Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072521\
Data File : BG049469.D
Acq On : 25 Jul 2021 3:43
Operator : CG/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020458

**Manual Integrations APPROVED**
mohammad
7/26/2021 1:31:56 PM

Quant Time: Jul 25 09:52:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 24 06:15:51 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.045 | 152 | 24221 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.871 | 136 | 96008 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.695 | 164 | 64111 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.444 | 188 | 148271 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.727 | 240 | 156420 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.999 | 264 | 161814 | 20.00 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.428 | 96 | 4226 | 7.98 | ng/uL | -0.01 |
| 4) Pyridine-d5 | 3.857 | 84 | 28969 | 19.05 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.199 | 99 | 41784 | 19.50 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.364 | 67 | 23825 | 19.63 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.575 | 132 | 31682 | 20.62 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.756 | 113 | 31980 | 19.80 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.214 | 128 | 15582 | 21.11 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.943 | 143 | 17513 | 20.25 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.483 | 165 | 32006 | 20.35 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.000 | 131 | 40626 | 18.53 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.096 | 166 | 100272 | 20.42 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.389 | 160 | 116612 | 20.44 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.889 | 143 | 16428 | 20.31 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.688 | 176 | 86430 | 20.43 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.805 | 200 | 17849 | 19.43 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.544 | 188 | 135774 | 19.70 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.829 | 212 | 165017 | 20.63 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.770 | 264 | 174490 | 20.52 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.463 | 88 | 4257 | 5.88 | ng/uL# | 82 |
| 5) Pyridine | 3.874 | 79 | 31553 | 19.40 | ng/ul# | 94 |
| 6) Benzaldehyde | 7.182 | 77 | 30443 | 23.81 | ng/ul | 93 |
| 8) Phenol | 7.223 | 94 | 40813 | 19.50 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.458 | 93 | 27818 | 19.29 | ng/ul | 89 |
| 12) 2-Chlorophenol | 7.605 | 128 | 30154 | 20.39 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.486 | 108 | 30925 | 19.38 | ng/ul | 83 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.574 | 45 | 32071 | 18.98 | ng/ul# | 95 |
| 16) Acetophenone | 8.873 | 105 | 51754 | 19.91 | ng/ul# | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.856 | 70 | 27189 | 20.28 | ng/ul# | 97 |
| 18) 4-Methylphenol | 8.815 | 108 | 33829 | 20.15 | ng/ul | 97 |
| 19) Hexachloroethane | 9.138 | 117 | 13504 | 20.27 | ng/ul | 92 |
| 22) Nitrobenzene | 9.255 | 77 | 45162 | 20.49 | ng/ul | 95 |
| 23) Isophorone | 9.778 | 82 | 73615 | 19.93 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.972 | 139 | 16870 | 20.72 | ng/ul# | 88 |
| 26) 2,4-Dimethylphenol | 10.025 | 107 | 40619 | 20.94 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.266 | 93 | 37175 | 20.18 | ng/ul# | 98 |
| 29) 2,4-Dichlorophenol | 10.512 | 162 | 31585 | 20.54 | ng/ul | 92 |
| 30) Naphthalene | 10.918 | 128 | 98392 | 19.90 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.023 | 127 | 41666 | 19.98 | ng/ul# | 88 |
| 33) Hexachlorobutadiene | 11.206 | 225 | 24690 | 21.00 | ng/ul# | 86 |
