Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101223\
Data File : BG059433.D
Acq On : 12 Oct 2023 12:59
Operator : MA/JU
Sample : SSTD01044
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 15:07:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 12 14:55:05 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010407

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	38699	20.000	ng/ul	0.00
20) Naphthalene-d8	11.061	136	173610	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.857	164	105353	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.606	188	248478	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.907	240	253316	20.000	ng/ul	0.00
88) Perylene-d12	25.386	264	282395	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.523	96	4781m	4.754	ng/uL	0.00
4) Pyridine-d5	3.958	84	32817	12.182	ng/ul	0.00
7) Phenol-d5	7.348	99	34741	9.749	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.536	67	23757	11.527	ng/ul	0.00
11) 2-Chlorophenol-d4	7.736	132	28306	11.196	ng/ul	0.00
15) 4-Methylphenol-d8	8.911	113	27805	9.874	ng/ul	0.00
21) Nitrobenzene-d5	9.410	128	12659	10.147	ng/ul	0.00
24) 2-Nitrophenol-d4	10.133	143	12442	9.699	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.662	165	28236	11.783	ng/ul	0.00
31) 4-Chloroaniline-d4	11.208	131	41676	10.837	ng/ul	0.00
46) Dimethylphthalate-d6	14.246	166	88531	12.013	ng/ul	0.00
49) Acenaphthylene-d8	14.557	160	108015	12.317	ng/ul	0.00
54) 4-Nitrophenol-d4	15.039	143	11904	9.071	ng/ul	0.00
60) Fluorene-d10	15.844	176	86026	12.379	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.950	200	11521	8.757	ng/ul	0.00
73) Anthracene-d10	17.706	188	126146	11.883	ng/ul	0.00
81) Pyrene-d10	19.980	212	152246	11.853	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.139	264	155014	12.296	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.558	88	6333m	5.806	ng/uL	
5) Pyridine	3.975	79	30040	10.982	ng/ul	96
6) Benzaldehyde	7.365	77	21181	13.473	ng/ul#	80
8) Phenol	7.377	94	37445	10.449	ng/ul#	90
10) Bis(2-Chloroethyl)ether	7.636	93	31519	11.473	ng/ul	98
12) 2-Chlorophenol	7.771	128	27913	10.601	ng/ul	97
13) 2-Methylphenol	8.652	108	26508	9.905	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.717	45	67438	11.454	ng/ul	99
16) Acetophenone	9.058	105	43185	10.214	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.022	70	20361	9.856	ng/ul#	98
18) 4-Methylphenol	8.981	108	29113	9.954	ng/ul	96
19) Hexachloroethane	9.298	117	12273	12.719	ng/ul#	76
22) Nitrobenzene	9.463	77	30176	10.956	ng/ul#	82
23) Isophorone	9.962	82	65871	11.251	ng/ul#	95
25) 2-Nitrophenol	10.174	139	14240	10.583	ng/ul#	76
26) 2,4-Dimethylphenol	10.192	107	31218	11.271	ng/ul	87
27) Bis(2-Chloroethoxy)met...	10.450	93	43529	12.051	ng/ul#	94
29) 2,4-Dichlorophenol	10.691	162	26384	10.826	ng/ul	95
30) Naphthalene	11.108	128	99087	11.498	ng/ul	98
32) 4-Chloroaniline	11.232	127	40574	11.269	ng/ul	93
33) Hexachlorobutadiene	11.337	225	18801	12.449	ng/ul	96
34) Caprolactam	12.007	113	9461m	10.777	ng/ul	
35) 4-Chloro-3-methylphenol	12.313	107	26534	10.414	ng/ul	92
36) 2-Methylnaphthalene	12.695	142	66434	11.630	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.918	142	65642	11.235	ng/ul#	89
39) 1,2,4,5-Tetrachloroben...	13.041	216	33058	12.133	ng/ul#	96
40) Hexachlorocyclopentadiene	12.994	237	16147	10.100	ng/ul	87
41) 2,4,6-Trichlorophenol	13.288	196	19592	10.916	ng/ul	95
42) 2,4,5-Trichlorophenol	13.358	196	22649m	11.608	ng/ul	
43) 1,1'-Biphenyl	13.687	154	92399	12.237	ng/ul	95
44) 2-Chloronaphthalene	13.740	162	72907	12.777	ng/ul	94
45) 2-Nitroaniline	13.964	65	17719	10.128	ng/ul	97
47) Dimethylphthalate	14.299	163	89085	11.963	ng/ul#	96
48) 2,6-Dinitrotoluene	14.445	165	14575	10.238	ng/ul	97
50) Acenaphthylene	14.586	152	110824	11.764	ng/ul#	95
51) 3-Nitroaniline	14.780	138	14752	9.881	ng/ul#	81
52) Acenaphthene	14.921	153	76103	11.882	ng/ul	91
53) 2,4-Dinitrophenol	14.986	184	5125m	4.990	ng/ul	
55) 4-Nitrophenol	15.062	109	8352	9.344	ng/ul#	54
56) Dibenzofuran	15.250	168	104906	11.905	ng/ul	99
57) 2,4-Dinitrotoluene	15.221	165	20640	9.906	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.462	232	20652	11.513	ng/ul#	85
59) Diethylphthalate	15.644	149	88719	12.112	ng/ul	99
61) Fluorene	15.897	166	87406	11.704	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.879	204	44428	12.152	ng/ul	90
63) 4-Nitroaniline	15.944	138	15169	10.869	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.973	198	12117	8.651	ng/ul#	90
67) N-Nitrosodiphenylamine	16.102	169	72202	11.948	ng/ul	93
68) 4-Bromophenyl-phenylether	16.778	248	27309	11.930	ng/ul	96
69) Hexachlorobenzene	16.872	284	31732	12.104	ng/ul	98
70) Atrazine	17.036	200	27060	11.291	ng/ul	93
71) Pentachlorophenol	17.230	266	13422	9.269	ng/ul#	87
72) Phenanthrene	17.648	178	153968	12.020	ng/ul	99
74) Anthracene	17.742	178	161790	12.455	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.652	216	36147	12.740	ng/uL	98
76) Pentachlorobenzene	15.150	250	35190	12.123	ng/uL	96
77) Carbazole	18.018	167	131020	12.069	ng/ul	98
78) Di-n-butylphthalate	18.523	149	154193	12.066	ng/ul	99
80) Fluoranthene	19.645	202	182336	11.439	ng/ul#	97
82) Pyrene	20.009	202	193179	11.502	ng/ul	98
83) Butylbenzylphthalate	20.861	149	61070	10.282	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.801	252	61865	11.261	ng/ul	96
85) Benzo(a)anthracene	21.890	228	196643	11.827	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.713	149	90734	10.303	ng/ul	94
87) Chrysene	21.960	228	183102	11.809	ng/ul	99
89) Di-n-octyl phthalate	23.006	149	146552	10.183	ng/ul	100
90) Benzo(b)fluoranthene	24.252	252	189778	12.004	ng/ul	99
91) Benzo(k)fluoranthene	24.334	252	193650	11.966	ng/ul	99
93) Benzo(a)pyrene	25.215	252	184225	12.280	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.387	276	202270m	11.724	ng/ul	
95) Dibenzo(a,h)anthracene	29.469	278	175476m	12.655	ng/ul	
96) Benzo(g,h,i)perylene	30.662	276	167278m	12.120	ng/ul	

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

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