Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000881.D
Acq On : 18 Oct 2019 17:26
Operator : JU
Sample : K5401-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
RBR200031-RT4221MSD

**Manual Integrations APPROVED**
mohammad
10/22/2019 1:39:15 AM

Quant Time: Oct 19 04:32:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 16:40:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 151912 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 545216 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.79 | 164 | 306422 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.29 | 188 | 574781 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.96 | 240 | 483886 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.44 | 264 | 552544 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 940644 | 99.53 | ng | | 0.00 |
| 7) Phenol-d6 | 6.39 | 99 | 1187661 | 104.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 665115 | 74.51 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.59 | 330 | 396880 | 121.55 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 1438255 | 75.94 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.89 | 244 | 1676063 | 70.13 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.45 | 88 | 103238 | 27.356 | ng | | 99 |
| 3) Pyridine | 3.19 | 79 | 261606 | 25.371 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.12 | 42 | 90260 | 31.108 | ng | | 100 |
| 6) Aniline | 6.40 | 93 | 264767 | 19.137 | ng | # | 31 |
| 8) 2-Chlorophenol | 6.53 | 128 | 331178 | 35.508 | ng | | 98 |
| 9) Benzaldehyde | 6.29 | 77 | 166104 | 28.001 | ng | | 98 |
| 10) Phenol | 6.40 | 94 | 405428 | 34.770 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.48 | 93 | 312383 | 34.822 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.68 | 146 | 371965 | 32.899 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.76 | 146 | 382314 | 33.605 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.91 | 146 | 353996 | 33.702 | ng | | 99 |
| 15) Benzyl Alcohol | 6.89 | 79 | 258011 | 35.081 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.02 | 45 | 262502 | 31.723 | ng | | 99 |
| 17) 2-Methylphenol | 7.00 | 107 | 269917 | 35.017 | ng | | 98 |
| 18) Hexachloroethane | 7.25 | 117 | 129574 | 32.001 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.16 | 70 | 187823 | 35.781 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 347844 | 38.566 | ng | | 91 |
| 22) Acetophenone | 7.15 | 105 | 456356 | 36.224 | ng | # | 97 |
| 24) Nitrobenzene | 7.32 | 77 | 305536 | 35.487 | ng | | 98 |
| 25) Isophorone | 7.56 | 82 | 567845 | 35.841 | ng | | 99 |
| 26) 2-Nitrophenol | 7.64 | 139 | 175494 | 38.760 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.69 | 122 | 283595 | 40.861 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 376461 | 34.965 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 302978 | 38.608 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.97 | 180 | 336521 | 36.513 | ng | | 100 |
| 31) Naphthalene | 8.05 | 128 | 961621 | 37.765 | ng | | 100 |
| 32) Benzoic acid | 7.81 | 122 | 143400 | 32.722 | ng | | 99 |
| 33) 4-Chloroaniline | 8.10 | 127 | 153630 | 13.741 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.17 | 225 | 203937 | 36.615 | ng | | 99 |
| 35) Caprolactam | 8.45 | 113 | 95004m | 36.145 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 296271 | 38.547 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 669566 | 39.170 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.84 | 142 | 621592 | 38.485 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 351960 | 36.289 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.90 | 237 | 111062 | 33.296 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.03 | 196 | 214815 | 35.980 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.07 | 196 | 233656 | 37.905 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.20 | 154 | 828622 | 35.825 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.23 | 162 | 649187 | 36.298 | ng | | 98 |
| 48) 2-Nitroaniline | 9.33 | 65 | 150117 | 34.669 | ng | | 95 |
| 49) Acenaphthylene | 9.65 | 152 | 1028462 | 38.115 | ng | | 99 |
| 50) Dimethylphthalate | 9.51 | 163 | 1034744 | 48.598 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.57 | 165 | 174516 | 37.586 | ng | | 91 |
| 52) Acenaphthene | 9.82 | 154 | 591098 | 36.113 | ng | | 100 |
| 53) 3-Nitroaniline | 9.74 | 138 | 89309 | 16.787 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 9.86 | 184 | 94178 | 60.786 | ng | | 97 |
| 55) Dibenzofuran | 10.00 | 168 | 940790 | 38.450 | ng | | 97 |
| 56) 4-Nitrophenol | 9.92 | 139 | 213518 | 62.862 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 9.99 | 165 | 230383 | 37.422 | ng | | 94 |
| 58) Fluorene | 10.34 | 166 | 722539 | 41.434 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 194502 | 37.326 | ng | | 96 |
| 60) Diethylphthalate | 10.22 | 149 | 753106 | 37.261 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.33 | 204 | 376554 | 40.156 | ng | | 96 |
| 62) 4-Nitroaniline | 10.36 | 138 | 162522 | 31.763 | ng | | 98 |
| 63) Azobenzene | 10.49 | 77 | 597496 | 38.504 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.40 | 198 | 85424 | 33.526 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 10.45 | 169 | 639985 | 38.230 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.83 | 248 | 246293 | 38.066 | ng | | 97 |
| 68) Hexachlorobenzene | 10.90 | 284 | 265684 | 36.135 | ng | # | 91 |
| 69) Atrazine | 10.99 | 200 | 203466 | 37.036 | ng | | 99 |
| 70) Pentachlorophenol | 11.10 | 266 | 196343 | 66.487 | ng | | 99 |
| 71) Phenanthrene | 11.31 | 178 | 1155605 | 40.032 | ng | | 100 |
| 72) Anthracene | 11.36 | 178 | 1129573 | 39.465 | ng | | 99 |
| 73) Carbazole | 11.52 | 167 | 1010454 | 38.084 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.86 | 149 | 1226908 | 37.960 | ng | | 99 |
| 75) Fluoranthene | 12.52 | 202 | 1398097 | 43.123 | ng | | 100 |
| 77) Benzidine | 12.64 | 184 | 555787 | 39.665 | ng | | 98 |
| 78) Pyrene | 12.75 | 202 | 1395886 | 41.826 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.37 | 149 | 533472 | 36.683 | ng | | 100 |
| 81) Benzo(a)anthracene | 13.96 | 228 | 1158601 | 39.243 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.92 | 252 | 350371 | 29.877 | ng | | 99 |
| 83) Chrysene | 13.99 | 228 | 1120962 | 38.684 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 720630 | 39.400 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.57 | 149 | 1285577 | 38.779 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 1369513 | 37.835 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.02 | 252 | 1210028 | 38.601 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.05 | 252 | 1144765 | 38.358 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.38 | 252 | 1156494 | 39.577 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.93 | 278 | 1115303 | 39.353 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.36 | 276 | 1152875 | 40.032 | ng | | 99 |

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

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