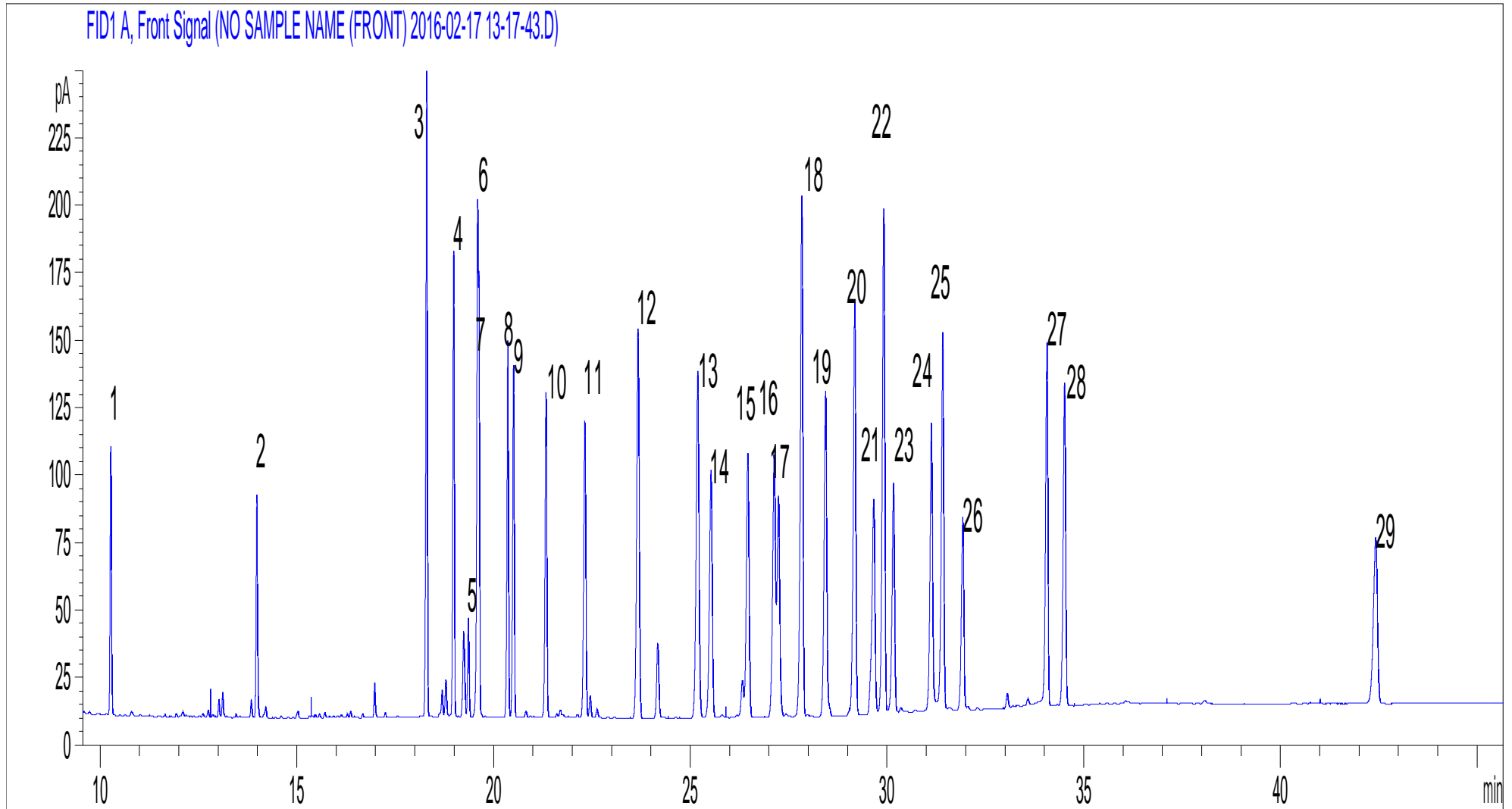


Instrumentation Conditions

- GC: Agilent 5890 w/ FID
- Cat no: *GsBP-CLPesticides2 30m x 0.32mm*
- Oven: 80 °C (hold 1 min) to 300 °C 10min at 9 °C/min
- Carrier: Hydrogen, column flow 1.2ml/min
- Inlet: Split, 275 °C, split ratio 50:1
- Detector: FID 325°C
- Samples: Sample Organochlorine Pesticide Mix AB #1 (cat.# 32291); Pesticide Surrogate Mix, EPA 8080, 8081 (cat.# 32000); Organochlorine Pesticide Mix C #1 (cat.# 32296) Inject volume: 1ul



Peak Identifications and Resolutions

Peak	Compound	Retention Time(min)	Resolution
1	1,2-Dibromo-3-chloropropane (96-12-8)	10.267	
2	Hexachlorocyclopentadiene (77-47-4)	13.98	
3	2,4,5,6-Tetrachloro-m-xylene (877-09-8)	18.306	
4	cis-Diallate (2303-16-4)	18.993	
5	Hexachlorobenzene (118-74-1)	19.368	
6	trans-Diallate (2303-16-4)	19.601	
7	α -BHC (319-84-6)	19.632	1.01
8	γ -BHC (Lindane) (58-89-9)	20.369	
9	β -BHC (319-85-7)	20.515	3.34
10	δ -BHC (319-86-8)	21.34	
11	Heptachlor (76-44-8)	22.325	
12	Aldrin (309-00-2)	23.678	
13	Isodrin (465-73-6)	25.197	
14	Heptachlor epoxide (isomer B) (1024-57-3)	25.533	

Peak Identifications and Resolutions

Peak	Compound	Retention Time(min)	Resolution
15	trans-Chlordane (5103-74-2)	26.467	
16	cis-Chlordane (5103-71-9)	27.142	
17	Endosulfan I (959-98-8)	27.249	1.64
18	4,4'-DDE (72-55-9)	27.838	
