

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
 Data File : BG064851.D
 Acq On : 24 Nov 2025 16:06
 Operator : RC/JU
 Sample : SST04022
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST040422

Quant Time: Nov 25 10:10:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 25 09:55:47 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	34659	20.000	ng/u1	0.00
20) Naphthalene-d8	10.975	136	144959	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.771	164	121634	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.497	188	304933	20.000	ng/u1	0.00
79) Chrysene-d12	21.745	240	369319	20.000	ng/u1	0.00
88) Perylene-d12	25.000	264	404530	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.484	96	13817	19.587	ng/uL	0.00
4) Pyridine-d5	3.907	84	100150	48.931	ng/u1	0.00
7) Phenol-d5	7.303	99	114544	40.283	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	72540	46.691	ng/u1	0.00
11) 2-Chlorophenol-d4	7.685	132	90288	40.351	ng/u1	0.00
15) 4-Methylphenol-d8	8.854	113	102250	39.938	ng/u1	0.00
21) Nitrobenzene-d5	9.318	128	46728	40.933	ng/u1	0.00
24) 2-Nitrophenol-d4	10.041	143	57597	41.530	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	117824	45.094	ng/u1	0.00
31) 4-Chloroaniline-d4	11.099	131	140858	40.156	ng/u1	0.00
46) Dimethylphthalate-d6	14.165	166	396492	37.241	ng/u1	0.00
49) Acenaphthylene-d8	14.465	160	429710	41.037	ng/u1	0.00
54) 4-Nitrophenol-d4	14.941	143	64418m	39.456	ng/u1	0.00
60) Fluorene-d10	15.752	176	349174	39.773	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.858	200	83091	39.610	ng/u1	0.00
73) Anthracene-d10	17.597	188	634687	41.674	ng/u1	0.00
81) Pyrene-d10	19.865	212	785854	38.280	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.777	264	902924	43.066	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.519	88	14807	18.496	ng/uL	98
5) Pyridine	3.930	79	110964	51.806	ng/u1	97
6) Benzaldehyde	7.279	77	62294	46.187	ng/u1	96
8) Phenol	7.326	94	119187	40.813	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.561	93	87565	42.560	ng/u1	98
12) 2-Chlorophenol	7.714	128	96703	41.521	ng/u1	99
13) 2-Methylphenol	8.590	108	100243	41.786	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.678	45	193981	49.564	ng/u1	98
16) Acetophenone	8.977	105	167293	40.883	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.960	70	81544	42.087	ng/u1#	95
18) 4-Methylphenol	8.919	108	105681	40.449	ng/u1	85
19) Hexachloroethane	9.254	117	40438	39.155	ng/u1	93
22) Nitrobenzene	9.359	77	122190	43.079	ng/u1	97
23) Isophorone	9.888	82	238720	43.643	ng/u1	99
25) 2-Nitrophenol	10.076	139	60522	45.766	ng/u1	97
26) 2,4-Dimethylphenol	10.129	107	124151	41.400	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.364	93	132625	46.731	ng/u1	99
29) 2,4-Dichlorophenol	10.611	162	109121	45.357	ng/u1	98
30) Naphthalene	11.022	128	339514	42.077	ng/u1	98
32) 4-Chloroaniline	11.122	127	144702	41.669	ng/u1	96
33) Hexachlorobutadiene	11.310	225	106838	47.907	ng/u1	95
34) Caprolactam	11.874	113	35995m	38.405	ng/u1	
35) 4-Chloro-3-methylphenol	12.227	107	118609	40.995	ng/u1	94
36) 2-Methylnaphthalene	12.614	142	261080	42.811	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	251114	41.507	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.979	216	197026	48.980	ng/ul	97
40) Hexachlorocyclopentadiene	12.961	237	137055	48.848	ng/ul	89
41) 2,4,6-Trichlorophenol	13.208	196	113292	45.062	ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	127432	47.646	ng/ul	97
43) 1,1'-Biphenyl	13.607	154	356758	39.772	ng/ul	100
44) 2-Chloronaphthalene	13.654	162	281957	42.642	ng/ul	98
45) 2-Nitroaniline	13.842	65	91515	39.794	ng/ul	96
47) Dimethylphthalate	14.212	163	406333	40.279	ng/ul	99
48) 2,6-Dinitrotoluene	14.330	165	78915	41.491	ng/ul	96
50) Acenaphthylene	14.495	152	487638	42.728	ng/ul	98
51) 3-Nitroaniline	14.659	138	65836	40.347	ng/ul#	97
52) Acenaphthene	14.829	153	312419	40.672	ng/ul	99
53) 2,4-Dinitrophenol	14.859	184	44431	36.665	ng/ul	90
55) 4-Nitrophenol	14.953	109	55143	26.810	ng/ul	93
56) Dibenzofuran	15.164	168	487398	42.456	ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	120095	39.429	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	131837	45.868	ng/ul	98
59) Diethylphthalate	15.564	149	397399	36.886	ng/ul	99
61) Fluorene	15.805	166	374910	39.293	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.793	204	228061	43.949	ng/ul	99
63) 4-Nitroaniline	15.811	138	66739	39.992	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.869	198	80753	38.200	ng/ul	97
67) N-Nitrosodiphenylamine	16.005	169	340318	40.857	ng/ul	97
68) 4-Bromophenyl-phenylether	16.686	248	171771	46.925	ng/ul	95
69) Hexachlorobenzene	16.809	284	201493	48.032	ng/ul	97
70) Atrazine	16.939	200	161271	39.660	ng/ul	97
71) Pentachlorophenol	17.144	266	115339	44.324	ng/ul	98
72) Phenanthrene	17.538	178	693489	41.410	ng/ul	99
74) Anthracene	17.632	178	714137	41.961	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.578	216	196197	46.611	ng/ul	98
76) Pentachlorobenzene	15.088	250	215498	46.162	ng/ul	98
77) Carbazole	17.891	167	577896	39.685	ng/ul	100
78) Di-n-butylphthalate	18.443	149	675416	37.799	ng/ul	99
80) Fluoranthene	19.536	202	899710	38.687	ng/ul	99
82) Pyrene	19.894	202	918561	38.237	ng/ul	98
83) Butylbenzylphthalate	20.758	149	305002	33.570	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.633	252	338536	43.145	ng/ul	98
85) Benzo(a)anthracene	21.727	228	1024403	41.258	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.621	149	446688	34.024	ng/ul	99
87) Chrysene	21.792	228	976636	41.364	ng/ul	99
89) Di-n-octyl phthalate	22.844	149	774540	34.996	ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	1041686	42.381	ng/ul	99
91) Benzo(k)fluoranthene	24.030	252	1058693	43.155	ng/ul	97
93) Benzo(a)pyrene	24.847	252	996457	43.638	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.719	276	1281760	43.468	ng/ul	99
95) Dibenzo(a,h)anthracene	28.784	278	1046314	44.293	ng/ul	99
96) Benzo(g,h,i)perylene	29.888	276	1038851	43.494	ng/ul	99

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

