

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010824\
 Data File : BM043790.D
 Acq On : 08 Jan 2024 10:46
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020186

Quant Time: Jan 09 00:02:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 29 22:31:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/09/2024
 Supervised By :mohammad ahmed 01/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	310976	20.000	ng/u1	0.00
20) Naphthalene-d8	10.757	136	1217904	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.592	164	659218	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1306754	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1232706	20.000	ng/u1	0.00
88) Perylene-d12	23.944	264	1361954	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.358	96	67834	7.089	ng/uL	-0.01
4) Pyridine-d5	3.787	84	470758	17.094	ng/u1	0.00
7) Phenol-d5	7.122	99	557874	15.770	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	350248	15.633	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.481	132	450364	16.674	ng/u1	0.00
15) 4-Methylphenol-d8	8.675	113	424603	15.467	ng/u1	0.00
21) Nitrobenzene-d5	9.128	128	211187	17.922	ng/u1	0.00
24) 2-Nitrophenol-d4	9.845	143	230315	18.917	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.387	165	410156	19.084	ng/u1	0.00
31) 4-Chloroaniline-d4	10.916	131	537415	16.996	ng/u1	0.00
46) Dimethylphthalate-d6	14.016	166	1054721	17.773	ng/u1	0.00
49) Acenaphthylene-d8	14.286	160	1283884	18.238	ng/u1	0.00
54) 4-Nitrophenol-d4	14.827	143	186100	16.569	ng/u1	0.04
60) Fluorene-d10	15.586	176	909193	18.528	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.727	200	143561	16.611	ng/u1	0.02
73) Anthracene-d10	17.445	188	1353215	18.465	ng/u1	0.00
81) Pyrene-d10	19.733	212	1497334	15.385	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	1536230	18.278	ng/u1	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.393	88	75457	7.138	ng/uL	97
5) Pyridine	3.805	79	497350	17.464	ng/u1	96
6) Benzaldehyde	7.099	77	262958	15.677	ng/u1	97
8) Phenol	7.151	94	558920	16.059	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.381	93	447803	15.849	ng/u1	98
12) 2-Chlorophenol	7.510	128	462596	16.812	ng/u1	99
13) 2-Methylphenol	8.404	108	409801	15.507	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.481	45	757932	15.974	ng/u1	99
16) Acetophenone	8.787	105	632526	15.050	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.769	70	346264	13.804	ng/u1	97
18) 4-Methylphenol	8.740	108	437371	15.271	ng/u1	99
19) Hexachloroethane	9.016	117	185735	16.009	ng/u1	86
22) Nitrobenzene	9.169	77	507761	17.412	ng/u1	99
23) Isophorone	9.698	82	918522	15.527	ng/u1	98
25) 2-Nitrophenol	9.881	139	240239	18.566	ng/u1	96
26) 2,4-Dimethylphenol	9.940	107	412783	17.908	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.181	93	566062	16.206	ng/u1	99
29) 2,4-Dichlorophenol	10.416	162	393050	18.844	ng/u1	96
30) Naphthalene	10.810	128	1411112	18.180	ng/u1	100
32) 4-Chloroaniline	10.939	127	515792	16.964	ng/u1	99
33) Hexachlorobutadiene	11.075	225	229227	21.555	ng/u1	99
34) Caprolactam	11.745	113	107784m	16.171	ng/u1	
35) 4-Chloro-3-methylphenol	12.063	107	393830	16.075	ng/u1	97
36) 2-Methylnaphthalene	12.422	142	910273	17.228	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	928481	17.422	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.781	216	414706	20.647	ng/ul	98
40) Hexachlorocyclopentadiene	12.745	237	179534	14.246	ng/ul	95
41) 2,4,6-Trichlorophenol	13.033	196	276905	19.395	ng/ul	97
42) 2,4,5-Trichlorophenol	13.110	196	295454	19.490	ng/ul	98
43) 1,1'-Biphenyl	13.428	154	1148240	18.273	ng/ul	99
44) 2-Chloronaphthalene	13.475	162	907641	18.839	ng/ul	97
45) 2-Nitroaniline	13.692	65	262231	16.232	ng/ul	98
47) Dimethylphthalate	14.063	163	1042201	17.783	ng/ul	100
48) 2,6-Dinitrotoluene	14.192	165	206119	18.192	ng/ul	96
50) Acenaphthylene	14.316	152	1474448	18.239	ng/ul	99
51) 3-Nitroaniline	14.522	138	225895	17.367	ng/ul	100
52) Acenaphthene	14.657	153	963707	18.088	ng/ul	99
53) 2,4-Dinitrophenol	14.739	184	112271	18.614	ng/ul	93
55) 4-Nitrophenol	14.839	109	138498	15.880	ng/ul	94
56) Dibenzofuran	14.992	168	1286592	18.698	ng/ul	95
57) 2,4-Dinitrotoluene	14.980	165	296643	18.531	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.222	232	229908	19.795	ng/ul	93
59) Diethylphthalate	15.422	149	1041470	17.341	ng/ul	99
61) Fluorene	15.639	166	1068524	18.177	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.639	204	484196	18.725	ng/ul	95
63) 4-Nitroaniline	15.686	138	230245m	19.339	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.739	198	154142	16.705	ng/ul	95
67) N-Nitrosodiphenylamine	15.857	169	853045	16.995	ng/ul	99
68) 4-Bromophenyl-phenylether	16.533	248	288044	18.606	ng/ul	95
69) Hexachlorobenzene	16.639	284	342521	19.312	ng/ul	93
70) Atrazine	16.816	200	164570	14.958	ng/ul	98
71) Pentachlorophenol	16.992	266	181724	16.948	ng/ul	98
72) Phenanthrene	17.386	178	1620388	18.296	ng/ul	100
74) Anthracene	17.480	178	1643611	18.388	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.392	216	412543	19.224	ng/ul	98
76) Pentachlorobenzene	14.904	250	400525	19.167	ng/ul	98
77) Carbazole	17.757	167	1497724	19.633	ng/ul	100
78) Di-n-butylphthalate	18.315	149	1787503	17.923	ng/ul	100
80) Fluoranthene	19.398	202	1799102	14.928	ng/ul	96
82) Pyrene	19.762	202	1907872	15.399	ng/ul	95
83) Butylbenzylphthalate	20.662	149	796380	14.867	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.451	252	510434	16.813	ng/ul#	96
85) Benzo(a)anthracene	21.509	228	1870751	18.149	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.439	149	1047971	13.742	ng/ul	100
87) Chrysene	21.562	228	1707603	18.414	ng/ul	100
89) Di-n-octyl phthalate	22.374	149	1964296	15.077	ng/ul	100
90) Benzo(b)fluoranthene	23.209	252	1881772	18.030	ng/ul	97
91) Benzo(k)fluoranthene	23.256	252	1804288	17.725	ng/ul	97
93) Benzo(a)pyrene	23.839	252	1747713	18.354	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.468	276	2095180	18.427	ng/ul	98
95) Dibenzo(a,h)anthracene	26.485	278	1752840	18.618	ng/ul	96
96) Benzo(g,h,i)perylene	27.238	276	1491257	16.732	ng/ul	97

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

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