

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101723\
 Data File : BM042340.D
 Acq On : 18 Oct 2023 03:31
 Operator : MA/JU
 Sample : SSTDCC020EC
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020135

Quant Time: Oct 18 04:51:36 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	183786	20.000	ng/u1	0.00
20) Naphthalene-d8	10.833	136	796882	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	472379	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	1006058	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	946680	20.000	ng/u1	0.00
88) Perylene-d12	24.050	264	948571	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	49427	8.403	ng/uL	0.00
4) Pyridine-d5	3.805	84	373173	21.422	ng/u1	0.00
7) Phenol-d5	7.157	99	408821	20.072	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.351	67	277187	20.141	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	289319	20.649	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	308010	19.095	ng/u1	0.00
21) Nitrobenzene-d5	9.204	128	142565	21.065	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	152385	21.063	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.439	165	279190	21.147	ng/u1	0.00
31) 4-Chloroaniline-d4	10.992	131	426560	20.520	ng/u1	0.00
46) Dimethylphthalate-d6	14.069	166	854469	20.867	ng/u1	0.00
49) Acenaphthylene-d8	14.351	160	967979	21.598	ng/u1	0.00
54) 4-Nitrophenol-d4	14.863	143	164596	19.984	ng/u1	0.00
60) Fluorene-d10	15.639	176	710451	21.106	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.768	200	135972	19.293	ng/u1	0.00
73) Anthracene-d10	17.504	188	1091011	21.170	ng/u1	0.00
81) Pyrene-d10	19.792	212	1264026	21.908	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.886	264	1122452	21.558	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	51724	8.023	ng/uL	98
5) Pyridine	3.822	79	385807	21.393	ng/u1	98
6) Benzaldehyde	7.169	77	243122	23.350	ng/u1	97
8) Phenol	7.187	94	413015	20.079	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.445	93	344654	20.177	ng/u1	97
12) 2-Chlorophenol	7.563	128	305538	20.877	ng/u1	99
13) 2-Methylphenol	8.451	108	300001	19.541	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.522	45	582537m	20.002	ng/u1	
16) Acetophenone	8.857	105	503414	20.103	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.828	70	293353	19.793	ng/u1	99
18) 4-Methylphenol	8.781	108	328208	19.399	ng/u1	99
19) Hexachloroethane	9.075	117	128794	20.859	ng/u1	98
22) Nitrobenzene	9.251	77	409282	21.382	ng/u1	99
23) Isophorone	9.763	82	789773	21.278	ng/u1	99
25) 2-Nitrophenol	9.951	139	167171	21.116	ng/u1	98
26) 2,4-Dimethylphenol	9.986	107	352776	20.967	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.245	93	481112	20.730	ng/u1	99
29) 2,4-Dichlorophenol	10.469	162	273954	21.246	ng/u1	99
30) Naphthalene	10.886	128	992156	21.240	ng/u1	100
32) 4-Chloroaniline	11.016	127	429730	21.387	ng/u1	100
33) Hexachlorobutadiene	11.110	225	160420	21.552	ng/u1	98
34) Caprolactam	11.833	113	96930m	20.587	ng/u1	
35) 4-Chloro-3-methylphenol	12.110	107	338916	21.338	ng/u1	98
36) 2-Methylnaphthalene	12.486	142	666755	20.853	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	679688	21.032	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.833	216	321596	21.621	ng/ul	98
40) Hexachlorocyclopentadiene	12.780	237	173850	18.060	ng/ul	98
41) 2,4,6-Trichlorophenol	13.086	196	214916	21.611	ng/ul	96
42) 2,4,5-Trichlorophenol	13.151	196	231943	21.725	ng/ul	100
43) 1,1'-Biphenyl	13.486	154	864092	21.343	ng/ul	98
44) 2-Chloronaphthalene	13.539	162	666986	21.493	ng/ul	99
45) 2-Nitroaniline	13.769	65	250709	22.471	ng/ul	99
47) Dimethylphthalate	14.116	163	848560	20.825	ng/ul	100
48) 2,6-Dinitrotoluene	14.257	165	160891	21.811	ng/ul	100
50) Acenaphthylene	14.380	152	1135431	21.937	ng/ul	100
51) 3-Nitroaniline	14.598	138	176394	20.287	ng/ul	99
52) Acenaphthene	14.716	153	753242	21.664	ng/ul	99
53) 2,4-Dinitrophenol	14.798	184	86285	17.282	ng/ul	97
55) 4-Nitrophenol	14.880	109	137035	20.510	ng/ul	98
56) Dibenzofuran	15.051	168	1002274	21.458	ng/ul	100
57) 2,4-Dinitrotoluene	15.039	165	238545	21.932	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.263	232	195147	21.780	ng/ul	98
59) Diethylphthalate	15.463	149	886751	21.319	ng/ul	99
61) Fluorene	15.698	166	838525	21.645	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.686	204	408093	21.816	ng/ul	99
63) 4-Nitroaniline	15.757	138	170219	21.889	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.786	198	147057	19.953	ng/ul	99
67) N-Nitrosodiphenylamine	15.910	169	691505	21.605	ng/ul	99
68) 4-Bromophenyl-phenylether	16.586	248	227405	21.015	ng/ul	98
69) Hexachlorobenzene	16.668	284	258238	20.989	ng/ul	98
70) Atrazine	16.857	200	238918	21.755	ng/ul	98
71) Pentachlorophenol	17.027	266	161067	19.320	ng/ul	97
72) Phenanthrene	17.445	178	1314303	21.297	ng/ul	99
74) Anthracene	17.539	178	1328483	21.402	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.445	216	332531	22.308	ng/uL	99
76) Pentachlorobenzene	14.945	250	321833	21.988	ng/uL	99
77) Carbazole	17.821	167	1216130	21.508	ng/ul	100
78) Di-n-butylphthalate	18.339	149	1564598	21.860	ng/ul	99
80) Fluoranthene	19.451	202	1505763	22.038	ng/ul	99
82) Pyrene	19.821	202	1583710	22.047	ng/ul	100
83) Butylbenzylphthalate	20.698	149	701841	22.921	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.503	252	431972	19.102	ng/ul	98
85) Benzo(a)anthracene	21.562	228	1544339	21.504	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	1061983	23.474	ng/ul	99
87) Chrysene	21.615	228	1415555	21.434	ng/ul	100
89) Di-n-octyl phthalate	22.386	149	1800085	23.494	ng/ul	100
90) Benzo(b)fluoranthene	23.280	252	1413287	21.926	ng/ul	99
91) Benzo(k)fluoranthene	23.333	252	1414352	22.186	ng/ul	99
93) Benzo(a)pyrene	23.939	252	1311159	21.737	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.638	276	1464287	19.988	ng/ul	100
95) Dibenzo(a,h)anthracene	26.662	278	1219242	20.063	ng/ul	99
96) Benzo(g,h,i)perylene	27.450	276	1121361	19.568	ng/ul	99

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

