Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
Data File : BG045807.D
Acq On : 19 Jun 2020 9:28
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Jun 19 11:12:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 18:34:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 49507 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.72 | 136 | 184576 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.57 | 164 | 132362 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.32 | 188 | 309671 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.57 | 240 | 287141 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.70 | 264 | 319900 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 247310 | 84.38 | ng | | 0.00 |
| 7) Phenol-d6 | 7.15 | 99 | 377120 | 84.60 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.08 | 82 | 353179 | 87.41 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.07 | 330 | 167450 | 83.80 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 781129 | 86.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.94 | 244 | 1259781 | 88.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 54366 | 40.502 | ng | | 97 |
| 3) Pyridine | 3.77 | 79 | 166051 | 41.746 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.69 | 42 | 56716 | 42.479 | ng | | 98 |
| 6) Aniline | 7.25 | 93 | 220641 | 42.035 | ng | | 99 |
| 8) 2-Chlorophenol | 7.51 | 128 | 131543 | 41.932 | ng | | 95 |
| 9) Benzaldehyde | 7.05 | 77 | 109238 | 40.798 | ng | | 90 |
| 10) Phenol | 7.18 | 94 | 181613 | 42.046 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.34 | 93 | 138984 | 42.362 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.80 | 146 | 154619 | 41.360 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.95 | 146 | 159246 | 42.646 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.27 | 146 | 153115 | 42.831 | ng | | 98 |
| 15) Benzyl Alcohol | 8.18 | 79 | 146498 | 42.466 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.45 | 45 | 132765 | 42.937 | ng | | 83 |
| 17) 2-Methylphenol | 8.41 | 107 | 135644 | 42.197 | ng | | 98 |
| 18) Hexachloroethane | 9.00 | 117 | 60291 | 42.512 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.73 | 70 | 123595 | 42.171 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.74 | 107 | 179244 | 42.399 | ng | # | 72 |
| 22) Acetophenone | 8.74 | 105 | 221681 | 43.758 | ng | # | 98 |
| 24) Nitrobenzene | 9.12 | 77 | 187211 | 43.457 | ng | | 96 |
| 25) Isophorone | 9.64 | 82 | 341255 | 43.629 | ng | | 99 |
| 26) 2-Nitrophenol | 9.84 | 139 | 79995 | 44.571 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.93 | 122 | 120231 | 43.878 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.13 | 93 | 178700 | 43.738 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.41 | 162 | 138681 | 43.379 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.59 | 180 | 165478 | 43.723 | ng | | 96 |
| 31) Naphthalene | 10.77 | 128 | 439777 | 43.581 | ng | | 100 |
| 32) Benzoic acid | 10.13 | 122 | 79233 | 45.224 | ng | | 94 |
| 33) 4-Chloroaniline | 10.89 | 127 | 184402 | 43.637 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.07 | 225 | 118163 | 43.901 | ng | | 97 |
| 35) Caprolactam | 11.66 | 113 | 47830 | 46.233 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 12.06 | 107 | 159074 | 43.095 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.39 | 142 | 329795 | 43.889 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.60 | 142 | 308262 | 43.351 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 186625 | 42.820 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.74 | 237 | 84028 | 39.649 ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.02 | 196 | 124173 | 42.022 ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.11 | 196 | 143713 | 42.672 ng | | 98 |
| 46) 1,1'-Biphenyl | 13.40 | 154 | 409498 | 43.213 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 328916 | 42.968 ng | | 97 |
| 48) 2-Nitroaniline | 13.66 | 65 | 110947 | 43.572 ng | | 95 |
| 49) Acenaphthylene | 14.29 | 152 | 532596 | 43.438 ng | | 100 |
| 50) Dimethylphthalate | 14.03 | 163 | 445982 | 43.010 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.14 | 165 | 103030 | 44.239 ng | | 96 |
| 52) Acenaphthene | 14.63 | 154 | 315597 | 42.464 ng | | 99 |
| 53) 3-Nitroaniline | 14.49 | 138 | 97782 | 42.034 ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.70 | 184 | 50191 | 43.813 ng | | 94 |
| 55) Dibenzofuran | 14.97 | 168 | 528285 | 43.756 ng | | 98 |
| 56) 4-Nitrophenol | 14.87 | 139 | 66183 | 41.711 ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 144896 | 43.423 ng | | 92 |
| 58) Fluorene | 15.62 | 166 | 431934 | 43.024 ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.21 | 232 | 125392 | 42.898 ng | | 99 |
| 60) Diethylphthalate | 15.39 | 149 | 463472 | 43.723 ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 15.61 | 204 | 249147 | 43.058 ng | | 98 |
| 62) 4-Nitroaniline | 15.66 | 138 | 105671 | 44.261 ng | | 98 |
| 63) Azobenzene | 15.91 | 77 | 442774 | 43.503 ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.71 | 198 | 89269 | 46.646 ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.83 | 169 | 378453 | 43.147 ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 173131 | 43.027 ng | | 98 |
| 68) Hexachlorobenzene | 16.63 | 284 | 180148 | 43.176 ng | | 97 |
| 69) Atrazine | 16.78 | 200 | 145514 | 42.753 ng | | 98 |
| 70) Pentachlorophenol | 16.99 | 266 | 76987 | 41.476 ng | | 96 |
| 71) Phenanthrene | 17.36 | 178 | 694043 | 43.456 ng | | 100 |
| 72) Anthracene | 17.45 | 178 | 685589 | 43.108 ng | | 99 |
| 73) Carbazole | 17.73 | 167 | 659599 | 43.557 ng | | 100 |
| 74) Di-n-butylphthalate | 18.28 | 149 | 792712 | 44.211 ng | | 100 |
| 75) Fluoranthene | 19.37 | 202 | 846227 | 43.089 ng | | 98 |
| 77) Benzidine | 19.56 | 184 | 332546 | 44.548 ng | | 98 |
| 78) Pyrene | 19.74 | 202 | 858148 | 44.630 ng | | 99 |
| 80) Butylbenzylphthalate | 20.62 | 149 | 356055 | 44.240 ng | | 94 |
| 81) Benzo(a)anthracene | 21.56 | 228 | 804180 | 43.197 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.47 | 252 | 307095 | 43.610 ng | | 98 |
| 83) Chrysene | 21.62 | 228 | 785615 | 43.630 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.47 | 149 | 495852 | 44.293 ng | | 97 |
| 85) Di-n-octyl phthalate | 22.64 | 149 | 844851 | 43.751 ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.26 | 276 | 985494 | 42.494 ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.72 | 252 | 869065 | 43.329 ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.78 | 252 | 818207 | 42.622 ng | | 98 |
| 90) Benzo(a)pyrene | 24.56 | 252 | 805900 | 43.012 ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.31 | 278 | 806917 | 43.389 ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.36 | 276 | 786392 | 42.247 ng | | 99 |

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

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