

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091625\
 Data File : BG064404.D
 Acq On : 17 Sep 2025 4:20
 Operator : RC/JU
 Sample : Q3084-20MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PMW-2(20250911)MSD

Quant Time: Sep 17 10:45:15 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	7.847	152	17727	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	79215	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	58708	20.000	ng/u1	# 0.00
64) Phenanthrene-d10	17.207	188	140264	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	152602	20.000	ng/u1	0.00
88) Perylene-d12	24.434	264	173766	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	2643m	7.832	ng/uL	0.00
4) Pyridine-d5	3.723	84	16473	16.732	ng/u1	0.00
7) Phenol-d5	7.013	99	15176	10.474	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.171	67	30448	40.268	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	37968	32.763	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	29475	22.358	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	24729	39.784	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	30821	40.651	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.256	165	56297	39.932	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	68901	36.151	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	237179	45.331	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	223772	44.265	ng/u1	0.00
54) 4-Nitrophenol-d4	14.674	143	9085	11.082	ng/u1	0.00
60) Fluorene-d10	15.462	176	192215	45.279	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	51133	51.107	ng/u1	0.00
73) Anthracene-d10	17.307	188	341948	48.871	ng/u1	0.00
81) Pyrene-d10	19.598	212	412715	48.015	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.234	264	448884	50.122	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.346	88	21756	57.660	ng/uL#	82
5) Pyridine	3.740	79	15990	15.402	ng/u1	95
6) Benzaldehyde	6.983	77	18085	26.839	ng/u1	94
8) Phenol	7.042	94	14351	9.669	ng/u1#	82
10) Bis(2-Chloroethyl)ether	7.265	93	37836	36.918	ng/u1	92
12) 2-Chlorophenol	7.412	128	38916	32.303	ng/u1#	92
13) 2-Methylphenol	8.288	108	30588	24.841	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.364	45	63741	33.404	ng/u1#	94
16) Acetophenone	8.658	105	78501	37.455	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.646	70	38279	38.831	ng/u1	99
18) 4-Methylphenol	8.611	108	29899	22.577	ng/u1	88
19) Hexachloroethane	8.922	117	14905	28.063	ng/u1	87
22) Nitrobenzene	9.034	77	57322	37.127	ng/u1	94
23) Isophorone	9.563	82	108888	36.675	ng/u1	97
25) 2-Nitrophenol	9.751	139	27676	38.075	ng/u1	92
26) 2,4-Dimethylphenol	9.809	107	59983	37.218	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.045	93	58974	39.231	ng/u1#	96
29) 2,4-Dichlorophenol	10.280	162	50007	38.877	ng/u1	94
30) Naphthalene	10.679	128	155688	36.102	ng/u1	98
32) 4-Chloroaniline	10.791	127	46312	24.653	ng/u1	94
33) Hexachlorobutadiene	10.973	225	39191	33.913	ng/u1	98
34) Caprolactam	11.549	113	3496m	6.701	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	57279	35.992	ng/u1#	87
36) 2-Methylnaphthalene	12.289	142	124369	37.883	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	121793	37.330	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.659	216	79755	42.869	ng/ul	93
40) Hexachlorocyclopentadiene	12.641	237	43060	33.605	ng/ul	96
41) 2,4,6-Trichlorophenol	12.900	196	51837	43.493	ng/ul	92
42) 2,4,5-Trichlorophenol	12.970	196	59577	46.728	ng/ul	93
43) 1,1'-Biphenyl	13.300	154	181012	41.761	ng/ul	99
44) 2-Chloronaphthalene	13.341	162	132988	41.814	ng/ul	97
45) 2-Nitroaniline	13.546	65	52357	45.846	ng/ul#	87
47) Dimethylphthalate	13.928	163	211080	43.421	ng/ul	95
48) 2,6-Dinitrotoluene	14.046	165	45052	48.440	ng/ul	92
50) Acenaphthylene	14.193	152	231003	42.479	ng/ul	97
51) 3-Nitroaniline	14.375	138	37524	47.296	ng/ul#	97
52) Acenaphthene	14.533	153	157545	42.664	ng/ul	94
53) 2,4-Dinitrophenol	14.575	184	28796	45.970	ng/ul	87
55) 4-Nitrophenol	14.686	109	12157	11.193	ng/ul#	87
56) Dibenzofuran	14.868	168	239060	43.711	ng/ul	93
57) 2,4-Dinitrotoluene	14.833	165	70538	47.041	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.097	232	62781	46.809	ng/ul#	95
59) Diethylphthalate	15.291	149	224597	42.195	ng/ul	96
61) Fluorene	15.515	166	203142	43.801	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.509	204	107344	43.896	ng/ul	95
63) 4-Nitroaniline	15.538	138	43910	53.880	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.597	198	48840	48.031	ng/ul#	95
67) N-Nitrosodiphenylamine	15.726	169	185665	48.499	ng/ul	97
68) 4-Bromophenyl-phenylether	16.402	248	77499	47.092	ng/ul	87
69) Hexachlorobenzene	16.519	284	91080	49.101	ng/ul	93
70) Atrazine	16.678	200	81842	43.355	ng/ul	97
71) Pentachlorophenol	16.860	266	56820	47.784	ng/ul	97
72) Phenanthrene	17.254	178	359138	47.110	ng/ul	100
74) Anthracene	17.342	178	370642	47.763	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.270	216	81345	42.800	ng/ul	99
76) Pentachlorobenzene	14.792	250	92472	44.475	ng/ul	96
77) Carbazole	17.612	167	323258	47.974	ng/ul	98
78) Di-n-butylphthalate	18.176	149	383638	45.860	ng/ul	100
80) Fluoranthene	19.263	202	450841	46.374	ng/ul	98
82) Pyrene	19.627	202	462061	46.145	ng/ul	99
83) Butylbenzylphthalate	20.520	149	183568	46.886	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.343	252	135918	42.411	ng/ul	91
85) Benzo(a)anthracene	21.419	228	497364	48.604	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.343	149	261000	46.469	ng/ul	99
87) Chrysene	21.484	228	472446	49.058	ng/ul	99
89) Di-n-octyl phthalate	22.477	149	452171	45.709	ng/ul	100
90) Benzo(b)fluoranthene	23.493	252	503939m	48.220	ng/ul	
91) Benzo(k)fluoranthene	23.558	252	495019	47.606	ng/ul	99
93) Benzo(a)pyrene	24.304	252	463222	47.715	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.812	276	611144	48.691	ng/ul	98
95) Dibenzo(a,h)anthracene	27.871	278	495808	49.027	ng/ul	94
96) Benzo(g,h,i)perylene	28.869	276	489023	47.727	ng/ul#	93

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

