

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141570.D
 Acq On : 11 Feb 2025 18:53
 Operator : RC/JU
 Sample : Q1346-01MS 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 12 00:05:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	85339	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	326420	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	167243	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	253958	20.000	ng	0.00
76) Chrysene-d12	13.951	240	196367	20.000	ng	-0.01
86) Perylene-d12	15.415	264	216844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	307896	56.563	ng	0.00
7) Phenol-d6	6.434	99	379998	55.232	ng	0.00
23) Nitrobenzene-d5	7.345	82	250472	40.023	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	88273	52.542	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	411613	37.918	ng	-0.01
79) Terphenyl-d14	12.892	244	335272	28.823	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.516	88	52858	24.127	ng	99
3) Pyridine	3.246	79	101983	19.562	ng	99
4) n-Nitrosodimethylamine	3.187	42	77421	22.428	ng	99
6) Aniline	6.445	93	3563m	0.552	ng	
8) 2-Chlorophenol	6.581	128	139166	23.660	ng	100
9) Benzaldehyde	6.334	77	73943	20.225	ng	98
10) Phenol	6.445	94	163325	22.808	ng	# 78
11) bis(2-Chloroethyl)ether	6.516	93	230824	42.916	ng	87
12) 1,3-Dichlorobenzene	6.728	146	148507	23.916	ng	98
13) 1,4-Dichlorobenzene	6.804	146	151895	23.942	ng	98
14) 1,2-Dichlorobenzene	6.957	146	143921	24.442	ng	98
15) Benzyl Alcohol	6.934	79	114743	21.748	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	218555	23.738	ng	74
17) 2-Methylphenol	7.051	107	107540	23.364	ng	96
18) Hexachloroethane	7.298	117	56889	24.229	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	96930	23.553	ng	98
20) 3+4-Methylphenols	7.210	107	145614	24.893	ng	# 60
22) Acetophenone	7.192	105	217397	26.773	ng	# 91
24) Nitrobenzene	7.369	77	144065	23.607	ng	98
25) Isophorone	7.604	82	256307	25.686	ng	99
26) 2-Nitrophenol	7.686	139	72017	23.720	ng	96
27) 2,4-Dimethylphenol	7.728	122	109041	30.743	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	158350	24.765	ng	100
29) 2,4-Dichlorophenol	7.939	162	114466	23.885	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	125739	24.094	ng	100
31) Naphthalene	8.092	128	419200	24.671	ng	100
32) Benzoic acid	7.834	122	79688	21.630	ng	98
33) 4-Chloroaniline	8.157	127	48523	8.179	ng	98
34) Hexachlorobutadiene	8.204	225	76918	24.551	ng	99
35) Caprolactam	8.492	113	38258	26.220	ng	93
36) 4-Chloro-3-methylphenol	8.633	107	123395	23.245	ng	100
37) 2-Methylnaphthalene	8.781	142	262541	23.745	ng	99
38) 1-Methylnaphthalene	8.880	142	253289	23.652	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	138168	28.556	ng	99
41) Hexachlorocyclopentadiene	8.933	237	87602	54.434	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	77499	24.782	ng	98

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44) 2,4,5-Trichlorophenol	9.110	196	83022	24.496	ng	98
46) 1,1'-Biphenyl	9.245	154	372636	28.739	ng	99
47) 2-Chloronaphthalene	9.269	162	246620	25.722	ng	99
48) 2-Nitroaniline	9.369	65	78914	24.525	ng	96
49) Acenaphthylene	9.680	152	388724	27.258	ng	99
50) Dimethylphthalate	9.545	163	289823	25.527	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60840	24.513	ng	97
52) Acenaphthene	9.857	154	253288	26.418	ng	97
53) 3-Nitroaniline	9.775	138	34702	12.990	ng	100
54) 2,4-Dinitrophenol	9.892	184	47683	32.325	ng	93
55) Dibenzofuran	10.027	168	355550	25.265	ng	99
56) 4-Nitrophenol	9.951	139	86624	43.682	ng	97
57) 2,4-Dinitrotoluene	10.010	165	84058	25.440	ng	95
58) Fluorene	10.369	166	287294	26.403	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	65772	22.541	ng	94
60) Diethylphthalate	10.245	149	279792	25.047	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	132236	25.261	ng	97
62) 4-Nitroaniline	10.386	138	49055	18.085	ng	100
63) Azobenzene	10.522	77	301790	27.176	ng	93
65) 4,6-Dinitro-2-methylph...	10.422	198	32277	18.296	ng	98
66) n-Nitrosodiphenylamine	10.480	169	226494	27.861	ng	100
67) 4-Bromophenyl-phenylether	10.851	248	76746	27.039	ng	98
68) Hexachlorobenzene	10.916	284	77020	26.352	ng	97
69) Atrazine	11.010	200	80769	33.118	ng	98
70) Pentachlorophenol	11.116	266	77932	41.701	ng	99
71) Phenanthrene	11.333	178	636429	45.527	ng	100
72) Anthracene	11.386	178	445427	31.697	ng	99
73) Carbazole	11.539	167	327508	25.902	ng	99
74) Di-n-butylphthalate	11.869	149	393995	26.986	ng	100
75) Fluoranthene	12.521	202	718589	48.485	ng	99
77) Benzidine	12.645	184	101327	23.397	ng	99
78) Pyrene	12.751	202	672365	40.223	ng	99
80) Butylbenzylphthalate	13.368	149	142711	24.648	ng	99
81) Benzo(a)anthracene	13.939	228	579125	44.367	ng	99
82) 3,3'-Dichlorobenzidine	13.904	252	90134	24.106	ng	99
83) Chrysene	13.980	228	452918	37.578	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	198551	30.405	ng	99
85) Di-n-octyl phthalate	14.557	149	343418	36.864	ng	99
87) Indeno(1,2,3-cd)pyrene	16.856	276	357297	26.667	ng	99
88) Benzo(b)fluoranthene	14.998	252	554429	38.079	ng	99
89) Benzo(k)fluoranthene	15.021	252	393571m	31.655	ng	
90) Benzo(a)pyrene	15.357	252	457607	38.841	ng	99
91) Dibenzo(a,h)anthracene	16.868	278	247965	22.840	ng	99
92) Benzo(g,h,i)perylene	17.286	276	261735	23.038	ng	99

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

