

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031425\
 Data File : BG064106.D
 Acq On : 14 Mar 2025 11:54
 Operator : RC/JU
 Sample : SST02009
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST020407

Quant Time: Mar 14 13:20:31 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

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

03/14/2025

Supervised By :Jagrit
 Upadhyay
 03/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	27581	20.000	ng/u1	0.00
20) Naphthalene-d8	10.649	136	135308	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.486	164	98874	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	223806	20.000	ng/u1	0.00
79) Chrysene-d12	21.454	240	231709	20.000	ng/u1	0.00
88) Perylene-d12	24.468	264	245728	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.340	96	6058	7.743	ng/uL	0.00
4) Pyridine-d5	3.740	84	45464	20.311	ng/u1	0.00
7) Phenol-d5	7.024	99	57121	22.288	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.194	67	34752	20.826	ng/u1	0.00
11) 2-Chlorophenol-d4	7.394	132	45176	24.510	ng/u1	0.00
15) 4-Methylphenol-d8	8.558	113	49125	22.347	ng/u1	0.00
21) Nitrobenzene-d5	9.010	128	22226	26.329	ng/u1	0.00
24) 2-Nitrophenol-d4	9.733	143	24412	31.581	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.267	165	48631	24.317	ng/u1	0.00
31) 4-Chloroaniline-d4	10.778	131	67157	21.096	ng/u1	0.00
46) Dimethylphthalate-d6	13.892	166	168822	22.621	ng/u1	0.00
49) Acenaphthylene-d8	14.175	160	189985	21.994	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	29420	24.008	ng/u1	0.00
60) Fluorene-d10	15.473	176	146234	21.764	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.591	200	24573	27.049	ng/u1	0.00
73) Anthracene-d10	17.324	188	246682	22.394	ng/u1	0.00
81) Pyrene-d10	19.609	212	277853	22.561	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.263	264	279024	22.377	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.370	88	6907	7.962	ng/uL	100
5) Pyridine	3.757	79	47191	20.363	ng/u1	100
6) Benzaldehyde	7.001	77	39913	26.748	ng/u1	100
8) Phenol	7.053	94	60091	22.104	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.288	93	45155	21.454	ng/u1	100
12) 2-Chlorophenol	7.424	128	44751	23.304	ng/u1	100
13) 2-Methylphenol	8.299	108	47333	22.664	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.381	45	105088	20.956	ng/u1	100
16) Acetophenone	8.675	105	82328	22.456	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.663	70	43189	22.944	ng/u1	100
18) 4-Methylphenol	8.622	108	51973	22.377	ng/u1	100
19) Hexachloroethane	8.939	117	20173	24.766	ng/u1	100
22) Nitrobenzene	9.051	77	58652	23.531	ng/u1	100
23) Isophorone	9.574	82	117745	21.402	ng/u1	100
25) 2-Nitrophenol	9.762	139	25300	30.255	ng/u1	100
26) 2,4-Dimethylphenol	9.821	107	58233	23.745	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.062	93	65376	20.668	ng/u1	100
29) 2,4-Dichlorophenol	10.297	162	45824	24.275	ng/u1	100
30) Naphthalene	10.696	128	161222	21.496	ng/u1	100
32) 4-Chloroaniline	10.802	127	65240	20.975	ng/u1	100
33) Hexachlorobutadiene	10.996	225	34433	22.447	ng/u1	100
34) Caprolactam	11.542	113	18645m	21.225	ng/u1	100
35) 4-Chloro-3-methylphenol	11.924	107	59099	23.860	ng/u1	100
36) 2-Methylnaphthalene	12.306	142	115566	21.449	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.529	142	116285	21.269	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.676	216	63632	21.299	ng/ul	100
40) Hexachlorocyclopentadiene	12.665	237	34740	26.865	ng/ul	100
41) 2,4,6-Trichlorophenol	12.911	196	40217	24.653	ng/ul	100
42) 2,4,5-Trichlorophenol	12.982	196	45490	24.783	ng/ul	100
43) 1,1'-Biphenyl	13.317	154	164461	21.514	ng/ul	100
44) 2-Chloronaphthalene	13.358	162	124959	21.797	ng/ul	100
45) 2-Nitroaniline	13.558	65	43343	26.965	ng/ul	100
47) Dimethylphthalate	13.939	163	160774	22.107	ng/ul	100
48) 2,6-Dinitrotoluene	14.051	165	29899	25.848	ng/ul	100
50) Acenaphthylene	14.204	152	193899	21.794	ng/ul	100
51) 3-Nitroaniline	14.380	138	31364	24.478	ng/ul	100
52) Acenaphthene	14.551	153	141157	21.468	ng/ul	100
53) 2,4-Dinitrophenol	14.586	184	12057	22.220	ng/ul	100
55) 4-Nitrophenol	14.686	109	32780	25.856	ng/ul	100
56) Dibenzofuran	14.885	168	199756	21.695	ng/ul	100
57) 2,4-Dinitrotoluene	14.838	165	45507	26.423	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.109	232	41027	26.027	ng/ul	100
59) Diethylphthalate	15.308	149	171832	22.864	ng/ul	100
61) Fluorene	15.532	166	163326	21.971	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.532	204	81354	21.842	ng/ul	100
63) 4-Nitroaniline	15.544	138	32999	24.661	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.602	198	26705	26.471	ng/ul	100
67) N-Nitrosodiphenylamine	15.737	169	141781	22.413	ng/ul	100
68) 4-Bromophenyl-phenylether	16.419	248	53015	22.169	ng/ul	100
69) Hexachlorobenzene	16.536	284	60200	22.132	ng/ul	100
70) Atrazine	16.689	200	61279	24.070	ng/ul	100
71) Pentachlorophenol	16.877	266	34550	24.120	ng/ul	100
72) Phenanthrene	17.265	178	273176	21.826	ng/ul	100
74) Anthracene	17.359	178	281165	22.098	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.281	216	65171	21.636	ng/ul	100
76) Pentachlorobenzene	14.803	250	68615	21.356	ng/ul	100
77) Carbazole	17.623	167	254398	23.443	ng/ul	100
78) Di-n-butylphthalate	18.199	149	314522	25.065	ng/ul	100
80) Fluoranthene	19.274	202	328692	23.389	ng/ul	100
82) Pyrene	19.639	202	350980	22.890	ng/ul	100
83) Butylbenzylphthalate	20.538	149	138347	29.431	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.360	252	111364	25.147	ng/ul	100
85) Benzo(a)anthracene	21.437	228	347921	22.435	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.372	149	206943	27.603	ng/ul	100
87) Chrysene	21.501	228	324957	21.407	ng/ul	100
89) Di-n-octyl phthalate	22.518	149	354609	26.184	ng/ul	100
90) Benzo(b)fluoranthene	23.517	252	320065	22.108	ng/ul	100
91) Benzo(k)fluoranthene	23.581	252	336521	21.926	ng/ul	100
93) Benzo(a)pyrene	24.327	252	311645	22.359	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.853	276	386251	22.696	ng/ul	100
95) Dibenzo(a,h)anthracene	27.917	278	310701	22.663	ng/ul	100
96) Benzo(g,h,i)perylene	28.916	276	303170m	22.548	ng/ul	

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

