

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101723\
 Data File : BM042325.D
 Acq On : 17 Oct 2023 17:47
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020134

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

Quant Time: Oct 18 02:10:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 18 02:04:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	177902	20.000	ng/u1	0.00
20) Naphthalene-d8	10.833	136	799780	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	482740	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	1009862	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	974224	20.000	ng/u1	0.00
88) Perylene-d12	24.056	264	987595	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	48421	8.504	ng/uL	0.00
4) Pyridine-d5	3.804	84	365126	21.653	ng/u1	0.00
7) Phenol-d5	7.157	99	403451	20.463	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	276909	20.786	ng/u1	0.00
11) 2-Chlorophenol-d4	7.534	132	282981	20.864	ng/u1	0.00
15) 4-Methylphenol-d8	8.722	113	312260	19.999	ng/u1	0.00
21) Nitrobenzene-d5	9.210	128	144333	21.249	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	155062	21.356	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.445	165	282120	21.291	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	434576	20.830	ng/u1	0.00
46) Dimethylphthalate-d6	14.068	166	859066	20.529	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	987175	21.554	ng/u1	0.00
54) 4-Nitrophenol-d4	14.868	143	169156	20.097	ng/u1	0.00
60) Fluorene-d10	15.645	176	712593	20.715	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	136915	19.354	ng/u1	0.00
73) Anthracene-d10	17.503	188	1102375	21.310	ng/u1	0.00
81) Pyrene-d10	19.792	212	1261281	21.242	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.897	264	1160371	21.406	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.404	88	50008	8.013	ng/uL	96
5) Pyridine	3.822	79	375835	21.529	ng/u1	98
6) Benzaldehyde	7.169	77	238947	23.708	ng/u1	97
8) Phenol	7.187	94	410470	20.615	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.445	93	346931	20.982	ng/u1	99
12) 2-Chlorophenol	7.569	128	294474	20.787	ng/u1	99
13) 2-Methylphenol	8.451	108	299176	20.132	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.522	45	590597m	20.950	ng/u1	
16) Acetophenone	8.863	105	513123	21.168	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.833	70	298648	20.817	ng/u1	100
18) 4-Methylphenol	8.786	108	331532	20.244	ng/u1	99
19) Hexachloroethane	9.081	117	126525	21.169	ng/u1	96
22) Nitrobenzene	9.257	77	420036	21.864	ng/u1	100
23) Isophorone	9.763	82	808015	21.691	ng/u1	100
25) 2-Nitrophenol	9.957	139	171052	21.528	ng/u1	100
26) 2,4-Dimethylphenol	9.992	107	359774	21.305	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.251	93	491268	21.091	ng/u1	100
29) 2,4-Dichlorophenol	10.475	162	278077	21.487	ng/u1	98
30) Naphthalene	10.886	128	998616	21.301	ng/u1	100
32) 4-Chloroaniline	11.022	127	435803	21.611	ng/u1	98
33) Hexachlorobutadiene	11.116	225	159862	21.399	ng/u1	97
34) Caprolactam	11.833	113	98765m	20.901	ng/u1	
35) 4-Chloro-3-methylphenol	12.116	107	339568	21.302	ng/u1	97
36) 2-Methylnaphthalene	12.486	142	672916	20.970	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	693960	21.396	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.833	216	324373	21.340	ng/ul	97
40) Hexachlorocyclopentadiene	12.786	237	176997	17.992	ng/ul	99
41) 2,4,6-Trichlorophenol	13.086	196	217312	21.383	ng/ul	97
42) 2,4,5-Trichlorophenol	13.157	196	233010	21.356	ng/ul	100
43) 1,1'-Biphenyl	13.492	154	876781	21.191	ng/ul	98
44) 2-Chloronaphthalene	13.539	162	678017	21.379	ng/ul	98
45) 2-Nitroaniline	13.774	65	252824	22.175	ng/ul	98
47) Dimethylphthalate	14.115	163	859627	20.643	ng/ul	100
48) 2,6-Dinitrotoluene	14.263	165	162887	21.608	ng/ul	97
50) Acenaphthylene	14.386	152	1152213	21.784	ng/ul	99
51) 3-Nitroaniline	14.598	138	177133	19.935	ng/ul	95
52) Acenaphthene	14.721	153	760692	21.409	ng/ul	100
53) 2,4-Dinitrophenol	14.798	184	90446	17.726	ng/ul	96
55) 4-Nitrophenol	14.880	109	142609	20.886	ng/ul	98
56) Dibenzofuran	15.051	168	1012967	21.221	ng/ul	100
57) 2,4-Dinitrotoluene	15.039	165	243553	21.911	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.268	232	195150	21.312	ng/ul	97
59) Diethylphthalate	15.462	149	900725	21.191	ng/ul	100
61) Fluorene	15.704	166	846829	21.390	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.692	204	415114	21.715	ng/ul	97
63) 4-Nitroaniline	15.762	138	170392	21.441	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.792	198	150152	20.296	ng/ul	96
67) N-Nitrosodiphenylamine	15.915	169	698116	21.729	ng/ul	99
68) 4-Bromophenyl-phenylether	16.586	248	235325	21.665	ng/ul	99
69) Hexachlorobenzene	16.668	284	262773	21.278	ng/ul	98
70) Atrazine	16.862	200	240799	21.843	ng/ul	97
71) Pentachlorophenol	17.033	266	163375	19.523	ng/ul	98
72) Phenanthrene	17.451	178	1324465	21.381	ng/ul	99
74) Anthracene	17.539	178	1354851	21.744	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.445	216	329975	22.053	ng/uL	99
76) Pentachlorobenzene	14.945	250	323607	22.026	ng/uL	98
77) Carbazole	17.821	167	1228146	21.638	ng/ul	100
78) Di-n-butylphthalate	18.345	149	1576928	21.949	ng/ul	100
80) Fluoranthene	19.456	202	1510995	21.490	ng/ul	98
82) Pyrene	19.827	202	1605968	21.725	ng/ul	97
83) Butylbenzylphthalate	20.703	149	710371	22.544	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.509	252	448841	19.287	ng/ul	99
85) Benzo(a)anthracene	21.568	228	1579028	21.366	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.450	149	1078234	23.160	ng/ul#	99
87) Chrysene	21.621	228	1445804	21.273	ng/ul	100
89) Di-n-octyl phthalate	22.397	149	1843062	23.104	ng/ul	100
90) Benzo(b)fluoranthene	23.291	252	1443821	21.515	ng/ul	100
91) Benzo(k)fluoranthene	23.344	252	1465495	22.080	ng/ul	98
93) Benzo(a)pyrene	23.950	252	1365579	21.745	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.650	276	1539744	20.188	ng/ul	99
95) Dibenzo(a,h)anthracene	26.674	278	1278073	20.200	ng/ul	98
96) Benzo(g,h,i)perylene	27.468	276	1167920	19.575	ng/ul	99

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

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