Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
Data File : BF085979.D
Acq On : 1 Apr 2016 23:41
Operator : UM/SJ
Sample : H1824-03
Misc : LOD 1PPM
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Manual Integrations APPROVED
Sohil
4/4/2016 7:38:47 PM

Quant Time: Apr 02 01:26:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 106199 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.05 | 136 | 416393 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 187970 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 389206 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 343299 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.33 | 264 | 295413 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 745296 | 119.96 | ng | | 0.00 |
| 7) Phenol-d6 | 6.42 | 99 | 980583 | 124.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.34 | 82 | 598002 | 84.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 279945 | 158.67 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1057347 | 93.53 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.88 | 244 | 1088733 | 74.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.42 | 88 | 1318 | 0.45 | ng | # | 61 |
| 6) Aniline | 6.45 | 93 | 5438 | 0.53 | ng | # | 88 |
| 8) 2-Chlorophenol | 6.56 | 128 | 6080 | 0.82 | ng | | 88 |
| 9) Benzaldehyde | 6.37 | 77 | 3640 | 0.86 | ng | | 95 |
| 10) Phenol | 6.43 | 94 | 6730 | 0.75 | ng | # | 72 |
| 11) bis(2-Chloroethyl)ether | 6.52 | 93 | 5947 | 0.83 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 6062 | 0.77 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 6567 | 0.81 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.94 | 146 | 5961 | 0.80 | ng | | 98 |
| 15) Benzyl Alcohol | 6.92 | 79 | 8917 | 1.75 | ng | # | 48 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 6647 | 0.76 | ng | # | 42 |
| 17) 2-Methylphenol | 7.05 | 107 | 5016 | 0.86 | ng | # | 82 |
| 18) Hexachloroethane | 7.28 | 117 | 2022 | 0.68 | ng | # | 75 |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70 | 3599 | 0.74 | ng | # | 76 |
| 20) 3+4-Methylphenols | 7.24 | 107 | 5173 | 0.73 | ng | # | 67 |
| 22) Acetophenone | 7.21 | 105 | 7856 | 0.80 | ng | # | 89 |
| 24) Nitrobenzene | 7.36 | 77 | 8015 | 1.04 | ng | | 98 |
| 25) Isophorone | 7.61 | 82 | 10489m | 0.75 | ng | | |
| 26) 2-Nitrophenol | 7.71 | 139 | 1682 | 0.46 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 7.74 | 122 | 4216 | 0.64 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 6084 | 0.74 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 3338 | 0.59 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 4815 | 0.76 | ng | | 98 |
| 31) Naphthalene | 8.08 | 128 | 17499 | 0.84 | ng | | 99 |
| 33) 4-Chloroaniline | 8.18 | 127 | 4989m | 0.59 | ng | | |
| 34) Hexachlorobutadiene | 8.20 | 225 | 2267 | 0.67 | ng | | 96 |
| 35) Caprolactam | 8.50 | 113 | 546 | 0.31 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 8.65 | 107 | 3945 | 0.63 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 11221 | 0.82 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.94 | 216 | 4521 | 0.80 | ng | # | 93 |
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 1745 | 0.48 | ng | # | 82 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 2041m | 0.55 | ng | | |
| 45) 1,1'-Biphenyl | 9.24 | 154 | 14032 | 0.87 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.26 | 162 | 10286 | 0.88 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 47) 2-Nitroaniline | 9.39 | 65 | 2020 | 0.59 | ng | | 95 |
| 48) Acenaphthylene | 9.68 | 152 | 15755 | 0.84 | ng | | 98 |
| 49) Dimethylphthalate | 9.54 | 163 | 10929 | 0.78 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.61 | 165 | 1418 | 0.48 | ng | | 89 |
| 51) Acenaphthene | 9.84 | 154 | 10869 | 0.97 | ng | | 97 |
| 52) 3-Nitroaniline | 9.80 | 138 | 1603 | 0.45 | ng | # | 1 |
| 54) Dibenzofuran | 10.02 | 168 | 15132 | 1.02 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 1660 | 0.45 | ng | # | 33 |
| 57) Fluorene | 10.36 | 166 | 11333 | 0.90 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 1559 | 0.57 | ng | # | 90 |
| 59) Diethylphthalate | 10.24 | 149 | 11200 | 0.80 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204 | 5605 | 0.95 | ng | | 98 |
| 61) 4-Nitroaniline | 10.41 | 138 | 1046 | 0.30 | ng | # | 68 |
| 62) Azobenzene | 10.51 | 77 | 11394 | 0.85 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 10.48 | 169 | 9361 | 0.77 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.84 | 248 | 2804 | 0.71 | ng | | 90 |
| 67) Hexachlorobenzene | 10.91 | 284 | 3091 | 0.75 | ng | | 94 |
| 68) Atrazine | 11.00 | 200 | 2526 | 0.64 | ng | | 90 |
| 70) Phenanthrene | 11.32 | 178 | 18324 | 0.86 | ng | | 100 |
| 71) Anthracene | 11.38 | 178 | 17841 | 0.80 | ng | | 100 |
| 72) Carbazole | 11.54 | 167 | 14698 | 0.77 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.86 | 149 | 15669 | 0.66 | ng | | 96 |
| 74) Fluoranthene | 12.51 | 202 | 16309 | 0.74 | ng | | 91 |
| 77) Pyrene | 12.74 | 202 | 17557 | 0.73 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.35 | 149 | 5230 | 0.48 | ng | # | 74 |
| 80) Benzo(a)anthracene | 13.92 | 228 | 16934 | 0.84 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.89 | 252 | 2288 | 0.15 | ng | # | 90 |
| 82) Chrysene | 13.95 | 228 | 14680 | 0.75 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149 | 7295 | 0.50 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 10272 | 0.44 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.71 | 276 | 10324 | 0.65 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.95 | 252 | 13142 | 0.71 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 14.97 | 252 | 12776m | 0.78 | ng | | |
| 89) Benzo(a)pyrene | 15.28 | 252 | 11239 | 0.68 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.71 | 278 | 8473 | 0.64 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.12 | 276 | 8597 | 0.67 | ng | # | 92 |

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

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