

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064374.D
 Acq On : 15 Sep 2025 14:18
 Operator : RC/JU
 Sample : Q2117-02
 Misc : MDL-ME-WATER-Q2
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Sep 15 15:38:15 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 09/16/2025
 Supervised By :Jagrut Upadhyay 09/16/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.847	152	21853	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	96179	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	75457	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	200998	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	225014	20.000	ng/u1	0.00
88) Perylene-d12	24.433	264	237268	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	1837	4.416	ng/uL	0.00
4) Pyridine-d5	3.716	84	17396	14.333	ng/u1	0.00
7) Phenol-d5	7.013	99	23996	13.434	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.177	67	13504	14.487	ng/u1	0.00
11) 2-Chlorophenol-d4	7.377	132	21599	15.119	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	21364	13.146	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	10528	13.950	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	13663	14.842	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.256	165	24492	14.308	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	31990	13.824	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	101772	15.134	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	98313	15.131	ng/u1	0.00
54) 4-Nitrophenol-d4	14.662	143	14464	13.727	ng/u1	0.00
60) Fluorene-d10	15.462	176	83104	15.231	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.573	200	18906	13.187	ng/u1	0.00
73) Anthracene-d10	17.306	188	143858	14.348	ng/u1	0.00
81) Pyrene-d10	19.592	212	181417	14.314	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.228	264	191666	15.673	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	622	1.337	ng/uL	90
5) Pyridine	3.734	79	5209	4.070	ng/u1#	79
6) Benzaldehyde	6.983	77	4674	5.627	ng/u1#	78
8) Phenol	7.030	94	7047	3.852	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.265	93	5394	4.269	ng/u1	92
12) 2-Chlorophenol	7.412	128	6267	4.220	ng/u1#	94
13) 2-Methylphenol	8.288	108	5441	3.584	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.364	45	9336m	3.969	ng/u1	
16) Acetophenone	8.658	105	10479	4.056	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.640	70	4904	4.035	ng/u1	97
18) 4-Methylphenol	8.611	108	6530	4.000	ng/u1#	62
19) Hexachloroethane	8.928	117	2731	4.171	ng/u1#	85
22) Nitrobenzene	9.040	77	7504	4.003	ng/u1#	80
23) Isophorone	9.557	82	14037	3.894	ng/u1#	94
25) 2-Nitrophenol	9.745	139	3420	3.875	ng/u1#	86
26) 2,4-Dimethylphenol	9.803	107	6010	3.071	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.044	93	7395	4.052	ng/u1#	88
29) 2,4-Dichlorophenol	10.285	162	6097	3.904	ng/u1	90
30) Naphthalene	10.679	128	22039	4.209	ng/u1	98
32) 4-Chloroaniline	10.785	127	8731	3.828	ng/u1	92
33) Hexachlorobutadiene	10.973	225	6104	4.350	ng/u1	98
34) Caprolactam	11.543	113	2847	4.495	ng/u1	78
35) 4-Chloro-3-methylphenol	11.919	107	8142	4.214	ng/u1#	93
36) 2-Methylnaphthalene	12.289	142	15730	3.946	ng/u1	98

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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	16934	4.275	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.659	216	10219	4.274	ng/ul	96
40) Hexachlorocyclopentadiene	12.641	237	6760	4.105	ng/ul	98
41) 2,4,6-Trichlorophenol	12.900	196	5838	3.811	ng/ul	92
42) 2,4,5-Trichlorophenol	12.976	196	7154m	4.366	ng/ul	
43) 1,1'-Biphenyl	13.299	154	23730	4.260	ng/ul	99
44) 2-Chloronaphthalene	13.346	162	17079	4.178	ng/ul	93
45) 2-Nitroaniline	13.546	65	5715	3.893	ng/ul	92
47) Dimethylphthalate	13.922	163	25918	4.148	ng/ul#	95
48) 2,6-Dinitrotoluene	14.040	165	5296	4.430	ng/ul	88
50) Acenaphthylene	14.187	152	29364	4.201	ng/ul#	90
51) 3-Nitroaniline	14.369	138	4628	4.538	ng/ul#	86
52) Acenaphthene	14.533	153	20171	4.250	ng/ul#	82
53) 2,4-Dinitrophenol	14.580	184	4756	5.907	ng/ul#	83
55) 4-Nitrophenol	14.680	109	7486	5.362	ng/ul	83
56) Dibenzofuran	14.868	168	31003	4.410	ng/ul	91
57) 2,4-Dinitrotoluene	14.827	165	8375	4.345	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.091	232	6919	4.014	ng/ul#	85
59) Diethylphthalate	15.291	149	30259	4.423	ng/ul	93
61) Fluorene	15.514	166	26304	4.413	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.509	204	13924	4.430	ng/ul	93
63) 4-Nitroaniline	15.526	138	4237	4.045	ng/ul#	89
66) 4,6-Dinitro-2-methylph...	15.591	198	5712	3.920	ng/ul#	94
67) N-Nitrosodiphenylamine	15.720	169	22420	4.087	ng/ul	91
68) 4-Bromophenyl-phenylether	16.402	248	9948	4.218	ng/ul#	74
69) Hexachlorobenzene	16.519	284	11827	4.449	ng/ul#	90
70) Atrazine	16.672	200	12630	4.669	ng/ul	93
71) Pentachlorophenol	16.866	266	7601	4.461	ng/ul	88
72) Phenanthrene	17.248	178	46573	4.263	ng/ul	98
74) Anthracene	17.342	178	45420m	4.085	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.264	216	10402	3.819	ng/ul	95
76) Pentachlorobenzene	14.786	250	11878	3.987	ng/ul	94
77) Carbazole	17.606	167	40223	4.166	ng/ul	96
78) Di-n-butylphthalate	18.176	149	49786	4.153	ng/ul	97
80) Fluoranthene	19.257	202	59280	4.135	ng/ul#	98
82) Pyrene	19.621	202	61978	4.198	ng/ul#	95
83) Butylbenzylphthalate	20.520	149	23326	4.041	ng/ul#	94
84) 3,3'-Dichlorobenzidine	21.343	252	21061	4.457	ng/ul	91
85) Benzo(a)anthracene	21.419	228	66739	4.423	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.343	149	33773	4.078	ng/ul#	90
87) Chrysene	21.478	228	62536	4.404	ng/ul	98
89) Di-n-octyl phthalate	22.477	149	57404	4.250	ng/ul	100
90) Benzo(b)fluoranthene	23.487	252	62329	4.368	ng/ul#	99
91) Benzo(k)fluoranthene	23.546	252	63746m	4.490	ng/ul	
93) Benzo(a)pyrene	24.292	252	57574	4.343	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	27.800	276	71142	4.151	ng/ul	96
95) Dibenzo(a,h)anthracene	27.859	278	61397	4.446	ng/ul	98
96) Benzo(g,h,i)perylene	28.846	276	59445	4.249	ng/ul#	88

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

