Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013120\
Data File : BM024687.D
Acq On : 31 Jan 2020 22:10
Operator : CG/JU
Sample : L1004-18MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BU-01-012920MS

**Manual Integrations APPROVED**
mohammad
2/3/2020 4:11:15 PM

Quant Time: Feb 01 02:29:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.43 | 152 | 202903 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.18 | 136 | 726007 | 20.00 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.07 | 164 | 496887 | 20.00 | ng | -0.02 |
| 64) Phenanthrene-d10 | 16.83 | 188 | 1161749 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.04 | 240 | 1261719 | 20.00 | ng | -0.02 |
| 87) Perylene-d12 | 23.14 | 264 | 1454407 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.07 | 112 | 1464310 | 137.25 | ng | -0.01 |
| 7) Phenol-d6 | 6.63 | 99 | 1737922 | 118.25 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.56 | 82 | 1179521 | 79.68 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.58 | 330 | 1238627 | 153.25 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 12.69 | 172 | 3363895 | 92.04 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.49 | 244 | 6648651 | 98.38 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.08 | 88 | 165164 | 39.134 | ng | # 59 |
| 3) Pyridine | 3.45 | 79 | 363997 | 29.751 | ng | 93 |
| 4) n-Nitrosodimethylamine | 3.36 | 42 | 193760 | 35.679 | ng | 86 |
| 6) Aniline | 6.77 | 93 | 214806 | 12.006 | ng | 95 |
| 8) 2-Chlorophenol | 7.00 | 128 | 588021 | 48.414 | ng | 92 |
| 9) Benzaldehyde | 6.57 | 77 | 248852 | 28.655 | ng | 93 |
| 10) Phenol | 6.65 | 94 | 656806 | 44.831 | ng | 96 |
| 11) bis(2-Chloroethyl)ether | 6.87 | 93 | 479708 | 40.900 | ng | 94 |
| 12) 1,3-Dichlorobenzene | 7.32 | 146 | 646910 | 43.356 | ng | 96 |
| 13) 1,4-Dichlorobenzene | 7.46 | 146 | 660890 | 43.660 | ng | 97 |
| 14) 1,2-Dichlorobenzene | 7.77 | 146 | 629446 | 43.079 | ng | 98 |
| 15) Benzyl Alcohol | 7.67 | 79 | 487380 | 40.220 | ng | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.96 | 45 | 353714 | 32.943 | ng | 95 |
| 17) 2-Methylphenol | 7.88 | 107 | 454650 | 44.037 | ng | 96 |
| 18) Hexachloroethane | 8.49 | 117 | 224987 | 38.491 | ng | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.23 | 70 | 383185 | 34.724 | ng | 95 |
| 20) 3+4-Methylphenols | 8.20 | 107 | 615535 | 43.070 | ng | 97 |
| 22) Acetophenone | 8.24 | 105 | 795257 | 42.481 | ng | 96 |
| 24) Nitrobenzene | 8.60 | 77 | 584028 | 41.168 | ng | 93 |
| 25) Isophorone | 9.13 | 82 | 1064357 | 42.314 | ng | 97 |
| 26) 2-Nitrophenol | 9.31 | 139 | 335827 | 51.123 | ng | 90 |
| 27) 2,4-Dimethylphenol | 9.39 | 122 | 510578 | 57.197 | ng | 95 |
| 28) bis(2-Chloroethoxy)methane | 9.62 | 93 | 651254 | 42.382 | ng | 99 |
| 29) 2,4-Dichlorophenol | 9.85 | 162 | 634700 | 52.627 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.05 | 180 | 701637 | 48.238 | ng | 96 |
| 31) Naphthalene | 10.23 | 128 | 1695232 | 46.231 | ng | 99 |
| 32) Benzoic acid | 9.55 | 122 | 371444m | 45.488 | ng | |
| 33) 4-Chloroaniline | 10.36 | 127 | 61701 | 3.839 | ng | 94 |
| 34) Hexachlorobutadiene | 10.53 | 225 | 461542 | 45.902 | ng | 99 |
| 35) Caprolactam | 11.13 | 113 | 155927m | 40.299 | ng | |
| 36) 4-Chloro-3-methylphenol | 11.49 | 107 | 591123 | 46.095 | ng | 91 |
