6.243	-0.001	14641	16065			
C32	6.856	0.000	10671	6047			
C34	7.146	0.003	7740	7620	CREOSOT (C8-C22)	27569052	4310
Filter Peak	----						
C36	7.418	0.004	6600	5086	BUNKERC (C10-C38)	29163744	3374
o-terph	4.764	0.001	1395659	705656	JET-A (C10-C18)	20182854	1274
Triacon Surr	6.559	-0.005	684362	625052	IT.MOIL (C24-C40)	1946122	91

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	705656	35.4	78.7
Triacontane	625052	37.4	83.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/12/10

Data File: /chem3/fid3b.i/20100807b.b/0807b065.d

Date : 08-AUG-2010 07:01

Client ID: PSB23-2-4-07291 MSD

Sample Info: RG58IMSD

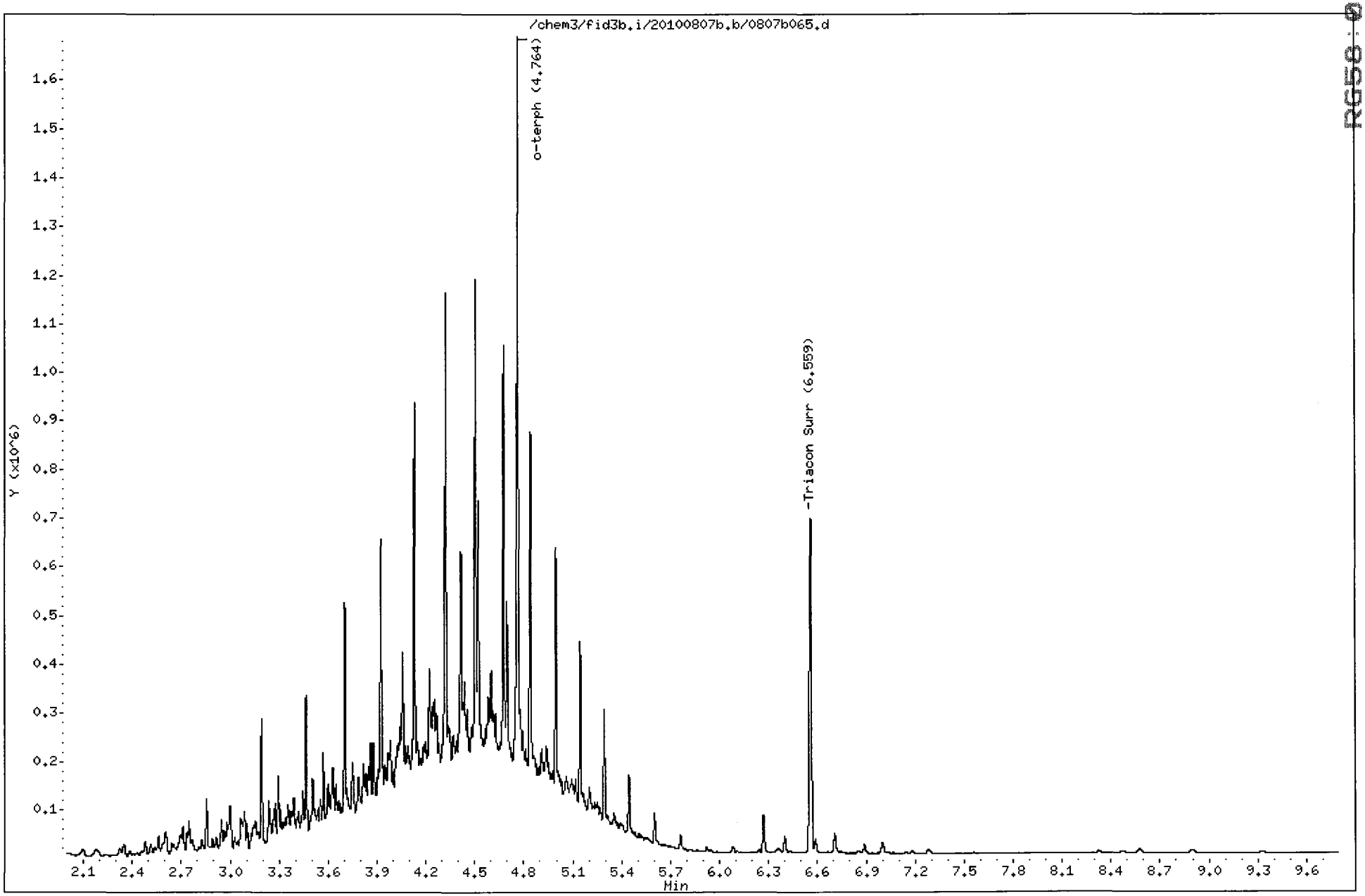
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58-01150



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b066.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58J
Client ID: PSB23-4-6-072910
Injection: 08-AUG-2010 07:20
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	174241	6
C8	----				DIESEL (C12-C24)	258259	12
C10	2.857	0.002	2807	2986	M.OIL (C24-C38)	449384	37
C12	3.466	0.000	1647	516	AK-102 (C10-C25)	386518	16
C14	3.926	0.001	1804	459	AK-103 (C25-C36)	394593	44
C16	4.319	-0.002	3953	3144	OR.DIES (C10-C28)	500335	24
C18	4.672	-0.001	2616	449	OR.MOIL (C28-C40)	381068	34
C20	5.001	0.004	3219	3013			
C22	5.297	0.002	6309	7898	STODDARD (C8-C12)	174241	6
C24	5.604	0.000	4231	5047			
C25	5.764	0.001	4434	6284			
C26	5.926	0.002	3371	1883			
C28	6.241	-0.003	5381	6343			
C32	6.855	-0.001	5248	3036			
C34	7.141	-0.001	3905	2531	CREOSOT (C8-C22)	389985	61
Filter Peak	----						
C36	7.416	0.002	3423	2364	BUNKERC (C10-C38)	828833	96
o-terph	4.762	0.000	1270951	712317	JET-A (C10-C18)	260966	16
Triacon Surr	6.558	-0.006	730755	601818	IT.MOIL (C24-C40)	1103772	51

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	712317	35.7	79.4
Triacontane	601818	36.0	80.0

8/10/10

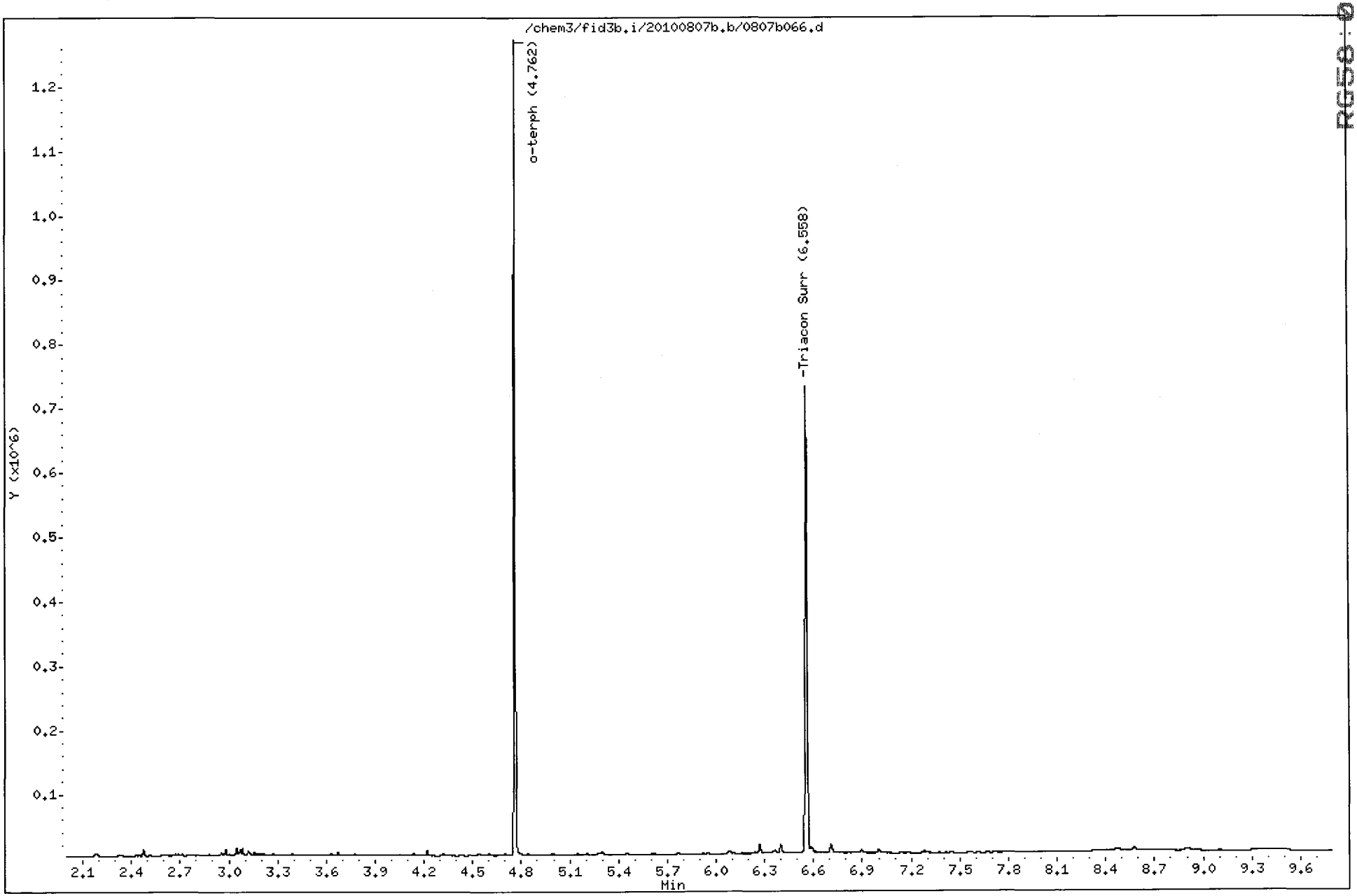
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b066.d
Date : 08-AUG-2010 07:20
Client ID: PSB23-4-6-072910
Sample Info: RG58J

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01152



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b067.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58K
Client ID: PSB23-14-16.5-07291
Injection: 08-AUG-2010 07:39
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	144885	5
C8	----				DIESEL (C12-C24)	205550	10
C10	2.856	0.001	2550	2704	M.OIL (C24-C38)	180202	15
C12	3.468	0.003	1682	334	AK-102 (C10-C25)	324019	13
C14	3.925	0.000	1421	465	AK-103 (C25-C36)	150047	17
C16	4.324	0.003	2235	1114	OR.DIES (C10-C28)	364179	17
C18	4.674	0.001	2014	1891	OR.MOIL (C28-C40)	172777	15
C20	5.002	0.005	1640	406			
C22	5.293	-0.002	2119	993	STODDARD (C8-C12)	144885	5
C24	5.608	0.004	1578	1672			
C25	5.770	0.007	1995	3470			
C26	5.926	0.002	1672	2512			
C28	6.242	-0.003	2621	3813			
C32	6.860	0.005	2850	4089			
C34	7.139	-0.003	1958	1999	CREOSOT (C8-C22)	332444	52
Filter Peak	----						
C36	7.415	0.001	1788	282	BUNKERC (C10-C38)	501933	58
o-terph	4.763	0.000	1505747	798301	JET-A (C10-C18)	250622	16
Triacon Surr	6.559	-0.004	723892	661723	IT.MOIL (C24-C40)	876949	41

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	798301	40.0	89.0
Triacontane	661723	39.6	87.9

8/10/10

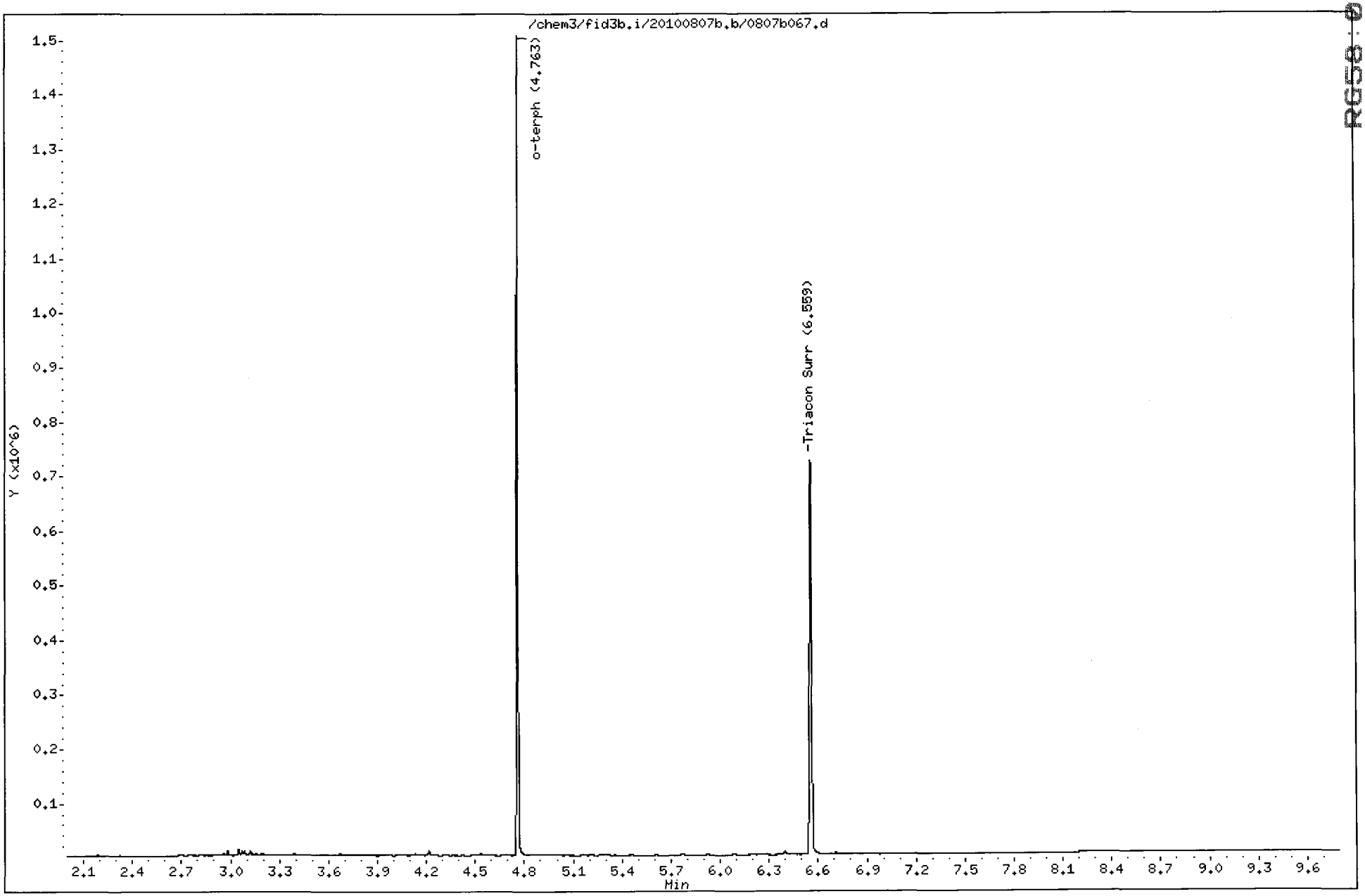
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b067.d
Date : 08-AUG-2010 07:39
Client ID: PSB23-14-16.5-07291
Sample Info: RG58K

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1



RG58-04151

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b068.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58L
Client ID: PSB23-16.5-19-07291
Injection: 08-AUG-2010 07:59
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	148811	5
C8	----				DIESEL (C12-C24)	219199	10
C10	2.856	0.001	2461	2527	M.OIL (C24-C38)	98639	8
C12	3.462	-0.004	2039	517	AK-102 (C10-C25)	340277	14
C14	3.923	-0.002	1658	263	AK-103 (C25-C36)	75757	8
C16	4.325	0.004	4189	5577	OR.DIES (C10-C28)	354769	17
C18	4.674	0.000	2763	2728	OR.MOIL (C28-C40)	114374	10
C20	4.994	-0.003	1274	739			
C22	5.298	0.003	871	268	STODDARD (C8-C12)	148811	5
C24	5.605	0.000	663	597			
C25	5.755	-0.008	292	142			
C26	5.927	0.003	638	868			
C28	6.244	-0.001	1101	876			
C32	6.845	-0.011	840	182			
C34	7.138	-0.004	1129	1137	CREOSOT (C8-C22)	356790	56
Filter Peak	----						
C36	7.412	-0.002	1132	841	BUNKERC (C10-C38)	438124	51
o-terph	4.762	-0.001	1377198	743684	JET-A (C10-C18)	289049	18
Triacon Surr	6.557	-0.006	688024	583135	IT.MOIL (C24-C40)	712792	33

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	743684	37.3	82.9
Triacontane	583135	34.9	77.5

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

8/10/10

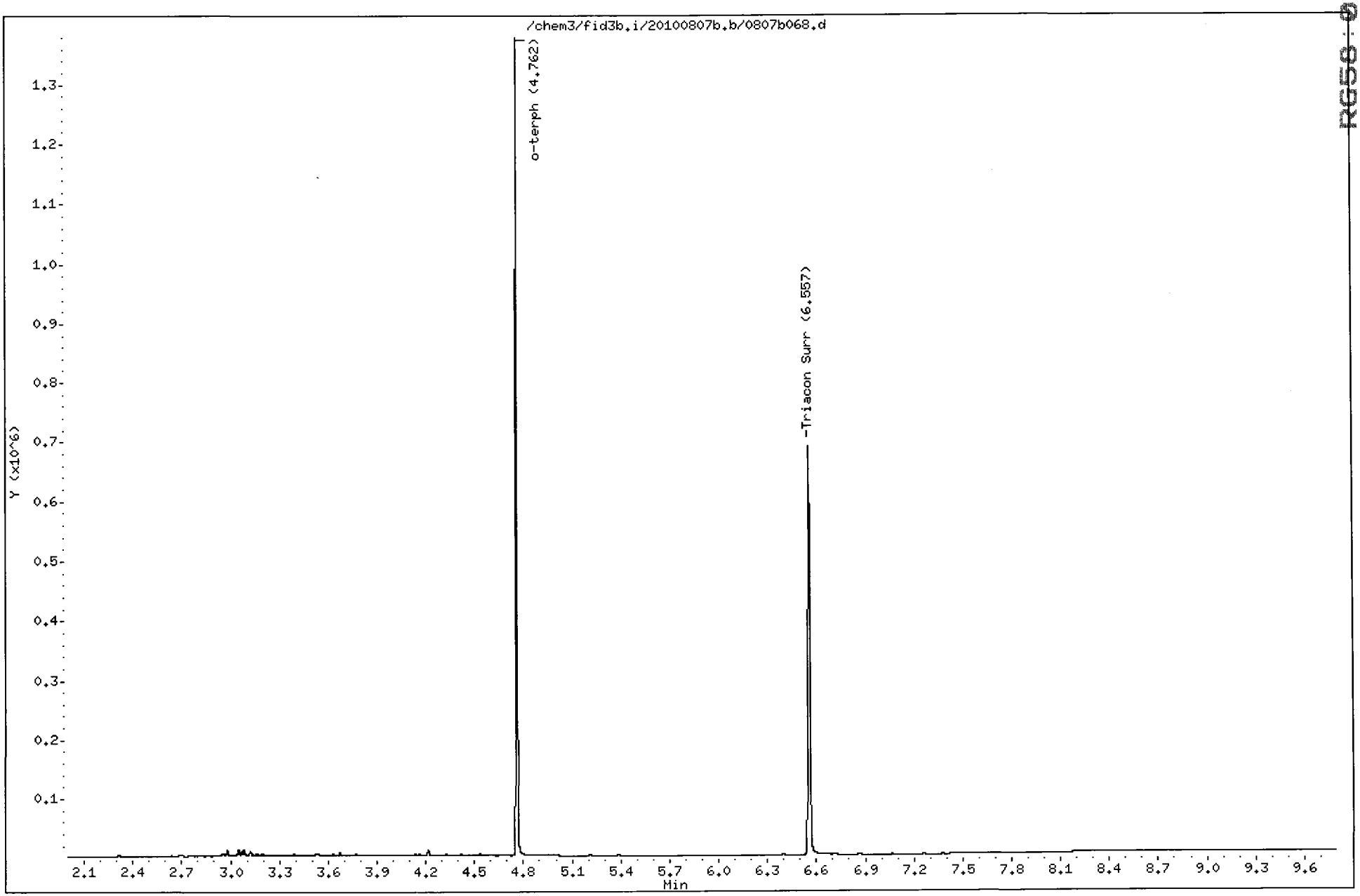
Data File: /chem3/fid3b.i/20100807b.b/0807b068.d
Date : 08-AUG-2010 07:59
Client ID: PSB23-16.5-19-07291
Sample Info: RG58L

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-91156



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b069.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58M
Client ID: PSB24-0-0.5-072910
Injection: 08-AUG-2010 08:18
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	187588	7
C8	----				DIESEL (C12-C24)	391806	18
C10	2.857	0.002	2720	3356	M.OIL (C24-C38)	2088547	173
C12	3.475	0.010	2045	1617	AK-102 (C10-C25)	537242	22
C14	3.919	-0.006	1441	343	AK-103 (C25-C36)	1960774	220
C16	4.318	-0.003	3276	4869	OR.DIES (C10-C28)	1138325	54
C18	4.674	0.001	3677	3421	OR.MOIL (C28-C40)	1554643	138
C20	4.997	0.000	4857	3477			
C22	5.295	0.000	8997	9975	STODDARD (C8-C12)	187588	7
C24	5.601	-0.003	14067	15064			
C25	5.759	-0.004	49175	40871			
C26	5.919	-0.005	21300	26757			
C28	6.241	-0.003	39177	46889			
C32	6.856	0.000	21342	30758			
C34	7.146	0.004	11749	6732	CREOSOT (C8-C22)	469461	73
Filter Peak	----						
C36	7.412	-0.002	9511	5486	BUNKERC (C10-C38)	2607610	302
o-terph	4.760	-0.002	1180742	619857	JET-A (C10-C18)	273656	17
Triacon Surr	6.556	-0.007	575113	478339	IT.MOIL (C24-C40)	2652243	123

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	619857	31.1	69.1
Triacontane	478339	28.6	63.6

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

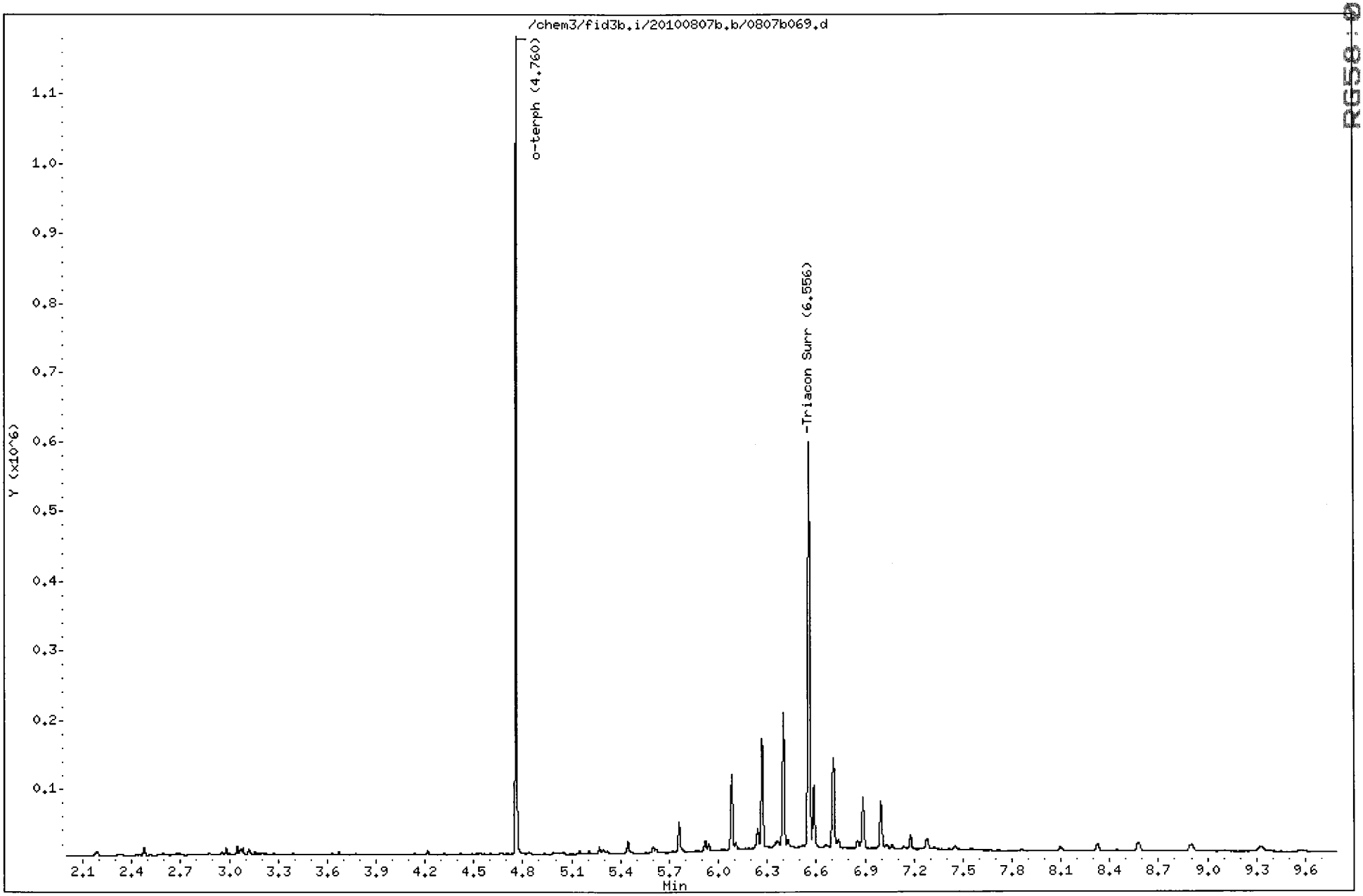
Analyst _____ Date 8/10/10

Data File: /chem3/fid3b.i/20100807b.b/0807b069.d
Date : 08-AUG-2010 08:18
Client ID: PSB24-0-0.5-072910
Sample Info: RG58M