| 34) Caprolactam | 11.816 | 113 | 9305m | 17.79 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.140 | 107 | 36450 | 21.07 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.521 | 142 | 73029 | 20.18 | ng/ul | 90 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.739 | 142 | 75357 | 20.60 | ng/ul | 88 |
| 39) 1,2,4,5-Tetrachloroben... | 12.892 | 216 | 41236 | 21.64 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.868 | 237 | 23063 | 20.09 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 13.126 | 196 | 24901 | 21.27 | ng/ul# | 78 |
| 42) 2,4,5-Trichlorophenol | 13.209 | 196 | 26763 | 21.40 | ng/ul | 84 |
| 43) 1,1'-Biphenyl | 13.526 | 154 | 95949 | 21.02 | ng/ul# | 96 |
| 44) 2-Chloronaphthalene | 13.573 | 162 | 73268 | 20.62 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.773 | 65 | 26141 | 20.73 | ng/ul | 95 |
| 47) Dimethylphthalate | 14.143 | 163 | 97267 | 20.37 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.266 | 165 | 19769 | 20.74 | ng/ul# | 92 |
| 50) Acenaphthylene | 14.419 | 152 | 110711 | 20.32 | ng/ul | 96 |
| 51) 3-Nitroaniline | 14.595 | 138 | 19492 | 20.50 | ng/ul# | 93 |
| 52) Acenaphthene | 14.760 | 153 | 78705 | 20.15 | ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.801 | 184 | 11161 | 23.50 | ng/ul | 91 |
| 55) 4-Nitrophenol | 14.901 | 109 | 22599 | 20.61 | ng/ul | 92 |
| 56) Dibenzofuran | 15.094 | 168 | 111160 | 21.07 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 15.047 | 165 | 28202 | 20.87 | ng/ul | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.318 | 232 | 22900 | 20.18 | ng/ul# | 93 |
| 59) Diethylphthalate | 15.506 | 149 | 99875 | 20.21 | ng/ul | 98 |
| 61) Fluorene | 15.746 | 166 | 91448 | 20.42 | ng/ul# | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.735 | 204 | 48900 | 20.98 | ng/ul# | 87 |
| 63) 4-Nitroaniline | 15.758 | 138 | 20670 | 21.93 | ng/ul | 93 |
| 66) 4,6-Dinitro-2-methylph... | 15.817 | 198 | 16108 | 19.05 | ng/ul# | 78 |
| 67) N-Nitrosodiphenylamine | 15.946 | 169 | 79882 | 20.56 | ng/ul | 96 |
| 68) 4-Bromophenyl-phenylether | 16.628 | 248 | 34006 | 20.60 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.751 | 284 | 34896 | 18.68 | ng/ul | 95 |
| 70) Atrazine | 16.892 | 200 | 34825 | 19.62 | ng/ul | 100 |
| 71) Pentachlorophenol | 17.098 | 266 | 19041 | 22.02 | ng/ul | 96 |
| 72) Phenanthrene | 17.485 | 178 | 151281 | 19.60 | ng/ul | 98 |
| 74) Anthracene | 17.579 | 178 | 152899 | 19.55 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.497 | 216 | 41341 | 20.52 | ng/uL | 94 |
| 76) Pentachlorobenzene | 15.012 | 250 | 42892 | 20.12 | ng/uL | 97 |
| 77) Carbazole | 17.849 | 167 | 136438 | 19.51 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.402 | 149 | 168090 | 19.33 | ng/ul | 99 |
| 80) Fluoranthene | 19.494 | 202 | 195817 | 20.16 | ng/ul | 99 |
| 82) Pyrene | 19.859 | 202 | 194486 | 20.17 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.740 | 149 | 77979 | 20.77 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.615 | 252 | 74994 | 20.87 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.703 | 228 | 191382 | 20.01 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.603 | 149 | 112869 | 20.26 | ng/ul | 100 |
| 87) Chrysene | 21.774 | 228 | 182612 | 19.95 | ng/ul | 96 |
| 89) Di-n-octyl phthalate | 22.831 | 149 | 188031 | 19.77 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.953 | 252 | 207652m | 20.47 | ng/ul | |
| 91) Benzo(k)fluoranthene | 24.018 | 252 | 197145 | 19.86 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.840 | 252 | 180774 | 20.55 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.729 | 276 | 229706 | 20.46 | ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 28.799 | 278 | 189808 | 20.43 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.904 | 276 | 187782 | 20.12 | ng/ul# | 93 |

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

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