Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061537.D
Acq On : 7 Jun 2024 17:34
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 18:27:20 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 :
SSTD020523

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
06/08/2024
Supervised By :mohammad ahmed
06/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	28766	20.000	ng/ul	0.00
20) Naphthalene-d8	10.669	136	121576	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.518	164	96516	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.268	188	223032	20.000	ng/ul	0.00
79) Chrysene-d12	21.527	240	235215	20.000	ng/ul	0.00
88) Perylene-d12	24.635	264	274901	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.325	96	3751	7.297	ng/uL	-0.03
4) Pyridine-d5	3.731	84	28855	15.779	ng/ul	-0.04
7) Phenol-d5	7.062	99	46820	19.820	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	26590	17.908	ng/ul	0.00
11) 2-Chlorophenol-d4	7.414	132	36079	20.637	ng/ul	0.00
15) 4-Methylphenol-d8	8.595	113	40190	19.952	ng/ul	0.00
21) Nitrobenzene-d5	9.030	128	19495	20.827	ng/ul	0.00
24) 2-Nitrophenol-d4	9.753	143	23346	21.311	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	48046	22.497	ng/ul	0.00
31) 4-Chloroaniline-d4	10.810	131	53614	19.188	ng/ul	0.00
46) Dimethylphthalate-d6	13.919	166	146665	19.593	ng/ul	0.00
49) Acenaphthylene-d8	14.207	160	161033	20.692	ng/ul	0.00
54) 4-Nitrophenol-d4	14.765	143	14144	15.283	ng/ul	0.00
60) Fluorene-d10	15.511	176	126163	19.522	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.658	200	24363	18.061	ng/ul	0.00
73) Anthracene-d10	17.368	188	208434	21.198	ng/ul	0.00
81) Pyrene-d10	19.665	212	245806	20.353	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.424	264	271185	20.519	ng/ul	0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.360	88	3787	6.138	ng/uL	96
5) Pyridine	3.754	79	28330	15.663	ng/ul	85
6) Benzaldehyde	7.015	77	21660	17.536	ng/ul	91
8) Phenol	7.091	94	45751	19.008	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.297	93	34073	19.353	ng/ul	87
12) 2-Chlorophenol	7.444	128	37100	20.080	ng/ul	99
13) 2-Methylphenol	8.331	108	37275	19.983	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.402	45	76557	16.101	ng/ul#	94
16) Acetophenone	8.695	105	65456	19.041	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.678	70	32619	17.257	ng/ul#	82
18) 4-Methylphenol	8.660	108	39797	19.256	ng/ul	90
19) Hexachloroethane	8.942	117	15972	19.429	ng/ul	97
22) Nitrobenzene	9.077	77	51732	20.150	ng/ul	95
23) Isophorone	9.600	82	94548	18.104	ng/ul	98
25) 2-Nitrophenol	9.788	139	24365	20.491	ng/ul	96
26) 2,4-Dimethylphenol	9.859	107	47080	19.982	ng/ul	90
27) Bis(2-Chloroethoxy)met...	10.076	93	50805	19.407	ng/ul#	95
29) 2,4-Dichlorophenol	10.335	162	42521	21.616	ng/ul	90
30) Naphthalene	10.717	128	133230	20.762	ng/ul	99
32) 4-Chloroaniline	10.834	127	52943	19.067	ng/ul	99
33) Hexachlorobutadiene	11.004	225	44889	23.347	ng/ul	95
34) Caprolactam	11.598	113	13944m	18.528	ng/ul	
35) 4-Chloro-3-methylphenol	11.986	107	47867	18.824	ng/ul	93
36) 2-Methylnaphthalene	12.332	142	93615	20.117	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.550	142	93981	19.679	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.702	216	76555	24.024	ng/ul	97
40) Hexachlorocyclopentadiene	12.679	237	18845	13.102	ng/ul	94
41) 2,4,6-Trichlorophenol	12.955	196	41308	23.014	ng/ul	96
42) 2,4,5-Trichlorophenol	13.043	196	43132	22.819	ng/ul	95
43) 1,1'-Biphenyl	13.343	154	130967	20.985	ng/ul	98
44) 2-Chloronaphthalene	13.390	162	109280	22.250	ng/ul	97
45) 2-Nitroaniline	13.601	65	36103	17.811	ng/ul	92
47) Dimethylphthalate	13.966	163	151788	19.455	ng/ul	99
48) 2,6-Dinitrotoluene	14.095	165	29945	19.572	ng/ul	98
50) Acenaphthylene	14.236	152	178903	20.731	ng/ul	98
51) 3-Nitroaniline	14.424	138	25573	19.260	ng/ul	99
52) Acenaphthene	14.577	153	119024	21.025	ng/ul	98
53) 2,4-Dinitrophenol	14.659	184	15053m	18.553	ng/ul	
55) 4-Nitrophenol	14.776	109	19277	17.716	ng/ul	94
56) Dibenzofuran	14.917	168	162318	20.054	ng/ul	100
57) 2,4-Dinitrotoluene	14.894	165	44470	19.104	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.158	232	36220	21.010	ng/ul#	94
59) Diethylphthalate	15.335	149	144696	18.781	ng/ul	99
61) Fluorene	15.564	166	139073	19.858	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.558	204	83388	20.303	ng/ul	97
63) 4-Nitroaniline	15.593	138	26256	18.986	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.675	198	25005	17.688	ng/ul#	94
67) N-Nitrosodiphenylamine	15.775	169	121543	21.682	ng/ul	98
68) 4-Bromophenyl-phenylether	16.451	248	60789	23.003	ng/ul	93
69) Hexachlorobenzene	16.580	284	67104	22.845	ng/ul	95
70) Atrazine	16.727	200	42369	19.098	ng/ul	97
71) Pentachlorophenol	16.939	266	21394m	20.926	ng/ul	
72) Phenanthrene	17.309	178	222837	20.585	ng/ul	98
74) Anthracene	17.403	178	230331	20.579	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.313	216	74438	25.249	ng/uL	96
76) Pentachlorobenzene	14.841	250	79363	24.348	ng/uL	93
77) Carbazole	17.673	167	185604	20.388	ng/ul	99
78) Di-n-butylphthalate	18.231	149	229027	20.078	ng/ul	100
80) Fluoranthene	19.330	202	292799	20.209	ng/ul#	99
82) Pyrene	19.694	202	300816	20.003	ng/ul#	96
83) Butylbenzylphthalate	20.581	149	104147	20.159	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.427	252	104941	21.019	ng/ul	100
85) Benzo(a)anthracene	21.510	228	337012	20.765	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.416	149	149791	19.588	ng/ul#	97
87) Chrysene	21.574	228	308623	20.652	ng/ul	98
89) Di-n-octyl phthalate	22.579	149	257155	18.698	ng/ul	100
90) Benzo(b)fluoranthene	23.654	252	331469	20.252	ng/ul	98
91) Benzo(k)fluoranthene	23.713	252	331021	19.922	ng/ul	96
93) Benzo(a)pyrene	24.489	252	310990	20.010	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.173	276	362221	19.272	ng/ul	98
95) Dibenzo(a,h)anthracene	28.214	278	316597m	20.429	ng/ul	
96) Benzo(g,h,i)perylene	29.265	276	283224m	18.942	ng/ul	

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

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