

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022025\
 Data File : BP024103.D
 Acq On : 20 Feb 2025 11:03
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 20 11:42:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 02:25:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	327136	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	1340746	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	774512	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1461247	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1479764	20.000	ng	0.00
86) Perylene-d12	25.015	264	1489236	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2263350	107.956	ng	0.00
7) Phenol-d6	6.940	99	2992773	111.065	ng	0.00
23) Nitrobenzene-d5	8.910	82	2245520	93.437	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	1016851	107.185	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	5052399	91.196	ng	0.00
79) Terphenyl-d14	19.910	244	6820972	91.210	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	37339	4.540	ng	97
3) Pyridine	3.722	79	84124	3.934	ng	95
4) n-Nitrosodimethylamine	3.622	42	31206	4.114	ng	# 97
6) Aniline	7.093	93	127048	5.148	ng	99
8) 2-Chlorophenol	7.334	128	97057	4.374	ng	98
9) Benzaldehyde	6.910	77	85800	6.974	ng	98
10) Phenol	6.963	94	120246	4.438	ng	92
11) bis(2-Chloroethyl)ether	7.187	93	96740	4.533	ng	98
12) 1,3-Dichlorobenzene	7.652	146	109454	4.490	ng	99
13) 1,4-Dichlorobenzene	7.793	146	111215	4.511	ng	98
14) 1,2-Dichlorobenzene	8.110	146	105240	4.448	ng	100
15) Benzyl Alcohol	7.999	79	71312	4.323	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	106516	5.141	ng	96
17) 2-Methylphenol	8.205	107	64542	3.909	ng	99
18) Hexachloroethane	8.828	117	39989	4.504	ng	96
19) n-Nitroso-di-n-propyla...	8.557	70	63980	4.416	ng	97
20) 3+4-Methylphenols	8.528	107	87290	3.886	ng	96
22) Acetophenone	8.575	105	145354	4.219	ng	# 99
24) Nitrobenzene	8.952	77	110925	4.690	ng	96
25) Isophorone	9.475	82	156222	3.975	ng	99
26) 2-Nitrophenol	9.657	139	32939	3.023	ng	95
27) 2,4-Dimethylphenol	9.716	122	51936	3.631	ng	99
28) bis(2-Chloroethoxy)met...	9.952	93	119108	4.184	ng	100
29) 2,4-Dichlorophenol	10.193	162	62071	3.180	ng	99
30) 1,2,4-Trichlorobenzene	10.399	180	91199	4.078	ng	98
31) Naphthalene	10.587	128	305269	4.234	ng	99
32) Benzoic acid	9.787	122	27176m	9.016	ng	
33) 4-Chloroaniline	10.693	127	104015	4.096	ng	99
34) Hexachlorobutadiene	10.881	225	54506	4.208	ng	98
35) Caprolactam	11.475	113	16102m	7.738	ng	
36) 4-Chloro-3-methylphenol	11.828	107	62208	3.100	ng	96
37) 2-Methylnaphthalene	12.198	142	194608	4.061	ng	99
38) 1-Methylnaphthalene	12.416	142	182630	3.918	ng	98
40) 1,2,4,5-Tetrachloroben...	12.563	216	100482	4.222	ng	99
41) Hexachlorocyclopentadiene	12.551	237	29411	3.321	ng	94
43) 2,4,6-Trichlorophenol	12.816	196	44236	3.048	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.893	196	51058	3.217	ng	99
46) 1,1'-Biphenyl	13.216	154	268042	4.454	ng	99
47) 2-Chloronaphthalene	13.257	162	190570	4.189	ng	100
48) 2-Nitroaniline	13.463	65	36803	3.424	ng	88
49) Acenaphthylene	14.110	152	270055	4.029	ng	100
50) Dimethylphthalate	13.845	163	220032	4.027	ng	99
51) 2,6-Dinitrotoluene	13.963	165	38309	3.442	ng	97
52) Acenaphthene	14.457	154	180801	4.189	ng	99
53) 3-Nitroaniline	14.298	138	38349	3.229	ng #	92
54) 2,4-Dinitrophenol	14.504	184	12183	9.279	ng	96
55) Dibenzofuran	14.792	168	290336	4.140	ng	98
56) 4-Nitrophenol	14.622	139	24654	2.403	ng	99
57) 2,4-Dinitrotoluene	14.757	165	44860	3.103	ng	91
58) Fluorene	15.451	166	221809	4.050	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.028	232	45503m	3.304	ng	
60) Diethylphthalate	15.228	149	211336	3.897	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	109304	4.055	ng	95
62) 4-Nitroaniline	15.469	138	37313	5.760	ng	92
63) Azobenzene	15.739	77	197174	3.880	ng	95
65) 4,6-Dinitro-2-methylph...	15.528	198	19183	7.797	ng	98
66) n-Nitrosodiphenylamine	15.663	169	177511	3.895	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	63326	3.859	ng	99
68) Hexachlorobenzene	16.475	284	80134	4.150	ng	94
69) Atrazine	16.639	200	51848	4.434	ng	96
70) Pentachlorophenol	16.828	266	29593	2.360	ng	97
71) Phenanthrene	17.228	178	352886	4.283	ng	99
72) Anthracene	17.322	178	309846	3.925	ng	99
73) Carbazole	17.598	167	279430	3.715	ng	99
74) Di-n-butylphthalate	18.192	149	298107	3.397	ng	99
75) Fluoranthene	19.310	202	361796	3.883	ng	98
77) Benzidine	19.504	184	84946	4.711	ng	98
78) Pyrene	19.686	202	397241	4.226	ng	98
80) Butylbenzylphthalate	20.651	149	111166	3.086	ng	98
81) Benzo(a)anthracene	21.616	228	378607	4.080	ng	98
82) 3,3'-Dichlorobenzidine	21.545	252	97594	3.366	ng	100
83) Chrysene	21.686	228	383772	4.289	ng	98
84) Bis(2-ethylhexyl)phtha...	21.563	149	164692	3.015	ng	99
85) Di-n-octyl phthalate	22.863	149	217314	2.489	ng	97
87) Indeno(1,2,3-cd)pyrene	28.862	276	416664	3.933	ng #	94
88) Benzo(b)fluoranthene	23.951	252	349272	3.693	ng	99
89) Benzo(k)fluoranthene	24.027	252	360320	3.914	ng	98
90) Benzo(a)pyrene	24.862	252	305636	3.808	ng #	97
91) Dibenzo(a,h)anthracene	28.939	278	346589	3.891	ng	99
92) Benzo(g,h,i)perylene	30.039	276	324789	3.593	ng	98

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

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