

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092024\
 Data File : BM047591.D
 Acq On : 20 Sep 2024 16:21
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4 ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 21 03:24:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	270143	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1132660	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	602287	20.000	ng	0.00
64) Phenanthrene-d10	17.209	188	1118044	20.000	ng	0.00
76) Chrysene-d12	21.433	240	951186	20.000	ng	0.00
86) Perylene-d12	24.462	264	1063953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1818130	103.138	ng	0.00
7) Phenol-d6	7.004	99	2349266	101.142	ng	0.00
23) Nitrobenzene-d5	8.998	82	1474619	64.810	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	503944	90.361	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	2697029	63.362	ng	0.00
79) Terphenyl-d14	19.827	244	3077517	58.053	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.316	88	26280	3.424	ng	99
3) Pyridine	3.722	79	60793	2.857	ng	97
4) n-Nitrosodimethylamine	3.622	42	28225	3.199	ng	# 92
6) Aniline	7.169	93	75026	3.770	ng	99
8) 2-Chlorophenol	7.410	128	60187	3.261	ng	93
9) Benzaldehyde	6.981	77	58006m	4.894	ng	
10) Phenol	7.028	94	75103	3.256	ng	83
11) bis(2-Chloroethyl)ether	7.269	93	61471	3.316	ng	97
12) 1,3-Dichlorobenzene	7.734	146	63740	3.123	ng	95
13) 1,4-Dichlorobenzene	7.881	146	65249	3.160	ng	94
14) 1,2-Dichlorobenzene	8.198	146	63127	3.171	ng	98
15) Benzyl Alcohol	8.081	79	44961	3.000	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.369	45	82437	3.489	ng	97
17) 2-Methylphenol	8.281	107	41729	2.879	ng	98
18) Hexachloroethane	8.928	117	26129	3.120	ng	94
19) n-Nitroso-di-n-propyla...	8.645	70	41061	2.886	ng	96
20) 3+4-Methylphenols	8.604	107	54979	2.785	ng	93
22) Acetophenone	8.663	105	87811	2.976	ng	# 98
24) Nitrobenzene	9.039	77	72005	3.064	ng	98
25) Isophorone	9.569	82	103569	2.724	ng	97
26) 2-Nitrophenol	9.751	139	18400	2.227	ng	100
27) 2,4-Dimethylphenol	9.810	122	33680	2.860	ng	97
28) bis(2-Chloroethoxy)met...	10.045	93	70109	2.866	ng	98
29) 2,4-Dichlorophenol	10.286	162	36566	2.456	ng	96
30) 1,2,4-Trichlorobenzene	10.504	180	48327	2.848	ng	97
31) Naphthalene	10.692	128	170440	2.844	ng	99
32) Benzoic acid	9.851	122	17185m	1.565	ng	
33) 4-Chloroaniline	10.792	127	59722	2.827	ng	97
34) Hexachlorobutadiene	10.986	225	24338	2.635	ng	95
35) Caprolactam	11.545	113	9738	1.892	ng	96
36) 4-Chloro-3-methylphenol	11.916	107	39408	2.320	ng	95
37) 2-Methylnaphthalene	12.298	142	100970	2.682	ng	96
38) 1-Methylnaphthalene	12.522	142	94621	2.533	ng	96
40) 1,2,4,5-Tetrachloroben...	12.669	216	44050	2.771	ng	97
41) Hexachlorocyclopentadiene	12.657	237	17058	3.251	ng	95
43) 2,4,6-Trichlorophenol	12.904	196	22773	2.205	ng	96

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44) 2,4,5-Trichlorophenol	12.974	196	25616	2.206	ng	91
46) 1,1'-Biphenyl	13.310	154	135773	2.919	ng	98
47) 2-Chloronaphthalene	13.351	162	100143	2.752	ng	98
48) 2-Nitroaniline	13.545	65	20917	1.924	ng	91
49) Acenaphthylene	14.198	152	147582	2.818	ng	97
50) Dimethylphthalate	13.927	163	109188	2.626	ng	99
51) 2,6-Dinitrotoluene	14.039	165	16360	1.878	ng	# 85
52) Acenaphthene	14.539	154	90711m	2.622	ng	
53) 3-Nitroaniline	14.368	138	19845	1.986	ng	# 93
54) 2,4-Dinitrophenol	14.568	184	4882	1.236	ng	# 82
55) Dibenzofuran	14.868	168	137972	2.729	ng	97
56) 4-Nitrophenol	14.668	139	14239	1.663	ng	94
57) 2,4-Dinitrotoluene	14.821	165	19852	1.710	ng	# 94
58) Fluorene	15.521	166	108491	2.424	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.092	232	19206	2.164	ng	93
60) Diethylphthalate	15.292	149	108011	2.436	ng	99
61) 4-Chlorophenyl-phenyle...	15.515	204	46170	2.361	ng	97
62) 4-Nitroaniline	15.521	138	17818	1.583	ng	87
63) Azobenzene	15.804	77	117747	2.429	ng	99
65) 4,6-Dinitro-2-methylph...	15.580	198	7646	1.443	ng	90
66) n-Nitrosodiphenylamine	15.727	169	84152	2.520	ng	100
67) 4-Bromophenyl-phenylether	16.404	248	24503	2.413	ng	98
68) Hexachlorobenzene	16.521	284	30186	2.542	ng	98
69) Atrazine	16.668	200	22500	2.799	ng	95
70) Pentachlorophenol	16.857	266	13438	1.803	ng	93
71) Phenanthrene	17.251	178	162002	2.669	ng	100
72) Anthracene	17.339	178	147707	2.569	ng	98
73) Carbazole	17.604	167	140194	2.340	ng	99
74) Di-n-butylphthalate	18.180	149	149245	2.059	ng	98
75) Fluoranthene	19.256	202	151631	2.270	ng	98
77) Benzidine	19.439	184	44712	3.452	ng	98
78) Pyrene	19.621	202	160392	2.409	ng	99
80) Butylbenzylphthalate	20.515	149	56130	1.937	ng	98
81) Benzo(a)anthracene	21.415	228	166773	2.666	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	41184	2.120	ng	97
83) Chrysene	21.480	228	163191	2.744	ng	99
84) Bis(2-ethylhexyl)phtha...	21.350	149	84102	1.814	ng	100
85) Di-n-octyl phthalate	22.497	149	125078	1.749	ng	# 94
87) Indeno(1,2,3-cd)pyrene	27.873	276	184551	2.523	ng	# 78
88) Benzo(b)fluoranthene	23.503	252	154250	2.307	ng	97
89) Benzo(k)fluoranthene	23.562	252	160886m	2.451	ng	
90) Benzo(a)pyrene	24.315	252	141623	2.498	ng	96
91) Dibenzo(a,h)anthracene	27.938	278	148735	2.434	ng	98
92) Benzo(g,h,i)perylene	28.932	276	145680	2.379	ng	99

