Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044787.D
Acq On : 14 Mar 2020 6:50
Operator : CG/JU
Sample : L1761-10MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-01-031220MS

Manual Integrations APPROVED
mohammad
3/18/2020 8:43:46 AM

Quant Time: Mar 16 02:11:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 106954 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 437950 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 292095 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 627015 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.70 | 240 | 499191 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.92 | 264 | 580096 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 860429 | 125.23 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 1108340 | 111.03 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 881163 | 88.29 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 526100 | 137.56 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 1754344 | 86.01 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 2407252 | 90.20 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 110043 | 33.260 | ng | # 23 |
| 3) Pyridine | 3.94 | 79 | 216185 | 22.072 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 154371 | 41.540 | ng | 99 |
| 6) Aniline | 7.37 | 93 | 240995 | 19.402 | ng | 96 |
| 8) 2-Chlorophenol | 7.62 | 128 | 352116 | 51.339 | ng | 96 |
| 9) Benzaldehyde | 7.18 | 77 | 277393 | 48.376 | ng | 98 |
| 10) Phenol | 7.24 | 94 | 427558 | 43.262 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 351332 | 44.543 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 322219 | 38.138 | ng | 94 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 319686 | 38.273 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 307004 | 38.754 | ng | 95 |
| 15) Benzyl Alcohol | 8.28 | 79 | 376344 | 46.988 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 546543 | 39.266 | ng | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 319142 | 47.672 | ng | 95 |
| 18) Hexachloroethane | 9.15 | 117 | 120835 | 36.745 | ng | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 311148 | 44.143 | ng | 95 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 431350 | 46.742 | ng | 99 |
| 22) Acetophenone | 8.87 | 105 | 549262 | 44.270 | ng | 98 |
| 24) Nitrobenzene | 9.25 | 77 | 472018 | 45.580 | ng | 97 |
| 25) Isophorone | 9.78 | 82 | 861497 | 44.228 | ng | 97 |
| 26) 2-Nitrophenol | 9.97 | 139 | 193556 | 53.167 | ng | 97 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 337263 | 53.169 | ng | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 488297 | 42.006 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 360392 | 48.642 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 360383 | 40.680 | ng | 99 |
| 31) Naphthalene | 10.91 | 128 | 1030530 | 42.478 | ng | 99 |
| 32) Benzoic acid | 10.16 | 122 | 180712 | 38.872 | ng | 97 |
| 33) 4-Chloroaniline | 11.01 | 127 | 71156 | 6.510 | ng | 99 |
| 34) Hexachlorobutadiene | 11.21 | 225 | 228680 | 39.252 | ng | 98 |
| 35) Caprolactam | 11.78 | 113 | 95620m | 34.087 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 417302 | 47.225 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 788769 | 43.464 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 749678 | 43.941 | ng | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 434597 | 45.178 | ng | 98 |

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|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 207672 | 39.503 ng | 96 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 319902 | 50.110 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 334900 | 50.584 ng | 96 |
| 46) 1,1'-Biphenyl | 13.52 | 154 | 1004167 | 43.020 ng | 99 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 770567 | 43.214 ng | 99 |
| 48) 2-Nitroaniline | 13.75 | 65 | 297220 | 47.611 ng | 94 |
| 49) Acenaphthylene | 14.41 | 152 | 1272249 | 45.543 ng | 100 |
| 50) Dimethylphthalate | 14.14 | 163 | 1083519 | 46.575 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.25 | 165 | 238218 | 50.800 ng | 96 |
| 52) Acenaphthene | 14.75 | 154 | 804633 | 43.981 ng | 98 |
| 53) 3-Nitroaniline | 14.58 | 138 | 129793 | 24.075 ng | 99 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 64717 | 31.986 ng | 92 |
| 55) Dibenzofuran | 15.08 | 168 | 1214124 | 45.764 ng | 99 |
| 56) 4-Nitrophenol | 14.88 | 139 | 352634 | 85.704 ng | 96 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 319452 | 49.672 ng | 89 |
| 58) Fluorene | 15.73 | 166 | 980749 | 44.939 ng | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 303868m | 49.852 ng | |
| 60) Diethylphthalate | 15.51 | 149 | 1043816 | 43.019 ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 537703 | 45.757 ng | 98 |
| 62) 4-Nitroaniline | 15.74 | 138 | 206149 | 35.859 ng | 98 |
| 63) Azobenzene | 16.02 | 77 | 1102800 | 43.767 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 56757 | 23.867 ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 888269 | 47.054 ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 370450 | 47.260 ng | 96 |
| 68) Hexachlorobenzene | 16.75 | 284 | 399568 | 46.986 ng | 97 |
| 69) Atrazine | 16.89 | 200 | 342565 | 49.531 ng | 98 |
| 70) Pentachlorophenol | 17.09 | 266 | 476063 | 101.744 ng | 99 |
| 71) Phenanthrene | 17.47 | 178 | 1532337 | 45.732 ng | 99 |
| 72) Anthracene | 17.57 | 178 | 1570401 | 47.531 ng | 100 |
| 73) Carbazole | 17.83 | 167 | 1441444 | 45.419 ng | 99 |
| 74) Di-n-butylphthalate | 18.40 | 149 | 1674549 | 43.405 ng | 100 |
| 75) Fluoranthene | 19.48 | 202 | 1756116 | 44.018 ng | 99 |
| 77) Benzidine | 19.65 | 184 | 599048 | 36.965 ng | 98 |
| 78) Pyrene | 19.84 | 202 | 1753405 | 47.876 ng | 98 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 758590 | 46.559 ng | 99 |
| 81) Benzo(a)anthracene | 21.69 | 228 | 1674397 | 46.582 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 474241 | 34.103 ng | 99 |
| 83) Chrysene | 21.75 | 228 | 1581777 | 46.068 ng | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 1034728 | 46.015 ng | 100 |
| 85) Di-n-octyl phthalate | 22.83 | 149 | 1763334 | 46.861 ng | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.59 | 276 | 1950632 | 43.333 ng | 98 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 1733867 | 45.275 ng | 98 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 1706307 | 47.081 ng | 98 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 1607687 | 44.864 ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.66 | 278 | 1605525 | 45.415 ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.72 | 276 | 1513493 | 42.374 ng | 98 |

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

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