

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061392.D
 Acq On : 31 May 2024 14:07
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020507

Quant Time: May 31 15:01:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	33665	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	134602	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	114380	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	293978	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.513	240	316415	20.000	ng/u1	0.00
88) Perylene-d12	24.598	264	347133	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	5393	8.965	ng/uL	0.00
4) Pyridine-d5	3.740	84	42235	19.735	ng/u1	0.00
7) Phenol-d5	7.060	99	49916	18.055	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	30348	17.465	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	37919	18.533	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	42692	18.110	ng/u1	0.00
21) Nitrobenzene-d5	9.034	128	20508	19.789	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	24225	19.973	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.303	165	48014	20.306	ng/u1	0.00
31) 4-Chloroaniline-d4	10.802	131	60374	19.517	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	171960	19.384	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	180056	19.523	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	22144	20.191	ng/u1	0.00
60) Fluorene-d10	15.503	176	150172	19.607	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.644	200	32856	18.479	ng/u1	0.00
73) Anthracene-d10	17.359	188	253410	19.552	ng/u1	0.00
81) Pyrene-d10	19.651	212	303915	18.707	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.386	264	325827	19.524	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.370	88	5682	7.870	ng/uL	85
5) Pyridine	3.758	79	41782	19.739	ng/u1	96
6) Benzaldehyde	7.013	77	29088	20.122	ng/u1	95
8) Phenol	7.083	94	50645	17.980	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.295	93	37687	18.291	ng/u1	93
12) 2-Chlorophenol	7.442	128	39717	18.368	ng/u1	98
13) 2-Methylphenol	8.329	108	39135	17.927	ng/u1	91
14) 2,2'-oxybis(1-Chloropr...	8.393	45	94502	16.983	ng/u1	100
16) Acetophenone	8.693	105	70825	17.604	ng/u1	91
17) N-Nitroso-di-n-propyla...	8.675	70	36632	16.560	ng/u1#	88
18) 4-Methylphenol	8.658	108	43430	17.956	ng/u1	99
19) Hexachloroethane	8.946	117	18301	19.022	ng/u1	95
22) Nitrobenzene	9.075	77	55094	19.383	ng/u1	99
23) Isophorone	9.598	82	105440	18.236	ng/u1	99
25) 2-Nitrophenol	9.786	139	25407	19.299	ng/u1	97
26) 2,4-Dimethylphenol	9.856	107	52412	20.093	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.074	93	55691	19.215	ng/u1	94
29) 2,4-Dichlorophenol	10.326	162	44511	20.438	ng/u1	96
30) Naphthalene	10.720	128	138530	19.499	ng/u1	97
32) 4-Chloroaniline	10.832	127	59220	19.264	ng/u1	98
33) Hexachlorobutadiene	11.002	225	42948	20.175	ng/u1	99
34) Caprolactam	11.590	113	18763m	22.519	ng/u1	
35) 4-Chloro-3-methylphenol	11.971	107	53749	19.092	ng/u1	92
36) 2-Methylnaphthalene	12.330	142	99689	19.349	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.547	142	100458	18.999	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.700	216	77541	20.533	ng/ul	97
40) Hexachlorocyclopentadiene	12.677	237	30384	17.826	ng/ul	94
41) 2,4,6-Trichlorophenol	12.947	196	46127	21.686	ng/ul	99
42) 2,4,5-Trichlorophenol	13.029	196	50629	22.602	ng/ul	96
43) 1,1'-Biphenyl	13.340	154	144616	19.553	ng/ul	98
44) 2-Chloronaphthalene	13.382	162	116975	20.097	ng/ul	97
45) 2-Nitroaniline	13.593	65	45192	18.812	ng/ul	94
47) Dimethylphthalate	13.963	163	174609	18.885	ng/ul	99
48) 2,6-Dinitrotoluene	14.093	165	35796	19.742	ng/ul#	96
50) Acenaphthylene	14.234	152	199357	19.493	ng/ul	100
51) 3-Nitroaniline	14.422	138	32243	20.490	ng/ul	99
52) Acenaphthene	14.574	153	133681	19.926	ng/ul	98
53) 2,4-Dinitrophenol	14.645	184	23289	24.221	ng/ul	96
55) 4-Nitrophenol	14.756	109	24288	18.836	ng/ul	99
56) Dibenzofuran	14.909	168	188654	19.667	ng/ul	97
57) 2,4-Dinitrotoluene	14.886	165	54830	19.876	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.150	232	42439	20.773	ng/ul	99
59) Diethylphthalate	15.332	149	170538	18.678	ng/ul	100
61) Fluorene	15.561	166	162582	19.589	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.550	204	94990	19.515	ng/ul	96
63) 4-Nitroaniline	15.585	138	34286	20.920	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.661	198	34632	18.586	ng/ul	91
67) N-Nitrosodiphenylamine	15.767	169	145277	19.662	ng/ul	98
68) 4-Bromophenyl-phenylether	16.449	248	68840	19.763	ng/ul	96
69) Hexachlorobenzene	16.572	284	76156	19.670	ng/ul	97
70) Atrazine	16.725	200	57322	19.603	ng/ul	99
71) Pentachlorophenol	16.925	266	31849m	23.635	ng/ul	
72) Phenanthrene	17.301	178	281391	19.721	ng/ul	99
74) Anthracene	17.395	178	288625	19.564	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.311	216	79029	20.337	ng/uL	98
76) Pentachlorobenzene	14.833	250	85304	19.855	ng/uL	93
77) Carbazole	17.665	167	240070	20.006	ng/ul	99
78) Di-n-butylphthalate	18.223	149	299448	19.916	ng/ul	100
80) Fluoranthene	19.316	202	365479	18.752	ng/ul	99
82) Pyrene	19.680	202	380924	18.829	ng/ul	99
83) Butylbenzylphthalate	20.573	149	135074	19.436	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.413	252	130835	19.480	ng/ul#	98
85) Benzo(a)anthracene	21.496	228	415407	19.027	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.407	149	196102	19.063	ng/ul	97
87) Chrysene	21.560	228	383894	19.096	ng/ul	99
89) Di-n-octyl phthalate	22.565	149	339446	19.546	ng/ul	100
90) Benzo(b)fluoranthene	23.623	252	398649	19.288	ng/ul	100
91) Benzo(k)fluoranthene	23.687	252	411452	19.610	ng/ul	96
93) Benzo(a)pyrene	24.451	252	384232	19.578	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.100	276	473406	19.947	ng/ul	95
95) Dibenzo(a,h)anthracene	28.147	278	393212	20.093	ng/ul	95
96) Benzo(g,h,i)perylene	29.187	276	383171m	20.294	ng/ul	

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

