

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062025\
 Data File : BN037341.D
 Acq On : 19 Jun 2025 11:40
 Operator : RC/JU
 Sample : SSTD01030
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD010225

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/23/2025

Supervised By :Jagrut Upadhyay 06/24/2025

Quant Time: Jun 19 14:47:33 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 19 14:36:04 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	41573	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	135706	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	107253	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.969	188	240351	20.000	ng/u1	0.00
79) Chrysene-d12	21.198	240	279727	20.000	ng/u1	0.00
88) Perylene-d12	24.051	264	323337	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.070	96	3186	3.235	ng/uL	0.00
4) Pyridine-d5	3.470	84	19596	6.621	ng/u1	0.00
7) Phenol-d5	6.740	99	22104	6.461	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	14342	5.898	ng/u1	0.00
11) 2-Chlorophenol-d4	7.099	132	21110	8.264	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	18256	6.577	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	9668	9.333	ng/u1	0.00
24) 2-Nitrophenol-d4	9.434	143	11358	10.014	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	25671	11.909	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	24436	8.252	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	76617	9.938	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	82275	9.413	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	9070	6.235	ng/u1	0.00
60) Fluorene-d10	15.216	176	69609	10.498	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.345	200	14602	9.289	ng/u1	0.00
73) Anthracene-d10	17.063	188	116448	9.954	ng/u1	0.00
81) Pyrene-d10	19.369	212	138674	9.189	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.857	264	157076	9.627	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	3930	3.588	ng/uL#	91
5) Pyridine	3.487	79	20568	6.663	ng/u1#	88
6) Benzaldehyde	6.711	77	16279	9.396	ng/u1	98
8) Phenol	6.769	94	23211	6.420	ng/u1	96
10) Bis(2-Chloroethyl)ether	6.999	93	17790	6.240	ng/u1	98
12) 2-Chlorophenol	7.128	128	21539	7.995	ng/u1	98
13) 2-Methylphenol	8.010	108	17723	6.794	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.087	45	14816m	2.803	ng/u1	
16) Acetophenone	8.381	105	31896	7.001	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.369	70	15527	6.085	ng/u1	99
18) 4-Methylphenol	8.334	108	20295	6.978	ng/u1	97
19) Hexachloroethane	8.628	117	12012	9.199	ng/u1	98
22) Nitrobenzene	8.757	77	27593	8.732	ng/u1	96
23) Isophorone	9.281	82	40561	7.734	ng/u1	95
25) 2-Nitrophenol	9.463	139	11554	9.435	ng/u1	90
26) 2,4-Dimethylphenol	9.534	107	24722	9.509	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.769	93	22972	7.432	ng/u1	96
29) 2,4-Dichlorophenol	9.993	162	26203	12.090	ng/u1	95
30) Naphthalene	10.393	128	68035	9.499	ng/u1	98
32) 4-Chloroaniline	10.510	127	24400	8.550	ng/u1	97
33) Hexachlorobutadiene	10.681	225	29094	17.862	ng/u1	95
34) Caprolactam	11.263	113	4313m	6.449	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	19138	7.895	ng/u1	98
36) 2-Methylnaphthalene	12.016	142	51167	10.164	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.240	142	50978	10.166	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.393	216	43856	13.333	ng/ul	96
40) Hexachlorocyclopentadiene	12.369	237	33568	16.278	ng/ul	97
41) 2,4,6-Trichlorophenol	12.640	196	24310	11.855	ng/ul	100
42) 2,4,5-Trichlorophenol	12.704	196	27150	12.047	ng/ul	94
43) 1,1'-Biphenyl	13.045	154	75738	9.807	ng/ul	97
44) 2-Chloronaphthalene	13.081	162	62084	10.188	ng/ul	97
45) 2-Nitroaniline	13.293	65	12119	5.259	ng/ul	92
47) Dimethylphthalate	13.681	163	74335	9.670	ng/ul	99
48) 2,6-Dinitrotoluene	13.798	165	13974	9.319	ng/ul	87
50) Acenaphthylene	13.934	152	87976	9.606	ng/ul	98
51) 3-Nitroaniline	14.128	138	9966	6.718	ng/ul	99
52) Acenaphthene	14.281	153	60939	9.085	ng/ul	95
53) 2,4-Dinitrophenol	14.340	184	7882	7.782	ng/ul	90
55) 4-Nitrophenol	14.440	109	12102	7.607	ng/ul	89
56) Dibenzofuran	14.616	168	96646	10.295	ng/ul	99
57) 2,4-Dinitrotoluene	14.592	165	20799	9.185	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.845	232	23816	12.544	ng/ul#	98
59) Diethylphthalate	15.057	149	69103	8.626	ng/ul	97
61) Fluorene	15.269	166	76784	9.963	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.275	204	49285	12.815	ng/ul	93
63) 4-Nitroaniline	15.292	138	9537	6.880	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.357	198	15510	9.199	ng/ul	95
67) N-Nitrosodiphenylamine	15.487	169	65656	9.267	ng/ul	95
68) 4-Bromophenyl-phenylether	16.169	248	29136	12.180	ng/ul	94
69) Hexachlorobenzene	16.275	284	33027	12.505	ng/ul	97
70) Atrazine	16.445	200	28342	10.330	ng/ul	98
71) Pentachlorophenol	16.622	266	19036	10.309	ng/ul	93
72) Phenanthrene	17.010	178	128783	9.633	ng/ul	100
74) Anthracene	17.098	178	130917	9.597	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.004	216	43747	12.142	ng/uL	99
76) Pentachlorobenzene	14.540	250	41606	12.737	ng/uL	95
77) Carbazole	17.375	167	103177	8.513	ng/ul	99
78) Di-n-butylphthalate	17.951	149	112267	7.438	ng/ul	99
80) Fluoranthene	19.033	202	158266	8.858	ng/ul	98
82) Pyrene	19.398	202	173313	9.032	ng/ul#	96
83) Butylbenzylphthalate	20.322	149	47699	6.201	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.116	252	51235	9.915	ng/ul	94
85) Benzo(a)anthracene	21.186	228	189185	10.138	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.127	149	72475	6.275	ng/ul	100
87) Chrysene	21.245	228	171389	9.712	ng/ul	99
89) Di-n-octyl phthalate	22.210	149	114493	4.589	ng/ul	100
90) Benzo(b)fluoranthene	23.157	252	181980	9.051	ng/ul	99
91) Benzo(k)fluoranthene	23.210	252	196022m	9.691	ng/ul	
93) Benzo(a)pyrene	23.915	252	175199	9.545	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.227	276	248502	11.968	ng/ul#	96
95) Dibenzo(a,h)anthracene	27.286	278	205391	12.203	ng/ul#	98
96) Benzo(g,h,i)perylene	28.221	276	206582	12.788	ng/ul	96

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

