

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041524\
 Data File : BM045309.D
 Acq On : 17 Apr 2024 09:27
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020104

Quant Time: Apr 17 11:07:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 15 22:24:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/17/2024
 Supervised By :mohammad ahmed 04/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	48965	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.345	136	195828	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.227	164	119552	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.986	188	232630	20.000	ng/u1	-0.01
79) Chrysene-d12	21.197	240	237931	20.000	ng/u1	-0.01
88) Perylene-d12	23.397	264	301290	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.175	96	10301	7.856	ng/uL	0.00
4) Pyridine-d5	3.575	84	60959	17.095	ng/u1	0.00
7) Phenol-d5	6.757	99	73531	17.714	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	6.934	67	48748	19.711	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.110	132	65415	20.115	ng/u1	-0.01
15) 4-Methylphenol-d8	8.286	113	58786	18.093	ng/u1	-0.01
21) Nitrobenzene-d5	8.739	128	30429	20.229	ng/u1	0.00
24) 2-Nitrophenol-d4	9.445	143	32676	20.581	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	9.980	165	59834	20.555	ng/u1	0.00
31) 4-Chloroaniline-d4	10.504	131	84331	18.196	ng/u1	-0.02
46) Dimethylphthalate-d6	13.651	166	168007	20.183	ng/u1	-0.01
49) Acenaphthylene-d8	13.916	160	197627	20.097	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.463	143	26216	15.091	ng/u1	-0.01
60) Fluorene-d10	15.227	176	142797	19.242	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.374	200	23405	16.969	ng/u1	-0.01
73) Anthracene-d10	17.086	188	217943	20.826	ng/u1	-0.01
81) Pyrene-d10	19.392	212	238911	20.392	ng/u1	-0.01
92) Benzo(a)pyrene-d12	23.256	264	298067	20.280	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.210	88	9933	7.253	ng/uL	91
5) Pyridine	3.593	79	65198	17.256	ng/u1	97
6) Benzaldehyde	6.745	77	46357	24.091	ng/u1	89
8) Phenol	6.787	94	76561	17.811	ng/u1#	94
10) Bis(2-Chloroethyl)ether	7.022	93	65903	19.644	ng/u1	97
12) 2-Chlorophenol	7.139	128	67428	19.759	ng/u1	94
13) 2-Methylphenol	8.022	108	57574	18.146	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.098	45	77743	19.429	ng/u1#	95
16) Acetophenone	8.404	105	97717	18.498	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.386	70	47342	18.981	ng/u1#	90
18) 4-Methylphenol	8.351	108	62366	18.236	ng/u1	99
19) Hexachloroethane	8.622	117	31766	21.165	ng/u1	97
22) Nitrobenzene	8.781	77	78134	21.172	ng/u1	95
23) Isophorone	9.298	82	135984	20.055	ng/u1	98
25) 2-Nitrophenol	9.481	139	36369	20.638	ng/u1	92
26) 2,4-Dimethylphenol	9.539	107	67736	19.938	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.786	93	84140	20.932	ng/u1	99
29) 2,4-Dichlorophenol	10.004	162	60264	20.491	ng/u1	94
30) Naphthalene	10.392	128	206743	19.943	ng/u1	99
32) 4-Chloroaniline	10.528	127	80789	17.915	ng/u1	98
33) Hexachlorobutadiene	10.657	225	38765	21.199	ng/u1	93
34) Caprolactam	11.333	113	15305m	15.415	ng/u1	
35) 4-Chloro-3-methylphenol	11.657	107	56951	19.480	ng/u1	97
36) 2-Methylnaphthalene	12.016	142	136877	20.222	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.239	142	134574	19.647	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.386	216	67016	20.497	ng/ul	97
40) Hexachlorocyclopentadiene	12.351	237	43294	21.874	ng/ul	98
41) 2,4,6-Trichlorophenol	12.645	196	43307	20.305	ng/ul	91
42) 2,4,5-Trichlorophenol	12.721	196	46774	19.904	ng/ul	93
43) 1,1'-Biphenyl	13.051	154	174571	20.679	ng/ul	98
44) 2-Chloronaphthalene	13.092	162	141014	20.560	ng/ul	99
45) 2-Nitroaniline	13.327	65	38358	20.260	ng/ul	99
47) Dimethylphthalate	13.704	163	174335	20.037	ng/ul#	98
48) 2,6-Dinitrotoluene	13.833	165	32278	18.928	ng/ul#	83
50) Acenaphthylene	13.945	152	231082	20.120	ng/ul	98
51) 3-Nitroaniline	14.168	138	33511	18.015	ng/ul	86
52) Acenaphthene	14.292	153	152041	19.839	ng/ul	99
53) 2,4-Dinitrophenol	14.386	184	13669	13.482	ng/ul	98
55) 4-Nitrophenol	14.480	109	24871	16.279	ng/ul#	79
56) Dibenzofuran	14.627	168	201829	19.245	ng/ul	96
57) 2,4-Dinitrotoluene	14.627	165	47838	18.741	ng/ul#	80
58) 2,3,4,6-Tetrachlorophenol	14.863	232	37402	18.596	ng/ul#	97
59) Diethylphthalate	15.074	149	178070	20.061	ng/ul	98
61) Fluorene	15.286	166	163632	18.512	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.286	204	75809	18.298	ng/ul	98
63) 4-Nitroaniline	15.345	138	30321m	17.929	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.392	198	24709	16.728	ng/ul	97
67) N-Nitrosodiphenylamine	15.510	169	135826	21.644	ng/ul	99
68) 4-Bromophenyl-phenylether	16.186	248	49032	21.641	ng/ul	98
69) Hexachlorobenzene	16.280	284	61563	20.889	ng/ul	93
70) Atrazine	16.474	200	45189	19.576	ng/ul	98
71) Pentachlorophenol	16.639	266	31315	17.492	ng/ul	96
72) Phenanthrene	17.027	178	259819	20.754	ng/ul	99
74) Anthracene	17.121	178	264601	20.663	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.004	216	66250	22.595	ng/uL	97
76) Pentachlorobenzene	14.539	250	67803	21.734	ng/uL	95
77) Carbazole	17.409	167	235668	19.086	ng/ul	98
78) Di-n-butylphthalate	17.974	149	303689	21.809	ng/ul	99
80) Fluoranthene	19.056	202	287472	20.804	ng/ul	99
82) Pyrene	19.421	202	307745	20.638	ng/ul	98
83) Butylbenzylphthalate	20.350	149	131072	20.980	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.133	252	100919	19.076	ng/ul	98
85) Benzo(a)anthracene	21.186	228	313977	19.448	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.133	149	205757	21.069	ng/ul	98
87) Chrysene	21.239	228	297831	19.790	ng/ul	100
89) Di-n-octyl phthalate	22.009	149	357551	18.862	ng/ul	100
90) Benzo(b)fluoranthene	22.738	252	347572	19.793	ng/ul	97
91) Benzo(k)fluoranthene	22.786	252	356697	20.181	ng/ul	99
93) Benzo(a)pyrene	23.303	252	343812	20.117	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.597	276	460260	20.790	ng/ul	99
95) Dibenzo(a,h)anthracene	25.609	278	391066	21.128	ng/ul	98
96) Benzo(g,h,i)perylene	26.268	276	376217	21.542	ng/ul	98

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

