

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139939.D
 Acq On : 22 Oct 2024 20:22
 Operator : RC/JU
 Sample : P4403-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMSD

Quant Time: Oct 23 01:12:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	155702	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	581800	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	298537	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	449643	20.000	ng	0.00
76) Chrysene-d12	14.057	240	313612	20.000	ng	0.00
86) Perylene-d12	15.533	264	387261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1044463	105.014	ng	0.01
7) Phenol-d6	6.510	99	1338501	103.908	ng	0.00
23) Nitrobenzene-d5	7.451	82	857661	81.703	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	288024	103.145	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1477128	81.774	ng	0.00
79) Terphenyl-d14	12.998	244	1225362	63.668	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	190633	41.109	ng	96
3) Pyridine	3.504	79	482766	42.000	ng	97
4) n-Nitrosodimethylamine	3.452	42	264991	42.909	ng	97
6) Aniline	6.551	93	247525	20.618	ng	98
8) 2-Chlorophenol	6.675	128	483057	47.509	ng	97
9) Benzaldehyde	6.440	77	123297	17.015	ng	97
10) Phenol	6.528	94	593619m	44.699	ng	
11) bis(2-Chloroethyl)ether	6.628	93	464186	45.222	ng	99
12) 1,3-Dichlorobenzene	6.834	146	520832	44.623	ng	99
13) 1,4-Dichlorobenzene	6.910	146	524835	45.008	ng	99
14) 1,2-Dichlorobenzene	7.057	146	504970	46.400	ng	99
15) Benzyl Alcohol	7.028	79	441125	46.684	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	791186	45.204	ng	98
17) 2-Methylphenol	7.134	107	397398	45.836	ng	99
18) Hexachloroethane	7.404	117	188104	45.236	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	347313	44.455	ng	98
20) 3+4-Methylphenols	7.287	107	485180	43.751	ng	94
22) Acetophenone	7.298	105	648926	45.538	ng	98
24) Nitrobenzene	7.469	77	528294	45.902	ng	100
25) Isophorone	7.710	82	932644	46.810	ng	99
26) 2-Nitrophenol	7.787	139	238870	55.015	ng	96
27) 2,4-Dimethylphenol	7.816	122	384933	53.168	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	575233	47.653	ng	99
29) 2,4-Dichlorophenol	8.022	162	388252	47.081	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	414320	45.406	ng	99
31) Naphthalene	8.192	128	1377221	45.899	ng	100
32) Benzoic acid	7.904	122	15565	2.465	ng	97
33) 4-Chloroaniline	8.234	127	104891	10.252	ng	99
34) Hexachlorobutadiene	8.310	225	269820	47.063	ng	99
35) Caprolactam	8.598	113	98585	37.598	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	408911	44.782	ng	98
37) 2-Methylnaphthalene	8.886	142	858731	46.729	ng	99
38) 1-Methylnaphthalene	8.986	142	794377	44.059	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	403503	50.099	ng	99
41) Hexachlorocyclopentadiene	9.039	237	421713	150.481	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	274263	48.098	ng	99

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44) 2,4,5-Trichlorophenol	9.198	196	268472	45.634	ng	99
46) 1,1'-Biphenyl	9.351	154	1004455	48.332	ng	99
47) 2-Chloronaphthalene	9.375	162	799706	47.776	ng	99
48) 2-Nitroaniline	9.463	65	262566	51.289	ng	97
49) Acenaphthylene	9.792	152	1224410	50.598	ng	99
50) Dimethylphthalate	9.651	163	909840	48.929	ng	99
51) 2,6-Dinitrotoluene	9.710	165	193514	48.063	ng	96
52) Acenaphthene	9.963	154	726476	46.408	ng	100
53) 3-Nitroaniline	9.875	138	109448	26.360	ng	93
54) 2,4-Dinitrophenol	9.975	184	21850	18.524	ng	# 1
55) Dibenzofuran	10.133	168	1066542	47.486	ng	99
56) 4-Nitrophenol	10.028	139	264879	82.920	ng	96
57) 2,4-Dinitrotoluene	10.110	165	245147	49.513	ng	97
58) Fluorene	10.475	166	770802	45.058	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	182897	39.657	ng	97
60) Diethylphthalate	10.345	149	840830	46.053	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	400887	46.404	ng	99
62) 4-Nitroaniline	10.486	138	160726	40.986	ng	97
63) Azobenzene	10.628	77	907051	46.861	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	30390	16.570	ng	94
66) n-Nitrosodiphenylamine	10.586	169	708433	52.642	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	246830	53.286	ng	96
68) Hexachlorobenzene	11.022	284	261163	50.131	ng	99
69) Atrazine	11.110	200	216897	59.497	ng	99
70) Pentachlorophenol	11.210	266	159541	50.459	ng	100
71) Phenanthrene	11.439	178	1032113	48.595	ng	100
72) Anthracene	11.492	178	1034079	49.901	ng	100
73) Carbazole	11.639	167	878511	45.583	ng	100
74) Di-n-butylphthalate	11.975	149	1106480	49.693	ng	99
75) Fluoranthene	12.627	202	1003056	46.716	ng	99
77) Benzidine	12.745	184	182431	35.376	ng	99
78) Pyrene	12.857	202	1020217	37.164	ng	100
80) Butylbenzylphthalate	13.474	149	438548	53.286	ng	99
81) Benzo(a)anthracene	14.045	228	1019646	49.946	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	131699	22.126	ng	99
83) Chrysene	14.080	228	927872	49.571	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	611199	66.193	ng	100
85) Di-n-octyl phthalate	14.645	149	1162192	69.199	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	949106	38.096	ng	99
88) Benzo(b)fluoranthene	15.098	252	1180985	50.062	ng	99
89) Benzo(k)fluoranthene	15.127	252	932701	45.845	ng	100
90) Benzo(a)pyrene	15.468	252	1011128	52.091	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	794280	38.217	ng	99
92) Benzo(g,h,i)perylene	17.480	276	662325	31.904	ng	99

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

