

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091625\
 Data File : BG064408.D
 Acq On : 17 Sep 2025 7:03
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020453

Quant Time: Sep 17 07:49:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 11:06:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/17/2025
 Supervised By :Jagrut Upadhyay 09/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.843	152	22850	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	97950	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.465	164	74560	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.209	188	183762	20.000	ng/u1	0.00
79) Chrysene-d12	21.439	240	207201	20.000	ng/u1	0.00
88) Perylene-d12	24.436	264	226395	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.313	96	4058	9.329	ng/uL	0.00
4) Pyridine-d5	3.719	84	27288	21.502	ng/u1	0.00
7) Phenol-d5	7.015	99	37095	19.861	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.174	67	19235	19.735	ng/u1	0.00
11) 2-Chlorophenol-d4	7.379	132	30179	20.203	ng/u1	0.00
15) 4-Methylphenol-d8	8.548	113	33518	19.724	ng/u1	0.00
21) Nitrobenzene-d5	8.995	128	15726	20.461	ng/u1	0.00
24) 2-Nitrophenol-d4	9.712	143	19756	21.073	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.252	165	38422	22.040	ng/u1	0.00
31) 4-Chloroaniline-d4	10.758	131	46787	19.853	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	131392	19.773	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	137301	21.385	ng/u1	0.00
54) 4-Nitrophenol-d4	14.671	143	20324	19.521	ng/u1	0.00
60) Fluorene-d10	15.458	176	112847	20.931	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.576	200	25820	19.698	ng/u1	0.00
73) Anthracene-d10	17.303	188	188027	20.512	ng/u1	0.00
81) Pyrene-d10	19.594	212	223676	19.165	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.230	264	239123	20.493	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.349	88	4538	9.331	ng/uL	98
5) Pyridine	3.736	79	27404	20.478	ng/u1	96
6) Benzaldehyde	6.980	77	21497	24.750	ng/u1	95
8) Phenol	7.038	94	37939	19.832	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.268	93	26159	19.802	ng/u1	94
12) 2-Chlorophenol	7.409	128	31847	20.509	ng/u1#	93
13) 2-Methylphenol	8.284	108	29384	18.513	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.366	45	45845	18.639	ng/u1#	93
16) Acetophenone	8.660	105	51158	18.936	ng/u1#	92
17) N-Nitroso-di-n-propyla...	8.648	70	24696	19.435	ng/u1	92
18) 4-Methylphenol	8.613	108	33545	19.651	ng/u1	79
19) Hexachloroethane	8.919	117	14044	20.513	ng/u1	90
22) Nitrobenzene	9.036	77	36952	19.356	ng/u1#	85
23) Isophorone	9.559	82	70965	19.330	ng/u1	99
25) 2-Nitrophenol	9.747	139	19712	21.931	ng/u1	96
26) 2,4-Dimethylphenol	9.812	107	41790	20.970	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.041	93	37322	20.079	ng/u1	98
29) 2,4-Dichlorophenol	10.282	162	33778	21.237	ng/u1	96
30) Naphthalene	10.681	128	109426	20.521	ng/u1	98
32) 4-Chloroaniline	10.787	127	47282	20.355	ng/u1	96
33) Hexachlorobutadiene	10.969	225	31222	21.850	ng/u1	99
34) Caprolactam	11.539	113	11649m	18.058	ng/u1	
35) 4-Chloro-3-methylphenol	11.915	107	41419	21.048	ng/u1	94
36) 2-Methylnaphthalene	12.291	142	87138	21.466	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.509	142	85356	21.158	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.661	216	53389	22.596	ng/ul	97
40) Hexachlorocyclopentadiene	12.644	237	33924	20.846	ng/ul	97
41) 2,4,6-Trichlorophenol	12.896	196	33050	21.835	ng/ul	87
42) 2,4,5-Trichlorophenol	12.973	196	36338	22.441	ng/ul	94
43) 1,1'-Biphenyl	13.302	154	116801	21.218	ng/ul	96
44) 2-Chloronaphthalene	13.343	162	87251	21.601	ng/ul	95
45) 2-Nitroaniline	13.543	65	30156	20.792	ng/ul	94
47) Dimethylphthalate	13.925	163	120621	19.537	ng/ul#	98
48) 2,6-Dinitrotoluene	14.042	165	25259	21.385	ng/ul	91
50) Acenaphthylene	14.189	152	147907	21.416	ng/ul	98
51) 3-Nitroaniline	14.371	138	22522	22.352	ng/ul	95
52) Acenaphthene	14.530	153	99484	21.213	ng/ul	93
53) 2,4-Dinitrophenol	14.577	184	14037	17.644	ng/ul	88
55) 4-Nitrophenol	14.682	109	27700	20.081	ng/ul	95
56) Dibenzofuran	14.865	168	149679	21.549	ng/ul	90
57) 2,4-Dinitrotoluene	14.829	165	39631	20.811	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.094	232	35751	20.988	ng/ul#	98
59) Diethylphthalate	15.294	149	129146	19.104	ng/ul	95
61) Fluorene	15.517	166	121666	20.656	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.511	204	64608	20.803	ng/ul	95
63) 4-Nitroaniline	15.529	138	23643	22.843	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.593	198	27012	20.277	ng/ul	99
67) N-Nitrosodiphenylamine	15.722	169	106669	21.268	ng/ul	97
68) 4-Bromophenyl-phenylether	16.398	248	45132	20.933	ng/ul	97
69) Hexachlorobenzene	16.516	284	51166	21.054	ng/ul	94
70) Atrazine	16.674	200	48605	19.653	ng/ul	96
71) Pentachlorophenol	16.862	266	28818	18.499	ng/ul	96
72) Phenanthrene	17.250	178	203977	20.423	ng/ul	99
74) Anthracene	17.338	178	209212	20.579	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.266	216	55231	22.181	ng/ul	97
76) Pentachlorobenzene	14.788	250	59607	21.882	ng/ul	99
77) Carbazole	17.608	167	180822	20.483	ng/ul	98
78) Di-n-butylphthalate	18.172	149	212915	19.427	ng/ul	99
80) Fluoranthene	19.259	202	253885	19.234	ng/ul#	96
82) Pyrene	19.624	202	266302	19.587	ng/ul	99
83) Butylbenzylphthalate	20.517	149	101139	19.026	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.339	252	93763	21.548	ng/ul	97
85) Benzo(a)anthracene	21.416	228	280759	20.207	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.345	149	152782	20.034	ng/ul	99
87) Chrysene	21.480	228	266594	20.388	ng/ul	99
89) Di-n-octyl phthalate	22.479	149	250943	19.470	ng/ul	100
90) Benzo(b)fluoranthene	23.484	252	283120m	20.793	ng/ul	
91) Benzo(k)fluoranthene	23.549	252	277447	20.479	ng/ul	98
93) Benzo(a)pyrene	24.295	252	258677	20.451	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.808	276	338476	20.698	ng/ul	99
95) Dibenzo(a,h)anthracene	27.861	278	273521	20.759	ng/ul	96
96) Benzo(g,h,i)perylene	28.860	276	269734	20.205	ng/ul#	93

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

