

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052924\
 Data File : BN031687.D
 Acq On : 29 May 2024 12:39
 Operator : MA/JU
 Sample : SSTD02070
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020205

Quant Time: May 29 13:31:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 13:30:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024
 Supervised By :mohammad ahmed 05/31/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	537524	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	2440377	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1623905	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.069	188	3447797	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	3173437	20.000	ng/u1	0.00
88) Perylene-d12	24.245	264	3575768	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	110742	8.165	ng/uL	0.00
4) Pyridine-d5	3.599	84	804138	21.156	ng/u1	0.00
7) Phenol-d5	6.852	99	991037	21.923	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	594067	21.980	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	751420	21.617	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	812589	22.779	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	399749	21.276	ng/u1	0.00
24) 2-Nitrophenol-d4	9.558	143	411446	22.477	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	774099	21.831	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	1170767	22.660	ng/u1	0.00
46) Dimethylphthalate-d6	13.746	166	2383366	22.390	ng/u1	0.00
49) Acenaphthylene-d8	14.016	160	2769203	21.303	ng/u1	0.00
54) 4-Nitrophenol-d4	14.528	143	485359	23.471	ng/u1	0.00
60) Fluorene-d10	15.322	176	2037737	22.255	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	337819	21.193	ng/u1	0.00
73) Anthracene-d10	17.169	188	3170118	21.390	ng/u1	0.00
81) Pyrene-d10	19.469	212	3627854	18.188	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.039	264	3481503	20.432	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.228	88	117734	8.253	ng/uL	100
5) Pyridine	3.617	79	801033	21.361	ng/u1	100
6) Benzaldehyde	6.834	77	543928	23.591	ng/u1	100
8) Phenol	6.881	94	1015241	21.931	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.116	93	854356	22.173	ng/u1	100
12) 2-Chlorophenol	7.252	128	785406	21.551	ng/u1	100
13) 2-Methylphenol	8.122	108	788946	22.420	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.216	45	995619	22.323	ng/u1	100
16) Acetophenone	8.505	105	1291552	23.291	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.493	70	648946	22.638	ng/u1	100
18) 4-Methylphenol	8.452	108	858411	22.824	ng/u1	100
19) Hexachloroethane	8.758	117	334187	21.512	ng/u1	100
22) Nitrobenzene	8.881	77	952457	20.870	ng/u1	100
23) Isophorone	9.405	82	1959064	21.990	ng/u1	100
25) 2-Nitrophenol	9.587	139	451963	22.328	ng/u1	100
26) 2,4-Dimethylphenol	9.646	107	884028	21.556	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.893	93	1213941	21.559	ng/u1	100
29) 2,4-Dichlorophenol	10.116	162	756767	21.640	ng/u1	100
30) Naphthalene	10.516	128	2687130	21.125	ng/u1	100
32) 4-Chloroaniline	10.628	127	1146831	22.800	ng/u1	100
33) Hexachlorobutadiene	10.799	225	447134	21.165	ng/u1	100
34) Caprolactam	11.399	113	297323m	24.458	ng/u1	
35) 4-Chloro-3-methylphenol	11.752	107	892599	22.872	ng/u1	100
36) 2-Methylnaphthalene	12.134	142	1850131	21.858	ng/u1	100

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Manual Integrations

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 Supervised By :mohammad ahmed 05/31/2024

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.357	142	1856987	22.040	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.504	216	904373	19.829	ng/ul	100
40) Hexachlorocyclopentadiene	12.481	237	499890	18.464	ng/ul	100
41) 2,4,6-Trichlorophenol	12.746	196	610797	21.150	ng/ul	100
42) 2,4,5-Trichlorophenol	12.816	196	679341	21.646	ng/ul	100
43) 1,1'-Biphenyl	13.157	154	2397799	20.477	ng/ul	100
44) 2-Chloronaphthalene	13.198	162	1877499	20.281	ng/ul	100
45) 2-Nitroaniline	13.404	65	552757	22.104	ng/ul	100
47) Dimethylphthalate	13.793	163	2445320	22.484	ng/ul	100
48) 2,6-Dinitrotoluene	13.910	165	488014	23.214	ng/ul	100
50) Acenaphthylene	14.046	152	3162338	21.138	ng/ul	100
51) 3-Nitroaniline	14.234	138	544639	22.970	ng/ul	100
52) Acenaphthene	14.387	153	2056143	21.094	ng/ul	100
53) 2,4-Dinitrophenol	14.440	184	211210	21.254	ng/ul	100
55) 4-Nitrophenol	14.540	109	360594	23.288	ng/ul	100
56) Dibenzofuran	14.728	168	2800287	21.469	ng/ul	100
57) 2,4-Dinitrotoluene	14.693	165	732936	25.352	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.951	232	560958	23.682	ng/ul	100
59) Diethylphthalate	15.157	149	2546725	24.222	ng/ul	100
61) Fluorene	15.375	166	2297952	22.323	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.375	204	1132566	22.645	ng/ul	100
63) 4-Nitroaniline	15.398	138	537523	24.826	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.457	198	365987	21.146	ng/ul	100
67) N-Nitrosodiphenylamine	15.587	169	1997921	19.743	ng/ul	100
68) 4-Bromophenyl-phenylether	16.269	248	688602	19.904	ng/ul	100
69) Hexachlorobenzene	16.369	284	788086	20.735	ng/ul	100
70) Atrazine	16.545	200	640914	22.410	ng/ul	100
71) Pentachlorophenol	16.716	266	520592	23.006	ng/ul	100
72) Phenanthrene	17.116	178	3702102	20.996	ng/ul	100
74) Anthracene	17.204	178	3789163	21.309	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.116	216	912367	17.484	ng/ul	100
76) Pentachlorobenzene	14.640	250	904714	18.595	ng/ul	100
77) Carbazole	17.475	167	3491441	22.783	ng/ul	100
78) Di-n-butylphthalate	18.045	149	4657111	25.328	ng/ul	100
80) Fluoranthene	19.133	202	4389192	17.762	ng/ul	100
82) Pyrene	19.492	202	4546634	18.077	ng/ul	100
83) Butylbenzylphthalate	20.404	149	2119624	23.213	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.216	252	1448477	22.923	ng/ul	100
85) Benzo(a)anthracene	21.286	228	4446610	20.604	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.222	149	3170273	25.156	ng/ul	100
87) Chrysene	21.351	228	4290035	21.304	ng/ul	100
89) Di-n-octyl phthalate	22.339	149	5411369	24.598	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	4497296	21.088	ng/ul	100
91) Benzo(k)fluoranthene	23.374	252	4376987	20.425	ng/ul	100
93) Benzo(a)pyrene	24.104	252	4148960	20.557	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.533	276	4737541	19.764	ng/ul	100
95) Dibenzo(a,h)anthracene	27.604	278	3872319m	19.651	ng/ul	
96) Benzo(g,h,i)perylene	28.568	276	3793991	19.329	ng/ul	100

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