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-091158



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b070.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58N
Client ID: PSB24-1.5-2-072910
Injection: 08-AUG-2010 08:37
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	133042	5
C8	----				DIESEL (C12-C24)	133886	6
C10	2.859	0.004	1959	2063	M.OIL (C24-C38)	246054	20
C12	3.457	-0.008	1396	1575	AK-102 (C10-C25)	207129	9
C14	3.925	0.000	917	268	AK-103 (C25-C36)	211439	24
C16	4.319	-0.002	2866	2078	OR.DIES (C10-C28)	260711	12
C18	4.675	0.001	1369	1263	OR.MOIL (C28-C40)	228073	20
C20	5.003	0.006	1201	690			
C22	5.296	0.001	1974	427	STODDARD (C8-C12)	133042	5
C24	5.608	0.004	2092	2479			
C25	5.767	0.004	2714	3849			
C26	5.925	0.001	2291	3108			
C28	6.243	-0.002	3640	5229			
C32	6.858	0.003	3311	5749			
C34	7.142	0.000	2310	1906	CREOSOT (C8-C22)	248818	39
Filter Peak	----						
C36	7.417	0.002	2104	2413	BUNKERC (C10-C38)	450883	52
o-terph	4.761	-0.002	1295132	699137	JET-A (C10-C18)	152280	10
Triacon Surr	6.558	-0.006	693886	592593	IT.MOIL (C24-C40)	876549	41

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	699137	35.1	77.9
Triacontane	592593	35.4	78.7

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

8/10/10

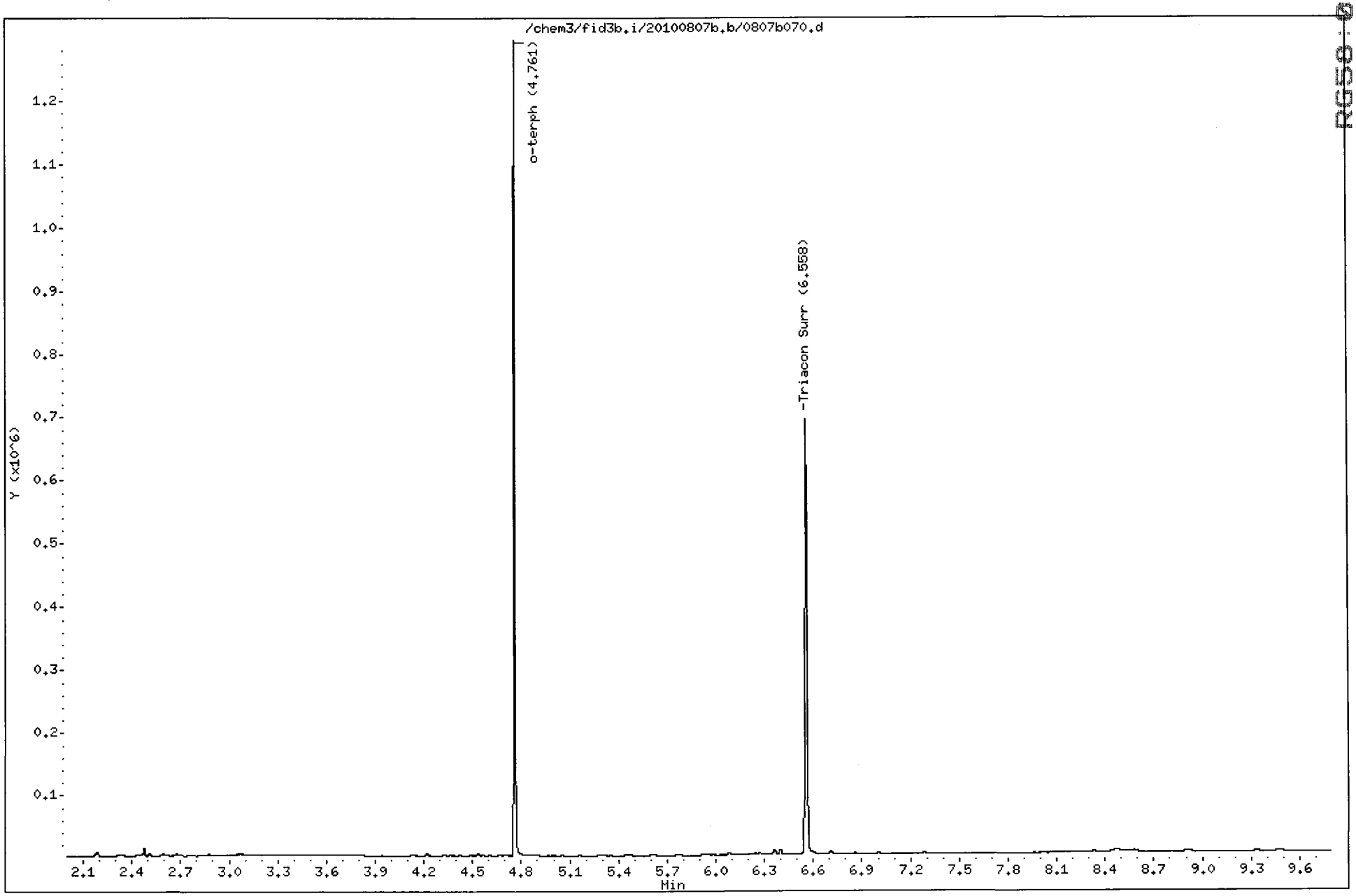
Data File: /chem3/fid3b.i/20100807b.b/0807b070.d
Date : 08-AUG-2010 08:37
Client ID: PSB24-1.5-2-072910
Sample Info: RG58N

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01169



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b071.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG580
Client ID: PSB24-2-4-072910
Injection: 08-AUG-2010 08:56
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	158183	6
C8	----				DIESEL (C12-C24)	179944	8
C10	2.857	0.002	2422	2822	M.OIL (C24-C38)	191268	16
C12	3.462	-0.004	1647	1131	AK-102 (C10-C25)	301367	13
C14	3.923	-0.002	1419	362	AK-103 (C25-C36)	161327	18
C16	4.318	-0.003	1773	2063	OR.DIES (C10-C28)	336236	16
C18	4.674	0.000	1768	1466	OR.MOIL (C28-C40)	189163	17
C20	4.999	0.002	1366	322			
C22	5.295	0.001	1645	351	STODDARD (C8-C12)	158183	6
C24	5.599	-0.005	1219	681			
C25	5.764	0.001	2028	3053			
C26	5.921	-0.003	1634	1269			
C28	6.242	-0.003	3158	3808			
C32	6.859	0.004	3298	6134			
C34	7.141	-0.001	1929	3909	CREOSOT (C8-C22)	319731	50
Filter Peak	----						
C36	7.416	0.001	1654	552	BUNKERC (C10-C38)	490769	57
o-terph	4.764	0.002	2257892	1377080	JET-A (C10-C18)	239752	15
Triacon Surr	6.563	-0.001	1284022	1170151	IT.MOIL (C24-C40)	1396049	65

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1377080	69.1	153.5
Triacontane	1170151	70.0	155.5

= Double Surrogate

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

8/10/10

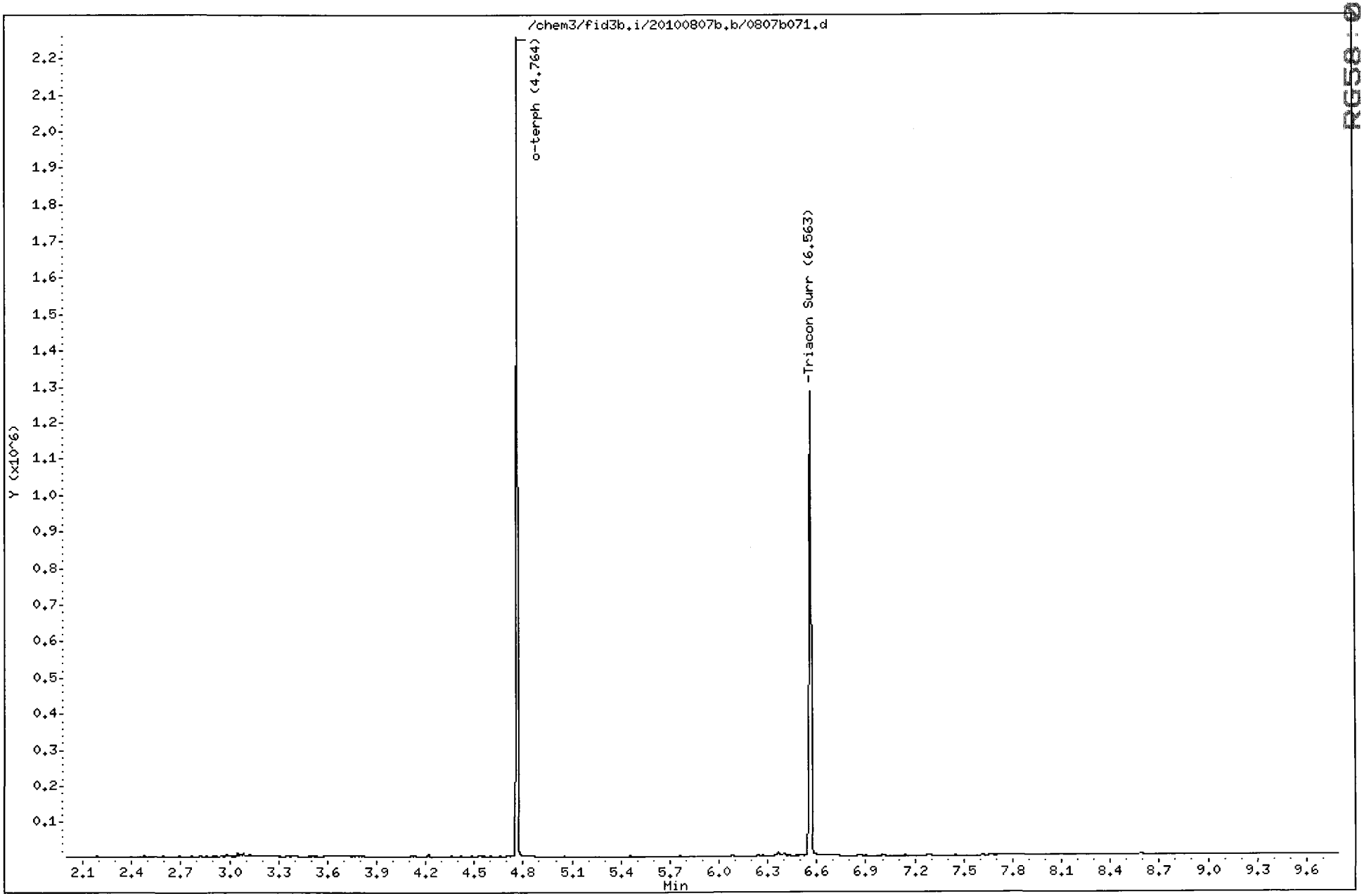
Data File: /chem3/fid3b.i/20100807b.b/0807b071.d
Date : 08-AUG-2010 08:56
Client ID: PSB24-2-4-072910
Sample Info: RG580

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01162



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b072.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58P
Client ID: PSB24-2-4-072910-D
Injection: 08-AUG-2010 09:15
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	177056	6
C8	----				DIESEL (C12-C24)	166478	8
C10	2.856	0.001	2568	3048	M.OIL (C24-C38)	156324	13
C12	3.470	0.004	1630	257	AK-102 (C10-C25)	295943	12
C14	3.929	0.004	1411	305	AK-103 (C25-C36)	129374	14
C16	4.318	-0.003	1456	1603	OR.DIES (C10-C28)	323800	15
C18	4.672	-0.002	1508	206	OR.MOIL (C28-C40)	165058	15
C20	4.993	-0.004	1159	940			
C22	5.289	-0.005	1130	427	STODDARD (C8-C12)	177056	6
C24	5.611	0.006	1452	2136			
C25	5.766	0.003	1738	2098			
C26	5.924	0.000	1468	1249			
C28	6.242	-0.002	2407	2845			
C32	6.858	0.003	2107	1261			
C34	7.143	0.001	1784	2551	CREOSOT (C8-C22)	327952	51
Filter Peak	----						
C36	7.416	0.002	1448	547	BUNKERC (C10-C38)	450800	52
o-terph	4.763	0.000	1361801	772572	JET-A (C10-C18)	243878	15
Triacon Surr	6.558	-0.006	713232	642819	IT.MOIL (C24-C40)	837201	39

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	772572	38.8	86.1
Triacontane	642819	38.4	85.4

8/10/10

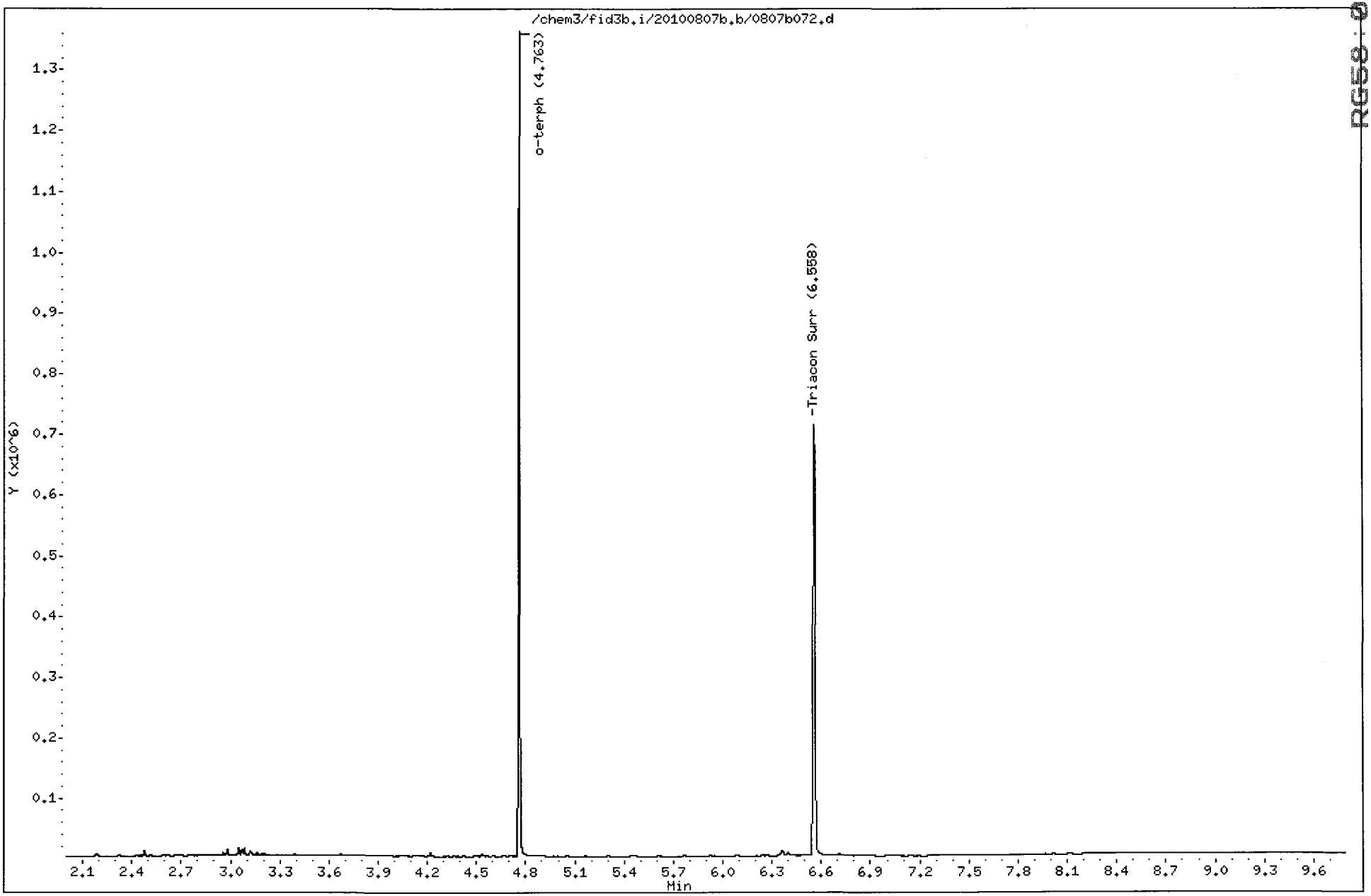
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b072.d
Date : 08-AUG-2010 09:15
Client ID: PSB24-2-4-072910-D
Sample Info: RG58P

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-091611



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b073.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58Q
Client ID: PSB24-4-6-072910
Injection: 08-AUG-2010 09:34
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	259582	9
C8	----				DIESEL (C12-C24)	219446	10
C10	2.858	0.003	3985	5041	M.OIL (C24-C38)	95117	8
C12	3.456	-0.010	3064	3330	AK-102 (C10-C25)	383924	16
C14	3.920	-0.005	2821	3919	AK-103 (C25-C36)	74572	8
C16	4.325	0.004	2999	3579	OR.DIES (C10-C28)	397614	19
C18	4.674	0.000	1619	879	OR.MOIL (C28-C40)	105820	9
C20	5.002	0.005	1052	303			
C22	5.299	0.004	943	446	STODDARD (C8-C12)	259582	9
C24	5.602	-0.002	668	176			
C25	5.770	0.007	972	1056			
C26	5.925	0.001	559	504			
C28	6.241	-0.003	1172	1252			
C32	6.866	0.010	1691	2408			
C34	7.140	-0.002	1218	723	CREOSOT (C8-C22)	469252	73
Filter Peak	----						
C36	7.407	-0.007	995	295	BUNKERC (C10-C38)	478095	55
o-terph	4.761	-0.002	1246764	727340	JET-A (C10-C18)	338144	21
Triacon Surr	6.556	-0.008	671747	604429	IT.MOIL (C24-C40)	724885	34

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	727340	36.5	81.1
Triacontane	604429	36.1	80.3

JM 8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b073.d

Date : 08-AUG-2010 09:34

Client ID: PSB24-4-6-072910

Sample Info: RG58Q

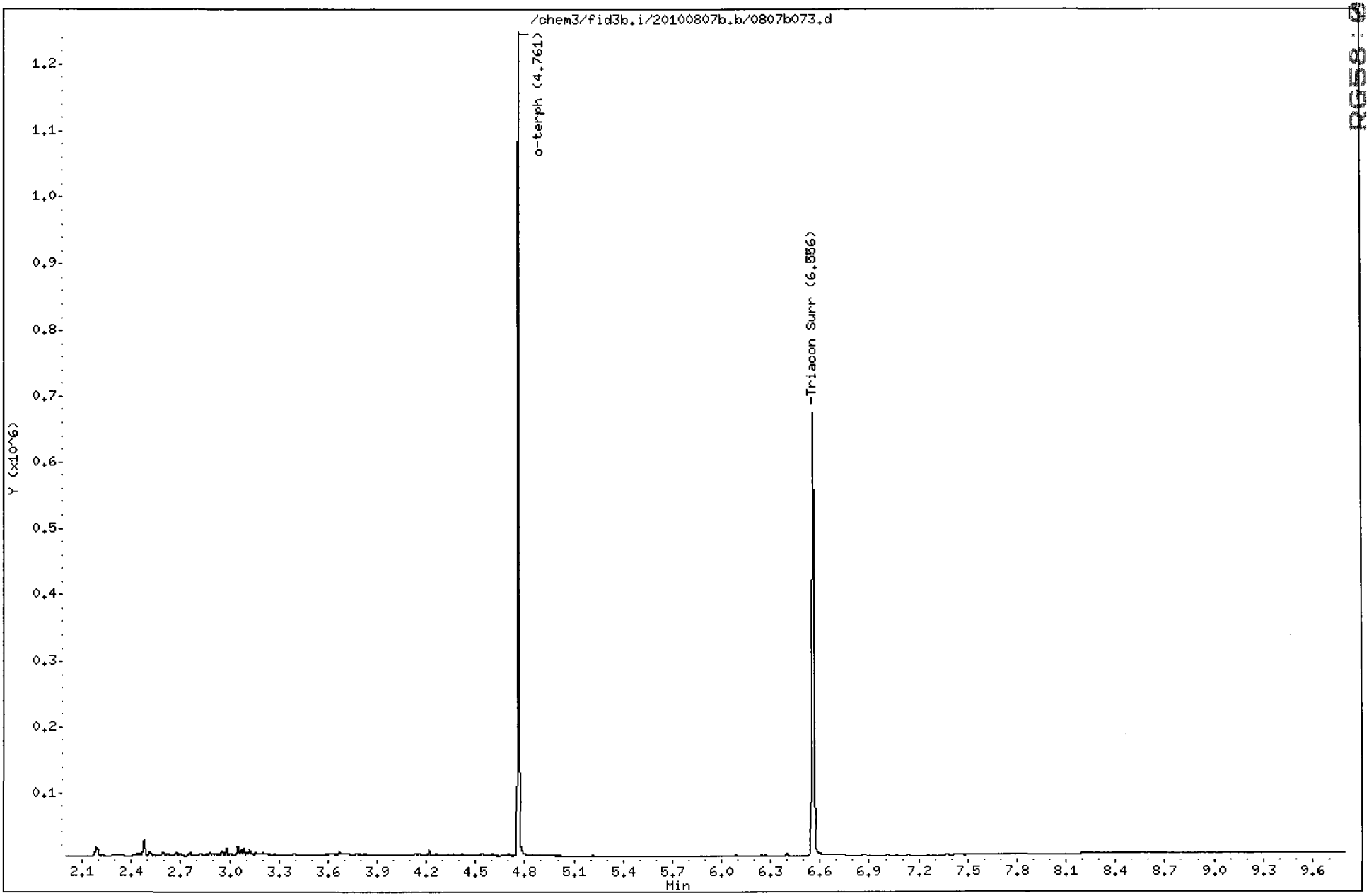
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58-91166



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b074.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58S
Client ID: PSB24-16-17-072910
Injection: 08-AUG-2010 09:53
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	168123	6
C8	----				DIESEL (C12-C24)	256672	12
C10	2.854	-0.001	2692	3077	M.OIL (C24-C38)	111579	9
C12	3.456	-0.010	2062	2159	AK-102 (C10-C25)	387866	16
C14	3.925	0.000	2863	787	AK-103 (C25-C36)	89317	10
C16	4.326	0.005	2848	2735	OR.DIES (C10-C28)	409259	19
C18	4.672	-0.002	2165	2106	OR.MOIL (C28-C40)	116316	10
C20	5.000	0.003	1522	572			
C22	5.294	-0.001	1569	545	STODDARD (C8-C12)	168123	6
C24	5.603	-0.001	1084	346			
C25	5.764	0.001	1034	372			
C26	5.928	0.003	866	777			
C28	6.242	-0.002	1237	1898			
C32	6.867	0.011	2029	4775			
C34	7.140	-0.002	1237	2021	CREOSOT (C8-C22)	405022	63
Filter Peak	----						
C36	7.413	-0.002	1045	471	BUNKERC (C10-C38)	497184	58
o-terph	4.762	-0.001	1273169	724732	JET-A (C10-C18)	316213	20
Triacon Surr	6.557	-0.007	685220	600523	IT.MOIL (C24-C40)	740493	34

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	724732	36.4	80.8
Triacontane	600523	35.9	79.8

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

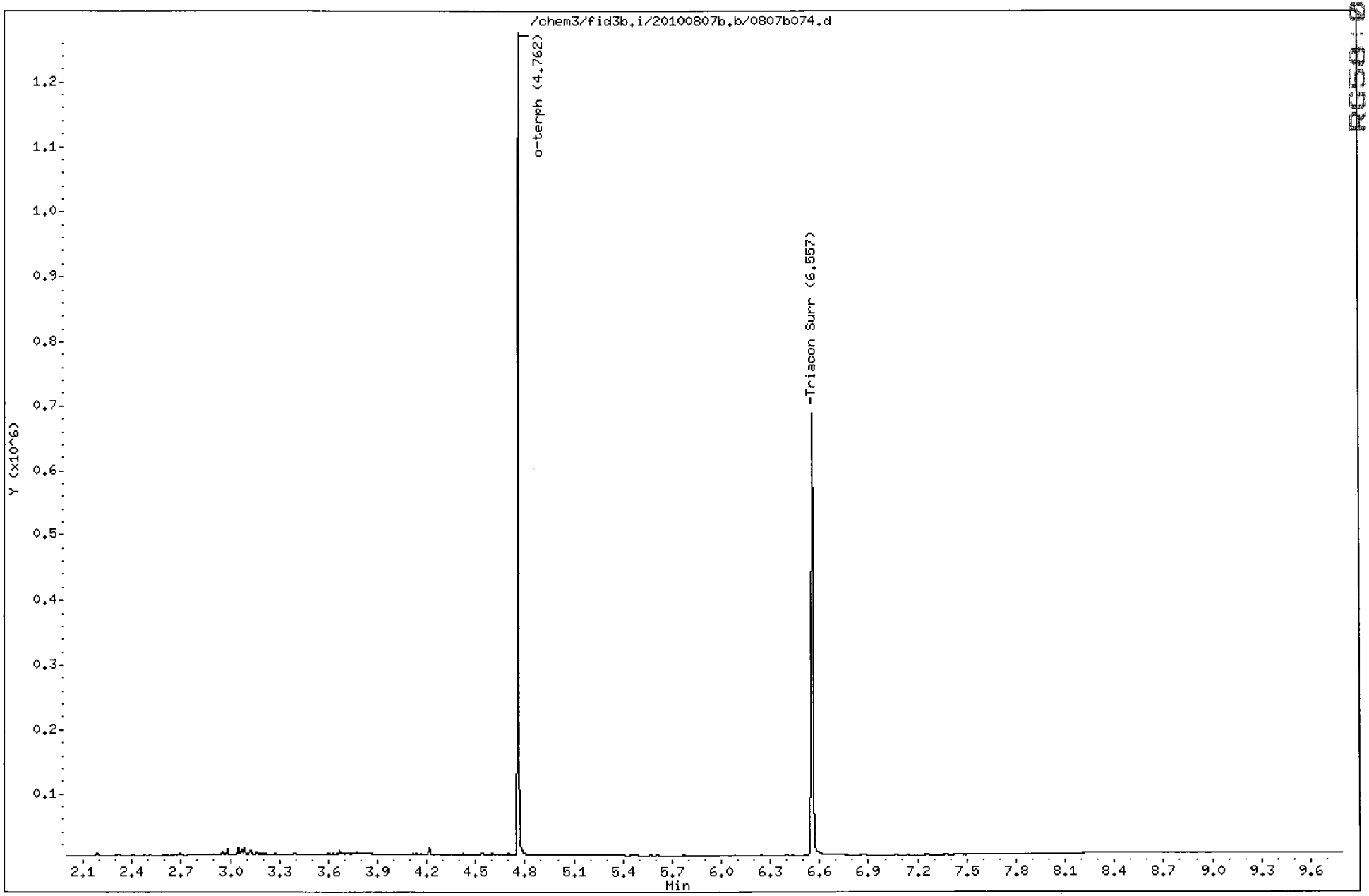
Data File: /chem3/fid3b.i/20100807b.b/0807b074.d
Date : 08-AUG-2010 09:53
Client ID: PSB24-16-17-072910
Sample Info: RG58S

