

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013025\
 Data File : BN036135.D
 Acq On : 30 Jan 2025 16:25
 Operator : RC/JU
 Sample : SSTD08009
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD080249

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 17:20:13 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN013025.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jan 30 15:42:04 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	113103	20.000	ng/u1	0.00
20) Naphthalene-d8	10.593	136	451138	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.440	164	302716	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.187	188	614767	20.000	ng/u1	0.00
79) Chrysene-d12	21.439	240	533465	20.000	ng/u1	0.00
88) Perylene-d12	24.468	264	466018	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	86318	30.978	ng/uL	0.00
4) Pyridine-d5	3.670	84	626771	80.918	ng/u1	0.00
7) Phenol-d5	6.999	99	738290	86.457	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	461495	85.008	ng/u1	0.01
11) 2-Chlorophenol-d4	7.346	132	577946	85.376	ng/u1	0.00
15) 4-Methylphenol-d8	8.534	113	591974	88.820	ng/u1	0.01
21) Nitrobenzene-d5	8.958	128	286517	87.694	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	341488	108.371	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.234	165	600159	88.399	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	776639	81.858	ng/u1	0.00
46) Dimethylphthalate-d6	13.857	166	1732659	82.680	ng/u1	0.01
49) Acenaphthylene-d8	14.134	160	1972123	77.742	ng/u1	0.00
54) 4-Nitrophenol-d4	14.693	143	319105	84.924	ng/u1	0.00
60) Fluorene-d10	15.434	176	1459837	77.877	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.563	200	340141	110.403	ng/u1	0.02
73) Anthracene-d10	17.287	188	2313713	76.359	ng/u1	0.00
81) Pyrene-d10	19.586	212	2542441	89.604	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.269	264	1896299	81.940	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	91252	30.260	ng/uL	92
5) Pyridine	3.693	79	634244	80.132	ng/u1	96
6) Benzaldehyde	6.940	77	372067	72.882	ng/u1	99
8) Phenol	7.022	94	755320	83.753	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.222	93	590331	85.115	ng/u1	97
12) 2-Chlorophenol	7.375	128	580639	81.993	ng/u1	96
13) 2-Methylphenol	8.263	108	566021	87.136	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.322	45	886141	87.593	ng/u1	99
16) Acetophenone	8.622	105	943965	84.509	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.622	70	496190	93.941	ng/u1	97
18) 4-Methylphenol	8.599	108	604473	86.237	ng/u1	96
19) Hexachloroethane	8.875	117	268936	80.554	ng/u1	95
22) Nitrobenzene	8.999	77	768173	83.122	ng/u1	98
23) Isophorone	9.534	82	1381803	89.472	ng/u1	100
25) 2-Nitrophenol	9.710	139	356730	99.499	ng/u1	98
26) 2,4-Dimethylphenol	9.787	107	689969	81.569	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.010	93	794306	87.035	ng/u1	100
29) 2,4-Dichlorophenol	10.263	162	589143	84.418	ng/u1	97
30) Naphthalene	10.646	128	1858758	77.419	ng/u1	99
32) 4-Chloroaniline	10.757	127	756819	82.266	ng/u1	96
33) Hexachlorobutadiene	10.934	225	426016	73.697	ng/u1	95
34) Caprolactam	11.563	113	197295m	91.907	ng/u1	
35) 4-Chloro-3-methylphenol	11.916	107	681985	94.649	ng/u1	98
36) 2-Methylnaphthalene	12.257	142	1310606	82.571	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	1284295	81.945	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.634	216	745739	71.234	ng/ul	97
40) Hexachlorocyclopentadiene	12.616	237	440463	78.819	ng/ul	89
41) 2,4,6-Trichlorophenol	12.881	196	497661	86.986	ng/ul	93
42) 2,4,5-Trichlorophenol	12.975	196	536934	84.611	ng/ul	99
43) 1,1'-Biphenyl	13.275	154	1722093	75.356	ng/ul	97
44) 2-Chloronaphthalene	13.316	162	1379996	75.496	ng/ul	96
45) 2-Nitroaniline	13.522	65	500422	104.796	ng/ul	97
47) Dimethylphthalate	13.904	163	1744128	82.886	ng/ul	98
48) 2,6-Dinitrotoluene	14.022	165	369834	100.866	ng/ul	97
50) Acenaphthylene	14.163	152	2065921	77.087	ng/ul	99
51) 3-Nitroaniline	14.351	138	348980	87.220	ng/ul	94
52) Acenaphthene	14.510	153	1487342	76.799	ng/ul	95
53) 2,4-Dinitrophenol	14.551	184	252233	124.047	ng/ul	90
55) 4-Nitrophenol	14.710	109	335954	84.738	ng/ul	97
56) Dibenzofuran	14.845	168	2032439	76.150	ng/ul	99
57) 2,4-Dinitrotoluene	14.810	165	544726	100.172	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.075	232	450153	94.112	ng/ul	100
59) Diethylphthalate	15.275	149	1804800	87.490	ng/ul	97
61) Fluorene	15.493	166	1622529	75.926	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.487	204	833801	76.375	ng/ul	99
63) 4-Nitroaniline	15.522	138	332619	85.383	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.575	198	361657	105.369	ng/ul	98
67) N-Nitrosodiphenylamine	15.704	169	1434285	78.236	ng/ul	99
68) 4-Bromophenyl-phenylether	16.381	248	510513	79.587	ng/ul	93
69) Hexachlorobenzene	16.498	284	555200	77.142	ng/ul	95
70) Atrazine	16.663	200	568383	82.563	ng/ul	99
71) Pentachlorophenol	16.845	266	397884	89.233	ng/ul	89
72) Phenanthrene	17.228	178	2593200	74.613	ng/ul	99
74) Anthracene	17.322	178	2629219	76.015	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.240	216	746257	72.494	ng/ul	98
76) Pentachlorobenzene	14.763	250	737223	74.988	ng/ul	96
77) Carbazole	17.592	167	2322222	74.593	ng/ul	96
78) Di-n-butylphthalate	18.163	149	3045492	94.642	ng/ul	100
80) Fluoranthene	19.251	202	2967889	90.138	ng/ul	96
82) Pyrene	19.616	202	3077137	86.517	ng/ul	98
83) Butylbenzylphthalate	20.516	149	1342822	132.104	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.339	252	691828	72.347	ng/ul	99
85) Benzo(a)anthracene	21.422	228	2741968	76.957	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.345	149	1896797	125.344	ng/ul	98
87) Chrysene	21.486	228	2696288	78.573	ng/ul	98
89) Di-n-octyl phthalate	22.492	149	3143644	136.055	ng/ul	100
90) Benzo(b)fluoranthene	23.516	252	2355096	85.166	ng/ul	99
91) Benzo(k)fluoranthene	23.580	252	2394393	84.817	ng/ul	100
93) Benzo(a)pyrene	24.339	252	2120761	80.936	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.904	276	2411510m	74.528	ng/ul	
95) Dibenzo(a,h)anthracene	27.974	278	1912732m	73.816	ng/ul	
96) Benzo(g,h,i)perylene	28.980	276	1874036	73.896	ng/ul	99

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

