

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042523\
 Data File : BN025135.D
 Acq On : 25 Apr 2023 18:22
 Operator : CG/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020283

Quant Time: Apr 26 00:47:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 25 08:52:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	313254	20.000	ng/u1	0.00
20) Naphthalene-d8	10.728	136	1409438	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.563	164	907575	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.310	188	1993342	20.000	ng/u1	0.00
79) Chrysene-d12	21.510	240	1792535	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	1889102	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	64381	7.822	ng/uL	0.00
4) Pyridine-d5	3.716	84	479231	19.445	ng/u1	0.00
7) Phenol-d5	7.075	99	618511	20.252	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.240	67	437970	21.441	ng/u1	0.00
11) 2-Chlorophenol-d4	7.440	132	472934	21.072	ng/u1	0.00
15) 4-Methylphenol-d8	8.628	113	502627	20.731	ng/u1	0.00
21) Nitrobenzene-d5	9.081	128	238927	20.936	ng/u1	0.00
24) 2-Nitrophenol-d4	9.804	143	265370	21.468	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.346	165	483341	21.877	ng/u1	0.00
31) 4-Chloroaniline-d4	10.863	131	726591	21.670	ng/u1	0.00
46) Dimethylphthalate-d6	13.969	166	1552912	22.072	ng/u1	0.00
49) Acenaphthylene-d8	14.257	160	1741481	21.600	ng/u1	0.00
54) 4-Nitrophenol-d4	14.763	143	292389	20.273	ng/u1	0.00
60) Fluorene-d10	15.551	176	1311133	22.072	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.675	200	257601	19.857	ng/u1	0.00
73) Anthracene-d10	17.410	188	2055161	21.952	ng/u1	0.00
81) Pyrene-d10	19.704	212	2349259	22.570	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	2136687	21.632	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	70791	7.970	ng/uL	96
5) Pyridine	3.734	79	515313	20.238	ng/u1	97
6) Benzaldehyde	7.052	77	374076	25.069	ng/u1	97
8) Phenol	7.099	94	657476	20.671	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.334	93	534057	21.388	ng/u1	99
12) 2-Chlorophenol	7.475	128	492196	20.997	ng/u1	99
13) 2-Methylphenol	8.357	108	482729	20.672	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.446	45	1067322	21.768	ng/u1	99
16) Acetophenone	8.746	105	831690	21.694	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.728	70	455622	22.034	ng/u1	99
18) 4-Methylphenol	8.693	108	542069	20.875	ng/u1	98
19) Hexachloroethane	8.999	117	199772	21.116	ng/u1	96
22) Nitrobenzene	9.128	77	665832	21.713	ng/u1	99
23) Isophorone	9.651	82	1226001	21.780	ng/u1	99
25) 2-Nitrophenol	9.840	139	292175	21.912	ng/u1	96
26) 2,4-Dimethylphenol	9.899	107	608651	21.680	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.134	93	758615	21.656	ng/u1	99
29) 2,4-Dichlorophenol	10.369	162	485793	21.908	ng/u1	99
30) Naphthalene	10.775	128	1706891	21.684	ng/u1	99
32) 4-Chloroaniline	10.893	127	740026	21.803	ng/u1	98
33) Hexachlorobutadiene	11.057	225	296904	22.972	ng/u1	93
34) Caprolactam	11.657	113	158345m	20.374	ng/u1	
35) 4-Chloro-3-methylphenol	12.010	107	569625	21.909	ng/u1	99
36) 2-Methylnaphthalene	12.387	142	1152003	22.144	ng/u1	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.604	142	1149138	22.128	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.757	216	590078	22.290	ng/ul	99
40) Hexachlorocyclopentadiene	12.734	237	264701	16.397	ng/ul	93
41) 2,4,6-Trichlorophenol	12.992	196	399548	22.089	ng/ul	94
42) 2,4,5-Trichlorophenol	13.063	196	440336	22.246	ng/ul	96
43) 1,1'-Biphenyl	13.398	154	1575957	21.794	ng/ul	99
44) 2-Chloronaphthalene	13.440	162	1225761	21.831	ng/ul	98
45) 2-Nitroaniline	13.645	65	424600	21.656	ng/ul	98
47) Dimethylphthalate	14.022	163	1555764	21.977	ng/ul	100
48) 2,6-Dinitrotoluene	14.145	165	307814	22.277	ng/ul	97
50) Acenaphthylene	14.287	152	1918457	21.664	ng/ul	98
51) 3-Nitroaniline	14.475	138	323624	22.287	ng/ul	97
52) Acenaphthene	14.628	153	1344061	21.954	ng/ul	99
53) 2,4-Dinitrophenol	14.675	184	151102	17.008	ng/ul	90
55) 4-Nitrophenol	14.775	109	252885	21.544	ng/ul	95
56) Dibenzofuran	14.957	168	1858766	22.027	ng/ul	97
57) 2,4-Dinitrotoluene	14.928	165	451757	22.586	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.186	232	370274	22.717	ng/ul	99
59) Diethylphthalate	15.381	149	1584938	22.281	ng/ul	100
61) Fluorene	15.610	166	1522546	22.432	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.604	204	738260	23.368	ng/ul	96
63) 4-Nitroaniline	15.634	138	342298	23.921	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.692	198	255062	20.072	ng/ul	100
67) N-Nitrosodiphenylamine	15.816	169	1307595	21.622	ng/ul	98
68) 4-Bromophenyl-phenylether	16.498	248	443260	22.123	ng/ul	97
69) Hexachlorobenzene	16.616	284	496629	21.892	ng/ul	97
70) Atrazine	16.769	200	450576	21.896	ng/ul	99
71) Pentachlorophenol	16.957	266	296730	21.044	ng/ul	97
72) Phenanthrene	17.351	178	2414532	21.465	ng/ul	99
74) Anthracene	17.445	178	2456071	21.668	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.363	216	606071	21.377	ng/ul	99
76) Pentachlorobenzene	14.881	250	595251	21.944	ng/ul	98
77) Carbazole	17.716	167	2219521	21.686	ng/ul	98
78) Di-n-butylphthalate	18.275	149	2668211	21.964	ng/ul	99
80) Fluoranthene	19.369	202	2815126	22.566	ng/ul	99
82) Pyrene	19.733	202	2912517	22.180	ng/ul	98
83) Butylbenzylphthalate	20.633	149	1196677	21.951	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.427	252	942726	22.922	ng/ul#	96
85) Benzo(a)anthracene	21.492	228	2872439	22.312	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.410	149	1769016	21.737	ng/ul	99
87) Chrysene	21.545	228	2678072	21.839	ng/ul	98
89) Di-n-octyl phthalate	22.351	149	3035430	23.381	ng/ul	100
90) Benzo(b)fluoranthene	23.198	252	2765118	22.319	ng/ul	98
91) Benzo(k)fluoranthene	23.251	252	2768444	22.710	ng/ul	98
93) Benzo(a)pyrene	23.839	252	2356859	21.729	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.498	276	2874482m	21.873	ng/ul	
95) Dibenzo(a,h)anthracene	26.515	278	2395742m	22.081	ng/ul	
96) Benzo(g,h,i)perylene	27.268	276	2272124m	21.306	ng/ul	

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

