

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
 Data File : BM042281.D
 Acq On : 13 Oct 2023 09:12
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020127

Quant Time: Oct 13 10:47:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 15:38:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	139648	20.000	ng/u1	0.00
20) Naphthalene-d8	10.839	136	633783	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	409751	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.410	188	904674	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	878131	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	977331	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	33544	7.505	ng/uL	0.00
4) Pyridine-d5	3.805	84	243211	18.374	ng/u1	0.00
7) Phenol-d5	7.163	99	292955	18.929	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	201227	19.243	ng/u1	0.00
11) 2-Chlorophenol-d4	7.540	132	209974	19.722	ng/u1	0.01
15) 4-Methylphenol-d8	8.722	113	230628	18.817	ng/u1	0.00
21) Nitrobenzene-d5	9.216	128	112077	20.822	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	122648	21.316	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	222466	21.186	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	332819	20.131	ng/u1	0.00
46) Dimethylphthalate-d6	14.074	166	727291	20.476	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	803607	20.671	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	139390	19.511	ng/u1	0.00
60) Fluorene-d10	15.651	176	603950	20.684	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	120124	18.955	ng/u1	0.00
73) Anthracene-d10	17.510	188	942687	20.341	ng/u1	0.00
81) Pyrene-d10	19.798	212	1107090	20.686	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.903	264	1109533	20.683	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.410	88	35449	7.236	ng/uL	96
5) Pyridine	3.828	79	255839	18.670	ng/u1	99
6) Benzaldehyde	7.175	77	181609	22.955	ng/u1	98
8) Phenol	7.193	94	294521	18.843	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.451	93	249726	19.240	ng/u1	97
12) 2-Chlorophenol	7.569	128	219088	19.702	ng/u1	99
13) 2-Methylphenol	8.457	108	221071	18.951	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.528	45	420564m	19.005	ng/u1	
16) Acetophenone	8.863	105	377273	19.828	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.834	70	211530	18.783	ng/u1	98
18) 4-Methylphenol	8.787	108	241836	18.812	ng/u1	99
19) Hexachloroethane	9.081	117	92586	19.734	ng/u1	96
22) Nitrobenzene	9.257	77	304623	20.009	ng/u1	98
23) Isophorone	9.769	82	587855	19.914	ng/u1	98
25) 2-Nitrophenol	9.957	139	130012	20.648	ng/u1	98
26) 2,4-Dimethylphenol	9.992	107	265213	19.819	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.251	93	357957	19.393	ng/u1	99
29) 2,4-Dichlorophenol	10.475	162	215391	21.002	ng/u1	98
30) Naphthalene	10.892	128	758125	20.406	ng/u1	100
32) 4-Chloroaniline	11.022	127	320671	20.067	ng/u1	97
33) Hexachlorobutadiene	11.116	225	129511	21.877	ng/u1	98
34) Caprolactam	11.833	113	71177	19.008	ng/u1	89
35) 4-Chloro-3-methylphenol	12.116	107	253980	20.106	ng/u1	99
36) 2-Methylnaphthalene	12.492	142	528668	20.789	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	535341	20.828	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.839	216	256267	19.862	ng/ul	97
40) Hexachlorocyclopentadiene	12.786	237	152418	18.253	ng/ul	100
41) 2,4,6-Trichlorophenol	13.092	196	175901	20.391	ng/ul	96
42) 2,4,5-Trichlorophenol	13.157	196	188362	20.339	ng/ul	99
43) 1,1'-Biphenyl	13.498	154	707393	20.143	ng/ul	97
44) 2-Chloronaphthalene	13.545	162	538663	20.011	ng/ul	99
45) 2-Nitroaniline	13.774	65	185831	19.202	ng/ul	94
47) Dimethylphthalate	14.122	163	715954	20.256	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	135134	21.120	ng/ul	93
50) Acenaphthylene	14.386	152	931818	20.755	ng/ul	99
51) 3-Nitroaniline	14.604	138	151040	20.026	ng/ul	95
52) Acenaphthene	14.721	153	611440	20.274	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	77641	17.927	ng/ul	93
55) 4-Nitrophenol	14.886	109	107070	18.475	ng/ul	95
56) Dibenzofuran	15.057	168	831282	20.517	ng/ul	100
57) 2,4-Dinitrotoluene	15.045	165	200317	21.232	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.269	232	164531	21.169	ng/ul	97
59) Diethylphthalate	15.469	149	723851	20.063	ng/ul	98
61) Fluorene	15.704	166	689500	20.518	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.692	204	335949	20.705	ng/ul	98
63) 4-Nitroaniline	15.763	138	150870	22.367	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.792	198	127966	19.308	ng/ul	92
67) N-Nitrosodiphenylamine	15.921	169	581135	20.191	ng/ul	98
68) 4-Bromophenyl-phenylether	16.592	248	200982	20.655	ng/ul	95
69) Hexachlorobenzene	16.674	284	234305	21.178	ng/ul	96
70) Atrazine	16.863	200	192867	19.529	ng/ul	98
71) Pentachlorophenol	17.033	266	144760	19.310	ng/ul	98
72) Phenanthrene	17.451	178	1107580	19.958	ng/ul	99
74) Anthracene	17.545	178	1131931	20.279	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.451	216	262709	19.599	ng/uL	99
76) Pentachlorobenzene	14.951	250	271718	20.645	ng/uL	97
77) Carbazole	17.827	167	1037496	20.405	ng/ul	100
78) Di-n-butylphthalate	18.351	149	1282770	19.931	ng/ul	99
80) Fluoranthene	19.462	202	1303383	20.565	ng/ul	96
82) Pyrene	19.827	202	1366887	20.514	ng/ul	99
83) Butylbenzylphthalate	20.709	149	579814	20.414	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.515	252	451011	21.501	ng/ul	99
85) Benzo(a)anthracene	21.574	228	1356640	20.365	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.456	149	872661	20.795	ng/ul#	97
87) Chrysene	21.633	228	1240357	20.247	ng/ul	100
89) Di-n-octyl phthalate	22.403	149	1503942	19.051	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	1361792	20.506	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	1314450	20.013	ng/ul	98
93) Benzo(a)pyrene	23.956	252	1261281	20.295	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.662	276	1495159	19.809	ng/ul	96
95) Dibenzo(a,h)anthracene	26.685	278	1232634	19.687	ng/ul	97
96) Benzo(g,h,i)perylene	27.479	276	1180012	19.985	ng/ul	95

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

