

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062525\
 Data File : BN037377.D
 Acq On : 25 Jun 2025 09:38
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020374

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 10:58:39 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	111255	20.000	ng/u1	0.00
20) Naphthalene-d8	10.334	136	364408	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.216	164	274090	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	562832	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	623353	20.000	ng/u1	0.00
88) Perylene-d12	24.039	264	692547	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.063	96	18744	9.000	ng/uL	0.00
4) Pyridine-d5	3.463	84	121862	21.901	ng/u1	0.00
7) Phenol-d5	6.740	99	133217	20.767	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.899	67	86772	21.707	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	117580	20.676	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	109412	20.834	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	55305	20.710	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	67163	20.621	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	146390	20.721	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	142094	20.013	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	411183	20.337	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	460371	20.698	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	57731	19.227	ng/u1	0.00
60) Fluorene-d10	15.210	176	368044	20.142	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.339	200	77080	19.181	ng/u1	0.00
73) Anthracene-d10	17.063	188	597194	21.472	ng/u1	0.00
81) Pyrene-d10	19.369	212	689832	20.346	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.845	264	737609	20.496	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.093	88	20544	8.559	ng/uL	93
5) Pyridine	3.487	79	125747	21.850	ng/u1	95
6) Benzaldehyde	6.704	77	92811	25.355	ng/u1	96
8) Phenol	6.763	94	140043	21.322	ng/u1	91
10) Bis(2-Chloroethyl)ether	6.993	93	112527	21.460	ng/u1	97
12) 2-Chlorophenol	7.122	128	122006	21.382	ng/u1	98
13) 2-Methylphenol	8.004	108	102655	20.608	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.081	45	99917	22.658	ng/u1	97
16) Acetophenone	8.381	105	181414	21.133	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.369	70	88117	21.607	ng/u1	96
18) 4-Methylphenol	8.334	108	113208	21.018	ng/u1	99
19) Hexachloroethane	8.622	117	61596	20.607	ng/u1	98
22) Nitrobenzene	8.751	77	150555	20.797	ng/u1	95
23) Isophorone	9.275	82	237792	21.339	ng/u1	100
25) 2-Nitrophenol	9.457	139	70256	21.309	ng/u1	90
26) 2,4-Dimethylphenol	9.528	107	134482	20.595	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.763	93	148559	22.197	ng/u1	96
29) 2,4-Dichlorophenol	9.993	162	143607	20.818	ng/u1	98
30) Naphthalene	10.387	128	380858	20.825	ng/u1	97
32) 4-Chloroaniline	10.504	127	144209	20.474	ng/u1	96
33) Hexachlorobutadiene	10.675	225	134310	18.178	ng/u1	92
34) Caprolactam	11.269	113	28420m	19.621	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	113521	20.933	ng/u1	93
36) 2-Methylnaphthalene	12.010	142	288496	20.743	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	283181	20.683	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.387	216	215042	19.014	ng/ul	98
40) Hexachlorocyclopentadiene	12.369	237	156520	18.091	ng/ul	98
41) 2,4,6-Trichlorophenol	12.634	196	124810	19.567	ng/ul	99
42) 2,4,5-Trichlorophenol	12.704	196	138414	19.305	ng/ul	99
43) 1,1'-Biphenyl	13.039	154	396721	20.242	ng/ul	99
44) 2-Chloronaphthalene	13.075	162	335066	20.726	ng/ul	98
45) 2-Nitroaniline	13.292	65	71697	21.046	ng/ul	97
47) Dimethylphthalate	13.681	163	398524	20.296	ng/ul#	99
48) 2,6-Dinitrotoluene	13.798	165	78224	19.935	ng/ul	99
50) Acenaphthylene	13.934	152	501703	21.065	ng/ul	100
51) 3-Nitroaniline	14.128	138	64346	21.583	ng/ul#	93
52) Acenaphthene	14.281	153	333717	20.727	ng/ul	95
53) 2,4-Dinitrophenol	14.334	184	47018	17.201	ng/ul	95
55) 4-Nitrophenol	14.439	109	57090	18.619	ng/ul	85
56) Dibenzofuran	14.616	168	515116	20.679	ng/ul	96
57) 2,4-Dinitrotoluene	14.592	165	116725	20.526	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	14.845	232	113206	18.545	ng/ul#	98
59) Diethylphthalate	15.057	149	374141	20.263	ng/ul	99
61) Fluorene	15.269	166	414150	20.790	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.269	204	231684	18.788	ng/ul	99
63) 4-Nitroaniline	15.292	138	62229	22.176	ng/ul	84
66) 4,6-Dinitro-2-methylph...	15.357	198	80913	19.581	ng/ul	93
67) N-Nitrosodiphenylamine	15.480	169	344751	22.027	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	136723	19.743	ng/ul	97
69) Hexachlorobenzene	16.275	284	155647	19.978	ng/ul	97
70) Atrazine	16.445	200	139410	19.727	ng/ul	99
71) Pentachlorophenol	16.616	266	98489	18.990	ng/ul	99
72) Phenanthrene	17.004	178	663616	21.685	ng/ul	99
74) Anthracene	17.098	178	667591	21.523	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.998	216	214115	19.972	ng/uL	98
76) Pentachlorobenzene	14.539	250	195028	19.710	ng/uL	99
77) Carbazole	17.369	167	554597	21.662	ng/ul	98
78) Di-n-butylphthalate	17.945	149	619556	22.437	ng/ul	99
80) Fluoranthene	19.033	202	789181	20.289	ng/ul	99
82) Pyrene	19.392	202	829185	20.249	ng/ul#	96
83) Butylbenzylphthalate	20.316	149	260065	21.298	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.110	252	253546	19.953	ng/ul	94
85) Benzo(a)anthracene	21.180	228	859321	20.410	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.121	149	402749	22.033	ng/ul	99
87) Chrysene	21.239	228	807099	20.641	ng/ul	99
89) Di-n-octyl phthalate	22.204	149	638005	18.656	ng/ul	100
90) Benzo(b)fluoranthene	23.145	252	850178	19.853	ng/ul	99
91) Benzo(k)fluoranthene	23.204	252	870175m	19.899	ng/ul	
93) Benzo(a)pyrene	23.909	252	805871	20.027	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.215	276	1060434	19.675	ng/ul	98
95) Dibenzo(a,h)anthracene	27.280	278	859004	19.471	ng/ul	98
96) Benzo(g,h,i)perylene	28.215	276	876169	19.757	ng/ul	94

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