19	Dieldrin (60-57-1)	28.447	
20	Chlorobenzilate (510-15-6)	29.183	
21	Endrin (72-20-8)	29.67	
22	4,4'-DDD (72-54-8)	29.924	3.64
23	Endosulfan II (33213-65-9)	30.171	4.03
24	4,4'-DDT (50-29-3)	31.138	
25	Endrin aldehyde (7421-93-4)	31.424	4.97
26	Endosulfan sulfate (1031-07-8)	31.932	
27	Methoxychlor (72-43-5)	34.074	
28	Endrin ketone (53494-70-5)	34.518	

Peak	Compound	Retention Time	Resolution
29	Benzene	12.944	
30	1,2-Dichloroethane	13.671	
31	Isobutyl alcohol (2-methyl-1-propanol)	14.032	6.00
32	Trichloroethene	14.1	1.32
33	1,2-Dichloropropane	14.54	
34	Methyl methacrylate	14.54	0.00
35	1,4-Dioxane	14.895	5.94
36	Dibromomethane	15.302	7.18
37	2-Chloroethanol	15.535	4.12
38	Bromodichloromethane	15.744	3.90
39	2-Nitropropane	16.159	7.78
40	Toluene-d8	17.046	
41	cis-1,3-Dichloropropene	17.247	3.57
42	trans-1,3-Dichloropropene	17.396	2.57

Peak	Compound	Retention Time	Resolution
43	Toluene	17.524	2.28
44	Ethyl methacrylate	17.904	6.83
45	1,1,2-Trichloroethane	18.46	9.97
46	Tetrachloroethene	18.674	3.86
47	1,3-Dichloropropane	18.961	5.43
48	Dibromochloromethane	19.814	
49	1,2-Dibromoethane (EDB)	19.814	0.00
50	Carbon tetrachloride	20.063	4.16
51	Ethylbenzene	20.374	5.21
52	1,1,1,2-Tetrachloroethane	20.374	0.00
53	m-Xylene	21.043	
54	p-Xylene	21.356	6.60
55	o-Xylene	21.428	1.46
56	Styrene	21.545	2.24

