Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071924\
Data File : BG062134.D
Acq On : 19 Jul 2024 9:57
Operator : MA/JU
Sample : SSTD01023
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 19 12:48:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 12:42:00 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010405

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.067	152	30905	20.000	ng/ul	0.00
20) Naphthalene-d8	10.880	136	129553	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.693	164	115324	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.442	188	316527	20.000	ng/ul	0.00
79) Chrysene-d12	21.701	240	354453	20.000	ng/ul	0.00
88) Perylene-d12	24.932	264	368894	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.461	96	2644m	3.397	ng/uL	0.00
4) Pyridine-d5	3.884	84	21390	7.493	ng/ul	0.00
7) Phenol-d5	7.238	99	27969	8.412	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.385	67	16626	8.850	ng/ul	0.00
11) 2-Chlorophenol-d4	7.602	132	17331	8.351	ng/ul	0.00
15) 4-Methylphenol-d8	8.783	113	21557	8.748	ng/ul	0.00
21) Nitrobenzene-d5	9.236	128	9486	9.642	ng/ul	0.00
24) 2-Nitrophenol-d4	9.958	143	12437	10.383	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.504	165	25609	9.535	ng/ul	0.00
31) 4-Chloroaniline-d4	11.021	131	30888	9.644	ng/ul	0.00
46) Dimethylphthalate-d6	14.094	166	95019	9.975	ng/ul	0.00
49) Acenaphthylene-d8	14.393	160	98285	9.854	ng/ul	0.00
54) 4-Nitrophenol-d4	14.922	143	9601	8.495	ng/ul	0.00
60) Fluorene-d10	15.686	176	82477	9.763	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.809	200	15788	8.493	ng/ul	0.00
73) Anthracene-d10	17.536	188	148763m	10.295	ng/ul	0.00
81) Pyrene-d10	19.821	212	196415	9.736	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.709	264	181079	9.785	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.496	88	3319	3.251	ng/uL#	78
5) Pyridine	3.902	79	23042	8.105	ng/ul	98
6) Benzaldehyde	7.209	77	16768	9.793	ng/ul	92
8) Phenol	7.262	94	27243	8.265	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.485	93	20997	9.181	ng/ul	95
12) 2-Chlorophenol	7.638	128	19092	9.315	ng/ul	94
13) 2-Methylphenol	8.519	108	21602	8.972	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.589	45	36445	9.656	ng/ul#	94
16) Acetophenone	8.895	105	38177	8.955	ng/ul	89
17) N-Nitroso-di-n-propyla...	8.871	70	23099	9.881	ng/ul#	86
18) 4-Methylphenol	8.848	108	24776	9.559	ng/ul	89
19) Hexachloroethane	9.153	117	8092	9.154	ng/ul	88
22) Nitrobenzene	9.283	77	32382	9.747	ng/ul	98
23) Isophorone	9.794	82	67403	10.187	ng/ul	95
25) 2-Nitrophenol	9.987	139	11754	9.151	ng/ul#	77
26) 2,4-Dimethylphenol	10.052	107	31346	9.856	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.281	93	31590	10.236	ng/ul	97
29) 2,4-Dichlorophenol	10.534	162	23991	9.481	ng/ul#	92
30) Naphthalene	10.927	128	68769	9.655	ng/ul	96
32) 4-Chloroaniline	11.045	127	29191	9.635	ng/ul#	82
33) Hexachlorobutadiene	11.203	225	26341	11.170	ng/ul#	88
34) Caprolactam	11.803	113	9069m	10.585	ng/ul	
35) 4-Chloro-3-methylphenol	12.173	107	29634	9.295	ng/ul#	90
36) 2-Methylnaphthalene	12.531	142	54071	10.127	ng/ul	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.748	142	52011	9.313	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.895	216	44588	9.518	ng/ul	97
40) Hexachlorocyclopentadiene	12.866	237	12779	6.780	ng/ul	94
41) 2,4,6-Trichlorophenol	13.136	196	24110	8.757	ng/ul	88
42) 2,4,5-Trichlorophenol	13.218	196	25469m	8.755	ng/ul	
43) 1,1'-Biphenyl	13.530	154	76709	9.499	ng/ul#	85
44) 2-Chloronaphthalene	13.577	162	64733	9.664	ng/ul	98
45) 2-Nitroaniline	13.782	65	24332	9.841	ng/ul	92
47) Dimethylphthalate	14.141	163	92281	10.008	ng/ul	98
48) 2,6-Dinitrotoluene	14.270	165	18060	9.600	ng/ul	95
50) Acenaphthylene	14.423	152	106965	9.860	ng/ul	98
51) 3-Nitroaniline	14.605	138	15474	9.966	ng/ul#	97
52) Acenaphthene	14.757	153	70992	9.831	ng/ul	97
53) 2,4-Dinitrophenol	14.816	184	3638m	5.643	ng/ul	
55) 4-Nitrophenol	14.940	109	14947	8.665	ng/ul	89
56) Dibenzofuran	15.092	168	105963	9.816	ng/ul	97
57) 2,4-Dinitrotoluene	15.057	165	27140	9.599	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.321	232	23511	9.310	ng/ul#	91
59) Diethylphthalate	15.498	149	95562	10.628	ng/ul	98
61) Fluorene	15.739	166	90783	9.665	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.727	204	55763	9.710	ng/ul	96
63) 4-Nitroaniline	15.768	138	16052	10.094	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.821	198	15790	8.819	ng/ul#	89
67) N-Nitrosodiphenylamine	15.944	169	75963	9.890	ng/ul	92
68) 4-Bromophenyl-phenylether	16.620	248	37308	10.127	ng/ul	89
69) Hexachlorobenzene	16.737	284	38056	9.742	ng/ul	95
70) Atrazine	16.884	200	40848	10.725	ng/ul#	92
71) Pentachlorophenol	17.096	266	4858m	6.903	ng/ul	
72) Phenanthrene	17.483	178	155855	10.356	ng/ul	99
74) Anthracene	17.571	178	162766	10.518	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.500	216	45509	10.146	ng/ul	90
76) Pentachlorobenzene	15.010	250	44765	9.780	ng/ul	99
77) Carbazole	17.847	167	140216	10.857	ng/ul	96
78) Di-n-butylphthalate	18.382	149	162198	11.244	ng/ul	98
80) Fluoranthene	19.486	202	235679	10.033	ng/ul	98
82) Pyrene	19.851	202	236173	9.800	ng/ul	99
83) Butylbenzylphthalate	20.720	149	70811	9.752	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.595	252	80273	10.283	ng/ul	95
85) Benzo(a)anthracene	21.683	228	246834	9.975	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.566	149	99511	9.750	ng/ul#	90
87) Chrysene	21.748	228	229898	9.996	ng/ul	98
89) Di-n-octyl phthalate	22.776	149	166158	9.947	ng/ul	100
90) Benzo(b)fluoranthene	23.898	252	226313	10.000	ng/ul	96
91) Benzo(k)fluoranthene	23.969	252	225482m	10.050	ng/ul	
93) Benzo(a)pyrene	24.779	252	205410	9.794	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.615	276	237649	9.548	ng/ul	97
95) Dibenzo(a,h)anthracene	28.686	278	201050	9.793	ng/ul	96
96) Benzo(g,h,i)perylene	29.772	276	188955	9.708	ng/ul	98

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

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