

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091225\
 Data File : BG064356.D
 Acq On : 12 Sep 2025 12:41
 Operator : RC/JU
 Sample : Q2899-01
 Misc : MDL-WATER 4 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Quant Time: Sep 12 13:19:28 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	17814	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	80579	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	63461	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	170405	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	201750	20.000	ng/u1	0.00
88) Perylene-d12	24.440	264	216277	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.311	96	1224	3.609	ng/uL	0.00
4) Pyridine-d5	3.717	84	16368	16.544	ng/u1	0.00
7) Phenol-d5	7.013	99	21136	14.516	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.178	67	12134	15.969	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	18809	16.151	ng/u1	0.00
15) 4-Methylphenol-d8	8.547	113	18932	14.290	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	9670	15.294	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	11567	14.998	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.256	165	21093	14.708	ng/u1	0.00
31) 4-Chloroaniline-d4	10.767	131	27576	14.224	ng/u1	0.00
46) Dimethylphthalate-d6	13.876	166	91030	16.095	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	84507	15.464	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	13191	14.885	ng/u1	0.00
60) Fluorene-d10	15.462	176	73511	16.020	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.574	200	16943	13.939	ng/u1	0.00
73) Anthracene-d10	17.307	188	123809	14.565	ng/u1	0.00
81) Pyrene-d10	19.592	212	162176	14.271	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.228	264	166429	14.931	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	658	1.735	ng/uL#	70
5) Pyridine	3.740	79	4357m	4.176	ng/u1	
6) Benzaldehyde	6.990	77	4044	5.972	ng/u1	88
8) Phenol	7.037	94	5705	3.825	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.272	93	3825	3.714	ng/u1	90
12) 2-Chlorophenol	7.413	128	5558	4.591	ng/u1#	85
13) 2-Methylphenol	8.288	108	4813	3.890	ng/u1	83
14) 2,2'-oxybis(1-Chloropr...	8.364	45	8187	4.269	ng/u1#	92
16) Acetophenone	8.658	105	8829	4.192	ng/u1	90
17) N-Nitroso-di-n-propyla...	8.646	70	4301	4.342	ng/u1#	98
18) 4-Methylphenol	8.611	108	5866	4.408	ng/u1#	76
19) Hexachloroethane	8.923	117	2705	5.068	ng/u1#	71
22) Nitrobenzene	9.040	77	7279	4.635	ng/u1#	94
23) Isophorone	9.557	82	12964	4.293	ng/u1	97
25) 2-Nitrophenol	9.745	139	3499	4.732	ng/u1	91
26) 2,4-Dimethylphenol	9.816	107	5762	3.515	ng/u1#	83
27) Bis(2-Chloroethoxy)met...	10.051	93	6472	4.232	ng/u1#	85
29) 2,4-Dichlorophenol	10.274	162	5934	4.535	ng/u1#	85
30) Naphthalene	10.679	128	18937	4.317	ng/u1	97
32) 4-Chloroaniline	10.791	127	7447	3.897	ng/u1	97
33) Hexachlorobutadiene	10.967	225	5425	4.615	ng/u1#	80
34) Caprolactam	11.543	113	2753m	5.188	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	7026	4.340	ng/u1	86
36) 2-Methylnaphthalene	12.295	142	14324	4.289	ng/u1	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	14052	4.234	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.659	216	8480	4.217	ng/ul	91
40) Hexachlorocyclopentadiene	12.642	237	5758	4.157	ng/ul#	95
41) 2,4,6-Trichlorophenol	12.906	196	5336	4.142	ng/ul#	80
42) 2,4,5-Trichlorophenol	12.982	196	5860	4.252	ng/ul#	82
43) 1,1'-Biphenyl	13.300	154	20159	4.303	ng/ul	96
44) 2-Chloronaphthalene	13.347	162	14865	4.324	ng/ul	94
45) 2-Nitroaniline	13.547	65	4671	3.784	ng/ul	93
47) Dimethylphthalate	13.923	163	23815	4.532	ng/ul#	96
48) 2,6-Dinitrotoluene	14.046	165	3808	3.788	ng/ul#	83
50) Acenaphthylene	14.187	152	26867	4.571	ng/ul	95
51) 3-Nitroaniline	14.369	138	3510	4.093	ng/ul#	74
52) Acenaphthene	14.534	153	18004	4.510	ng/ul#	91
53) 2,4-Dinitrophenol	14.581	184	3809	5.625	ng/ul#	73
55) 4-Nitrophenol	14.681	109	6553	5.581	ng/ul#	85
56) Dibenzofuran	14.869	168	26105	4.416	ng/ul	98
57) 2,4-Dinitrotoluene	14.833	165	7828	4.829	ng/ul#	79
58) 2,3,4,6-Tetrachlorophenol	15.092	232	5983	4.127	ng/ul#	91
59) Diethylphthalate	15.292	149	24732	4.298	ng/ul#	97
61) Fluorene	15.515	166	23118	4.611	ng/ul#	82
62) 4-Chlorophenyl-phenyle...	15.509	204	12777	4.834	ng/ul	95
63) 4-Nitroaniline	15.527	138	4097	4.651	ng/ul#	86
66) 4,6-Dinitro-2-methylph...	15.591	198	5157	4.175	ng/ul#	85
67) N-Nitrosodiphenylamine	15.726	169	20320	4.369	ng/ul	95
68) 4-Bromophenyl-phenylether	16.402	248	8626	4.314	ng/ul	90
69) Hexachlorobenzene	16.520	284	9808	4.352	ng/ul	96
70) Atrazine	16.672	200	11722	5.111	ng/ul	95
71) Pentachlorophenol	16.866	266	6525m	4.517	ng/ul	
72) Phenanthrene	17.248	178	41483	4.479	ng/ul	96
74) Anthracene	17.342	178	40060	4.249	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.270	216	8867	3.840	ng/ul	93
76) Pentachlorobenzene	14.792	250	9584	3.794	ng/ul#	86
77) Carbazole	17.612	167	33991	4.152	ng/ul	96
78) Di-n-butylphthalate	18.176	149	43568	4.287	ng/ul	98
80) Fluoranthene	19.263	202	52357	4.074	ng/ul	99
82) Pyrene	19.622	202	56770	4.288	ng/ul	99
83) Butylbenzylphthalate	20.521	149	20710	4.001	ng/ul#	92
84) 3,3'-Dichlorobenzidine	21.337	252	18695	4.412	ng/ul#	91
85) Benzo(a)anthracene	21.420	228	58099	4.295	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.343	149	32540	4.382	ng/ul#	98
87) Chrysene	21.478	228	55532	4.362	ng/ul	98
89) Di-n-octyl phthalate	22.477	149	54480	4.425	ng/ul	100
90) Benzo(b)fluoranthene	23.488	252	53870	4.141	ng/ul#	98
91) Benzo(k)fluoranthene	23.552	252	54647	4.222	ng/ul	93
93) Benzo(a)pyrene	24.287	252	51656	4.275	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	27.795	276	66591m	4.263	ng/ul	
95) Dibenzo(a,h)anthracene	27.853	278	55836m	4.436	ng/ul	
96) Benzo(g,h,i)perylene	28.846	276	54819m	4.299	ng/ul	

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