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-091168



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b075.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: DIESEL#7
Client ID: DIESEL#7
Injection: 08-AUG-2010 10:12
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	785310	29
C8	----				DIESEL (C12-C24)	5211902	244
C10	2.856	0.000	28261	19396	M.OIL (C24-C38)	88515	7
C12	3.465	0.000	67598	47772	AK-102 (C10-C25)	5853898	243
C14	3.924	-0.002	129358	116778	AK-103 (C25-C36)	62444	7
C16	4.320	-0.001	239952	191041	OR.DIES (C10-C28)	5895996	280
C18	4.674	0.000	210893	171745	OR.MOIL (C28-C40)	54939	5
C20	4.996	-0.001	120869	109302			
C22	5.293	-0.002	49338	43419	STODDARD (C8-C12)	785310	28
C24	5.604	-0.001	10735	5459			
C25	5.761	-0.003	3026	577			
C26	5.923	-0.002	1235	332			
C28	6.248	0.004	222	96			
C32	6.843	-0.013	59	16			
C34	7.145	0.003	189	82	CREOSOT (C8-C22)	5821324	910
Filter Peak	----						
C36	7.408	-0.007	417	305	BUNKERC (C10-C38)	5929205	686
o-terph	4.763	0.000	1699587	865581	JET-A (C10-C18)	4309713	272
Triacon Surr	6.567	0.003	120	60	IT.MOIL (C24-C40)	110306	5

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	865581	43.4	96.5
Triacontane	60	0.0	0.0

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b075.d

Date : 08-AUG-2010 10:12

Client ID: DIESEL#7

Sample Info: DIESEL#7

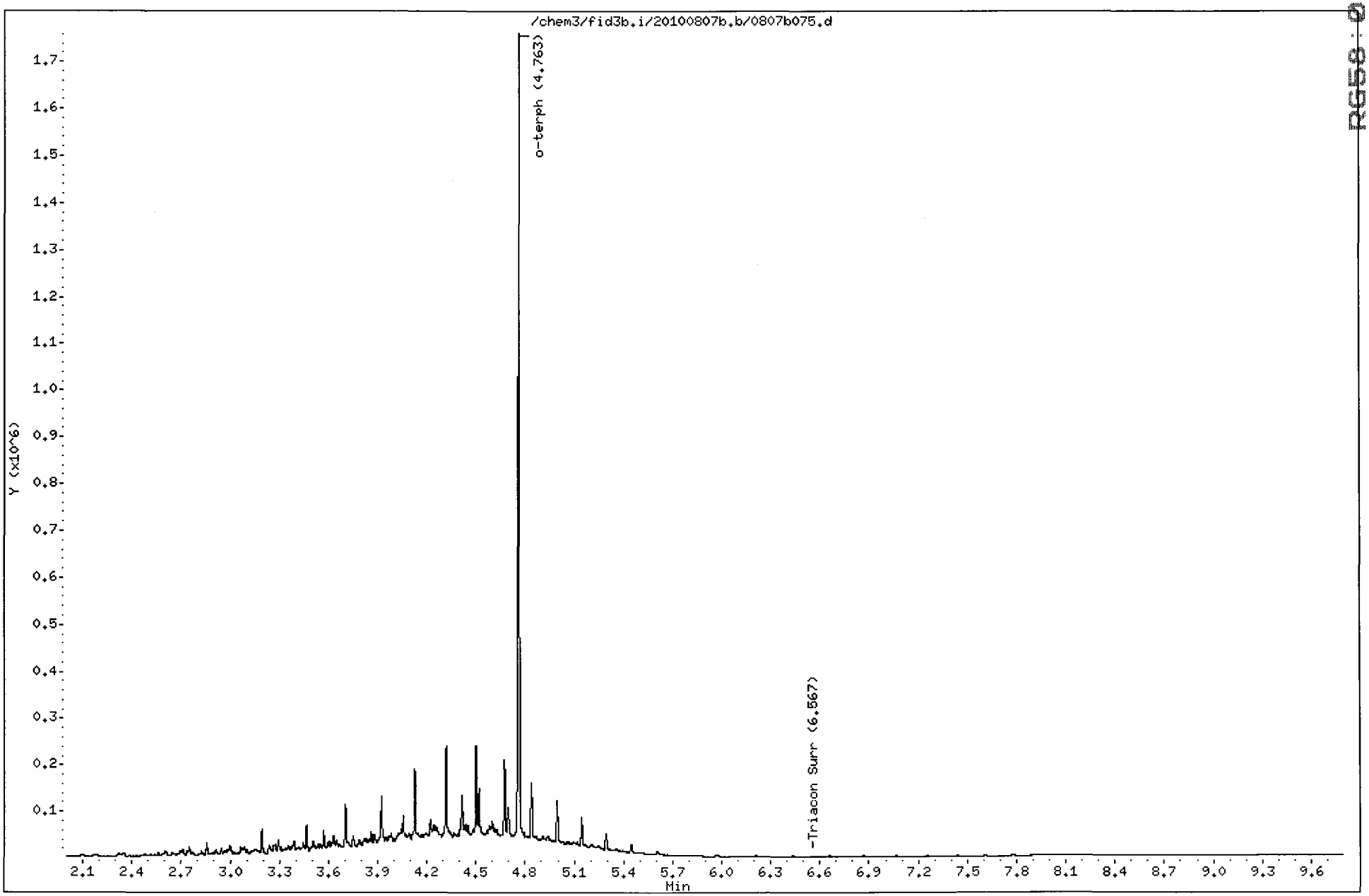
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58-091170



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b076.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: MOIL#7
Client ID: MOIL#7
Injection: 08-AUG-2010 10:31
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	59998	2
C8	----				DIESEL (C12-C24)	692946	32
C10	2.857	0.002	1236	1408	M.OIL (C24-C38)	5427679	449
C12	3.466	0.001	816	239	AK-102 (C10-C25)	823394	34
C14	3.926	0.001	606	94	AK-103 (C25-C36)	4772155	534
C16	4.324	0.003	429	165	OR.DIES (C10-C28)	2167996	103
C18	4.680	0.006	792	826	OR.MOIL (C28-C40)	4362156	387
C20	4.995	-0.002	4092	565			
C22	5.297	0.002	14163	2257	STODDARD (C8-C12)	59998	2
C24	5.603	-0.002	26760	11570			
C25	5.763	0.000	33992	19778			
C26	5.920	-0.005	37559	18198			
C28	6.244	0.000	44040	11198			
C32	6.859	0.004	55632	20367			
C34	7.140	-0.002	54738	8607	CREOSOT (C8-C22)	321829	50
Filter Peak	----						
C36	7.417	0.003	46071	10813	BUNKERC (C10-C38)	6161850	713
o-terph	4.762	-0.001	3014	3359	JET-A (C10-C18)	83178	5
Triacon Surr	6.559	-0.004	813152	748382	IT.MOIL (C24-C40)	6544363	305

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3359	0.2	0.4
Triacontane	748382	44.7	99.4

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b076.d

Date : 08-AUG-2010 10:31

Client ID: MOIL#7

Sample Info: MOIL#7

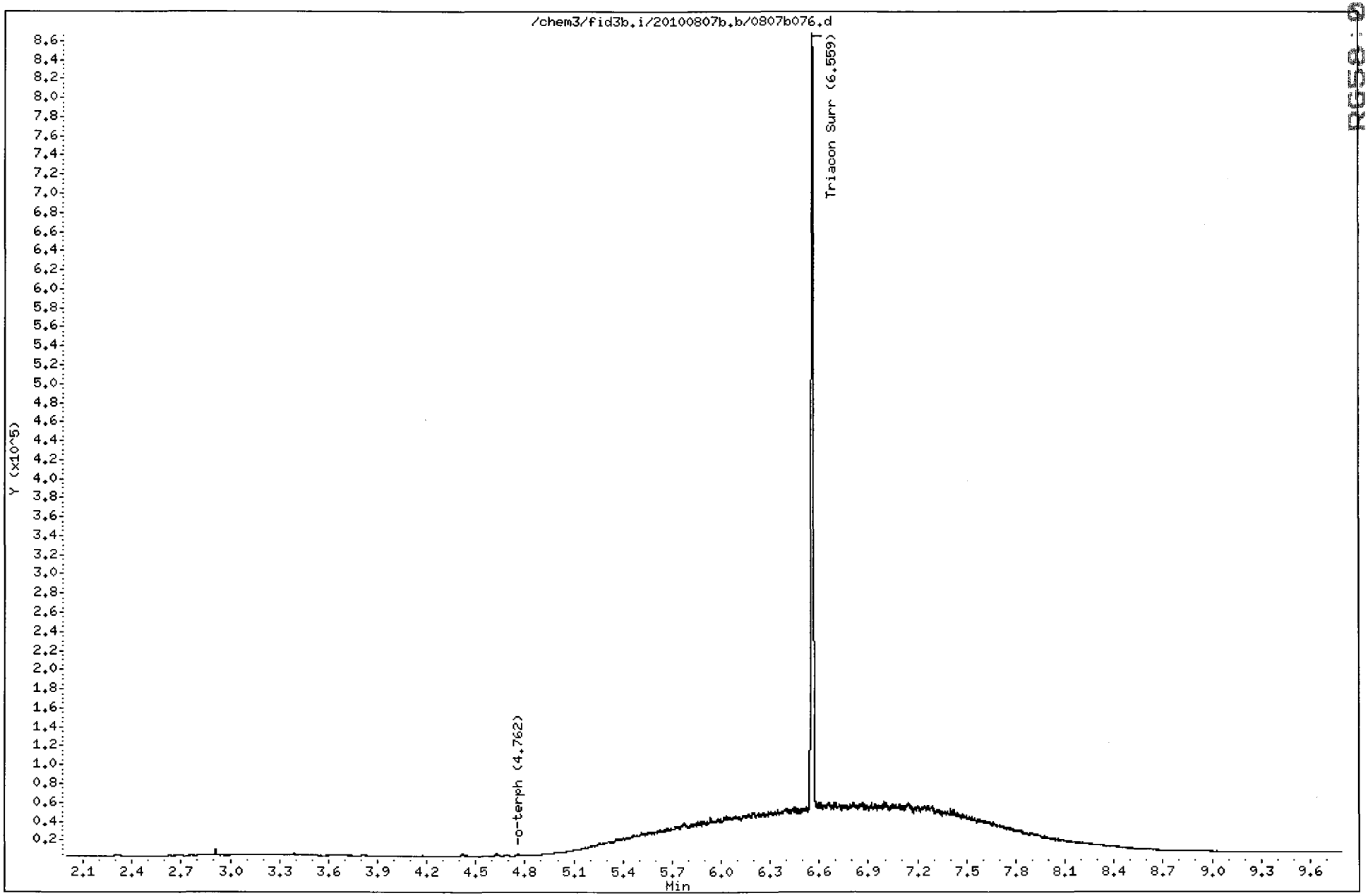
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

R658-01172



MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem3/fid3b.i/20100807b.b

ARI Job No.: DIES Method: i/20100807b.b/ftphfid3b.m Instrument: fid3b.i Date: 08-AUG-2010

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0157	0807b049.d	DIESEL#5	DIESEL#5	1	o-terph,
0216	0807b050.d	MOIL#5	MOIL#5	1	Triacon Surr,
0235	0807b051.d	RG58MBS1	RG58MBS1	1	NO MANUAL INTEGRATION
0254	0807b052.d	RG58LCSS1	RG58LCSS1	1	o-terph,
0313	0807b053.d	RG58A	PSB22-0-0.	1	NO MANUAL INTEGRATION
0332	0807b054.d	RG58B	PSB22-1.5-	1	NO MANUAL INTEGRATION
0351	0807b055.d	RG58C	PSB22-2-4-	1	NO MANUAL INTEGRATION
0410	0807b056.d	RG58D	PSB22-4-6-	1	Triacon Surr,
0429	0807b057.d	RG58E	PSB22-17-1	1	NO MANUAL INTEGRATION
0448	0807b058.d	RG58F	PSB22-19-2	1	NO MANUAL INTEGRATION
0507	0807b059.d	RG58G	PSB23-0-0.	1	Triacon Surr,
0526	0807b060.d	RG58H	PSB23-1.5-	1	Triacon Surr,
0545	0807b061.d	DIESEL#6	DIESEL#6	1	o-terph,
0604	0807b062.d	MOIL#6	MOIL#6	1	Triacon Surr,
0623	0807b063.d	RG58I	PSB23-2-4-	1	Triacon Surr,
0642	0807b064.d	RG58IMS	PSB23-2-4-	1	o-terph, Triacon Surr,
0701	0807b065.d	RG58IMSD	PSB23-2-4-	1	o-terph, Triacon Surr,
0720	0807b066.d	RG58J	PSB23-4-6-	1	NO MANUAL INTEGRATION
0739	0807b067.d	RG58K	PSB23-14-1	1	NO MANUAL INTEGRATION
0759	0807b068.d	RG58L	PSB23-16.5	1	NO MANUAL INTEGRATION
0818	0807b069.d	RG58M	PSB24-0-0.	1	Triacon Surr,
0837	0807b070.d	RG58N	PSB24-1.5-	1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - /chem3/fid3b.i/20100807b.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0856	0807b071.d	RG58O	PSB24-2-4-	1	NO MANUAL INTEGRATION
0915	0807b072.d	RG58P	PSB24-2-4-	1	NO MANUAL INTEGRATION
0934	0807b073.d	RG58Q	PSB24-4-6-	1	NO MANUAL INTEGRATION
0953	0807b074.d	RG58S	PSB24-16-1	1	NO MANUAL INTEGRATION
1012	0807b075.d	DIESEL#7	DIESEL#7	1	o-terph,
1031	0807b076.d	MOIL#7	MOIL#7	1	Triacon Surr,

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b049.d ARI ID: DIESEL#5
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: DIESEL#5
Instrument: fid3b.i Injection: 08-AUG-2010 01:57
Operator: JR Dilution Factor: 1
Report Date: 08/10/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	741298	27
C8	----				DIESEL (C12-C24)	4873507	228
C10	2.855	0.000	26870	18644	M.OIL (C24-C38)	182720	15
C12	3.466	0.000	61410	49054	AK-102 (C10-C25)	5480288	227
C14	3.923	-0.002	130670	114594	AK-103 (C25-C36)	126206	14
C16	4.320	-0.001	213859	188032	OR.DIES (C10-C28)	5524696	262
C18	4.675	0.002	192038	165228	OR.MOIL (C28-C40)	195523	17
C20	4.996	-0.001	115005	103618			
C22	5.294	-0.001	48855	47225	STODDARD (C8-C12)	741298	27
C24	5.604	0.000	11793	16737			
C25	5.769	0.006	4447	7957			
C26	5.926	0.002	1461	671			
C28	6.246	0.001	346	138			
C32	6.869	0.013	2661	4518			
C34	7.143	0.001	1491	533	CREOSOT (C8-C22)	5439588	850
Filter Peak	----						
C36	7.414	0.000	2407	621	BUNKERC (C10-C38)	5650535	654
o-terph	4.763	0.000	1617446	970701	JET-A (C10-C18)	4119515	260
Triacon Surr	6.560	-0.003	431	126	IT.MOIL (C24-C40)	252531	12

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	970701	48.7	108.2
Triacontane	126	0.0	0.0

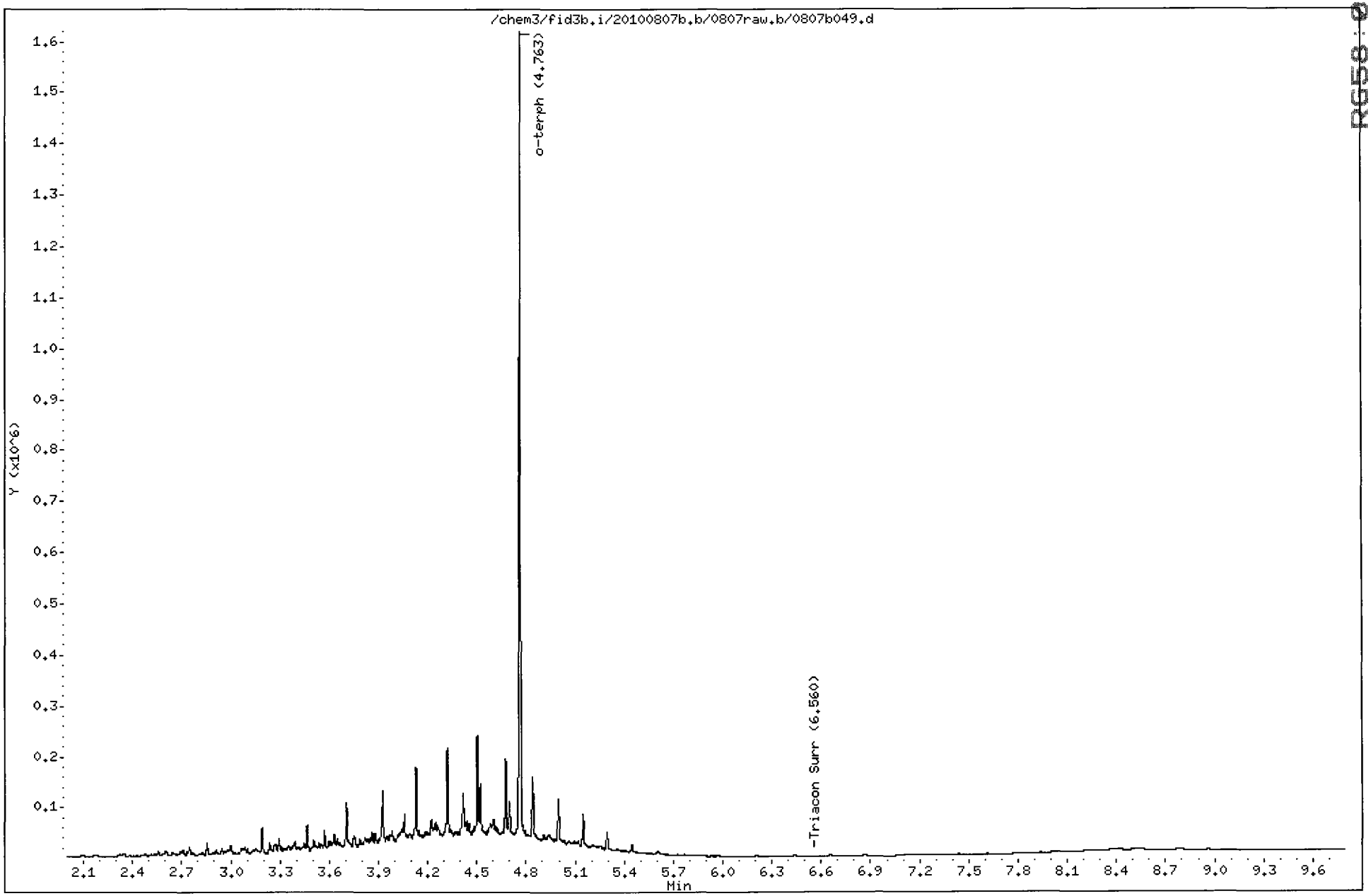
8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b049.d
Date : 08-AUG-2010 01:57
Client ID: DIESEL#5
Sample Info: DIESEL#5

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b050.d ARI ID: MOIL#5
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: MOIL#5
Instrument: fid3b.i Injection: 08-AUG-2010 02:16
Operator: JR Dilution Factor: 1
Report Date: 08/10/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	46791	2
C8	----				DIESEL (C12-C24)	650111	30
C10	2.856	0.001	1020	1405	M.OIL (C24-C38)	5160119	427
C12	3.472	0.007	677	226	AK-102 (C10-C25)	778329	32
C14	3.921	-0.004	562	165	AK-103 (C25-C36)	4512433	505
C16	4.323	0.002	421	129	OR.DIES (C10-C28)	2050075	97
C18	4.672	-0.002	698	175	OR.MOIL (C28-C40)	4159769	369
C20	4.995	-0.002	3992	950			
C22	5.294	-0.001	14550	4165	STODDARD (C8-C12)	46791	2
C24	5.601	-0.004	25787	20329			
C25	5.762	-0.002	30515	4217			
C26	5.929	0.005	37079	16807			
C28	6.243	-0.002	42447	15114			
C32	6.858	0.002	55995	41100			
C34	7.144	0.002	52702	13471	CREOSOT (C8-C22)	301750	47
Filter Peak	----						
C36	7.412	-0.003	45920	28045	BUNKERC (C10-C38)	5843614	676
o-terph	4.760	-0.002	2839	3740	JET-A (C10-C18)	73803	5
Triacon Surr	6.561	-0.003	863787	844501	IT.MOIL (C24-C40)	6370851	296

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3740	0.2	0.4
Triacontane	844501	50.5	112.2

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b050.d

Date : 08-AUG-2010 02:16

Client ID: MOIL#5

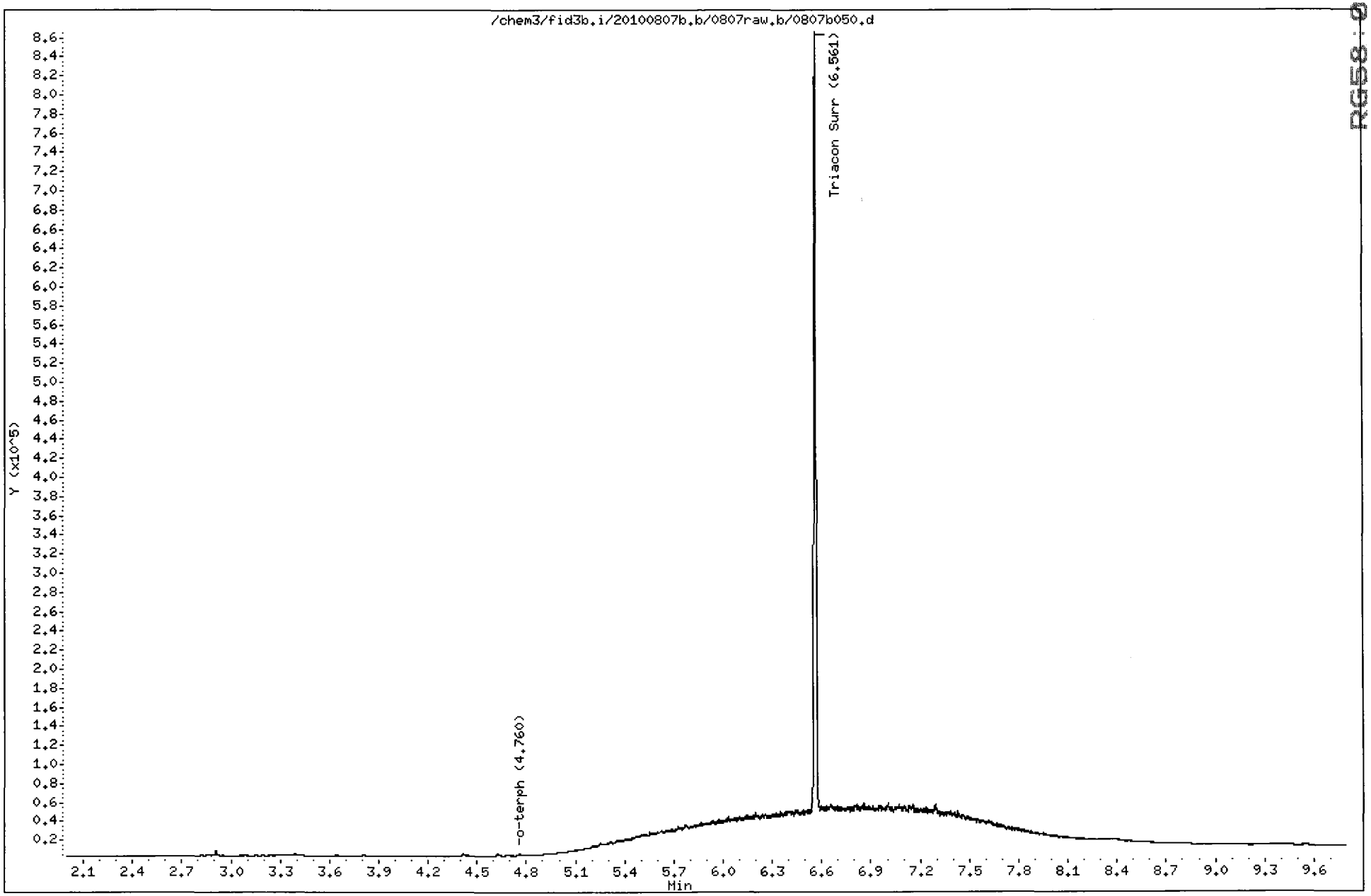
Instrument: fid3b.i

Sample Info: MOIL#5

Operator: JR

Column phase: RTX-1

Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b052.d ARI ID: RG58LCSS1
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: RG58LCSS1
Instrument: fid3b.i Injection: 08-AUG-2010 02:54
Operator: JR Dilution Factor: 1
Report Date: 08/18/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3955282	145
C8	----				DIESEL (C12-C24)	28932184	1352
C10	2.856	0.001	142683	100218	M.OIL (C24-C38)	436487	36
C12	3.467	0.002	388136	275098	AK-102 (C10-C25)	32245751	1338
C14	3.925	0.000	750272	653212	AK-103 (C25-C36)	325768	36
C16	4.325	0.004	1233123	1120301	OR.DIES (C10-C28)	32492360	1541
C18	4.680	0.006	1198573	946076	OR.MOIL (C28-C40)	159197	14
C20	5.000	0.003	747569	588512			
C22	5.296	0.001	334911	283904	STODDARD (C8-C12)	3955282	143
C24	5.602	-0.002	91794	97947			
C25	5.764	0.001	40142	50664			
C26	5.924	0.000	14947	16457			
C28	6.244	-0.001	3067	4251			
C32	6.867	0.011	1857	3658			
C34	7.145	0.003	1622	1290	CREOSOT (C8-C22)	31815918	4974
Filter Peak	----						
C36	7.413	-0.002	1742	311	BUNKERC (C10-C38)	32605256	3772
o-terph	4.765	0.002	1929167	1442089	JET-A (C10-C18)	23823547	1503
Triacon Surr	6.560	-0.004	855956	744335	IT.MOIL (C24-C40)	1227122	57

