

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062525\
 Data File : BN037379.D
 Acq On : 25 Jun 2025 10:57
 Operator : RC/JU
 Sample : Q2117-02
 Misc : MDL-WATER-4 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Jun 25 11:54:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	85774	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	272110	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.216	164	189802	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	382186	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	380841	20.000	ng/u1	0.00
88) Perylene-d12	24.045	264	399590	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	7577	4.719	ng/uL	0.00
4) Pyridine-d5	3.469	84	72401	16.878	ng/u1	0.00
7) Phenol-d5	6.740	99	80632	16.303	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.899	67	54334	17.630	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	72337	16.499	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	65519	16.183	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	33164	16.631	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	36683	15.083	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	81650	15.477	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	81219	15.319	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	226006	16.142	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	255468	16.586	ng/u1	0.00
54) 4-Nitrophenol-d4	14.422	143	25173	12.107	ng/u1	0.00
60) Fluorene-d10	15.210	176	200980	15.884	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	33433	12.252	ng/u1	0.00
73) Anthracene-d10	17.063	188	302321	16.008	ng/u1	0.00
81) Pyrene-d10	19.363	212	341322	16.477	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	332442	16.010	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	3010m	1.627	ng/uL	
5) Pyridine	3.487	79	22522	5.076	ng/u1#	77
6) Benzaldehyde	6.710	77	17452	6.184	ng/u1	97
8) Phenol	6.763	94	24173	4.774	ng/u1	98
10) Bis(2-Chloroethyl)ether	6.993	93	20028	4.954	ng/u1	98
12) 2-Chlorophenol	7.122	128	21267	4.834	ng/u1#	91
13) 2-Methylphenol	8.010	108	16359	4.260	ng/u1	92
14) 2,2'-oxybis(1-Chloropr...	8.093	45	17411	5.121	ng/u1	96
16) Acetophenone	8.381	105	31359	4.738	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.369	70	14378	4.573	ng/u1#	97
18) 4-Methylphenol	8.334	108	18389	4.428	ng/u1	97
19) Hexachloroethane	8.628	117	10736	4.659	ng/u1	94
22) Nitrobenzene	8.752	77	26529	4.908	ng/u1	94
23) Isophorone	9.275	82	36591	4.397	ng/u1	96
25) 2-Nitrophenol	9.457	139	10749	4.366	ng/u1#	88
26) 2,4-Dimethylphenol	9.528	107	21031	4.313	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.763	93	23575	4.717	ng/u1#	90
29) 2,4-Dichlorophenol	9.987	162	23071	4.479	ng/u1	98
30) Naphthalene	10.387	128	65821	4.820	ng/u1	98
32) 4-Chloroaniline	10.504	127	22280	4.236	ng/u1	100
33) Hexachlorobutadiene	10.675	225	22863	4.144	ng/u1	91
34) Caprolactam	11.275	113	4707	4.352	ng/u1	90
35) 4-Chloro-3-methylphenol	11.640	107	15900	3.926	ng/u1	97
36) 2-Methylnaphthalene	12.010	142	45766	4.407	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	43736	4.278	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.387	216	34761	4.439	ng/ul	98
40) Hexachlorocyclopentadiene	12.369	237	36093	6.024	ng/ul	100
41) 2,4,6-Trichlorophenol	12.634	196	17902	4.053	ng/ul	93
42) 2,4,5-Trichlorophenol	12.704	196	20555	4.140	ng/ul	98
43) 1,1'-Biphenyl	13.040	154	63326	4.666	ng/ul	98
44) 2-Chloronaphthalene	13.081	162	53649	4.792	ng/ul	93
45) 2-Nitroaniline	13.292	65	8296	3.517	ng/ul	95
47) Dimethylphthalate	13.681	163	62813	4.620	ng/ul	98
48) 2,6-Dinitrotoluene	13.798	165	10124	3.726	ng/ul	93
50) Acenaphthylene	13.934	152	79589	4.826	ng/ul	99
51) 3-Nitroaniline	14.134	138	6899m	3.342	ng/ul	
52) Acenaphthene	14.281	153	52322	4.693	ng/ul	97
53) 2,4-Dinitrophenol	14.334	184	9933	5.248	ng/ul	87
55) 4-Nitrophenol	14.439	109	8992	4.235	ng/ul	84
56) Dibenzofuran	14.616	168	79658	4.618	ng/ul	98
57) 2,4-Dinitrotoluene	14.592	165	14856	3.772	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	14.845	232	15917	3.765	ng/ul#	98
59) Diethylphthalate	15.051	149	52789	4.129	ng/ul	98
61) Fluorene	15.269	166	61700	4.473	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.269	204	35451	4.152	ng/ul	93
63) 4-Nitroaniline	15.298	138	6548m	3.370	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.351	198	10504	3.743	ng/ul#	94
67) N-Nitrosodiphenylamine	15.481	169	49864	4.692	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	20279	4.312	ng/ul	92
69) Hexachlorobenzene	16.269	284	23243	4.394	ng/ul	98
70) Atrazine	16.439	200	29486	6.145	ng/ul	94
71) Pentachlorophenol	16.616	266	21489	6.102	ng/ul	98
72) Phenanthrene	17.004	178	98769	4.753	ng/ul	99
74) Anthracene	17.098	178	98897	4.696	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	12.998	216	32871	4.515	ng/uL	95
76) Pentachlorobenzene	14.539	250	31782	4.730	ng/uL	99
77) Carbazole	17.369	167	73297	4.216	ng/ul	96
78) Di-n-butylphthalate	17.945	149	73774	3.935	ng/ul	99
80) Fluoranthene	19.027	202	105840	4.454	ng/ul	98
82) Pyrene	19.392	202	119780	4.788	ng/ul	98
83) Butylbenzylphthalate	20.316	149	28388	3.805	ng/ul	88
84) 3,3'-Dichlorobenzidine	21.116	252	32573	4.196	ng/ul	99
85) Benzo(a)anthracene	21.174	228	113466	4.411	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.121	149	40855	3.658	ng/ul#	97
87) Chrysene	21.233	228	111091	4.650	ng/ul	98
89) Di-n-octyl phthalate	22.204	149	60490	3.066	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	105951	4.288	ng/ul	98
91) Benzo(k)fluoranthene	23.204	252	108940	4.318	ng/ul	99
93) Benzo(a)pyrene	23.904	252	99594	4.290	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.215	276	130065	4.182	ng/ul	99
95) Dibenzo(a,h)anthracene	27.262	278	106920	4.200	ng/ul	99
96) Benzo(g,h,i)perylene	28.198	276	108850	4.254	ng/ul	99

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

