

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111324\
 Data File : BG063417.D
 Acq On : 15 Nov 2024 8:35
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020537

Quant Time: Nov 15 08:17:48 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 11/15/2024
 Supervised By :mohammad ahmed 11/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	91851	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.621	136	390657	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.470	164	325801	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.219	188	842074	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.479	240	865276	20.000	ng/u1	# 0.00
88) Perylene-d12	24.511	264	923407	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	18092	8.906	ng/uL	0.00
4) Pyridine-d5	3.706	84	142946	21.291	ng/u1	0.00
7) Phenol-d5	7.008	99	169016	20.393	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.166	67	103972	21.387	ng/u1	0.00
11) 2-Chlorophenol-d4	7.366	132	118465	22.021	ng/u1	-0.01
15) 4-Methylphenol-d8	8.541	113	138700	19.744	ng/u1	0.00
21) Nitrobenzene-d5	8.988	128	58702	21.374	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	75741	21.338	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.251	165	151833	21.796	ng/u1	0.00
31) 4-Chloroaniline-d4	10.756	131	181467	20.000	ng/u1	0.00
46) Dimethylphthalate-d6	13.876	166	478100	18.734	ng/u1	0.00
49) Acenaphthylene-d8	14.164	160	543650	21.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	65368	18.708	ng/u1	0.00
60) Fluorene-d10	15.468	176	450012	20.894	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	98351	18.584	ng/u1	0.00
73) Anthracene-d10	17.319	188	780625	21.569	ng/u1	0.00
81) Pyrene-d10	19.622	212	975747	22.492	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.305	264	949868	21.305	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.341	88	20867	8.344	ng/uL#	88
5) Pyridine	3.723	79	143943	21.013	ng/u1	96
6) Benzaldehyde	6.972	77	113586	24.796	ng/u1	92
8) Phenol	7.037	94	179503	19.874	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.254	93	124545	20.275	ng/u1	90
12) 2-Chlorophenol	7.401	128	125040	21.729	ng/u1	99
13) 2-Methylphenol	8.283	108	130891	19.840	ng/u1	88
14) 2,2'-oxybis(1-Chloropr...	8.347	45	170368	21.943	ng/u1	94
16) Acetophenone	8.647	105	218412	19.310	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.635	70	120496	18.263	ng/u1	95
18) 4-Methylphenol	8.606	108	145458	19.389	ng/u1	98
19) Hexachloroethane	8.905	117	52696	22.598	ng/u1	81
22) Nitrobenzene	9.029	77	182571	21.559	ng/u1	99
23) Isophorone	9.546	82	325416	18.207	ng/u1	98
25) 2-Nitrophenol	9.740	139	76970	21.936	ng/u1	94
26) 2,4-Dimethylphenol	9.804	107	162372	21.215	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.034	93	182538	21.185	ng/u1	96
29) 2,4-Dichlorophenol	10.274	162	142602	21.715	ng/u1	95
30) Naphthalene	10.674	128	430373	21.531	ng/u1	97
32) 4-Chloroaniline	10.780	127	171553	19.755	ng/u1	99
33) Hexachlorobutadiene	10.956	225	123726	19.685	ng/u1	97
34) Caprolactam	11.532	113	45802m	16.781	ng/u1	
35) 4-Chloro-3-methylphenol	11.920	107	158286	20.087	ng/u1	94
36) 2-Methylnaphthalene	12.284	142	310417	19.594	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.507	142	325387	19.751	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	12.660	216	245103	21.341	ng/ul#	97
40) Hexachlorocyclopentadiene	12.636	237	119317	19.026	ng/ul	95
41) 2,4,6-Trichlorophenol	12.901	196	140549	22.671	ng/ul	97
42) 2,4,5-Trichlorophenol	12.977	196	151042	22.468	ng/ul	95
43) 1,1'-Biphenyl	13.300	154	451699	21.873	ng/ul#	94
44) 2-Chloronaphthalene	13.341	162	358819	22.318	ng/ul	97
45) 2-Nitroaniline	13.547	65	120649	21.999	ng/ul	92
47) Dimethylphthalate	13.923	163	457875	18.712	ng/ul	99
48) 2,6-Dinitrotoluene	14.046	165	98867	21.114	ng/ul	99
50) Acenaphthylene	14.193	152	540737	21.732	ng/ul	97
51) 3-Nitroaniline	14.381	138	95070	23.260	ng/ul	89
52) Acenaphthene	14.534	153	394085	22.129	ng/ul	98
53) 2,4-Dinitrophenol	14.593	184	48563	15.731	ng/ul	92
55) 4-Nitrophenol	14.705	109	79333	17.469	ng/ul	97
56) Dibenzofuran	14.869	168	574494	21.073	ng/ul	95
57) 2,4-Dinitrotoluene	14.840	165	148548	20.058	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.104	232	140485	20.178	ng/ul#	96
59) Diethylphthalate	15.292	149	468416	18.671	ng/ul	99
61) Fluorene	15.521	166	480339	20.818	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.515	204	292062	19.696	ng/ul	94
63) 4-Nitroaniline	15.545	138	99426	24.035	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.609	198	104694	19.062	ng/ul#	99
67) N-Nitrosodiphenylamine	15.733	169	411025	21.880	ng/ul	96
68) 4-Bromophenyl-phenylether	16.414	248	202641	21.050	ng/ul	96
69) Hexachlorobenzene	16.532	284	210413	20.517	ng/ul	98
70) Atrazine	16.685	200	206733	20.117	ng/ul	96
71) Pentachlorophenol	16.878	266	87518m	17.022	ng/ul	
72) Phenanthrene	17.266	178	852957	22.170	ng/ul	99
74) Anthracene	17.354	178	871456	22.111	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.265	216	244473	22.451	ng/ul	95
76) Pentachlorobenzene	14.793	250	246892	21.262	ng/ul	100
77) Carbazole	17.631	167	740094	22.617	ng/ul	99
78) Di-n-butylphthalate	18.189	149	833865	22.403	ng/ul	99
80) Fluoranthene	19.287	202	1086113	23.162	ng/ul#	97
82) Pyrene	19.652	202	1154952	23.237	ng/ul#	97
83) Butylbenzylphthalate	20.545	149	359556	24.752	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.379	252	421969	22.679	ng/ul#	98
85) Benzo(a)anthracene	21.461	228	1213609	22.174	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.379	149	521663	24.655	ng/ul	98
87) Chrysene	21.520	228	1103230	21.620	ng/ul	98
89) Di-n-octyl phthalate	22.519	149	890413	24.469	ng/ul	100
90) Benzo(b)fluoranthene	23.553	252	1160594m	20.890	ng/ul	
91) Benzo(k)fluoranthene	23.618	252	1210996	21.883	ng/ul	99
93) Benzo(a)pyrene	24.370	252	1074133	20.901	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.936	276	1328487	21.075	ng/ul	98
95) Dibenzo(a,h)anthracene	27.983	278	1074258	20.903	ng/ul#	97
96) Benzo(g,h,i)perylene	29.000	276	1015790	21.254	ng/ul	99

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

