

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061324\
 Data File : BM046018.D
 Acq On : 13 Jun 2024 11:21
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020120

Quant Time: Jun 13 12:30:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/13/2024
 Supervised By :mohammad ahmed 06/15/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.434	152	109812	20.000	ng/u1	0.00
20) Naphthalene-d8	10.192	136	431466	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.074	164	274116	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	585904	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	614215	20.000	ng/u1	0.00
88) Perylene-d12	23.738	264	735828	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.034	96	19692	6.953	ng/uL	0.00
4) Pyridine-d5	3.446	84	130852	17.943	ng/u1	0.00
7) Phenol-d5	6.687	99	158968	17.040	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	112382	16.776	ng/u1	0.00
11) 2-Chlorophenol-d4	6.992	132	122484	17.577	ng/u1	0.00
15) 4-Methylphenol-d8	8.198	113	117892	16.727	ng/u1	-0.01
21) Nitrobenzene-d5	8.592	128	58687	17.397	ng/u1	0.00
24) 2-Nitrophenol-d4	9.304	143	64123	18.781	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.857	165	116420	18.184	ng/u1	0.00
31) 4-Chloroaniline-d4	10.380	131	155532	17.552	ng/u1	0.00
46) Dimethylphthalate-d6	13.527	166	349893	18.438	ng/u1	0.00
49) Acenaphthylene-d8	13.763	160	391505	17.766	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.380	143	82867	20.234	ng/u1	0.00
60) Fluorene-d10	15.074	176	294409	18.185	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	55150	18.433	ng/u1	0.00
73) Anthracene-d10	16.921	188	456635	17.928	ng/u1	0.00
81) Pyrene-d10	19.221	212	563062	14.741	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	608809	17.703	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.063	88	21221	6.769	ng/uL#	89
5) Pyridine	3.463	79	137658	18.380	ng/u1	94
6) Benzaldehyde	6.604	77	89736	20.451	ng/u1	90
8) Phenol	6.710	94	161850	16.729	ng/u1	87
10) Bis(2-Chloroethyl)ether	6.887	93	130024	16.101	ng/u1	92
12) 2-Chlorophenol	7.022	128	127476	17.365	ng/u1	95
13) 2-Methylphenol	7.928	108	118210	16.686	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	7.981	45	297204	18.686	ng/u1	98
16) Acetophenone	8.269	105	202552	17.244	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.257	70	117181	18.053	ng/u1	87
18) 4-Methylphenol	8.263	108	127913	17.449	ng/u1	96
19) Hexachloroethane	8.492	117	62332	17.678	ng/u1	93
22) Nitrobenzene	8.634	77	177226	18.772	ng/u1	96
23) Isophorone	9.163	82	312088	18.708	ng/u1	100
25) 2-Nitrophenol	9.339	139	67198	18.005	ng/u1	98
26) 2,4-Dimethylphenol	9.439	107	138951	18.352	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.651	93	171508	16.934	ng/u1	99
29) 2,4-Dichlorophenol	9.880	162	114367	17.929	ng/u1	98
30) Naphthalene	10.245	128	400747	17.418	ng/u1	98
32) 4-Chloroaniline	10.404	127	154464	17.833	ng/u1	98
33) Hexachlorobutadiene	10.533	225	77001	17.621	ng/u1	98
34) Caprolactam	11.239	113	38702m	21.542	ng/u1	
35) 4-Chloro-3-methylphenol	11.557	107	129841	18.762	ng/u1	99
36) 2-Methylnaphthalene	11.869	142	264753	17.375	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.092	142	267226	17.541	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.239	216	137896	16.797	ng/ul	97
40) Hexachlorocyclopentadiene	12.227	237	98871	19.844	ng/ul	95
41) 2,4,6-Trichlorophenol	12.516	196	90456	18.938	ng/ul	98
42) 2,4,5-Trichlorophenol	12.598	196	95455	18.416	ng/ul	96
43) 1,1'-Biphenyl	12.904	154	344372	16.933	ng/ul	99
44) 2-Chloronaphthalene	12.939	162	270836	16.994	ng/ul	99
45) 2-Nitroaniline	13.186	65	111215	20.436	ng/ul	91
47) Dimethylphthalate	13.574	163	359403	18.652	ng/ul	99
48) 2,6-Dinitrotoluene	13.680	165	70667	19.063	ng/ul	90
50) Acenaphthylene	13.792	152	454138	17.806	ng/ul	99
51) 3-Nitroaniline	14.027	138	68203	20.037	ng/ul#	96
52) Acenaphthene	14.139	153	300879	17.678	ng/ul	100
53) 2,4-Dinitrophenol	14.221	184	43182	25.584	ng/ul	92
55) 4-Nitrophenol	14.392	109	76650	22.685	ng/ul	90
56) Dibenzofuran	14.480	168	414094	18.042	ng/ul	99
57) 2,4-Dinitrotoluene	14.480	165	105300	20.532	ng/ul#	66
58) 2,3,4,6-Tetrachlorophenol	14.733	232	84998	21.704	ng/ul	98
59) Diethylphthalate	14.939	149	370470	19.201	ng/ul	99
61) Fluorene	15.127	166	344892	18.650	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.139	204	163891	17.855	ng/ul	99
63) 4-Nitroaniline	15.204	138	67522	23.889	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.233	198	61753	18.806	ng/ul#	91
67) N-Nitrosodiphenylamine	15.357	169	282427	17.010	ng/ul	98
68) 4-Bromophenyl-phenylether	16.027	248	100886	16.515	ng/ul	97
69) Hexachlorobenzene	16.133	284	114257	16.913	ng/ul	95
70) Atrazine	16.333	200	86668	17.220	ng/ul	98
71) Pentachlorophenol	16.504	266	90033	26.266	ng/ul	94
72) Phenanthrene	16.862	178	549190	17.789	ng/ul	99
74) Anthracene	16.956	178	563530	18.275	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.863	216	138453	15.237	ng/uL	100
76) Pentachlorobenzene	14.398	250	137114	16.133	ng/uL	96
77) Carbazole	17.251	167	520466	19.781	ng/ul	99
78) Di-n-butylphthalate	17.815	149	668032	19.306	ng/ul	99
80) Fluoranthene	18.886	202	674751	14.571	ng/ul	99
82) Pyrene	19.250	202	709997	14.923	ng/ul	99
83) Butylbenzylphthalate	20.180	149	311716	16.076	ng/ul	91
84) 3,3'-Dichlorobenzidine	20.974	252	212218	17.492	ng/ul	99
85) Benzo(a)anthracene	21.021	228	738250	17.407	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.974	149	465932	16.174	ng/ul	99
87) Chrysene	21.080	228	676177	17.235	ng/ul	99
89) Di-n-octyl phthalate	21.991	149	784298	13.937	ng/ul	100
90) Benzo(b)fluoranthene	22.891	252	750224	16.590	ng/ul	100
91) Benzo(k)fluoranthene	22.950	252	747618	16.927	ng/ul	99
93) Benzo(a)pyrene	23.609	252	719160	18.098	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.715	276	908635	20.939	ng/ul	98
95) Dibenzo(a,h)anthracene	26.762	278	745252	21.714	ng/ul	99
96) Benzo(g,h,i)perylene	27.650	276	737096	19.286	ng/ul	98

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

