Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022421\
Data File : BG048306.D
Acq On : 24 Feb 2021 13:10
Operator : CG/JU
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTD005001

**Manual Integrations APPROVED**
mohammad
2/25/2021 1:10:21 PM

Quant Time: Feb 24 15:26:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG022421.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 24 15:10:09 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 29361 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.93 | 136 | 113531 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.74 | 164 | 84275 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.48 | 188 | 219021 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.77 | 240 | 258244 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.06 | 264 | 248384 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.51 | 96 | 1083 | 1.39 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.00 | 84 | 0d | 0.00 | ng/ul | |
| 7) Phenol-d5 | 0.00 | 99 | 0d | 0.00 | ng/ul | |
| 9) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0d | 0.00 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 7.65 | 132 | 8065 | 4.05 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.00 | 113 | 0d | 0.00 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.28 | 128 | 4002 | 4.19 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.00 | 143 | 4850 | 4.13 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.57 | 165 | 8918m | 4.02 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 46) Dimethylphthalate-d6 | 14.14 | 166 | 31362 | 4.46 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.43 | 160 | 35323 | 4.36 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 60) Fluorene-d10 | 15.73 | 176 | 28390 | 4.50 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 73) Anthracene-d10 | 17.58 | 188 | 49441 | 4.67 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.86 | 212 | 62028 | 4.31 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.83 | 264 | 62394 | 4.59 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 1662 | 1.889 | ng/uL# | 87 |
| 12) 2-Chlorophenol | 7.69 | 128 | 8738 | 4.457 | ng/ul# | 88 |
| 17) N-Nitroso-di-n-propylamine | 8.92 | 70 | 9185 | 4.676 | ng/ul# | 92 |
| 19) Hexachloroethane | 9.19 | 117 | 4122 | 4.546 | ng/ul | 91 |
| 22) Nitrobenzene | 9.33 | 77 | 12971 | 4.534 | ng/ul# | 86 |
| 23) Isophorone | 9.84 | 82 | 23479 | 4.505 | ng/ul# | 91 |
| 25) 2-Nitrophenol | 10.04 | 139 | 5438 | 4.611 | ng/ul# | 87 |
| 26) 2,4-Dimethylphenol | 10.12 | 107 | 11598 | 4.703 | ng/ul | 86 |
| 27) Bis(2-Chloroethoxy)methane | 10.32 | 93 | 11665 | 3.964 | ng/ul | 94 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 9070 | 4.283 | ng/ul | 97 |
| 30) Naphthalene | 10.98 | 128 | 27940 | 4.366 | ng/ul# | 96 |
| 33) Hexachlorobutadiene | 11.24 | 225 | 8901 | 4.919 | ng/ul# | 87 |
| 35) 4-Chloro-3-methylphenol | 12.26 | 107 | 9693 | 4.127 | ng/ul# | 85 |
| 36) 2-Methylnaphthalene | 12.57 | 142 | 21310 | 4.496 | ng/ul | 95 |
| 37) 1-Methylnaphthalene | 12.79 | 142 | 22226 | 4.947 | ng/ul | 89 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 15600 | 4.724 | ng/ul# | 97 |
| 41) 2,4,6-Trichlorophenol | 13.19 | 196 | 8678m | 4.039 | ng/ul | |
| 42) 2,4,5-Trichlorophenol | 13.29 | 196 | 8533 | 3.726 | ng/ul | 90 |
| 43) 1,1'-Biphenyl | 13.57 | 154 | 29157 | 4.527 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.62 | 162 | 25519 | 4.733 | ng/ul# | 94 |
| 45) 2-Nitroaniline | 13.85 | 65 | 9222 | 5.122 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.19 | 163 | 33076 | 4.572 | ng/ul# | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 48) 2,6-Dinitrotoluene | 14.33 | 165 | 6976 | 4.557 ng/ul | 97 |
| 50) Acenaphthylene | 14.46 | 152 | 34994 | 4.477 ng/ul | 99 |
| 52) Acenaphthene | 14.80 | 153 | 25360 | 4.473 ng/ul | 92 |
| 56) Dibenzofuran | 15.14 | 168 | 38465 | 4.707 ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.12 | 165 | 10071 | 4.657 ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 8083 | 3.646 ng/ul# | 93 |
| 59) Diethylphthalate | 15.54 | 149 | 34861 | 4.749 ng/ul | 97 |
| 61) Fluorene | 15.79 | 166 | 31201 | 4.703 ng/ul | 96 |
| 62) 4-Chlorophenyl-phenylether | 15.77 | 204 | 19398 | 4.805 ng/ul | 95 |
| 67) N-Nitrosodiphenylamine | 15.99 | 169 | 27064 | 4.276 ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.67 | 248 | 12188 | 4.194 ng/ul | 91 |
| 69) Hexachlorobenzene | 16.78 | 284 | 13221 | 4.339 ng/ul | 98 |
| 72) Phenanthrene | 17.53 | 178 | 56847 | 4.626 ng/ul | 98 |
| 74) Anthracene | 17.62 | 178 | 57007 | 4.564 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.55 | 216 | 16223 | 4.579 ng/uL | 92 |
| 76) Pentachlorobenzene | 15.05 | 250 | 16896 | 4.703 ng/uL | 93 |
| 78) Di-n-butylphthalate | 18.43 | 149 | 61213 | 4.699 ng/ul | 98 |
| 80) Fluoranthene | 19.53 | 202 | 75540 | 4.120 ng/ul# | 97 |
| 82) Pyrene | 19.89 | 202 | 78546 | 4.376 ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.76 | 149 | 27916 | 4.263 ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.74 | 228 | 81690 | 4.536 ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 40134 | 4.294 ng/ul | 99 |
| 87) Chrysene | 21.81 | 228 | 79502 | 4.576 ng/ul | 95 |
| 90) Benzo(b)fluoranthene | 24.00 | 252 | 79789m | 4.780 ng/ul | |
| 91) Benzo(k)fluoranthene | 24.07 | 252 | 78519 | 4.817 ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.90 | 252 | 70112 | 4.606 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.81 | 276 | 87363m | 4.629 ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.87 | 278 | 73033 | 4.669 ng/ul# | 95 |
| 96) Benzo(g,h,i)perylene | 30.00 | 276 | 72283 | 4.591 ng/ul | 97 |

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

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