Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021221\
Data File : BP004732.D
Acq On : 12 Feb 2021 16:24
Operator : CG/JU
Sample : M1396-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
FK-BPM-04-013-ABCDMSD

**Manual Integrations APPROVED**
mohammad
2/15/2021 11:26:37 AM

Quant Time: Feb 12 17:40:03 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 05 18:04:48 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.769 | 152 | 49366 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.563 | 136 | 203243 | 20.00 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 135066 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.175 | 188 | 292448 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.257 | 240 | 297998 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.568 | 264 | 289172 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 391690 | 122.51 | ng | | 0.00 |
| 7) Phenol-d6 | 6.940 | 99 | 525879 | 119.60 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.928 | 82 | 328133 | 70.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.916 | 330 | 213493 | 118.97 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.040 | 172 | 741844 | 67.13 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.739 | 244 | 1119017 | 63.08 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.281 | 88 | 49552 | 36.22 | ng | # | 89 |
| 3) Pyridine | 3.669 | 79 | 139997 | 40.41 | ng | # | 95 |
| 4) n-Nitrosodimethylamine | 3.587 | 42 | 69385 | 48.13 | ng | # | 61 |
| 6) Aniline | 7.099 | 93 | 170055 | 34.68 | ng | # | 85 |
| 8) 2-Chlorophenol | 7.334 | 128 | 167822 | 50.24 | ng | | 85 |
| 9) Benzaldehyde | 6.910 | 77 | 67602 | 36.61 | ng | # | 80 |
| 10) Phenol | 6.969 | 94 | 243292 | 57.16 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 7.199 | 93 | 149081 | 45.80 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.657 | 146 | 175736 | 43.23 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 7.805 | 146 | 178887 | 43.32 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 8.122 | 146 | 169828 | 42.88 | ng | | 96 |
| 15) Benzyl Alcohol | 8.010 | 79 | 164677 | 49.88 | ng | # | 85 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.304 | 45 | 120925 | 45.93 | ng | | 95 |
| 17) 2-Methylphenol | 8.210 | 107 | 150988 | 52.50 | ng | # | 89 |
| 18) Hexachloroethane | 8.846 | 117 | 67790 | 43.81 | ng | | 94 |
| 19) n-Nitroso-di-n-propyla... | 8.575 | 70 | 128561 | 48.39 | ng | # | 88 |
| 20) 3+4-Methylphenols | 8.540 | 107 | 203706 | 53.37 | ng | | 92 |
| 22) Acetophenone | 8.593 | 105 | 257607 | 43.61 | ng | # | 93 |
| 24) Nitrobenzene | 8.969 | 77 | 193842 | 42.04 | ng | # | 79 |
| 25) Isophorone | 9.493 | 82 | 352279 | 47.26 | ng | # | 91 |
| 26) 2-Nitrophenol | 9.681 | 139 | 92093 | 50.42 | ng | # | 66 |
| 27) 2,4-Dimethylphenol | 9.740 | 122 | 158950 | 55.95 | ng | | 89 |
| 28) bis(2-Chloroethoxy)met... | 9.981 | 93 | 201278 | 41.91 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 167766 | 48.88 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.428 | 180 | 170590 | 40.23 | ng | | 98 |
| 31) Naphthalene | 10.616 | 128 | 504078 | 42.49 | ng | | 100 |
| 32) Benzoic acid | 9.887 | 122 | 130435 | 53.33 | ng | # | 75 |
| 33) 4-Chloroaniline | 10.722 | 127 | 82324 | 16.91 | ng | # | 89 |
| 34) Hexachlorobutadiene | 10.898 | 225 | 110685 | 38.87 | ng | | 100 |
| 35) Caprolactam | 11.504 | 113 | 59666m | 55.01 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 204196 | 50.10 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 12.228 | 142 | 375520 | 44.50 | ng | # | 95 |
