Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051021\
Data File : BP005465.D
Acq On : 10 May 2021 13:13
Operator : CG/JU
Sample : M2306-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
C-1MS

**Manual Integrations APPROVED**
mohammad
5/11/2021 2:31:46 PM

Quant Time: May 10 13:41:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 07 12:37:06 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.705 | 152 | 13673 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.499 | 136 | 44983 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.346 | 164 | 35234 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.104 | 188 | 91160 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.198 | 240 | 126003 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 23.504 | 264 | 146612 | 20.00 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.293 | 112 | 78653 | 110.40 | ng | | 0.00 |
| 7) Phenol-d6 | 6.899 | 99 | 87490 | 98.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.869 | 82 | 74147 | 64.88 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.845 | 330 | 109658 | 109.67 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 12.969 | 172 | 211308 | 67.65 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.675 | 244 | 539197 | 72.67 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.187 | 88 | 13354 | 49.05 | ng | | 95 |
| 3) Pyridine | 3.599 | 79 | 28315 | 44.88 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.511 | 42 | 23533 | 46.39 | ng | # | 9 |
| 6) Aniline | 7.040 | 93 | 36231 | 37.79 | ng | # | 84 |
| 8) 2-Chlorophenol | 7.275 | 128 | 32558 | 42.55 | ng | | 97 |
| 9) Benzaldehyde | 6.858 | 77 | 26463 | 60.25 | ng | # | 77 |
| 10) Phenol | 6.922 | 94 | 38632 | 43.48 | ng | # | 56 |
| 11) bis(2-Chloroethyl)ether | 7.140 | 93 | 24544 | 39.99 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.593 | 146 | 41490 | 40.75 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 7.740 | 146 | 42324 | 41.71 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.052 | 146 | 40827 | 41.98 | ng | | 95 |
| 15) Benzyl Alcohol | 7.958 | 79 | 34888 | 40.71 | ng | # | 81 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.234 | 45 | 11554 | 38.13 | ng | # | 67 |
| 17) 2-Methylphenol | 8.164 | 107 | 25307 | 41.47 | ng | # | 76 |
| 18) Hexachloroethane | 8.769 | 117 | 16866 | 40.12 | ng | # | 83 |
| 19) n-Nitroso-di-n-propyla... | 8.522 | 70 | 25676 | 39.47 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.499 | 107 | 33092 | 40.79 | ng | | 86 |
| 22) Acetophenone | 8.534 | 105 | 51138 | 40.30 | ng | # | 86 |
| 24) Nitrobenzene | 8.911 | 77 | 43892 | 38.28 | ng | | 94 |
| 25) Isophorone | 9.440 | 82 | 62438 | 35.28 | ng | # | 97 |
| 26) 2-Nitrophenol | 9.622 | 139 | 18875 | 39.32 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 9.693 | 122 | 27797 | 43.75 | ng | | 86 |
| 28) bis(2-Chloroethoxy)met... | 9.922 | 93 | 29822 | 40.25 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.158 | 162 | 40468 | 40.56 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.363 | 180 | 51655 | 40.53 | ng | | 98 |
| 31) Naphthalene | 10.546 | 128 | 92780 | 38.36 | ng | # | 97 |
| 32) Benzoic acid | 9.875 | 122 | 19677 | 40.09 | ng | # | 78 |
| 33) 4-Chloroaniline | 10.675 | 127 | 13059 | 13.86 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.822 | 225 | 45701 | 42.99 | ng | | 94 |
| 35) Caprolactam | 11.475 | 113 | 8016m | 34.92 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.816 | 107 | 34582 | 38.88 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.163 | 142 | 78168 | 40.29 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.381 | 142 | 70865 | 38.69 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.534 | 216 | 72709 | 44.91 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.504 | 237 | 83417 | 118.38 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.787 | 196 | 43529 | 43.04 | ng | | 99 |