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

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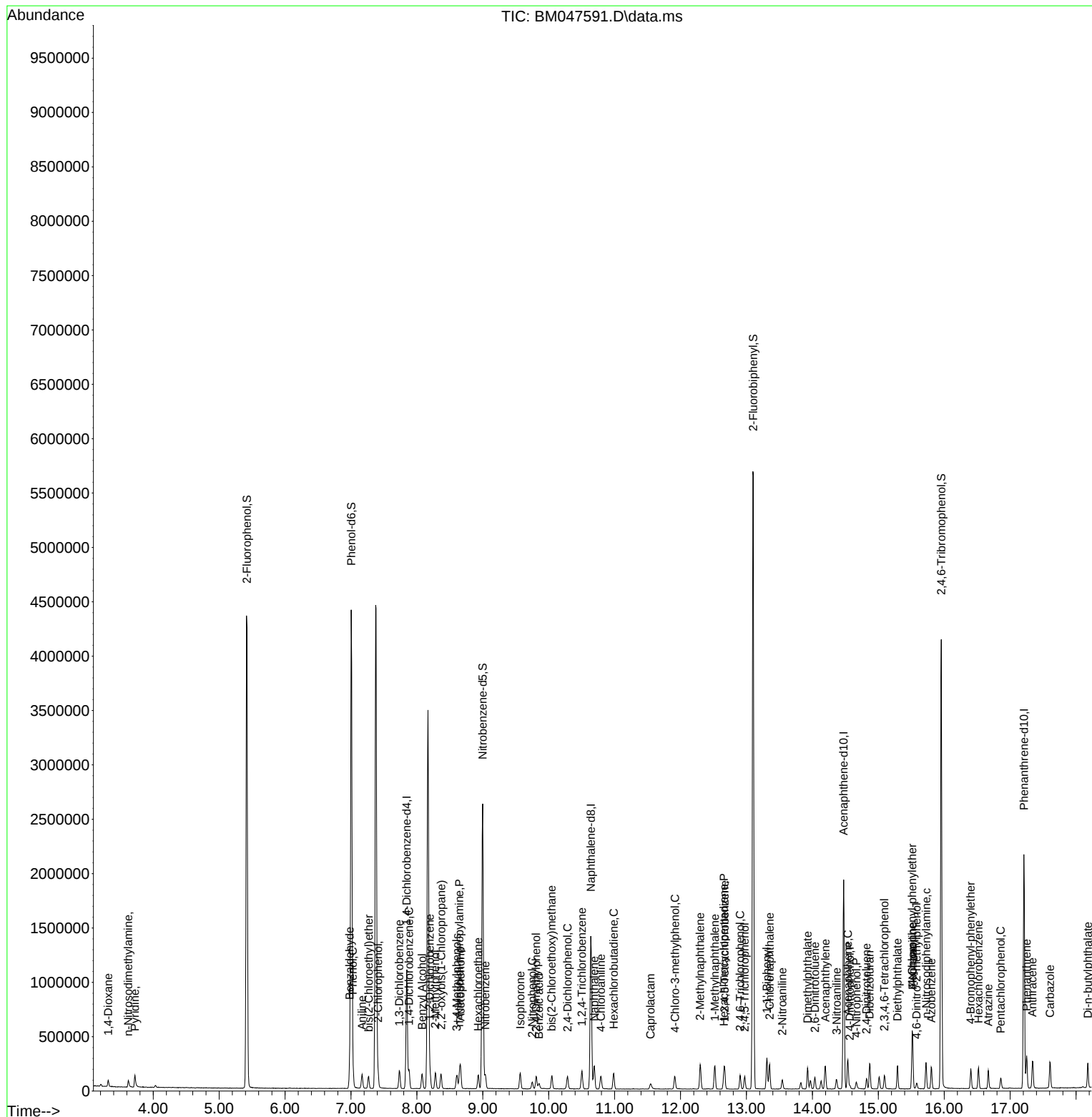
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