

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052025\
 Data File : BN037067.D
 Acq On : 20 May 2025 10:16
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020369

Quant Time: May 20 15:20:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN051625.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 16 16:51:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

05/20/2025

Supervised By :Jagrit

Upadhyay

05/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	67034	20.000	ng/u1	0.00
20) Naphthalene-d8	10.387	136	305940	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	212303	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.010	188	426404	20.000	ng/u1	0.00
79) Chrysene-d12	21.239	240	426459	20.000	ng/u1	0.00
88) Perylene-d12	24.122	264	403677	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.099	96	13507	8.189	ng/uL	0.00
4) Pyridine-d5	3.505	84	103475	20.047	ng/u1	0.00
7) Phenol-d5	6.781	99	119423	19.928	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.946	67	89307	20.468	ng/u1	0.00
11) 2-Chlorophenol-d4	7.140	132	93169	21.432	ng/u1	0.00
15) 4-Methylphenol-d8	8.316	113	98778	20.308	ng/u1	0.00
21) Nitrobenzene-d5	8.764	128	47617	20.241	ng/u1	0.00
24) 2-Nitrophenol-d4	9.481	143	52392	20.632	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.016	165	95231	20.723	ng/u1	0.00
31) 4-Chloroaniline-d4	10.528	131	138143	20.114	ng/u1	0.00
46) Dimethylphthalate-d6	13.675	166	310461	20.336	ng/u1	0.00
49) Acenaphthylene-d8	13.951	160	353151	20.309	ng/u1	0.00
54) 4-Nitrophenol-d4	14.469	143	59073	19.347	ng/u1	0.00
60) Fluorene-d10	15.257	176	269684	21.036	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.387	200	54793	19.532	ng/u1	0.00
73) Anthracene-d10	17.110	188	433430	20.803	ng/u1	0.00
81) Pyrene-d10	19.410	212	485917	21.096	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.922	264	425405	21.090	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.134	88	16174	8.766	ng/uL	96
5) Pyridine	3.523	79	108604	20.096	ng/u1	89
6) Benzaldehyde	6.752	77	83143	26.985	ng/u1	95
8) Phenol	6.811	94	130990	20.548	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.040	93	101536	20.193	ng/u1	99
12) 2-Chlorophenol	7.175	128	99167	21.469	ng/u1	95
13) 2-Methylphenol	8.052	108	93224	20.377	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.128	45	201945	19.910	ng/u1	99
16) Acetophenone	8.428	105	168226	21.070	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.416	70	97479	21.164	ng/u1	92
18) 4-Methylphenol	8.381	108	104420	20.325	ng/u1	94
19) Hexachloroethane	8.675	117	49564	22.494	ng/u1	96
22) Nitrobenzene	8.805	77	155577	21.069	ng/u1	100
23) Isophorone	9.328	82	257007	20.522	ng/u1	99
25) 2-Nitrophenol	9.511	139	57685	20.888	ng/u1	96
26) 2,4-Dimethylphenol	9.575	107	128404	21.461	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.816	93	146150	20.026	ng/u1	97
29) 2,4-Dichlorophenol	10.040	162	99001	21.217	ng/u1	99
30) Naphthalene	10.440	128	335823	20.547	ng/u1	99
32) 4-Chloroaniline	10.552	127	134164	20.318	ng/u1	96
33) Hexachlorobutadiene	10.728	225	67299	21.905	ng/u1	93
34) Caprolactam	11.322	113	31163m	19.562	ng/u1	
35) 4-Chloro-3-methylphenol	11.687	107	121899	21.404	ng/u1	95
36) 2-Methylnaphthalene	12.063	142	236837	21.020	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.287	142	237475	20.993	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.440	216	121719	20.271	ng/ul	96
40) Hexachlorocyclopentadiene	12.416	237	68433	19.777	ng/ul	98
41) 2,4,6-Trichlorophenol	12.681	196	81550	21.120	ng/ul	92
42) 2,4,5-Trichlorophenol	12.752	196	88769	21.128	ng/ul	97
43) 1,1'-Biphenyl	13.087	154	308694	20.108	ng/ul	98
44) 2-Chloronaphthalene	13.128	162	246474	20.568	ng/ul	98
45) 2-Nitroaniline	13.340	65	107557	21.208	ng/ul	97
47) Dimethylphthalate	13.722	163	315697	20.612	ng/ul	99
48) 2,6-Dinitrotoluene	13.846	165	62773	21.091	ng/ul	96
50) Acenaphthylene	13.981	152	375212	20.642	ng/ul	100
51) 3-Nitroaniline	14.169	138	65274	20.754	ng/ul	96
52) Acenaphthene	14.322	153	279915	20.756	ng/ul	98
53) 2,4-Dinitrophenol	14.375	184	35875	18.046	ng/ul	91
55) 4-Nitrophenol	14.481	109	73583	22.179	ng/ul	95
56) Dibenzofuran	14.663	168	385117	20.824	ng/ul	99
57) 2,4-Dinitrotoluene	14.634	165	95160	21.104	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.893	232	76223	21.536	ng/ul	97
59) Diethylphthalate	15.098	149	337046	20.836	ng/ul	99
61) Fluorene	15.316	166	313940	20.687	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.310	204	152080	21.179	ng/ul	97
63) 4-Nitroaniline	15.334	138	68438	22.944	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.398	198	60293	19.935	ng/ul	94
67) N-Nitrosodiphenylamine	15.528	169	261515	20.100	ng/ul	98
68) 4-Bromophenyl-phenylether	16.204	248	85883	20.893	ng/ul	95
69) Hexachlorobenzene	16.316	284	88353	19.919	ng/ul#	85
70) Atrazine	16.487	200	98215	20.424	ng/ul	98
71) Pentachlorophenol	16.663	266	60290	19.002	ng/ul	86
72) Phenanthrene	17.051	178	497477	20.612	ng/ul	99
74) Anthracene	17.140	178	514404	20.912	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.052	216	122455	19.880	ng/uL	96
76) Pentachlorobenzene	14.587	250	112427	20.171	ng/uL	91
77) Carbazole	17.416	167	469145	20.931	ng/ul	99
78) Di-n-butylphthalate	17.987	149	615547	21.562	ng/ul	98
80) Fluoranthene	19.075	202	583961	21.119	ng/ul	97
82) Pyrene	19.439	202	622029	20.965	ng/ul	96
83) Butylbenzylphthalate	20.351	149	271948	21.561	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.151	252	160578	20.646	ng/ul	95
85) Benzo(a)anthracene	21.222	228	587783	20.768	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.163	149	408196	21.539	ng/ul	98
87) Chrysene	21.281	228	559858	20.835	ng/ul	98
89) Di-n-octyl phthalate	22.251	149	634025	18.665	ng/ul	100
90) Benzo(b)fluoranthene	23.210	252	525139	20.836	ng/ul	96
91) Benzo(k)fluoranthene	23.269	252	538744	21.151	ng/ul	99
93) Benzo(a)pyrene	23.980	252	481938	21.133	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.345	276	531924	21.809	ng/ul	99
95) Dibenzo(a,h)anthracene	27.398	278	440116	22.227	ng/ul	97
96) Benzo(g,h,i)perylene	28.351	276	407653	22.118	ng/ul	98

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