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1442089	72.3	160.8
Triacontane	744335	44.5	98.9

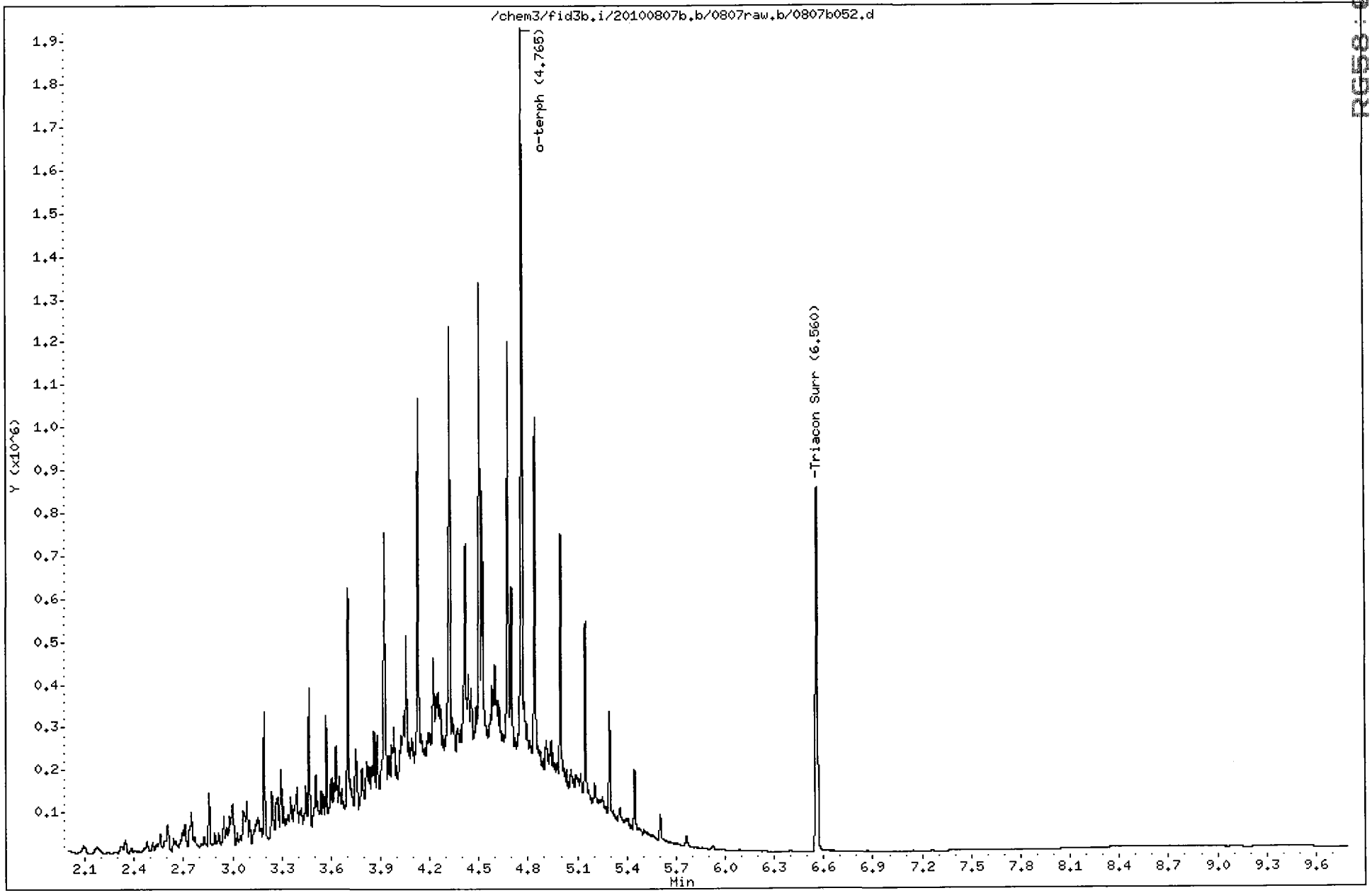
8/18/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b052.d
Date : 08-AUG-2010 02:54
Client ID: RG58LCSS1
Sample Info: RG58LCSS1

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1



RG58-051185

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b056.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58D
Client ID: PSB22-4-6-072910
Injection: 08-AUG-2010 04:10
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	124230	5
C8	----				DIESEL (C12-C24)	203847	10
C10	2.855	0.000	2222	2406	M.OIL (C24-C38)	193276	16
C12	3.461	-0.004	1524	671	AK-102 (C10-C25)	304521	13
C14	3.925	0.000	1463	259	AK-103 (C25-C36)	153909	17
C16	4.326	0.005	2881	3719	OR.DIES (C10-C28)	344566	16
C18	4.675	0.001	1578	999	OR.MOIL (C28-C40)	195777	17
C20	4.991	-0.006	1366	1111			
C22	5.290	-0.004	1558	1287	STODDARD (C8-C12)	124230	4
C24	5.607	0.003	1590	524			
C25	5.759	-0.004	1210	415			
C26	5.926	0.002	1554	1034			
C28	6.243	-0.001	2023	2487			
C32	6.858	0.002	2225	1319			
C34	7.141	-0.001	2292	1888	CREOSOT (C8-C22)	307916	48
Filter Peak	----						
C36	7.416	0.002	2159	843	BUNKERC (C10-C38)	494307	57
o-terph	4.762	-0.001	1287817	748311	JET-A (C10-C18)	240587	15
Triacon Surr	6.558	-0.005	669584	559607	IT.MOIL (C24-C40)	798918	37

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	748311	37.5	83.4
Triacontane	559607	33.5	74.3

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

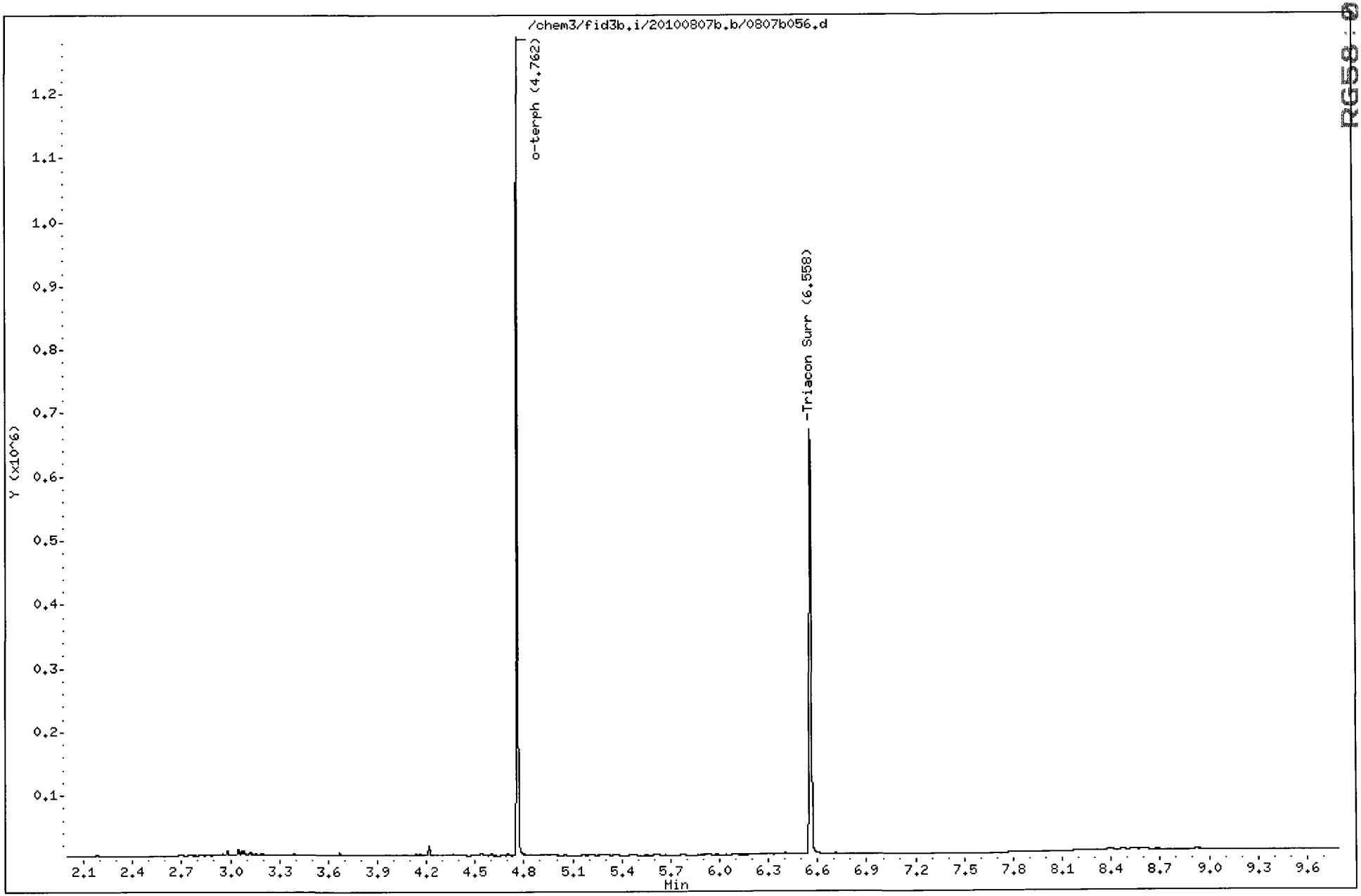
Data File: /chem3/fid3b.i/20100807b.b/0807b056.d
Date : 08-AUG-2010 04:10
Client ID: PSB22-4-6-072910
Sample Info: RG58D

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58 - 91182



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b059.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58G
Client ID: PSB23-0-0.5-072910
Injection: 08-AUG-2010 05:07
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	163117	6
C8	----				DIESEL (C12-C24)	306385	14
C10	2.859	0.004	2521	2655	M.OIL (C24-C38)	2043432	169
C12	3.464	-0.002	1286	374	AK-102 (C10-C25)	400661	17
C14	3.925	0.000	1223	360	AK-103 (C25-C36)	1930226	216
C16	4.319	-0.002	2328	2947	OR.DIES (C10-C28)	932672	44
C18	4.675	0.001	2762	2641	OR.MOIL (C28-C40)	1589299	141
C20	4.998	0.001	3768	2342			
C22	5.295	0.001	7060	8074	STODDARD (C8-C12)	163117	6
C24	5.602	-0.002	12421	13801			
C25	5.762	-0.001	46264	45271			
C26	5.922	-0.003	21068	25554			
C28	6.243	-0.002	38742	44108			
C32	6.854	-0.001	23920	32302			
C34	7.138	-0.004	12334	10291	CREOSOT (C8-C22)	378454	59
Filter Peak	----						
C36	7.410	-0.004	8367	6726	BUNKERC (C10-C38)	2430244	281
o-terph	4.760	-0.002	1095689	598991	JET-A (C10-C18)	192955	12
Triacon Surr	6.558	-0.006	598815	506742	IT.MOIL (C24-C40)	2641901	123

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	598991	30.0	66.8
Triacontane	506742	30.3	67.3

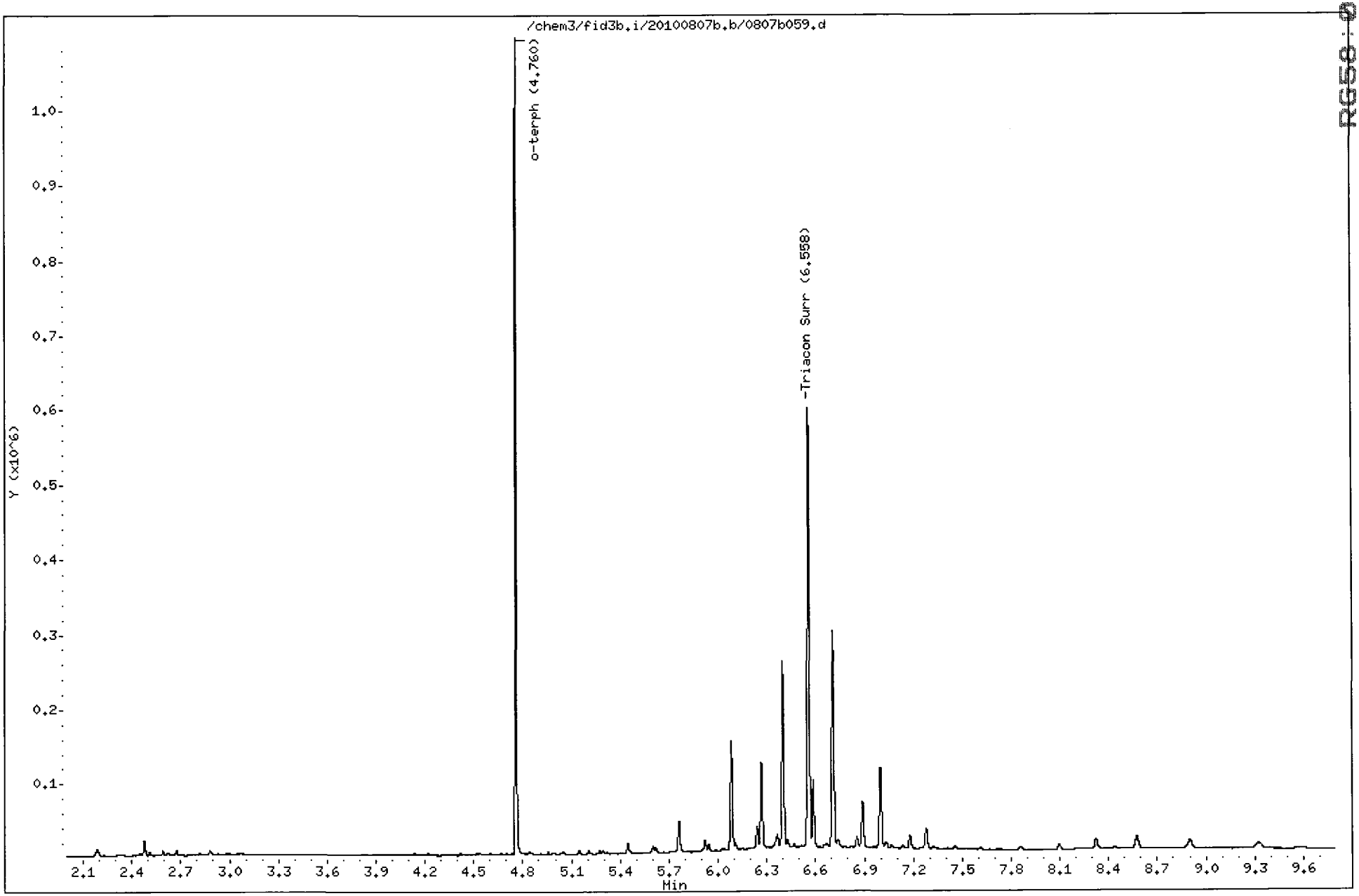
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b059.d
Date : 08-AUG-2010 05:07
Client ID: PSB23-0-0.5-072910
Sample Info: RG58G

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-041181



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b060.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58H
Client ID: PSB23-1.5-2-072910
Injection: 08-AUG-2010 05:26
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	164526	6
C8	----				DIESEL (C12-C24)	646161	30
C10	2.855	0.000	2961	3174	M.OIL (C24-C38)	1037485	86
C12	3.467	0.001	1444	257	AK-102 (C10-C25)	771044	32
C14	3.923	-0.002	1506	237	AK-103 (C25-C36)	942649	106
C16	4.321	0.000	3018	1846	OR.DIES (C10-C28)	1103949	52
C18	4.676	0.002	4349	3546	OR.MOIL (C28-C40)	763226	68
C20	4.986	-0.011	45372	29775			
C22	5.295	0.000	11945	6977	STODDARD (C8-C12)	164526	6
C24	5.605	0.001	7257	7786			
C25	5.765	0.002	10413	8892			
C26	5.920	-0.005	7263	5270			
C28	6.241	-0.004	12762	16736			
C32	6.854	-0.002	11854	17101			
C34	7.145	0.002	8005	7778	CREOSOT (C8-C22)	691076	108
Filter Peak	----						
C36	7.416	0.001	6137	3426	BUNKERC (C10-C38)	1791821	207
o-terph	4.761	-0.002	1154194	631260	JET-A (C10-C18)	255102	16
Triacon Surr	6.558	-0.006	588067	510746	IT.MOIL (C24-C40)	1623585	76

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	631260	31.7	70.4
Triacontane	510746	30.5	67.9

8/18/10

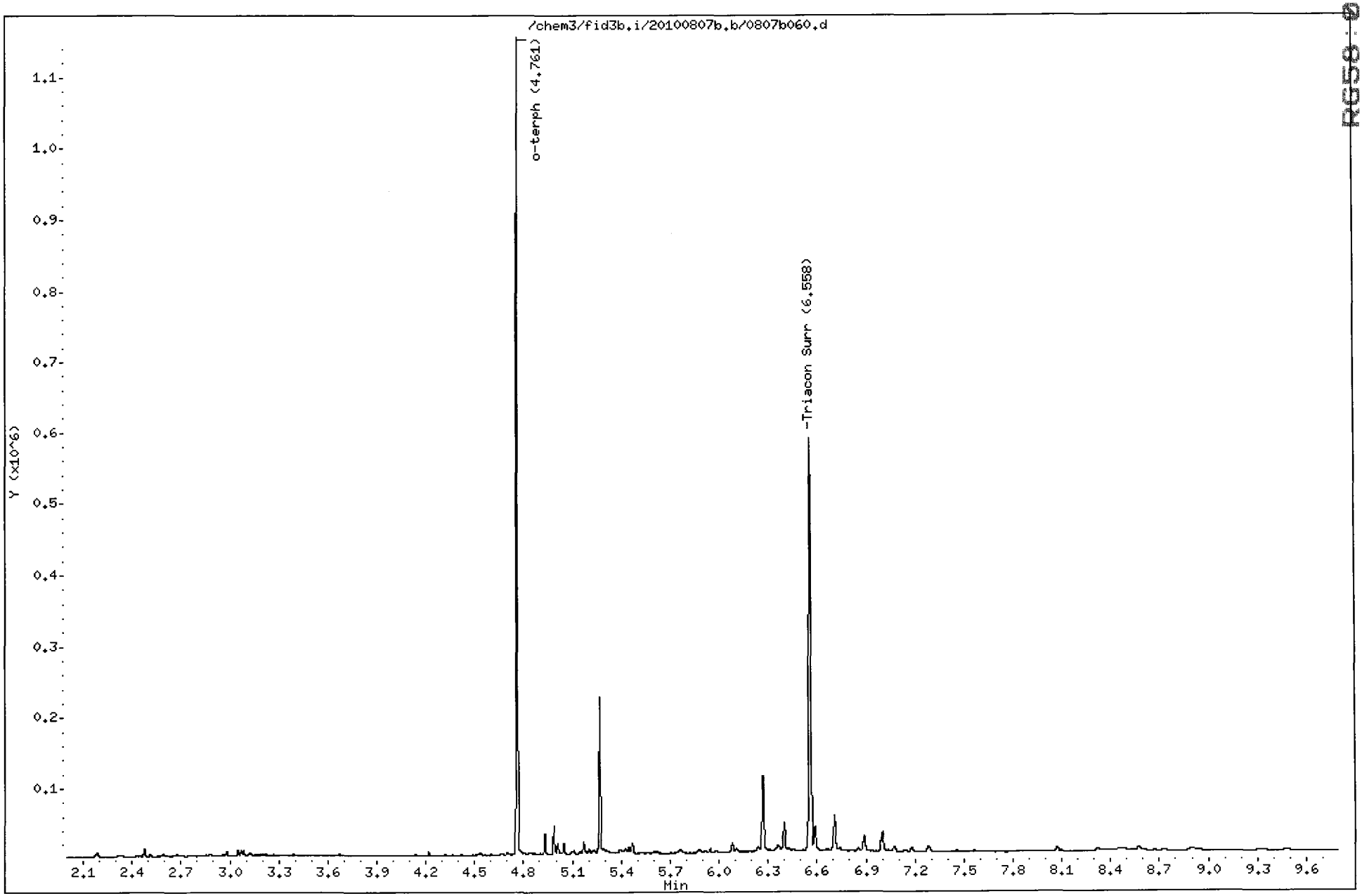
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b060.d
Date : 08-AUG-2010 05:26
Client ID: PSB23-1.5-2-072910
Sample Info: RG58H

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1



RG58-01186

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b061.d ARI ID: DIESEL#6
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: DIESEL#6
Instrument: fid3b.i Injection: 08-AUG-2010 05:45
Operator: JR Dilution Factor: 1
Report Date: 08/10/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	752430	28
C8	----				DIESEL (C12-C24)	4907732	229
C10	2.855	0.000	25563	19070	M.OIL (C24-C38)	108524	9
C12	3.466	0.000	62735	48634	AK-102 (C10-C25)	5527508	229
C14	3.923	-0.002	135064	109190	AK-103 (C25-C36)	75024	8
C16	4.320	-0.001	228610	184263	OR.DIES (C10-C28)	5569618	264
C18	4.674	0.001	199317	160566	OR.MOIL (C28-C40)	87668	8
C20	4.996	-0.001	120456	101248			
C22	5.295	0.000	46705	52923	STODDARD (C8-C12)	752430	27
C24	5.603	-0.001	10830	16711			
C25	5.768	0.005	4048	4422			
C26	5.923	-0.001	1209	189			
C28	6.247	0.003	255	96			
C32	6.867	0.011	2203	2704			
C34	7.138	-0.004	433	232	CREOSOT (C8-C22)	5493891	859
Filter Peak	----						
C36	7.411	-0.004	868	155	BUNKERC (C10-C38)	5622637	651
o-terph	4.764	0.001	1670058	989251	JET-A (C10-C18)	4155396	262
Triacon Surr	6.565	0.001	157	36	IT.MOIL (C24-C40)	143209	7

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	989251	49.6	110.3
Triacontane	36	0.0	0.0

8/10/10

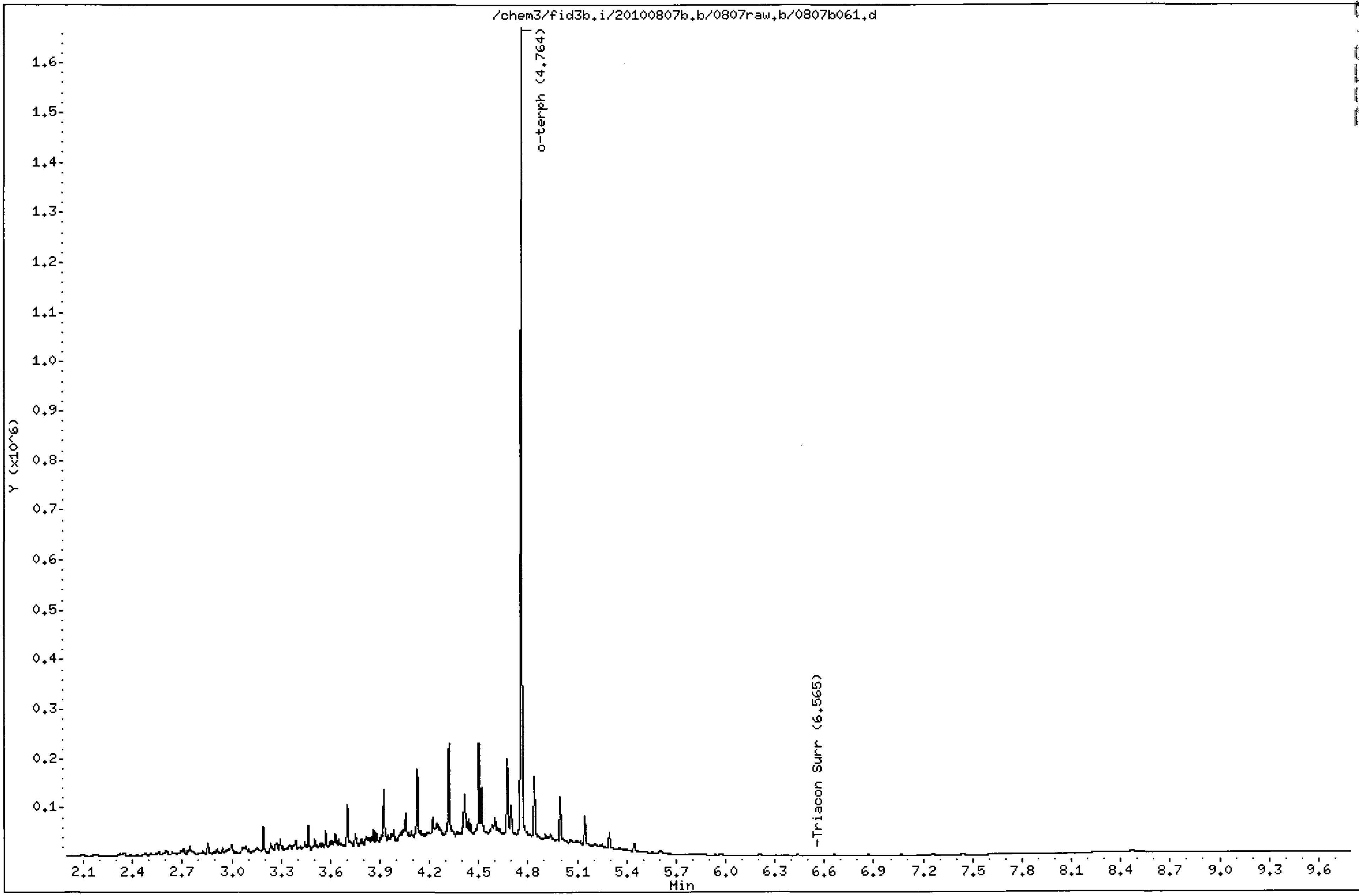
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b061.d
Date : 08-AUG-2010 05:45
Client ID: DIESEL#6
Sample Info: DIESEL#6

