

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091525\
 Data File : BG064371.D
 Acq On : 15 Sep 2025 12:06
 Operator : RC/JU
 Sample : Q2899-02
 Misc : MDL-WATER-Q3
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 15 12:55:23 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	22333	20.000	ng/u1	0.00
20) Naphthalene-d8	10.632	136	95875	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.469	164	73893	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	191665	20.000	ng/u1	0.00
79) Chrysene-d12	21.437	240	214348	20.000	ng/u1	0.00
88) Perylene-d12	24.433	264	226134	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.317	96	1887	4.439	ng/uL	0.00
4) Pyridine-d5	3.716	84	18494	14.910	ng/u1	0.00
7) Phenol-d5	7.013	99	24786	13.578	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.171	67	14028	14.726	ng/u1	0.00
11) 2-Chlorophenol-d4	7.383	132	22103	15.139	ng/u1	0.00
15) 4-Methylphenol-d8	8.552	113	21485	12.936	ng/u1	0.00
21) Nitrobenzene-d5	8.998	128	11384	15.132	ng/u1	0.00
24) 2-Nitrophenol-d4	9.715	143	14061	15.323	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.256	165	23737	13.911	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	31503	13.657	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	102764	15.605	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	96309	15.136	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	12785	12.390	ng/u1	0.00
60) Fluorene-d10	15.461	176	82318	15.406	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.579	200	17781	13.006	ng/u1	0.00
73) Anthracene-d10	17.306	188	142141	14.867	ng/u1	0.00
81) Pyrene-d10	19.592	212	174599	14.461	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.228	264	183710	15.763	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	736	1.548	ng/uL#	83
5) Pyridine	3.740	79	5666	4.332	ng/u1#	77
6) Benzaldehyde	6.989	77	4766	5.614	ng/u1#	84
8) Phenol	7.036	94	7206	3.854	ng/u1#	85
10) Bis(2-Chloroethyl)ether	7.265	93	5655	4.380	ng/u1	94
12) 2-Chlorophenol	7.412	128	6098	4.018	ng/u1	97
13) 2-Methylphenol	8.288	108	6136	3.955	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.376	45	9950	4.139	ng/u1#	93
16) Acetophenone	8.658	105	10836	4.104	ng/u1	87
17) N-Nitroso-di-n-propyla...	8.640	70	5352	4.309	ng/u1#	82
18) 4-Methylphenol	8.617	108	6495	3.893	ng/u1	88
19) Hexachloroethane	8.916	117	2235	3.340	ng/u1#	79
22) Nitrobenzene	9.034	77	7839	4.195	ng/u1#	83
23) Isophorone	9.557	82	14571	4.055	ng/u1	96
25) 2-Nitrophenol	9.745	139	3719	4.227	ng/u1#	91
26) 2,4-Dimethylphenol	9.809	107	6060	3.107	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.044	93	7717	4.242	ng/u1	94
29) 2,4-Dichlorophenol	10.279	162	6550	4.207	ng/u1#	90
30) Naphthalene	10.679	128	22706	4.350	ng/u1	98
32) 4-Chloroaniline	10.785	127	8594	3.780	ng/u1	96
33) Hexachlorobutadiene	10.973	225	6275	4.486	ng/u1#	87
34) Caprolactam	11.560	113	3060m	4.846	ng/u1	
35) 4-Chloro-3-methylphenol	11.913	107	7907	4.105	ng/u1	93
36) 2-Methylnaphthalene	12.289	142	16555	4.166	ng/u1	89

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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.512	142	16893	4.278	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.659	216	10100	4.313	ng/ul#	92
40) Hexachlorocyclopentadiene	12.647	237	6516	4.040	ng/ul#	84
41) 2,4,6-Trichlorophenol	12.900	196	6152	4.101	ng/ul#	80
42) 2,4,5-Trichlorophenol	12.976	196	6908	4.305	ng/ul	91
43) 1,1'-Biphenyl	13.305	154	24416	4.475	ng/ul#	95
44) 2-Chloronaphthalene	13.346	162	17455	4.360	ng/ul	97
45) 2-Nitroaniline	13.540	65	5691	3.959	ng/ul	90
47) Dimethylphthalate	13.922	163	26282	4.295	ng/ul#	90
48) 2,6-Dinitrotoluene	14.040	165	5017	4.286	ng/ul#	87
50) Acenaphthylene	14.192	152	30483	4.454	ng/ul	97
51) 3-Nitroaniline	14.369	138	3957	3.963	ng/ul	85
52) Acenaphthene	14.533	153	21115	4.543	ng/ul#	93
53) 2,4-Dinitrophenol	14.586	184	4203	5.331	ng/ul#	77
55) 4-Nitrophenol	14.680	109	7560	5.530	ng/ul	89
56) Dibenzofuran	14.868	168	30716	4.462	ng/ul	92
57) 2,4-Dinitrotoluene	14.827	165	8907	4.719	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.091	232	7186	4.257	ng/ul#	99
59) Diethylphthalate	15.285	149	28854	4.307	ng/ul	94
61) Fluorene	15.514	166	26745	4.582	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.514	204	13788	4.480	ng/ul	97
63) 4-Nitroaniline	15.526	138	4655	4.538	ng/ul#	78
66) 4,6-Dinitro-2-methylph...	15.585	198	5051	3.635	ng/ul#	80
67) N-Nitrosodiphenylamine	15.720	169	23012	4.399	ng/ul	97
68) 4-Bromophenyl-phenylether	16.402	248	8630	3.838	ng/ul	95
69) Hexachlorobenzene	16.513	284	11555	4.559	ng/ul	98
70) Atrazine	16.672	200	12499	4.845	ng/ul	92
71) Pentachlorophenol	16.866	266	6799	4.184	ng/ul#	81
72) Phenanthrene	17.248	178	45404	4.359	ng/ul	97
74) Anthracene	17.342	178	44918m	4.236	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.270	216	10929	4.208	ng/ul#	89
76) Pentachlorobenzene	14.786	250	13068	4.600	ng/ul	92
77) Carbazole	17.606	167	37745	4.099	ng/ul	97
78) Di-n-butylphthalate	18.176	149	46799	4.094	ng/ul	100
80) Fluoranthene	19.263	202	55052	4.032	ng/ul#	97
82) Pyrene	19.621	202	57950	4.120	ng/ul	99
83) Butylbenzylphthalate	20.520	149	21756	3.956	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.343	252	20622	4.581	ng/ul#	90
85) Benzo(a)anthracene	21.413	228	61196	4.258	ng/ul	92
86) Bis(2-ethylhexyl)phtha...	21.343	149	32783	4.155	ng/ul#	92
87) Chrysene	21.478	228	58283	4.309	ng/ul	98
89) Di-n-octyl phthalate	22.477	149	54915	4.266	ng/ul	100
90) Benzo(b)fluoranthene	23.481	252	58953	4.335	ng/ul#	98
91) Benzo(k)fluoranthene	23.546	252	57834	4.274	ng/ul	96
93) Benzo(a)pyrene	24.292	252	53206	4.211	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.800	276	72456m	4.436	ng/ul	
95) Dibenzo(a,h)anthracene	27.859	278	58845	4.471	ng/ul	96
96) Benzo(g,h,i)perylene	28.858	276	58892m	4.417	ng/ul	

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

