

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060824\
 Data File : BN031870.D
 Acq On : 08 Jun 2024 23:04
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020282

Quant Time: Jun 10 06:39:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 15:13:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	395912	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.451	136	1761328	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.316	164	1096860	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2113359	20.000	ng/u1	0.00
79) Chrysene-d12	21.298	240	1400139	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1508969	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	62454	6.526	ng/uL	-0.01
4) Pyridine-d5	3.587	84	483464	17.947	ng/u1	-0.01
7) Phenol-d5	6.846	99	654103	19.272	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	354467	17.855	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.204	132	516229	19.934	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	531359	19.206	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	270414	20.080	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	291292	20.939	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	528048	20.332	ng/u1	0.00
31) 4-Chloroaniline-d4	10.593	131	729296	18.913	ng/u1	-0.02
46) Dimethylphthalate-d6	13.728	166	1438652	18.827	ng/u1	-0.02
49) Acenaphthylene-d8	14.004	160	1759146	20.021	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.534	143	280140	18.310	ng/u1	0.00
60) Fluorene-d10	15.310	176	1259664	19.483	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.439	200	184486	17.367	ng/u1	0.00
73) Anthracene-d10	17.163	188	1830282	20.229	ng/u1	0.00
81) Pyrene-d10	19.463	212	1720572	22.964	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1413327	19.615	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.216	88	69280	6.766	ng/uL	98
5) Pyridine	3.605	79	474930	17.632	ng/u1	96
6) Benzaldehyde	6.822	77	294911	18.525	ng/u1	98
8) Phenol	6.875	94	666772	19.303	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.104	93	522247	18.285	ng/u1	96
12) 2-Chlorophenol	7.234	128	535008	19.741	ng/u1	99
13) 2-Methylphenol	8.116	108	515336	19.316	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.193	45	608817	18.517	ng/u1	99
16) Acetophenone	8.493	105	798020	19.033	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.481	70	384448	17.694	ng/u1	96
18) 4-Methylphenol	8.446	108	558849	19.324	ng/u1	100
19) Hexachloroethane	8.734	117	210170	18.313	ng/u1	97
22) Nitrobenzene	8.869	77	610662	19.032	ng/u1	98
23) Isophorone	9.393	82	1135476	17.251	ng/u1	98
25) 2-Nitrophenol	9.575	139	310969	20.460	ng/u1	97
26) 2,4-Dimethylphenol	9.640	107	564624	19.096	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.875	93	708438	17.270	ng/u1	99
29) 2,4-Dichlorophenol	10.104	162	509271	19.860	ng/u1	97
30) Naphthalene	10.504	128	1758746	19.294	ng/u1	99
32) 4-Chloroaniline	10.622	127	715488	19.112	ng/u1	100
33) Hexachlorobutadiene	10.781	225	305532	19.838	ng/u1	97
34) Caprolactam	11.404	113	176520m	17.635	ng/u1	
35) 4-Chloro-3-methylphenol	11.751	107	574720	19.174	ng/u1	98
36) 2-Methylnaphthalene	12.122	142	1207313	19.377	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.340	142	1208394	19.329	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.492	216	605464	20.872	ng/ul	99
40) Hexachlorocyclopentadiene	12.463	237	144668	8.653	ng/ul	91
41) 2,4,6-Trichlorophenol	12.740	196	411364	20.893	ng/ul	99
42) 2,4,5-Trichlorophenol	12.816	196	451504	21.102	ng/ul	97
43) 1,1'-Biphenyl	13.145	154	1520058	19.702	ng/ul	96
44) 2-Chloronaphthalene	13.187	162	1225454	20.280	ng/ul	99
45) 2-Nitroaniline	13.398	65	348639	19.904	ng/ul	90
47) Dimethylphthalate	13.781	163	1461265	18.698	ng/ul	99
48) 2,6-Dinitrotoluene	13.904	165	318701	20.516	ng/ul	96
50) Acenaphthylene	14.034	152	2011810	20.260	ng/ul	99
51) 3-Nitroaniline	14.228	138	348832	21.003	ng/ul	98
52) Acenaphthene	14.381	153	1312210	19.972	ng/ul	99
53) 2,4-Dinitrophenol	14.445	184	112441	14.338	ng/ul	97
55) 4-Nitrophenol	14.545	109	211430	18.629	ng/ul	96
56) Dibenzofuran	14.716	168	1774591	19.880	ng/ul	100
57) 2,4-Dinitrotoluene	14.692	165	453663	19.903	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.945	232	356999	19.947	ng/ul	100
59) Diethylphthalate	15.145	149	1454783	18.040	ng/ul	99
61) Fluorene	15.369	166	1423731	19.806	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.363	204	684109	19.649	ng/ul	96
63) 4-Nitroaniline	15.398	138	337824	21.367	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.457	198	201782	17.868	ng/ul	100
67) N-Nitrosodiphenylamine	15.581	169	1248846	21.438	ng/ul	98
68) 4-Bromophenyl-phenylether	16.257	248	438506	21.415	ng/ul	95
69) Hexachlorobenzene	16.363	284	484760	20.888	ng/ul	97
70) Atrazine	16.533	200	345366	18.777	ng/ul	98
71) Pentachlorophenol	16.716	266	281818	18.980	ng/ul#	84
72) Phenanthrene	17.104	178	2173424	20.188	ng/ul	99
74) Anthracene	17.198	178	2211498	20.273	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.104	216	607111	22.319	ng/ul	96
76) Pentachlorobenzene	14.634	250	569236	21.485	ng/ul	96
77) Carbazole	17.469	167	1935848	20.812	ng/ul	98
78) Di-n-butylphthalate	18.033	149	2547761	19.909	ng/ul	100
80) Fluoranthene	19.127	202	2133679	23.829	ng/ul	97
82) Pyrene	19.492	202	2101129	22.871	ng/ul	97
83) Butylbenzylphthalate	20.398	149	953442	21.973	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.210	252	503863	18.766	ng/ul	93
85) Benzo(a)anthracene	21.280	228	1842659	19.662	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.204	149	1383550	21.874	ng/ul	96
87) Chrysene	21.339	228	1687858	19.281	ng/ul	97
89) Di-n-octyl phthalate	22.315	149	2154288	21.325	ng/ul	100
90) Benzo(b)fluoranthene	23.304	252	1706068	18.915	ng/ul	98
91) Benzo(k)fluoranthene	23.368	252	1752784	19.804	ng/ul	99
93) Benzo(a)pyrene	24.098	252	1675796	19.838	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.545	276	1980360	20.344	ng/ul	99
95) Dibenzo(a,h)anthracene	27.598	278	1630709m	20.519	ng/ul	
96) Benzo(g,h,i)perylene	28.580	276	1590082	20.549	ng/ul	97

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

