Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
Data File : BG059511.D
Acq On : 27 Oct 2023 14:46
Operator : MA/JU
Sample : SSTD08065
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 03:53:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 27 14:24:16 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080438

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

10/31/2023
Supervised By :mohammad ahmed

10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.365	152	78038	20.000	ng/ul	0.00
20) Naphthalene-d8	11.215	136	373608	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.992	164	222648	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.748	188	498638	20.000	ng/ul	0.00
79) Chrysene-d12	22.090	240	401253	20.000	ng/ul	0.00
88) Perylene-d12	25.698	264	444804	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.659	96	57959	16.660	ng/uL	0.00
4) Pyridine-d5	4.088	84	448803	53.829	ng/ul	0.00
7) Phenol-d5	7.472	99	620580	53.602	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.683	67	275283	49.128	ng/ul	0.00
11) 2-Chlorophenol-d4	7.883	132	482698	47.615	ng/ul	0.00
15) 4-Methylphenol-d8	9.052	113	512660	55.379	ng/ul	0.00
21) Nitrobenzene-d5	9.569	128	226223	59.631	ng/ul	0.00
24) 2-Nitrophenol-d4	10.286	143	241056	62.586	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.809	165	473914	51.544	ng/ul	0.00
31) 4-Chloroaniline-d4	11.356	131	781936	54.718	ng/ul	0.00
46) Dimethylphthalate-d6	14.393	166	1495782	50.309	ng/ul	0.00
49) Acenaphthylene-d8	14.699	160	1758295	49.954	ng/ul	0.00
54) 4-Nitrophenol-d4	15.169	143	310794	68.850	ng/ul	0.02
60) Fluorene-d10	15.985	176	1264212	49.758	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.097	200	211158	70.916	ng/ul	0.02
73) Anthracene-d10	17.848	188	1969704	49.441	ng/ul	0.00
81) Pyrene-d10	20.116	212	2051975	48.724	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.463	264	1997776	49.305	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.694	88	61750	17.438	ng/uL	96
5) Pyridine	4.117	79	452046	53.845	ng/ul#	87
6) Benzaldehyde	7.507	77	244885	49.374	ng/ul	98
8) Phenol	7.501	94	582384	52.623	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.783	93	419336	51.095	ng/ul	99
12) 2-Chlorophenol	7.913	128	506357	50.240	ng/ul	92
13) 2-Methylphenol	8.782	108	480729	52.300	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.870	45	386696	48.312	ng/ul#	95
16) Acetophenone	9.217	105	784679	54.730	ng/ul	97
17) N-Nitroso-di-n-propyla...	9.188	70	357835	48.949	ng/ul#	99
18) 4-Methylphenol	9.123	108	536854	55.341	ng/ul	89
19) Hexachloroethane	9.452	117	190983	49.651	ng/ul	93
22) Nitrobenzene	9.611	77	496776	59.160	ng/ul	95
23) Isophorone	10.128	82	1049550	46.680	ng/ul#	91
25) 2-Nitrophenol	10.316	139	256400	61.287	ng/ul#	86
26) 2,4-Dimethylphenol	10.339	107	577850	48.850	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.604	93	586746	46.457	ng/ul	99
29) 2,4-Dichlorophenol	10.839	162	452539	51.087	ng/ul	91
30) Naphthalene	11.267	128	1686516	48.035	ng/ul	98
32) 4-Chloroaniline	11.385	127	757414	55.831	ng/ul	90
33) Hexachlorobutadiene	11.497	225	254462	51.602	ng/ul	95
34) Caprolactam	12.178	113	169146m	57.364	ng/ul	
35) 4-Chloro-3-methylphenol	12.448	107	542428	49.485	ng/ul	98
36) 2-Methylnaphthalene	12.848	142	1147668	47.866	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.065	142	1151390	47.634	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.183	216	479715	50.900	ng/ul	97
40) Hexachlorocyclopentadiene	13.142	237	301434	60.980	ng/ul	94
41) 2,4,6-Trichlorophenol	13.424	196	352824	55.131	ng/ul	91
42) 2,4,5-Trichlorophenol	13.494	196	383855	56.056	ng/ul	94
43) 1,1'-Biphenyl	13.835	154	1468470	50.114	ng/ul	98
44) 2-Chloronaphthalene	13.888	162	1135720	49.671	ng/ul	97
45) 2-Nitroaniline	14.099	65	292216	67.915	ng/ul	96
47) Dimethylphthalate	14.440	163	1498811	50.432	ng/ul	97
48) 2,6-Dinitrotoluene	14.581	165	275977	63.505	ng/ul#	78
50) Acenaphthylene	14.728	152	1970520	49.949	ng/ul	99
51) 3-Nitroaniline	14.916	138	313640	65.811	ng/ul#	86
52) Acenaphthene	15.063	153	1268292	48.844	ng/ul	97
53) 2,4-Dinitrophenol	15.110	184	155523	73.363	ng/ul	87
55) 4-Nitrophenol	15.186	109	342655	70.655	ng/ul	92
56) Dibenzofuran	15.392	168	1709771	50.659	ng/ul	96
57) 2,4-Dinitrotoluene	15.357	165	416153	66.581	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.598	232	318492	58.676	ng/ul	92
59) Diethylphthalate	15.792	149	1657611	50.639	ng/ul	96
61) Fluorene	16.044	166	1439052	50.205	ng/ul#	94
62) 4-Chlorophenyl-phenyle...	16.027	204	634921	51.017	ng/ul	98
63) 4-Nitroaniline	16.085	138	339739m	71.710	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.109	198	226428	71.798	ng/ul#	81
67) N-Nitrosodiphenylamine	16.244	169	1247998	49.524	ng/ul	99
68) 4-Bromophenyl-phenylether	16.926	248	381798	55.420	ng/ul	96
69) Hexachlorobenzene	17.014	284	436322	51.169	ng/ul	97
70) Atrazine	17.184	200	434219	58.519	ng/ul	91
71) Pentachlorophenol	17.360	266	287540	64.959	ng/ul	94
72) Phenanthrene	17.795	178	2339493	50.320	ng/ul	98
74) Anthracene	17.883	178	2362934	49.952	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.794	216	493295	49.950	ng/uL	91
76) Pentachlorobenzene	15.286	250	463831	48.855	ng/uL	96
77) Carbazole	18.159	167	2257384	57.090	ng/ul	97
78) Di-n-butylphthalate	18.671	149	2757723	49.944	ng/ul	99
80) Fluoranthene	19.781	202	2506130	49.487	ng/ul	99
82) Pyrene	20.151	202	2555257	49.234	ng/ul	97
83) Butylbenzylphthalate	21.015	149	1267330	52.528	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.973	252	790741	55.809	ng/ul	98
85) Benzo(a)anthracene	22.067	228	2405649	49.441	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.920	149	1810654	49.224	ng/ul	100
87) Chrysene	22.143	228	2270745	49.563	ng/ul	96
89) Di-n-octyl phthalate	23.283	149	3134527	55.453	ng/ul	100
90) Benzo(b)fluoranthene	24.540	252	2465053m	49.203	ng/ul	
91) Benzo(k)fluoranthene	24.622	252	2429434	49.500	ng/ul	99
93) Benzo(a)pyrene	25.551	252	2256771	48.692	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.928	276	2919244m	49.911	ng/ul	
95) Dibenzo(a,h)anthracene	30.022	278	2348194	49.551	ng/ul	99
96) Benzo(g,h,i)perylene	31.262	276	2325805	50.020	ng/ul	99

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

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