

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062425\
 Data File : BN037369.D
 Acq On : 24 Jun 2025 12:11
 Operator : RC/JU
 Sample : Q2117-01
 Misc : MDL-WATER-4 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 24 13:09:54 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

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	95222	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	310213	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.216	164	221435	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	432080	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.198	240	403646	20.000	ng/u1	# 0.00
88) Perylene-d12	24.045	264	425031	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	8635	4.844	ng/uL	0.00
4) Pyridine-d5	3.469	84	81059	17.021	ng/u1	0.00
7) Phenol-d5	6.734	99	91732	16.708	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	62957	18.402	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	82901	17.033	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	73811	16.422	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	36338	15.985	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	41283	14.889	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	94443	15.703	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	93767	15.513	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	263595	16.137	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	294586	16.394	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	28932	11.927	ng/u1	0.00
60) Fluorene-d10	15.216	176	235414	15.947	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	38059	12.337	ng/u1	0.00
73) Anthracene-d10	17.063	188	353398	16.551	ng/u1	0.00
81) Pyrene-d10	19.369	212	380066	17.311	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.851	264	342306	15.498	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.093	88	3032m	1.476	ng/uL	
5) Pyridine	3.487	79	25370	5.151	ng/u1#	82
6) Benzaldehyde	6.710	77	19990	6.381	ng/u1	97
8) Phenol	6.763	94	27896	4.962	ng/u1#	88
10) Bis(2-Chloroethyl)ether	6.993	93	22617	5.040	ng/u1	99
12) 2-Chlorophenol	7.122	128	23758	4.865	ng/u1	96
13) 2-Methylphenol	8.005	108	18954	4.446	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.093	45	20488	5.428	ng/u1	97
16) Acetophenone	8.381	105	35530	4.836	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.369	70	16485	4.723	ng/u1#	92
18) 4-Methylphenol	8.334	108	20705	4.491	ng/u1	93
19) Hexachloroethane	8.628	117	11773	4.602	ng/u1	96
22) Nitrobenzene	8.752	77	30151	4.892	ng/u1	95
23) Isophorone	9.281	82	43212	4.555	ng/u1	98
25) 2-Nitrophenol	9.463	139	12636	4.502	ng/u1	92
26) 2,4-Dimethylphenol	9.528	107	24130	4.341	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.769	93	27485	4.824	ng/u1	96
29) 2,4-Dichlorophenol	9.993	162	26093	4.443	ng/u1	95
30) Naphthalene	10.387	128	72627	4.665	ng/u1	96
32) 4-Chloroaniline	10.504	127	26088	4.351	ng/u1	95
33) Hexachlorobutadiene	10.675	225	25497	4.054	ng/u1	94
34) Caprolactam	11.275	113	4225m	3.427	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	18658	4.041	ng/u1	92
36) 2-Methylnaphthalene	12.010	142	51931	4.386	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	50868	4.364	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.387	216	40035	4.382	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	40627	5.813	ng/ul	95
41) 2,4,6-Trichlorophenol	12.634	196	20536	3.985	ng/ul	96
42) 2,4,5-Trichlorophenol	12.704	196	23245	4.013	ng/ul	96
43) 1,1'-Biphenyl	13.045	154	73607	4.649	ng/ul	99
44) 2-Chloronaphthalene	13.081	162	61987	4.746	ng/ul	95
45) 2-Nitroaniline	13.292	65	9519	3.459	ng/ul	94
47) Dimethylphthalate	13.681	163	73746	4.649	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	11219	3.539	ng/ul#	86
50) Acenaphthylene	13.934	152	89861	4.670	ng/ul	100
51) 3-Nitroaniline	14.128	138	7677	3.187	ng/ul	97
52) Acenaphthene	14.281	153	59163	4.548	ng/ul	92
53) 2,4-Dinitrophenol	14.339	184	11940	5.407	ng/ul#	82
55) 4-Nitrophenol	14.439	109	9901m	3.997	ng/ul	
56) Dibenzofuran	14.616	168	93679	4.655	ng/ul	98
57) 2,4-Dinitrotoluene	14.592	165	17347	3.776	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.851	232	18225	3.695	ng/ul#	96
59) Diethylphthalate	15.057	149	62915	4.218	ng/ul	98
61) Fluorene	15.269	166	72922	4.531	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.269	204	39448	3.960	ng/ul	96
63) 4-Nitroaniline	15.292	138	7884m	3.478	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.357	198	12165	3.835	ng/ul#	97
67) N-Nitrosodiphenylamine	15.486	169	56860	4.732	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	21977	4.134	ng/ul	92
69) Hexachlorobenzene	16.275	284	26550	4.439	ng/ul	96
70) Atrazine	16.445	200	34738	6.403	ng/ul	99
71) Pentachlorophenol	16.622	266	24170	6.070	ng/ul	95
72) Phenanthrene	17.010	178	112909	4.806	ng/ul	98
74) Anthracene	17.098	178	113459	4.765	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.004	216	38122	4.632	ng/uL	97
76) Pentachlorobenzene	14.539	250	34737	4.573	ng/uL	91
77) Carbazole	17.375	167	82550	4.200	ng/ul	99
78) Di-n-butylphthalate	17.951	149	84850	4.003	ng/ul	99
80) Fluoranthene	19.033	202	116610	4.630	ng/ul#	97
82) Pyrene	19.398	202	134250	5.063	ng/ul	98
83) Butylbenzylphthalate	20.316	149	31178	3.943	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.116	252	25781	3.133	ng/ul	95
85) Benzo(a)anthracene	21.180	228	119487	4.383	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.127	149	45007	3.802	ng/ul	99
87) Chrysene	21.239	228	118873	4.695	ng/ul	99
89) Di-n-octyl phthalate	22.210	149	63496	3.025	ng/ul	100
90) Benzo(b)fluoranthene	23.151	252	111388	4.238	ng/ul	96
91) Benzo(k)fluoranthene	23.204	252	106830	3.981	ng/ul	98
93) Benzo(a)pyrene	23.910	252	102589	4.154	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.221	276	128261	3.878	ng/ul	96
95) Dibenzo(a,h)anthracene	27.274	278	104357	3.854	ng/ul	98
96) Benzo(g,h,i)perylene	28.209	276	105665	3.882	ng/ul	97

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

