

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071825\
 Data File : BN037523.D
 Acq On : 18 Jul 2025 14:36
 Operator : RC/JU
 Sample : SSTD04038
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD040234

Quant Time: Jul 18 16:14:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN071825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 18 16:09:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/21/2025
 Supervised By :Jagrut Upadhyay 07/21/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	88508	20.000	ng/u1	0.00
20) Naphthalene-d8	10.504	136	344788	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	210348	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.098	188	399859	20.000	ng/u1	0.00
79) Chrysene-d12	21.322	240	397372	20.000	ng/u1	0.00
88) Perylene-d12	24.263	264	418830	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	29819	15.967	ng/uL	0.00
4) Pyridine-d5	3.605	84	215331	39.446	ng/u1	0.00
7) Phenol-d5	6.887	99	266932	40.637	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.052	67	160886	40.247	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	231880	41.738	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	218446	40.447	ng/u1	0.00
21) Nitrobenzene-d5	8.869	128	113997	43.989	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	109950	46.160	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	215363	43.392	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	311187	41.912	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	636185	42.613	ng/u1	0.00
49) Acenaphthylene-d8	14.045	160	747296	42.637	ng/u1	0.00
54) 4-Nitrophenol-d4	14.545	143	122351	43.483	ng/u1	0.00
60) Fluorene-d10	15.351	176	541537	42.014	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	93748	45.049	ng/u1	0.00
73) Anthracene-d10	17.192	188	832749	42.328	ng/u1	0.00
81) Pyrene-d10	19.486	212	915238	43.845	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.068	264	916298	43.382	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	31646	15.254	ng/uL	100
5) Pyridine	3.622	79	222284	39.665	ng/u1	100
6) Benzaldehyde	6.858	77	138024	39.786	ng/u1	100
8) Phenol	6.910	94	273208	40.474	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.146	93	219999	39.879	ng/u1	100
12) 2-Chlorophenol	7.287	128	238882	42.189	ng/u1	100
13) 2-Methylphenol	8.157	108	206701	40.512	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.246	45	321207	40.187	ng/u1	100
16) Acetophenone	8.534	105	337069	39.410	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.528	70	161400	41.381	ng/u1	100
18) 4-Methylphenol	8.487	108	224837	40.613	ng/u1	100
19) Hexachloroethane	8.799	117	98135	40.458	ng/u1	100
22) Nitrobenzene	8.910	77	251394	42.598	ng/u1	100
23) Isophorone	9.440	82	462244	42.883	ng/u1	100
25) 2-Nitrophenol	9.616	139	123683	45.383	ng/u1	100
26) 2,4-Dimethylphenol	9.687	107	241250	41.994	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.922	93	293895	42.010	ng/u1	100
29) 2,4-Dichlorophenol	10.152	162	211167	42.291	ng/u1	100
30) Naphthalene	10.557	128	759809	41.442	ng/u1	100
32) 4-Chloroaniline	10.657	127	310975	41.697	ng/u1	100
33) Hexachlorobutadiene	10.851	225	143079	41.447	ng/u1	100
34) Caprolactam	11.416	113	68084m	43.106	ng/u1	
35) 4-Chloro-3-methylphenol	11.787	107	223007	43.266	ng/u1	100
36) 2-Methylnaphthalene	12.169	142	531805	42.473	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.393	142	511975	41.680	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.545	216	264437	42.131	ng/ul	100
40) Hexachlorocyclopentadiene	12.534	237	165617	42.058	ng/ul	100
41) 2,4,6-Trichlorophenol	12.781	196	163816	44.219	ng/ul	100
42) 2,4,5-Trichlorophenol	12.851	196	183482	43.604	ng/ul	100
43) 1,1'-Biphenyl	13.193	154	668245	42.228	ng/ul	100
44) 2-Chloronaphthalene	13.228	162	510056	41.545	ng/ul	100
45) 2-Nitroaniline	13.422	65	136694	46.614	ng/ul	100
47) Dimethylphthalate	13.816	163	632731	43.004	ng/ul	100
48) 2,6-Dinitrotoluene	13.928	165	126511	45.203	ng/ul	100
50) Acenaphthylene	14.075	152	841517	42.010	ng/ul	100
51) 3-Nitroaniline	14.251	138	123003	43.098	ng/ul	100
52) Acenaphthene	14.422	153	541266	41.588	ng/ul	100
53) 2,4-Dinitrophenol	14.457	184	59483	44.558	ng/ul	100
55) 4-Nitrophenol	14.557	109	86741	42.741	ng/ul	100
56) Dibenzofuran	14.757	168	751676	41.670	ng/ul	100
57) 2,4-Dinitrotoluene	14.716	165	188904	46.165	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.981	232	145727	44.229	ng/ul	100
59) Diethylphthalate	15.192	149	633736	42.855	ng/ul	100
61) Fluorene	15.404	166	610939	41.449	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.404	204	298045	40.917	ng/ul	100
63) 4-Nitroaniline	15.410	138	117227	42.491	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.475	198	100078	43.918	ng/ul	100
67) N-Nitrosodiphenylamine	15.616	169	527592	42.427	ng/ul	100
68) 4-Bromophenyl-phenylether	16.298	248	193910	43.975	ng/ul	100
69) Hexachlorobenzene	16.410	284	218792	41.824	ng/ul	100
70) Atrazine	16.569	200	188063	42.226	ng/ul	100
71) Pentachlorophenol	16.745	266	135864	43.314	ng/ul	100
72) Phenanthrene	17.139	178	941066	41.454	ng/ul	100
74) Anthracene	17.228	178	962481	41.767	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.151	216	267189	41.757	ng/uL	100
76) Pentachlorobenzene	14.675	250	260265	41.526	ng/uL	100
77) Carbazole	17.492	167	863925	42.054	ng/ul	100
78) Di-n-butylphthalate	18.075	149	1093004	44.569	ng/ul	100
80) Fluoranthene	19.157	202	1061711	42.845	ng/ul	100
82) Pyrene	19.516	202	1095394	42.349	ng/ul	100
83) Butylbenzylphthalate	20.427	149	429204	47.812	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.233	252	337731	44.025	ng/ul	100
85) Benzo(a)anthracene	21.310	228	1113385	43.101	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.257	149	707751	47.480	ng/ul	100
87) Chrysene	21.369	228	999217	40.750	ng/ul	100
89) Di-n-octyl phthalate	22.380	149	1113332	44.293	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	1064811	43.262	ng/ul	100
91) Benzo(k)fluoranthene	23.404	252	1100423	43.089	ng/ul	100
93) Benzo(a)pyrene	24.133	252	1027551	43.517	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.574	276	1300088	43.383	ng/ul	100
95) Dibenzo(a,h)anthracene	27.639	278	1089889	43.577	ng/ul	100
96) Benzo(g,h,i)perylene	28.609	276	1025829	42.306	ng/ul	100

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