Column phase: RTX-1

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00



RG58:01188

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b062.d ARI ID: MOIL#6
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: MOIL#6
Instrument: fid3b.i Injection: 08-AUG-2010 06:04
Operator: JR Dilution Factor: 1
Report Date: 08/10/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	52760	2
C8	----				DIESEL (C12-C24)	659966	31
C10	2.856	0.001	1184	1392	M.OIL (C24-C38)	5185922	429
C12	3.465	-0.001	762	238	AK-102 (C10-C25)	795853	33
C14	3.927	0.002	567	131	AK-103 (C25-C36)	4551703	510
C16	4.321	0.000	401	92	OR.DIES (C10-C28)	2085494	99
C18	4.678	0.004	770	486	OR.MOIL (C28-C40)	4147799	368
C20	4.998	0.001	4124	2333			
C22	5.294	-0.001	14389	2791	STODDARD (C8-C12)	52760	2
C24	5.603	-0.001	26437	16559			
C25	5.762	-0.001	31514	8009			
C26	5.925	0.001	36703	21941			
C28	6.242	-0.002	44972	20220			
C32	6.852	-0.003	53664	39694			
C34	7.143	0.001	54658	14929	CREOSOT (C8-C22)	305179	48
Filter Peak	----						
C36	7.415	0.000	44256	31758	BUNKERC (C10-C38)	5883532	681
o-terph	4.762	-0.001	2820	2586	JET-A (C10-C18)	76986	5
Triacon Surr	6.559	-0.005	901470	767304	IT.MOIL (C24-C40)	6302988	293

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	2586	0.1	0.3
Triacontane	767304	45.9	101.9

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b062.d

Date : 08-AUG-2010 06:04

Client ID: MOIL#6

Sample Info: MOIL#6

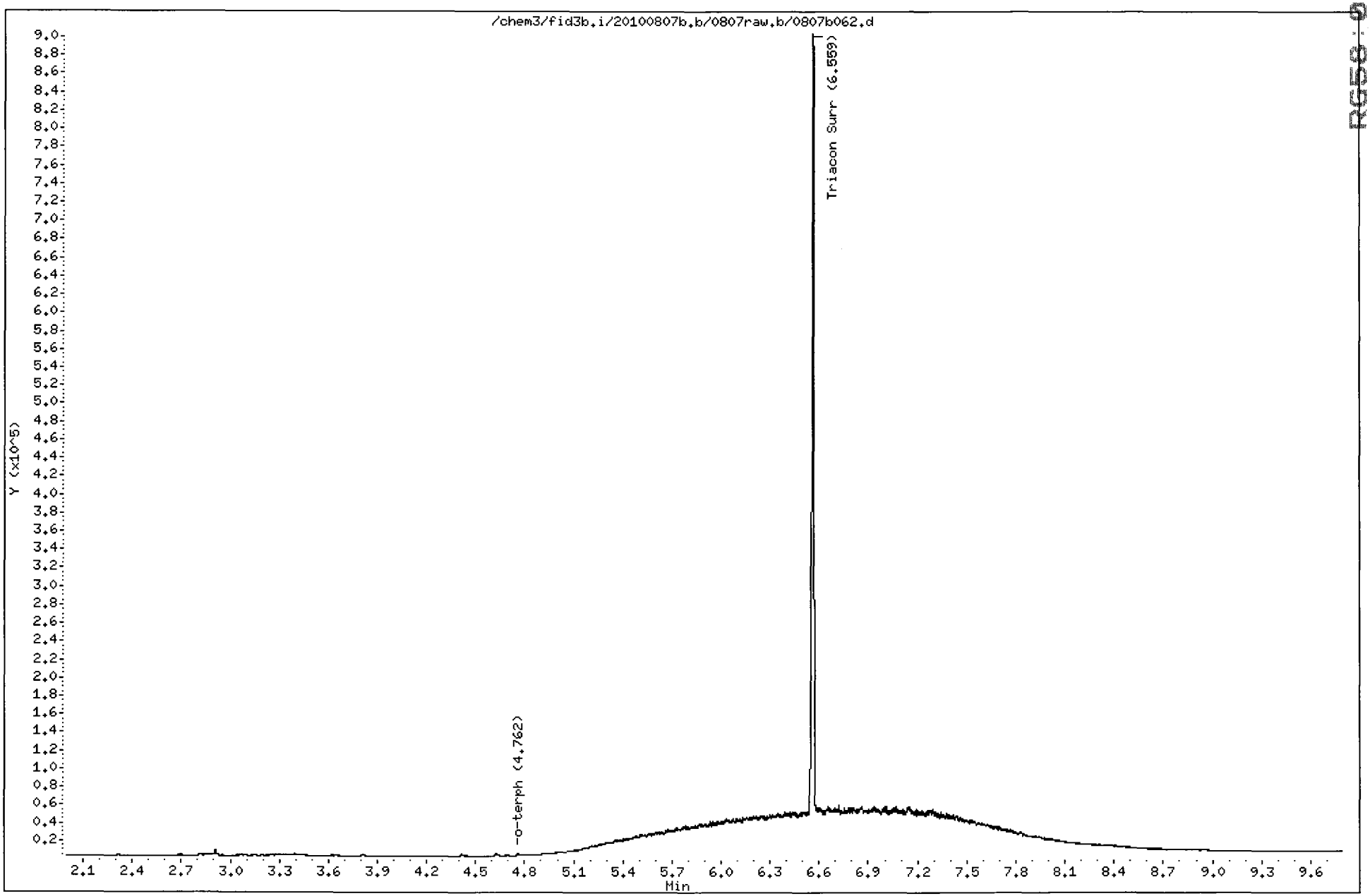
Column phase: RTX-1

Instrument: fid3b.i

Operator: JR

Column diameter: 2.00

RG58-01190



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b063.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58I
Client ID: PSB23-2-4-072910
Injection: 08-AUG-2010 06:23
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	197920	7
C8	----				DIESEL (C12-C24)	307734	14
C10	2.857	0.002	2871	3604	M.OIL (C24-C38)	963802	80
C12	3.458	-0.008	1942	1257	AK-102 (C10-C25)	445062	18
C14	3.927	0.002	2417	521	AK-103 (C25-C36)	882415	99
C16	4.317	-0.004	2636	3178	OR.DIES (C10-C28)	703435	33
C18	4.663	-0.010	3428	4162	OR.MOIL (C28-C40)	760620	67
C20	4.998	0.001	2582	704			
C22	5.296	0.002	4668	3694	STODDARD (C8-C12)	197920	7
C24	5.604	0.000	4599	2957			
C25	5.763	0.000	7702	13163			
C26	5.921	-0.003	6050	6897			
C28	6.239	-0.005	12473	18076			
C32	6.852	-0.004	10751	11387			
C34	7.138	-0.004	7864	5259	CREOSOT (C8-C22)	440383	69
Filter Peak	----						
C36	7.413	-0.002	5508	2380	BUNKERC (C10-C38)	1397255	162
o-terph	4.761	-0.001	1249399	715473	JET-A (C10-C18)	284421	18
Triacon Surr	6.559	-0.005	638054	600077	IT.MOIL (C24-C40)	1630679	76

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	715473	35.9	79.8
Triacontane	600077	35.9	79.7

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

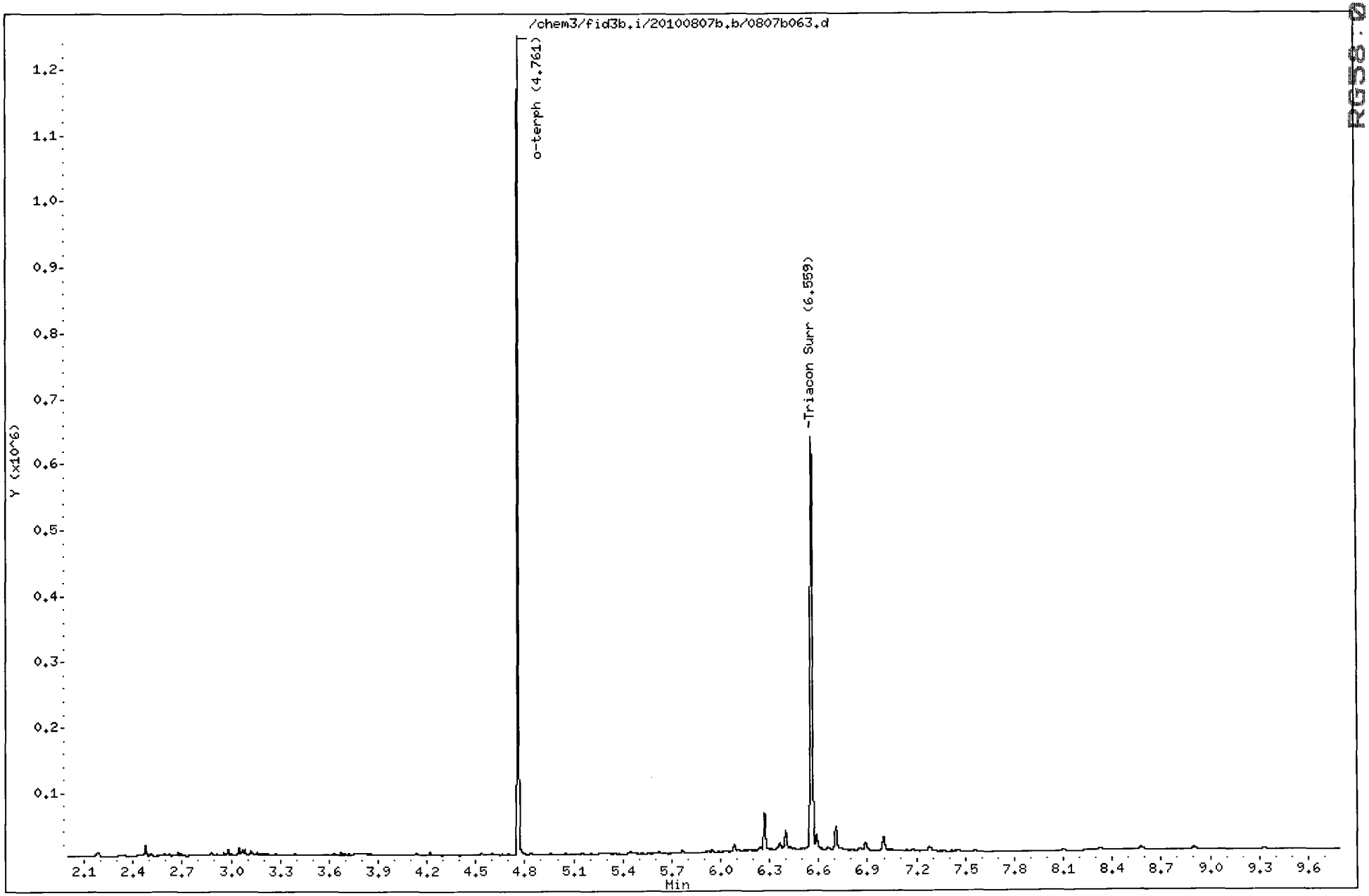
Data File: /chem3/fid3b.i/20100807b.b/0807b063.d
Date : 08-AUG-2010 06:23
Client ID: PSB23-2-4-072910
Sample Info: RG58I

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-91192



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b064.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

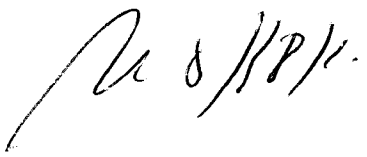
ARI ID: RG58IMS
Client ID: PSB23-2-4-07291 MS
Injection: 08-AUG-2010 06:42
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3278039	120
C8	----				DIESEL (C12-C24)	23067410	1078
C10	2.855	0.000	114901	82276	M.OIL (C24-C38)	1138946	94
C12	3.466	0.001	330124	224278	AK-102 (C10-C25)	25810456	1071
C14	3.925	0.000	606265	560321	AK-103 (C25-C36)	996864	112
C16	4.324	0.003	1065352	999652	OR.DIES (C10-C28)	26241545	1244
C18	4.677	0.004	901237	837911	OR.MOIL (C28-C40)	703393	62
C20	4.999	0.002	577193	569132			
C22	5.296	0.002	270406	232917	STODDARD (C8-C12)	3278039	118
C24	5.602	-0.003	75995	82598			
C25	5.761	-0.002	40065	48726			
C26	5.922	-0.002	18709	22007			
C28	6.241	-0.003	13323	17476			
C32	6.855	-0.001	10547	9534			
C34	7.139	-0.003	7369	6646	CREOSOT (C8-C22)	25450933	3979
Filter Peak	----						
C36	7.413	-0.001	5665	3441	BUNKERC (C10-C38)	26878499	3110
o-terph	4.764	0.001	1530872	1102704	JET-A (C10-C18)	19005020	1199
Triacon Surr	6.558	-0.006	658854	601900	IT.MOIL (C24-C40)	1807285	84

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1102704	55.3	122.9
Triacontane	601900	36.0	80.0



Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

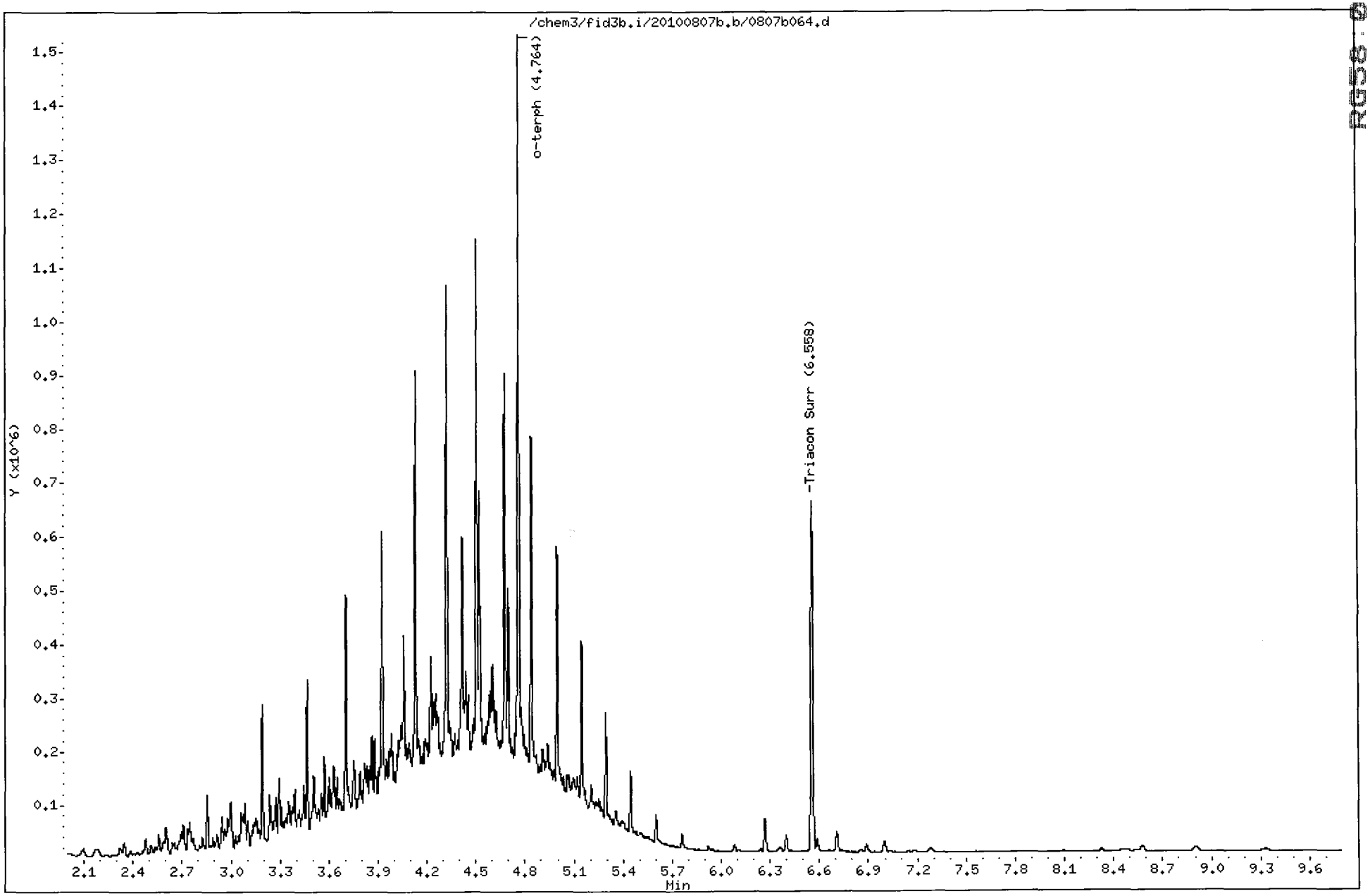
Data File: /chem3/fid3b.i/20100807b.b/0807b064.d
Date : 08-AUG-2010 06:42
Client ID: PSB23-2-4-07291 MS
Sample Info: RG58IMS

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-041914



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b065.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

ARI ID: RG58IMSD
Client ID: PSB23-2-4-07291 MSD
Injection: 08-AUG-2010 07:01
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3432906	125
C8	----				DIESEL (C12-C24)	24448144	1143
C10	2.856	0.000	119327	87213	M.OIL (C24-C38)	1213763	100
C12	3.466	0.000	334169	240366	AK-102 (C10-C25)	27334371	1134
C14	3.925	0.000	653178	467847	AK-103 (C25-C36)	1054607	118
C16	4.323	0.002	1159897	978264	OR.DIES (C10-C28)	27775046	1317
C18	4.677	0.003	1052723	833363	OR.MOIL (C28-C40)	765026	68
C20	4.999	0.002	637242	500028			
C22	5.295	0.000	304689	243660	STODDARD (C8-C12)	3432906	124
C24	5.602	-0.002	90561	110940			
C25	5.762	-0.001	44315	52665			
C26	5.922	-0.003	19870	20363			
C28	6.243	-0.001	14641	16065			
C32	6.856	0.000	10671	6047			
C34	7.146	0.003	7740	7620	CREOSOT (C8-C22)	26907614	4207
Filter Peak	----						
C36	7.418	0.004	6600	5086	BUNKERC (C10-C38)	28467536	3294
o-terph	4.764	0.001	1687584	1362036	JET-A (C10-C18)	20182854	1274
Triacon Surr	6.559	-0.005	697788	659573	IT.MOIL (C24-C40)	1945872	91

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1362036	68.3	151.8
Triacontane	659573	39.4	87.6

8/8/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

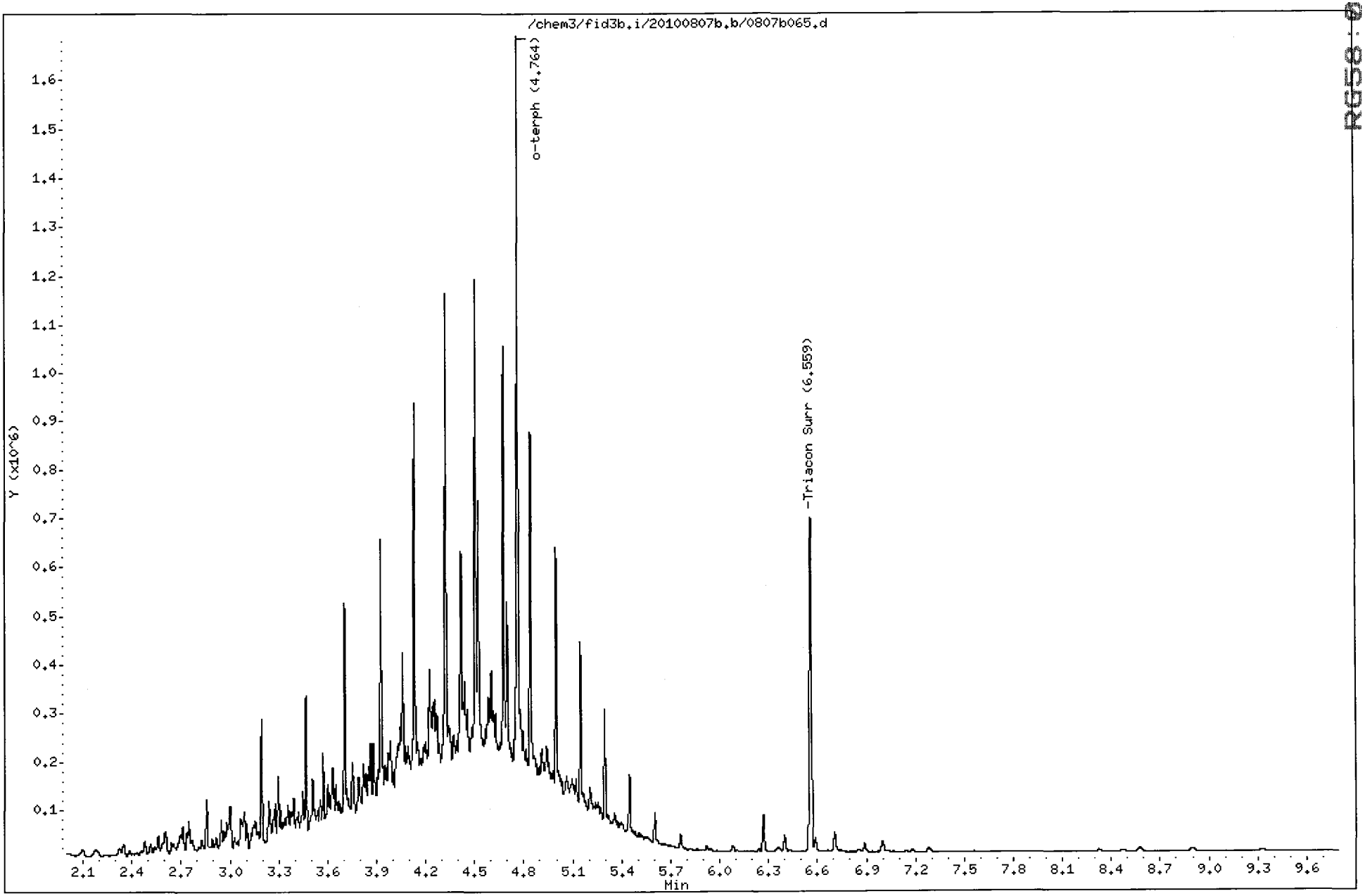
Data File: /chem3/fid3b.i/20100807b.b/0807b065.d
Date : 08-AUG-2010 07:01
Client ID: PSB23-2-4-07291 MSD
Sample Info: RG58IMSD

Instrument: fid3b.i

Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-01156



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807b069.d
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m
Instrument: fid3b.i
Operator: JR
Report Date: 08/10/2010
Macro: FID:3B073010

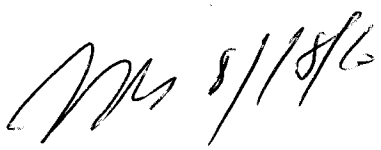
ARI ID: RG58M
Client ID: PSB24-0-0.5-072910
Injection: 08-AUG-2010 08:18
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	187588	7
C8	----				DIESEL (C12-C24)	391806	18
C10	2.857	0.002	2720	3356	M.OIL (C24-C38)	2036164	169
C12	3.475	0.010	2045	1617	AK-102 (C10-C25)	537242	22
C14	3.919	-0.006	1441	343	AK-103 (C25-C36)	1908392	214
C16	4.318	-0.003	3276	4869	OR.DIES (C10-C28)	1138325	54
C18	4.674	0.001	3677	3421	OR.MOIL (C28-C40)	1502261	133
C20	4.997	0.000	4857	3477			
C22	5.295	0.000	8997	9975	STODDARD (C8-C12)	187588	7
C24	5.601	-0.003	14067	15064			
C25	5.759	-0.004	49175	40871			
C26	5.919	-0.005	21300	26757			
C28	6.241	-0.003	39177	46889			
C32	6.856	0.000	21342	30758			
C34	7.146	0.004	11749	6732	CREOSOT (C8-C22)	469461	73
Filter Peak	----						
C36	7.412	-0.002	9511	5486	BUNKERC (C10-C38)	2555228	296
o-terph	4.760	-0.002	1180742	619857	JET-A (C10-C18)	273656	17
Triacon Surr	6.556	-0.007	596535	530343	IT.MOIL (C24-C40)	2651865	123

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	619857	31.1	69.1
Triacontane	530343	31.7	70.5



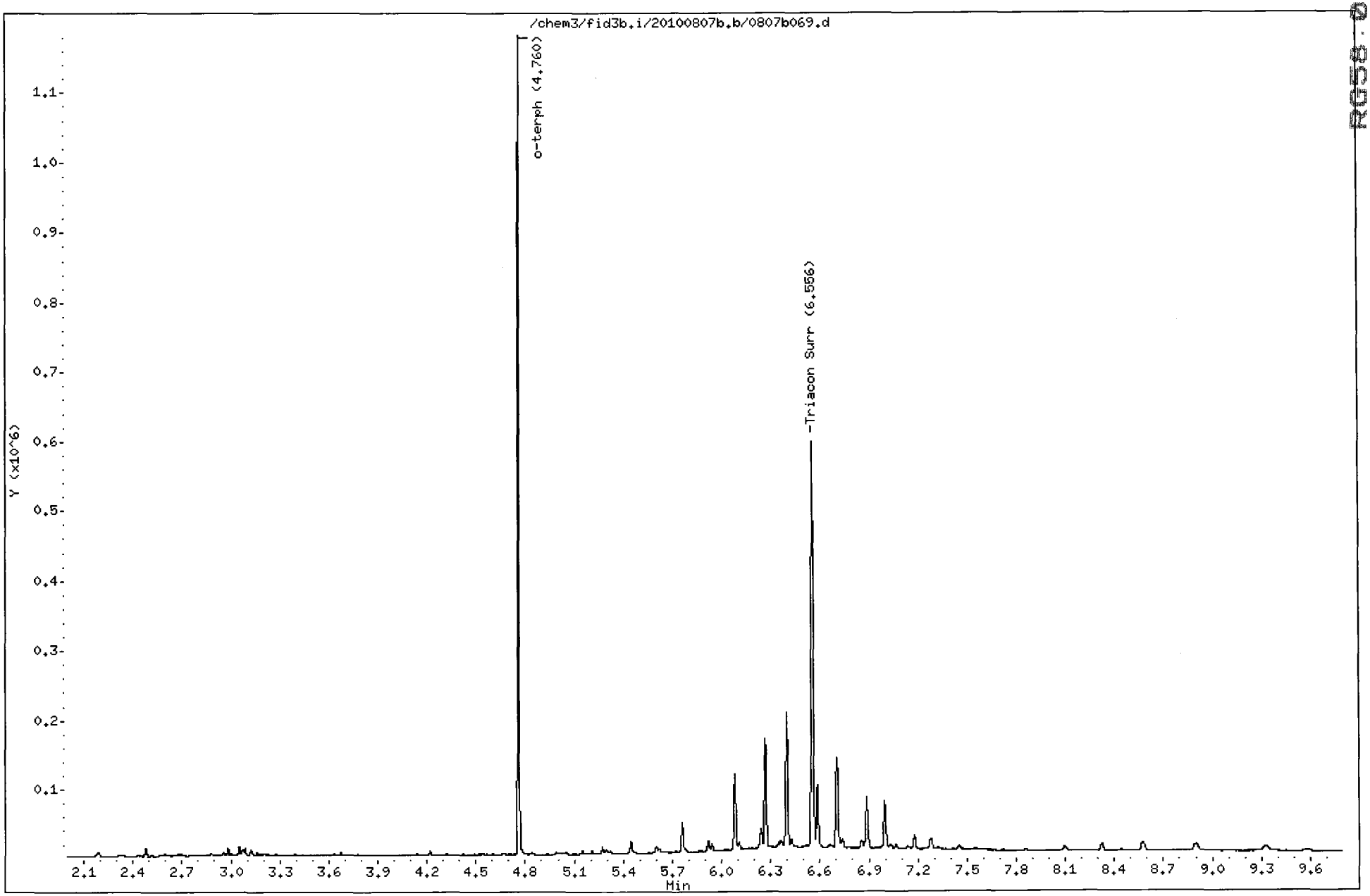
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807b069.d
Date : 08-AUG-2010 08:18
Client ID: PSB24-0-0.5-072910
Sample Info: RC58M

