

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091625\
 Data File : BG064403.D
 Acq On : 17 Sep 2025 3:39
 Operator : RC/JU
 Sample : Q3084-19MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 17 10:43:49 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	7.841	152	16063	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	71180	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	55262	20.000	ng/u1	# 0.00
64) Phenanthrene-d10	17.207	188	137062	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	150397	20.000	ng/u1	0.00
88) Perylene-d12	24.433	264	169151	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	2295	7.505	ng/uL	0.00
4) Pyridine-d5	3.716	84	15922	17.847	ng/u1	0.00
7) Phenol-d5	7.013	99	12861	9.795	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.171	67	26353	38.462	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	34659	33.006	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	25558	21.395	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	23240	41.609	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	26454	38.829	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	53219	42.010	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	63166	36.883	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	228453	46.386	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	212490	44.654	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	8882	11.510	ng/u1	0.00
60) Fluorene-d10	15.462	176	190389	47.646	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	48367	49.472	ng/u1	0.00
73) Anthracene-d10	17.306	188	338742	49.544	ng/u1	0.00
81) Pyrene-d10	19.598	212	409864	48.382	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.240	264	453268	51.992	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.346	88	19750	57.766	ng/uL	91
5) Pyridine	3.740	79	14605	15.525	ng/u1	89
6) Benzaldehyde	6.983	77	14853	24.326	ng/u1	93
8) Phenol	7.036	94	13079	9.725	ng/u1#	82
10) Bis(2-Chloroethyl)ether	7.271	93	34665	37.328	ng/u1	87
12) 2-Chlorophenol	7.406	128	33218	30.430	ng/u1	90
13) 2-Methylphenol	8.288	108	27468	24.618	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.370	45	55461	32.076	ng/u1#	96
16) Acetophenone	8.658	105	74000	38.965	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.646	70	34398	38.508	ng/u1#	92
18) 4-Methylphenol	8.617	108	26411	22.009	ng/u1	84
19) Hexachloroethane	8.922	117	13585	28.227	ng/u1	99
22) Nitrobenzene	9.040	77	52375	37.753	ng/u1#	90
23) Isophorone	9.557	82	103019	38.615	ng/u1	96
25) 2-Nitrophenol	9.745	139	26003	39.811	ng/u1	98
26) 2,4-Dimethylphenol	9.809	107	57385	39.625	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.044	93	52074	38.552	ng/u1	96
29) 2,4-Dichlorophenol	10.279	162	46269	40.031	ng/u1	97
30) Naphthalene	10.679	128	139337	35.958	ng/u1	97
32) 4-Chloroaniline	10.785	127	43427	25.726	ng/u1	97
33) Hexachlorobutadiene	10.973	225	34004	32.746	ng/u1	89
34) Caprolactam	11.543	113	3484m	7.432	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	56106	39.235	ng/u1	98
36) 2-Methylnaphthalene	12.289	142	116917	39.633	ng/u1	100

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	115625	39.440	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.659	216	71920	41.068	ng/ul	96
40) Hexachlorocyclopentadiene	12.641	237	40725	33.764	ng/ul	95
41) 2,4,6-Trichlorophenol	12.900	196	50499	45.013	ng/ul	98
42) 2,4,5-Trichlorophenol	12.970	196	56151	46.787	ng/ul	96
43) 1,1'-Biphenyl	13.299	154	170146	41.702	ng/ul	99
44) 2-Chloronaphthalene	13.341	162	126513	42.259	ng/ul	96
45) 2-Nitroaniline	13.546	65	51790	48.177	ng/ul	97
47) Dimethylphthalate	13.928	163	206904	45.216	ng/ul#	94
48) 2,6-Dinitrotoluene	14.046	165	44003	50.263	ng/ul	89
50) Acenaphthylene	14.192	152	225789	44.110	ng/ul	98
51) 3-Nitroaniline	14.375	138	38296	51.279	ng/ul	98
52) Acenaphthene	14.533	153	153109	44.049	ng/ul	95
53) 2,4-Dinitrophenol	14.580	184	28651	48.590	ng/ul	88
55) 4-Nitrophenol	14.680	109	12379	12.108	ng/ul	97
56) Dibenzofuran	14.868	168	235058	45.659	ng/ul	93
57) 2,4-Dinitrotoluene	14.833	165	70270	49.785	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.091	232	60822	48.176	ng/ul#	97
59) Diethylphthalate	15.291	149	224878	44.882	ng/ul	96
61) Fluorene	15.520	166	200089	45.833	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.509	204	106610	46.314	ng/ul	96
63) 4-Nitroaniline	15.532	138	43592	56.825	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.597	198	47544	47.849	ng/ul#	98
67) N-Nitrosodiphenylamine	15.726	169	182191	48.704	ng/ul	96
68) 4-Bromophenyl-phenylether	16.402	248	76608	47.638	ng/ul	91
69) Hexachlorobenzene	16.519	284	87738	48.404	ng/ul	96
70) Atrazine	16.678	200	80728	43.764	ng/ul	94
71) Pentachlorophenol	16.866	266	57681	49.642	ng/ul	95
72) Phenanthrene	17.254	178	354097	47.534	ng/ul	98
74) Anthracene	17.342	178	362319	47.781	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.264	216	76995	41.458	ng/ul	98
76) Pentachlorobenzene	14.792	250	91349	44.961	ng/ul	96
77) Carbazole	17.612	167	320576	48.687	ng/ul	99
78) Di-n-butylphthalate	18.176	149	385395	47.147	ng/ul	99
80) Fluoranthene	19.263	202	444155	46.357	ng/ul	98
82) Pyrene	19.627	202	460554	46.669	ng/ul	97
83) Butylbenzylphthalate	20.520	149	181194	46.959	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.343	252	139495	44.165	ng/ul	94
85) Benzo(a)anthracene	21.419	228	493902	48.973	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.343	149	259612	46.899	ng/ul#	96
87) Chrysene	21.484	228	467306	49.236	ng/ul	99
89) Di-n-octyl phthalate	22.477	149	450765	46.810	ng/ul	100
90) Benzo(b)fluoranthene	23.493	252	501083	49.254	ng/ul	99
91) Benzo(k)fluoranthene	23.558	252	492091	48.616	ng/ul	98
93) Benzo(a)pyrene	24.304	252	470199	49.755	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.818	276	606864	49.669	ng/ul	99
95) Dibenzo(a,h)anthracene	27.871	278	498866	50.675	ng/ul	95
96) Benzo(g,h,i)perylene	28.869	276	489292	49.056	ng/ul#	95

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

