

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032823\
 Data File : BN024577.D
 Acq On : 28 Mar 2023 00:16
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020262

Quant Time: Mar 28 01:34:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 28 00:57:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/28/2023
 Supervised By : Jagrut Upadhyay 03/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.011	152	368062	20.000	ng/u1	0.00
20) Naphthalene-d8	10.828	136	1613161	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	984162	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.398	188	2090637	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	1922737	20.000	ng/u1	0.00
88) Perylene-d12	24.074	264	1998701	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	78114	8.279	ng/uL	0.00
4) Pyridine-d5	3.811	84	586099	22.449	ng/u1	0.00
7) Phenol-d5	7.169	99	710369	21.517	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	474307	22.434	ng/u1	0.00
11) 2-Chlorophenol-d4	7.540	132	555604	21.914	ng/u1	0.00
15) 4-Methylphenol-d8	8.722	113	565769	21.557	ng/u1	0.00
21) Nitrobenzene-d5	9.181	128	275694	26.331	ng/u1	0.00
24) 2-Nitrophenol-d4	9.905	143	300785	26.344	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.446	165	547051	22.204	ng/u1	0.00
31) 4-Chloroaniline-d4	10.969	131	806408	21.938	ng/u1	0.00
46) Dimethylphthalate-d6	14.057	166	1605552	21.138	ng/u1	0.00
49) Acenaphthylene-d8	14.346	160	1887663	21.351	ng/u1	0.00
54) 4-Nitrophenol-d4	14.845	143	312129	21.507	ng/u1	0.00
60) Fluorene-d10	15.640	176	1383380	21.672	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.757	200	267444	23.744	ng/u1	0.00
73) Anthracene-d10	17.498	188	2118784	21.489	ng/u1	0.00
81) Pyrene-d10	19.786	212	2446550	21.772	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.921	264	2230714	22.451	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.417	88	85470	8.365	ng/uL	93
5) Pyridine	3.828	79	597444	22.106	ng/u1	87
6) Benzaldehyde	7.146	77	412349	25.708	ng/u1	96
8) Phenol	7.193	94	751052	21.945	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.428	93	606434	21.867	ng/u1	94
12) 2-Chlorophenol	7.569	128	569040	21.618	ng/u1	95
13) 2-Methylphenol	8.458	108	563698	21.903	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.540	45	1085056	24.661	ng/u1	97
16) Acetophenone	8.840	105	923687	22.671	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.828	70	483990	24.193	ng/u1	91
18) 4-Methylphenol	8.787	108	612528	21.624	ng/u1	97
19) Hexachloroethane	9.099	117	228493	22.105	ng/u1	100
22) Nitrobenzene	9.222	77	714375	25.204	ng/u1	99
23) Isophorone	9.752	82	1319215	21.295	ng/u1	99
25) 2-Nitrophenol	9.940	139	325833	24.842	ng/u1	100
26) 2,4-Dimethylphenol	9.993	107	669154	22.385	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.234	93	833204	21.661	ng/u1	98
29) 2,4-Dichlorophenol	10.469	162	536149	21.561	ng/u1	99
30) Naphthalene	10.881	128	1905760	21.468	ng/u1	99
32) 4-Chloroaniline	10.993	127	809503	21.839	ng/u1	97
33) Hexachlorobutadiene	11.163	225	310656	20.499	ng/u1	93
34) Caprolactam	11.769	113	172519m	20.344	ng/u1	
35) 4-Chloro-3-methylphenol	12.104	107	609036	22.232	ng/u1	97
36) 2-Methylnaphthalene	12.481	142	1254492	21.463	ng/u1	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	1250913	21.355	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.851	216	621327	20.980	ng/ul	97
40) Hexachlorocyclopentadiene	12.828	237	408608	25.601	ng/ul	99
41) 2,4,6-Trichlorophenol	13.087	196	415942	21.439	ng/ul	99
42) 2,4,5-Trichlorophenol	13.157	196	468507	22.423	ng/ul	90
43) 1,1'-Biphenyl	13.487	154	1700391	21.690	ng/ul	98
44) 2-Chloronaphthalene	13.534	162	1310267	21.451	ng/ul	99
45) 2-Nitroaniline	13.734	65	417349	31.362	ng/ul	94
47) Dimethylphthalate	14.104	163	1610873	21.042	ng/ul	100
48) 2,6-Dinitrotoluene	14.228	165	321077	28.493	ng/ul	92
50) Acenaphthylene	14.375	152	2068057	21.707	ng/ul	99
51) 3-Nitroaniline	14.557	138	340628	24.868	ng/ul	99
52) Acenaphthene	14.716	153	1401498	21.565	ng/ul	97
53) 2,4-Dinitrophenol	14.757	184	190039	24.359	ng/ul	98
55) 4-Nitrophenol	14.857	109	263425	23.826	ng/ul	96
56) Dibenzofuran	15.051	168	1940398	21.253	ng/ul	100
57) 2,4-Dinitrotoluene	15.010	165	464123	26.129	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.275	232	380625	21.192	ng/ul	98
59) Diethylphthalate	15.469	149	1615641	21.172	ng/ul	99
61) Fluorene	15.698	166	1598160	22.343	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.693	204	757728	22.156	ng/ul	98
63) 4-Nitroaniline	15.722	138	343217	25.911	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.775	198	268537	23.569	ng/ul	97
67) N-Nitrosodiphenylamine	15.904	169	1356318	21.908	ng/ul	96
68) 4-Bromophenyl-phenylether	16.587	248	458709	22.069	ng/ul	98
69) Hexachlorobenzene	16.704	284	514160	20.334	ng/ul	98
70) Atrazine	16.857	200	460530	21.976	ng/ul	99
71) Pentachlorophenol	17.045	266	334349	21.375	ng/ul	97
72) Phenanthrene	17.439	178	2468924	21.318	ng/ul	97
74) Anthracene	17.534	178	2556525	21.894	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.457	216	648777	21.292	ng/ul	97
76) Pentachlorobenzene	14.969	250	630460	21.235	ng/ul	93
77) Carbazole	17.804	167	2353191	22.503	ng/ul	98
78) Di-n-butylphthalate	18.357	149	2726887	21.907	ng/ul	99
80) Fluoranthene	19.451	202	2870613	21.974	ng/ul	99
82) Pyrene	19.816	202	3016383	21.885	ng/ul	99
83) Butylbenzylphthalate	20.704	149	1174540	33.464	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.498	252	924857	24.957	ng/ul	96
85) Benzo(a)anthracene	21.569	228	2875906	21.459	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.486	149	1704861	29.269	ng/ul	99
87) Chrysene	21.622	228	2745626	21.403	ng/ul	97
89) Di-n-octyl phthalate	22.445	149	2917219	27.291	ng/ul	100
90) Benzo(b)fluoranthene	23.310	252	2722537	21.636	ng/ul	100
91) Benzo(k)fluoranthene	23.363	252	2831324	22.749	ng/ul	99
93) Benzo(a)pyrene	23.963	252	2477316	22.230	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.686	276	3035397m	21.629	ng/ul	
95) Dibenzo(a,h)anthracene	26.710	278	2495602m	21.839	ng/ul	
96) Benzo(g,h,i)perylene	27.492	276	2452374m	21.180	ng/ul	

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

