

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064380.D
 Acq On : 15 Sep 2025 18:24
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020599

Quant Time: Sep 16 10:56:27 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 09/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.844	152	23546	20.000	ng/u1	0.00
20) Naphthalene-d8	10.629	136	103957	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.465	164	80889	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.209	188	184625	20.000	ng/u1	0.00
79) Chrysene-d12	21.434	240	175481	20.000	ng/u1	0.00
88) Perylene-d12	24.436	264	190575	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.319	96	3890	8.679	ng/uL	0.00
4) Pyridine-d5	3.719	84	27912	21.344	ng/u1	0.00
7) Phenol-d5	7.009	99	36607	19.020	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.174	67	19697	19.612	ng/u1	0.00
11) 2-Chlorophenol-d4	7.379	132	31143	20.232	ng/u1	0.00
15) 4-Methylphenol-d8	8.549	113	33750	19.274	ng/u1	0.00
21) Nitrobenzene-d5	8.995	128	16761	20.547	ng/u1	0.00
24) 2-Nitrophenol-d4	9.712	143	20524	20.627	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.253	165	36585	19.774	ng/u1	0.00
31) 4-Chloroaniline-d4	10.758	131	47228	18.882	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	137592	19.086	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	141427	20.304	ng/u1	0.00
54) 4-Nitrophenol-d4	14.665	143	20201	17.884	ng/u1	0.00
60) Fluorene-d10	15.458	176	114260	19.535	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.576	200	25703	19.517	ng/u1	0.00
73) Anthracene-d10	17.309	188	186360	20.235	ng/u1	0.00
81) Pyrene-d10	19.595	212	192328	19.458	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.224	264	202520	20.619	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.355	88	4464	8.907	ng/uL	95
5) Pyridine	3.737	79	26676	19.345	ng/u1	96
6) Benzaldehyde	6.980	77	23118	25.830	ng/u1	85
8) Phenol	7.039	94	35522	18.019	ng/u1	89
10) Bis(2-Chloroethyl)ether	7.268	93	27292	20.049	ng/u1	94
12) 2-Chlorophenol	7.409	128	31868	19.915	ng/u1#	87
13) 2-Methylphenol	8.284	108	29933	18.301	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.366	45	49458	19.513	ng/u1#	95
16) Acetophenone	8.660	105	54332	19.517	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.649	70	26420	20.177	ng/u1#	90
18) 4-Methylphenol	8.613	108	33339	18.953	ng/u1	97
19) Hexachloroethane	8.925	117	12903	18.290	ng/u1#	82
22) Nitrobenzene	9.036	77	39837	19.661	ng/u1	90
23) Isophorone	9.559	82	76581	19.655	ng/u1	94
25) 2-Nitrophenol	9.747	139	19420	20.358	ng/u1	92
26) 2,4-Dimethylphenol	9.806	107	43557	20.594	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.041	93	41043	20.805	ng/u1	97
29) 2,4-Dichlorophenol	10.282	162	33557	19.879	ng/u1	93
30) Naphthalene	10.681	128	111228	19.654	ng/u1	97
32) 4-Chloroaniline	10.787	127	47408	19.230	ng/u1	95
33) Hexachlorobutadiene	10.969	225	31329	20.658	ng/u1	90
34) Caprolactam	11.545	113	12226m	17.858	ng/u1	
35) 4-Chloro-3-methylphenol	11.909	107	41882	20.054	ng/u1	95
36) 2-Methylnaphthalene	12.291	142	85003	19.730	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.509	142	88164	20.591	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.661	216	52846	20.616	ng/ul	98
40) Hexachlorocyclopentadiene	12.644	237	33968	19.240	ng/ul	97
41) 2,4,6-Trichlorophenol	12.896	196	32344	19.696	ng/ul	85
42) 2,4,5-Trichlorophenol	12.973	196	35077	19.968	ng/ul	91
43) 1,1'-Biphenyl	13.302	154	122002	20.429	ng/ul	98
44) 2-Chloronaphthalene	13.343	162	88819	20.269	ng/ul	98
45) 2-Nitroaniline	13.543	65	30443	19.347	ng/ul	96
47) Dimethylphthalate	13.925	163	130024	19.413	ng/ul#	95
48) 2,6-Dinitrotoluene	14.042	165	26586	20.747	ng/ul	96
50) Acenaphthylene	14.189	152	152851	20.400	ng/ul	99
51) 3-Nitroaniline	14.365	138	22298	20.398	ng/ul	96
52) Acenaphthene	14.530	153	101177	19.886	ng/ul	92
53) 2,4-Dinitrophenol	14.577	184	13476	15.614	ng/ul	86
55) 4-Nitrophenol	14.683	109	26706	17.845	ng/ul	99
56) Dibenzofuran	14.865	168	153836	20.415	ng/ul	91
57) 2,4-Dinitrotoluene	14.829	165	40586	19.645	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.094	232	35897	19.425	ng/ul#	94
59) Diethylphthalate	15.288	149	129003	17.590	ng/ul	96
61) Fluorene	15.517	166	124794	19.529	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.511	204	66207	19.650	ng/ul	92
63) 4-Nitroaniline	15.529	138	20412	18.178	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.593	198	25688	19.193	ng/ul#	97
67) N-Nitrosodiphenylamine	15.723	169	109134	21.658	ng/ul	98
68) 4-Bromophenyl-phenylether	16.404	248	46947	21.673	ng/ul	97
69) Hexachlorobenzene	16.522	284	52406	21.464	ng/ul	97
70) Atrazine	16.669	200	40822	16.429	ng/ul	93
71) Pentachlorophenol	16.862	266	26829	17.141	ng/ul	92
72) Phenanthrene	17.250	178	205036	20.433	ng/ul	99
74) Anthracene	17.344	178	208116	20.375	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.267	216	56497	22.584	ng/ul	96
76) Pentachlorobenzene	14.788	250	61091	22.322	ng/ul	99
77) Carbazole	17.609	167	167429	18.877	ng/ul	99
78) Di-n-butylphthalate	18.179	149	177689	16.137	ng/ul	99
80) Fluoranthene	19.260	202	223342	19.978	ng/ul#	97
82) Pyrene	19.624	202	225424	19.577	ng/ul	100
83) Butylbenzylphthalate	20.517	149	83513	18.550	ng/ul#	97
84) 3,3'-Dichlorobenzidine	21.340	252	84294	22.873	ng/ul#	97
85) Benzo(a)anthracene	21.416	228	234317	19.913	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.345	149	123117	19.062	ng/ul	97
87) Chrysene	21.481	228	221387	19.991	ng/ul	98
89) Di-n-octyl phthalate	22.473	149	212750	19.609	ng/ul	100
90) Benzo(b)fluoranthene	23.484	252	243775m	21.268	ng/ul	
91) Benzo(k)fluoranthene	23.549	252	232998	20.431	ng/ul	97
93) Benzo(a)pyrene	24.289	252	220554	20.715	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	27.791	276	279557	20.308	ng/ul	96
95) Dibenzo(a,h)anthracene	27.855	278	228960	20.643	ng/ul	94
96) Benzo(g,h,i)perylene	28.842	276	228976m	20.376	ng/ul	

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

