

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090925\
 Data File : BP025694.D
 Acq On : 09 Sep 2025 12:15
 Operator : CG/JU
 Sample : Q2899-01
 Misc : MDL-WATER 4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 09 12:55:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP090825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 09 09:26:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/10/2025
 Supervised By :Jagrut Upadhyay 09/10/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.761	152	143401	20.000	ng/u1	0.00
20) Naphthalene-d8	10.531	136	598131	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.378	164	407243	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.184	188	870089	20.000	ng/u1	0.00
79) Chrysene-d12	21.625	240	981803	20.000	ng/u1	0.00
88) Perylene-d12	25.001	264	1073757	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.279	96	15061	4.298	ng/uL	0.00
4) Pyridine-d5	3.696	84	172258	16.960	ng/u1	0.00
7) Phenol-d5	6.949	99	175697	15.168	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.102	67	117484	16.588	ng/u1	0.00
11) 2-Chlorophenol-d4	7.308	132	150850	16.719	ng/u1	0.00
15) 4-Methylphenol-d8	8.466	113	144221	15.037	ng/u1	0.00
21) Nitrobenzene-d5	8.908	128	72297	15.713	ng/u1	0.00
24) 2-Nitrophenol-d4	9.625	143	84832	16.221	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.172	165	144909	15.375	ng/u1	0.01
31) 4-Chloroaniline-d4	10.672	131	204295	15.471	ng/u1	0.01
46) Dimethylphthalate-d6	13.778	166	523614	17.007	ng/u1	0.00
49) Acenaphthylene-d8	14.072	160	570961	16.889	ng/u1	0.00
54) 4-Nitrophenol-d4	14.625	143	60561	11.859	ng/u1	0.02
60) Fluorene-d10	15.390	176	433823	16.921	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.513	200	83613	14.114	ng/u1	0.00
73) Anthracene-d10	17.284	188	704730	16.830	ng/u1	0.00
81) Pyrene-d10	19.648	212	885890	16.487	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.748	264	919477	16.680	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	6543	1.766	ng/uL#	87
5) Pyridine	3.714	79	50012	4.727	ng/u1#	84
6) Benzaldehyde	6.919	77	33661	6.309	ng/u1	94
8) Phenol	6.984	94	52425	4.407	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.190	93	44061	4.693	ng/u1	96
12) 2-Chlorophenol	7.337	128	43567	4.730	ng/u1	99
13) 2-Methylphenol	8.208	108	39297	4.308	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.278	45	72786	4.890	ng/u1	99
16) Acetophenone	8.578	105	67810	4.570	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.561	70	36463	4.628	ng/u1	98
18) 4-Methylphenol	8.531	108	41817	4.230	ng/u1	93
19) Hexachloroethane	8.831	117	19764	4.787	ng/u1	97
22) Nitrobenzene	8.949	77	51023	4.581	ng/u1	96
23) Isophorone	9.472	82	102529	4.497	ng/u1	98
25) 2-Nitrophenol	9.649	139	24737	4.547	ng/u1	98
26) 2,4-Dimethylphenol	9.719	107	44889	4.025	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.943	93	61900	4.730	ng/u1	98
29) 2,4-Dichlorophenol	10.196	162	37660	4.109	ng/u1	95
30) Naphthalene	10.578	128	150045	4.797	ng/u1	99
32) 4-Chloroaniline	10.690	127	56306	4.278	ng/u1	96
33) Hexachlorobutadiene	10.860	225	32528	4.769	ng/u1	92
34) Caprolactam	11.490	113	17165	4.573	ng/u1	93
35) 4-Chloro-3-methylphenol	11.831	107	47516	4.408	ng/u1	99
36) 2-Methylnaphthalene	12.190	142	110252	4.936	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.407	142	108954	4.979	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.560	216	59545	4.917	ng/ul	99
40) Hexachlorocyclopentadiene	12.537	237	19336	3.141	ng/ul	97
41) 2,4,6-Trichlorophenol	12.807	196	36451	4.601	ng/ul	98
42) 2,4,5-Trichlorophenol	12.902	196	33877	3.902	ng/ul	95
43) 1,1'-Biphenyl	13.207	154	136557	4.783	ng/ul	99
44) 2-Chloronaphthalene	13.249	162	106105	4.721	ng/ul	98
45) 2-Nitroaniline	13.460	65	28575	4.007	ng/ul	94
47) Dimethylphthalate	13.825	163	148817	4.928	ng/ul	100
48) 2,6-Dinitrotoluene	13.954	165	25637	4.190	ng/ul	99
50) Acenaphthylene	14.096	152	180762	4.776	ng/ul	99
51) 3-Nitroaniline	14.301	138	21452	3.944	ng/ul	96
52) Acenaphthene	14.443	153	118922	4.890	ng/ul	98
53) 2,4-Dinitrophenol	14.513	184	13374	3.557	ng/ul	90
55) 4-Nitrophenol	14.637	109	19883m	4.782	ng/ul	
56) Dibenzofuran	14.784	168	169319	4.869	ng/ul	98
57) 2,4-Dinitrotoluene	14.754	165	39868	4.351	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.031	232	34785	4.569	ng/ul#	97
59) Diethylphthalate	15.207	149	147746	4.758	ng/ul	99
61) Fluorene	15.443	166	140300	4.939	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.443	204	70121	4.822	ng/ul	97
63) 4-Nitroaniline	15.478	138	24879m	4.639	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.531	198	25484	4.247	ng/ul	99
67) N-Nitrosodiphenylamine	15.660	169	116169	4.617	ng/ul	97
68) 4-Bromophenyl-phenylether	16.348	248	43945	4.738	ng/ul	99
69) Hexachlorobenzene	16.478	284	50778	4.775	ng/ul	97
70) Atrazine	16.631	200	58021	5.620	ng/ul	95
71) Pentachlorophenol	16.848	266	31609	4.647	ng/ul	97
72) Phenanthrene	17.231	178	230280	4.824	ng/ul	99
74) Anthracene	17.319	178	228498	4.721	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.166	216	58698	4.577	ng/uL	93
76) Pentachlorobenzene	14.707	250	60229	4.812	ng/uL	97
77) Carbazole	17.613	167	191488	4.401	ng/ul	99
78) Di-n-butylphthalate	18.189	149	257344	4.602	ng/ul	100
80) Fluoranthene	19.307	202	283745	4.639	ng/ul	99
82) Pyrene	19.678	202	306810	4.798	ng/ul	99
83) Butylbenzylphthalate	20.631	149	127736	4.484	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.536	252	93131	4.425	ng/ul	95
85) Benzo(a)anthracene	21.607	228	307104	4.696	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.536	149	197653	4.722	ng/ul	98
87) Chrysene	21.672	228	292414	4.751	ng/ul	99
89) Di-n-octyl phthalate	22.813	149	335563	4.631	ng/ul	100
90) Benzo(b)fluoranthene	23.913	252	300577	4.782	ng/ul	99
91) Benzo(k)fluoranthene	23.989	252	298842	4.687	ng/ul	97
93) Benzo(a)pyrene	24.819	252	284885	4.716	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.795	276	349806m	4.630	ng/ul	
95) Dibenzo(a,h)anthracene	28.877	278	287035m	4.688	ng/ul	
96) Benzo(g,h,i)perylene	30.006	276	282218	4.607	ng/ul	97

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

