

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
 Data File : BM042288.D
 Acq On : 13 Oct 2023 17:57
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020128

Quant Time: Oct 14 02:16:30 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	117038	20.000	ng/u1	0.00
20) Naphthalene-d8	10.840	136	530750	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	330045	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.410	188	696481	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	670759	20.000	ng/u1	0.00
88) Perylene-d12	24.068	264	683736	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	29516	7.880	ng/uL	0.00
4) Pyridine-d5	3.805	84	219871	19.820	ng/u1	0.00
7) Phenol-d5	7.163	99	253335	19.531	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.357	67	179276	20.456	ng/u1	0.00
11) 2-Chlorophenol-d4	7.540	132	177635	19.908	ng/u1	0.01
15) 4-Methylphenol-d8	8.722	113	199987	19.469	ng/u1	0.00
21) Nitrobenzene-d5	9.216	128	90918	20.170	ng/u1	0.00
24) 2-Nitrophenol-d4	9.928	143	97047	20.141	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	179998	20.470	ng/u1	0.00
31) 4-Chloroaniline-d4	10.998	131	273926	19.785	ng/u1	0.00
46) Dimethylphthalate-d6	14.075	166	574417	20.077	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	647637	20.683	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	110373	19.180	ng/u1	0.00
60) Fluorene-d10	15.651	176	476560	20.263	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.775	200	88926	18.227	ng/u1	0.00
73) Anthracene-d10	17.510	188	739727	20.733	ng/u1	0.00
81) Pyrene-d10	19.798	212	824949	20.179	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.903	264	778723	20.750	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	33223	8.092	ng/uL	96
5) Pyridine	3.828	79	227187	19.782	ng/u1	99
6) Benzaldehyde	7.175	77	161863	24.411	ng/u1	98
8) Phenol	7.193	94	256547	19.585	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.452	93	225474	20.728	ng/u1	98
12) 2-Chlorophenol	7.569	128	186686	20.031	ng/u1	98
13) 2-Methylphenol	8.457	108	188303	19.261	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.528	45	382978m	20.650	ng/u1	
16) Acetophenone	8.863	105	329135	20.639	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.834	70	189798	20.109	ng/u1	97
18) 4-Methylphenol	8.787	108	207094	19.221	ng/u1	99
19) Hexachloroethane	9.087	117	80619	20.503	ng/u1	98
22) Nitrobenzene	9.257	77	265418	20.819	ng/u1	99
23) Isophorone	9.769	82	506094	20.473	ng/u1	99
25) 2-Nitrophenol	9.963	139	108846	20.642	ng/u1	98
26) 2,4-Dimethylphenol	9.998	107	228512	20.392	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.251	93	318258	20.589	ng/u1	100
29) 2,4-Dichlorophenol	10.481	162	177136	20.625	ng/u1	97
30) Naphthalene	10.893	128	642607	20.655	ng/u1	100
32) 4-Chloroaniline	11.022	127	273820	20.461	ng/u1	100
33) Hexachlorobutadiene	11.116	225	102167	20.608	ng/u1	97
34) Caprolactam	11.840	113	57375	18.297	ng/u1	92
35) 4-Chloro-3-methylphenol	12.116	107	216554	20.471	ng/u1	98
36) 2-Methylnaphthalene	12.492	142	437735	20.555	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	443570	20.608	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.839	216	208599	20.072	ng/ul	97
40) Hexachlorocyclopentadiene	12.787	237	113128	16.820	ng/ul	97
41) 2,4,6-Trichlorophenol	13.092	196	137798	19.832	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	148905	19.962	ng/ul	100
43) 1,1'-Biphenyl	13.498	154	575328	20.339	ng/ul	99
44) 2-Chloronaphthalene	13.545	162	444477	20.499	ng/ul	99
45) 2-Nitroaniline	13.775	65	157660	20.225	ng/ul	98
47) Dimethylphthalate	14.122	163	572406	20.106	ng/ul	100
48) 2,6-Dinitrotoluene	14.263	165	104237	20.225	ng/ul	99
50) Acenaphthylene	14.386	152	754922	20.876	ng/ul	99
51) 3-Nitroaniline	14.604	138	119384	19.652	ng/ul	99
52) Acenaphthene	14.722	153	503090	20.709	ng/ul	99
53) 2,4-Dinitrophenol	14.804	184	55129	15.803	ng/ul	98
55) 4-Nitrophenol	14.886	109	88933	19.051	ng/ul	97
56) Dibenzofuran	15.057	168	675764	20.707	ng/ul	100
57) 2,4-Dinitrotoluene	15.045	165	158363	20.839	ng/ul#	100
58) 2,3,4,6-Tetrachlorophenol	15.275	232	125121	19.986	ng/ul	99
59) Diethylphthalate	15.469	149	601390	20.694	ng/ul	99
61) Fluorene	15.704	166	566143	20.916	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.692	204	266121	20.362	ng/ul	95
63) 4-Nitroaniline	15.763	138	118647	21.837	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.792	198	98632	19.331	ng/ul	96
67) N-Nitrosodiphenylamine	15.916	169	471710	21.288	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	153550	20.497	ng/ul	97
69) Hexachlorobenzene	16.674	284	175430	20.597	ng/ul	98
70) Atrazine	16.863	200	147361	19.382	ng/ul	98
71) Pentachlorophenol	17.039	266	102688	17.793	ng/ul	99
72) Phenanthrene	17.451	178	878831	20.570	ng/ul	100
74) Anthracene	17.545	178	907322	21.114	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.451	216	209089	20.262	ng/uL	99
76) Pentachlorobenzene	14.951	250	206589	20.388	ng/uL	97
77) Carbazole	17.827	167	820541	20.962	ng/ul	100
78) Di-n-butylphthalate	18.351	149	1036856	20.925	ng/ul	100
80) Fluoranthene	19.463	202	984283	20.332	ng/ul	100
82) Pyrene	19.827	202	1061162	20.849	ng/ul	97
83) Butylbenzylphthalate	20.710	149	452810	20.871	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.515	252	310082	19.353	ng/ul	99
85) Benzo(a)anthracene	21.574	228	1033831	20.317	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.457	149	670750	20.925	ng/ul	99
87) Chrysene	21.627	228	962517	20.569	ng/ul	100
89) Di-n-octyl phthalate	22.404	149	1168735	21.162	ng/ul	100
90) Benzo(b)fluoranthene	23.298	252	990382	21.317	ng/ul	99
91) Benzo(k)fluoranthene	23.351	252	957865	20.846	ng/ul	100
93) Benzo(a)pyrene	23.956	252	911552	20.966	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.662	276	1035297	19.606	ng/ul	99
95) Dibenzo(a,h)anthracene	26.686	278	861503	19.667	ng/ul	100
96) Benzo(g,h,i)perylene	27.474	276	796322	19.278	ng/ul	98

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

