

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042224\
 Data File : BN031160.D
 Acq On : 23 Apr 2024 18:57
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020376

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/24/2024
 Supervised By :mohammad ahmed 04/24/2024

Quant Time: Apr 23 23:21:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:56:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	147995	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.410	136	677614	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	457640	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.028	188	1041357	20.000	ng/u1	0.00
79) Chrysene-d12	21.263	240	1158561	20.000	ng/u1	0.00
88) Perylene-d12	24.162	264	1334950	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	25442	8.032	ng/uL	0.00
4) Pyridine-d5	3.552	84	180841	19.823	ng/u1	0.00
7) Phenol-d5	6.805	99	253164	20.278	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.975	67	146258	20.136	ng/u1	0.00
11) 2-Chlorophenol-d4	7.163	132	200205	20.596	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	210591	20.058	ng/u1	0.00
21) Nitrobenzene-d5	8.787	128	103116	21.180	ng/u1	0.00
24) 2-Nitrophenol-d4	9.504	143	109098	21.557	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.034	165	212022	21.245	ng/u1	0.00
31) 4-Chloroaniline-d4	10.557	131	319389	20.479	ng/u1	0.00
46) Dimethylphthalate-d6	13.692	166	647716	20.339	ng/u1	0.00
49) Acenaphthylene-d8	13.969	160	774942	21.474	ng/u1	0.00
54) 4-Nitrophenol-d4	14.492	143	133781	20.127	ng/u1	0.00
60) Fluorene-d10	15.275	176	571874	20.628	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.398	200	99131	18.868	ng/u1	0.00
73) Anthracene-d10	17.128	188	951082	21.071	ng/u1	0.00
81) Pyrene-d10	19.427	212	1186646	20.844	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	1386579	21.903	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	26694	7.952	ng/uL	91
5) Pyridine	3.569	79	186595	20.269	ng/u1	97
6) Benzaldehyde	6.781	77	149655	24.413	ng/u1	98
8) Phenol	6.834	94	260023	20.202	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.063	93	209144	20.594	ng/u1	97
12) 2-Chlorophenol	7.193	128	213317	21.112	ng/u1	98
13) 2-Methylphenol	8.075	108	200887	20.140	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.157	45	274166	20.706	ng/u1	100
16) Acetophenone	8.452	105	329651	20.265	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.440	70	159528	19.675	ng/u1	97
18) 4-Methylphenol	8.399	108	222105	19.879	ng/u1	100
19) Hexachloroethane	8.699	117	87657	20.907	ng/u1	99
22) Nitrobenzene	8.828	77	245703	21.383	ng/u1	100
23) Isophorone	9.351	82	473647	20.198	ng/u1	99
25) 2-Nitrophenol	9.534	139	121994	21.788	ng/u1	94
26) 2,4-Dimethylphenol	9.598	107	237339	20.784	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.834	93	293127	20.580	ng/u1	98
29) 2,4-Dichlorophenol	10.063	162	209461	21.013	ng/u1	98
30) Naphthalene	10.463	128	737505	21.001	ng/u1	99
32) 4-Chloroaniline	10.581	127	310435	20.486	ng/u1	100
33) Hexachlorobutadiene	10.740	225	123775	20.369	ng/u1	95
34) Caprolactam	11.357	113	73493	18.713	ng/u1	99
35) 4-Chloro-3-methylphenol	11.710	107	237767	20.573	ng/u1	95
36) 2-Methylnaphthalene	12.081	142	506622	20.457	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.304	142	516032	20.593	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.451	216	259713	21.688	ng/ul	99
40) Hexachlorocyclopentadiene	12.428	237	113353	17.232	ng/ul	97
41) 2,4,6-Trichlorophenol	12.698	196	170287	21.364	ng/ul	94
42) 2,4,5-Trichlorophenol	12.769	196	192298	21.760	ng/ul	99
43) 1,1'-Biphenyl	13.110	154	667714	21.214	ng/ul	99
44) 2-Chloronaphthalene	13.145	162	534047	21.234	ng/ul	97
45) 2-Nitroaniline	13.363	65	151678	21.845	ng/ul	98
47) Dimethylphthalate	13.739	163	657299	20.007	ng/ul	100
48) 2,6-Dinitrotoluene	13.863	165	131126	21.262	ng/ul	95
50) Acenaphthylene	13.998	152	882896	20.944	ng/ul	100
51) 3-Nitroaniline	14.192	138	151079	21.339	ng/ul	97
52) Acenaphthene	14.339	153	583831	20.892	ng/ul	98
53) 2,4-Dinitrophenol	14.404	184	56322	16.149	ng/ul	97
55) 4-Nitrophenol	14.504	109	109215	20.246	ng/ul	99
56) Dibenzofuran	14.681	168	806507	20.874	ng/ul	99
57) 2,4-Dinitrotoluene	14.651	165	200327	21.378	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.910	232	162042	21.217	ng/ul	93
59) Diethylphthalate	15.116	149	689257	20.400	ng/ul	99
61) Fluorene	15.328	166	662863	20.847	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.328	204	309896	20.462	ng/ul	95
63) 4-Nitroaniline	15.363	138	173200m	22.690	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.416	198	107981	19.141	ng/ul	95
67) N-Nitrosodiphenylamine	15.545	169	571306	20.468	ng/ul	97
68) 4-Bromophenyl-phenylether	16.228	248	208259	21.147	ng/ul	89
69) Hexachlorobenzene	16.328	284	239229	21.071	ng/ul	98
70) Atrazine	16.504	200	198341	20.240	ng/ul	96
71) Pentachlorophenol	16.675	266	142866	19.368	ng/ul	97
72) Phenanthrene	17.069	178	1148139	20.845	ng/ul	99
74) Anthracene	17.163	178	1170942	21.007	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.063	216	258905	21.196	ng/ul	99
76) Pentachlorobenzene	14.592	250	260919	20.686	ng/ul	96
77) Carbazole	17.439	167	1083882	21.288	ng/ul	97
78) Di-n-butylphthalate	18.004	149	1298053	20.916	ng/ul	99
80) Fluoranthene	19.092	202	1396657	20.728	ng/ul	97
82) Pyrene	19.457	202	1474778	20.832	ng/ul	100
83) Butylbenzylphthalate	20.374	149	648323	20.754	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.180	252	514277	21.303	ng/ul	97
85) Benzo(a)anthracene	21.245	228	1628443	20.699	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.180	149	989513	21.097	ng/ul	98
87) Chrysene	21.310	228	1514689	20.283	ng/ul	97
89) Di-n-octyl phthalate	22.274	149	1803218	23.434	ng/ul	100
90) Benzo(b)fluoranthene	23.251	252	1712121	22.794	ng/ul	97
91) Benzo(k)fluoranthene	23.310	252	1669507	22.099	ng/ul	99
93) Benzo(a)pyrene	24.027	252	1612607	21.521	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.415	276	1746769m	18.786	ng/ul	
95) Dibenzo(a,h)anthracene	27.474	278	1485520	19.464	ng/ul	97
96) Benzo(g,h,i)perylene	28.427	276	1391364	18.582	ng/ul	99

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

