

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080625\
 Data File : BN037575.D
 Acq On : 06 Aug 2025 17:11
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020378

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/07/2025
 Supervised By :Jagrut Upadhyay 08/07/2025

Quant Time: Aug 06 17:45:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN071825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 18 16:22:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	61797	20.000	ng/u1	0.00
20) Naphthalene-d8	10.499	136	254958	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.351	164	165861	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.087	188	331708	20.000	ng/u1	-0.01
79) Chrysene-d12	21.316	240	362528	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	371265	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	10626	8.149	ng/uL	0.00
4) Pyridine-d5	3.605	84	74198	19.733	ng/u1	0.00
7) Phenol-d5	6.881	99	87450	19.207	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	55256	20.054	ng/u1	0.00
11) 2-Chlorophenol-d4	7.246	132	77076	19.870	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	71150	18.997	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	37822	19.737	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	31400	17.827	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.116	165	73586	20.050	ng/u1	0.00
31) 4-Chloroaniline-d4	10.628	131	108792	19.937	ng/u1	0.00
46) Dimethylphthalate-d6	13.763	166	237304	20.158	ng/u1	0.00
49) Acenaphthylene-d8	14.040	160	273036	19.757	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	42175	18.802	ng/u1	-0.01
60) Fluorene-d10	15.340	176	211742	20.834	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.451	200	27936	15.191	ng/u1	-0.01
73) Anthracene-d10	17.186	188	331700	20.324	ng/u1	0.00
81) Pyrene-d10	19.480	212	367742	19.310	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.051	264	372943	19.919	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	11058	7.634	ng/uL#	92
5) Pyridine	3.623	79	77673	20.094	ng/u1	91
6) Benzaldehyde	6.858	77	56563	26.692	ng/u1	96
8) Phenol	6.905	94	91326	19.507	ng/u1	91
10) Bis(2-Chloroethyl)ether	7.140	93	75819	19.928	ng/u1	98
12) 2-Chlorophenol	7.275	128	81497	20.614	ng/u1	97
13) 2-Methylphenol	8.152	108	68901	19.467	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.240	45	116412	21.154	ng/u1	99
16) Acetophenone	8.528	105	126953	21.672	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.516	70	57292	21.038	ng/u1	96
18) 4-Methylphenol	8.475	108	76836	20.097	ng/u1	96
19) Hexachloroethane	8.793	117	38674	22.836	ng/u1	96
22) Nitrobenzene	8.905	77	90416	20.719	ng/u1	98
23) Isophorone	9.434	82	159055	19.955	ng/u1	98
25) 2-Nitrophenol	9.610	139	38663	19.185	ng/u1#	86
26) 2,4-Dimethylphenol	9.675	107	88893	20.925	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.916	93	101545	19.629	ng/u1	98
29) 2,4-Dichlorophenol	10.146	162	74312	20.126	ng/u1	98
30) Naphthalene	10.546	128	274511	20.248	ng/u1	99
32) 4-Chloroaniline	10.652	127	109511	20.035	ng/u1	98
33) Hexachlorobutadiene	10.846	225	57005	22.331	ng/u1	95
34) Caprolactam	11.404	113	20781m	17.666	ng/u1	
35) 4-Chloro-3-methylphenol	11.781	107	79249	20.792	ng/u1	96
36) 2-Methylnaphthalene	12.163	142	188903	20.403	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.387	142	187204	20.610	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.540	216	99146	20.033	ng/ul	99
40) Hexachlorocyclopentadiene	12.528	237	62163	19.737	ng/ul	99
41) 2,4,6-Trichlorophenol	12.775	196	55715	19.073	ng/ul	100
42) 2,4,5-Trichlorophenol	12.840	196	64075	19.312	ng/ul	95
43) 1,1'-Biphenyl	13.181	154	248942	19.951	ng/ul	98
44) 2-Chloronaphthalene	13.222	162	188643	19.487	ng/ul	99
45) 2-Nitroaniline	13.416	65	46714	20.203	ng/ul	92
47) Dimethylphthalate	13.810	163	238248	20.536	ng/ul	99
48) 2,6-Dinitrotoluene	13.922	165	43030	19.499	ng/ul#	88
50) Acenaphthylene	14.069	152	317454	20.099	ng/ul	100
51) 3-Nitroaniline	14.245	138	43747	20.026	ng/ul	99
52) Acenaphthene	14.410	153	210585	20.520	ng/ul	96
53) 2,4-Dinitrophenol	14.451	184	17357	15.064	ng/ul	91
55) 4-Nitrophenol	14.551	109	36314	22.668	ng/ul	88
56) Dibenzofuran	14.751	168	299657	21.068	ng/ul	94
57) 2,4-Dinitrotoluene	14.704	165	67394	20.888	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	14.975	232	52525	20.217	ng/ul	96
59) Diethylphthalate	15.181	149	254209	21.801	ng/ul	99
61) Fluorene	15.398	166	246334	21.195	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.398	204	125054	22.007	ng/ul	96
63) 4-Nitroaniline	15.404	138	47622	22.961	ng/ul#	87
66) 4,6-Dinitro-2-methylph...	15.469	198	32078	16.200	ng/ul#	95
67) N-Nitrosodiphenylamine	15.610	169	209857	20.343	ng/ul	96
68) 4-Bromophenyl-phenylether	16.287	248	72599	19.847	ng/ul#	86
69) Hexachlorobenzene	16.404	284	86331	19.894	ng/ul	98
70) Atrazine	16.563	200	73700	19.841	ng/ul	97
71) Pentachlorophenol	16.739	266	46471	17.284	ng/ul	97
72) Phenanthrene	17.134	178	384312	20.407	ng/ul	99
74) Anthracene	17.222	178	396240	20.728	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.146	216	99689	18.781	ng/uL	94
76) Pentachlorobenzene	14.669	250	100203	19.272	ng/uL	97
77) Carbazole	17.486	167	337967	20.000	ng/ul	98
78) Di-n-butylphthalate	18.069	149	440679	21.662	ng/ul	99
80) Fluoranthene	19.145	202	435416	19.260	ng/ul	100
82) Pyrene	19.510	202	467703	19.820	ng/ul	97
83) Butylbenzylphthalate	20.422	149	163530	19.968	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.222	252	126782	18.336	ng/ul	99
85) Benzo(a)anthracene	21.298	228	480902	20.406	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.245	149	282558	20.777	ng/ul	99
87) Chrysene	21.357	228	461832	20.644	ng/ul	96
89) Di-n-octyl phthalate	22.363	149	426262	18.640	ng/ul	100
90) Benzo(b)fluoranthene	23.327	252	460540	21.109	ng/ul	96
91) Benzo(k)fluoranthene	23.386	252	465571	20.566	ng/ul	98
93) Benzo(a)pyrene	24.110	252	432445	20.660	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.551	276	534516	20.122	ng/ul	98
95) Dibenzo(a,h)anthracene	27.604	278	443713m	20.014	ng/ul	
96) Benzo(g,h,i)perylene	28.580	276	436223	20.295	ng/ul	99

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

