

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020725\
 Data File : BM049599.D
 Acq On : 07 Feb 2025 12:55
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 07 14:25:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	139963	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	519764	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	322237	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	597394	20.000	ng	0.00
76) Chrysene-d12	21.439	240	494073	20.000	ng	0.00
86) Perylene-d12	24.462	264	409634	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	747696	85.906	ng	0.00
7) Phenol-d6	6.975	99	997167	87.449	ng	0.00
23) Nitrobenzene-d5	8.975	82	1022670	101.206	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	263107	68.908	ng	0.00
45) 2-Fluorobiphenyl	13.086	172	2423761	97.440	ng	0.00
79) Terphenyl-d14	19.827	244	3718044	114.914	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	39559	10.810	ng	99
3) Pyridine	3.698	79	92939	9.139	ng	# 93
4) n-Nitrosodimethylamine	3.604	42	48139	10.118	ng	# 94
6) Aniline	7.145	93	116846	10.812	ng	96
8) 2-Chlorophenol	7.386	128	80831	9.301	ng	97
9) Benzaldehyde	6.957	77	93662	15.513	ng	98
10) Phenol	7.004	94	109427	9.743	ng	99
11) bis(2-Chloroethyl)ether	7.245	93	90220	9.929	ng	97
12) 1,3-Dichlorobenzene	7.710	146	101889	10.100	ng	99
13) 1,4-Dichlorobenzene	7.857	146	105571	10.346	ng	98
14) 1,2-Dichlorobenzene	8.175	146	100575	10.208	ng	99
15) Benzyl Alcohol	8.051	79	64597	8.143	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.345	45	135410	11.070	ng	98
17) 2-Methylphenol	8.257	107	61834	9.004	ng	98
18) Hexachloroethane	8.910	117	35959	9.648	ng	95
19) n-Nitroso-di-n-propyla...	8.628	70	68155	9.127	ng	95
20) 3+4-Methylphenols	8.581	107	80134	8.839	ng	98
22) Acetophenone	8.639	105	137487	9.821	ng	# 96
24) Nitrobenzene	9.016	77	105124	10.708	ng	99
25) Isophorone	9.545	82	169891	9.323	ng	98
26) 2-Nitrophenol	9.728	139	16039	7.532	ng	89
27) 2,4-Dimethylphenol	9.792	122	55820	9.687	ng	97
28) bis(2-Chloroethoxy)met...	10.028	93	109939	9.367	ng	98
29) 2,4-Dichlorophenol	10.263	162	59480	7.496	ng	96
30) 1,2,4-Trichlorobenzene	10.480	180	90762	9.336	ng	97
31) Naphthalene	10.669	128	254293	9.277	ng	99
32) Benzoic acid	9.833	122	11945m	9.091	ng	
33) 4-Chloroaniline	10.769	127	96161	9.372	ng	99
34) Hexachlorobutadiene	10.969	225	55563	9.544	ng	98
35) Caprolactam	11.510	113	15319m	6.328	ng	
36) 4-Chloro-3-methylphenol	11.892	107	55687	7.037	ng	99
37) 2-Methylnaphthalene	12.280	142	169295	8.772	ng	98
38) 1-Methylnaphthalene	12.504	142	158273	8.428	ng	98
40) 1,2,4,5-Tetrachloroben...	12.651	216	99273	9.370	ng	99
