

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041124\
 Data File : BM045203.D
 Acq On : 13 Apr 2024 11:43
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTD020099

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/16/2024

Quant Time: Apr 15 06:05:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Apr 11 18:54:49 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.610	152	56477	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.381	136	238612	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.257	164	146653	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.015	188	280918	20.000	ng/u1	-0.01
79) Chrysene-d12	21.227	240	209763	20.000	ng/u1	0.00
88) Perylene-d12	23.439	264	205506	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	10618	7.020	ng/uL	0.00
4) Pyridine-d5	3.599	84	73013	17.752	ng/u1	0.00
7) Phenol-d5	6.793	99	88369	18.457	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.963	67	58826	20.622	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.145	132	76808	20.477	ng/u1	0.00
15) 4-Methylphenol-d8	8.316	113	73403	19.586	ng/u1	-0.01
21) Nitrobenzene-d5	8.769	128	38055	20.763	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.481	143	40195	20.777	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.010	165	73398	20.693	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.539	131	102481	18.148	ng/u1	-0.01
46) Dimethylphthalate-d6	13.680	166	208237	20.393	ng/u1	-0.01
49) Acenaphthylene-d8	13.945	160	247704	20.534	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.498	143	27109	12.721	ng/u1	0.00
60) Fluorene-d10	15.257	176	176438	19.382	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.404	200	27248	16.359	ng/u1	0.00
73) Anthracene-d10	17.115	188	256448	20.293	ng/u1	-0.01
81) Pyrene-d10	19.421	212	270331	26.173	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.297	264	205527	20.501	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.234	88	11928	7.552	ng/uL	90
5) Pyridine	3.616	79	73723	16.917	ng/u1#	90
6) Benzaldehyde	6.781	77	55946	25.207	ng/u1	97
8) Phenol	6.816	94	94255	19.011	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.057	93	79902	20.649	ng/u1	97
12) 2-Chlorophenol	7.175	128	80434	20.436	ng/u1	97
13) 2-Methylphenol	8.051	108	71428	19.518	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.134	45	93459	20.250	ng/u1	95
16) Acetophenone	8.440	105	119370	19.592	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.422	70	59818	20.793	ng/u1	96
18) 4-Methylphenol	8.381	108	77560	19.663	ng/u1	93
19) Hexachloroethane	8.657	117	35859	20.714	ng/u1	98
22) Nitrobenzene	8.816	77	95668	21.275	ng/u1	97
23) Isophorone	9.334	82	168146	20.352	ng/u1	99
25) 2-Nitrophenol	9.516	139	44238	20.603	ng/u1	92
26) 2,4-Dimethylphenol	9.575	107	82936	20.035	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.816	93	102125	20.851	ng/u1	99
29) 2,4-Dichlorophenol	10.039	162	72036	20.102	ng/u1	95
30) Naphthalene	10.428	128	257539	20.389	ng/u1	98
32) 4-Chloroaniline	10.563	127	100963	18.374	ng/u1	95
33) Hexachlorobutadiene	10.692	225	45874	20.589	ng/u1	98
34) Caprolactam	11.363	113	21570m	17.829	ng/u1	
35) 4-Chloro-3-methylphenol	11.692	107	71637	20.110	ng/u1	98
36) 2-Methylnaphthalene	12.051	142	169707	20.577	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.275	142	171358	20.532	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.422	216	84804	21.144	ng/ul	96
40) Hexachlorocyclopentadiene	12.380	237	43473	17.906	ng/ul#	97
41) 2,4,6-Trichlorophenol	12.680	196	53855	20.584	ng/ul	99
42) 2,4,5-Trichlorophenol	12.757	196	58511	20.297	ng/ul	93
43) 1,1'-Biphenyl	13.080	154	217789	21.031	ng/ul	97
44) 2-Chloronaphthalene	13.122	162	173261	20.593	ng/ul	99
45) 2-Nitroaniline	13.357	65	47187	20.318	ng/ul	99
47) Dimethylphthalate	13.727	163	216405	20.276	ng/ul	99
48) 2,6-Dinitrotoluene	13.863	165	41424	19.802	ng/ul#	85
50) Acenaphthylene	13.974	152	289582	20.554	ng/ul	99
51) 3-Nitroaniline	14.198	138	40660	17.819	ng/ul	93
52) Acenaphthene	14.321	153	190921	20.308	ng/ul	99
53) 2,4-Dinitrophenol	14.416	184	14430	11.602	ng/ul#	86
55) 4-Nitrophenol	14.510	109	25528	13.621	ng/ul	92
56) Dibenzofuran	14.663	168	253214	19.683	ng/ul	99
57) 2,4-Dinitrotoluene	14.657	165	58178	18.580	ng/ul	86
58) 2,3,4,6-Tetrachlorophenol	14.892	232	47275	19.162	ng/ul	99
59) Diethylphthalate	15.104	149	211795	19.451	ng/ul	97
61) Fluorene	15.316	166	202514	18.677	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.316	204	96244	18.937	ng/ul	100
63) 4-Nitroaniline	15.368	138	36948m	17.810	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.416	198	29760	16.684	ng/ul#	98
67) N-Nitrosodiphenylamine	15.533	169	163055	21.517	ng/ul	100
68) 4-Bromophenyl-phenylether	16.210	248	58541	21.397	ng/ul	95
69) Hexachlorobenzene	16.310	284	76105	21.384	ng/ul	94
70) Atrazine	16.504	200	53939	19.350	ng/ul	97
71) Pentachlorophenol	16.668	266	36252	16.769	ng/ul	97
72) Phenanthrene	17.057	178	309054	20.444	ng/ul	98
74) Anthracene	17.151	178	312976	20.239	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.039	216	84763	23.940	ng/uL	96
76) Pentachlorobenzene	14.569	250	83846	22.257	ng/uL	93
77) Carbazole	17.439	167	272708	18.289	ng/ul	99
78) Di-n-butylphthalate	18.004	149	323382	19.231	ng/ul	99
80) Fluoranthene	19.086	202	321476	26.389	ng/ul	100
82) Pyrene	19.451	202	340685	25.915	ng/ul	100
83) Butylbenzylphthalate	20.374	149	118030	21.429	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.162	252	78407	16.811	ng/ul	94
85) Benzo(a)anthracene	21.209	228	290616	20.419	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.156	149	157294	18.270	ng/ul	98
87) Chrysene	21.262	228	264398	19.927	ng/ul	98
89) Di-n-octyl phthalate	22.033	149	230183	17.802	ng/ul	100
90) Benzo(b)fluoranthene	22.774	252	249212	20.806	ng/ul	99
91) Benzo(k)fluoranthene	22.821	252	256013	21.236	ng/ul	99
93) Benzo(a)pyrene	23.344	252	237746	20.395	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	25.656	276	282894	18.735	ng/ul	99
95) Dibenzo(a,h)anthracene	25.674	278	229308	18.163	ng/ul	97
96) Benzo(g,h,i)perylene	26.338	276	243161	20.412	ng/ul	96

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

