Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082416\
Data File : BM007281.D
Acq On : 24 Aug 2016 16:42
Operator : UM/SJ
Sample : MDL-06-W
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MDL-06-W

Quant Time: Aug 24 17:26:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 24 13:51:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 162734 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.59 | 136 | 831486 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.43 | 164 | 601113 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.17 | 188 | 1660536 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.36 | 240 | 2470075 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.63 | 264 | 2698957 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.31 | 96 | 10943 | 3.44 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.97 | 99 | 490938 | 31.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.13 | 67 | 290512 | 35.96 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 386263 | 34.00 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.50 | 113 | 441653 | 32.94 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 211862 | 34.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.67 | 143 | 251743 | 35.31 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.20 | 165 | 453454 | 31.95 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.72 | 131 | 645058 | 36.44 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.84 | 166 | 1902783 | 36.69 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 2120910 | 35.28 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.63 | 143 | 347401 | 35.49 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.43 | 176 | 1602130 | 35.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 356913 | 34.18 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.27 | 188 | 2735791 | 35.27 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.57 | 212 | 3496478 | 33.85 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.49 | 264 | 4351899 | 35.01 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.35 | 88 | 2794 | 0.79 | ng/uL | 88 |
| 4) Benzaldehyde | 6.95 | 77 | 33633 | 3.84 | ng/ul | 95 |
| 6) Phenol | 6.99 | 94 | 46188 | 2.90 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.23 | 93 | 35990 | 3.24 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.37 | 128 | 33267 | 2.86 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.23 | 108 | 34807 | 2.79 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.33 | 45 | 38442 | 3.08 | ng/ul | 97 |
| 14) Acetophenone | 8.62 | 105 | 64945 | 3.16 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.60 | 70 | 31639 | 2.90 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.56 | 108 | 41130 | 2.94 | ng/ul | 99 |
| 17) Hexachloroethane | 8.87 | 117 | 14459 | 3.20 | ng/ul | 83 |
| 20) Nitrobenzene | 9.00 | 77 | 48984 | 3.12 | ng/ul | 96 |
| 21) Isophorone | 9.52 | 82 | 93862 | 2.94 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.70 | 139 | 23250 | 3.00 | ng/ul# | 92 |
| 24) 2,4-Dimethylphenol | 9.76 | 107 | 50012 | 2.93 | ng/ul | 100 |
| 25) Bis(2-Chloroethoxy)methane | 10.00 | 93 | 52625 | 2.92 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.23 | 162 | 40098 | 2.84 | ng/ul | 94 |
| 28) Naphthalene | 10.63 | 128 | 125039 | 3.02 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.75 | 127 | 56230 | 3.09 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 10.92 | 225 | 29879 | 3.14 | ng/ul | 91 |
| 32) Caprolactam | 11.54 | 113 | 14687 | 2.59 | ng/ul | 90 |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 47193 | 2.70 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.24 | 142 | 101421 | 3.00 | ng/ul | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082416\
Data File : BM007281.D
Acq On : 24 Aug 2016 16:42
Operator : UM/SJ
Sample : MDL-06-W
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MDL-06-W

Quant Time: Aug 24 17:26:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 24 13:51:40 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.62 | 216 | 62881 | 3.14 | ng/ul | 95 |
| 37) Hexachlorocyclopentadiene | 12.60 | 237 | 27264 | 2.26 | ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.86 | 196 | 37897 | 2.68 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.86 | 196 | 37897 | 2.57 | ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.26 | 154 | 142684 | 3.06 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.30 | 162 | 111361 | 3.05 | ng/ul | 96 |
| 42) 2-Nitroaniline | 13.51 | 65 | 32134 | 2.69 | ng/ul | 98 |
| 44) Dimethylphthalate | 13.89 | 163 | 167536 | 3.24 | ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 14.01 | 165 | 28916 | 2.74 | ng/ul# | 88 |
| 47) Acenaphthylene | 14.15 | 152 | 191045 | 3.09 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.34 | 138 | 29968 | 2.78 | ng/ul# | 91 |
| 49) Acenaphthene | 14.50 | 153 | 123598 | 3.07 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.55 | 184 | 13328 | 1.86 | ng/ul | 92 |
| 52) 4-Nitrophenol | 14.64 | 109 | 34363 | 3.30 | ng/ul | 94 |
| 53) Dibenzofuran | 14.83 | 168 | 189679 | 3.15 | ng/ul | 92 |
| 54) 2,4-Dinitrotoluene | 14.80 | 165 | 48562 | 3.00 | ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.06 | 232 | 42797 | 2.83 | ng/ul# | 95 |
| 56) Diethylphthalate | 15.26 | 149 | 168034 | 3.12 | ng/ul | 99 |
| 58) Fluorene | 15.48 | 166 | 159716 | 3.22 | ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204 | 85623 | 3.30 | ng/ul | 99 |
| 60) 4-Nitroaniline | 15.50 | 138 | 36960 | 3.02 | ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 33564 | 3.01 | ng/ul# | 50 |
| 64) N-Nitrosodiphenylamine | 15.69 | 169 | 143206 | 3.09 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.37 | 248 | 55610 | 2.97 | ng/ul | 95 |
| 66) Hexachlorobenzene | 16.48 | 284 | 66294 | 3.16 | ng/ul | 94 |
| 67) Atrazine | 16.64 | 200 | 58063 | 2.97 | ng/ul | 98 |
| 68) Pentachlorophenol | 16.83 | 266 | 31980 | 2.36 | ng/ul | 94 |
| 69) Phenanthrene | 17.22 | 178 | 277141 | 3.11 | ng/ul | 99 |
| 71) Anthracene | 17.31 | 178 | 284121 | 3.09 | ng/ul | 99 |
| 72) Carbazole | 17.58 | 167 | 250673 | 3.13 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.14 | 149 | 288577 | 2.87 | ng/ul | 98 |
| 74) Fluoranthene | 19.23 | 202 | 375170 | 3.35 | ng/ul | 97 |
| 77) Pyrene | 19.60 | 202 | 408791 | 3.08 | ng/ul | 96 |
| 78) Butylbenzylphthalate | 20.49 | 149 | 136034 | 2.47 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.27 | 252 | 144778 | 2.95 | ng/ul | 100 |
| 80) Benzo(a)anthracene | 21.34 | 228 | 458737 | 3.15 | ng/ul | 97 |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 207318 | 2.59 | ng/ul | 99 |
| 82) Chrysene | 21.39 | 228 | 412705 | 3.13 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.16 | 149 | 371849 | 2.77 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.94 | 252 | 507045 | 3.18 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.99 | 252 | 460433 | 3.12 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.53 | 252 | 483366 | 3.17 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.91 | 276 | 592093 | 3.16 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.93 | 278 | 502052 | 3.22 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 26.62 | 276 | 499953 | 3.14 | ng/ul | 96 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082416\
Data File : BM007281.D
Acq On : 24 Aug 2016 16:42
Operator : UM/SJ
Sample : MDL-06-W
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-06-W

Quant Time: Aug 24 17:26:09 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 24 13:51:40 2016
Response via : Initial Calibration