

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091125\
 Data File : BG064350.D
 Acq On : 11 Sep 2025 17:08
 Operator : RC/JU
 Sample : SSTD08017
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD080416

Quant Time: Sep 12 10:56:17 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	7.848	152	19105	20.000	ng/u1	0.00
20) Naphthalene-d8	10.638	136	89037	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	70989	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.213	188	171792	20.000	ng/u1	0.00
79) Chrysene-d12	21.443	240	174814	20.000	ng/u1	# 0.00
88) Perylene-d12	24.446	264	187477	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.312	96	11472	25.921	ng/uL	0.00
4) Pyridine-d5	3.717	84	82536	65.025	ng/u1	0.00
7) Phenol-d5	7.019	99	130876	80.059	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.184	67	65649	65.328	ng/u1	0.00
11) 2-Chlorophenol-d4	7.383	132	107244	80.841	ng/u1	0.00
15) 4-Methylphenol-d8	8.558	113	119785	86.063	ng/u1	0.01
21) Nitrobenzene-d5	9.005	128	58207	88.406	ng/u1	0.00
24) 2-Nitrophenol-d4	9.722	143	71608	100.954	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.262	165	133374	94.304	ng/u1	0.00
31) 4-Chloroaniline-d4	10.774	131	177427	91.237	ng/u1	0.01
46) Dimethylphthalate-d6	13.887	166	494989	88.094	ng/u1	0.01
49) Acenaphthylene-d8	14.170	160	491030	80.968	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	83310	89.548	ng/u1	0.02
60) Fluorene-d10	15.468	176	403855	84.341	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.591	200	101831	103.570	ng/u1	0.01
73) Anthracene-d10	17.319	188	675343	79.664	ng/u1	0.01
81) Pyrene-d10	19.604	212	797373	83.623	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.252	264	799154	83.197	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.347	88	12219	24.321	ng/uL#	70
5) Pyridine	3.741	79	91438	69.103	ng/u1	95
6) Benzaldehyde	6.990	77	47187	50.992	ng/u1	95
8) Phenol	7.048	94	131592	77.678	ng/u1#	86
10) Bis(2-Chloroethyl)ether	7.272	93	90084	71.706	ng/u1	93
12) 2-Chlorophenol	7.413	128	107992	79.602	ng/u1#	88
13) 2-Methylphenol	8.288	108	108738	82.237	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.370	45	167998	58.545	ng/u1#	95
16) Acetophenone	8.670	105	185030	82.201	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.670	70	91811	77.812	ng/u1#	96
18) 4-Methylphenol	8.623	108	119160	81.544	ng/u1	90
19) Hexachloroethane	8.929	117	46841	80.705	ng/u1	95
22) Nitrobenzene	9.046	77	140785	79.668	ng/u1	94
23) Isophorone	9.575	82	266071	78.763	ng/u1	99
25) 2-Nitrophenol	9.751	139	68871	91.020	ng/u1	93
26) 2,4-Dimethylphenol	9.816	107	150950	91.657	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.051	93	136037	72.770	ng/u1#	95
29) 2,4-Dichlorophenol	10.286	162	120994	88.692	ng/u1	97
30) Naphthalene	10.685	128	387115	81.804	ng/u1	98
32) 4-Chloroaniline	10.797	127	178340	94.105	ng/u1	94
33) Hexachlorobutadiene	10.973	225	104887	96.214	ng/u1	98
34) Caprolactam	11.573	113	46181m	86.727	ng/u1	
35) 4-Chloro-3-methylphenol	11.925	107	153095	89.775	ng/u1	97
36) 2-Methylnaphthalene	12.295	142	300330	86.272	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.519	142	299365	84.977	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.665	216	183142	85.460	ng/ul	96
40) Hexachlorocyclopentadiene	12.648	237	136177	112.370	ng/ul	98
41) 2,4,6-Trichlorophenol	12.906	196	118100	87.312	ng/ul	96
42) 2,4,5-Trichlorophenol	12.983	196	131857	90.306	ng/ul	97
43) 1,1'-Biphenyl	13.306	154	416066	78.619	ng/ul	98
44) 2-Chloronaphthalene	13.347	162	312688	78.560	ng/ul	95
45) 2-Nitroaniline	13.553	65	118395	87.414	ng/ul	90
47) Dimethylphthalate	13.935	163	455128	86.430	ng/ul#	96
48) 2,6-Dinitrotoluene	14.052	165	93704	93.169	ng/ul#	89
50) Acenaphthylene	14.199	152	524323	83.255	ng/ul	98
51) 3-Nitroaniline	14.381	138	73790	74.944	ng/ul	97
52) Acenaphthene	14.540	153	358275	78.274	ng/ul	94
53) 2,4-Dinitrophenol	14.587	184	69431	124.565	ng/ul	87
55) 4-Nitrophenol	14.704	109	109906	100.236	ng/ul	97
56) Dibenzofuran	14.875	168	532226	82.724	ng/ul	92
57) 2,4-Dinitrotoluene	14.839	165	149743	96.202	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.104	232	130981	96.236	ng/ul	94
59) Diethylphthalate	15.303	149	484673	84.422	ng/ul	97
61) Fluorene	15.527	166	437799	82.360	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.515	204	230587	86.357	ng/ul	92
63) 4-Nitroaniline	15.550	138	73322	71.330	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.609	198	100426	97.217	ng/ul	92
67) N-Nitrosodiphenylamine	15.732	169	383691	78.553	ng/ul	98
68) 4-Bromophenyl-phenylether	16.408	248	162798	86.050	ng/ul	90
69) Hexachlorobenzene	16.526	284	184641	87.804	ng/ul	98
70) Atrazine	16.690	200	180322	90.259	ng/ul	93
71) Pentachlorophenol	16.866	266	122720	96.662	ng/ul	94
72) Phenanthrene	17.260	178	742733	79.116	ng/ul	100
74) Anthracene	17.354	178	760564	79.291	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.271	216	190656	81.073	ng/ul	99
76) Pentachlorobenzene	14.798	250	212420	85.864	ng/ul	98
77) Carbazole	17.618	167	656228	79.503	ng/ul	98
78) Di-n-butylphthalate	18.182	149	812178	77.040	ng/ul	99
80) Fluoranthene	19.269	202	899325	80.385	ng/ul	99
82) Pyrene	19.634	202	919877	78.137	ng/ul	99
83) Butylbenzylphthalate	20.521	149	358922	76.833	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.349	252	277015	81.363	ng/ul	98
85) Benzo(a)anthracene	21.426	228	941883	79.396	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.349	149	501978	72.202	ng/ul	97
87) Chrysene	21.490	228	891819	79.375	ng/ul	99
89) Di-n-octyl phthalate	22.483	149	857116	72.858	ng/ul	100
90) Benzo(b)fluoranthene	23.506	252	921041m	80.726	ng/ul	
91) Benzo(k)fluoranthene	23.570	252	906842	78.884	ng/ul	96
93) Benzo(a)pyrene	24.322	252	858026	80.425	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.848	276	1100317	81.701	ng/ul	96
95) Dibenzo(a,h)anthracene	27.906	278	898343	83.422	ng/ul	96
96) Benzo(g,h,i)perylene	28.905	276	893823	84.532	ng/ul#	96

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

