

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100425\
 Data File : BN038002.D
 Acq On : 03 Oct 2025 18:05
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020384

Quant Time: Oct 03 18:31:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 03 16:35:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
 Supervised By :Jagrut Upadhyay 10/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	247853	20.000	ng/u1	0.00
20) Naphthalene-d8	10.604	136	1101540	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	684607	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	1214301	20.000	ng/u1	0.00
79) Chrysene-d12	21.463	240	1069197	20.000	ng/u1	0.00
88) Perylene-d12	24.527	264	1001274	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	39951	6.828	ng/uL	0.00
4) Pyridine-d5	3.658	84	303435	18.648	ng/u1	0.00
7) Phenol-d5	6.957	99	346040	18.713	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	225480	19.776	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	282835	18.534	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	289944	19.918	ng/u1	0.00
21) Nitrobenzene-d5	8.957	128	145002	17.455	ng/u1	0.00
24) 2-Nitrophenol-d4	9.687	143	130038	19.133	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	280079	18.046	ng/u1	0.00
31) 4-Chloroaniline-d4	10.740	131	429682	18.252	ng/u1	0.00
46) Dimethylphthalate-d6	13.869	166	831913	18.199	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	991804	17.364	ng/u1	0.00
54) 4-Nitrophenol-d4	14.645	143	155697	18.175	ng/u1	0.00
60) Fluorene-d10	15.457	176	743103	18.176	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.569	200	94762	17.309	ng/u1	0.00
73) Anthracene-d10	17.310	188	1093577	18.113	ng/u1	0.00
81) Pyrene-d10	19.604	212	1014235	18.147	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.315	264	868266	17.175	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	43058	6.912	ng/uL	99
5) Pyridine	3.681	79	319102	18.979	ng/u1	99
6) Benzaldehyde	6.940	77	201690	23.281	ng/u1	98
8) Phenol	6.987	94	373016	19.383	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.222	93	301080	19.622	ng/u1	99
12) 2-Chlorophenol	7.363	128	299918	18.792	ng/u1	96
13) 2-Methylphenol	8.240	108	271797	19.156	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.328	45	421588	19.947	ng/u1	99
16) Acetophenone	8.622	105	495993	21.390	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.610	70	239417	22.655	ng/u1	98
18) 4-Methylphenol	8.569	108	308282	20.140	ng/u1	99
19) Hexachloroethane	8.887	117	128400	18.895	ng/u1	92
22) Nitrobenzene	8.999	77	351949	18.515	ng/u1	99
23) Isophorone	9.534	82	631211	19.138	ng/u1	100
25) 2-Nitrophenol	9.716	139	158710	19.797	ng/u1	95
26) 2,4-Dimethylphenol	9.781	107	337743	18.464	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.016	93	410992	18.696	ng/u1	97
29) 2,4-Dichlorophenol	10.251	162	283305	17.888	ng/u1	98
30) Naphthalene	10.657	128	1059974	18.016	ng/u1	98
32) 4-Chloroaniline	10.763	127	435966	18.519	ng/u1	99
33) Hexachlorobutadiene	10.951	225	178933	16.203	ng/u1	98
34) Caprolactam	11.540	113	80362m	17.128	ng/u1	
35) 4-Chloro-3-methylphenol	11.893	107	294078	19.717	ng/u1	97
36) 2-Methylnaphthalene	12.275	142	720607	18.625	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.498	142	725004	18.949	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.651	216	343324	16.077	ng/ul	96
40) Hexachlorocyclopentadiene	12.634	237	227551	16.622	ng/ul	94
41) 2,4,6-Trichlorophenol	12.887	196	201912	17.478	ng/ul	98
42) 2,4,5-Trichlorophenol	12.957	196	238519	17.795	ng/ul	99
43) 1,1'-Biphenyl	13.292	154	926510	17.573	ng/ul	99
44) 2-Chloronaphthalene	13.334	162	709034	17.083	ng/ul	97
45) 2-Nitroaniline	13.528	65	179361	18.975	ng/ul	92
47) Dimethylphthalate	13.916	163	850307	18.603	ng/ul	99
48) 2,6-Dinitrotoluene	14.034	165	154987	18.965	ng/ul	97
50) Acenaphthylene	14.181	152	1202543	18.142	ng/ul	100
51) 3-Nitroaniline	14.357	138	168977	19.292	ng/ul	96
52) Acenaphthene	14.528	153	769264	17.835	ng/ul	98
53) 2,4-Dinitrophenol	14.563	184	60688	17.570	ng/ul	91
55) 4-Nitrophenol	14.663	109	121621	18.642	ng/ul	95
56) Dibenzofuran	14.863	168	1055239	17.931	ng/ul	100
57) 2,4-Dinitrotoluene	14.816	165	231731	19.804	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.086	232	184513	19.682	ng/ul	98
59) Diethylphthalate	15.286	149	826940	19.041	ng/ul	97
61) Fluorene	15.510	166	874759	18.341	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.510	204	408019	17.780	ng/ul	94
63) 4-Nitroaniline	15.522	138	160079	19.426	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.581	198	107754	17.620	ng/ul#	90
67) N-Nitrosodiphenylamine	15.722	169	711359	18.264	ng/ul	100
68) 4-Bromophenyl-phenylether	16.404	248	237266	17.374	ng/ul	92
69) Hexachlorobenzene	16.522	284	308251	18.442	ng/ul	97
70) Atrazine	16.675	200	204500	15.626	ng/ul	99
71) Pentachlorophenol	16.863	266	152295	16.598	ng/ul	94
72) Phenanthrene	17.251	178	1265277	17.982	ng/ul	100
74) Anthracene	17.345	178	1319586	18.495	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.257	216	337809	15.636	ng/uL	99
76) Pentachlorobenzene	14.786	250	361709	17.479	ng/uL	99
77) Carbazole	17.610	167	1092658	17.287	ng/ul	99
78) Di-n-butylphthalate	18.186	149	1166096	18.181	ng/ul	99
80) Fluoranthene	19.269	202	1245679	19.099	ng/ul	99
82) Pyrene	19.633	202	1324613	19.096	ng/ul	100
83) Butylbenzylphthalate	20.533	149	387112	19.767	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.363	252	303627	14.703	ng/ul	99
85) Benzo(a)anthracene	21.445	228	1146768	16.724	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.374	149	565739	19.163	ng/ul	99
87) Chrysene	21.504	228	1163202	17.741	ng/ul	98
89) Di-n-octyl phthalate	22.533	149	766402	16.251	ng/ul	100
90) Benzo(b)fluoranthene	23.557	252	1082181	18.308	ng/ul	97
91) Benzo(k)fluoranthene	23.621	252	1081445	18.131	ng/ul	96
93) Benzo(a)pyrene	24.380	252	1000894	17.665	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.986	276	1263427m	17.042	ng/ul	
95) Dibenzo(a,h)anthracene	28.050	278	1076092	17.561	ng/ul	98
96) Benzo(g,h,i)perylene	29.062	276	1035591	17.047	ng/ul	98

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