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RC58 @ 1.5%

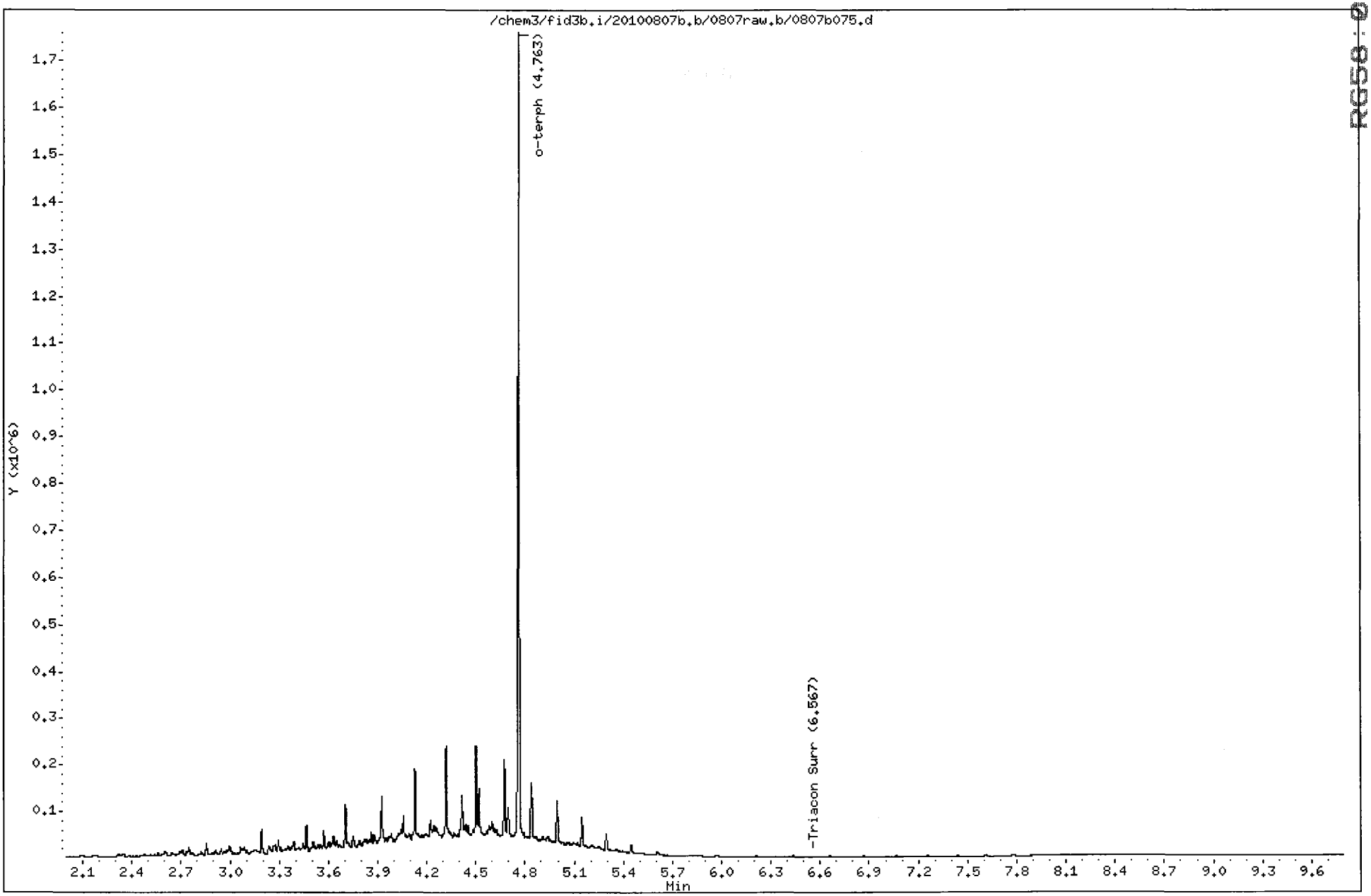


Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b075.d
Date : 08-AUG-2010 10:12
Client ID: DIESEL#7
Sample Info: DIESEL#7

Instrument: fid3b.i
Operator: JR
Column diameter: 2.00

Column phase: RTX-1

RG58-012000



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b076.d ARI ID: MOIL#7
Method: /chem3/fid3b.i/20100807b.b/ftphfid3b.m Client ID: MOIL#7
Instrument: fid3b.i Injection: 08-AUG-2010 10:31
Operator: JR Dilution Factor: 1
Report Date: 08/10/2010
Macro: FID:3B073010

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	59998	2
C8	----				DIESEL (C12-C24)	692946	32
C10	2.857	0.002	1236	1408	M.OIL (C24-C38)	5280831	437
C12	3.466	0.001	816	239	AK-102 (C10-C25)	823394	34
C14	3.926	0.001	606	94	AK-103 (C25-C36)	4625307	518
C16	4.324	0.003	429	165	OR.DIES (C10-C28)	2167996	103
C18	4.680	0.006	792	826	OR.MOIL (C28-C40)	4215308	374
C20	4.995	-0.002	4092	565			
C22	5.297	0.002	14163	2257	STODDARD (C8-C12)	59998	2
C24	5.603	-0.002	26760	11570			
C25	5.763	0.000	33992	19778			
C26	5.920	-0.005	37559	18198			
C28	6.244	0.000	44040	11198			
C32	6.859	0.004	55632	20367			
C34	7.140	-0.002	54738	8607	CREOSOT (C8-C22)	321829	50
Filter Peak	----						
C36	7.417	0.003	46071	10813	BUNKERC (C10-C38)	6015002	696
o-terph	4.762	-0.001	3014	3359	JET-A (C10-C18)	83178	5
Triacon Surr	6.559	-0.004	865302	894205	IT.MOIL (C24-C40)	6543338	305

Range Times: NW Diesel(3.515 - 5.654) NW Gas(0.976 - 3.515) NW M.Oil(5.654 - 7.721)
AK102(2.805 - 5.713) AK103(5.713 - 7.464) Jet A(2.805 - 4.724)

Surrogate	Area	Amount	%Rec
o-Terphenyl	3359	0.2	0.4
Triacontane	894205	53.5	118.8

8/10/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100807b.b/0807raw.b/0807b076.d

Date : 08-AUG-2010 10:31

Client ID: MOIL#7

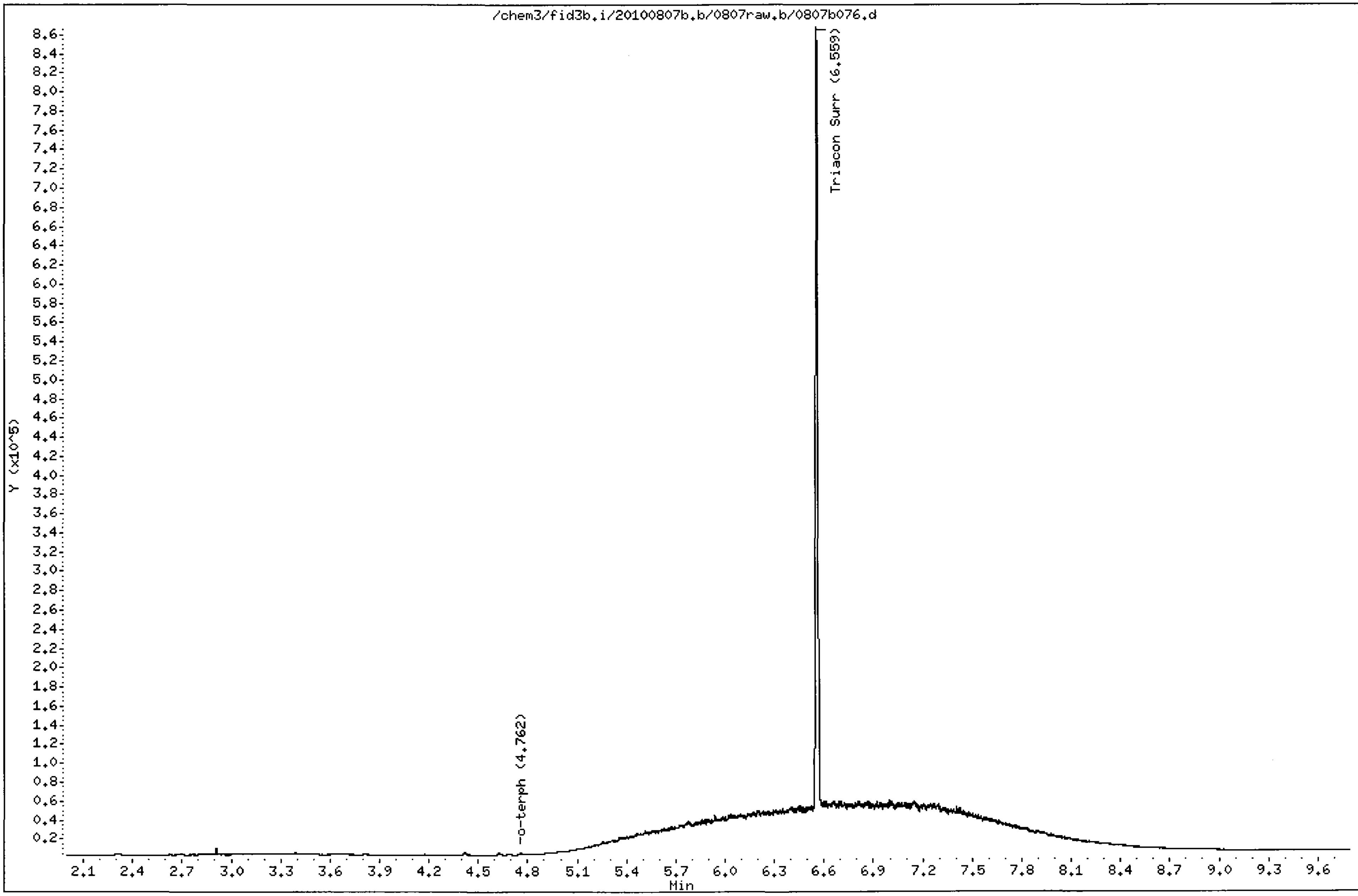
Instrument: fid3b.i

Sample Info: MOIL#7

Operator: JR

Column phase: RTX-1

Column diameter: 2.00



RG58 : 01202

Analytical Resources Inc.: Organics Instrument Log

FID-3B Serial No.: US00003232

Date: 8/11/10 Analysis: NWTPHD Analyst: MA

GC Program: TPHT Column No: 162178 Column Type: ZB1 FT

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

Calibration File: — Curve Date: 7/30/10

IS/SS

Ical/Ccal

1700 -1
1712
1730 -3
1755 -2

LCS/ICV

	Time	Filename	LabID	ClientId	DF
1	1312	0811b001.d	RINSE		1
2	1331	0811b002.d	RT		1
3	1350	0811b003.d	IB		1
4	1409	0811b004.d	DIESEL#1		1
5	1429	0811b005.d	MOIL#1		1
6	1501	0811b006.d	RH84C		5
7	1520	0811b007.d	RH84A	IT-RRM-SSI-0	1
8	1540	0811b008.d	RH84B	IT-RRM-SSI-0	1
9	1559	0811b009.d	RH56LCSS1		1
10	1619	0811b010.d	RH84C	IT-RRM-SSI-0	1
11	1638	0811b011.d	RH56LCSDS1		1
12	1658	0811b012.d	RH56MBS1		1
13	1717	0811b013.d	DIESEL#2		1
14	1737	0811b014.d	MOIL#2		1
15	1756	0811b015.d	RH56A		1
16	1816	0811b016.d	RH56B		1
17	1835	0811b017.d	RH56C		1
18	1854	0811b018.d	RH56D		1
19	1913	0811b019.d	RH56E		1
20	1933	0811b020.d	RH56F		1
21	1952	0811b021.d	RH56G		1
22	2011	0811b022.d	RH56GMS		1
23	2030	0811b023.d	RH56GMSD		1
24	2049	0811b024.d	RH56H		1
25	2108	0811b025.d	RH56I		1
26	2128	0811b026.d	RH56J		1
27	2147	0811b027.d	RH56K		1
28	2206	0811b028.d	RG58R		1
29	2224	0811b029.d	DIESEL#3		1
30	2243	0811b030.d	MOIL#3		1
31	2302	0811b031.d	RH40A		1
32	2321	0811b032.d	RH40B		1
33	2340	0811b033.d	RH42A		1
34	2359	0811b034.d	RH42B		1
35	0018	0811b035.d	RH53A		1
36	0037	0811b036.d	RH53B		1
37	0056	0811b037.d	RH53C		1
38	0115	0811b038.d	RH53D		1
39	0134	0811b039.d	RH40LCSW1		1
40	0153	0811b040.d	RH40LCSDW1		1
41	0212	0811b041.d	RH40MBW1		1
42	0231	0811b042.d	DIESEL#4		1
43	0250	0811b043.d	MOIL#4		1

8/11

Maintenance / Comments None

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, Incorporated
Analytical Chemists and Consultants

GC Analyst Notes / Corrective Action Log

ARI Project ID: RG58 Client ID: FLOYD/SNIDER

ARI SOP: **403S**(PCB) **405S**(Herb) ~~**407S**(TPH-D)~~ **409S**(HCID) **412S**(PCP) **423S**(Pest)
427S(Dir Inj) **428S**(EPH) **432S**(EDB) **Other**

Parameter(s): Diesel, MOil, oTeph.

Instrument: FID-3A (FID-3B) FID-4A FID-4B FID-5 FID-7 FID-8
FID-9 ECD-1 ECD-3 ECD-4 ECD-5 ECD-6 ECD-7

Dates: Curve: 7/30/10 Analysis Start: 8/11/10

Endrin/DDT Breakdown <15%?	YES / NO / ~~NA~~	Method Blank In Control?	(YES) / NO
ICal Meets RF & %RSD Criteria?	(YES) / NO	LCS/LCSD Recovery In Control?	(YES) / NO
CCal Meets RF & %RSD Criteria?	(YES) / NO	Surrogate Recovery In Control?	(YES) / NO
Manual Integrations for ICal?	(YES) / NO	Manual Integrations for Samples?	(YES) / NO
Internal Standard Meets Criteria?	YES / NO / ~~NA~~	Special Analysis Criteria Met?	YES / NO / ~~NA~~

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

Sample R was reextracted in-hold. There was sample loss in the initial extraction.

MS 8/13/10

Additional Details on Reverse: Yes / (No)

Analyst: MS **Date:** 8/13/10

Reviewer: [signature] **Date:** 8/13/10

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b002.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: RT
Client ID:
Injection: 11-AUG-2010 13:31
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.026	0.000	372416	307851	GAS (Tol-C12)	1011161	37
C8	1.319	0.000	168591	213004	DIESEL (C12-C24)	1431676	67
C10	2.855	0.000	395761	220980	M.OIL (C24-C38)	1757970	146
C12	3.465	0.000	407354	205805	AK-102 (C10-C25)	1905085	79
C14	3.923	0.000	358188	212911	AK-103 (C25-C36)	1568732	176
C16	4.319	0.000	360947	214940	OR.DIES (C10-C28)	2725992	129
C18	4.673	0.000	392839	223803	OR.MOIL (C28-C40)	1089888	97
C20	4.994	0.000	349224	221112			
C22	5.293	0.000	328695	220334	STODDARD (C8-C12)	703309	25
C24	5.602	0.000	328233	229730			
C25	5.761	0.000	452912	324445			
C26	5.922	0.000	294097	237386			
C28	6.242	0.000	281261	240277			
C32	6.853	0.000	262767	239344			
C34	7.141	0.000	224979	223359	CREOSOT (C8-C22)	1885978	295
Filter Peak	----						
C36	7.412	0.000	186157	99752	BUNKERC (C10-C38)	3657282	423
o-terph	4.760	0.000	1521526	822105	JET-A (C10-C18)	1175379	74
Triacon Surr	6.558	0.000	906868	786734	IT.MOIL (C24-C40)	2703302	126

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

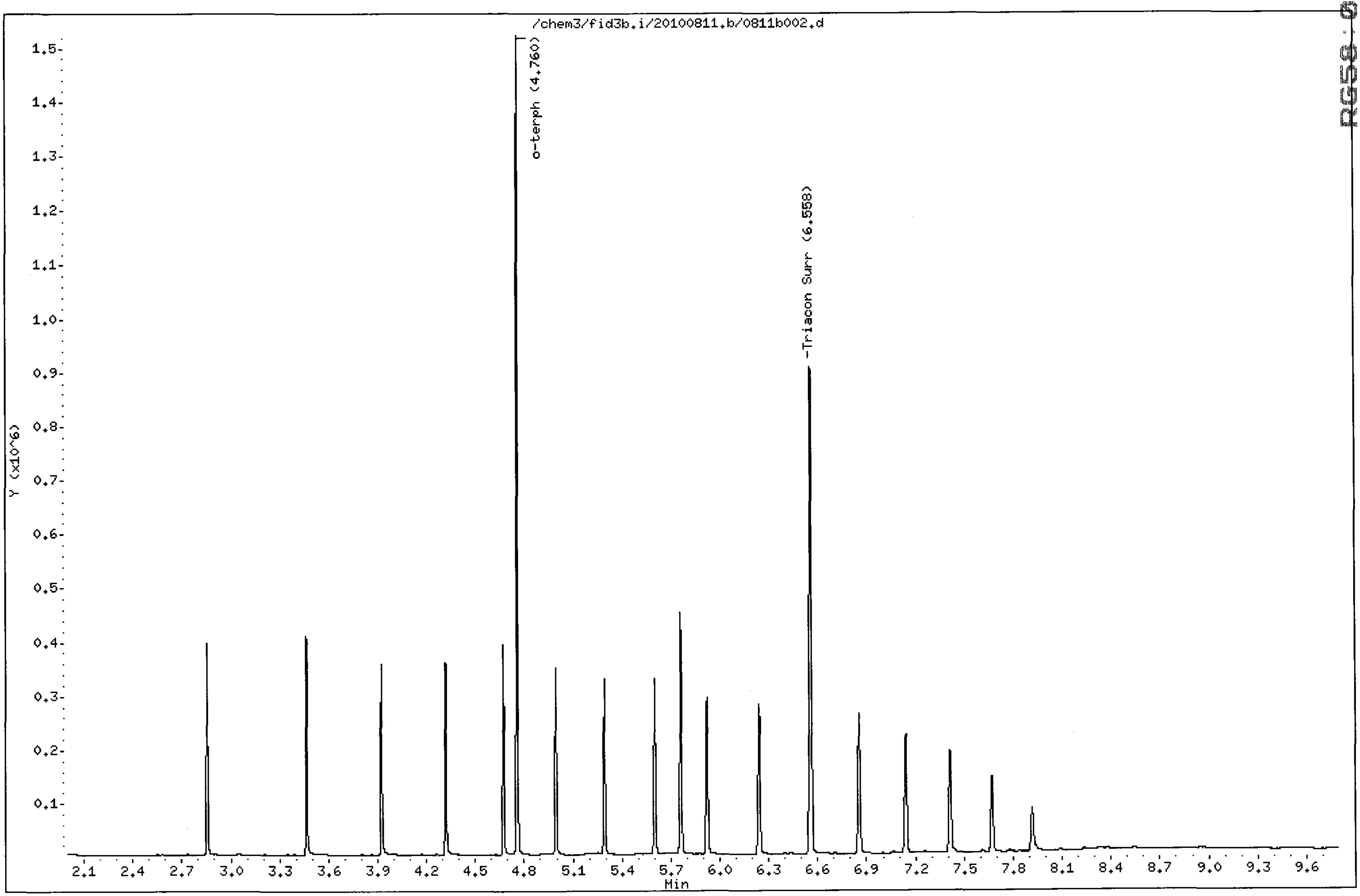
Surrogate	Area	Amount	%Rec
o-Terphenyl	822105	41.2	91.6
Triacontane	786734	47.0	104.5

8/13/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b002.d
Date : 11-AUG-2010 13:31
Client ID:
Sample Info: RT
Column phase: RTX-1

Instrument: fid3b.i
Operator: MS
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b003.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: IB
Client ID:
Injection: 11-AUG-2010 13:50
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	37338	1
C8	----				DIESEL (C12-C24)	36410	2
C10	2.858	0.003	767	655	M.OIL (C24-C38)	92545	8
C12	3.464	-0.001	614	377	AK-102 (C10-C25)	60192	2
C14	3.928	0.005	360	117	AK-103 (C25-C36)	65821	7
C16	4.316	-0.003	159	24	OR.DIES (C10-C28)	64108	3
C18	4.673	0.000	126	44	OR.MOIL (C28-C40)	128356	11
C20	4.983	-0.011	572	699			
C22	5.294	0.001	157	89	STODDARD (C8-C12)	37338	1
C24	5.602	0.001	43	12			
C25	5.766	0.005	66	14			
C26	5.922	0.000	70	28			
C28	6.245	0.003	440	430			
C32	6.843	-0.011	845	149			
C34	7.139	-0.002	1037	1281	CREOSOT (C8-C22)	72915	11
Filter Peak	----						
C36	7.411	-0.001	1153	1155	BUNKERC (C10-C38)	152716	18
o-terph	4.761	0.001	1405890	788724	JET-A (C10-C18)	42903	3
Triacon Surr	6.556	-0.002	689672	654640	IT.MOIL (C24-C40)	786933	37

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	788724	39.6	87.9
Triacontane	654640	39.1	87.0

8/13/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b003.d

Page 1

Date : 11-AUG-2010 13:50

Client ID:

Instrument: fid3b.i

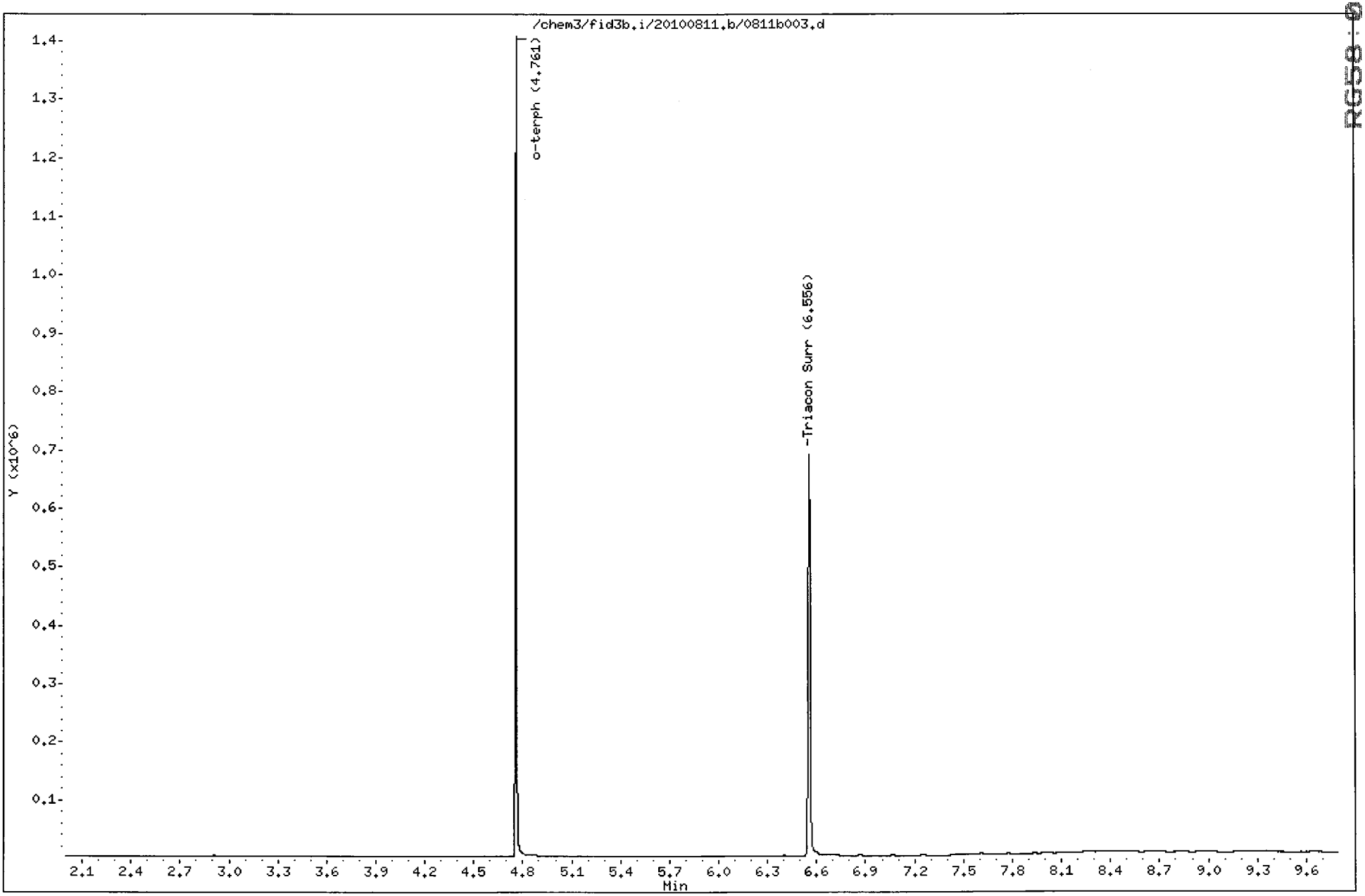
Sample Info: IB

Operator: MS

Column phase: RTX-1

Column diameter: 2.00

RG58-61268



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b004.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: DIESEL#1
Client ID:
Injection: 11-AUG-2010 14:09
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	798844	29
C8	----				DIESEL (C12-C24)	5542845	259
C10	2.855	0.000	29617	20379	M.OIL (C24-C38)	87143	7
C12	3.465	0.001	71338	51670	AK-102 (C10-C25)	6201528	257
C14	3.923	0.000	141616	102659	AK-103 (C25-C36)	60607	7
C16	4.318	-0.001	246209	196088	OR.DIES (C10-C28)	6241578	296
C18	4.672	-0.001	220559	166789	OR.MOIL (C28-C40)	61838	5
C20	4.995	0.001	130879	101618			
C22	5.293	0.000	54045	50635	STODDARD (C8-C12)	798844	29
C24	5.604	0.002	10938	18173			
C25	5.763	0.002	3609	1681			
C26	5.922	0.001	1239	292			
C28	6.240	-0.001	214	141			
C32	6.842	-0.011	99	32			
C34	7.146	0.005	174	129	CREOSOT (C8-C22)	6153933	962
Filter Peak	----						
C36	7.412	0.000	606	129	BUNKERC (C10-C38)	6274756	726
o-terph	4.761	0.001	1774311	919032	JET-A (C10-C18)	4550925	287
Triacon Surr	6.560	0.002	109	47	IT.MOIL (C24-C40)	115850	5

