

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021224\
 Data File : BN029706.D
 Acq On : 12 Feb 2024 10:35
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020302

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/13/2024
 Supervised By :mohammad ahmed 02/13/2024

Quant Time: Feb 12 11:38:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 08 00:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	217850	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.669	136	892254	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.510	164	445031	20.000	ng/u1	-0.02
64) Phenanthrene-d10	17.269	188	794731	20.000	ng/u1	-0.01
79) Chrysene-d12	21.469	240	653155	20.000	ng/u1	-0.01
88) Perylene-d12	23.839	264	753776	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	49806	7.520	ng/uL	0.00
4) Pyridine-d5	3.734	84	322902	18.281	ng/u1	0.00
7) Phenol-d5	7.040	99	371280	18.221	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.211	67	254338	18.702	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.399	132	288665	19.549	ng/u1	-0.02
15) 4-Methylphenol-d8	8.581	113	278362	18.317	ng/u1	-0.02
21) Nitrobenzene-d5	9.040	128	133296	19.248	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.757	143	117726	19.519	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.287	165	225449	18.938	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.816	131	356337	17.545	ng/u1	-0.02
46) Dimethylphthalate-d6	13.934	166	599281	18.087	ng/u1	-0.02
49) Acenaphthylene-d8	14.204	160	737512	18.743	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.722	143	92535	14.715	ng/u1	-0.01
60) Fluorene-d10	15.510	176	510562	18.114	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.634	200	64176	16.573	ng/u1	-0.01
73) Anthracene-d10	17.369	188	699461	18.780	ng/u1	-0.01
81) Pyrene-d10	19.663	212	714937	18.240	ng/u1	-0.02
92) Benzo(a)pyrene-d12	23.686	264	721754	19.136	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.358	88	52674	7.678	ng/uL	98
5) Pyridine	3.752	79	339903	18.601	ng/u1	96
6) Benzaldehyde	7.016	77	217884	23.854	ng/u1	93
8) Phenol	7.064	94	384404	18.407	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.305	93	326025	18.566	ng/u1	97
12) 2-Chlorophenol	7.428	128	302070	19.498	ng/u1	99
13) 2-Methylphenol	8.316	108	277214	18.395	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.399	45	430270	18.761	ng/u1	99
16) Acetophenone	8.699	105	453905	18.767	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.687	70	238223	19.078	ng/u1	98
18) 4-Methylphenol	8.646	108	293585	18.436	ng/u1	100
19) Hexachloroethane	8.940	117	136514	18.989	ng/u1	98
22) Nitrobenzene	9.081	77	368382	18.774	ng/u1	100
23) Isophorone	9.605	82	615913	18.021	ng/u1	100
25) 2-Nitrophenol	9.787	139	138008	20.038	ng/u1	100
26) 2,4-Dimethylphenol	9.852	107	308791	18.708	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.093	93	400249	18.427	ng/u1	98
29) 2,4-Dichlorophenol	10.316	162	237335	19.294	ng/u1	99
30) Naphthalene	10.716	128	957000	18.765	ng/u1	99
32) 4-Chloroaniline	10.840	127	350359	17.475	ng/u1	99
33) Hexachlorobutadiene	10.993	225	149583	19.703	ng/u1	96
34) Caprolactam	11.610	113	57868	14.137	ng/u1	95
35) 4-Chloro-3-methylphenol	11.963	107	263809	18.567	ng/u1	100
36) 2-Methylnaphthalene	12.334	142	577187	18.462	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.551	142	579255	18.689	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.698	216	254169	19.268	ng/ul	97
40) Hexachlorocyclopentadiene	12.669	237	139087	16.131	ng/ul	98
41) 2,4,6-Trichlorophenol	12.946	196	148498	19.531	ng/ul	100
42) 2,4,5-Trichlorophenol	13.010	196	164313	19.233	ng/ul	97
43) 1,1'-Biphenyl	13.351	154	713913	19.022	ng/ul	99
44) 2-Chloronaphthalene	13.387	162	549946	18.854	ng/ul	98
45) 2-Nitroaniline	13.604	65	154564	18.023	ng/ul	95
47) Dimethylphthalate	13.981	163	612276	18.053	ng/ul	99
48) 2,6-Dinitrotoluene	14.104	165	108955	17.953	ng/ul	94
50) Acenaphthylene	14.234	152	889538	18.837	ng/ul	99
51) 3-Nitroaniline	14.434	138	112463	15.922	ng/ul	90
52) Acenaphthene	14.575	153	575050	18.434	ng/ul	95
53) 2,4-Dinitrophenol	14.640	184	42442	13.780	ng/ul	99
55) 4-Nitrophenol	14.734	109	89431	15.553	ng/ul	97
56) Dibenzofuran	14.916	168	750328	18.215	ng/ul	97
57) 2,4-Dinitrotoluene	14.887	165	155062	18.147	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.140	232	114530	18.889	ng/ul	96
59) Diethylphthalate	15.351	149	617519	17.725	ng/ul	98
61) Fluorene	15.563	166	602846	18.515	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.563	204	274680	18.861	ng/ul	97
63) 4-Nitroaniline	15.592	138	106515	16.708	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.651	198	71885	16.838	ng/ul	92
67) N-Nitrosodiphenylamine	15.781	169	475549	19.202	ng/ul	99
68) 4-Bromophenyl-phenylether	16.463	248	150105	19.955	ng/ul	91
69) Hexachlorobenzene	16.557	284	167660	19.774	ng/ul	98
70) Atrazine	16.739	200	136407	17.630	ng/ul	99
71) Pentachlorophenol	16.910	266	83399	16.938	ng/ul#	90
72) Phenanthrene	17.310	178	859985	18.707	ng/ul	99
74) Anthracene	17.398	178	873014	18.922	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.310	216	241101	20.674	ng/uL	99
76) Pentachlorobenzene	14.828	250	214946	20.584	ng/uL	98
77) Carbazole	17.675	167	746560	17.716	ng/ul	98
78) Di-n-butylphthalate	18.251	149	912758	18.012	ng/ul	100
80) Fluoranthene	19.328	202	883676	18.559	ng/ul	99
82) Pyrene	19.692	202	946216	18.785	ng/ul	98
83) Butylbenzylphthalate	20.616	149	354975	17.292	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.398	252	216959	17.150	ng/ul	97
85) Benzo(a)anthracene	21.451	228	890471	18.559	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.404	149	539490	16.990	ng/ul	97
87) Chrysene	21.504	228	833285	18.531	ng/ul	98
89) Di-n-octyl phthalate	22.333	149	889239	15.219	ng/ul	100
90) Benzo(b)fluoranthene	23.121	252	900746	18.972	ng/ul	97
91) Benzo(k)fluoranthene	23.163	252	881213	18.134	ng/ul	98
93) Benzo(a)pyrene	23.733	252	888523	19.514	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.286	276	1068502	19.272	ng/ul	98
95) Dibenzo(a,h)anthracene	26.321	278	875986m	19.353	ng/ul	
96) Benzo(g,h,i)perylene	27.039	276	865962	18.674	ng/ul	97

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

