

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM010524\
 Data File : BM043773.D
 Acq On : 05 Jan 2024 23:29
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020184

Quant Time: Jan 06 00:52:16 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 01/08/2024
 Supervised By :mohammad ahmed 01/08/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	282300	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	1132739	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	635826	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.351	188	1289820	20.000	ng/u1	0.01
79) Chrysene-d12	21.533	240	1199187	20.000	ng/u1	0.01
88) Perylene-d12	23.956	264	1398539	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.363	96	61604	7.092	ng/uL	0.00
4) Pyridine-d5	3.793	84	420070	16.803	ng/u1	0.00
7) Phenol-d5	7.134	99	520177	16.198	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.293	67	315484	15.512	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	420085	17.133	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	399050	16.013	ng/u1	0.01
21) Nitrobenzene-d5	9.134	128	199409	18.195	ng/u1	0.00
24) 2-Nitrophenol-d4	9.851	143	225653	19.927	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.398	165	395859	19.803	ng/u1	0.02
31) 4-Chloroaniline-d4	10.922	131	518374	17.627	ng/u1	0.01
46) Dimethylphthalate-d6	14.016	166	1036851	18.115	ng/u1	0.00
49) Acenaphthylene-d8	14.292	160	1246655	18.360	ng/u1	0.00
54) 4-Nitrophenol-d4	14.839	143	200159	18.476	ng/u1	0.05
60) Fluorene-d10	15.592	176	881123	18.616	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	156815	18.383	ng/u1	0.02
73) Anthracene-d10	17.451	188	1339101	18.512	ng/u1	0.01
81) Pyrene-d10	19.739	212	1494826	15.789	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.797	264	1550630	17.967	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.399	88	68177	7.104	ng/uL	99
5) Pyridine	3.810	79	433997	16.787	ng/u1	97
6) Benzaldehyde	7.104	77	242973	15.957	ng/u1	97
8) Phenol	7.157	94	509656	16.131	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.387	93	411031	16.025	ng/u1	97
12) 2-Chlorophenol	7.516	128	428887	17.171	ng/u1	96
13) 2-Methylphenol	8.410	108	386535	16.112	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.487	45	670357	15.564	ng/u1	98
16) Acetophenone	8.792	105	587143	15.389	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.775	70	320742	14.085	ng/u1	99
18) 4-Methylphenol	8.745	108	407629	15.678	ng/u1	99
19) Hexachloroethane	9.022	117	182503	17.328	ng/u1	89
22) Nitrobenzene	9.175	77	474870	17.508	ng/u1	100
23) Isophorone	9.704	82	871062	15.832	ng/u1	99
25) 2-Nitrophenol	9.886	139	231896	19.269	ng/u1	96
26) 2,4-Dimethylphenol	9.945	107	388670	18.129	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.186	93	529332	16.294	ng/u1	100
29) 2,4-Dichlorophenol	10.422	162	376653	19.416	ng/u1	97
30) Naphthalene	10.816	128	1312987	18.187	ng/u1	100
32) 4-Chloroaniline	10.945	127	499814	17.674	ng/u1	100
33) Hexachlorobutadiene	11.081	225	219677	22.210	ng/u1	99
34) Caprolactam	11.757	113	113843	18.364	ng/u1	99
35) 4-Chloro-3-methylphenol	12.075	107	392148	17.210	ng/u1	97
36) 2-Methylnaphthalene	12.427	142	856070	17.420	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.645	142	866659	17.485	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.786	216	394086	20.342	ng/ul	96
40) Hexachlorocyclopentadiene	12.751	237	193526	15.921	ng/ul	98
41) 2,4,6-Trichlorophenol	13.039	196	275487	20.005	ng/ul	99
42) 2,4,5-Trichlorophenol	13.116	196	289150	19.776	ng/ul	99
43) 1,1'-Biphenyl	13.433	154	1094712	18.062	ng/ul	99
44) 2-Chloronaphthalene	13.474	162	860053	18.508	ng/ul	99
45) 2-Nitroaniline	13.698	65	262221	16.828	ng/ul	94
47) Dimethylphthalate	14.069	163	1017560	18.002	ng/ul	99
48) 2,6-Dinitrotoluene	14.198	165	209147	19.138	ng/ul	94
50) Acenaphthylene	14.321	152	1424868	18.274	ng/ul	99
51) 3-Nitroaniline	14.527	138	234236	18.671	ng/ul	98
52) Acenaphthene	14.663	153	930413	18.105	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	131269	22.564	ng/ul	95
55) 4-Nitrophenol	14.851	109	145914	17.346	ng/ul	96
56) Dibenzofuran	14.998	168	1243382	18.735	ng/ul	97
57) 2,4-Dinitrotoluene	14.986	165	304109	19.696	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.227	232	231727	20.685	ng/ul	93
59) Diethylphthalate	15.427	149	1055021	18.213	ng/ul	98
61) Fluorene	15.651	166	1052555	18.564	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.645	204	469409	18.821	ng/ul	96
63) 4-Nitroaniline	15.692	138	249333m	21.713	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.745	198	168458	18.497	ng/ul	92
67) N-Nitrosodiphenylamine	15.863	169	845214	17.061	ng/ul	98
68) 4-Bromophenyl-phenylether	16.539	248	282916	18.514	ng/ul	93
69) Hexachlorobenzene	16.645	284	341133	19.486	ng/ul	92
70) Atrazine	16.821	200	198948	18.321	ng/ul	97
71) Pentachlorophenol	16.998	266	201620	19.050	ng/ul	98
72) Phenanthrene	17.392	178	1578555	18.057	ng/ul	100
74) Anthracene	17.486	178	1619416	18.355	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	394217	18.611	ng/ul	100
76) Pentachlorobenzene	14.910	250	388546	18.838	ng/ul	97
77) Carbazole	17.762	167	1501758	19.944	ng/ul	99
78) Di-n-butylphthalate	18.321	149	1884871	19.148	ng/ul	99
80) Fluoranthene	19.404	202	1778910	15.173	ng/ul	96
82) Pyrene	19.768	202	1859708	15.429	ng/ul	97
83) Butylbenzylphthalate	20.674	149	879141	16.871	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.456	252	542955	18.384	ng/ul#	97
85) Benzo(a)anthracene	21.515	228	1821366	18.164	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	1285134	17.323	ng/ul	99
87) Chrysene	21.574	228	1670924	18.522	ng/ul	99
89) Di-n-octyl phthalate	22.386	149	2240331	16.746	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	1804785	16.840	ng/ul	98
91) Benzo(k)fluoranthene	23.268	252	1852117	17.719	ng/ul	98
93) Benzo(a)pyrene	23.850	252	1747278	17.869	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.485	276	2229498	19.096	ng/ul	98
95) Dibenzo(a,h)anthracene	26.503	278	1849521	19.131	ng/ul	97
96) Benzo(g,h,i)perylene	27.262	276	1725424	18.853	ng/ul	95

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

