

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052224\
 Data File : BN031603.D
 Acq On : 22 May 2024 09:06
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD020255

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 23:12:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue May 21 23:42:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	610348	20.000	ng/u1	0.00
20) Naphthalene-d8	10.469	136	2619148	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1655327	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	3314644	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	2304039	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1997604	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	123279	8.006	ng/uL	0.00
4) Pyridine-d5	3.599	84	870259	20.252	ng/u1	0.00
7) Phenol-d5	6.852	99	1031966	20.539	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.028	67	636106	21.109	ng/u1	0.00
11) 2-Chlorophenol-d4	7.216	132	780081	20.149	ng/u1	0.00
15) 4-Methylphenol-d8	8.387	113	837212	21.525	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	403598	20.361	ng/u1	0.00
24) 2-Nitrophenol-d4	9.557	143	391244	20.669	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.087	165	756794	20.448	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	1154747	21.645	ng/u1	0.00
46) Dimethylphthalate-d6	13.745	166	2288546	21.938	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	2732052	20.895	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	431365	21.854	ng/u1	0.00
60) Fluorene-d10	15.322	176	1956291	21.639	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.439	200	274207	19.134	ng/u1	0.00
73) Anthracene-d10	17.169	188	2870217	20.455	ng/u1	0.00
81) Pyrene-d10	19.469	212	2979125	20.614	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1926120	20.484	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.234	88	129423	7.976	ng/uL	97
5) Pyridine	3.617	79	869589	20.561	ng/u1	98
6) Benzaldehyde	6.834	77	591268m	22.975	ng/u1	
8) Phenol	6.875	94	1063993	20.605	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.116	93	896677	20.926	ng/u1	98
12) 2-Chlorophenol	7.252	128	818854	20.168	ng/u1	97
13) 2-Methylphenol	8.122	108	810654	20.957	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.210	45	1075171	21.722	ng/u1	99
16) Acetophenone	8.505	105	1343330	22.142	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.493	70	682246	21.889	ng/u1	99
18) 4-Methylphenol	8.452	108	884824	21.524	ng/u1	97
19) Hexachloroethane	8.757	117	348326	20.079	ng/u1	98
22) Nitrobenzene	8.881	77	995814	20.508	ng/u1	98
23) Isophorone	9.404	82	1986674	21.508	ng/u1	100
25) 2-Nitrophenol	9.587	139	440979	20.902	ng/u1	98
26) 2,4-Dimethylphenol	9.652	107	905985	21.022	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.893	93	1243008	21.110	ng/u1	99
29) 2,4-Dichlorophenol	10.116	162	761533	20.755	ng/u1	99
30) Naphthalene	10.522	128	2795481	20.739	ng/u1	99
32) 4-Chloroaniline	10.634	127	1142061	21.939	ng/u1	100
33) Hexachlorobutadiene	10.804	225	458291	20.412	ng/u1	96
34) Caprolactam	11.398	113	270808m	22.789	ng/u1	
35) 4-Chloro-3-methylphenol	11.757	107	892166	22.391	ng/u1	97
36) 2-Methylnaphthalene	12.140	142	1857914	21.063	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.357	142	1874368	21.467	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.504	216	918865	19.614	ng/ul	93
40) Hexachlorocyclopentadiene	12.487	237	516562	18.394	ng/ul	93
41) 2,4,6-Trichlorophenol	12.751	196	592382	20.463	ng/ul	98
42) 2,4,5-Trichlorophenol	12.816	196	652108	20.809	ng/ul	94
43) 1,1'-Biphenyl	13.157	154	2404566	20.149	ng/ul	99
44) 2-Chloronaphthalene	13.198	162	1890804	20.010	ng/ul	98
45) 2-Nitroaniline	13.404	65	540496	21.850	ng/ul	98
47) Dimethylphthalate	13.792	163	2344631	22.026	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	461314	22.739	ng/ul	97
50) Acenaphthylene	14.051	152	3117034	20.652	ng/ul	99
51) 3-Nitroaniline	14.234	138	509132	22.110	ng/ul	99
52) Acenaphthene	14.392	153	2034898	20.809	ng/ul	91
53) 2,4-Dinitrophenol	14.440	184	172875	18.557	ng/ul	98
55) 4-Nitrophenol	14.539	109	329614	22.163	ng/ul	98
56) Dibenzofuran	14.728	168	2718539	20.824	ng/ul	97
57) 2,4-Dinitrotoluene	14.692	165	655384	24.114	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.951	232	510914	22.443	ng/ul	99
59) Diethylphthalate	15.163	149	2330039	23.230	ng/ul	98
61) Fluorene	15.381	166	2228772	21.795	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.381	204	1053357	21.396	ng/ul	95
63) 4-Nitroaniline	15.398	138	480600	23.272	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.457	198	304799	19.394	ng/ul#	93
67) N-Nitrosodiphenylamine	15.592	169	1890096	19.371	ng/ul	99
68) 4-Bromophenyl-phenylether	16.275	248	642036	19.238	ng/ul	98
69) Hexachlorobenzene	16.375	284	726499	20.170	ng/ul	97
70) Atrazine	16.545	200	545907	20.788	ng/ul	99
71) Pentachlorophenol	16.722	266	410860	19.998	ng/ul	97
72) Phenanthrene	17.116	178	3435406	20.422	ng/ul	99
74) Anthracene	17.204	178	3438248	20.372	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.116	216	921804	17.494	ng/ul	98
76) Pentachlorobenzene	14.645	250	853940	17.897	ng/ul	95
77) Carbazole	17.475	167	3037278	21.089	ng/ul	98
78) Di-n-butylphthalate	18.051	149	3723302	22.515	ng/ul	98
80) Fluoranthene	19.133	202	3582753	20.056	ng/ul	99
82) Pyrene	19.498	202	3565532	19.463	ng/ul	96
83) Butylbenzylphthalate	20.410	149	1390055	22.358	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.216	252	887930	20.043	ng/ul	98
85) Benzo(a)anthracene	21.286	228	3158666	20.387	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.227	149	1914652	22.491	ng/ul	99
87) Chrysene	21.345	228	2853181	19.936	ng/ul	97
89) Di-n-octyl phthalate	22.339	149	2685374	23.520	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	2393410	20.532	ng/ul	97
91) Benzo(k)fluoranthene	23.374	252	2568384	21.614	ng/ul	100
93) Benzo(a)pyrene	24.098	252	2302819	20.565	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.539	276	2416767m	17.983	ng/ul	
95) Dibenzo(a,h)anthracene	27.598	278	2012937	18.188	ng/ul	99
96) Benzo(g,h,i)perylene	28.562	276	1987532	17.900	ng/ul	99

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