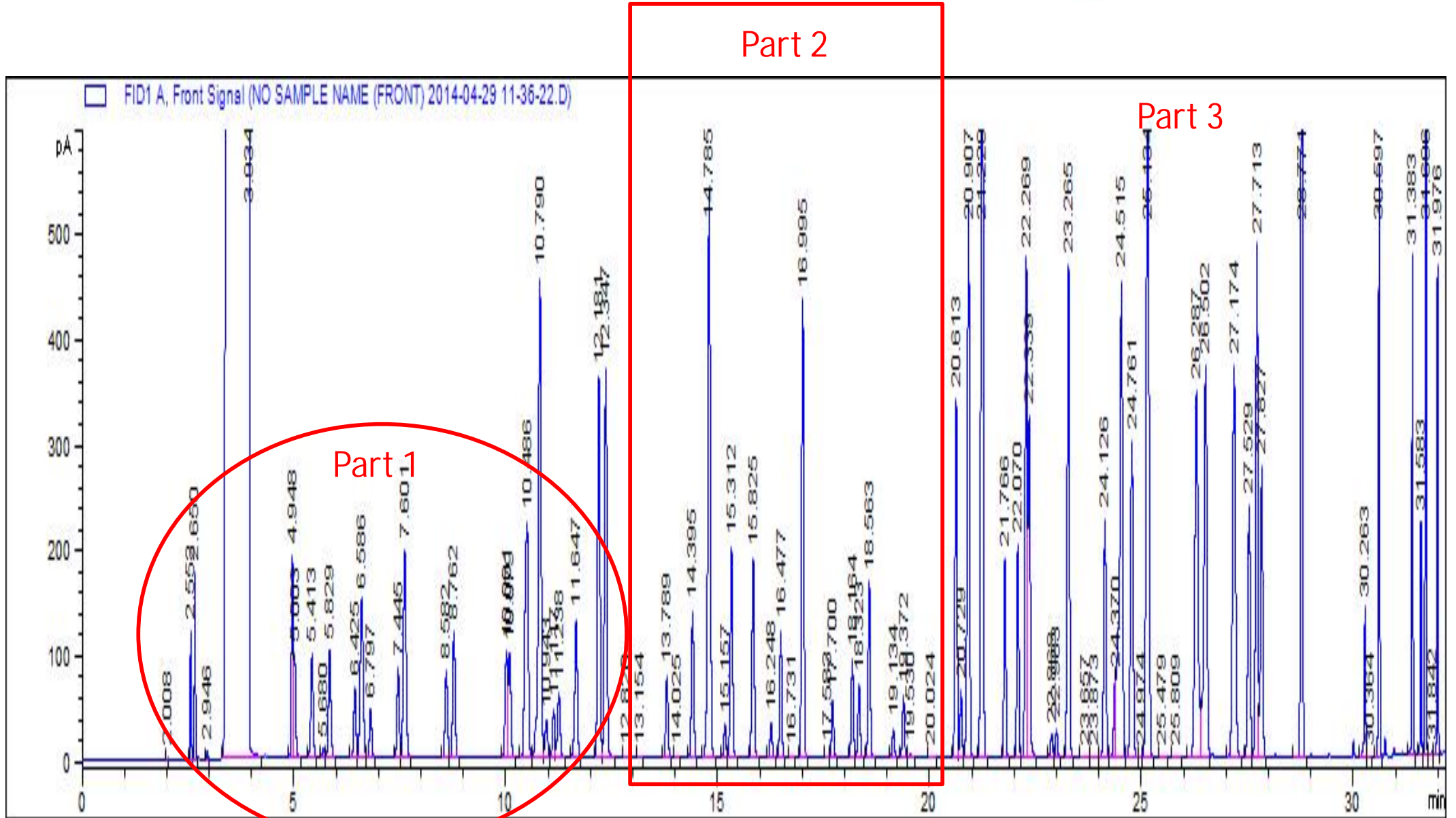
Peak	Compound	Retention Time	Resolution
57	Bromoform	21.741	3.87
58	Isopropylbenzene (cumene)	22.193	8.52
59	cis-1,4-Dichloro-2-butene	22.307	2.31
60	1-Bromo-4-fluorobenzene (BFB)	22.397	1.89
61	1,1,2,2-Tetrachloroethane	23.261	
62	trans-1,4-Dichloro-2-butene	23.531	4.89
63	Bromobenzene	23.714	2.80
64	1,2,3-Trichloropropane	23.794	1.17
65	n-Propylbenzene	24.088	4.97
66	2-Chlorotoluene	24.162	1.32
67	1,3,5-Trimethylbenzene	24.715	9.40
68	4-Chlorotoluene	25.107	5.81
69	tert-Butylbenzene	25.325	3.18
70	Pentachloroethane	25.894	8.18

