

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101725\
 Data File : BN038094.D
 Acq On : 17 Oct 2025 12:33
 Operator : RC/JU
 Sample : SSTD08051
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080249

Quant Time: Oct 17 14:56:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101725.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 17 14:30:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

10/20/2025

Supervised By :Jagrit
 Upadhyay
 10/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	280899	20.00	ng/ul	0.00
20) Naphthalene-d8	10.587	136	1155629	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.445	164	695824	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.198	188	1257712	20.00	ng/ul	0.00
79) Chrysene-d12	21.451	240	1212757	20.00	ng/ul	0.00
88) Perylene-d12	24.510	264	1201214	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	215858	32.57	ng/uL	0.00
4) Pyridine-d5	3.634	84	1450663	80.21	ng/ul	0.00
7) Phenol-d5	6.952	99	1847404	88.93	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.116	67	1141073	87.98	ng/ul	0.00
11) 2-Chlorophenol-d4	7.316	132	1591516	92.46	ng/ul	0.00
15) 4-Methylphenol-d8	8.499	113	1538421	93.06	ng/ul	0.01
21) Nitrobenzene-d5	8.946	128	789057	91.20	ng/ul	0.00
24) 2-Nitrophenol-d4	9.669	143	854260	116.14	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	1514214	93.11	ng/ul	0.00
31) 4-Chloroaniline-d4	10.722	131	2020241	82.64	ng/ul	0.00
46) Dimethylphthalate-d6	13.863	166	4106030	88.31	ng/ul	0.01
49) Acenaphthylene-d8	14.140	160	4894500	84.95	ng/ul	0.00
54) 4-Nitrophenol-d4	14.651	143	828214	93.28	ng/ul	0.02
60) Fluorene-d10	15.445	176	3492801	84.62	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.563	200	700238	115.15	ng/ul	0.00
73) Anthracene-d10	17.298	188	5112078	82.08	ng/ul	0.00
81) Pyrene-d10	19.592	212	5455735	87.65	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.304	264	5724172	94.27	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.258	88	221987	31.58	ng/uL	94
5) Pyridine	3.658	79	1603701	84.93	ng/ul	96
6) Benzaldehyde	6.916	77	732158	72.44	ng/ul	97
8) Phenol	6.975	94	1940356	89.42	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.211	93	1558006	88.98	ng/ul	99
12) 2-Chlorophenol	7.352	128	1674377	92.85	ng/ul	95
13) 2-Methylphenol	8.228	108	1473518	91.65	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.316	45	2222983	91.83	ng/ul	98
16) Acetophenone	8.610	105	2423158	91.53	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.610	70	1181462	96.93	ng/ul	97
18) 4-Methylphenol	8.563	108	1588199	91.00	ng/ul	93
19) Hexachloroethane	8.869	117	689866	88.72	ng/ul	97
22) Nitrobenzene	8.987	77	1781814	88.77	ng/ul	99
23) Isophorone	9.528	82	3282423	94.02	ng/ul	99
25) 2-Nitrophenol	9.699	139	943673	109.40	ng/ul	99
26) 2,4-Dimethylphenol	9.769	107	1763243	91.34	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.004	93	2060142	88.54	ng/ul	99
29) 2,4-Dichlorophenol	10.240	162	1521035	91.56	ng/ul	99
30) Naphthalene	10.640	128	5171046	83.48	ng/ul	99
32) 4-Chloroaniline	10.752	127	2105764	86.20	ng/ul	99
33) Hexachlorobutadiene	10.934	225	972697	84.28	ng/ul	97
34) Caprolactam	11.546	113	465629m	93.62	ng/ul	
35) 4-Chloro-3-methylphenol	11.881	107	1558083	98.40	ng/ul	98
36) 2-Methylnaphthalene	12.263	142	3611652	88.39	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	3423012	85.12	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.634	216	1757249	82.19	ng/ul	97
40) Hexachlorocyclopentadiene	12.616	237	1266705	89.83	ng/ul	98
41) 2,4,6-Trichlorophenol	12.875	196	1149032	98.02	ng/ul	99
42) 2,4,5-Trichlorophenol	12.945	196	1263408	93.07	ng/ul	98
43) 1,1'-Biphenyl	13.281	154	4379495	82.03	ng/ul	99
44) 2-Chloronaphthalene	13.322	162	3436481	82.16	ng/ul	99
45) 2-Nitroaniline	13.522	65	991599	101.82	ng/ul	99
47) Dimethylphthalate	13.910	163	4149942	88.81	ng/ul	99
48) 2,6-Dinitrotoluene	14.022	165	852031	101.44	ng/ul	98
50) Acenaphthylene	14.169	152	5701241	84.83	ng/ul	100
51) 3-Nitroaniline	14.351	138	926784	102.03	ng/ul	96
52) Acenaphthene	14.516	153	3637513	82.82	ng/ul	95
53) 2,4-Dinitrophenol	14.557	184	525018	137.14	ng/ul	96
55) 4-Nitrophenol	14.663	109	623793	91.79	ng/ul	98
56) Dibenzofuran	14.851	168	4950645	82.50	ng/ul	98
57) 2,4-Dinitrotoluene	14.810	165	1253855	104.10	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.075	232	1007883	103.55	ng/ul	99
59) Diethylphthalate	15.281	149	4078383	91.33	ng/ul	99
61) Fluorene	15.504	166	3948844	81.44	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.498	204	1966823	84.37	ng/ul	96
63) 4-Nitroaniline	15.522	138	849102	97.98	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.581	198	738999	109.64	ng/ul#	98
67) N-Nitrosodiphenylamine	15.710	169	3397431	84.22	ng/ul	98
68) 4-Bromophenyl-phenylether	16.392	248	1275628	91.01	ng/ul	99
69) Hexachlorobenzene	16.510	284	1484175	85.44	ng/ul	98
70) Atrazine	16.669	200	1161771	85.24	ng/ul	98
71) Pentachlorophenol	16.851	266	951069	97.80	ng/ul	95
72) Phenanthrene	17.245	178	5954706	81.54	ng/ul	98
74) Anthracene	17.334	178	6057896	81.73	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.245	216	1687994	77.96	ng/uL	94
76) Pentachlorobenzene	14.775	250	1733963	81.78	ng/uL	96
77) Carbazole	17.604	167	5408907	81.95	ng/ul	99
78) Di-n-butylphthalate	18.175	149	6950491	101.74	ng/ul	98
80) Fluoranthene	19.263	202	6449691	88.03	ng/ul	99
82) Pyrene	19.628	202	6662693	84.85	ng/ul	99
83) Butylbenzylphthalate	20.527	149	3044570	129.31	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.357	252	1630510	70.43	ng/ul	95
85) Benzo(a)anthracene	21.433	228	6657981	86.79	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.363	149	4574397	128.99	ng/ul#	98
87) Chrysene	21.498	228	6243934	84.82	ng/ul	95
89) Di-n-octyl phthalate	22.521	149	7630017	125.56	ng/ul	100
90) Benzo(b)fluoranthene	23.545	252	6689139	93.72	ng/ul	99
91) Benzo(k)fluoranthene	23.610	252	6927549	95.59	ng/ul	99
93) Benzo(a)pyrene	24.380	252	6357654	93.22	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.974	276	8396908	95.23	ng/ul	99
95) Dibenzo(a,h)anthracene	28.039	278	6779900	92.71	ng/ul	97
96) Benzo(g,h,i)perylene	29.056	276	6598678	91.40	ng/ul	97

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

