

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052024\
 Data File : BN031570.D
 Acq On : 20 May 2024 13:41
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020252

Quant Time: May 20 14:24:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN051524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 15 02:37:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.693	152	532968	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	2397559	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1518680	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.074	188	2784394	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1853589	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1802059	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	104832	8.101	ng/uL	0.00
4) Pyridine-d5	3.599	84	776923	19.638	ng/u1	0.00
7) Phenol-d5	6.857	99	925252	20.455	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	608969	20.565	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	675556	21.788	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	713251	20.535	ng/u1	0.00
21) Nitrobenzene-d5	8.845	128	346368	21.920	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	286313	24.010	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.092	165	658760	22.236	ng/u1	0.00
31) 4-Chloroaniline-d4	10.616	131	1030986	19.565	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	1981489	20.628	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2400404	20.453	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	346745	18.821	ng/u1	0.00
60) Fluorene-d10	15.322	176	1706050	19.420	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	200019	20.063	ng/u1	0.00
73) Anthracene-d10	17.174	188	2469614	20.743	ng/u1	0.00
81) Pyrene-d10	19.468	212	2437800	26.490	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1654628	20.687	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	115864	8.390	ng/uL	96
5) Pyridine	3.622	79	808181	20.361	ng/u1	97
6) Benzaldehyde	6.840	77	546994	23.638	ng/u1	98
8) Phenol	6.881	94	964223	20.182	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.128	93	826124	20.654	ng/u1	95
12) 2-Chlorophenol	7.257	128	724892	21.446	ng/u1	98
13) 2-Methylphenol	8.128	108	726696	20.805	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.216	45	1056218	20.333	ng/u1	99
16) Acetophenone	8.510	105	1220123	20.670	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.498	70	621400	21.238	ng/u1	97
18) 4-Methylphenol	8.457	108	778570	20.675	ng/u1	98
19) Hexachloroethane	8.763	117	316643	20.592	ng/u1	99
22) Nitrobenzene	8.893	77	912770	20.690	ng/u1	95
23) Isophorone	9.410	82	1775284	21.207	ng/u1	98
25) 2-Nitrophenol	9.592	139	346816	24.735	ng/u1	96
26) 2,4-Dimethylphenol	9.651	107	797235	21.197	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.898	93	1116280	20.607	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	658645	21.874	ng/u1	97
30) Naphthalene	10.528	128	2539349	20.308	ng/u1	99
32) 4-Chloroaniline	10.634	127	1024287	19.729	ng/u1	98
33) Hexachlorobutadiene	10.810	225	408000	20.317	ng/u1	94
34) Caprolactam	11.398	113	220344m	19.354	ng/u1	
35) 4-Chloro-3-methylphenol	11.757	107	757776	21.704	ng/u1	98
36) 2-Methylnaphthalene	12.139	142	1691928	20.806	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	1704439	20.686	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.510	216	830314	20.799	ng/ul	98
40) Hexachlorocyclopentadiene	12.492	237	432593	19.909	ng/ul	95
41) 2,4,6-Trichlorophenol	12.751	196	472631	22.691	ng/ul	97
42) 2,4,5-Trichlorophenol	12.822	196	533679	21.917	ng/ul	98
43) 1,1'-Biphenyl	13.163	154	2156650	20.115	ng/ul	99
44) 2-Chloronaphthalene	13.204	162	1697764	20.171	ng/ul	99
45) 2-Nitroaniline	13.410	65	470767	21.735	ng/ul	91
47) Dimethylphthalate	13.792	163	2024097	20.090	ng/ul	100
48) 2,6-Dinitrotoluene	13.910	165	380510	22.170	ng/ul	100
50) Acenaphthylene	14.051	152	2814834	20.388	ng/ul	99
51) 3-Nitroaniline	14.239	138	427098	21.244	ng/ul#	91
52) Acenaphthene	14.392	153	1812158	19.574	ng/ul	96
53) 2,4-Dinitrophenol	14.439	184	131768	18.024	ng/ul	95
55) 4-Nitrophenol	14.539	109	277292	18.630	ng/ul	96
56) Dibenzofuran	14.733	168	2502769	19.951	ng/ul	96
57) 2,4-Dinitrotoluene	14.692	165	553111	22.259	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	14.951	232	386774	21.925	ng/ul	94
59) Diethylphthalate	15.163	149	2012014	19.922	ng/ul	99
61) Fluorene	15.380	166	2037618	19.790	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.380	204	973195	19.807	ng/ul	97
63) 4-Nitroaniline	15.404	138	408216	20.141	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.457	198	221716	20.105	ng/ul	94
67) N-Nitrosodiphenylamine	15.592	169	1647341	21.817	ng/ul	97
68) 4-Bromophenyl-phenylether	16.274	248	578167	22.855	ng/ul	97
69) Hexachlorobenzene	16.374	284	631501	21.408	ng/ul	98
70) Atrazine	16.545	200	458592	20.604	ng/ul	98
71) Pentachlorophenol	16.722	266	306595	20.495	ng/ul	93
72) Phenanthrene	17.116	178	2993929	20.524	ng/ul	99
74) Anthracene	17.210	178	2995912	20.368	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	821765	23.337	ng/uL	99
76) Pentachlorobenzene	14.645	250	776235	22.769	ng/uL	91
77) Carbazole	17.480	167	2632436	19.881	ng/ul	99
78) Di-n-butylphthalate	18.051	149	3081565	21.114	ng/ul	99
80) Fluoranthene	19.133	202	2978473	27.441	ng/ul	100
82) Pyrene	19.498	202	3063634	26.061	ng/ul	99
83) Butylbenzylphthalate	20.410	149	948668	25.596	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.215	252	676514	19.804	ng/ul	99
85) Benzo(a)anthracene	21.286	228	2498783	20.508	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.227	149	1373797	22.559	ng/ul	97
87) Chrysene	21.345	228	2339075	20.530	ng/ul	99
89) Di-n-octyl phthalate	22.345	149	1866690	20.787	ng/ul	100
90) Benzo(b)fluoranthene	23.315	252	2101205	20.574	ng/ul	94
91) Benzo(k)fluoranthene	23.374	252	2256676	21.620	ng/ul	98
93) Benzo(a)pyrene	24.098	252	2036066	20.560	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.539	276	2346598	21.025	ng/ul	95
95) Dibenzo(a,h)anthracene	27.603	278	1987627	20.906	ng/ul	94
96) Benzo(g,h,i)perylene	28.556	276	1925335m	21.362	ng/ul	

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

