

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060624\
 Data File : BN031823.D
 Acq On : 06 Jun 2024 17:53
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020277

Quant Time: Jun 06 18:45:03 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 :Jagrut Upadhyay 06/07/2024
 Supervised By :mohammad ahmed 06/08/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	467120	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.457	136	1994521	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.316	164	1210585	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.063	188	2492932	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2110332	20.000	ng/u1	0.00
88) Perylene-d12	24.233	264	1805240	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	90113	7.981	ng/uL	-0.01
4) Pyridine-d5	3.587	84	637625	20.061	ng/u1	-0.01
7) Phenol-d5	6.846	99	824389	20.586	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.010	67	456543	19.491	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.205	132	630909	20.648	ng/u1	-0.01
15) 4-Methylphenol-d8	8.381	113	642040	19.669	ng/u1	0.00
21) Nitrobenzene-d5	8.828	128	323226	21.195	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.546	143	338783	21.506	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.081	165	602405	20.483	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	865601	19.823	ng/u1	-0.01
46) Dimethylphthalate-d6	13.734	166	1625640	19.276	ng/u1	-0.01
49) Acenaphthylene-d8	14.010	160	2001000	20.634	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	355545	21.056	ng/u1	0.00
60) Fluorene-d10	15.310	176	1431974	20.067	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.439	200	258659	20.642	ng/u1	0.00
73) Anthracene-d10	17.163	188	2221794	20.817	ng/u1	0.00
81) Pyrene-d10	19.463	212	2554712	22.622	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	1755245	20.362	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.217	88	94583	7.829	ng/uL	99
5) Pyridine	3.605	79	638582	20.094	ng/u1	99
6) Benzaldehyde	6.822	77	359142	19.121	ng/u1	98
8) Phenol	6.869	94	831025	20.391	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.105	93	669122	19.856	ng/u1	98
12) 2-Chlorophenol	7.234	128	662542	20.721	ng/u1	99
13) 2-Methylphenol	8.116	108	627564	19.937	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.193	45	732411	18.880	ng/u1	98
16) Acetophenone	8.493	105	985051	19.912	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.481	70	470390	18.349	ng/u1	98
18) 4-Methylphenol	8.440	108	677412	19.853	ng/u1	99
19) Hexachloroethane	8.740	117	275178	20.323	ng/u1	95
22) Nitrobenzene	8.869	77	742718	20.442	ng/u1	99
23) Isophorone	9.393	82	1382527	18.549	ng/u1	100
25) 2-Nitrophenol	9.575	139	363826	21.139	ng/u1	98
26) 2,4-Dimethylphenol	9.640	107	657513	19.638	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.875	93	878405	18.910	ng/u1	100
29) 2,4-Dichlorophenol	10.104	162	588158	20.254	ng/u1	99
30) Naphthalene	10.504	128	2099912	20.343	ng/u1	99
32) 4-Chloroaniline	10.622	127	845374	19.941	ng/u1	100
33) Hexachlorobutadiene	10.781	225	355606	20.390	ng/u1	97
34) Caprolactam	11.398	113	217858m	19.221	ng/u1	
35) 4-Chloro-3-methylphenol	11.751	107	669940	19.738	ng/u1	98
36) 2-Methylnaphthalene	12.122	142	1384485	19.622	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.345	142	1384594	19.558	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.493	216	666426	20.815	ng/ul	97
40) Hexachlorocyclopentadiene	12.463	237	404503	21.922	ng/ul	97
41) 2,4,6-Trichlorophenol	12.740	196	457293	21.044	ng/ul	99
42) 2,4,5-Trichlorophenol	12.810	196	495513	20.984	ng/ul	97
43) 1,1'-Biphenyl	13.145	154	1761114	20.682	ng/ul	99
44) 2-Chloronaphthalene	13.187	162	1391569	20.865	ng/ul	99
45) 2-Nitroaniline	13.398	65	400681	20.726	ng/ul	92
47) Dimethylphthalate	13.781	163	1709813	19.824	ng/ul	99
48) 2,6-Dinitrotoluene	13.904	165	354562	20.681	ng/ul	97
50) Acenaphthylene	14.034	152	2262636	20.645	ng/ul	100
51) 3-Nitroaniline	14.228	138	378604	20.654	ng/ul	96
52) Acenaphthene	14.381	153	1503800	20.738	ng/ul	99
53) 2,4-Dinitrophenol	14.440	184	227905	26.331	ng/ul	97
55) 4-Nitrophenol	14.540	109	286494	22.871	ng/ul	96
56) Dibenzofuran	14.716	168	2001034	20.311	ng/ul	99
57) 2,4-Dinitrotoluene	14.692	165	516844	20.545	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.945	232	414378	20.978	ng/ul	98
59) Diethylphthalate	15.145	149	1716270	19.284	ng/ul	99
61) Fluorene	15.369	166	1640461	20.677	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.363	204	786567	20.469	ng/ul	99
63) 4-Nitroaniline	15.392	138	367170	21.041	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.451	198	282166	21.182	ng/ul#	95
67) N-Nitrosodiphenylamine	15.581	169	1397094	20.332	ng/ul	97
68) 4-Bromophenyl-phenylether	16.257	248	487353	20.177	ng/ul	98
69) Hexachlorobenzene	16.363	284	539921	19.722	ng/ul	99
70) Atrazine	16.534	200	412195	18.998	ng/ul	96
71) Pentachlorophenol	16.710	266	357476	20.410	ng/ul	93
72) Phenanthrene	17.104	178	2628292	20.696	ng/ul	99
74) Anthracene	17.198	178	2694659	20.941	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.104	216	663549	20.680	ng/ul	99
76) Pentachlorobenzene	14.634	250	643240	20.581	ng/ul	97
77) Carbazole	17.469	167	2503753	22.819	ng/ul	97
78) Di-n-butylphthalate	18.039	149	3022508	20.022	ng/ul	100
80) Fluoranthene	19.128	202	3084351	22.854	ng/ul	100
82) Pyrene	19.492	202	3192637	23.057	ng/ul	100
83) Butylbenzylphthalate	20.398	149	1421555	21.736	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.210	252	843203	20.836	ng/ul	96
85) Benzo(a)anthracene	21.286	228	2856260	20.221	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.210	149	2009768	21.081	ng/ul	99
87) Chrysene	21.345	228	2599796	19.704	ng/ul	95
89) Di-n-octyl phthalate	22.327	149	3424244	28.333	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	2261777	20.961	ng/ul	99
91) Benzo(k)fluoranthene	23.374	252	2219589	20.963	ng/ul	98
93) Benzo(a)pyrene	24.104	252	2058185	20.366	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.545	276	2354516	20.218	ng/ul	99
95) Dibenzo(a,h)anthracene	27.592	278	1960151	20.616	ng/ul	98
96) Benzo(g,h,i)perylene	28.580	276	1961529	21.189	ng/ul	97

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