Peak	Compound	Retention Time	Resolution
71	1,2,4-Trimethylbenzene	26.051	2.17
72	sec-Butylbenzene	26.385	4.59
73	4-Isopropyl toluene (p-Cymene)	26.525	1.88
74	1,3-Dichlorobenzene	26.525	0.00
75	1,4-Dichlorobenzene	26.794	3.52
76	n-Butylbenzene	28.009	
77	1,2-Dichlorobenzene	28.07	1.30
78	1,2-Dibromo-3-chloropropane (DBCP)	29.87	
79	Nitrobenzene	30.253	
80	1,2,4-Trichlorobenzene	30.966	
81	Hexachloro-1,3-butadiene	31.124	5.41
82	Naphthalene	31.315	6.6
83	1,2,3-Trichlorobenzene	31.598	

* Resolution=0.00 means that this peak is co-eluted with the previous peak.

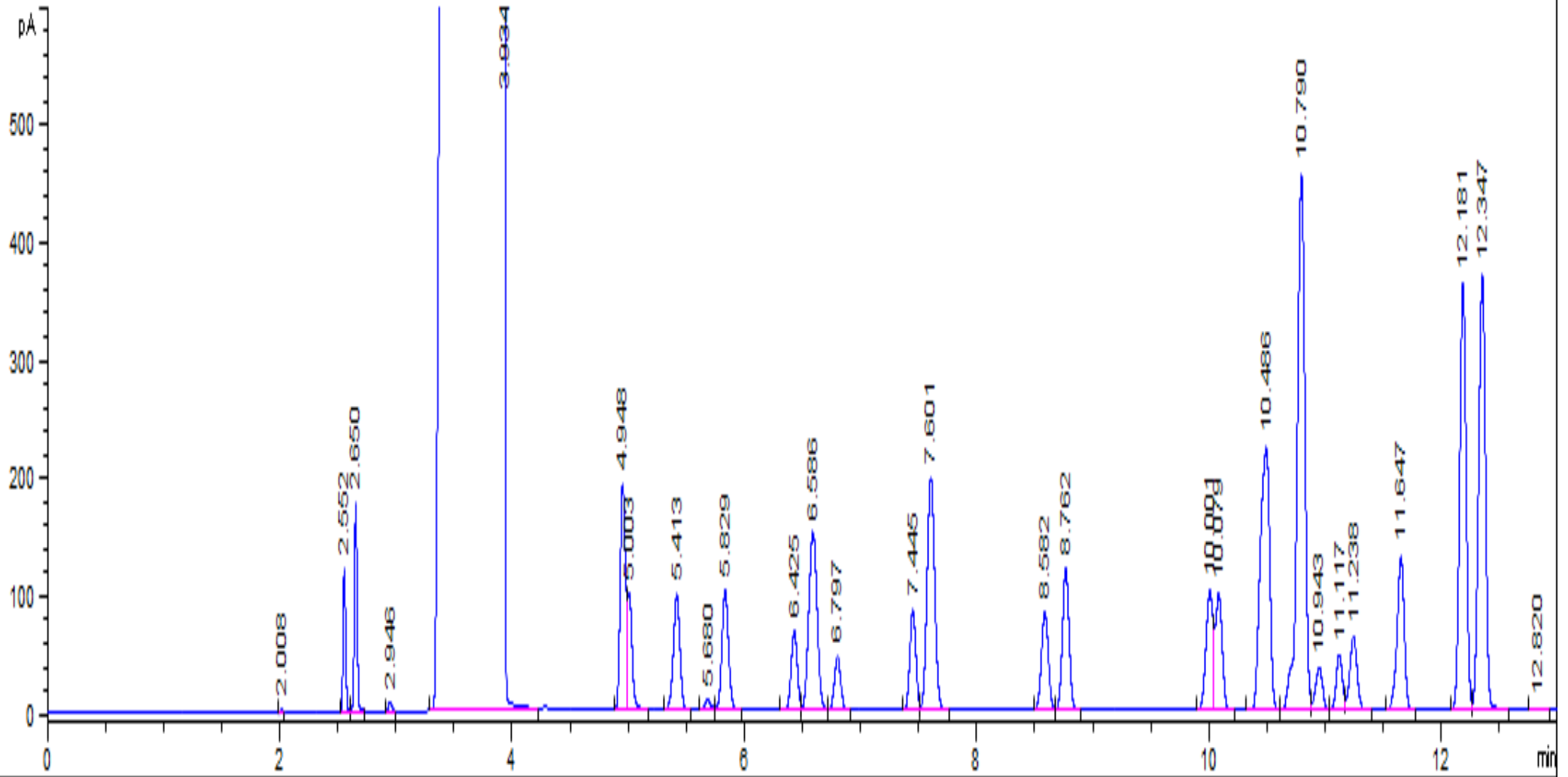
Instrumentation Conditions

- GC: Agilent 7890 w/ FID
- Cat no: *GsBP-CLPesticides1 30m x 0.25mm*
- Oven: 35 °C (hold 6 min) to 120 °C 4min at 5 °C/min to 260 °C at 20 °C/min (hold 10 min)
- Carrier: Hydrogen, column flow 1.2ml/min
- Inlet: Split, 240 °C, split ratio 50:1
- Detector: FID 260 °C
- Samples: EPA Method 8260
- Inject volume: 1ul

