

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042223\
 Data File : BN025087.D
 Acq On : 22 Apr 2023 22:16
 Operator : CG/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020278

Quant Time: Apr 23 02:01:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Apr 23 01:54:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	248845	20.000	ng/u1	0.00
20) Naphthalene-d8	10.728	136	1142725	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.563	164	743778	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.310	188	1677192	20.000	ng/u1	0.00
79) Chrysene-d12	21.510	240	1736128	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	1992633	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	52287	7.997	ng/uL	0.00
4) Pyridine-d5	3.717	84	404129	20.642	ng/u1	0.00
7) Phenol-d5	7.075	99	502541	20.714	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.246	67	348936	21.503	ng/u1	0.00
11) 2-Chlorophenol-d4	7.440	132	381656	21.406	ng/u1	0.00
15) 4-Methylphenol-d8	8.628	113	413171	21.452	ng/u1	0.00
21) Nitrobenzene-d5	9.087	128	195272	21.105	ng/u1	0.00
24) 2-Nitrophenol-d4	9.810	143	216608	21.614	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.346	165	388716	21.700	ng/u1	0.00
31) 4-Chloroaniline-d4	10.869	131	597631	21.984	ng/u1	0.00
46) Dimethylphthalate-d6	13.975	166	1297178	22.497	ng/u1	0.00
49) Acenaphthylene-d8	14.257	160	1444691	21.865	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	258000	21.829	ng/u1	0.00
60) Fluorene-d10	15.557	176	1087069	22.330	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.681	200	230395	21.108	ng/u1	0.00
73) Anthracene-d10	17.410	188	1732802	21.998	ng/u1	0.00
81) Pyrene-d10	19.704	212	2052972	20.364	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	2162387	20.755	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	58265	8.258	ng/uL	99
5) Pyridine	3.734	79	414406	20.487	ng/u1	93
6) Benzaldehyde	7.052	77	302603m	25.528	ng/u1	
8) Phenol	7.105	94	533114	21.100	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.340	93	436126	21.987	ng/u1	99
12) 2-Chlorophenol	7.475	128	396593	21.298	ng/u1	99
13) 2-Methylphenol	8.363	108	386245	20.821	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.452	45	871657	22.379	ng/u1	99
16) Acetophenone	8.746	105	681057	22.363	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.728	70	371711	22.628	ng/u1	98
18) 4-Methylphenol	8.693	108	445598	21.601	ng/u1	96
19) Hexachloroethane	8.999	117	157769	20.993	ng/u1	98
22) Nitrobenzene	9.128	77	532203	21.406	ng/u1	99
23) Isophorone	9.652	82	1011097	22.155	ng/u1	99
25) 2-Nitrophenol	9.840	139	238708	22.081	ng/u1	100
26) 2,4-Dimethylphenol	9.899	107	497238	21.846	ng/u1	100
27) Bis(2-Chloroethoxy)met...	10.140	93	627487	22.093	ng/u1	99
29) 2,4-Dichlorophenol	10.375	162	392832	21.851	ng/u1	99
30) Naphthalene	10.781	128	1392755	21.823	ng/u1	99
32) 4-Chloroaniline	10.893	127	613822	22.305	ng/u1	100
33) Hexachlorobutadiene	11.063	225	230462	21.993	ng/u1	93
34) Caprolactam	11.663	113	127827m	20.286	ng/u1	
35) 4-Chloro-3-methylphenol	12.016	107	462740	21.953	ng/u1	99
36) 2-Methylnaphthalene	12.387	142	940099	22.289	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.610	142	948394	22.525	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.757	216	478625	22.061	ng/ul	99
40) Hexachlorocyclopentadiene	12.734	237	276898	20.930	ng/ul	99
41) 2,4,6-Trichlorophenol	12.998	196	325670	21.970	ng/ul	97
42) 2,4,5-Trichlorophenol	13.063	196	353297	21.779	ng/ul	99
43) 1,1'-Biphenyl	13.398	154	1276880	21.547	ng/ul	98
44) 2-Chloronaphthalene	13.440	162	986805	21.445	ng/ul	98
45) 2-Nitroaniline	13.645	65	347948	21.655	ng/ul	97
47) Dimethylphthalate	14.022	163	1324232	22.826	ng/ul	99
48) 2,6-Dinitrotoluene	14.145	165	253734	22.407	ng/ul	96
50) Acenaphthylene	14.287	152	1611260	22.202	ng/ul	99
51) 3-Nitroaniline	14.475	138	264910	22.262	ng/ul	96
52) Acenaphthene	14.628	153	1098176	21.888	ng/ul	99
53) 2,4-Dinitrophenol	14.681	184	140688	19.323	ng/ul	95
55) 4-Nitrophenol	14.775	109	213465	22.190	ng/ul	95
56) Dibenzofuran	14.963	168	1545248	22.345	ng/ul	97
57) 2,4-Dinitrotoluene	14.928	165	382778	23.352	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.187	232	304098	22.766	ng/ul	98
59) Diethylphthalate	15.381	149	1333906	22.882	ng/ul	99
61) Fluorene	15.610	166	1268132	22.798	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.604	204	613671	23.702	ng/ul	97
63) 4-Nitroaniline	15.634	138	277878	23.696	ng/ul	91
66) 4,6-Dinitro-2-methylph...	15.692	198	232608	21.755	ng/ul	99
67) N-Nitrosodiphenylamine	15.822	169	1096655	21.552	ng/ul	97
68) 4-Bromophenyl-phenylether	16.498	248	368814	21.877	ng/ul	97
69) Hexachlorobenzene	16.616	284	417939	21.896	ng/ul	99
70) Atrazine	16.769	200	392299	22.658	ng/ul	99
71) Pentachlorophenol	16.963	266	253928	21.403	ng/ul	93
72) Phenanthrene	17.357	178	2088953	22.071	ng/ul	98
74) Anthracene	17.445	178	2119289	22.222	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	490798	20.574	ng/ul	99
76) Pentachlorobenzene	14.881	250	493053	21.603	ng/ul	98
77) Carbazole	17.716	167	1915156	22.240	ng/ul	97
78) Di-n-butylphthalate	18.280	149	2361623	23.105	ng/ul	99
80) Fluoranthene	19.369	202	2437343	20.172	ng/ul	99
82) Pyrene	19.733	202	2566904	20.183	ng/ul	98
83) Butylbenzylphthalate	20.633	149	1115920	21.134	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.427	252	912167	22.899	ng/ul	95
85) Benzo(a)anthracene	21.492	228	2572797	20.634	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.416	149	1695247	21.507	ng/ul	99
87) Chrysene	21.545	228	2521735	21.233	ng/ul	98
89) Di-n-octyl phthalate	22.351	149	3006473	21.955	ng/ul	100
90) Benzo(b)fluoranthene	23.198	252	2857675	21.868	ng/ul	96
91) Benzo(k)fluoranthene	23.251	252	2698899	20.989	ng/ul	98
93) Benzo(a)pyrene	23.845	252	2538043	22.184	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.498	276	3337886m	24.079	ng/ul	
95) Dibenzo(a,h)anthracene	26.515	278	2770439m	24.208	ng/ul	
96) Benzo(g,h,i)perylene	27.286	276	2737498m	24.336	ng/ul	

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

