

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031425\
 Data File : BG064108.D
 Acq On : 14 Mar 2025 13:15
 Operator : RC/JU
 Sample : SSTD08011
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD080409

Manual Integrations

APPROVED

Reviewed By :Rahul

Chavli

03/14/2025

Supervised By :Jagrit

Upadhyay

03/17/2025

Quant Time: Mar 14 13:50:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Mar 14 13:20:40 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	40963	20.000	ng/u1	0.00
20) Naphthalene-d8	10.649	136	187478	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.486	164	131963	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.230	188	281171	20.000	ng/u1	0.00
79) Chrysene-d12	21.460	240	270106	20.000	ng/u1	0.00
88) Perylene-d12	24.474	264	287643	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	31394	27.017	ng/uL	0.00
4) Pyridine-d5	3.740	84	227552	68.450	ng/u1	0.00
7) Phenol-d5	7.030	99	290649	76.359	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	180983	73.026	ng/u1	0.00
11) 2-Chlorophenol-d4	7.400	132	227748	83.199	ng/u1	0.00
15) 4-Methylphenol-d8	8.570	113	243096	74.458	ng/u1	0.01
21) Nitrobenzene-d5	9.022	128	115573	98.811	ng/u1	0.01
24) 2-Nitrophenol-d4	9.739	143	128548	120.021	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.273	165	239095	86.287	ng/u1	0.00
31) 4-Chloroaniline-d4	10.785	131	322779	73.181	ng/u1	0.00
46) Dimethylphthalate-d6	13.904	166	796320	79.946	ng/u1	0.01
49) Acenaphthylene-d8	14.181	160	882630	76.557	ng/u1	0.00
54) 4-Nitrophenol-d4	14.692	143	138474	84.667	ng/u1	0.02
60) Fluorene-d10	15.485	176	671214	74.848	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.602	200	129764	113.696	ng/u1	0.01
73) Anthracene-d10	17.330	188	1064080	76.889	ng/u1	0.00
81) Pyrene-d10	19.615	212	1131849	78.839	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.281	264	1178134	80.714	ng/u1	0.02
Target Compounds	Qvalue					
2) 1,4-Dioxane	3.376	88	34619	26.871	ng/uL	98
5) Pyridine	3.758	79	236790	68.795	ng/u1	95
6) Benzaldehyde	7.007	77	144518	65.210	ng/u1	98
8) Phenol	7.060	94	305833	75.746	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.289	93	224515	71.822	ng/u1	92
12) 2-Chlorophenol	7.430	128	237269	83.193	ng/u1	97
13) 2-Methylphenol	8.305	108	228676	73.723	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.387	45	521215	69.983	ng/u1	99
16) Acetophenone	8.687	105	394575	72.467	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.687	70	204268	73.067	ng/u1	96
18) 4-Methylphenol	8.640	108	255553	74.082	ng/u1	97
19) Hexachloroethane	8.946	117	101603	83.988	ng/u1	98
22) Nitrobenzene	9.063	77	305308	88.403	ng/u1#	90
23) Isophorone	9.592	82	563098	73.872	ng/u1	97
25) 2-Nitrophenol	9.768	139	132914	114.716	ng/u1	93
26) 2,4-Dimethylphenol	9.833	107	275244	81.001	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.068	93	315513	71.989	ng/u1	96
29) 2,4-Dichlorophenol	10.303	162	224500	85.833	ng/u1	99
30) Naphthalene	10.702	128	787970	75.825	ng/u1	100
32) 4-Chloroaniline	10.808	127	315461	73.199	ng/u1	99
33) Hexachlorobutadiene	10.996	225	167913	79.002	ng/u1	95
34) Caprolactam	11.595	113	85264m	70.052	ng/u1	
35) 4-Chloro-3-methylphenol	11.942	107	284781	82.980	ng/u1	99
36) 2-Methylnaphthalene	12.312	142	560176	75.038	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.530	142	559147	73.811	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.682	216	300709	75.417	ng/ul	97
40) Hexachlorocyclopentadiene	12.665	237	178363	103.344	ng/ul	91
41) 2,4,6-Trichlorophenol	12.917	196	201011	92.325	ng/ul	87
42) 2,4,5-Trichlorophenol	12.994	196	211912	86.502	ng/ul	96
43) 1,1'-Biphenyl	13.323	154	769237	75.397	ng/ul	97
44) 2-Chloronaphthalene	13.364	162	577937	75.533	ng/ul	97
45) 2-Nitroaniline	13.564	65	227571	106.081	ng/ul	95
47) Dimethylphthalate	13.951	163	750258	77.295	ng/ul	99
48) 2,6-Dinitrotoluene	14.069	165	160172	103.749	ng/ul	95
50) Acenaphthylene	14.210	152	898487	75.667	ng/ul	98
51) 3-Nitroaniline	14.392	138	144356	84.412	ng/ul	88
52) Acenaphthene	14.557	153	663867	75.650	ng/ul	98
53) 2,4-Dinitrophenol	14.598	184	87364	120.631	ng/ul	97
55) 4-Nitrophenol	14.709	109	159825	94.456	ng/ul	97
56) Dibenzofuran	14.892	168	912585	74.262	ng/ul	94
57) 2,4-Dinitrotoluene	14.850	165	243138	105.774	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.115	232	196544	93.421	ng/ul	95
59) Diethylphthalate	15.320	149	800719	79.829	ng/ul	98
61) Fluorene	15.538	166	721219	72.692	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.532	204	361620	72.742	ng/ul	97
63) 4-Nitroaniline	15.561	138	146404	81.978	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.620	198	139262	109.878	ng/ul#	95
67) N-Nitrosodiphenylamine	15.743	169	637005	80.153	ng/ul	99
68) 4-Bromophenyl-phenylether	16.425	248	242012	80.555	ng/ul	97
69) Hexachlorobenzene	16.543	284	264603	77.431	ng/ul	96
70) Atrazine	16.701	200	240586	75.220	ng/ul	95
71) Pentachlorophenol	16.877	266	165578	92.010	ng/ul	93
72) Phenanthrene	17.271	178	1191780	75.792	ng/ul	99
74) Anthracene	17.365	178	1195798	74.809	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.288	216	315509	83.376	ng/ul	97
76) Pentachlorobenzene	14.809	250	326709	80.942	ng/ul	94
77) Carbazole	17.630	167	1063002	77.971	ng/ul	99
78) Di-n-butylphthalate	18.199	149	1307173	82.917	ng/ul	97
80) Fluoranthene	19.281	202	1323049	80.764	ng/ul	99
82) Pyrene	19.645	202	1383878	77.424	ng/ul	98
83) Butylbenzylphthalate	20.544	149	581634	106.142	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.360	252	381887	73.976	ng/ul	98
85) Benzo(a)anthracene	21.443	228	1394677	77.149	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.372	149	837069	95.780	ng/ul	99
87) Chrysene	21.507	228	1321322	74.672	ng/ul	99
89) Di-n-octyl phthalate	22.518	149	1487614	93.838	ng/ul	100
90) Benzo(b)fluoranthene	23.529	252	1366770	80.651	ng/ul	98
91) Benzo(k)fluoranthene	23.593	252	1391827	77.469	ng/ul	99
93) Benzo(a)pyrene	24.351	252	1294524	79.343	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.888	276	1651628	82.906	ng/ul	98
95) Dibenzo(a,h)anthracene	27.953	278	1329730	82.860	ng/ul	96
96) Benzo(g,h,i)perylene	28.957	276	1261294	80.137	ng/ul	99

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

