

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070125\
 Data File : BP025054.D
 Acq On : 01 Jul 2025 13:27
 Operator : RC/JU
 Sample : Q2117-01
 Misc : MDL-WATER-4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Quant Time: Jul 01 15:23:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP063025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 11:17:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	432298	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.184	136	1780311	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.089	164	1189542	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.913	188	2438756	20.000	ng/u1	0.00
79) Chrysene-d12	21.354	240	2657344	20.000	ng/u1	0.01
88) Perylene-d12	24.512	264	2836314	20.000	ng/u1	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	40030	4.145	ng/uL	0.00
4) Pyridine-d5	3.461	84	424460	15.523	ng/u1	-0.01
7) Phenol-d5	6.607	99	517547	15.551	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	6.778	67	321877	16.802	ng/u1	-0.02
11) 2-Chlorophenol-d4	6.966	132	445834	16.556	ng/u1	-0.02
15) 4-Methylphenol-d8	8.119	113	416441	15.449	ng/u1	-0.02
21) Nitrobenzene-d5	8.549	128	199060	16.656	ng/u1	-0.02
24) 2-Nitrophenol-d4	9.272	143	165218	15.859	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	9.807	165	415281	15.688	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.307	131	645397	15.832	ng/u1	-0.01
46) Dimethylphthalate-d6	13.507	166	1450083	16.970	ng/u1	0.00
49) Acenaphthylene-d8	13.772	160	1674234	16.731	ng/u1	0.00
54) 4-Nitrophenol-d4	14.289	143	228957	14.185	ng/u1	0.00
60) Fluorene-d10	15.113	176	1246943	16.997	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.242	200	125443	11.838	ng/u1	0.00
73) Anthracene-d10	17.019	188	1934142	16.497	ng/u1	0.00
81) Pyrene-d10	19.407	212	2255859	16.552	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.289	264	2367231	16.595	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.119	88	16450	1.577	ng/uL	98
5) Pyridine	3.478	79	128926	4.551	ng/u1#	82
6) Benzaldehyde	6.578	77	98583	6.113	ng/u1	97
8) Phenol	6.631	94	155540	4.552	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.866	93	125459	4.767	ng/u1	99
12) 2-Chlorophenol	6.996	128	131938	4.788	ng/u1	98
13) 2-Methylphenol	7.860	108	109146	4.195	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	7.949	45	172967	4.751	ng/u1	99
16) Acetophenone	8.225	105	202639	4.798	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.219	70	94080	4.875	ng/u1	98
18) 4-Methylphenol	8.178	108	123343	4.385	ng/u1	99
19) Hexachloroethane	8.490	117	49749	4.734	ng/u1	95
22) Nitrobenzene	8.590	77	132180	4.775	ng/u1	98
23) Isophorone	9.125	82	254970	4.464	ng/u1	99
25) 2-Nitrophenol	9.301	139	56169	4.607	ng/u1	99
26) 2,4-Dimethylphenol	9.372	107	123075	4.191	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.607	93	163433	4.625	ng/u1	99
29) 2,4-Dichlorophenol	9.831	162	120220	4.546	ng/u1	94
30) Naphthalene	10.231	128	446069	4.775	ng/u1	98
32) 4-Chloroaniline	10.331	127	183642	4.589	ng/u1	99
33) Hexachlorobutadiene	10.537	225	83191	4.718	ng/u1	98
34) Caprolactam	11.084	113	50124	5.347	ng/u1	94
35) 4-Chloro-3-methylphenol	11.466	107	113566	4.306	ng/u1	97
36) 2-Methylnaphthalene	11.854	142	317761	4.773	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.084	142	309535	4.732	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.231	216	159860	4.552	ng/ul	97
40) Hexachlorocyclopentadiene	12.225	237	87078	5.068	ng/ul	100
41) 2,4,6-Trichlorophenol	12.478	196	85002	4.094	ng/ul	95
42) 2,4,5-Trichlorophenol	12.542	196	95665	4.142	ng/ul	100
43) 1,1'-Biphenyl	12.901	154	410570	4.660	ng/ul	100
44) 2-Chloronaphthalene	12.931	162	320818	4.683	ng/ul	99
45) 2-Nitroaniline	13.137	65	48185	3.721	ng/ul	98
47) Dimethylphthalate	13.554	163	411297	4.877	ng/ul	100
48) 2,6-Dinitrotoluene	13.654	165	49136	3.721	ng/ul	97
50) Acenaphthylene	13.801	152	544396	4.799	ng/ul	100
51) 3-Nitroaniline	13.984	138	56861	3.681	ng/ul#	92
52) Acenaphthene	14.154	153	346878	4.734	ng/ul	98
53) 2,4-Dinitrophenol	14.201	184	38855	5.898	ng/ul	96
55) 4-Nitrophenol	14.301	109	65636	5.735	ng/ul	93
56) Dibenzofuran	14.507	168	505202	4.866	ng/ul	100
57) 2,4-Dinitrotoluene	14.460	165	77011	3.951	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	14.731	232	78683	4.215	ng/ul	97
59) Diethylphthalate	14.966	149	385361	4.678	ng/ul	100
61) Fluorene	15.172	166	410246	4.887	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.184	204	200680	4.843	ng/ul	98
63) 4-Nitroaniline	15.178	138	65528	4.303	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.254	198	39532	3.427	ng/ul#	91
67) N-Nitrosodiphenylamine	15.395	169	329729	4.567	ng/ul	99
68) 4-Bromophenyl-phenylether	16.095	248	116185	4.542	ng/ul	98
69) Hexachlorobenzene	16.195	284	151115	4.709	ng/ul	98
70) Atrazine	16.395	200	180266	6.795	ng/ul	99
71) Pentachlorophenol	16.554	266	121954	6.288	ng/ul	98
72) Phenanthrene	16.954	178	644131	4.745	ng/ul	99
74) Anthracene	17.060	178	649227	4.772	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.854	216	165809	4.546	ng/uL	98
76) Pentachlorobenzene	14.413	250	171821	4.657	ng/uL	99
77) Carbazole	17.336	167	565071	4.633	ng/ul	99
78) Di-n-butylphthalate	17.972	149	564886	4.199	ng/ul	99
80) Fluoranthene	19.060	202	706150	4.460	ng/ul	98
82) Pyrene	19.436	202	798723	4.753	ng/ul	97
83) Butylbenzylphthalate	20.442	149	167489	3.432	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.266	252	195126	4.018	ng/ul	100
85) Benzo(a)anthracene	21.336	228	789212	4.618	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.348	149	321104	3.920	ng/ul	98
87) Chrysene	21.395	228	758392	4.761	ng/ul	99
89) Di-n-octyl phthalate	22.571	149	404108	2.876	ng/ul	100
90) Benzo(b)fluoranthene	23.512	252	725734	4.342	ng/ul	100
91) Benzo(k)fluoranthene	23.577	252	734161	4.404	ng/ul	99
93) Benzo(a)pyrene	24.354	252	714397	4.538	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.030	276	836754m	4.192	ng/ul	
95) Dibenzo(a,h)anthracene	28.130	278	666133	4.146	ng/ul	99
96) Benzo(g,h,i)perylene	29.112	276	754290	4.597	ng/ul	99

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

