Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122916\
Data File : BF092020.D
Acq On : 29 Dec 2016 12:58
Operator : UM/SJ
Sample : H6278-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-01MS

**Manual Integrations APPROVED**
Sohil
12/30/2016 8:41:44 AM

Quant Time: Dec 29 14:49:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.69 | 152 | 229035 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.98 | 136 | 967915 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 510069 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 1062793 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.85 | 240 | 647935 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.23 | 264 | 700081 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 1011516 | 73.74 | ng | | -0.02 |
| 7) Phenol-d6 | 6.36 | 99 | 858871 | 51.29 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1600767 | 91.96 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 644825 | 152.76 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 2690139 | 112.19 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.81 | 244 | 3023318 | 113.17 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.20 | 88 | 142279 | 21.07 | ng | # | 95 |
| 3) Pyridine | 2.90 | 79 | 275284 | 11.68 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.82 | 42 | 153466 | 17.26 | ng | | 97 |
| 6) Aniline | 6.36 | 93 | 555558 | 25.54 | ng | # | 53 |
| 8) 2-Chlorophenol | 6.49 | 128 | 668040 | 42.81 | ng | | 92 |
| 9) Benzaldehyde | 6.24 | 77 | 98181 | 7.83 | ng | | 96 |
| 10) Phenol | 6.37 | 94 | 368176 | 19.29 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 792759 | 52.21 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 727959 | 43.70 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.70 | 146 | 673039 | 39.70 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.86 | 146 | 659144 | 44.81 | ng | | 99 |
| 15) Benzyl Alcohol | 6.85 | 79 | 374639 | 28.79 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 1062345 | 46.98 | ng | # | 39 |
| 17) 2-Methylphenol | 6.98 | 107 | 410978 | 32.75 | ng | # | 87 |
| 18) Hexachloroethane | 7.21 | 117 | 265407 | 42.23 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 617745 | 55.45 | ng | # | 88 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 510019 | 34.08 | ng | # | 72 |
| 22) Acetophenone | 7.12 | 105 | 1145391 | 47.98 | ng | # | 89 |
| 24) Nitrobenzene | 7.29 | 77 | 888078 | 47.90 | ng | | 92 |
| 25) Isophorone | 7.53 | 82 | 1553989 | 48.39 | ng | | 97 |
| 26) 2-Nitrophenol | 7.60 | 139 | 389336 | 42.58 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.65 | 122 | 549601 | 36.24 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 1036528 | 53.23 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 585654 | 45.61 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.93 | 180 | 638514 | 45.38 | ng | | 97 |
| 31) Naphthalene | 8.01 | 128 | 2055605 | 46.40 | ng | | 99 |
| 32) Benzoic acid | 7.76 | 122 | 117683 | 10.46 | ng | | 98 |
| 33) 4-Chloroaniline | 8.06 | 127 | 481304 | 24.10 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 316001 | 42.55 | ng | | 99 |
| 35) Caprolactam | 8.44 | 113 | 28387 | 6.73 | ng | # | 54 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 589709 | 39.91 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 1315445 | 51.83 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 626444 | 48.61 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.85 | 237 | 515022 | 89.25 | ng | | 98 |

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Quant Time: Dec 29 14:49:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 2016
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 406357 | 45.09 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.04 | 196 | 457263 | 49.30 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.16 | 154 | 1701877 | 48.73 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.18 | 162 | 1318346 | 47.67 | ng | | 96 |
| 47) 2-Nitroaniline | 9.29 | 65 | 431697 | 43.84 | ng | | 99 |
| 48) Acenaphthylene | 9.60 | 152 | 1855453 | 43.62 | ng | | 100 |
| 49) Dimethylphthalate | 9.47 | 163 | 1742110 | 53.40 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.54 | 165 | 397361 | 55.65 | ng | # | 82 |
| 51) Acenaphthene | 9.77 | 154 | 1193999 | 41.40 | ng | | 99 |
| 52) 3-Nitroaniline | 9.70 | 138 | 225898 | 25.56 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.81 | 184 | 292889 | 73.72 | ng | # | 80 |
| 54) Dibenzofuran | 9.94 | 168 | 1620123 | 41.60 | ng | | 98 |
| 55) 4-Nitrophenol | 9.89 | 139 | 197395 | 32.90 | ng | | 88 |
| 56) 2,4-Dinitrotoluene | 9.94 | 165 | 466904 | 52.10 | ng | # | 88 |
| 57) Fluorene | 10.28 | 166 | 1272957 | 44.93 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.06 | 232 | 354475 | 48.32 | ng | | 99 |
| 59) Diethylphthalate | 10.17 | 149 | 1527683 | 48.22 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.28 | 204 | 651533 | 52.52 | ng | # | 81 |
| 61) 4-Nitroaniline | 10.32 | 138 | 350784 | 38.31 | ng | | 97 |
| 62) Azobenzene | 10.44 | 77 | 1915152 | 54.90 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 10.35 | 198 | 230029 | 35.79 | ng | | 100 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 1333811 | 42.29 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 417715 | 37.78 | ng | | 95 |
| 67) Hexachlorobenzene | 10.83 | 284 | 457425 | 38.71 | ng | | 95 |
| 68) Atrazine | 10.93 | 200 | 395596 | 38.89 | ng | | 97 |
| 69) Pentachlorophenol | 11.04 | 266 | 468423 | 80.79 | ng | | 99 |
| 70) Phenanthrene | 11.24 | 178 | 2530412 | 43.91 | ng | | 99 |
| 71) Anthracene | 11.29 | 178 | 2417699 | 48.67 | ng | | 100 |
| 72) Carbazole | 11.45 | 167 | 2346303 | 54.71 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.79 | 149 | 3092978 | 57.81 | ng | | 99 |
| 74) Fluoranthene | 12.42 | 202 | 2529462 | 50.50 | ng | | 99 |
| 76) Benzidine | 12.55 | 184 | 482612 | 26.24 | ng | | 96 |
| 77) Pyrene | 12.65 | 202 | 2358944 | 49.62 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.28 | 149 | 1220035 | 56.43 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.84 | 228 | 2009588 | 54.95 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.81 | 252 | 636552 | 45.90 | ng | # | 94 |
| 82) Chrysene | 13.88 | 228 | 2081520 | 56.74 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 1541208 | 60.53 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.45 | 149 | 2903960 | 61.57 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.55 | 276 | 1874655 | 58.98 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 2382460m | 54.66 | ng | | |
| 88) Benzo(k)fluoranthene | 14.88 | 252 | 1401372m | 37.70 | ng | | |
| 89) Benzo(a)pyrene | 15.17 | 252 | 1812123 | 46.84 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 1511956 | 47.55 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.93 | 276 | 1614007 | 48.82 | ng | # | 94 |

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

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