Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061563.D
Acq On : 8 Jun 2024 13:27
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 23:40:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020525

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.871	152	31550	20.000	ng/ul	0.00
20) Naphthalene-d8	10.662	136	127971	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.510	164	97683	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.260	188	232261	20.000	ng/ul	0.00
79) Chrysene-d12	21.520	240	255134	20.000	ng/ul	0.00
88) Perylene-d12	24.616	264	290972	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.323	96	4478	7.943	ng/uL	-0.03
4) Pyridine-d5	3.735	84	33224	16.565	ng/ul	-0.03
7) Phenol-d5	7.060	99	44593	17.211	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.201	67	26604	16.337	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.413	132	36715	19.148	ng/ul	0.00
15) 4-Methylphenol-d8	8.594	113	38883	17.600	ng/ul	0.00
21) Nitrobenzene-d5	9.029	128	19509	19.800	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.751	143	23301	20.207	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	47037	20.924	ng/ul	0.00
31) 4-Chloroaniline-d4	10.803	131	52278	17.775	ng/ul	0.00
46) Dimethylphthalate-d6	13.917	166	138313	18.257	ng/ul	0.00
49) Acenaphthylene-d8	14.205	160	154651	19.635	ng/ul	0.00
54) 4-Nitrophenol-d4	14.757	143	13678	14.603	ng/ul	0.00
60) Fluorene-d10	15.503	176	124989	19.109	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.656	200	23806	16.947	ng/ul	0.00
73) Anthracene-d10	17.360	188	207366	20.251	ng/ul	0.00
81) Pyrene-d10	19.657	212	251556	19.203	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.405	264	278303	19.895	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.365	88	4913	7.261	ng/uL	91
5) Pyridine	3.758	79	33663	16.969	ng/ul#	79
6) Benzaldehyde	7.007	77	21107	15.580	ng/ul	94
8) Phenol	7.090	94	46082	17.456	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.289	93	34204	17.714	ng/ul	87
12) 2-Chlorophenol	7.442	128	38553	19.025	ng/ul	98
13) 2-Methylphenol	8.329	108	36872	18.023	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.394	45	72033	13.813	ng/ul#	92
16) Acetophenone	8.694	105	63997	16.974	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.676	70	31332	15.114	ng/ul	84
18) 4-Methylphenol	8.658	108	39171	17.281	ng/ul	99
19) Hexachloroethane	8.940	117	17441	19.344	ng/ul	93
22) Nitrobenzene	9.070	77	51249	18.964	ng/ul	97
23) Isophorone	9.593	82	89640	16.307	ng/ul	97
25) 2-Nitrophenol	9.781	139	24727	19.756	ng/ul	99
26) 2,4-Dimethylphenol	9.851	107	47047	18.970	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.074	93	48249	17.510	ng/ul	97
29) 2,4-Dichlorophenol	10.327	162	43252	20.889	ng/ul	98
30) Naphthalene	10.715	128	131129	19.413	ng/ul	98
32) 4-Chloroaniline	10.826	127	51388	17.582	ng/ul	95
33) Hexachlorobutadiene	10.997	225	45531	22.497	ng/ul	94
34) Caprolactam	11.590	113	12753m	16.099	ng/ul	
35) 4-Chloro-3-methylphenol	11.978	107	45808	17.114	ng/ul	98
36) 2-Methylnaphthalene	12.325	142	89566	18.285	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.548	142	90769	18.056	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.701	216	76260	23.646	ng/ul	96
40) Hexachlorocyclopentadiene	12.671	237	18180	12.489	ng/ul#	90
41) 2,4,6-Trichlorophenol	12.947	196	40901	22.515	ng/ul	95
42) 2,4,5-Trichlorophenol	13.036	196	42381	22.154	ng/ul	98
43) 1,1'-Biphenyl	13.341	154	128579	20.356	ng/ul	98
44) 2-Chloronaphthalene	13.382	162	105158	21.155	ng/ul	96
45) 2-Nitroaniline	13.594	65	35111	17.114	ng/ul	91
47) Dimethylphthalate	13.964	163	141779	17.955	ng/ul	99
48) 2,6-Dinitrotoluene	14.093	165	28404	18.343	ng/ul	94
50) Acenaphthylene	14.234	152	170639	19.537	ng/ul	99
51) 3-Nitroaniline	14.422	138	25285	18.815	ng/ul	94
52) Acenaphthene	14.575	153	112798	19.688	ng/ul	100
53) 2,4-Dinitrophenol	14.657	184	12845m	15.643	ng/ul	
55) 4-Nitrophenol	14.775	109	16898	15.345	ng/ul	86
56) Dibenzofuran	14.910	168	159867	19.515	ng/ul	97
57) 2,4-Dinitrotoluene	14.892	165	43435	18.436	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.151	232	35344	20.257	ng/ul	93
59) Diethylphthalate	15.327	149	135478	17.374	ng/ul	100
61) Fluorene	15.562	166	132733	18.727	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.550	204	80585	19.386	ng/ul	98
63) 4-Nitroaniline	15.586	138	23863	17.049	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.668	198	24444	16.604	ng/ul	95
67) N-Nitrosodiphenylamine	15.768	169	116107	19.889	ng/ul	99
68) 4-Bromophenyl-phenylether	16.443	248	58251	21.167	ng/ul	98
69) Hexachlorobenzene	16.573	284	65743	21.492	ng/ul	99
70) Atrazine	16.720	200	42706	18.485	ng/ul	96
71) Pentachlorophenol	16.931	266	18529m	17.404	ng/ul	
72) Phenanthrene	17.307	178	223552	19.831	ng/ul	99
74) Anthracene	17.395	178	229389	19.680	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.312	216	76791	25.012	ng/uL	97
76) Pentachlorobenzene	14.833	250	77234	22.753	ng/uL	92
77) Carbazole	17.671	167	190356	20.079	ng/ul	98
78) Di-n-butylphthalate	18.224	149	227511	19.152	ng/ul	99
80) Fluoranthene	19.322	202	298184	18.974	ng/ul	98
82) Pyrene	19.687	202	309746	18.988	ng/ul	98
83) Butylbenzylphthalate	20.574	149	103131	18.404	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.414	252	114414	21.127	ng/ul	100
85) Benzo(a)anthracene	21.502	228	345051	19.600	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.408	149	149013	17.965	ng/ul#	98
87) Chrysene	21.567	228	317814	19.606	ng/ul	98
89) Di-n-octyl phthalate	22.566	149	260925	17.924	ng/ul	100
90) Benzo(b)fluoranthene	23.641	252	344156m	19.865	ng/ul	
91) Benzo(k)fluoranthene	23.700	252	336412	19.128	ng/ul	95
93) Benzo(a)pyrene	24.475	252	324589	19.731	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.141	276	368035m	18.500	ng/ul	
95) Dibenzo(a,h)anthracene	28.194	278	309599m	18.874	ng/ul	
96) Benzo(g,h,i)perylene	29.240	276	272258m	17.203	ng/ul	

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

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