| 38) 1-Methylnaphthalene | 12.451 | 142 | 351003 | 43.95 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216 | 203625 | 41.96 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 12.581 | 237 | 256349 | 92.88 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.840 | 196 | 144520 | 47.27 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.910 | 196 | 155138 | 48.29 | ng | # | 93 |
| 46) 1,1'-Biphenyl | 13.251 | 154 | 485934 | 42.98 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.287 | 162 | 377130 | 40.69 | ng | | 96 |
| 48) 2-Nitroaniline | 13.492 | 65 | 127118 | 46.47 | ng | # | 61 |
| 49) Acenaphthylene | 14.139 | 152 | 605650 | 44.24 | ng | | 98 |
| 50) Dimethylphthalate | 13.881 | 163 | 547172 | 46.06 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.992 | 165 | 112558 | 47.01 | ng | # | 58 |
| 52) Acenaphthene | 14.481 | 154 | 367965 | 42.39 | ng | | 98 |
| 53) 3-Nitroaniline | 14.322 | 138 | 63371 | 25.45 | ng | # | 68 |
| 54) 2,4-Dinitrophenol | 14.528 | 184 | 139818 | 101.39 | ng | # | 72 |
| 55) Dibenzofuran | 14.822 | 168 | 591948 | 43.37 | ng | | 97 |
| 56) 4-Nitrophenol | 14.639 | 139 | 203813 | 104.33 | ng | # | 57 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 157999 | 48.17 | ng | # | 63 |
| 58) Fluorene | 15.469 | 166 | 494045 | 44.05 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 145432m | 47.58 | ng | | |
| 60) Diethylphthalate | 15.251 | 149 | 523663 | 43.98 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 261512 | 42.00 | ng | | 96 |
| 62) 4-Nitroaniline | 15.492 | 138 | 112952 | 41.53 | ng | # | 60 |
| 63) Azobenzene | 15.763 | 77 | 492330 | 44.02 | ng | | 86 |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198 | 98121 | 54.91 | ng | | 82 |
| 66) n-Nitrosodiphenylamine | 15.681 | 169 | 435770 | 45.82 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.363 | 248 | 158842 | 42.19 | ng | # | 91 |
| 68) Hexachlorobenzene | 16.475 | 284 | 174716 | 42.59 | ng | # | 90 |
| 69) Atrazine | 16.639 | 200 | 139895 | 44.84 | ng | | 100 |
| 70) Pentachlorophenol | 16.822 | 266 | 243519 | 106.07 | ng | | 99 |
| 71) Phenanthrene | 17.216 | 178 | 768583 | 42.92 | ng | | 100 |
| 72) Anthracene | 17.304 | 178 | 791703 | 45.98 | ng | | 98 |
| 73) Carbazole | 17.580 | 167 | 709893 | 44.94 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.139 | 149 | 879558 | 45.38 | ng | # | 98 |
| 75) Fluoranthene | 19.186 | 202 | 917401 | 43.00 | ng | | 100 |
| 77) Benzidine | 19.369 | 184 | 310282 | 53.53 | ng | | 98 |
| 78) Pyrene | 19.539 | 202 | 930580 | 44.28 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.416 | 149 | 394558 | 47.77 | ng | # | 79 |
| 81) Benzo(a)anthracene | 21.245 | 228 | 916967 | 43.39 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.180 | 252 | 214717 | 32.05 | ng | | 98 |
| 83) Chrysene | 21.298 | 228 | 884619 | 43.22 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.174 | 149 | 580341 | 46.55 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.068 | 149 | 984897 | 48.71 | ng | # | 93 |
| 87) Indeno(1,2,3-cd)pyrene | 25.951 | 276 | 1043195 | 45.18 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 22.868 | 252 | 933182 | 44.06 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 22.915 | 252 | 893821 | 43.96 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.468 | 252 | 831121 | 43.42 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 25.956 | 278 | 878109 | 45.59 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 26.674 | 276 | 842965 | 45.61 | ng | # | 95 |

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

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