

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061424\
 Data File : BM046041.D
 Acq On : 14 Jun 2024 16:21
 Operator : MA/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD020123

Quant Time: Jun 14 23:55:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM053124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 16:01:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/17/2024
 Supervised By :mohammad ahmed 06/18/2024

06/17/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.428	152	150535	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.192	136	618970	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.074	164	385030	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.821	188	763060	20.000	ng/u1	0.00
79) Chrysene-d12	21.039	240	718931	20.000	ng/u1	0.00
88) Perylene-d12	23.744	264	847841	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.034	96	23614	6.082	ng/uL	0.00
4) Pyridine-d5	3.446	84	160774	16.082	ng/u1	0.00
7) Phenol-d5	6.687	99	224015	17.517	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.798	67	154570	16.832	ng/u1	0.00
11) 2-Chlorophenol-d4	6.992	132	169745	17.770	ng/u1	0.00
15) 4-Methylphenol-d8	8.198	113	171838	17.786	ng/u1	-0.01
21) Nitrobenzene-d5	8.592	128	84155	17.389	ng/u1	0.00
24) 2-Nitrophenol-d4	9.304	143	91869	18.757	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.851	165	173035	18.839	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.380	131	224719	17.678	ng/u1	0.00
46) Dimethylphthalate-d6	13.521	166	471575	17.691	ng/u1	-0.01
49) Acenaphthylene-d8	13.763	160	555759	17.955	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.380	143	109884	19.101	ng/u1	0.00
60) Fluorene-d10	15.074	176	403527	17.745	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.221	200	67100	17.220	ng/u1	0.00
73) Anthracene-d10	16.921	188	601957	18.146	ng/u1	0.00
81) Pyrene-d10	19.227	212	685230	15.326	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.556	264	704673	17.783	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.069	88	25366m	5.903	ng/uL	
5) Pyridine	3.463	79	174825	17.028	ng/u1	91
6) Benzaldehyde	6.604	77	122749	20.407	ng/u1	93
8) Phenol	6.716	94	229352	17.293	ng/u1	94
10) Bis(2-Chloroethyl)ether	6.887	93	184336	16.652	ng/u1	95
12) 2-Chlorophenol	7.022	128	178964	17.783	ng/u1	97
13) 2-Methylphenol	7.928	108	168154	17.315	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	7.975	45	418958	19.215	ng/u1	99
16) Acetophenone	8.269	105	282001	17.513	ng/u1	93
17) N-Nitroso-di-n-propyla...	8.257	70	162528	18.266	ng/u1	88
18) 4-Methylphenol	8.263	108	179165	17.829	ng/u1	96
19) Hexachloroethane	8.492	117	80274	16.608	ng/u1	97
22) Nitrobenzene	8.634	77	249471	18.419	ng/u1	97
23) Isophorone	9.163	82	444505	18.574	ng/u1	98
25) 2-Nitrophenol	9.333	139	98452	18.388	ng/u1	91
26) 2,4-Dimethylphenol	9.439	107	192801	17.750	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.645	93	242211	16.670	ng/u1	99
29) 2,4-Dichlorophenol	9.880	162	168844	18.451	ng/u1	97
30) Naphthalene	10.239	128	579724	17.564	ng/u1	98
32) 4-Chloroaniline	10.404	127	216070	17.389	ng/u1	96
33) Hexachlorobutadiene	10.533	225	114007	18.187	ng/u1	97
34) Caprolactam	11.227	113	50178m	19.469	ng/u1	
35) 4-Chloro-3-methylphenol	11.557	107	181691	18.301	ng/u1	98
36) 2-Methylnaphthalene	11.863	142	377547	17.271	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.092	142	383151	17.532	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.239	216	202205	17.535	ng/ul	97
40) Hexachlorocyclopentadiene	12.222	237	91830	13.121	ng/ul	95
41) 2,4,6-Trichlorophenol	12.516	196	128600	19.168	ng/ul	99
42) 2,4,5-Trichlorophenol	12.598	196	139955	19.224	ng/ul	98
43) 1,1'-Biphenyl	12.904	154	487700	17.072	ng/ul	99
44) 2-Chloronaphthalene	12.939	162	386706	17.275	ng/ul	99
45) 2-Nitroaniline	13.186	65	156570	20.482	ng/ul	93
47) Dimethylphthalate	13.574	163	475887	17.582	ng/ul	99
48) 2,6-Dinitrotoluene	13.680	165	96825	18.595	ng/ul	91
50) Acenaphthylene	13.792	152	640182	17.870	ng/ul	100
51) 3-Nitroaniline	14.033	138	96993	20.286	ng/ul	96
52) Acenaphthene	14.139	153	424743	17.767	ng/ul	98
53) 2,4-Dinitrophenol	14.227	184	50580	21.335	ng/ul	89
55) 4-Nitrophenol	14.392	109	100229	21.118	ng/ul	92
56) Dibenzofuran	14.480	168	571548	17.729	ng/ul	100
57) 2,4-Dinitrotoluene	14.480	165	144164	20.012	ng/ul#	69
58) 2,3,4,6-Tetrachlorophenol	14.733	232	119171	21.664	ng/ul	96
59) Diethylphthalate	14.939	149	493680	18.216	ng/ul	99
61) Fluorene	15.127	166	476335	18.338	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.139	204	228330	17.710	ng/ul	98
63) 4-Nitroaniline	15.210	138	92477	23.293	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.239	198	73364	17.155	ng/ul	92
67) N-Nitrosodiphenylamine	15.357	169	383766	17.747	ng/ul	99
68) 4-Bromophenyl-phenylether	16.027	248	138670	17.430	ng/ul	98
69) Hexachlorobenzene	16.133	284	156882	17.831	ng/ul	96
70) Atrazine	16.333	200	110884	16.917	ng/ul	97
71) Pentachlorophenol	16.504	266	116521	26.101	ng/ul	98
72) Phenanthrene	16.868	178	723223	17.988	ng/ul	99
74) Anthracene	16.956	178	735975	18.326	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.863	216	201935	17.064	ng/uL	99
76) Pentachlorobenzene	14.398	250	191044	17.260	ng/uL	98
77) Carbazole	17.251	167	659852	19.256	ng/ul	99
78) Di-n-butylphthalate	17.815	149	842516	18.696	ng/ul	99
80) Fluoranthene	18.892	202	836202	15.428	ng/ul	99
82) Pyrene	19.256	202	875952	15.730	ng/ul	98
83) Butylbenzylphthalate	20.180	149	386862	17.046	ng/ul	90
84) 3,3'-Dichlorobenzidine	20.974	252	240080	16.906	ng/ul	100
85) Benzo(a)anthracene	21.021	228	864633	17.418	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	20.974	149	577828	17.136	ng/ul	100
87) Chrysene	21.080	228	800762	17.437	ng/ul	99
89) Di-n-octyl phthalate	21.991	149	986019	15.207	ng/ul	100
90) Benzo(b)fluoranthene	22.897	252	873796	16.770	ng/ul	100
91) Benzo(k)fluoranthene	22.956	252	863330	16.964	ng/ul	99
93) Benzo(a)pyrene	23.615	252	833934	18.214	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.732	276	1030547	20.611	ng/ul	100
95) Dibenzo(a,h)anthracene	26.768	278	848767	21.463	ng/ul	99
96) Benzo(g,h,i)perylene	27.656	276	834015	18.939	ng/ul	98

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

