

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030824\
 Data File : BM044568.D
 Acq On : 08 Mar 2024 17:00
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020070

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/09/2024
 Supervised By :mohammad ahmed 03/09/2024

Quant Time: Mar 08 17:45:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM030524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 05 23:05:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	300835	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.498	136	1369853	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.363	164	859994	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.115	188	1736631	20.000	ng/u1	0.00
79) Chrysene-d12	21.309	240	1467648	20.000	ng/u1	0.00
88) Perylene-d12	23.568	264	1441093	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	60130	6.779	ng/uL	-0.01
4) Pyridine-d5	3.669	84	449741	17.227	ng/u1	-0.01
7) Phenol-d5	6.887	99	557235	18.016	ng/u1	-0.02
9) Bis-(2-Chloroethyl)eth...	7.063	67	357121	18.693	ng/u1	-0.02
11) 2-Chlorophenol-d4	7.251	132	424867	18.693	ng/u1	-0.02
15) 4-Methylphenol-d8	8.422	113	442579	18.220	ng/u1	-0.02
21) Nitrobenzene-d5	8.881	128	222261	19.268	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.592	143	244141	19.633	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.122	165	426421	20.149	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.645	131	669703	19.053	ng/u1	-0.02
46) Dimethylphthalate-d6	13.780	166	1266392	18.772	ng/u1	-0.01
49) Acenaphthylene-d8	14.051	160	1464179	18.978	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.574	143	255805	18.285	ng/u1	0.00
60) Fluorene-d10	15.357	176	1066876	18.819	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.486	200	211772	18.786	ng/u1	0.00
73) Anthracene-d10	17.215	188	1629549	19.631	ng/u1	0.00
81) Pyrene-d10	19.515	212	1811464	20.124	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.421	264	1450365	19.148	ng/u1	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.305	88	62707	6.829	ng/uL	95
5) Pyridine	3.687	79	465530	17.193	ng/u1	97
6) Benzaldehyde	6.875	77	316387	23.485	ng/u1	96
8) Phenol	6.916	94	570944	18.087	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.157	93	474240	18.296	ng/u1	98
12) 2-Chlorophenol	7.281	128	436230	18.608	ng/u1	98
13) 2-Methylphenol	8.157	108	433518	18.098	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.240	45	678339	19.817	ng/u1	99
16) Acetophenone	8.545	105	723641	19.209	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.528	70	384535	19.757	ng/u1	97
18) 4-Methylphenol	8.487	108	480259	18.418	ng/u1	94
19) Hexachloroethane	8.781	117	176883	18.419	ng/u1	94
22) Nitrobenzene	8.922	77	541937	19.811	ng/u1	98
23) Isophorone	9.439	82	1088876	19.510	ng/u1	98
25) 2-Nitrophenol	9.622	139	263853	19.463	ng/u1	98
26) 2,4-Dimethylphenol	9.681	107	471509	19.115	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.928	93	679440	19.358	ng/u1	99
29) 2,4-Dichlorophenol	10.145	162	422755	20.009	ng/u1	99
30) Naphthalene	10.551	128	1510000	19.463	ng/u1	100
32) 4-Chloroaniline	10.669	127	648207	19.129	ng/u1	99
33) Hexachlorobutadiene	10.822	225	240166	20.280	ng/u1	97
34) Caprolactam	11.451	113	144384m	17.547	ng/u1	
35) 4-Chloro-3-methylphenol	11.792	107	482052	19.674	ng/u1	98
36) 2-Methylnaphthalene	12.169	142	1032901	20.020	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.386	142	1006513	19.776	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.533	216	481248	19.670	ng/ul	98
40) Hexachlorocyclopentadiene	12.504	237	348185	21.438	ng/ul	99
41) 2,4,6-Trichlorophenol	12.780	196	331873	19.349	ng/ul	99
42) 2,4,5-Trichlorophenol	12.851	196	356568	19.398	ng/ul	99
43) 1,1'-Biphenyl	13.192	154	1305806	19.121	ng/ul	100
44) 2-Chloronaphthalene	13.227	162	1021832	19.067	ng/ul	99
45) 2-Nitroaniline	13.451	65	329825	19.604	ng/ul	97
47) Dimethylphthalate	13.827	163	1296076	18.880	ng/ul	100
48) 2,6-Dinitrotoluene	13.957	165	254995	18.597	ng/ul	98
50) Acenaphthylene	14.080	152	1727013	19.206	ng/ul	99
51) 3-Nitroaniline	14.280	138	283693	19.155	ng/ul	98
52) Acenaphthene	14.427	153	1127908	19.080	ng/ul	99
53) 2,4-Dinitrophenol	14.492	184	159968	18.239	ng/ul	98
55) 4-Nitrophenol	14.586	109	181665	18.533	ng/ul	95
56) Dibenzofuran	14.763	168	1515187	19.269	ng/ul	99
57) 2,4-Dinitrotoluene	14.745	165	372307	18.810	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.986	232	291419	19.158	ng/ul	98
59) Diethylphthalate	15.204	149	1318139	18.502	ng/ul	99
61) Fluorene	15.416	166	1237360	19.240	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.416	204	588610	19.720	ng/ul	99
63) 4-Nitroaniline	15.451	138	277503	19.604	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.504	198	227431	18.880	ng/ul	97
67) N-Nitrosodiphenylamine	15.633	169	1028244	19.659	ng/ul	99
68) 4-Bromophenyl-phenylether	16.316	248	354846	20.429	ng/ul	95
69) Hexachlorobenzene	16.410	284	409277	20.686	ng/ul	96
70) Atrazine	16.598	200	344427	20.151	ng/ul	98
71) Pentachlorophenol	16.763	266	252686	19.342	ng/ul	98
72) Phenanthrene	17.157	178	1915252	19.441	ng/ul	100
74) Anthracene	17.251	178	1966158	19.734	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.145	216	471958	20.347	ng/uL	98
76) Pentachlorobenzene	14.674	250	466553	20.805	ng/uL	99
77) Carbazole	17.527	167	1817224	19.410	ng/ul	99
78) Di-n-butylphthalate	18.098	149	2340325	18.584	ng/ul	100
80) Fluoranthene	19.180	202	2183070	20.365	ng/ul	98
82) Pyrene	19.545	202	2269862	20.338	ng/ul	98
83) Butylbenzylphthalate	20.462	149	1001617	18.252	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.239	252	641617	20.210	ng/ul	99
85) Benzo(a)anthracene	21.298	228	2104408	19.094	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.239	149	1526226	19.075	ng/ul	99
87) Chrysene	21.350	228	1919187	18.808	ng/ul	100
89) Di-n-octyl phthalate	22.133	149	2469316	19.147	ng/ul	100
90) Benzo(b)fluoranthene	22.886	252	1865490	19.346	ng/ul	100
91) Benzo(k)fluoranthene	22.933	252	1873581	19.838	ng/ul	99
93) Benzo(a)pyrene	23.468	252	1703776	18.888	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.844	276	1830143	18.089	ng/ul	98
95) Dibenzo(a,h)anthracene	25.862	278	1543053	18.291	ng/ul	99
96) Benzo(g,h,i)perylene	26.538	276	1417296	17.554	ng/ul	98

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