41) Hexachlorocyclopentadiene	12.639	237	24034	8.886	ng	98
43) 2,4,6-Trichlorophenol	12.886	196	35865	6.204	ng	98

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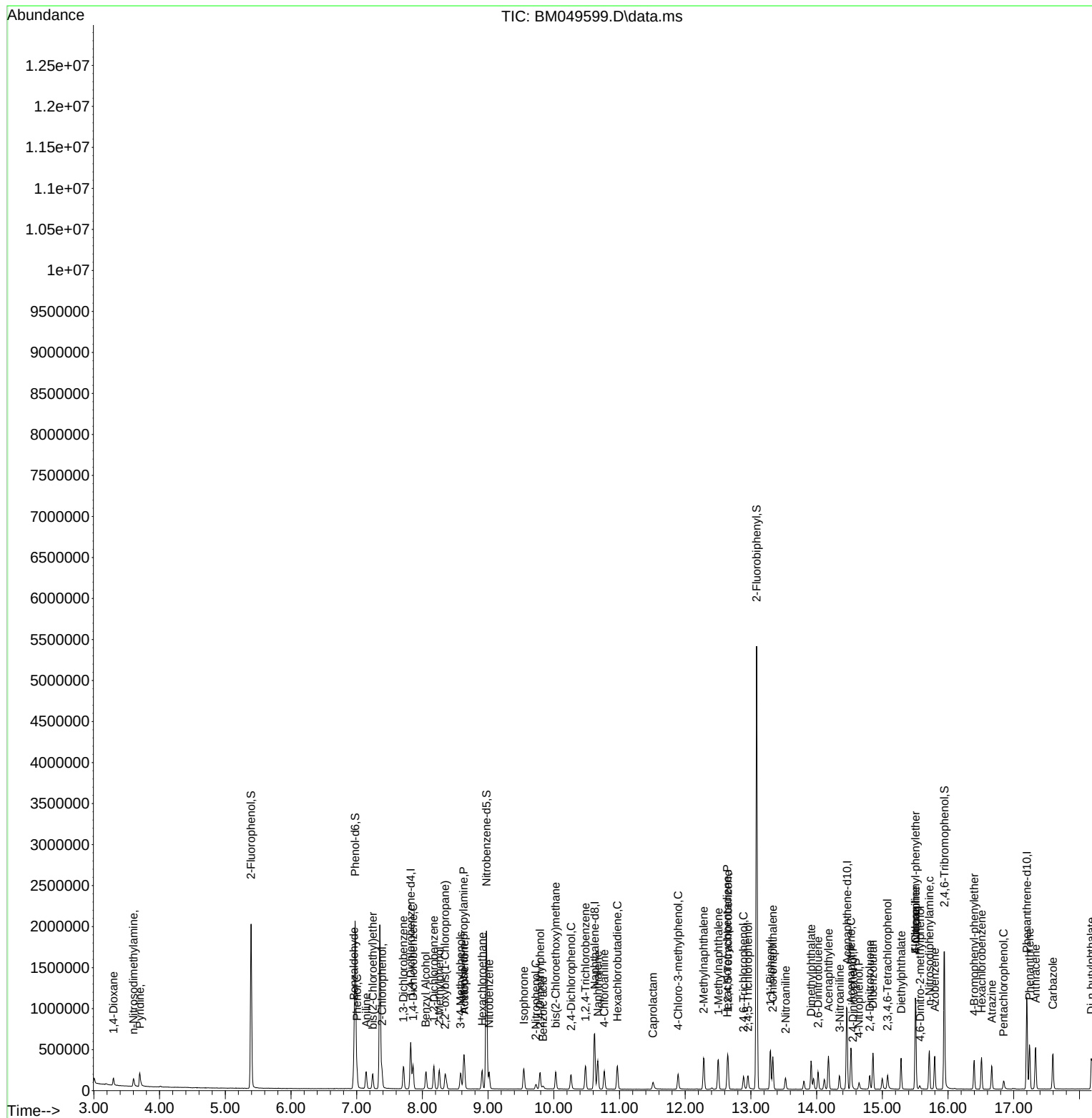
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.957	196	43673	6.874	ng	96
46) 1,1'-Biphenyl	13.298	154	232430	9.455	ng	98
47) 2-Chloronaphthalene	13.333	162	180644	9.498	ng	99
48) 2-Nitroaniline	13.527	65	31690	9.903	ng	97
49) Acenaphthylene	14.180	152	262975	9.377	ng	99
50) Dimethylphthalate	13.915	163	198878	8.594	ng	100
51) 2,6-Dinitrotoluene	14.021	165	33079	8.261	ng	# 87
52) Acenaphthene	14.521	154	163790	8.799	ng	94
53) 3-Nitroaniline	14.351	138	32607	7.998	ng	99
54) 2,4-Dinitrophenol	14.551	184	4046	8.751	ng	# 74
55) Dibenzofuran	14.857	168	264240	8.915	ng	99
56) 4-Nitrophenol	14.645	139	16936	4.928	ng	99
57) 2,4-Dinitrotoluene	14.810	165	35692	9.730	ng	96
58) Fluorene	15.504	166	210025	8.283	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.080	232	34936	6.509	ng	98
60) Diethylphthalate	15.286	149	185682	7.984	ng	99
61) 4-Chlorophenyl-phenyle...	15.504	204	108035	8.005	ng	93
62) 4-Nitroaniline	15.504	138	32183	9.775	ng	97
63) Azobenzene	15.798	77	217636	8.965	ng	97
65) 4,6-Dinitro-2-methylph...	15.574	198	7023	9.491	ng	92
66) n-Nitrosodiphenylamine	15.715	169	163373	8.672	ng	98
67) 4-Bromophenyl-phenylether	16.398	248	57262	8.251	ng	94
68) Hexachlorobenzene	16.509	284	70155	8.807	ng	95
69) Atrazine	16.668	200	45555	8.134	ng	97
70) Pentachlorophenol	16.845	266	18701	10.856	ng	97
71) Phenanthrene	17.239	178	304647	8.951	ng	98
72) Anthracene	17.333	178	295339	8.764	ng	99
73) Carbazole	17.598	167	260782	8.817	ng	97
74) Di-n-butylphthalate	18.180	149	244795	6.523	ng	98
75) Fluoranthene	19.256	202	307871	7.727	ng	99
77) Benzidine	19.439	184	38962	8.905	ng	# 94
78) Pyrene	19.615	202	330198	8.926	ng	99
80) Butylbenzylphthalate	20.527	149	43788	3.804	ng	99
81) Benzo(a)anthracene	21.421	228	292669	8.740	ng	99
82) 3,3'-Dichlorobenzidine	21.344	252	53273	5.912	ng	99
83) Chrysene	21.480	228	286815	9.143	ng	100
84) Bis(2-ethylhexyl)phtha...	21.374	149	89129	4.516	ng	98
85) Di-n-octyl phthalate	22.527	149	105442	3.387	ng	# 88
87) Indeno(1,2,3-cd)pyrene	27.885	276	181089	8.095	ng	# 83
88) Benzo(b)fluoranthene	23.509	252	216647	7.688	ng	99
89) Benzo(k)fluoranthene	23.574	252	237709	8.685	ng	99
90) Benzo(a)pyrene	24.321	252	184026	8.240	ng	97
91) Dibenzo(a,h)anthracene	27.956	278	140953	7.972	ng	99
92) Benzo(g,h,i)perylene	28.938	276	154611	7.828	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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