Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000055.D
Acq On : 29 Dec 2014 12:20
Operator : TP
Sample : SSTD08005
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Jan 14 12:40:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:23:10 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 207608 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.64 | 136 | 901849 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.48 | 164 | 624184 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.23 | 188 | 1319333 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.42 | 240 | 1368661 | 20.00 | ng/ul | 0.01 |
| 83) Perylene-d12 | 23.72 | 264 | 1193424 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.33 | 96 | 115284 | 32.20 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.01 | 99 | 1496686 | 83.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.19 | 67 | 897970 | 81.67 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4 | 7.38 | 132 | 1096875 | 85.65 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8 | 8.56 | 113 | 1184109 | 83.34 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 9.01 | 128 | 550039 | 88.19 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.73 | 143 | 595287 | 93.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.26 | 165 | 1181944 | 83.70 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.78 | 131 | 1310648 | 82.15 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.90 | 166 | 3710446 | 80.60 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 14.19 | 160 | 4477610 | 81.19 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 14.69 | 143 | 652042 | 87.68 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.48 | 176 | 3134812 | 79.30 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 597527 | 91.32 | ng/ul | 0.01 |
| 70) Anthracene-d10 | 17.33 | 188 | 4825898 | 79.10 | ng/ul | 0.01 |
| 76) Pyrene-d10 | 19.63 | 212 | 5283178 | 83.68 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12 | 23.58 | 264 | 4575849 | 84.97 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 147363 | 29.69 | ng/uL | 93 |
| 4) Benzaldehyde | 7.00 | 77 | 810002 | 72.30 | ng/ul | 93 |
| 6) Phenol | 7.04 | 94 | 1546838 | 82.62 | ng/ul | 99 |
| 8) Bis(2-Chloroethyl)ether | 7.28 | 93 | 1156808 | 80.82 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.42 | 128 | 1136391 | 84.78 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.29 | 108 | 1210478 | 83.80 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39 | 45 | 1846734 | 80.08 | ng/ul | 98 |
| 14) Acetophenone | 8.68 | 105 | 1948462 | 80.36 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.68 | 70 | 1033867 | 81.43 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.63 | 108 | 1296842 | 82.99 | ng/ul | 100 |
| 17) Hexachloroethane | 8.93 | 117 | 515212 | 84.16 | ng/ul | 90 |
| 20) Nitrobenzene | 9.05 | 77 | 1576076 | 84.77 | ng/ul | 98 |
| 21) Isophorone | 9.58 | 82 | 2953938 | 82.41 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.76 | 139 | 635755 | 90.43 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.82 | 107 | 1586372 | 83.14 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 10.06 | 93 | 1605716 | 80.48 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.29 | 162 | 1172641 | 83.54 | ng/ul | 95 |
| 28) Naphthalene | 10.70 | 128 | 3670569 | 79.82 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.80 | 127 | 1348765 | 81.74 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.98 | 225 | 809994 | 81.39 | ng/ul | 97 |
| 32) Caprolactam | 11.59 | 113 | 399693m | 85.50 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.93 | 107 | 1466224 | 85.14 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.31 | 142 | 2679930 | 78.59 | ng/ul | 99 |

