

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052224\
 Data File : BN031612.D
 Acq On : 22 May 2024 19:32
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_N

ClientSampleId :

SSTD020256

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 23:21:15 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	7.693	152	497539	20.000	ng/u1	0.00
20) Naphthalene-d8	10.475	136	1993355	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.328	164	1105749	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.075	188	1981703	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	1665585	20.000	ng/u1	0.00
88) Perylene-d12	24.239	264	1791776	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	104611	8.334	ng/uL	0.00
4) Pyridine-d5	3.605	84	742278	21.190	ng/u1	0.00
7) Phenol-d5	6.858	99	828271	20.223	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.034	67	505635	20.584	ng/u1	0.00
11) 2-Chlorophenol-d4	7.222	132	629281	19.940	ng/u1	0.00
15) 4-Methylphenol-d8	8.393	113	612211	19.309	ng/u1	0.00
21) Nitrobenzene-d5	8.846	128	292311	19.376	ng/u1	0.00
24) 2-Nitrophenol-d4	9.563	143	263810	18.312	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	552170	19.603	ng/u1	0.00
31) 4-Chloroaniline-d4	10.610	131	810433	19.960	ng/u1	0.00
46) Dimethylphthalate-d6	13.746	166	1394305	20.009	ng/u1	0.00
49) Acenaphthylene-d8	14.022	160	1780548	20.387	ng/u1	0.00
54) 4-Nitrophenol-d4	14.522	143	258110	19.576	ng/u1	0.00
60) Fluorene-d10	15.322	176	1236683	20.478	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	142296	16.608	ng/u1	0.00
73) Anthracene-d10	17.169	188	1730291	20.626	ng/u1	0.00
81) Pyrene-d10	19.463	212	1853391	17.740	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.033	264	1689637	20.033	ng/u1	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.234	88	114982	8.693	ng/uL	99
5) Pyridine	3.623	79	750889	21.780	ng/u1	98
6) Benzaldehyde	6.840	77	474356m	22.612	ng/u1	
8) Phenol	6.881	94	860991	20.454	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.122	93	713226	20.418	ng/u1	98
12) 2-Chlorophenol	7.258	128	665183	20.097	ng/u1	100
13) 2-Methylphenol	8.128	108	617632	19.588	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.216	45	820741	20.341	ng/u1	99
16) Acetophenone	8.511	105	993363	20.086	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.499	70	475304	18.707	ng/u1	99
18) 4-Methylphenol	8.458	108	655044	19.547	ng/u1	98
19) Hexachloroethane	8.763	117	286786	20.280	ng/u1	96
22) Nitrobenzene	8.887	77	748133	20.244	ng/u1	97
23) Isophorone	9.410	82	1343588	19.113	ng/u1	99
25) 2-Nitrophenol	9.593	139	311703	19.413	ng/u1	95
26) 2,4-Dimethylphenol	9.652	107	646023	19.696	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.899	93	877456	19.580	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	547321	19.600	ng/u1	97
30) Naphthalene	10.522	128	2080479	20.280	ng/u1	99
32) 4-Chloroaniline	10.634	127	807630	20.385	ng/u1	99
33) Hexachlorobutadiene	10.810	225	346986	20.306	ng/u1	97
34) Caprolactam	11.399	113	161602	17.869	ng/u1	93
35) 4-Chloro-3-methylphenol	11.757	107	576605	19.014	ng/u1	94
36) 2-Methylnaphthalene	12.140	142	1321000	19.677	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.363	142	1318711	19.844	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.510	216	638900	20.416	ng/ul	99
40) Hexachlorocyclopentadiene	12.487	237	340112	18.130	ng/ul	95
41) 2,4,6-Trichlorophenol	12.751	196	381033	19.704	ng/ul	98
42) 2,4,5-Trichlorophenol	12.822	196	406181	19.403	ng/ul	95
43) 1,1'-Biphenyl	13.163	154	1627632	20.417	ng/ul	100
44) 2-Chloronaphthalene	13.198	162	1282949	20.325	ng/ul	99
45) 2-Nitroaniline	13.410	65	328065	19.854	ng/ul	96
47) Dimethylphthalate	13.793	163	1423082	20.013	ng/ul	99
48) 2,6-Dinitrotoluene	13.910	165	267210	19.718	ng/ul	99
50) Acenaphthylene	14.051	152	2027817	20.113	ng/ul	99
51) 3-Nitroaniline	14.234	138	301283	19.587	ng/ul	99
52) Acenaphthene	14.393	153	1340097	20.515	ng/ul	94
53) 2,4-Dinitrophenol	14.440	184	94216	15.140	ng/ul	99
55) 4-Nitrophenol	14.534	109	202636	20.397	ng/ul	96
56) Dibenzofuran	14.728	168	1767889	20.273	ng/ul	98
57) 2,4-Dinitrotoluene	14.693	165	376679	20.748	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.951	232	298928	19.658	ng/ul	98
59) Diethylphthalate	15.163	149	1363701	20.353	ng/ul	98
61) Fluorene	15.381	166	1430007	20.934	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.381	204	674874	20.522	ng/ul	99
63) 4-Nitroaniline	15.398	138	286879	20.796	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.451	198	154486	16.442	ng/ul	99
67) N-Nitrosodiphenylamine	15.592	169	1150938	19.729	ng/ul	96
68) 4-Bromophenyl-phenylether	16.269	248	379306	19.010	ng/ul	94
69) Hexachlorobenzene	16.375	284	441220	20.489	ng/ul	93
70) Atrazine	16.545	200	311526	19.842	ng/ul	98
71) Pentachlorophenol	16.716	266	230104	18.734	ng/ul	92
72) Phenanthrene	17.116	178	2084063	20.722	ng/ul	100
74) Anthracene	17.204	178	2089331	20.706	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.122	216	628206	19.941	ng/ul	97
76) Pentachlorobenzene	14.645	250	552448	19.366	ng/ul	92
77) Carbazole	17.475	167	1888374	21.931	ng/ul	99
78) Di-n-butylphthalate	18.051	149	2076159	20.999	ng/ul	99
80) Fluoranthene	19.133	202	2249268	17.418	ng/ul	99
82) Pyrene	19.498	202	2297658	17.350	ng/ul	99
83) Butylbenzylphthalate	20.410	149	809079	18.001	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.216	252	625509	19.531	ng/ul	97
85) Benzo(a)anthracene	21.286	228	2148688	19.184	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.222	149	1188765	19.317	ng/ul	98
87) Chrysene	21.345	228	2044204	19.759	ng/ul	100
89) Di-n-octyl phthalate	22.339	149	1832209	17.891	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	2072761	19.824	ng/ul	96
91) Benzo(k)fluoranthene	23.369	252	2165643	20.318	ng/ul	99
93) Benzo(a)pyrene	24.098	252	2040747	20.318	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.533	276	2461848	20.423	ng/ul	97
95) Dibenzo(a,h)anthracene	27.598	278	2018508	20.334	ng/ul	98
96) Benzo(g,h,i)perylene	28.562	276	2008459m	20.166	ng/ul	

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

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