MANUAL ADJUSTMENTS

1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date _____

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) JetA(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	919032	46.1	102.5
Triacontane	47	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

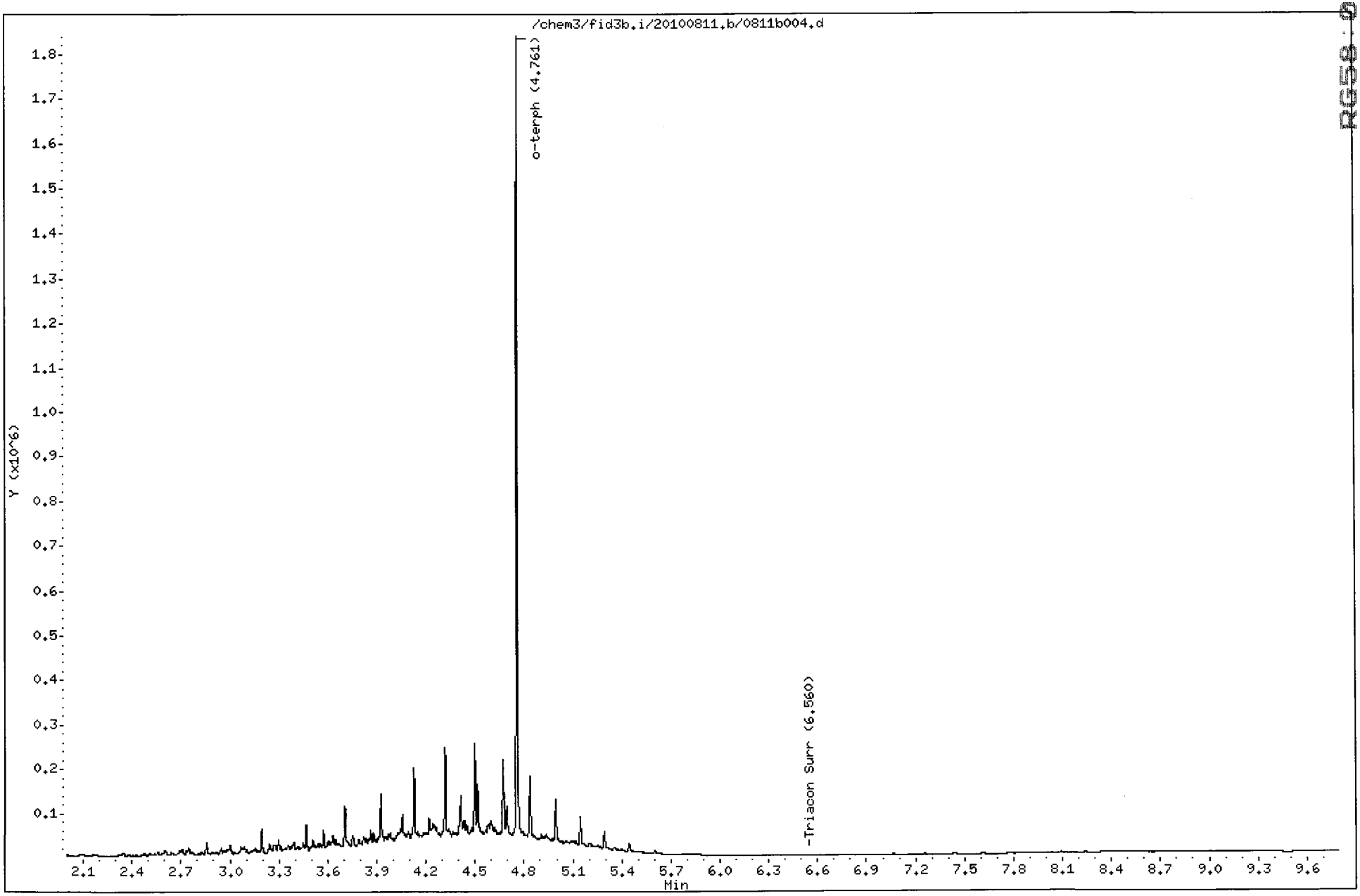
Data File: /chem3/fid3b.i/20100811.b/0811b004.d
Date : 11-AUG-2010 14:09
Client ID:
Sample Info: DIESEL#1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1

RG58-01210



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b005.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: MOIL#1
Client ID:
Injection: 11-AUG-2010 14:29
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	33873	1
C8	----				DIESEL (C12-C24)	682668	32
C10	2.858	0.003	858	1033	M.OIL (C24-C38)	5769580	478
C12	3.463	-0.002	548	216	AK-102 (C10-C25)	814296	34
C14	3.922	-0.001	347	100	AK-103 (C25-C36)	5064949	567
C16	4.324	0.005	186	32	OR.DIES (C10-C28)	2188735	104
C18	4.671	-0.001	514	127	OR.MOIL (C28-C40)	4672735	414
C20	4.995	0.001	4009	791			
C22	5.293	0.001	14669	2904	STODDARD (C8-C12)	33873	1
C24	5.601	-0.001	28719	17935			
C25	5.764	0.003	34056	9969			
C26	5.925	0.003	40336	17635			
C28	6.239	-0.002	47974	9387			
C32	6.852	-0.001	61486	38264			
C34	7.145	0.004	60446	20728	CREOSOT (C8-C22)	289082	45
Filter Peak	----						
C36	7.413	0.002	49260	42517	BUNKERC (C10-C38)	6475949	749
o-terph	4.761	0.000	1297	1356	JET-A (C10-C18)	51913	3
Triacon Surr	6.560	0.001	864258	775014	IT.MOIL (C24-C40)	6930115	323

MANUAL ADJUSTMENTS

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) JetA(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	1356	0.1	0.2
Triacontane	775014	46.3	103.0

1. Peak Found
2. Peak Not Found
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/13/10

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b005.d

Page 1

Date : 11-AUG-2010 14:29

Client ID:

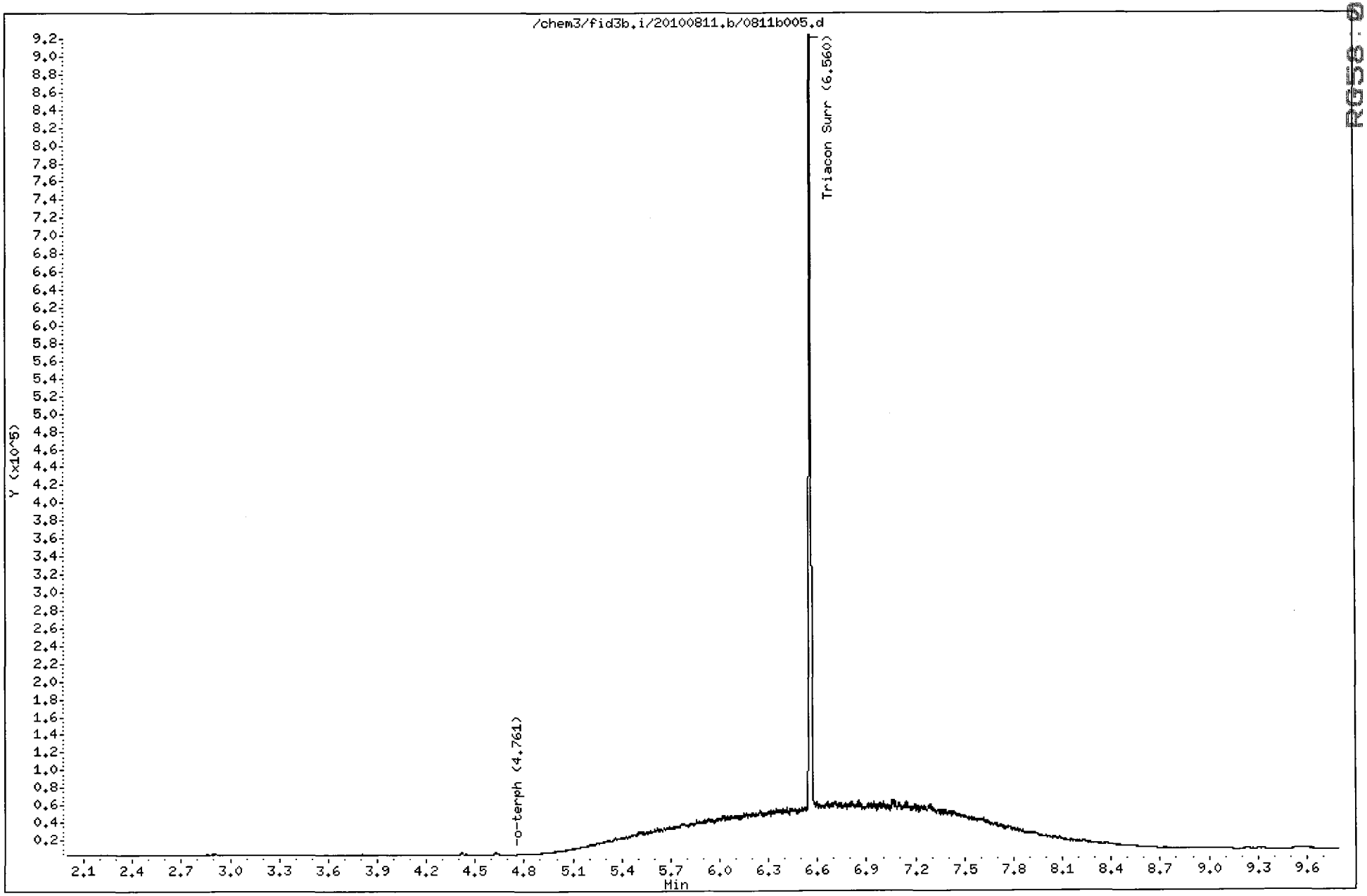
Instrument: fid3b.i

Sample Info: MOIL#1

Operator: MS

Column phase: RTX-1

Column diameter: 2.00



RG58-01212

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b009.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/12/2010
Macro: FID:3B073010

ARI ID: RH56LCSS1
Client ID: RH56LCSS1
Injection: 11-AUG-2010 15:59
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3763206	138
C8	----				DIESEL (C12-C24)	27310578	1276
C10	2.857	0.002	141748	96964	M.OIL (C24-C38)	372258	31
C12	3.466	0.002	366452	264012	AK-102 (C10-C25)	30478920	1264
C14	3.925	0.002	675179	614810	AK-103 (C25-C36)	279628	31
C16	4.322	0.003	1227520	1056483	OR.DIES (C10-C28)	30704844	1456
C18	4.678	0.006	1089531	864874	OR.MOIL (C28-C40)	98010	9
C20	4.997	0.003	756666	594345			
C22	5.294	0.001	325555	285650	STODDARD (C8-C12)	3763206	136
C24	5.600	-0.001	83519	95473			
C25	5.760	-0.001	36961	49547			
C26	5.922	0.001	13530	22111			
C28	6.241	0.000	3317	3039			
C32	6.849	-0.004	684	177			
C34	7.139	-0.002	987	1312	CREOSOT (C8-C22)	30100033	4706
Filter Peak	----						
C36	7.413	0.001	794	314	BUNKERC (C10-C38)	30775555	3561
o-terph	4.764	0.004	1544279	811510	JET-A (C10-C18)	22174743	1399
Triacon Surr	6.557	-0.001	797698	718448	IT.MOIL (C24-C40)	1118005	52

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	811510	40.7	90.5
Triacontane	718448	43.0	95.5

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

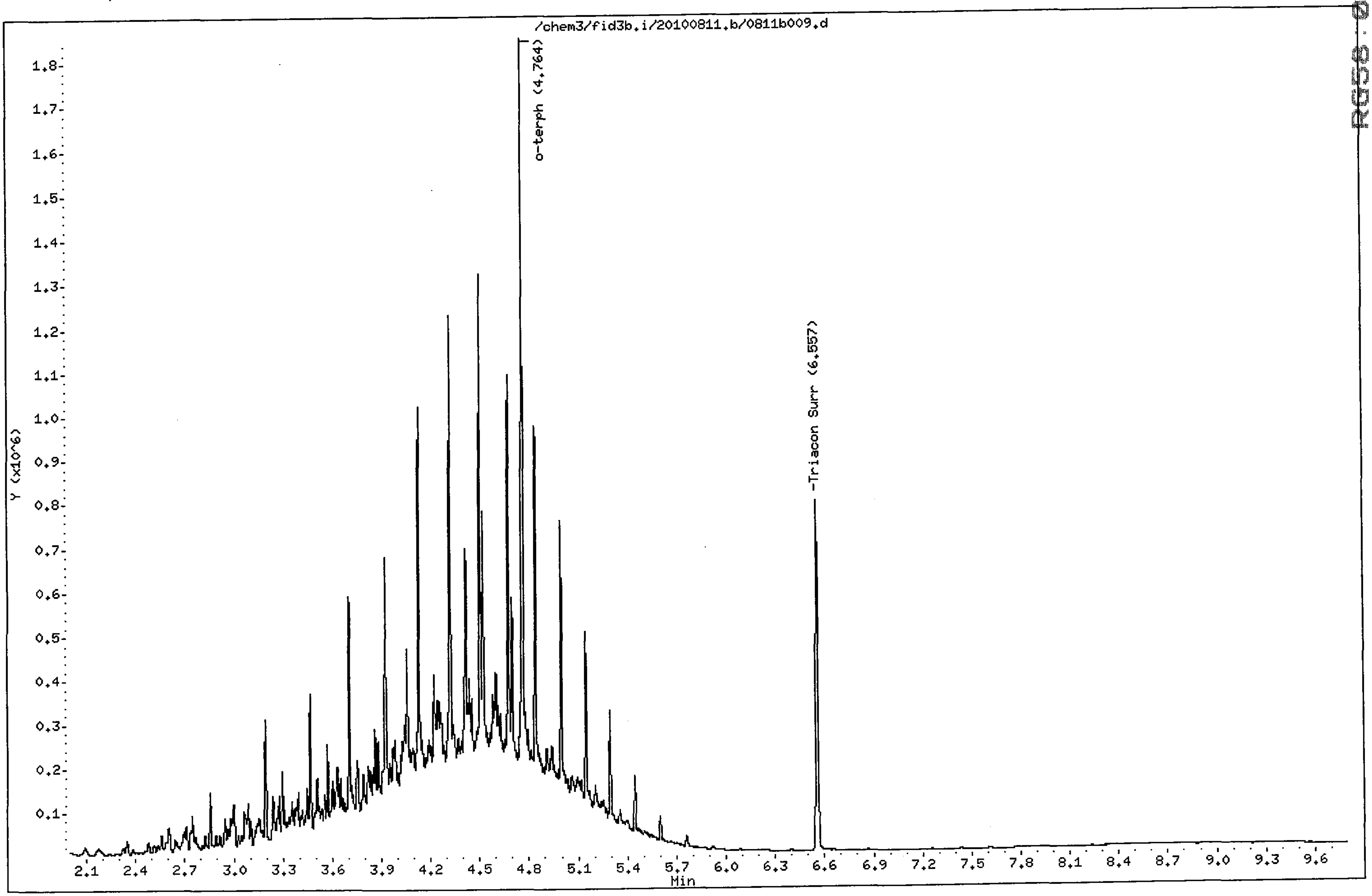
Analyst _____ Date 8/12/10

Data File: /chem3/fid3b.i/20100811.b/0811b009.d
Date : 11-AUG-2010 15:59
Client ID: RH56LCSS1
Sample Info: RH56LCSS1

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b011.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/12/2010
Macro: FID:3B073010

ARI ID: RH56LCSDS1
Client ID: RH56LCSDS1
Injection: 11-AUG-2010 16:38
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	3769366	138
C8	----				DIESEL (C12-C24)	27383860	1280
C10	2.856	0.002	137266	93584	M.OIL (C24-C38)	445976	37
C12	3.466	0.002	376650	262695	AK-102 (C10-C25)	30550773	1267
C14	3.926	0.003	699297	484922	AK-103 (C25-C36)	326361	37
C16	4.323	0.004	1183819	1015541	OR.DIES (C10-C28)	30788957	1460
C18	4.677	0.004	1141490	843835	OR.MOIL (C28-C40)	186346	17
C20	4.997	0.003	714295	552633			
C22	5.294	0.002	326906	287447	STODDARD (C8-C12)	3769366	136
C24	5.601	0.000	86174	85763			
C25	5.760	-0.001	37268	45679			
C26	5.921	0.000	14032	22016			
C28	6.240	-0.002	3024	1994			
C32	6.845	-0.008	1083	424			
C34	7.136	-0.005	1992	1717	CREOSOT (C8-C22)	30161468	4716
Filter Peak	----						
C36	7.407	-0.005	2066	2594	BUNKERC (C10-C38)	30916943	3577
o-terph	4.763	0.003	1516763	804556	JET-A (C10-C18)	22306653	1408
Triacon Surr	6.558	0.000	795953	719754	IT.MOIL (C24-C40)	1224089	57

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	804556	40.4	89.7
Triacontane	719754	43.0	95.6

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

MANUAL ADJUSTMENTS

1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/12/10

Data File: /chem3/fid3b.i/20100811.b/0811b011.d
Date : 11-AUG-2010 16:38
Client ID: RH56LCSDS1
Sample Info: RH56LCSDS1

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

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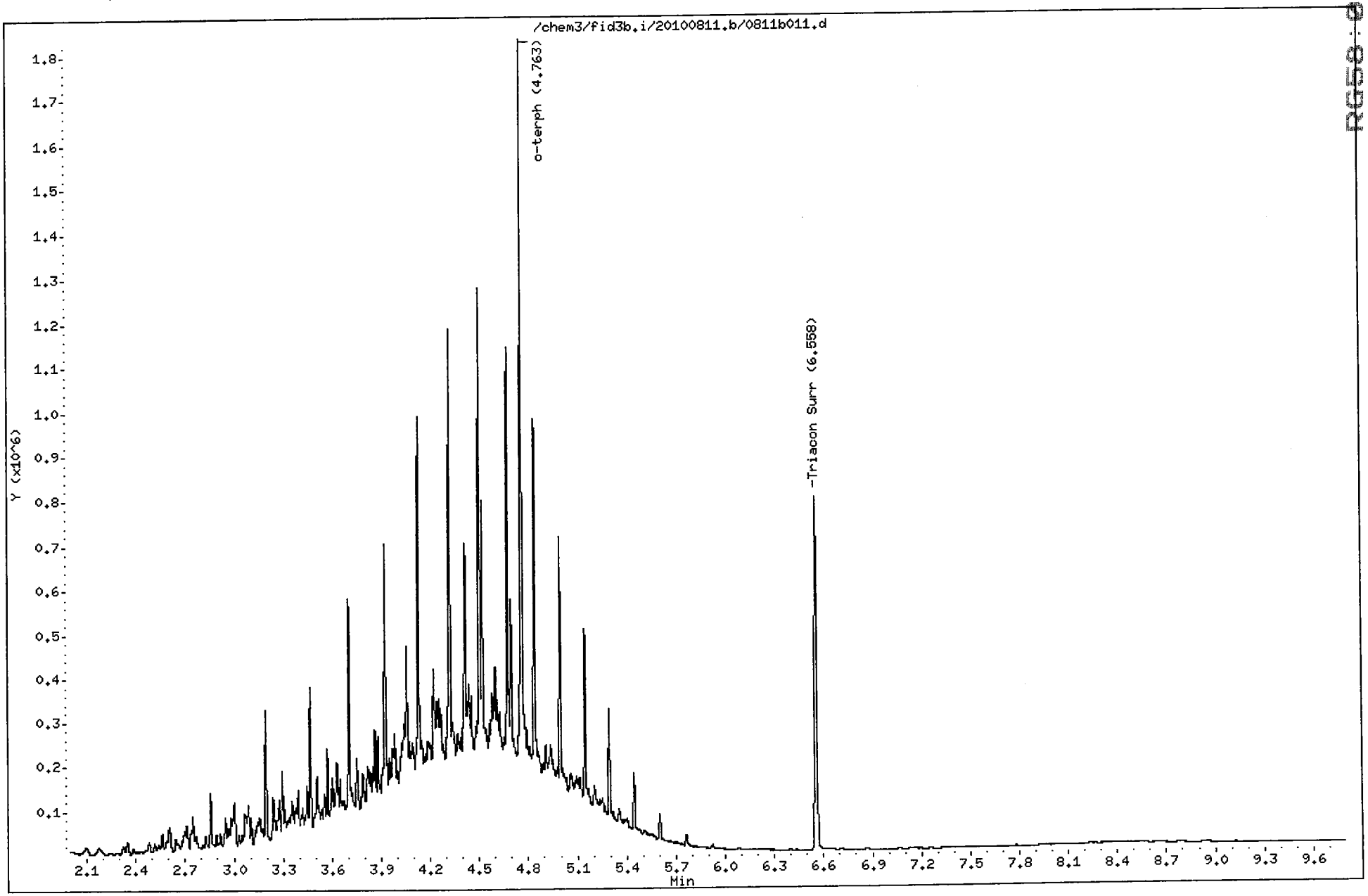


Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b012.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/12/2010
Macro: FID:3B073010

ARI ID: RH56MBS1
Client ID: RH56MBS1
Injection: 11-AUG-2010 16:58
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	125810	5
C8	----				DIESEL (C12-C24)	105607	5
C10	2.859	0.004	2005	1962	M.OIL (C24-C38)	92793	8
C12	3.469	0.004	1097	258	AK-102 (C10-C25)	168390	7
C14	3.923	0.000	902	660	AK-103 (C25-C36)	68821	8
C16	4.312	-0.007	670	170	OR.DIES (C10-C28)	175148	8
C18	4.675	0.002	861	810	OR.MOIL (C28-C40)	118692	11
C20	4.988	-0.007	859	773			
C22	5.293	0.001	498	230	STODDARD (C8-C12)	125810	5
C24	5.603	0.001	355	183			
C25	5.770	0.008	325	172			
C26	5.917	-0.005	245	160			
C28	6.241	-0.001	617	699			
C32	6.842	-0.011	856	460			
C34	7.140	-0.001	1325	2129	CREOSOT (C8-C22)	224729	35
Filter Peak	----						
C36	7.409	-0.002	1051	452	BUNKERC (C10-C38)	260803	30
o-terph	4.762	0.002	1446440	800476	JET-A (C10-C18)	137234	9
Triacon Surr	6.559	0.001	803243	673995	IT.MOIL (C24-C40)	799824	37

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	800476	40.2	89.2
Triacontane	673995	40.3	89.5

8/12/10

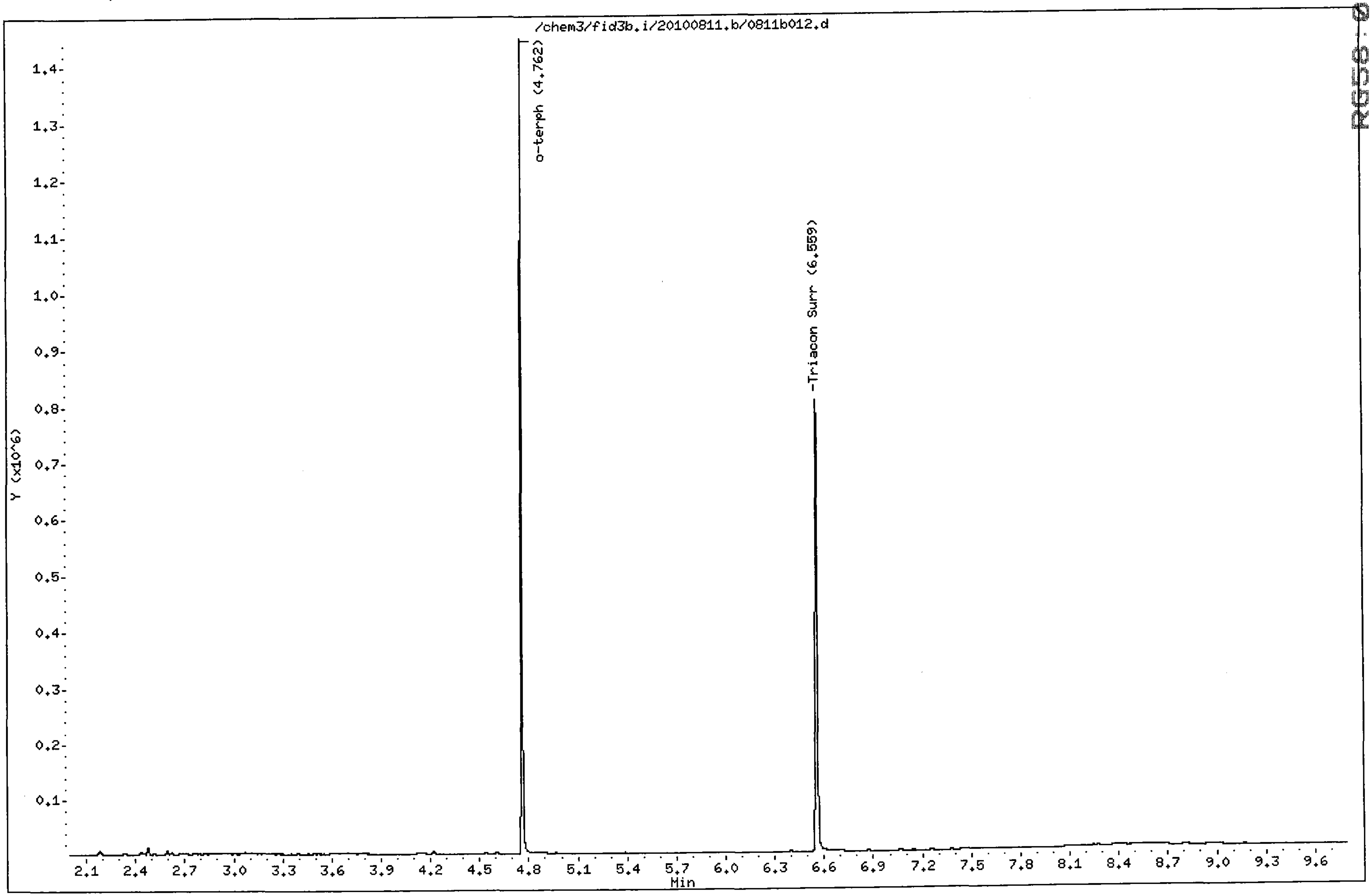
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b012.d
Date : 11-AUG-2010 16:58
Client ID: RH56MBS1
Sample Info: RH56MBS1