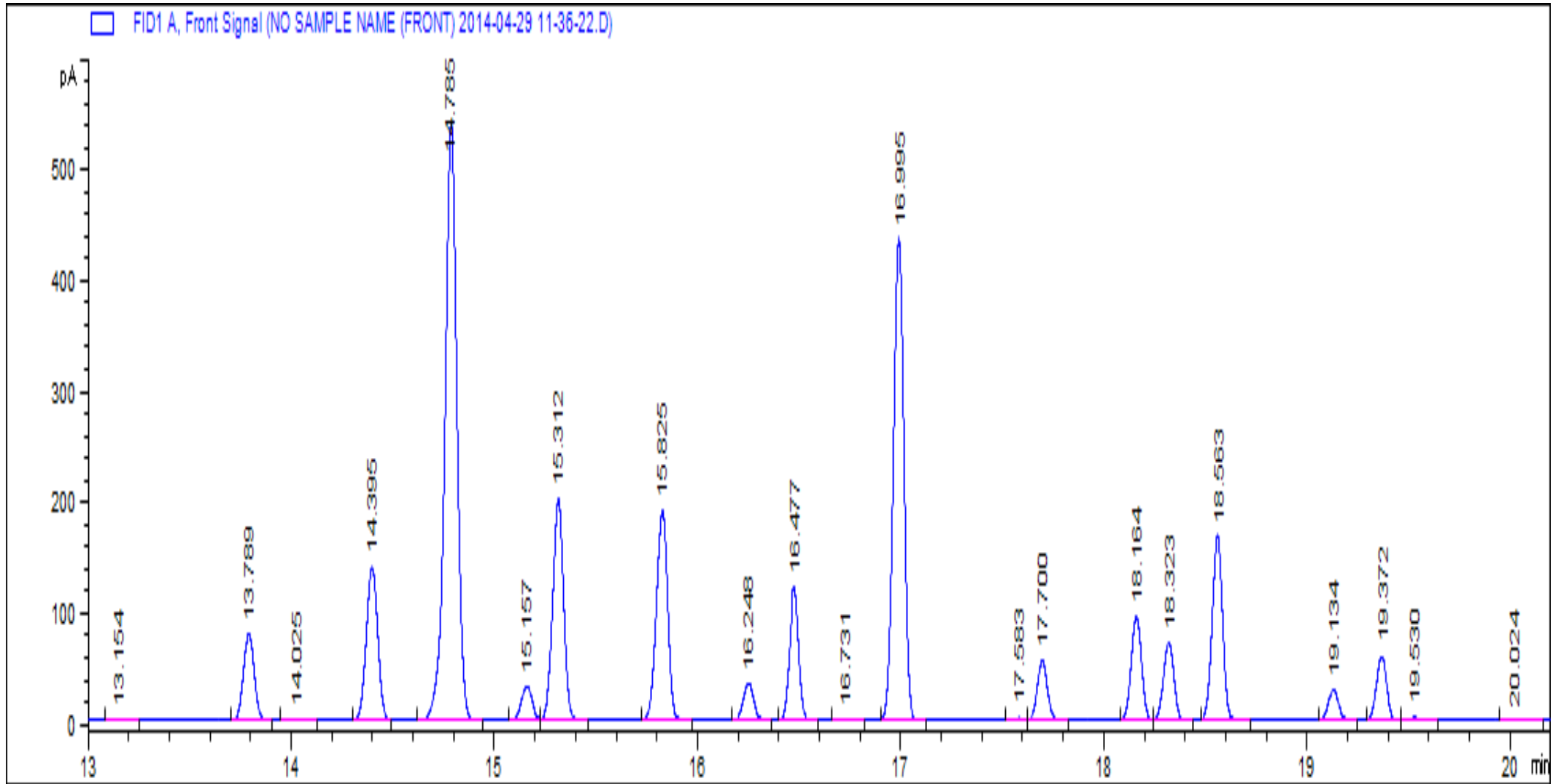


Part 1

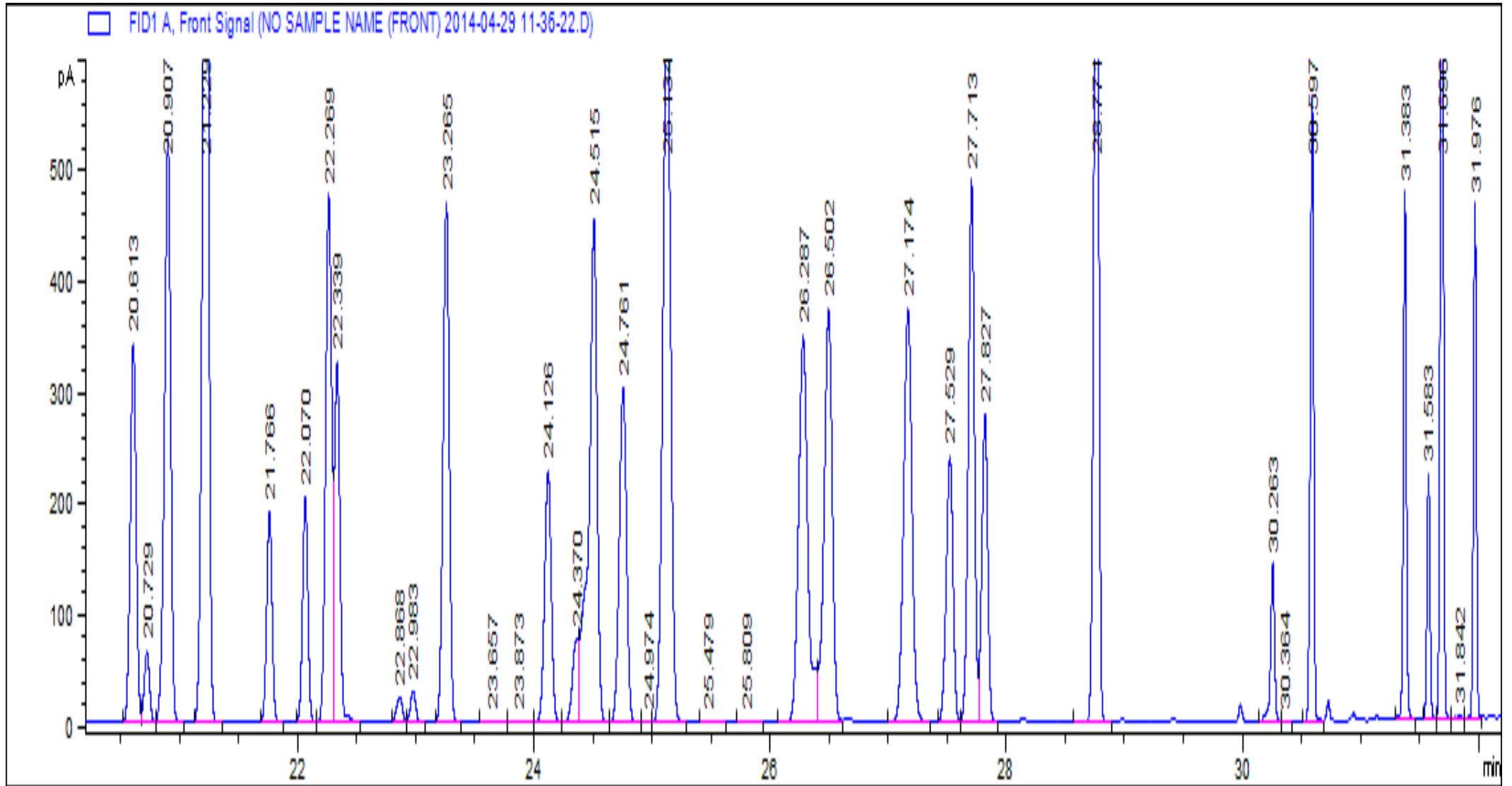
FID1 A, Front Signal (NO SAMPLE NAME (FRONT) 2014-04-29 11-36-22.D)



Part 2



Part 3



Peak Identifications and Resolutions

Peak	Compound	Retention Time	Resolution
1	Dichlorodifluoromethane	2.552	
2	Chloromethane	2.65	3.96
3	Vinyl chloride	2.946	
4	Diethyl ether (ethyl ether)	4.948	
5	1,1-Dichloroethene	5.003	1.23
6	1,1,2-Trichlorotrifluoroethane (CFC-113)	5.003	0.00
7	Iodomethane (methyl iodide)	5.413	8.23
8	Carbon disulfide	5.68	4.58
9	Acetonitrile	5.829	2.52
10	Allyl chloride (3-chloropropene)	6.425	9.94
11	Methylene chloride (dichloromethane)	6.586	2.34
12	Acrylonitrile	6.797	3.05
13	trans-1,2-Dichloroethene	7.445	
14	1,1-Dichloroethane	7.601	2.41

