Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011420\
Data File : BP001590.D
Acq On : 14 Jan 2020 16:35
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
1/16/2020 1:45:45 PM

Quant Time: Jan 14 21:54:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 25770 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.42 | 136 | 100002 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.29 | 164 | 76414 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.05 | 188 | 188137 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.16 | 240 | 179965 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.39 | 264 | 173274 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 107556 | 81.76 | ng | | 0.00 |
| 7) Phenol-d6 | 6.83 | 99 | 148886 | 70.81 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.79 | 82 | 179086 | 78.25 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.79 | 330 | 80817 | 69.48 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.90 | 172 | 410114 | 78.91 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.64 | 244 | 751585 | 76.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 21993 | 52.384 | ng | | 99 |
| 3) Pyridine | 3.61 | 79 | 64273 | 42.366 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.53 | 42 | 51385 | 47.789 | ng | | 96 |
| 6) Aniline | 6.98 | 93 | 95530 | 36.339 | ng | | 97 |
| 8) 2-Chlorophenol | 7.21 | 128 | 56685 | 36.908 | ng | | 96 |
| 9) Benzaldehyde | 6.79 | 77 | 42286 | 33.672 | ng | | 94 |
| 10) Phenol | 6.86 | 94 | 75762 | 34.835 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.08 | 93 | 64304 | 37.698 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.53 | 146 | 76111 | 39.424 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.68 | 146 | 75580 | 37.861 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.99 | 146 | 71643 | 37.137 | ng | | 98 |
| 15) Benzyl Alcohol | 7.88 | 79 | 63583 | 32.113 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 124800 | 39.384 | ng | | 96 |
| 17) 2-Methylphenol | 8.09 | 107 | 52488 | 34.759 | ng | | 99 |
| 18) Hexachloroethane | 8.71 | 117 | 31373 | 40.257 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.45 | 70 | 55201 | 34.438 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.42 | 107 | 71141 | 33.681 | ng | | 97 |
| 22) Acetophenone | 8.46 | 105 | 103693 | 36.990 | ng | # | 94 |
| 24) Nitrobenzene | 8.83 | 77 | 87207 | 37.667 | ng | | 95 |
| 25) Isophorone | 9.36 | 82 | 145417 | 35.434 | ng | | 99 |
| 26) 2-Nitrophenol | 9.53 | 139 | 31480 | 35.979 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.61 | 122 | 46031 | 35.215 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 9.85 | 93 | 87728 | 36.491 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.07 | 162 | 63690 | 35.597 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.28 | 180 | 83690 | 38.746 | ng | | 94 |
| 31) Naphthalene | 10.46 | 128 | 195067 | 36.960 | ng | | 99 |
| 32) Benzoic acid | 9.75 | 122 | 29231m | 27.117 | ng | | |
| 33) 4-Chloroaniline | 10.58 | 127 | 78610 | 32.349 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.76 | 225 | 60892 | 39.825 | ng | | 96 |
| 35) Caprolactam | 11.36 | 113 | 18026 | 27.744 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 11.72 | 107 | 69976 | 32.588 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.09 | 142 | 149102 | 35.448 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.31 | 142 | 141678 | 35.003 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 104122 | 39.778 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.45 | 237 | 56799 | 42.777 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.71 | 196 | 61272 | 36.294 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 12.78 | 196 | 65959 | 36.767 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.12 | 154 | 209288 | 38.221 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.15 | 162 | 175795 | 38.628 | ng | | 98 |
| 48) 2-Nitroaniline | 13.36 | 65 | 64472 | 36.059 | ng | | 97 |
| 49) Acenaphthylene | 14.00 | 152 | 262435 | 37.391 | ng | | 99 |
| 50) Dimethylphthalate | 13.76 | 163 | 220301 | 35.003 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.87 | 165 | 48275 | 36.170 | ng | | 98 |
| 52) Acenaphthene | 14.35 | 154 | 160649 | 36.958 | ng | | 99 |
| 53) 3-Nitroaniline | 14.20 | 138 | 45254 | 32.114 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.40 | 184 | 20722 | 27.613 | ng | # | 79 |
| 55) Dibenzofuran | 14.69 | 168 | 270427 | 36.789 | ng | | 97 |
| 56) 4-Nitrophenol | 14.52 | 139 | 32499 | 28.881 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.66 | 165 | 66776 | 34.194 | ng | # | 99 |
| 58) Fluorene | 15.35 | 166 | 220424 | 37.058 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.93 | 232 | 63097 | 34.061 | ng | | 99 |
| 60) Diethylphthalate | 15.14 | 149 | 226239 | 34.949 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.35 | 204 | 127061 | 37.325 | ng | | 98 |
| 62) 4-Nitroaniline | 15.37 | 138 | 49912 | 31.066 | ng | | 97 |
| 63) Azobenzene | 15.65 | 77 | 248996 | 38.496 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.43 | 198 | 34507 | 33.925 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.56 | 169 | 188753 | 37.870 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.25 | 248 | 81099 | 38.211 | ng | | 96 |
| 68) Hexachlorobenzene | 16.36 | 284 | 94827 | 38.455 | ng | | 96 |
| 69) Atrazine | 16.53 | 200 | 64657 | 35.322 | ng | | 97 |
| 70) Pentachlorophenol | 16.71 | 266 | 45835 | 33.657 | ng | | 97 |
| 71) Phenanthrene | 17.09 | 178 | 382414 | 37.376 | ng | | 99 |
| 72) Anthracene | 17.19 | 178 | 370139 | 37.161 | ng | | 100 |
| 73) Carbazole | 17.46 | 167 | 325672 | 34.827 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.05 | 149 | 402699 | 36.399 | ng | | 100 |
| 75) Fluoranthene | 19.07 | 202 | 478935 | 35.575 | ng | | 100 |
| 77) Benzidine | 19.26 | 184 | 144701 | 35.214 | ng | | 96 |
| 78) Pyrene | 19.43 | 202 | 493117 | 37.301 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.33 | 149 | 184830 | 36.786 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.14 | 228 | 457762 | 36.523 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.08 | 252 | 159225 | 33.878 | ng | | 97 |
| 83) Chrysene | 21.19 | 228 | 453213 | 37.105 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 262114 | 38.054 | ng | | 97 |
| 85) Di-n-octyl phthalate | 21.98 | 149 | 409139 | 37.253 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 436596 | 30.536 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 22.72 | 252 | 431291 | 39.500 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.77 | 252 | 433033 | 40.676 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.30 | 252 | 393853 | 37.990 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 25.67 | 278 | 364373 | 34.065 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 26.34 | 276 | 363511 | 34.185 | ng | | 98 |

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

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