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Quant Time: May 10 13:41:45 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.863 | 196 | 46759 | 42.84 | ng | | 93 |
| 46) 1,1'-Biphenyl | 13.181 | 154 | 112526 | 41.48 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.222 | 162 | 92895 | 41.13 | ng | | 98 |
| 48) 2-Nitroaniline | 13.446 | 65 | 25549 | 39.82 | ng | | 96 |
| 49) Acenaphthylene | 14.069 | 152 | 136133 | 41.83 | ng | | 98 |
| 50) Dimethylphthalate | 13.822 | 163 | 126108 | 41.46 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.946 | 165 | 25789 | 37.76 | ng | | 86 |
| 52) Acenaphthene | 14.416 | 154 | 81060 | 40.04 | ng | | 97 |
| 53) 3-Nitroaniline | 14.275 | 138 | 12696 | 25.94 | ng | | 85 |
| 54) 2,4-Dinitrophenol | 14.498 | 184 | 38889 | 94.39 | ng | | 90 |
| 55) Dibenzofuran | 14.751 | 168 | 152261 | 39.98 | ng | | 99 |
| 56) 4-Nitrophenol | 14.610 | 139 | 31524 | 85.34 | ng | # | 85 |
| 57) 2,4-Dinitrotoluene | 14.740 | 165 | 38102 | 37.84 | ng | # | 83 |
| 58) Fluorene | 15.404 | 166 | 126068 | 40.54 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.987 | 232 | 48214 | 44.18 | ng | | 99 |
| 60) Diethylphthalate | 15.187 | 149 | 119280 | 40.49 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.398 | 204 | 84714 | 43.54 | ng | | 96 |
| 62) 4-Nitroaniline | 15.445 | 138 | 16850 | 35.84 | ng | # | 82 |
| 63) Azobenzene | 15.693 | 77 | 118006 | 38.86 | ng | | 86 |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 198 | 27318 | 37.81 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.616 | 169 | 110702 | 41.61 | ng | # | 92 |
| 67) 4-Bromophenyl-phenylether | 16.293 | 248 | 61627 | 43.31 | ng | | 96 |
| 68) Hexachlorobenzene | 16.404 | 284 | 78867 | 43.70 | ng | | 97 |
| 69) Atrazine | 16.581 | 200 | 52618 | 42.34 | ng | | 97 |
| 70) Pentachlorophenol | 16.757 | 266 | 89543 | 93.52 | ng | | 93 |
| 71) Phenanthrene | 17.145 | 178 | 208541 | 40.26 | ng | | 98 |
| 72) Anthracene | 17.234 | 178 | 210816 | 41.01 | ng | | 99 |
| 73) Carbazole | 17.516 | 167 | 169481 | 37.44 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.069 | 149 | 196614 | 39.57 | ng | # | 96 |
| 75) Fluoranthene | 19.122 | 202 | 286257 | 40.18 | ng | | 97 |
| 77) Benzidine | 19.310 | 184 | 97627 | 50.06 | ng | | 99 |
| 78) Pyrene | 19.475 | 202 | 293306 | 41.12 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.351 | 149 | 90142 | 39.11 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.180 | 228 | 322479 | 39.50 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.122 | 252 | 114110 | 37.09 | ng | # | 96 |
| 83) Chrysene | 21.233 | 228 | 319211 | 40.34 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.110 | 149 | 134614 | 38.20 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 21.998 | 149 | 231981 | 39.19 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 25.916 | 276 | 561591 | 45.53 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 22.810 | 252 | 388660 | 39.78 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 22.851 | 252 | 385315 | 40.33 | ng | # | 95 |
| 90) Benzo(a)pyrene | 23.410 | 252 | 381360 | 42.59 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 25.927 | 278 | 489276 | 44.96 | ng | # | 98 |
| 92) Benzo(g,h,i)perylene | 26.651 | 276 | 457951 | 45.48 | ng | # | 94 |

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

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