Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA M\DATA\BM082217\
Data File : BM011333.D
Acq On : 22 Aug 2017 18:45
Operator : SJ/JU
Sample : I4892-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
HR-06-081817MSD

**Manual Integrations APPROVED**
Sohil
8/23/2017 7:21:32 PM

Quant Time: Aug 23 03:34:53 2017
Quant Method : Z:\HPCHEM1\BNA M\Methods\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 16 02:25:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.27 | 152 | 135770 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.02 | 136 | 501050 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 13.93 | 164 | 365222 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 16.70 | 188 | 993367 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 20.93 | 240 | 1333867 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 22.99 | 264 | 1176675 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.91 | 112 | 1050708 | 130.82 | ng | | -0.02 |
| 7) Phenol-d6 | 6.48 | 99 | 1417254 | 124.20 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.42 | 82 | 1491654 | 111.73 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.45 | 330 | 806522 | 137.78 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 12.54 | 172 | 2555475 | 87.75 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.37 | 244 | 5025838 | 74.64 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.92 | 88 | 155428 | 43.101 | ng | # | 100 |
| 3) Pyridine | 3.29 | 79 | 339297 | 34.446 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.20 | 42 | 268122 | 53.415 | ng | # | 67 |
| 6) Aniline | 6.62 | 93 | 330023 | 22.946 | ng | # | 85 |
| 8) 2-Chlorophenol | 6.84 | 128 | 328731 | 40.314 | ng | # | 61 |
| 9) Benzaldehyde | 6.43 | 77 | 318321 | 43.113 | ng | # | 67 |
| 10) Phenol | 6.50 | 94 | 486627 | 39.261 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 435206 | 45.064 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 7.16 | 146 | 378036 | 38.041 | ng | # | 74 |
| 13) 1,4-Dichlorobenzene | 7.30 | 146 | 382883 | 37.588 | ng | # | 89 |
| 14) 1,2-Dichlorobenzene | 7.61 | 146 | 363058 | 37.277 | ng | # | 87 |
| 15) Benzyl Alcohol | 7.52 | 79 | 554819 | 50.681 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.80 | 45 | 466591 | 53.690 | ng | | 79 |
| 17) 2-Methylphenol | 7.73 | 107 | 346965 | 43.800 | ng | # | 69 |
| 18) Hexachloroethane | 8.32 | 117 | 175117 | 39.421 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.08 | 70 | 510922 | 52.687 | ng | # | 89 |
| 20) 3+4-Methylphenols | 8.05 | 107 | 448309 | 40.712 | ng | # | 76 |
| 22) Acetophenone | 8.09 | 105 | 693274 | 46.159 | ng | # | 86 |
| 24) Nitrobenzene | 8.46 | 77 | 738119 | 53.356 | ng | # | 80 |
| 25) Isophorone | 8.98 | 82 | 1188223 | 53.382 | ng | # | 81 |
| 26) 2-Nitrophenol | 9.16 | 139 | 182434 | 41.446 | ng | # | 1 |
| 27) 2,4-Dimethylphenol | 9.23 | 122 | 331396 | 42.767 | ng | # | 61 |
| 28) bis(2-Chloroethoxy)methane | 9.47 | 93 | 605636 | 48.784 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 9.69 | 162 | 375973 | 43.179 | ng | | 85 |
| 30) 1,2,4-Trichlorobenzene | 9.89 | 180 | 466302 | 43.312 | ng | | 96 |
| 31) Naphthalene | 10.07 | 128 | 1098651 | 43.587 | ng | | 100 |
| 32) Benzoic acid | 9.39 | 122 | 208466 | 33.470 | ng | # | 34 |
| 33) 4-Chloroaniline | 10.21 | 127 | 148354 | 14.754 | ng | # | 60 |
| 34) Hexachlorobutadiene | 10.36 | 225 | 372000 | 43.870 | ng | | 93 |
| 35) Caprolactam | 11.00 | 113 | 87681m | 35.509 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.34 | 107 | 490235 | 43.602 | ng | # | 73 |
