

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062425\
 Data File : BN037367.D
 Acq On : 24 Jun 2025 09:57
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020372

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

Quant Time: Jun 24 12:53:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.557	152	84195	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	279781	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	212416	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	456082	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.198	240	504358	20.000	ng/u1	0.00
88) Perylene-d12	24.045	264	567860	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	14523	9.214	ng/uL	0.00
4) Pyridine-d5	3.469	84	92866	22.054	ng/u1	0.00
7) Phenol-d5	6.740	99	106231	21.882	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	65864	21.773	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	93236	21.665	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	84468	21.254	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	42357	20.659	ng/u1	0.00
24) 2-Nitrophenol-d4	9.434	143	50911	20.359	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	111882	20.626	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	109970	20.173	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	318360	20.318	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	355034	20.596	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	46713	20.074	ng/u1	0.00
60) Fluorene-d10	15.210	176	295939	20.899	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	61967	19.029	ng/u1	0.00
73) Anthracene-d10	17.063	188	473552	21.011	ng/u1	0.00
81) Pyrene-d10	19.363	212	557000	20.304	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.851	264	594083	20.132	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	15497	8.532	ng/uL	96
5) Pyridine	3.487	79	98370	22.587	ng/u1	96
6) Benzaldehyde	6.705	77	70278	25.370	ng/u1	95
8) Phenol	6.763	94	107877	21.703	ng/u1	93
10) Bis(2-Chloroethyl)ether	6.993	93	86581	21.819	ng/u1	98
12) 2-Chlorophenol	7.122	128	97000	22.463	ng/u1	97
13) 2-Methylphenol	8.005	108	78597	20.850	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.087	45	75685	22.679	ng/u1	99
16) Acetophenone	8.381	105	140955	21.697	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.369	70	68273	22.121	ng/u1	94
18) 4-Methylphenol	8.334	108	87056	21.357	ng/u1	95
19) Hexachloroethane	8.628	117	48721	21.538	ng/u1	96
22) Nitrobenzene	8.752	77	116575	20.974	ng/u1	96
23) Isophorone	9.281	82	178094	20.816	ng/u1	98
25) 2-Nitrophenol	9.463	139	53820	21.262	ng/u1#	88
26) 2,4-Dimethylphenol	9.528	107	103305	20.606	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.763	93	108680	21.150	ng/u1	99
29) 2,4-Dichlorophenol	9.993	162	110034	20.776	ng/u1	98
30) Naphthalene	10.387	128	293039	20.870	ng/u1	98
32) 4-Chloroaniline	10.504	127	110154	20.369	ng/u1	95
33) Hexachlorobutadiene	10.675	225	105768	18.645	ng/u1	93
34) Caprolactam	11.269	113	21607m	19.429	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	85367	20.503	ng/u1	95
36) 2-Methylnaphthalene	12.010	142	218569	20.469	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	213138	20.276	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.387	216	167318	19.090	ng/ul	99
40) Hexachlorocyclopentadiene	12.363	237	120516	17.974	ng/ul	98
41) 2,4,6-Trichlorophenol	12.634	196	96023	19.425	ng/ul	98
42) 2,4,5-Trichlorophenol	12.704	196	107796	19.399	ng/ul	99
43) 1,1'-Biphenyl	13.040	154	308275	20.296	ng/ul	99
44) 2-Chloronaphthalene	13.081	162	258749	20.652	ng/ul	97
45) 2-Nitroaniline	13.292	65	55538	21.036	ng/ul	99
47) Dimethylphthalate	13.681	163	311965	20.501	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	60110	19.766	ng/ul	98
50) Acenaphthylene	13.934	152	384612	20.838	ng/ul	99
51) 3-Nitroaniline	14.128	138	48381	20.940	ng/ul	88
52) Acenaphthene	14.281	153	259943	20.833	ng/ul	96
53) 2,4-Dinitrophenol	14.339	184	36895	17.417	ng/ul	94
55) 4-Nitrophenol	14.439	109	46738	19.668	ng/ul	92
56) Dibenzofuran	14.616	168	399385	20.688	ng/ul	100
57) 2,4-Dinitrotoluene	14.592	165	92363	20.957	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	14.845	232	91495	19.340	ng/ul#	98
59) Diethylphthalate	15.057	149	295730	20.667	ng/ul	97
61) Fluorene	15.269	166	322977	20.921	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.269	204	183133	19.163	ng/ul	99
63) 4-Nitroaniline	15.292	138	49117	22.585	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.357	198	66100	19.740	ng/ul	92
67) N-Nitrosodiphenylamine	15.486	169	273625	21.574	ng/ul	96
68) 4-Bromophenyl-phenylether	16.163	248	109800	19.566	ng/ul	91
69) Hexachlorobenzene	16.275	284	123912	19.628	ng/ul	98
70) Atrazine	16.445	200	111999	19.558	ng/ul	99
71) Pentachlorophenol	16.622	266	76946	18.308	ng/ul	98
72) Phenanthrene	17.010	178	524671	21.157	ng/ul	99
74) Anthracene	17.098	178	544792	21.675	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.004	216	163018	18.765	ng/uL	96
76) Pentachlorobenzene	14.539	250	154947	19.325	ng/uL	98
77) Carbazole	17.369	167	449001	21.642	ng/ul	99
78) Di-n-butylphthalate	17.945	149	491760	21.978	ng/ul	99
80) Fluoranthene	19.027	202	646773	20.551	ng/ul	98
82) Pyrene	19.392	202	674648	20.362	ng/ul	97
83) Butylbenzylphthalate	20.316	149	211877	21.446	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.116	252	207114	20.144	ng/ul	91
85) Benzo(a)anthracene	21.180	228	718896	21.104	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.121	149	324489	21.940	ng/ul	98
87) Chrysene	21.239	228	677042	21.400	ng/ul	99
89) Di-n-octyl phthalate	22.204	149	522059	18.617	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	705819	20.101	ng/ul	97
91) Benzo(k)fluoranthene	23.204	252	717620	20.013	ng/ul	99
93) Benzo(a)pyrene	23.910	252	674120	20.431	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.221	276	883741	19.997	ng/ul	97
95) Dibenzo(a,h)anthracene	27.274	278	719385	19.887	ng/ul	99
96) Benzo(g,h,i)perylene	28.209	276	721512	19.842	ng/ul	99

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

