

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091225\
 Data File : BN037709.D
 Acq On : 12 Sep 2025 12:47
 Operator : RC/JU
 Sample : SST02043
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 12 15:20:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091225.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 12 15:23:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli

09/15/2025

Supervised By :Jagrit

Upadhyay

09/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	307164	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	1215267	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	698804	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.239	188	1206132	20.000	ng/u1	0.00
79) Chrysene-d12	21.492	240	1088576	20.000	ng/u1	0.00
88) Perylene-d12	24.580	264	1199897	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	60404	9.079	ng/uL	0.00
4) Pyridine-d5	3.675	84	428273	22.380	ng/u1	0.00
7) Phenol-d5	6.987	99	499092	21.673	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	310450	22.114	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	424953	21.687	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	400181	21.286	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	200272	21.599	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	171652	20.350	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	380924	21.525	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	546184	20.840	ng/u1	0.00
46) Dimethylphthalate-d6	13.904	166	1008047	20.355	ng/u1	0.00
49) Acenaphthylene-d8	14.187	160	1269611	21.488	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	169946	18.329	ng/u1	0.00
60) Fluorene-d10	15.487	176	892341	20.746	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	94986	14.584	ng/u1	0.00
73) Anthracene-d10	17.339	188	1273236	21.230	ng/u1	0.00
81) Pyrene-d10	19.628	212	1289656	21.903	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.368	264	1296389	21.217	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	64922	8.858	ng/uL	100
5) Pyridine	3.693	79	445684	22.671	ng/u1	100
6) Benzaldehyde	6.963	77	299584	28.036	ng/u1	100
8) Phenol	7.016	94	517491	21.813	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.252	93	418066	21.773	ng/u1	100
12) 2-Chlorophenol	7.399	128	441384	21.963	ng/u1	100
13) 2-Methylphenol	8.275	108	390463	21.787	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.369	45	585682	21.188	ng/u1	100
16) Acetophenone	8.658	105	646968	21.956	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.646	70	300552	21.956	ng/u1	100
18) 4-Methylphenol	8.599	108	418670	21.696	ng/u1	100
19) Hexachloroethane	8.928	117	181844	21.354	ng/u1	100
22) Nitrobenzene	9.034	77	453244	21.386	ng/u1	100
23) Isophorone	9.569	82	814766	21.245	ng/u1	100
25) 2-Nitrophenol	9.752	139	200378	20.745	ng/u1	100
26) 2,4-Dimethylphenol	9.810	107	444307	21.655	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.052	93	531636	21.298	ng/u1	100
29) 2,4-Dichlorophenol	10.287	162	388385	21.726	ng/u1	100
30) Naphthalene	10.693	128	1388296	21.186	ng/u1	100
32) 4-Chloroaniline	10.799	127	559038	21.281	ng/u1	100
33) Hexachlorobutadiene	10.993	225	257210	20.749	ng/u1	100
34) Caprolactam	11.551	113	103791	18.828	ng/u1	100
35) 4-Chloro-3-methylphenol	11.922	107	368682	20.488	ng/u1	100
36) 2-Methylnaphthalene	12.310	142	937367	21.094	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.534	142	926347	21.293	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.681	216	462376	21.625	ng/ul	100
40) Hexachlorocyclopentadiene	12.669	237	281067	20.545	ng/ul	100
41) 2,4,6-Trichlorophenol	12.916	196	269631	21.621	ng/ul	100
42) 2,4,5-Trichlorophenol	12.987	196	302445	21.288	ng/ul	100
43) 1,1'-Biphenyl	13.328	154	1162609	21.674	ng/ul	100
44) 2-Chloronaphthalene	13.363	162	903848	21.690	ng/ul	100
45) 2-Nitroaniline	13.557	65	210868	21.442	ng/ul	100
47) Dimethylphthalate	13.951	163	1002806	20.501	ng/ul	100
48) 2,6-Dinitrotoluene	14.057	165	186590	20.224	ng/ul	100
50) Acenaphthylene	14.216	152	1462345	21.626	ng/ul	100
51) 3-Nitroaniline	14.381	138	197352	21.541	ng/ul	100
52) Acenaphthene	14.557	153	930034	21.212	ng/ul	100
53) 2,4-Dinitrophenol	14.587	184	58321	12.529	ng/ul	100
55) 4-Nitrophenol	14.687	109	129945	19.437	ng/ul	100
56) Dibenzofuran	14.892	168	1260595	20.915	ng/ul	100
57) 2,4-Dinitrotoluene	14.845	165	266266	19.947	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.116	232	213872	19.766	ng/ul	100
59) Diethylphthalate	15.322	149	967010	19.878	ng/ul	100
61) Fluorene	15.545	166	1023644	20.836	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.539	204	502017	20.896	ng/ul	100
63) 4-Nitroaniline	15.545	138	191323	22.276	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.610	198	111724	15.873	ng/ul	100
67) N-Nitrosodiphenylamine	15.751	169	833831	21.750	ng/ul	100
68) 4-Bromophenyl-phenylether	16.439	248	297629	21.816	ng/ul	100
69) Hexachlorobenzene	16.551	284	352337	21.746	ng/ul	100
70) Atrazine	16.704	200	266356	19.736	ng/ul	100
71) Pentachlorophenol	16.886	266	181401	18.465	ng/ul	100
72) Phenanthrene	17.286	178	1461016	21.091	ng/ul	100
74) Anthracene	17.375	178	1494728	21.258	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.293	216	467228	23.015	ng/ul	100
76) Pentachlorobenzene	14.816	250	438272	22.354	ng/ul	100
77) Carbazole	17.639	167	1280903	20.734	ng/ul	100
78) Di-n-butylphthalate	18.222	149	1404377	19.287	ng/ul	100
80) Fluoranthene	19.298	202	1498635	21.532	ng/ul	100
82) Pyrene	19.657	202	1568975	21.567	ng/ul	100
83) Butylbenzylphthalate	20.569	149	467805	19.079	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.392	252	449145	21.194	ng/ul	100
85) Benzo(a)anthracene	21.474	228	1538365	21.271	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.416	149	714436	17.852	ng/ul	100
87) Chrysene	21.533	228	1445943	21.135	ng/ul	100
89) Di-n-octyl phthalate	22.592	149	1063354	14.957	ng/ul	100
90) Benzo(b)fluoranthene	23.604	252	1530351	21.468	ng/ul	100
91) Benzo(k)fluoranthene	23.668	252	1517925	20.590	ng/ul	100
93) Benzo(a)pyrene	24.433	252	1452131	21.331	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.062	276	1942118m	22.143	ng/ul	
95) Dibenzo(a,h)anthracene	28.133	278	1585359m	21.790	ng/ul	
96) Benzo(g,h,i)perylene	29.156	276	1566570m	22.167	ng/ul	

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

