

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111524\
 Data File : BG063449.D
 Acq On : 16 Nov 2024 6:58
 Operator : RC/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020540

Quant Time: Nov 17 04:57:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.835	152	101240	20.000	ng/u1	0.00
20) Naphthalene-d8	10.620	136	442139	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.469	164	354393	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	883485	20.000	ng/u1	0.00
79) Chrysene-d12	21.478	240	924921	20.000	ng/u1	# 0.00
88) Perylene-d12	24.516	264	986965	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	19175	8.564	ng/uL	0.00
4) Pyridine-d5	3.711	84	161031	21.760	ng/u1	0.00
7) Phenol-d5	7.013	99	183919	20.133	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.165	67	113844	21.246	ng/u1	0.00
11) 2-Chlorophenol-d4	7.371	132	129767	21.885	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	159359	20.581	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	66076	21.257	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	82008	20.413	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.250	165	167920	21.299	ng/u1	0.00
31) 4-Chloroaniline-d4	10.761	131	203104	19.779	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	500279	18.022	ng/u1	0.00
49) Acenaphthylene-d8	14.163	160	575359	21.176	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	69781	18.360	ng/u1	0.00
60) Fluorene-d10	15.467	176	459717	19.622	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	102983	18.547	ng/u1	0.00
73) Anthracene-d10	17.324	188	809874	21.329	ng/u1	0.00
81) Pyrene-d10	19.621	212	1036509	22.351	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.310	264	1025859	21.528	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.335	88	23856	8.655	ng/uL#	89
5) Pyridine	3.728	79	169490	22.448	ng/u1	94
6) Benzaldehyde	6.972	77	124643	24.687	ng/u1	97
8) Phenol	7.036	94	198092	19.898	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.254	93	136174	20.112	ng/u1	93
12) 2-Chlorophenol	7.400	128	137777	21.722	ng/u1	95
13) 2-Methylphenol	8.282	108	144546	19.877	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.352	45	195981	22.901	ng/u1#	94
16) Acetophenone	8.646	105	239346	19.198	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.634	70	133244	18.322	ng/u1	99
18) 4-Methylphenol	8.605	108	166318	20.114	ng/u1	96
19) Hexachloroethane	8.910	117	57183	22.248	ng/u1	94
22) Nitrobenzene	9.028	77	206229	21.517	ng/u1	97
23) Isophorone	9.551	82	358184	17.707	ng/u1	100
25) 2-Nitrophenol	9.739	139	86661	21.822	ng/u1	96
26) 2,4-Dimethylphenol	9.804	107	176348	20.358	ng/u1	93
27) Bis(2-Chloroethoxy)met...	10.033	93	199779	20.487	ng/u1#	93
29) 2,4-Dichlorophenol	10.274	162	157584	21.202	ng/u1	93
30) Naphthalene	10.673	128	481891	21.301	ng/u1	97
32) 4-Chloroaniline	10.785	127	188684	19.198	ng/u1	97
33) Hexachlorobutadiene	10.955	225	139334	19.587	ng/u1	97
34) Caprolactam	11.543	113	51671m	16.726	ng/u1	
35) 4-Chloro-3-methylphenol	11.919	107	168934	18.942	ng/u1	97
36) 2-Methylnaphthalene	12.283	142	346317	19.314	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.506	142	355308	19.056	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.659	216	265284	21.235	ng/ul	93
40) Hexachlorocyclopentadiene	12.636	237	136568	20.020	ng/ul#	94
41) 2,4,6-Trichlorophenol	12.906	196	142565	21.141	ng/ul	97
42) 2,4,5-Trichlorophenol	12.976	196	155469	21.260	ng/ul	92
43) 1,1'-Biphenyl	13.299	154	488865	21.762	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	380834	21.776	ng/ul	99
45) 2-Nitroaniline	13.552	65	124055	20.795	ng/ul	96
47) Dimethylphthalate	13.922	163	476641	17.907	ng/ul	99
48) 2,6-Dinitrotoluene	14.052	165	102736	20.170	ng/ul	93
50) Acenaphthylene	14.193	152	577414	21.334	ng/ul	98
51) 3-Nitroaniline	14.381	138	104313	23.463	ng/ul#	95
52) Acenaphthene	14.533	153	418558	21.607	ng/ul	97
53) 2,4-Dinitrophenol	14.598	184	50629	15.077	ng/ul	95
55) 4-Nitrophenol	14.704	109	86507	17.512	ng/ul	99
56) Dibenzofuran	14.874	168	615079	20.742	ng/ul	97
57) 2,4-Dinitrotoluene	14.845	165	151837	18.848	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.103	232	145229m	19.176	ng/ul	
59) Diethylphthalate	15.291	149	488086	17.886	ng/ul	99
61) Fluorene	15.520	166	502891	20.037	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.515	204	311477	19.311	ng/ul	97
63) 4-Nitroaniline	15.544	138	103026	22.896	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.609	198	109854	19.064	ng/ul	92
67) N-Nitrosodiphenylamine	15.732	169	441087	22.380	ng/ul	97
68) 4-Bromophenyl-phenylether	16.413	248	207209	20.516	ng/ul	94
69) Hexachlorobenzene	16.531	284	215158	19.996	ng/ul	97
70) Atrazine	16.684	200	214347	19.880	ng/ul	98
71) Pentachlorophenol	16.883	266	85310	15.815	ng/ul	91
72) Phenanthrene	17.265	178	891100	22.075	ng/ul	97
74) Anthracene	17.359	178	912355	22.063	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.264	216	263504	23.065	ng/ul	99
76) Pentachlorobenzene	14.798	250	261208	21.440	ng/ul	95
77) Carbazole	17.630	167	762196	22.201	ng/ul	99
78) Di-n-butylphthalate	18.188	149	876697	22.449	ng/ul	98
80) Fluoranthene	19.287	202	1150742	22.958	ng/ul#	97
82) Pyrene	19.651	202	1212612	22.823	ng/ul#	96
83) Butylbenzylphthalate	20.550	149	389916	25.111	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.384	252	459184	23.088	ng/ul	99
85) Benzo(a)anthracene	21.460	228	1295606	22.145	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.378	149	563988	24.936	ng/ul	96
87) Chrysene	21.525	228	1225523	22.468	ng/ul	97
89) Di-n-octyl phthalate	22.518	149	973943	25.041	ng/ul	100
90) Benzo(b)fluoranthene	23.558	252	1284273	21.627	ng/ul	98
91) Benzo(k)fluoranthene	23.617	252	1265915m	21.403	ng/ul	
93) Benzo(a)pyrene	24.369	252	1178754	21.460	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	27.935	276	1453593	21.574	ng/ul	97
95) Dibenzo(a,h)anthracene	27.988	278	1188067	21.629	ng/ul#	96
96) Benzo(g,h,i)perylene	29.005	276	1091092	21.359	ng/ul	98

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