Peak Identifications and Resolutions

Peak	Compound	Retention Time	Resolution
15	Chloroprene	8.582	
16	cis-1,2-Dichloroethene	8.762	2.83
17	2,2-Dichloropropane	10.001	
18	Propionitrile	10.079	1.23
19	Methyl acrylate	10.486	5.25
20	Methacrylonitrile	10.486	0.00
21	Bromochloromethane	10.79	3.65
22	Tetrahydrofuran	10.79	0.00
23	Chlorobenzene	10.943	2.23
24	1,1,1-Trichloroethane	11.117	2.78
25	Dibromofluoromethane	11.238	1.90
26	Carbon tetrachloride	11.647	6.11
27	1,1-Dichloropropene	12.181	8.40
28	1,2-Dichloroethane-d4	12.347	2.63

Peak	Compound	Retention Time	Resolution
29	Benzene	13.789	
30	1,2-Dichloroethane	14.395	
31	Isobutyl alcohol (2-methyl-1-propanol)	14.785	6.33
32	Trichloroethene	14.785	0.00
33	1,2-Dichloropropane	15.157	6.18
34	Methyl methacrylate	15.312	2.66
35	1,4-Dioxane	15.312	0.00
36	Dibromomethane	15.825	8.61
37	2-Chloroethanol	16.248	7.23
38	Bromodichloromethane	16.477	4.21
39	2-Nitropropane	16.995	
40	cis-1,3-Dichloropropene	17.583	
41	Toluene-d8	17.7	2.17
42	Toluene	18.164	8.36

Peak	Compound	Retention Time	Resolution
43	trans-1,3-Dichloropropene	18.323	2.80
44	Ethyl methacrylate	18.563	4.24
45	1,1,2-Trichloroethane	19.134	
46	Tetrachloroethene	19.372	4.23
47	1,3-Dichloropropane	19.53	2.82
48	Dibromochloromethane	20.613	
49	1,2-Dibromoethane (EDB)	20.729	2.20
50	Carbon tetrachloride	20.907	3.32
51	Ethylbenzene	21.229	5.71
52	1,1,1,2-Tetrachloroethane	21.229	0.00
53	m-Xylene	21.766	
54	p-Xylene	22.07	6.06
55	o-Xylene	22.269	3.76
56	Styrene	22.339	1.34

Peak	Compound	Retention Time	Resolution
57	Bromoform	22.339	0.00
58	Isopropylbenzene (cumene)	22.868	10.00
59	cis-1,4-Dichloro-2-butene	22.983	2.13
60	1-Bromo-4-fluorobenzene (BFB)	23.265	5.22
61	1,1,2,2-Tetrachloroethane	24.126	14.53
62	trans-1,4-Dichloro-2-butene	24.515	5.48
63	Bromobenzene	24.515	0.00
64	1,2,3-Trichloropropane	24.761	3.32
65	n-Propylbenzene	25.134	5.31
66	2-Chlorotoluene	25.134	0.00
67	1,3,5-Trimethylbenzene	25.809	9.34
68	4-Chlorotoluene	26.287	6.09
69	tert-Butylbenzene	26.502	2.68
70	Pentachloroethane	27.174	8.84

Peak	Compound	Retention Time	Resolution
71	1,2,4-Trimethylbenzene	27.174	0.00
72	sec-Butylbenzene	27.529	5.09
73	4-Isopropyl toluene (p-Cymene)	27.713	3.09
74	1,3-Dichlorobenzene	27.713	0.00
75	1,4-Dichlorobenzene	27.827	2.04
76	n-Butylbenzene	28.771	
77	1,2-Dichlorobenzene	28.771	0.00
78	1,2-Dibromo-3-chloropropane (DBCP)	30.263	
79	Nitrobenzene	30.597	
80	1,2,4-Trichlorobenzene	31.383	
81	Hexachloro-1,3-butadiene	31.583	7.13
82	Naphthalene	31.696	3.97
83	1,2,3-Trichlorobenzene	31.976	