

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010325\
 Data File : BN035883.D
 Acq On : 03 Jan 2025 10:49
 Operator : RC/JU
 Sample : SSTD02001
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020240

Quant Time: Jan 03 12:06:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 03 12:03:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/06/2025
 Supervised By :mohammad ahmed 01/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	51780	20.000	ng/u1	0.00
20) Naphthalene-d8	10.625	136	187305	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.466	164	115255	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	226941	20.000	ng/u1	0.00
79) Chrysene-d12	21.454	240	251737	20.000	ng/u1	0.00
88) Perylene-d12	24.501	264	270914	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	10645	9.343	ng/uL	0.00
4) Pyridine-d5	3.684	84	72386	24.168	ng/u1	0.00
7) Phenol-d5	6.984	99	76559	20.812	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.154	67	49789	23.514	ng/u1	0.00
11) 2-Chlorophenol-d4	7.360	132	62015	19.995	ng/u1	0.00
15) 4-Methylphenol-d8	8.525	113	59319	19.001	ng/u1	0.00
21) Nitrobenzene-d5	8.984	128	26156	21.405	ng/u1	0.00
24) 2-Nitrophenol-d4	9.701	143	22378	16.751	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.243	165	57677	19.240	ng/u1	0.00
31) 4-Chloroaniline-d4	10.748	131	79619	21.207	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	161271	19.806	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	195282	21.353	ng/u1	0.00
54) 4-Nitrophenol-d4	14.636	143	25039	18.991	ng/u1	0.00
60) Fluorene-d10	15.460	176	144537	20.357	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.566	200	16620	14.927	ng/u1	0.00
73) Anthracene-d10	17.307	188	227042	22.366	ng/u1	0.00
81) Pyrene-d10	19.595	212	266732	20.337	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.295	264	284189	21.554	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.314	88	11854	9.290	ng/uL	100
5) Pyridine	3.708	79	74807	24.709	ng/u1	100
6) Benzaldehyde	6.966	77	57247	27.899	ng/u1	100
8) Phenol	7.007	94	82228	21.489	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.249	93	64756	21.635	ng/u1	100
12) 2-Chlorophenol	7.390	128	64643	19.992	ng/u1	100
13) 2-Methylphenol	8.266	108	58091	19.892	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.354	45	90790	32.843	ng/u1	100
16) Acetophenone	8.649	105	102327	20.502	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.637	70	48725	20.337	ng/u1	100
18) 4-Methylphenol	8.590	108	62163	19.405	ng/u1	100
19) Hexachloroethane	8.919	117	30633	21.684	ng/u1	100
22) Nitrobenzene	9.025	77	76035	24.028	ng/u1	100
23) Isophorone	9.548	82	129145	21.149	ng/u1	100
25) 2-Nitrophenol	9.737	139	28961	18.809	ng/u1	100
26) 2,4-Dimethylphenol	9.796	107	69909	21.736	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.037	93	78211	20.933	ng/u1	100
29) 2,4-Dichlorophenol	10.266	162	59174	19.423	ng/u1	100
30) Naphthalene	10.678	128	207251	21.532	ng/u1	100
32) 4-Chloroaniline	10.778	127	75779	21.108	ng/u1	100
33) Hexachlorobutadiene	10.978	225	48732	21.814	ng/u1	100
34) Caprolactam	11.519	113	15588m	18.060	ng/u1	100
35) 4-Chloro-3-methylphenol	11.895	107	59513	18.890	ng/u1	100
36) 2-Methylnaphthalene	12.290	142	136647	19.638	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.507	142	133647	18.865	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.660	216	80523	23.064	ng/ul	100
40) Hexachlorocyclopentadiene	12.648	237	41313	23.436	ng/ul	100
41) 2,4,6-Trichlorophenol	12.895	196	42566	19.695	ng/ul	100
42) 2,4,5-Trichlorophenol	12.960	196	48131	19.946	ng/ul	100
43) 1,1'-Biphenyl	13.301	154	170783	21.294	ng/ul	100
44) 2-Chloronaphthalene	13.342	162	141131	21.945	ng/ul	100
45) 2-Nitroaniline	13.531	65	33255	25.293	ng/ul	100
47) Dimethylphthalate	13.925	163	163869	20.031	ng/ul	100
48) 2,6-Dinitrotoluene	14.031	165	25522	19.120	ng/ul	100
50) Acenaphthylene	14.189	152	210167	21.559	ng/ul	100
51) 3-Nitroaniline	14.354	138	28217	20.167	ng/ul	100
52) Acenaphthene	14.531	153	146890	21.017	ng/ul	100
53) 2,4-Dinitrophenol	14.560	184	9737	11.085	ng/ul	100
55) 4-Nitrophenol	14.654	109	28872	22.220	ng/ul	100
56) Dibenzofuran	14.866	168	207133	20.903	ng/ul	100
57) 2,4-Dinitrotoluene	14.813	165	38995	18.627	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.089	232	36407	17.767	ng/ul	100
59) Diethylphthalate	15.295	149	157750	19.847	ng/ul	100
61) Fluorene	15.513	166	170049	21.243	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.513	204	84070	20.634	ng/ul	100
63) 4-Nitroaniline	15.513	138	31153	22.701	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.578	198	19438	16.043	ng/ul	100
67) N-Nitrosodiphenylamine	15.719	169	139137	22.694	ng/ul	100
68) 4-Bromophenyl-phenylether	16.407	248	48264	21.116	ng/ul	100
69) Hexachlorobenzene	16.519	284	55966	20.734	ng/ul	100
70) Atrazine	16.672	200	49530	22.962	ng/ul	100
71) Pentachlorophenol	16.854	266	30312	18.369	ng/ul	100
72) Phenanthrene	17.248	178	260134	22.001	ng/ul	100
74) Anthracene	17.342	178	266794	22.276	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.266	216	77254	24.601	ng/ul	100
76) Pentachlorobenzene	14.784	250	73021	22.998	ng/ul	100
77) Carbazole	17.601	167	233826	23.626	ng/ul	100
78) Di-n-butylphthalate	18.189	149	235259	20.780	ng/ul	100
80) Fluoranthene	19.266	202	306744	20.000	ng/ul	100
82) Pyrene	19.624	202	343071	20.563	ng/ul	100
83) Butylbenzylphthalate	20.536	149	75500	16.847	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.354	252	86687	19.968	ng/ul	100
85) Benzo(a)anthracene	21.436	228	335352	20.042	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.383	149	118076	16.790	ng/ul	100
87) Chrysene	21.495	228	330046	20.468	ng/ul	100
89) Di-n-octyl phthalate	22.548	149	189120	16.067	ng/ul	100
90) Benzo(b)fluoranthene	23.536	252	336157	21.579	ng/ul	100
91) Benzo(k)fluoranthene	23.601	252	329434	20.718	ng/ul	100
93) Benzo(a)pyrene	24.359	252	323399	21.895	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.942	276	400317	22.442	ng/ul	100
95) Dibenzo(a,h)anthracene	28.012	278	327313	22.698	ng/ul	100
96) Benzo(g,h,i)perylene	29.018	276	315144m	23.042	ng/ul	

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

