

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062025\
 Data File : BN037344.D
 Acq On : 19 Jun 2025 13:37
 Operator : RC/JU
 Sample : SSTD08033
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD080228

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/23/2025

Supervised By :Jagrut Upadhyay 06/24/2025

Quant Time: Jun 19 14:53:34 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 19 14:36:04 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	142439	20.000	ng/u1	0.00
20) Naphthalene-d8	10.345	136	462149	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.222	164	338318	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.975	188	683682	20.000	ng/u1	0.00
79) Chrysene-d12	21.210	240	723105	20.000	ng/u1	0.00
88) Perylene-d12	24.057	264	713616	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	87213	25.846	ng/uL	0.00
4) Pyridine-d5	3.469	84	583835	57.576	ng/u1	0.00
7) Phenol-d5	6.752	99	685016	58.437	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.910	67	422560	50.721	ng/u1	0.00
11) 2-Chlorophenol-d4	7.104	132	601496	68.722	ng/u1	0.00
15) 4-Methylphenol-d8	8.293	113	551200	57.955	ng/u1	0.02
21) Nitrobenzene-d5	8.722	128	291318	82.579	ng/u1	0.00
24) 2-Nitrophenol-d4	9.440	143	364403	94.338	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	748449	101.953	ng/u1	0.00
31) 4-Chloroaniline-d4	10.493	131	726964	72.086	ng/u1	0.00
46) Dimethylphthalate-d6	13.645	166	2013045	82.777	ng/u1	0.01
49) Acenaphthylene-d8	13.916	160	2296919	83.309	ng/u1	0.01
54) 4-Nitrophenol-d4	14.451	143	316458	68.960	ng/u1	0.02
60) Fluorene-d10	15.222	176	1840799	88.009	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.357	200	433500	96.947	ng/u1	0.01
73) Anthracene-d10	17.075	188	2773801	83.354	ng/u1	0.00
81) Pyrene-d10	19.374	212	3371233	86.414	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.874	264	3348907	92.998	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	95222	25.374	ng/uL	94
5) Pyridine	3.487	79	602415	56.959	ng/u1	96
6) Benzaldehyde	6.716	77	328892	55.403	ng/u1	95
8) Phenol	6.781	94	694606	56.071	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.004	93	568814	58.235	ng/u1	97
12) 2-Chlorophenol	7.134	128	603261	65.355	ng/u1	97
13) 2-Methylphenol	8.016	108	527627	59.034	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.099	45	476152	26.287	ng/u1	99
16) Acetophenone	8.393	105	883178	56.583	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.399	70	437280	50.019	ng/u1	95
18) 4-Methylphenol	8.357	108	557032	55.902	ng/u1	94
19) Hexachloroethane	8.634	117	297793	66.563	ng/u1	88
22) Nitrobenzene	8.769	77	722950	67.180	ng/u1	94
23) Isophorone	9.298	82	1183156	66.247	ng/u1	98
25) 2-Nitrophenol	9.475	139	358615	85.993	ng/u1	89
26) 2,4-Dimethylphenol	9.540	107	666786	75.307	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.781	93	728629	69.222	ng/u1	97
29) 2,4-Dichlorophenol	10.004	162	707719	95.883	ng/u1	100
30) Naphthalene	10.398	128	1846360	75.693	ng/u1	98
32) 4-Chloroaniline	10.516	127	718166	73.891	ng/u1	96
33) Hexachlorobutadiene	10.681	225	693397	125.001	ng/u1	98
34) Caprolactam	11.310	113	154426m	67.803	ng/u1	
35) 4-Chloro-3-methylphenol	11.657	107	575674	69.731	ng/u1	96
36) 2-Methylnaphthalene	12.022	142	1415259	82.550	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.245	142	1372543	80.375	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.398	216	1120156	107.957	ng/ul	94
40) Hexachlorocyclopentadiene	12.375	237	870405	133.812	ng/ul	94
41) 2,4,6-Trichlorophenol	12.645	196	674102	104.216	ng/ul	98
42) 2,4,5-Trichlorophenol	12.716	196	728852	102.525	ng/ul	99
43) 1,1'-Biphenyl	13.051	154	1974173	81.036	ng/ul	100
44) 2-Chloronaphthalene	13.092	162	1636701	85.143	ng/ul	96
45) 2-Nitroaniline	13.304	65	373830	51.432	ng/ul	92
47) Dimethylphthalate	13.692	163	1917853	79.092	ng/ul	100
48) 2,6-Dinitrotoluene	13.816	165	425039	89.857	ng/ul	91
50) Acenaphthylene	13.945	152	2456376	85.026	ng/ul	99
51) 3-Nitroaniline	14.139	138	310016	66.252	ng/ul	93
52) Acenaphthene	14.292	153	1613771	76.273	ng/ul	99
53) 2,4-Dinitrophenol	14.351	184	295458	92.473	ng/ul	92
55) 4-Nitrophenol	14.463	109	282412	56.279	ng/ul#	83
56) Dibenzofuran	14.628	168	2429482	82.040	ng/ul	98
57) 2,4-Dinitrotoluene	14.604	165	594601	83.243	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	14.857	232	629579	105.121	ng/ul#	91
59) Diethylphthalate	15.069	149	1823045	72.139	ng/ul	98
61) Fluorene	15.281	166	1972737	81.143	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.275	204	1210436	99.781	ng/ul	93
63) 4-Nitroaniline	15.310	138	279433m	63.902	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.375	198	434571	90.611	ng/ul#	90
67) N-Nitrosodiphenylamine	15.492	169	1636407	81.198	ng/ul	94
68) 4-Bromophenyl-phenylether	16.169	248	708407	104.109	ng/ul	92
69) Hexachlorobenzene	16.280	284	794930	105.814	ng/ul	95
70) Atrazine	16.457	200	714913	91.608	ng/ul	98
71) Pentachlorophenol	16.628	266	534977	101.853	ng/ul	95
72) Phenanthrene	17.016	178	3119959	82.047	ng/ul	98
74) Anthracene	17.110	178	3145663	81.069	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.010	216	1141091	111.337	ng/ul	97
76) Pentachlorobenzene	14.545	250	1030315	110.882	ng/ul	95
77) Carbazole	17.380	167	2507853	72.743	ng/ul	99
78) Di-n-butylphthalate	17.957	149	2893230	67.391	ng/ul	98
80) Fluoranthene	19.039	202	3806850	82.424	ng/ul	99
82) Pyrene	19.404	202	3932933	79.286	ng/ul	99
83) Butylbenzylphthalate	20.321	149	1307393	65.749	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.121	252	1231055	92.162	ng/ul	95
85) Benzo(a)anthracene	21.192	228	3980541	82.516	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.133	149	1968456	65.935	ng/ul	100
87) Chrysene	21.251	228	3769569	82.630	ng/ul	97
89) Di-n-octyl phthalate	22.215	149	3194929	58.027	ng/ul	100
90) Benzo(b)fluoranthene	23.168	252	3990189	89.917	ng/ul	99
91) Benzo(k)fluoranthene	23.227	252	3947658	88.430	ng/ul	99
93) Benzo(a)pyrene	23.939	252	3694120	91.190	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.268	276	4780341	104.311	ng/ul	98
95) Dibenzo(a,h)anthracene	27.327	278	3914273	105.369	ng/ul	99
96) Benzo(g,h,i)perylene	28.274	276	3799366	106.565	ng/ul	98

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

