Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070324\
Data File : BG061888.D
Acq On : 4 Jul 2024 7:45
Operator : MA/JU
Sample : PB161650BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS650

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 04 08:19:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.091 | 152 | 41476 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.912 | 136 | 201128 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.719 | 164 | 161777 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.457 | 188 | 390500 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.722 | 240 | 346044 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.960 | 264 | 412781 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.479 | 96 | 7131m | 6.461 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.902 | 84 | 87155 | 25.681 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.245 | 99 | 134502 | 29.633 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.416 | 67 | 80253 | 27.920 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.627 | 132 | 90068 | 28.928 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.796 | 113 | 107342 | 30.036 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.261 | 128 | 48488 | 31.699 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.983 | 143 | 61015 | 34.929 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.524 | 165 | 113462 | 33.675 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.041 | 131 | 128540 | 26.277 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.120 | 166 | 390953 | 29.394 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.413 | 160 | 423160 | 30.427 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.913 | 143 | 70326 | 33.110 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.706 | 176 | 354791 | 31.687 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.823 | 200 | 70389 | 34.322 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.557 | 188 | 556852 | 30.543 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.836 | 212 | 632227 | 31.062 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.742 | 264 | 667936 | 32.627 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.520 | 88 | 12164 | 9.985 | ng/uL | 93 |
| 5) Pyridine | 3.920 | 79 | 89680 | 25.767 | ng/ul | 98 |
| 6) Benzaldehyde | 7.234 | 77 | 67813 | 28.229 | ng/ul | 94 |
| 8) Phenol | 7.275 | 94 | 137716 | 29.635 | ng/ul | 94 |
| 10) Bis(2-Chloroethyl)ether | 7.510 | 93 | 95904 | 26.864 | ng/ul | 93 |
| 12) 2-Chlorophenol | 7.657 | 128 | 96060 | 30.284 | ng/ul | 89 |
| 13) 2-Methylphenol | 8.532 | 108 | 100406 | 30.272 | ng/ul | 87 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.620 | 45 | 206639 | 26.494 | ng/ul# | 98 |
| 16) Acetophenone | 8.920 | 105 | 171256 | 29.010 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.902 | 70 | 93567 | 28.312 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.861 | 108 | 111533 | 30.027 | ng/ul | 97 |
| 19) Hexachloroethane | 9.178 | 117 | 40199 | 29.214 | ng/ul# | 72 |
| 22) Nitrobenzene | 9.302 | 77 | 143984 | 33.160 | ng/ul | 97 |
| 23) Isophorone | 9.825 | 82 | 281476 | 28.694 | ng/ul# | 98 |
| 25) 2-Nitrophenol | 10.019 | 139 | 58424 | 32.796 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 10.066 | 107 | 113919 | 26.720 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.306 | 93 | 148019 | 27.401 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.553 | 162 | 106023 | 33.499 | ng/ul | 98 |
| 30) Naphthalene | 10.959 | 128 | 343244 | 31.068 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.064 | 127 | 126824 | 26.422 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 11.229 | 225 | 74595 | 31.320 | ng/ul | 95 |
| 34) Caprolactam | 11.816 | 113 | 43059m | 34.725 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.181 | 107 | 146733 | 34.810 | ng/ul | 90 |
| 36) 2-Methylnaphthalene | 12.557 | 142 | 257632 | 32.188 | ng/ul | 97 |

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|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.774 | 142 | 260897 | 31.366 | ng/ul | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 12.915 | 216 | 147935 | 30.451 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.892 | 237 | 68830 | 21.283 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.156 | 196 | 92306 | 28.606 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.227 | 196 | 108615 | 30.642 | ng/ul | 92 |
| 43) 1,1'-Biphenyl | 13.556 | 154 | 369076 | 29.609 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.603 | 162 | 273298 | 29.214 | ng/ul | 91 |
| 45) 2-Nitroaniline | 13.802 | 65 | 124145 | 33.138 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.167 | 163 | 377617 | 29.518 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.290 | 165 | 81198 | 33.458 | ng/ul | 95 |
| 50) Acenaphthylene | 14.443 | 152 | 447365 | 29.309 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.619 | 138 | 78353 | 33.167 | ng/ul | 98 |
| 52) Acenaphthene | 14.784 | 153 | 310727 | 29.481 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.825 | 184 | 49564 | 39.091 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.930 | 109 | 87825 | 36.229 | ng/ul | 87 |
| 56) Dibenzofuran | 15.113 | 168 | 448606 | 30.115 | ng/ul | 92 |
| 57) 2,4-Dinitrotoluene | 15.077 | 165 | 125876 | 35.367 | ng/ul# | 87 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.336 | 232 | 88826 | 27.751 | ng/ul# | 94 |
| 59) Diethylphthalate | 15.530 | 149 | 407922 | 29.590 | ng/ul | 99 |
| 61) Fluorene | 15.765 | 166 | 387190 | 30.564 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.753 | 204 | 194190 | 30.517 | ng/ul | 91 |
| 63) 4-Nitroaniline | 15.782 | 138 | 84453 | 35.232 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.835 | 198 | 76654 | 34.730 | ng/ul | 92 |
| 67) N-Nitrosodiphenylamine | 15.964 | 169 | 325067 | 30.482 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.646 | 248 | 139499 | 31.489 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.758 | 284 | 166691 | 32.722 | ng/ul | 96 |
| 70) Atrazine | 16.905 | 200 | 38645 | 9.180 | ng/ul# | 93 |
| 71) Pentachlorophenol | 17.104 | 266 | 72959 | 26.056 | ng/ul | 91 |
| 72) Phenanthrene | 17.504 | 178 | 628219 | 30.510 | ng/ul | 99 |
| 74) Anthracene | 17.592 | 178 | 634623 | 29.824 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.520 | 216 | 157155 | 32.403 | ng/ul | 97 |
| 76) Pentachlorobenzene | 15.030 | 250 | 172808 | 31.240 | ng/ul | 95 |
| 77) Carbazole | 17.862 | 167 | 571958 | 31.939 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.409 | 149 | 700849 | 30.483 | ng/ul | 99 |
| 80) Fluoranthene | 19.502 | 202 | 737137 | 30.602 | ng/ul# | 96 |
| 82) Pyrene | 19.866 | 202 | 770508 | 30.967 | ng/ul# | 94 |
| 83) Butylbenzylphthalate | 20.741 | 149 | 313613 | 30.032 | ng/ul | 92 |
| 84) 3,3'-Dichlorobenzidine | 21.617 | 252 | 268131 | 32.570 | ng/ul | 91 |
| 85) Benzo(a)anthracene | 21.699 | 228 | 785139 | 31.337 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.599 | 149 | 443664 | 29.608 | ng/ul | 99 |
| 87) Chrysene | 21.769 | 228 | 742199 | 31.644 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.821 | 149 | 799051 | 31.685 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.926 | 252 | 818019 | 31.454 | ng/ul | 100 |
| 91) Benzo(k)fluoranthene | 24.002 | 252 | 847834 | 32.692 | ng/ul | 95 |
| 93) Benzo(a)pyrene | 24.813 | 252 | 720409 | 29.253 | ng/ul | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 28.661 | 276 | 1033840 | 32.851 | ng/ul# | 95 |
| 95) Dibenzo(a,h)anthracene | 28.732 | 278 | 856296 | 32.945 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.825 | 276 | 803068 | 32.076 | ng/ul | 96 |

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

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