

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021425\
 Data File : BG064026.D
 Acq On : 14 Feb 2025 10:06
 Operator : RC/JU
 Sample : SSTD02003
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020449

Quant Time: Feb 18 14:49:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG021425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 14 12:34:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/18/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	33311	20.000	ng/u1	0.00
20) Naphthalene-d8	10.653	136	147706	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.489	164	101703	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	240474	20.000	ng/u1	0.00
79) Chrysene-d12	21.464	240	269120	20.000	ng/u1	0.00
88) Perylene-d12	24.489	264	281688	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	8228	8.502	ng/uL	0.00
4) Pyridine-d5	3.737	84	59576	21.664	ng/u1	0.00
7) Phenol-d5	7.022	99	60486	20.093	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.192	67	42207	20.918	ng/u1	0.00
11) 2-Chlorophenol-d4	7.398	132	44633	20.986	ng/u1	0.00
15) 4-Methylphenol-d8	8.561	113	50155	19.567	ng/u1	0.00
21) Nitrobenzene-d5	9.013	128	19119	21.974	ng/u1	0.00
24) 2-Nitrophenol-d4	9.736	143	15454	21.115	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.271	165	46576	21.991	ng/u1	0.00
31) 4-Chloroaniline-d4	10.782	131	74198	21.297	ng/u1	0.00
46) Dimethylphthalate-d6	13.902	166	172228	22.477	ng/u1	0.00
49) Acenaphthylene-d8	14.178	160	199326	22.335	ng/u1	0.00
54) 4-Nitrophenol-d4	14.677	143	24788	20.558	ng/u1	0.00
60) Fluorene-d10	15.482	176	154661	22.241	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.594	200	14633	17.046	ng/u1	0.00
73) Anthracene-d10	17.327	188	258392	21.954	ng/u1	0.00
81) Pyrene-d10	19.613	212	308908	21.806	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.284	264	316980	22.220	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.373	88	9351	8.716	ng/uL	100
5) Pyridine	3.761	79	60372	21.312	ng/u1	100
6) Benzaldehyde	7.004	77	45652	25.695	ng/u1	100
8) Phenol	7.051	94	66585	20.656	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.286	93	52795	20.912	ng/u1	100
12) 2-Chlorophenol	7.427	128	47816	21.186	ng/u1	100
13) 2-Methylphenol	8.303	108	49661	20.292	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.385	45	127309	21.007	ng/u1	100
16) Acetophenone	8.679	105	88537	20.500	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.667	70	46433	20.952	ng/u1	100
18) 4-Methylphenol	8.626	108	53614	19.757	ng/u1	100
19) Hexachloroethane	8.943	117	19650	20.980	ng/u1	100
22) Nitrobenzene	9.055	77	56883	21.469	ng/u1	100
23) Isophorone	9.577	82	130522	21.662	ng/u1	100
25) 2-Nitrophenol	9.765	139	17466	21.528	ng/u1	100
26) 2,4-Dimethylphenol	9.824	107	57555	21.993	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.065	93	75112	21.519	ng/u1	100
29) 2,4-Dichlorophenol	10.294	162	43889	21.952	ng/u1	100
30) Naphthalene	10.700	128	173499	21.256	ng/u1	100
32) 4-Chloroaniline	10.805	127	71156	20.961	ng/u1	100
33) Hexachlorobutadiene	10.999	225	35694	21.560	ng/u1	100
34) Caprolactam	11.546	113	18011m	19.261	ng/u1	
35) 4-Chloro-3-methylphenol	11.928	107	58102	22.010	ng/u1	100
36) 2-Methylnaphthalene	12.310	142	125288	21.333	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.533	142	127194	21.302	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.680	216	68091	21.969	ng/ul	100
40) Hexachlorocyclopentadiene	12.668	237	26835	21.621	ng/ul	100
41) 2,4,6-Trichlorophenol	12.915	196	37011	22.645	ng/ul	100
42) 2,4,5-Trichlorophenol	12.985	196	41139	22.462	ng/ul	100
43) 1,1'-Biphenyl	13.326	154	175073	22.099	ng/ul	100
44) 2-Chloronaphthalene	13.361	162	129604	21.939	ng/ul	100
45) 2-Nitroaniline	13.561	65	34309	22.126	ng/ul	100
47) Dimethylphthalate	13.949	163	167112	22.287	ng/ul	100
48) 2,6-Dinitrotoluene	14.060	165	24268	21.572	ng/ul	100
50) Acenaphthylene	14.213	152	205961	22.347	ng/ul	100
51) 3-Nitroaniline	14.384	138	26500	21.025	ng/ul	100
52) Acenaphthene	14.554	153	147434	21.728	ng/ul	100
53) 2,4-Dinitrophenol	14.589	184	8517	16.408	ng/ul	100
55) 4-Nitrophenol	14.689	109	23640	19.646	ng/ul	100
56) Dibenzofuran	14.889	168	207258	21.843	ng/ul	100
57) 2,4-Dinitrotoluene	14.842	165	34865	21.103	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.112	232	35069	22.624	ng/ul	100
59) Diethylphthalate	15.318	149	171545	22.341	ng/ul	100
61) Fluorene	15.535	166	170465	22.222	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.535	204	84746	22.058	ng/ul	100
63) 4-Nitroaniline	15.547	138	29328	22.047	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.606	198	17016	17.593	ng/ul	100
67) N-Nitrosodiphenylamine	15.747	169	147523	21.859	ng/ul	100
68) 4-Bromophenyl-phenylether	16.428	248	53883	21.225	ng/ul	100
69) Hexachlorobenzene	16.540	284	61122	21.171	ng/ul	100
70) Atrazine	16.699	200	61613	22.877	ng/ul	100
71) Pentachlorophenol	16.881	266	26701	18.609	ng/ul	100
72) Phenanthrene	17.274	178	286534	21.420	ng/ul	100
74) Anthracene	17.362	178	293286	21.592	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.285	216	66987	20.894	ng/ul	100
76) Pentachlorobenzene	14.807	250	74083	21.438	ng/ul	100
77) Carbazole	17.627	167	262948	22.754	ng/ul	100
78) Di-n-butylphthalate	18.209	149	300471	22.922	ng/ul	100
80) Fluoranthene	19.284	202	350246	21.881	ng/ul	100
82) Pyrene	19.642	202	384171	21.860	ng/ul	100
83) Butylbenzylphthalate	20.547	149	106690	21.686	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.370	252	119758	23.726	ng/ul	100
85) Benzo(a)anthracene	21.446	228	393205	21.963	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.387	149	178155	22.034	ng/ul	100
87) Chrysene	21.511	228	388217	21.886	ng/ul	100
89) Di-n-octyl phthalate	22.539	149	291800	20.295	ng/ul	100
90) Benzo(b)fluoranthene	23.538	252	371493	22.323	ng/ul	100
91) Benzo(k)fluoranthene	23.596	252	382043	21.760	ng/ul	100
93) Benzo(a)pyrene	24.348	252	358017	22.396	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.891	276	417593	21.685	ng/ul	100
95) Dibenzo(a,h)anthracene	27.956	278	335526	21.517	ng/ul	100
96) Benzo(g,h,i)perylene	28.955	276	328711	21.633	ng/ul	100

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