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Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000055.D
Acq On : 29 Dec 2014 12:20
Operator : TP
Sample : SSTD08005
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Jan 14 12:40:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:23:10 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.68 | 216 | 1402541 | 81.04 | ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.65 | 237 | 969341 | 84.78 | ng/ul | 98 |
| 38) 2,4,6-Trichlorophenol | 12.92 | 196 | 967078 | 87.60 | ng/ul | 100 |
| 39) 2,4,5-Trichlorophenol | 12.98 | 196 | 1030533 | 85.95 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.32 | 154 | 3579248 | 79.57 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.36 | 162 | 2782320 | 80.69 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.57 | 65 | 1047893 | 93.77 | ng/ul | 99 |
| 44) Dimethylphthalate | 13.95 | 163 | 3741090 | 81.59 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.07 | 165 | 763162 | 93.06 | ng/ul | 97 |
| 47) Acenaphthylene | 14.21 | 152 | 4635645 | 79.72 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.39 | 138 | 695083 | 82.77 | ng/ul | 99 |
| 49) Acenaphthene | 14.55 | 153 | 2977200 | 80.32 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.60 | 184 | 399565 | 95.95 | ng/ul | 97 |
| 52) 4-Nitrophenol | 14.70 | 109 | 857105 | 86.66 | ng/ul | 98 |
| 53) Dibenzofuran | 14.88 | 168 | 4240160 | 79.00 | ng/ul | 93 |
| 54) 2,4-Dinitrotoluene | 14.85 | 165 | 1114598 | 91.07 | ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.11 | 232 | 895567 | 86.61 | ng/ul | 97 |
| 56) Diethylphthalate | 15.32 | 149 | 3956798 | 82.11 | ng/ul | 99 |
| 58) Fluorene | 15.53 | 166 | 3458529 | 77.65 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.53 | 204 | 1724886 | 78.52 | ng/ul | 94 |
| 60) 4-Nitroaniline | 15.57 | 138 | 764962 | 80.59 | ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.61 | 198 | 605028 | 90.38 | ng/ul# | 90 |
| 64) N-Nitrosodiphenylamine | 15.74 | 169 | 3043846 | 79.55 | ng/ul | 100 |
| 65) 4-Bromophenyl-phenylether | 16.43 | 248 | 1081669 | 80.44 | ng/ul | 94 |
| 66) Hexachlorobenzene | 16.54 | 284 | 1232840 | 79.54 | ng/ul | 93 |
| 67) Atrazine | 16.70 | 200 | 1213956 | 80.44 | ng/ul | 99 |
| 68) Pentachlorophenol | 16.87 | 266 | 807889 | 85.69 | ng/ul | 97 |
| 69) Phenanthrene | 17.27 | 178 | 5594521 | 78.36 | ng/ul | 97 |
| 71) Anthracene | 17.36 | 178 | 5699093 | 77.61 | ng/ul | 99 |
| 72) Carbazole | 17.64 | 167 | 5282281 | 79.87 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.20 | 149 | 6506846 | 82.47 | ng/ul | 98 |
| 74) Fluoranthene | 19.28 | 202 | 6568615 | 80.23 | ng/ul | 97 |
| 77) Pyrene | 19.65 | 202 | 6704558 | 81.28 | ng/ul# | 94 |
| 78) Butylbenzylphthalate | 20.55 | 149 | 3161489 | 94.32 | ng/ul | 93 |
| 79) 3,3'-Dichlorobenzidine | 21.33 | 252 | 2018725 | 80.67 | ng/ul# | 99 |
| 80) Benzo(a)anthracene | 21.40 | 228 | 6458063 | 81.74 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.33 | 149 | 4471133 | 91.65 | ng/ul | 99 |
| 82) Chrysene | 21.45 | 228 | 5688437 | 78.12 | ng/ul | 97 |
| 84) Di-n-octyl phthalate | 22.23 | 149 | 7323058 | 89.23 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 23.03 | 252 | 6658655 | 87.43 | ng/ul | 100 |
| 86) Benzo(k)fluoranthene | 23.08 | 252 | 5125751 | 78.83 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.63 | 252 | 5461499 | 81.64 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 26.07 | 276 | 5471355 | 78.39 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 26.08 | 278 | 4624071 | 78.68 | ng/ul | 98 |
| 91) Benzo(g,h,i)perylene | 26.79 | 276 | 4484552 | 78.21 | ng/ul | 99 |

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

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Data Path : Z:\HPCHEM1\BNA_M\Data\BM122914\
Data File : BM000055.D
Acq On : 29 Dec 2014 12:20
Operator : TP
Sample : SSTD08005
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**

Quant Time: Jan 14 12:40:59 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-BM122914.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 14 12:23:10 2015
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