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b013.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: DIESEL#2
Client ID:
Injection: 11-AUG-2010 17:17
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	806111	29
C8	----				DIESEL (C12-C24)	5453138	255
C10	2.856	0.001	29475	20590	M.OIL (C24-C38)	80709	7
C12	3.465	0.000	67291	52520	AK-102 (C10-C25)	6113567	254
C14	3.924	0.000	143917	117358	AK-103 (C25-C36)	52093	6
C16	4.319	0.000	250050	202721	OR.DIES (C10-C28)	6151523	292
C18	4.673	0.001	220597	168814	OR.MOIL (C28-C40)	53025	5
C20	4.996	0.001	136192	119862			
C22	5.293	0.001	51703	55165	STODDARD (C8-C12)	806111	29
C24	5.603	0.001	10826	12577			
C25	5.772	0.011	3988	5765			
C26	5.918	-0.004	1265	836			
C28	6.248	0.006	193	106			
C32	6.850	-0.004	91	27			
C34	7.141	0.000	224	46	CREOSOT (C8-C22)	6077281	950
Filter Peak	----						
C36	7.412	0.000	646	215	BUNKERC (C10-C38)	6178153	715
o-terph	4.762	0.002	1600097	903826	JET-A (C10-C18)	4483707	283
Triacon Surr	6.556	-0.002	101	38	IT.MOIL (C24-C40)	107142	5

MANUAL ADJUSTMENTS

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet-A(2.805 - 4.723)

1. Start not Correct
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/13/10

Surrogate	Area	Amount	%Rec
o-Terphenyl	903826	45.3	100.8
Triacontane	38	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b013.d

Date : 11-AUG-2010 17:17

Client ID:

Sample Info: DIESEL#2

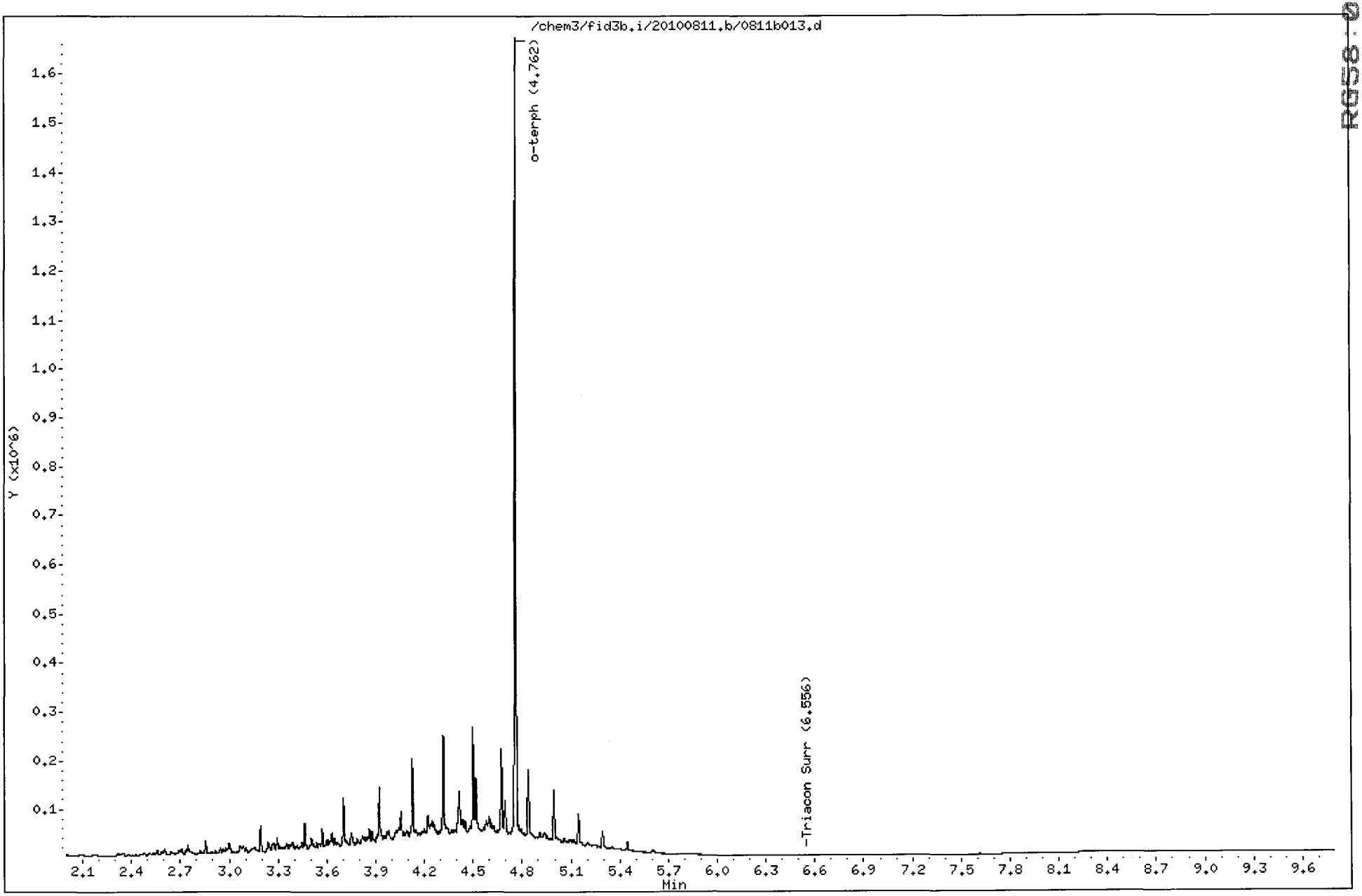
Column phase: RTX-1

Instrument: fid3b.i

Operator: MS

Column diameter: 2.00

RGS-012209



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b014.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: MOIL#2
Client ID:
Injection: 11-AUG-2010 17:37
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	38833	1
C8	----				DIESEL (C12-C24)	683522	32
C10	2.859	0.004	923	1143	M.OIL (C24-C38)	5631299	466
C12	3.470	0.005	598	176	AK-102 (C10-C25)	819069	34
C14	3.924	0.001	403	141	AK-103 (C25-C36)	4944998	554
C16	4.321	0.002	240	155	OR.DIES (C10-C28)	2170071	103
C18	4.670	-0.002	559	150	OR.MOIL (C28-C40)	4566864	405
C20	4.998	0.003	4180	810			
C22	5.287	-0.005	14748	7070	STODDARD (C8-C12)	38833	1
C24	5.598	-0.004	28816	17790			
C25	5.762	0.001	33909	6629			
C26	5.923	0.001	37897	8940			
C28	6.240	-0.002	49449	22396			
C32	6.850	-0.003	60149	27359			
C34	7.140	-0.001	58039	32481	CREOSOT (C8-C22)	295727	46
Filter Peak	----						
C36	7.413	0.002	46911	21608	BUNKERC (C10-C38)	6340919	734
o-terph	4.762	0.001	1400	1795	JET-A (C10-C18)	57949	4
Triacon Surr	6.559	0.001	862510	772411	IT.MOIL (C24-C40)	6799727	316

MANUAL ADJUSTMENTS

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other

Analyst _____ Date 8/13/10

Surrogate	Area	Amount	%Rec
o-Terphenyl	1795	0.1	0.2
Triacontane	772411	46.2	102.6

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b014.d

Page 1

Date : 11-AUG-2010 17:37

Client ID:

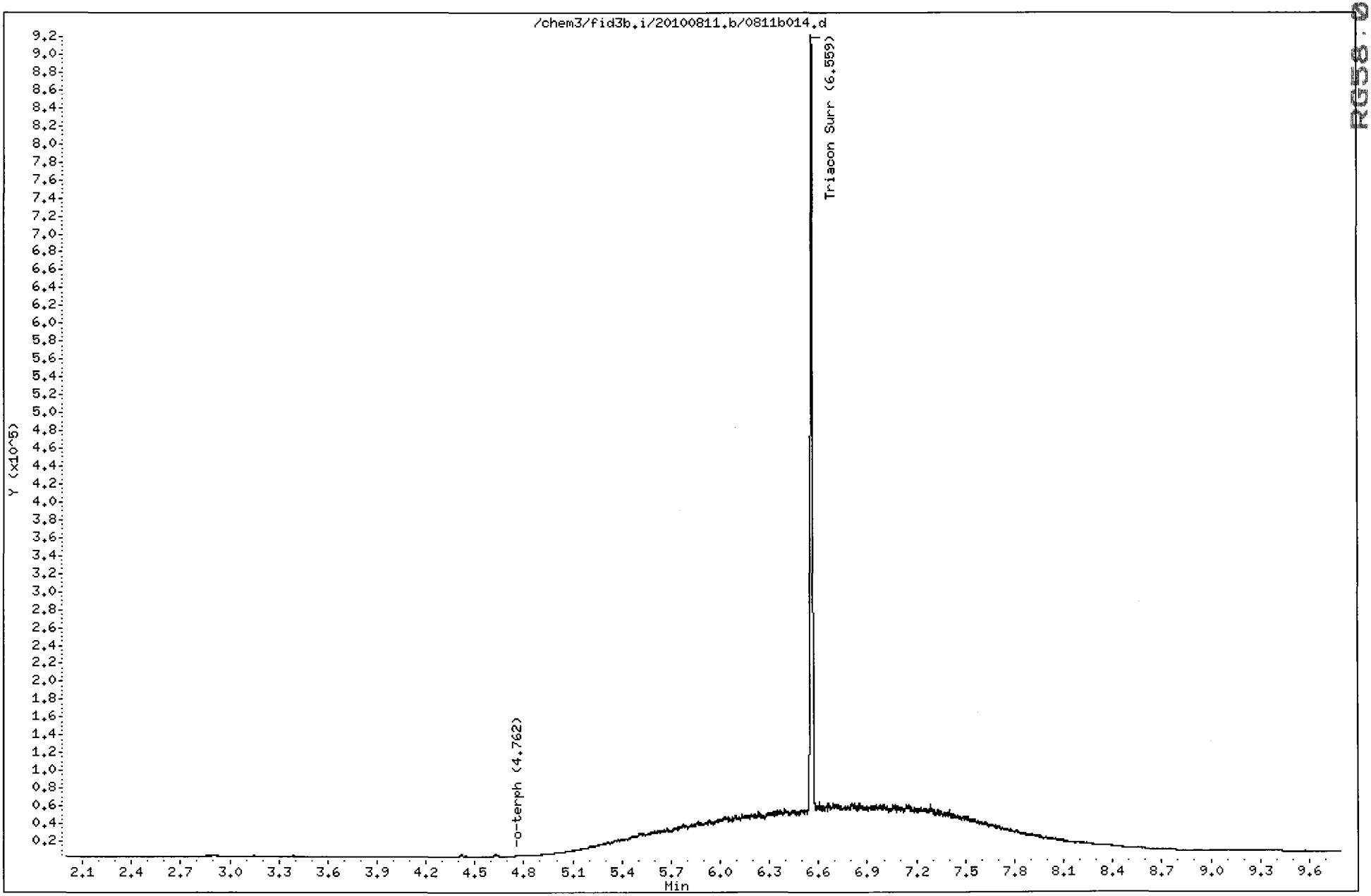
Instrument: fid3b.i

Sample Info: MOIL#2

Operator: MS

Column phase: RTX-1

Column diameter: 2.00



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b028.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/12/2010
Macro: FID:3B073010

ARI ID: RG58R
Client ID: PSB24-14-16-072910
Injection: 11-AUG-2010 22:06
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	96977	4
C8	----				DIESEL (C12-C24)	113104	5
C10	2.858	0.003	1336	1648	M.OIL (C24-C38)	91098	8
C12	3.469	0.004	1124	111	AK-102 (C10-C25)	172500	7
C14	3.920	-0.003	970	1138	AK-103 (C25-C36)	73030	8
C16	4.328	0.009	2373	2948	OR.DIES (C10-C28)	184603	9
C18	4.677	0.004	527	414	OR.MOIL (C28-C40)	100437	9
C20	4.983	-0.011	868	763			
C22	5.287	-0.006	580	444	STODDARD (C8-C12)	96977	4
C24	5.595	-0.007	304	115			
C25	5.767	0.006	623	418			
C26	5.917	-0.005	354	59			
C28	6.244	0.002	923	841			
C32	6.857	0.004	1008	456			
C34	7.140	-0.001	803	235	CREOSOT (C8-C22)	204720	32
Filter Peak	----						
C36	7.411	-0.001	882	257	BUNKERC (C10-C38)	262991	30
o-terph	4.761	0.001	1239201	667322	JET-A (C10-C18)	144403	9
Triacon Surr	6.557	-0.001	620887	546973	IT.MOIL (C24-C40)	660121	31

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	667322	33.5	74.4
Triacontane	546973	32.7	72.7

MRS 8/12/10

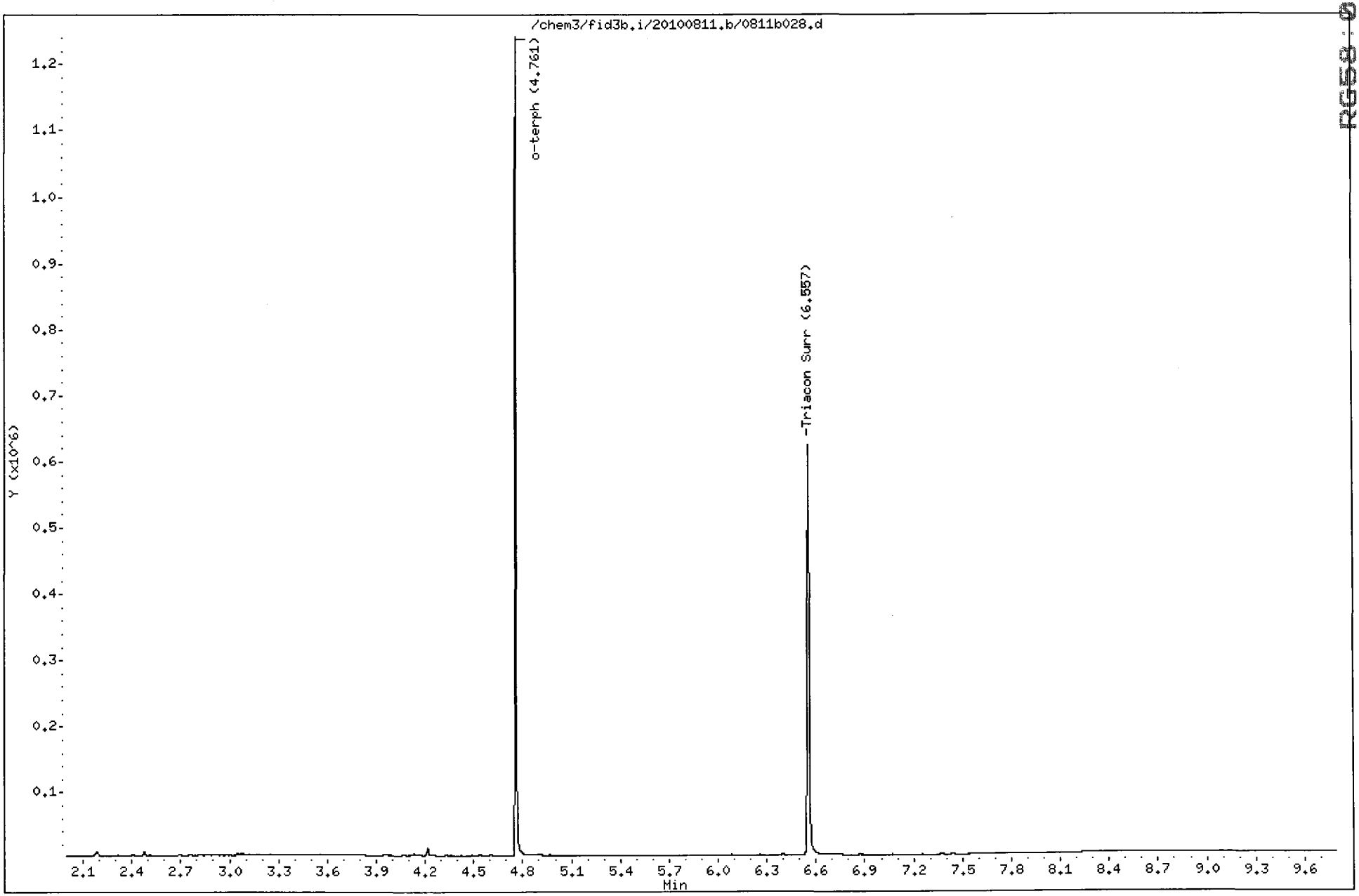
Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b028.d
Date : 11-AUG-2010 22:06
Client ID: PSB24-14-16-072910
Sample Info: RG58R

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

Column phase: RTX-1



RG58-012224

Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b029.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: DIESEL#3
Client ID:
Injection: 11-AUG-2010 22:24
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	839878	31
C8	----				DIESEL (C12-C24)	5484226	256
C10	2.856	0.001	29918	21007	M.OIL (C24-C38)	74473	6
C12	3.465	0.000	71274	50229	AK-102 (C10-C25)	6167821	256
C14	3.923	0.000	137317	123398	AK-103 (C25-C36)	51926	6
C16	4.318	-0.001	245249	199098	OR.DIES (C10-C28)	6211356	295
C18	4.674	0.001	226471	181144	OR.MOIL (C28-C40)	31255	3
C20	4.996	0.002	134978	124096			
C22	5.294	0.001	57650	53919	STODDARD (C8-C12)	839878	30
C24	5.603	0.002	11060	10863			
C25	5.758	-0.003	3020	713			
C26	5.927	0.005	1311	587			
C28	6.242	0.000	255	53			
C32	6.851	-0.002	41	8			
C34	7.136	-0.005	125	42	CREOSOT (C8-C22)	6136136	959
Filter Peak	----						
C36	7.414	0.002	349	117	BUNKERC (C10-C38)	6227703	721
o-terph	4.763	0.002	1706532	929664	JET-A (C10-C18)	4512268	285
Triacon Surr	6.555	-0.003	79	15	IT.MOIL (C24-C40)	89396	4

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst _____ Date 8/13/10

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

Surrogate	Area	Amount	%Rec
o-Terphenyl	929664	46.6	103.6
Triacontane	15	0.0	0.0

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

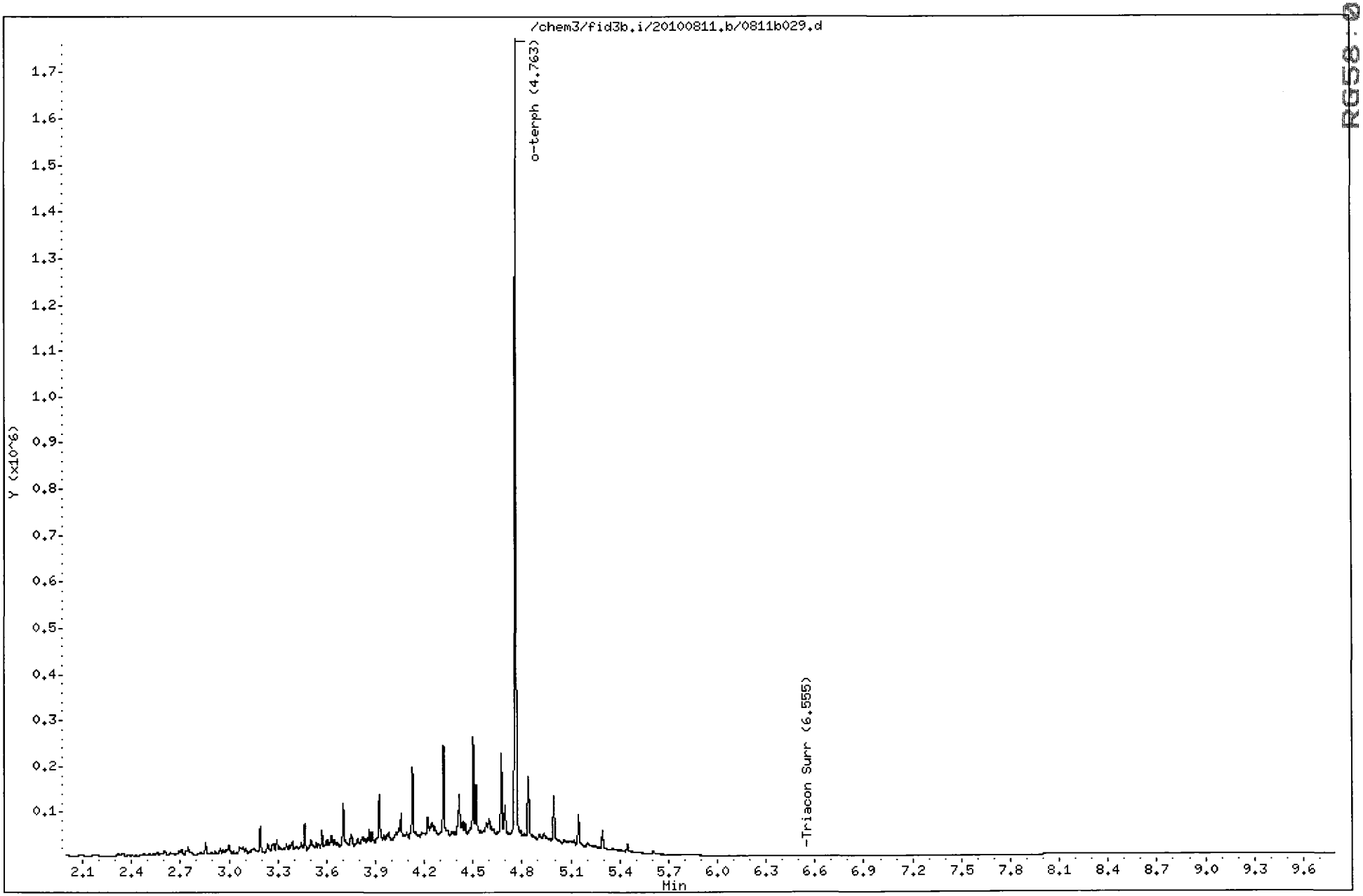
Data File: /chem3/fid3b.i/20100811.b/0811b029.d
Date : 11-AUG-2010 22:24
Client ID:
Sample Info: DIESEL#3

Column phase: RTX-1

Instrument: fid3b.i

Operator: MS
Column diameter: 2.00

RG58-91226



Analytical Resources Inc.
407S TPH Quantitation Report

Data file: /chem3/fid3b.i/20100811.b/0811b030.d
Method: /chem3/fid3b.i/20100811.b/ftphfid3b.m
Instrument: fid3b.i
Operator: MS
Report Date: 08/13/2010
Macro: FID:3B073010

ARI ID: MOIL#3
Client ID:
Injection: 11-AUG-2010 22:43
Dilution Factor: 1

FID:3B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	46047	2
C8	----				DIESEL (C12-C24)	706687	33
C10	2.858	0.003	1021	1116	M.OIL (C24-C38)	5788545	479
C12	3.467	0.002	691	299	AK-102 (C10-C25)	843235	35
C14	3.923	0.000	458	189	AK-103 (C25-C36)	5113570	572
C16	4.317	-0.002	282	110	OR.DIES (C10-C28)	2248769	107
C18	4.674	0.001	641	270	OR.MOIL (C28-C40)	4664079	414
C20	4.993	-0.002	4159	1212			
C22	5.293	0.001	15281	7339	STODDARD (C8-C12)	46047	2
C24	5.599	-0.003	27126	6469			
C25	5.759	-0.003	34434	8733			
C26	5.922	0.000	40247	31180			
C28	6.241	-0.001	47273	11159			
C32	6.854	0.000	58375	17132			
C34	7.141	0.000	61882	40264	CREOSOT (C8-C22)	315019	49
Filter Peak	----						
C36	7.413	0.002	47075	23857	BUNKERC (C10-C38)	6526338	755
o-terph	4.762	0.001	1385	1499	JET-A (C10-C18)	66706	4
Triacon Surr	6.561	0.002	899009	778815	IT.MOIL (C24-C40)	6953871	324

Range Times: NW Diesel(3.515 - 5.652) NW Gas(0.976 - 3.515) NW M.Oil(5.652 - 7.722)
AK102(2.805 - 5.711) AK103(5.711 - 7.462) Jet A(2.805 - 4.723)

MANUAL ADJUSTMENTS
1. Peak not found
2. Poor Chromatography
3. Baseline Correction
4. Totals Calculation
5. Other
Analyst _____ Date _____

Surrogate	Area	Amount	%Rec
o-Terphenyl	1499	0.1	0.2
Triacontane	778815	46.6	103.5

Analyte	RF	Curve Date
o-Terph Surr	19934.0	30-JUL-2010
Triacon Surr	16726.1	30-JUL-2010
Gas	27357.0	16-MAR-2010
Diesel	21397.5	30-JUL-2010
Motor Oil	12081.4	30-JUL-2010
AK102	24104.0	30-JUL-2010
AK103	8932.5	01-SEPT-2009
JetA	15848.0	27-JAN-2009
OR Diesel	21090.0	
OR M.Oil	11274.0	
IT M.Oil	21488.2	
Bunker C	8643.2	15-SEP-2009
Creosote	6396.0	17-JAN-2009

Data File: /chem3/fid3b.i/20100811.b/0811b030.d

Page 1

Date : 11-AUG-2010 22:43

Client ID:

Instrument: fid3b.i

Sample Info: MOIL#3

Operator: MS

Column phase: RTX-1

Column diameter: 2.00