

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101725\
 Data File : BN038091.D
 Acq On : 17 Oct 2025 10:34
 Operator : RC/JU
 Sample : SSTD01048
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD010246

Quant Time: Oct 17 14:34:49 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 :Jagrut Upadhyay 10/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	261869	20.00	ng/ul	0.00
20) Naphthalene-d8	10.587	136	1105973	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.446	164	680363	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.198	188	1272614	20.00	ng/ul	0.00
79) Chrysene-d12	21.451	240	1231885	20.00	ng/ul	0.00
88) Perylene-d12	24.504	264	1252189	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.228	96	26010	4.21	ng/uL	0.00
4) Pyridine-d5	3.640	84	157342	9.33	ng/ul	0.00
7) Phenol-d5	6.940	99	189155	9.77	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	131684	10.89	ng/ul	0.00
11) 2-Chlorophenol-d4	7.311	132	165699	10.33	ng/ul	0.00
15) 4-Methylphenol-d8	8.487	113	157606	10.23	ng/ul	0.00
21) Nitrobenzene-d5	8.940	128	80333	9.70	ng/ul	0.00
24) 2-Nitrophenol-d4	9.663	143	79083	11.23	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.205	165	157252	10.10	ng/ul	0.00
31) 4-Chloroaniline-d4	10.716	131	214530	9.17	ng/ul	0.00
46) Dimethylphthalate-d6	13.851	166	484227	10.65	ng/ul	0.00
49) Acenaphthylene-d8	14.134	160	561106	9.96	ng/ul	0.00
54) 4-Nitrophenol-d4	14.634	143	81512	9.39	ng/ul	0.00
60) Fluorene-d10	15.445	176	413341	10.24	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.551	200	58314	9.48	ng/ul	0.00
73) Anthracene-d10	17.292	188	606338	9.62	ng/ul	0.00
81) Pyrene-d10	19.592	212	633293	10.02	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.292	264	608351	9.61	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.264	88	26023	3.97	ng/uL	99
5) Pyridine	3.658	79	169762	9.64	ng/ul	98
6) Benzaldehyde	6.917	77	142122	15.08	ng/ul	99
8) Phenol	6.969	94	203792	10.07	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.205	93	176160	10.79	ng/ul	97
12) 2-Chlorophenol	7.340	128	178887	10.64	ng/ul	96
13) 2-Methylphenol	8.222	108	152617	10.18	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.311	45	256672	11.37	ng/ul	99
16) Acetophenone	8.605	105	275948	11.18	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.587	70	132448	11.66	ng/ul	96
18) 4-Methylphenol	8.552	108	169577	10.42	ng/ul	96
19) Hexachloroethane	8.869	117	77621	10.71	ng/ul	99
22) Nitrobenzene	8.981	77	195951	10.20	ng/ul	99
23) Isophorone	9.511	82	361938	10.83	ng/ul	100
25) 2-Nitrophenol	9.693	139	89207	10.81	ng/ul	96
26) 2,4-Dimethylphenol	9.758	107	191532	10.37	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.999	93	241818	10.86	ng/ul	98
29) 2,4-Dichlorophenol	10.228	162	161722	10.17	ng/ul	98
30) Naphthalene	10.634	128	607621	10.25	ng/ul	98
32) 4-Chloroaniline	10.740	127	221978	9.49	ng/ul	96
33) Hexachlorobutadiene	10.934	225	107650	9.75	ng/ul	98
34) Caprolactam	11.522	113	44837m	9.42	ng/ul	
35) 4-Chloro-3-methylphenol	11.869	107	164056	10.83	ng/ul	99
36) 2-Methylnaphthalene	12.257	142	410476	10.50	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	402262	10.45	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.628	216	201214	9.63	ng/ul	96
40) Hexachlorocyclopentadiene	12.616	237	129248	9.37	ng/ul	95
41) 2,4,6-Trichlorophenol	12.869	196	119948	10.46	ng/ul	98
42) 2,4,5-Trichlorophenol	12.940	196	132372	9.97	ng/ul	94
43) 1,1'-Biphenyl	13.275	154	529238	10.14	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	404652	9.89	ng/ul	99
45) 2-Nitroaniline	13.516	65	97701	10.26	ng/ul	98
47) Dimethylphthalate	13.899	163	491819	10.76	ng/ul	99
48) 2,6-Dinitrotoluene	14.016	165	83440	10.16	ng/ul	92
50) Acenaphthylene	14.163	152	677832	10.32	ng/ul	99
51) 3-Nitroaniline	14.340	138	93500	10.53	ng/ul	97
52) Acenaphthene	14.510	153	440185	10.25	ng/ul	96
53) 2,4-Dinitrophenol	14.546	184	39094	10.44	ng/ul	92
55) 4-Nitrophenol	14.646	109	66080	9.94	ng/ul	100
56) Dibenzofuran	14.846	168	620644	10.58	ng/ul	99
57) 2,4-Dinitrotoluene	14.804	165	124967	10.61	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.075	232	107302	11.28	ng/ul	98
59) Diethylphthalate	15.269	149	487022	11.15	ng/ul	99
61) Fluorene	15.498	166	500478	10.56	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.493	204	234529	10.29	ng/ul	97
63) 4-Nitroaniline	15.504	138	96505	11.39	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.569	198	67348	9.87	ng/ul#	96
67) N-Nitrosodiphenylamine	15.704	169	407321	9.98	ng/ul	99
68) 4-Bromophenyl-phenylether	16.387	248	140232	9.89	ng/ul	93
69) Hexachlorobenzene	16.504	284	182264	10.37	ng/ul	98
70) Atrazine	16.657	200	129961	9.42	ng/ul	97
71) Pentachlorophenol	16.845	266	97388	9.90	ng/ul	95
72) Phenanthrene	17.240	178	760945	10.30	ng/ul	98
74) Anthracene	17.328	178	764499	10.19	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.240	216	194058	8.86	ng/uL	93
76) Pentachlorobenzene	14.769	250	206672	9.63	ng/uL	94
77) Carbazole	17.598	167	647250	9.69	ng/ul	100
78) Di-n-butylphthalate	18.169	149	767549	11.10	ng/ul	100
80) Fluoranthene	19.257	202	798386	10.73	ng/ul	98
82) Pyrene	19.622	202	833775	10.45	ng/ul	100
83) Butylbenzylphthalate	20.528	149	293888	12.29	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.351	252	200767	8.54	ng/ul	91
85) Benzo(a)anthracene	21.433	228	816179	10.47	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.363	149	453123	12.58	ng/ul	99
87) Chrysene	21.492	228	774607	10.36	ng/ul	97
89) Di-n-octyl phthalate	22.516	149	664456	10.49	ng/ul	100
90) Benzo(b)fluoranthene	23.539	252	768933	10.33	ng/ul	98
91) Benzo(k)fluoranthene	23.604	252	774249	10.25	ng/ul	99
93) Benzo(a)pyrene	24.357	252	699041	9.83	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.945	276	890057	9.68	ng/ul	99
95) Dibenzo(a,h)anthracene	28.010	278	736404	9.66	ng/ul	97
96) Benzo(g,h,i)perylene	29.009	276	722250m	9.60	ng/ul	

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