| 37) 2-Methylnaphthalene | 11.70 | 142 | 860441 | 46.468 | ng | # | 86 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.09 | 216 | 647026 | 41.235 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.06 | 237 | 825476 | 90.284 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.34 | 196 | 391324 | 41.204 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 12.42 | 196 | 422171 | 43.159 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 12.75 | 154 | 1212729 | 38.402 | ng | | 92 |
| 46) 2-Chloronaphthalene | 12.79 | 162 | 972042 | 41.776 | ng | # | 92 |
| 47) 2-Nitroaniline | 13.02 | 65 | 474262 | 57.615 | ng | # | 61 |
| 48) Acenaphthylene | 13.65 | 152 | 1439157 | 41.445 | ng | | 99 |
| 49) Dimethylphthalate | 13.42 | 163 | 1262515 | 40.409 | ng | # | 99 |
| 50) 2,6-Dinitrotoluene | 13.53 | 165 | 271286 | 42.939 | ng | # | 36 |
| 51) Acenaphthene | 14.00 | 154 | 912470 | 42.439 | ng | | 99 |
| 52) 3-Nitroaniline | 13.86 | 138 | 213205 | 38.888 | ng | # | 8 |
| 53) 2,4-Dinitrophenol | 14.07 | 184 | 371592 | 82.758 | ng | # | 73 |
| 54) Dibenzofuran | 14.34 | 168 | 1609432 | 46.197 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.20 | 139 | 328236 | 68.143 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 14.33 | 165 | 399947 | 45.092 | ng | # | 64 |
| 57) Fluorene | 15.00 | 166 | 1310076 | 43.191 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.58 | 232 | 449549 | 49.032 | ng | # | 100 |
| 59) Diethylphthalate | 14.80 | 149 | 1354141 | 42.439 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.00 | 204 | 802193 | 43.804 | ng | | 97 |
| 61) 4-Nitroaniline | 15.04 | 138 | 210507 | 36.148 | ng | # | 1 |
| 62) Azobenzene | 15.30 | 77 | 2042542 | 59.812 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 15.10 | 198 | 270218 | 40.181 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 15.23 | 169 | 1173517 | 41.279 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 15.90 | 248 | 540450 | 42.321 | ng | # | 92 |
| 67) Hexachlorobenzene | 16.00 | 284 | 549811 | 38.101 | ng | # | 87 |
| 68) Atrazine | 16.20 | 200 | 503555 | 44.200 | ng | | 94 |
| 69) Pentachlorophenol | 16.36 | 266 | 740570 | 80.836 | ng | | 97 |
| 70) Phenanthrene | 16.74 | 178 | 2357052 | 45.315 | ng | | 99 |
| 71) Anthracene | 16.83 | 178 | 2412989 | 46.515 | ng | | 99 |
| 72) Carbazole | 17.11 | 167 | 2000416 | 44.095 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.70 | 149 | 2391094 | 43.281 | ng | # | 95 |
| 74) Fluoranthene | 18.77 | 202 | 3185411 | 49.418 | ng | | 98 |
| 76) Benzidine | 18.99 | 184 | 779469 | 24.427 | ng | | 98 |
| 77) Pyrene | 19.14 | 202 | 3294454 | 41.567 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.09 | 149 | 1184292 | 42.021 | ng | # | 55 |
| 80) Benzo(a)anthracene | 20.91 | 228 | 3302977 | 43.367 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 20.86 | 252 | 897738 | 30.046 | ng | # | 96 |
| 82) Chrysene | 20.96 | 228 | 3113957 | 42.593 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 20.88 | 149 | 1674882 | 40.396 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 21.72 | 149 | 2830832 | 42.068 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 25.00 | 276 | 3375130 | 44.576 | ng | # | 96 |
| 87) Benzo(b)fluoranthene | 22.39 | 252 | 3327243 | 44.057 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 22.43 | 252 | 3086608 | 42.643 | ng | # | 94 |
| 89) Benzo(a)pyrene | 22.90 | 252 | 3066564 | 44.875 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.02 | 278 | 2776037 | 43.821 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 25.61 | 276 | 2813505 | 45.228 | ng | # | 85 |

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

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