

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091125\
 Data File : BG064348.D
 Acq On : 11 Sep 2025 15:45
 Operator : RC/JU
 Sample : SSTD02015
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020414

Quant Time: Sep 12 10:42:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 10:45:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.843	152	20742	20.000	ng/u1	0.00
20) Naphthalene-d8	10.634	136	92289	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.470	164	71515	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.208	188	181236	20.000	ng/u1	0.00
79) Chrysene-d12	21.439	240	193763	20.000	ng/u1	0.00
88) Perylene-d12	24.447	264	209785	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.319	96	3052	6.352	ng/uL	0.00
4) Pyridine-d5	3.718	84	22613	16.409	ng/u1	0.00
7) Phenol-d5	7.015	99	32763	18.460	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.179	67	16973	15.557	ng/u1	0.00
11) 2-Chlorophenol-d4	7.379	132	28231	19.601	ng/u1	0.00
15) 4-Methylphenol-d8	8.548	113	28849	19.092	ng/u1	0.00
21) Nitrobenzene-d5	9.000	128	14186	20.787	ng/u1	0.00
24) 2-Nitrophenol-d4	9.723	143	17478	23.772	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	33179	22.633	ng/u1	0.00
31) 4-Chloroaniline-d4	10.763	131	41842	20.758	ng/u1	0.00
46) Dimethylphthalate-d6	13.877	166	126890	22.417	ng/u1	0.00
49) Acenaphthylene-d8	14.165	160	124200	20.329	ng/u1	0.00
54) 4-Nitrophenol-d4	14.670	143	20699	22.085	ng/u1	0.00
60) Fluorene-d10	15.463	176	104352	21.633	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	25887	24.957	ng/u1	0.00
73) Anthracene-d10	17.308	188	185273	20.716	ng/u1	0.00
81) Pyrene-d10	19.594	212	220255	20.840	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.241	264	219717	20.441	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.348	88	3540	6.490	ng/uL	100
5) Pyridine	3.736	79	24834	17.287	ng/u1	100
6) Benzaldehyde	6.985	77	20149	20.055	ng/u1	100
8) Phenol	7.044	94	33375	18.146	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.267	93	22387	16.414	ng/u1	100
12) 2-Chlorophenol	7.414	128	29177	19.809	ng/u1	100
13) 2-Methylphenol	8.290	108	27312	19.026	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.366	45	43833	14.070	ng/u1	100
16) Acetophenone	8.660	105	47142	19.290	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.648	70	22530	17.588	ng/u1	100
18) 4-Methylphenol	8.613	108	29410	18.538	ng/u1	100
19) Hexachloroethane	8.924	117	11977	19.007	ng/u1	100
22) Nitrobenzene	9.042	77	36489	19.921	ng/u1	100
23) Isophorone	9.565	82	69773	19.927	ng/u1	100
25) 2-Nitrophenol	9.747	139	18259	23.281	ng/u1	100
26) 2,4-Dimethylphenol	9.811	107	35464	20.775	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.046	93	35042	18.084	ng/u1	100
29) 2,4-Dichlorophenol	10.281	162	30106	21.291	ng/u1	100
30) Naphthalene	10.681	128	98522	20.086	ng/u1	100
32) 4-Chloroaniline	10.787	127	42395	21.582	ng/u1	100
33) Hexachlorobutadiene	10.975	225	27350	24.204	ng/u1	100
34) Caprolactam	11.545	113	13001m	23.555	ng/u1	
35) 4-Chloro-3-methylphenol	11.915	107	37913	21.449	ng/u1	100
36) 2-Methylnaphthalene	12.297	142	76977	21.333	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.514	142	76020	20.819	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.661	216	46086	21.347	ng/ul	100
40) Hexachlorocyclopentadiene	12.649	237	26977	22.097	ng/ul	100
41) 2,4,6-Trichlorophenol	12.902	196	28932	21.232	ng/ul	100
42) 2,4,5-Trichlorophenol	12.978	196	31195	21.208	ng/ul	99
43) 1,1'-Biphenyl	13.307	154	104298	19.563	ng/ul	100
44) 2-Chloronaphthalene	13.342	162	79023	19.708	ng/ul	100
45) 2-Nitroaniline	13.548	65	27629	20.249	ng/ul	100
47) Dimethylphthalate	13.924	163	116326	21.928	ng/ul	100
48) 2,6-Dinitrotoluene	14.042	165	23425	23.120	ng/ul	100
50) Acenaphthylene	14.194	152	133601	21.058	ng/ul	100
51) 3-Nitroaniline	14.371	138	21387	21.562	ng/ul	100
52) Acenaphthene	14.535	153	91190	19.776	ng/ul	100
53) 2,4-Dinitrophenol	14.582	184	14449	25.732	ng/ul	100
55) 4-Nitrophenol	14.688	109	27206	24.630	ng/ul	100
56) Dibenzofuran	14.870	168	132863	20.499	ng/ul	100
57) 2,4-Dinitrotoluene	14.829	165	36900	23.532	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.093	232	33030	24.090	ng/ul	100
59) Diethylphthalate	15.293	149	131790	22.787	ng/ul	100
61) Fluorene	15.516	166	114667	21.413	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.516	204	60496	22.490	ng/ul	100
63) 4-Nitroaniline	15.534	138	22398	21.629	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.599	198	26003	23.860	ng/ul	100
67) N-Nitrosodiphenylamine	15.728	169	99602	19.329	ng/ul	100
68) 4-Bromophenyl-phenylether	16.404	248	44051	22.071	ng/ul	100
69) Hexachlorobenzene	16.521	284	48676	21.941	ng/ul	100
70) Atrazine	16.674	200	49452	23.463	ng/ul	100
71) Pentachlorophenol	16.868	266	29115	21.738	ng/ul	100
72) Phenanthrene	17.255	178	198608	20.053	ng/ul	100
74) Anthracene	17.344	178	202723	20.033	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.272	216	49009	19.754	ng/ul	100
76) Pentachlorobenzene	14.794	250	53478	20.490	ng/ul	100
77) Carbazole	17.614	167	177571	20.392	ng/ul	100
78) Di-n-butylphthalate	18.178	149	216956	19.507	ng/ul	100
80) Fluoranthene	19.265	202	248387	20.030	ng/ul	100
82) Pyrene	19.623	202	255293	19.565	ng/ul	100
83) Butylbenzylphthalate	20.522	149	98649	19.052	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.345	252	88255	23.387	ng/ul	100
85) Benzo(a)anthracene	21.421	228	263255	20.021	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.345	149	141272	18.333	ng/ul	100
87) Chrysene	21.486	228	240655	19.325	ng/ul	100
89) Di-n-octyl phthalate	22.485	149	244840	18.599	ng/ul	100
90) Benzo(b)fluoranthene	23.495	252	253985	19.894	ng/ul	100
91) Benzo(k)fluoranthene	23.554	252	251702	19.567	ng/ul	100
93) Benzo(a)pyrene	24.306	252	236324	19.796	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.814	276	305275	20.257	ng/ul	100
95) Dibenzo(a,h)anthracene	27.872	278	250294	20.771	ng/ul	100
96) Benzo(g,h,i)perylene	28.871	276	254579	21.516	ng/ul	100

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

