

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091025\
 Data File : BP025706.D
 Acq On : 10 Sep 2025 11:15
 Operator : CG/JU
 Sample : Q2899-02
 Misc : MDL-WATER 4 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 10 12:23:45 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 09/11/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.766	152	132484	20.000	ng/u1	0.00
20) Naphthalene-d8	10.531	136	543914	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.390	164	367267	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.184	188	774903	20.000	ng/u1	0.00
79) Chrysene-d12	21.625	240	918182	20.000	ng/u1	0.00
88) Perylene-d12	24.983	264	998381	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	12721	3.929	ng/uL	0.00
4) Pyridine-d5	3.696	84	129845	13.837	ng/u1	0.00
7) Phenol-d5	6.955	99	146362	13.677	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.102	67	98923	15.118	ng/u1	0.00
11) 2-Chlorophenol-d4	7.308	132	124316	14.914	ng/u1	0.00
15) 4-Methylphenol-d8	8.472	113	117135	13.220	ng/u1	0.00
21) Nitrobenzene-d5	8.908	128	60631	14.491	ng/u1	0.00
24) 2-Nitrophenol-d4	9.625	143	64829	13.631	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.178	165	115014	13.420	ng/u1	0.02
31) 4-Chloroaniline-d4	10.672	131	162281	13.514	ng/u1	0.01
46) Dimethylphthalate-d6	13.790	166	424580	15.292	ng/u1	0.00
49) Acenaphthylene-d8	14.078	160	467011	15.318	ng/u1	0.00
54) 4-Nitrophenol-d4	14.631	143	70152m	15.232	ng/u1	0.03
60) Fluorene-d10	15.390	176	356960	15.438	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.525	200	63041	11.949	ng/u1	0.00
73) Anthracene-d10	17.284	188	577826	15.494	ng/u1	0.00
81) Pyrene-d10	19.654	212	730293	14.533	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.760	264	795067	15.512	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	5336	1.559	ng/uL#	84
5) Pyridine	3.714	79	39230	4.014	ng/u1#	80
6) Benzaldehyde	6.919	77	27387	5.556	ng/u1	94
8) Phenol	6.984	94	42988	3.911	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.190	93	36030	4.154	ng/u1	98
12) 2-Chlorophenol	7.343	128	36227	4.257	ng/u1	96
13) 2-Methylphenol	8.213	108	31312	3.716	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.278	45	61625	4.481	ng/u1	97
16) Acetophenone	8.578	105	54806	3.998	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.555	70	29984	4.119	ng/u1	97
18) 4-Methylphenol	8.537	108	34198	3.744	ng/u1	95
19) Hexachloroethane	8.831	117	16323	4.279	ng/u1	95
22) Nitrobenzene	8.949	77	41967	4.144	ng/u1	97
23) Isophorone	9.478	82	79937	3.856	ng/u1	99
25) 2-Nitrophenol	9.655	139	18416	3.722	ng/u1	93
26) 2,4-Dimethylphenol	9.725	107	34133	3.366	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.943	93	48001	4.033	ng/u1	96
29) 2,4-Dichlorophenol	10.207	162	32878	3.945	ng/u1	91
30) Naphthalene	10.584	128	127160	4.471	ng/u1	97
32) 4-Chloroaniline	10.696	127	45846	3.831	ng/u1	100
33) Hexachlorobutadiene	10.872	225	27785	4.480	ng/u1	97
34) Caprolactam	11.496	113	13528m	3.963	ng/u1	
35) 4-Chloro-3-methylphenol	11.849	107	37525m	3.828	ng/u1	
36) 2-Methylnaphthalene	12.196	142	84068	4.139	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.413	142	83717	4.207	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.566	216	44971	4.117	ng/ul	97
40) Hexachlorocyclopentadiene	12.537	237	21596	3.890	ng/ul	99
41) 2,4,6-Trichlorophenol	12.813	196	27043	3.785	ng/ul	97
42) 2,4,5-Trichlorophenol	12.907	196	29309	3.743	ng/ul	98
43) 1,1'-Biphenyl	13.207	154	109455	4.251	ng/ul	98
44) 2-Chloronaphthalene	13.248	162	87328	4.309	ng/ul	97
45) 2-Nitroaniline	13.460	65	22492	3.497	ng/ul	85
47) Dimethylphthalate	13.831	163	120154	4.412	ng/ul	98
48) 2,6-Dinitrotoluene	13.960	165	19647	3.561	ng/ul	97
50) Acenaphthylene	14.101	152	151894	4.450	ng/ul	99
51) 3-Nitroaniline	14.307	138	18604m	3.793	ng/ul	
52) Acenaphthene	14.443	153	97256	4.434	ng/ul	98
53) 2,4-Dinitrophenol	14.519	184	14375	4.240	ng/ul	93
55) 4-Nitrophenol	14.643	109	19103m	5.095	ng/ul	
56) Dibenzofuran	14.784	168	136756	4.361	ng/ul	98
57) 2,4-Dinitrotoluene	14.760	165	30945	3.745	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.031	232	28645	4.172	ng/ul	97
59) Diethylphthalate	15.213	149	119706	4.275	ng/ul	99
61) Fluorene	15.448	166	117667	4.594	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.442	204	58114	4.431	ng/ul	98
63) 4-Nitroaniline	15.490	138	20329m	4.203	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.537	198	19879	3.720	ng/ul#	96
67) N-Nitrosodiphenylamine	15.666	169	99092	4.422	ng/ul	98
68) 4-Bromophenyl-phenylether	16.354	248	35240	4.266	ng/ul	96
69) Hexachlorobenzene	16.478	284	39449	4.166	ng/ul	96
70) Atrazine	16.637	200	45085	4.903	ng/ul	99
71) Pentachlorophenol	16.848	266	24625	4.065	ng/ul	93
72) Phenanthrene	17.225	178	192031	4.517	ng/ul	99
74) Anthracene	17.319	178	189468	4.395	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.172	216	48919	4.283	ng/uL	97
76) Pentachlorobenzene	14.713	250	48394	4.341	ng/uL	96
77) Carbazole	17.619	167	157456	4.063	ng/ul	98
78) Di-n-butylphthalate	18.195	149	202566	4.067	ng/ul	99
80) Fluoranthene	19.307	202	229276	4.008	ng/ul	97
82) Pyrene	19.683	202	253449	4.238	ng/ul	99
83) Butylbenzylphthalate	20.636	149	100039	3.755	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.542	252	72034	3.660	ng/ul	95
85) Benzo(a)anthracene	21.601	228	260245	4.255	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.536	149	148138	3.784	ng/ul	97
87) Chrysene	21.672	228	266141	4.624	ng/ul	99
89) Di-n-octyl phthalate	22.819	149	259878	3.858	ng/ul	100
90) Benzo(b)fluoranthene	23.930	252	254769	4.359	ng/ul	99
91) Benzo(k)fluoranthene	23.995	252	257166	4.338	ng/ul	98
93) Benzo(a)pyrene	24.824	252	241405	4.298	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.812	276	299717m	4.266	ng/ul	
95) Dibenzo(a,h)anthracene	28.901	278	249020m	4.374	ng/ul	
96) Benzo(g,h,i)perylene	29.995	276	251116m	4.409	ng/ul	

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