| 37) 2-Methylnaphthalene | 11.86 | 142 | 1335814 | 47.205 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.08 | 142 | 1267975 | 47.105 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.24 | 216 | 831170 | 46.869 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.23 | 237 | 926825 | 93.240 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.49 | 196 | 579518 | 51.353 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 12.56 | 196 | 616548 | 53.496 | ng | | 97 |
| 46) 1,1'-Biphenyl | 12.90 | 154 | 1770860 | 47.093 | ng | | 98 |
| 47) 2-Chloronaphthalene | 12.93 | 162 | 1425032 | 46.942 | ng | | 98 |
| 48) 2-Nitroaniline | 13.15 | 65 | 339431 | 36.660 | ng | | 85 |
| 49) Acenaphthylene | 13.79 | 152 | 2233133 | 49.139 | ng | | 100 |
| 50) Dimethylphthalate | 13.55 | 163 | 1976665 | 49.196 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.66 | 165 | 429972 | 50.334 | ng | # | 83 |
| 52) Acenaphthene | 14.14 | 154 | 1336671 | 47.400 | ng | | 99 |
| 53) 3-Nitroaniline | 13.99 | 138 | 97899 | 11.049 | ng | | 91 |
| 54) 2,4-Dinitrophenol | 14.20 | 184 | 511846 | 100.198 | ng | # | 85 |
| 55) Dibenzofuran | 14.48 | 168 | 2258659 | 49.111 | ng | | 96 |
| 56) 4-Nitrophenol | 14.32 | 139 | 731133 | 105.567 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 14.46 | 165 | 593426 | 48.471 | ng | # | 86 |
| 58) Fluorene | 15.13 | 166 | 1843189 | 47.690 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.72 | 232 | 607777 | 52.002 | ng | | 94 |
| 60) Diethylphthalate | 14.93 | 149 | 1874192 | 45.946 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.14 | 204 | 1035761 | 46.483 | ng | | 98 |
| 62) 4-Nitroaniline | 15.16 | 138 | 367534 | 37.581 | ng | | 91 |
| 63) Azobenzene | 15.43 | 77 | 1411166 | 40.557 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 15.22 | 198 | 373644 | 54.700 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.36 | 169 | 1657523 | 49.669 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.03 | 248 | 705430 | 48.828 | ng | | 95 |
| 68) Hexachlorobenzene | 16.14 | 284 | 815302 | 49.177 | ng | | 96 |
| 69) Atrazine | 16.33 | 200 | 679502 | 53.047 | ng | | 98 |
| 70) Pentachlorophenol | 16.49 | 266 | 1097234 | 108.653 | ng | | 98 |
| 71) Phenanthrene | 16.87 | 178 | 3067004 | 48.752 | ng | | 99 |
| 72) Anthracene | 16.96 | 178 | 3128834 | 50.829 | ng | | 100 |
| 73) Carbazole | 17.23 | 167 | 2794088 | 49.861 | ng | | 99 |
| 74) Di-n-butylphthalate | 17.83 | 149 | 3299297 | 46.055 | ng | | 99 |
| 75) Fluoranthene | 18.90 | 202 | 3931635 | 50.072 | ng | | 99 |
| 77) Benzidine | 19.09 | 184 | 1153754 | 39.265 | ng | | 99 |
| 78) Pyrene | 19.26 | 202 | 4042615 | 48.602 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.20 | 149 | 1544375 | 44.249 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.03 | 228 | 4209277 | 48.067 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 20.97 | 252 | 692081 | 21.970 | ng | | 99 |
| 83) Chrysene | 21.07 | 228 | 4036192 | 48.303 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 2265823 | 43.998 | ng | | 97 |
| 85) Di-n-octyl phthalate | 21.84 | 149 | 3937063 | 46.274 | ng | # | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 25.22 | 276 | 5193543 | 57.025 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.53 | 252 | 4551180 | 48.248 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.57 | 252 | 4411191 | 47.909 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.06 | 252 | 4060943 | 47.351 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 25.23 | 278 | 4405520 | 54.122 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 25.84 | 276 | 4331967 | 58.609 | ng | | 98 |

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

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