Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072717\
Data File : BG028035.D
Acq On : 27 Jul 2017 20:29
Operator : SJ/JU
Sample : SSTDICV020
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 27 21:02:49 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 27 20:38:10 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SICV77

**Manual Integrations APPROVED**
Sohil
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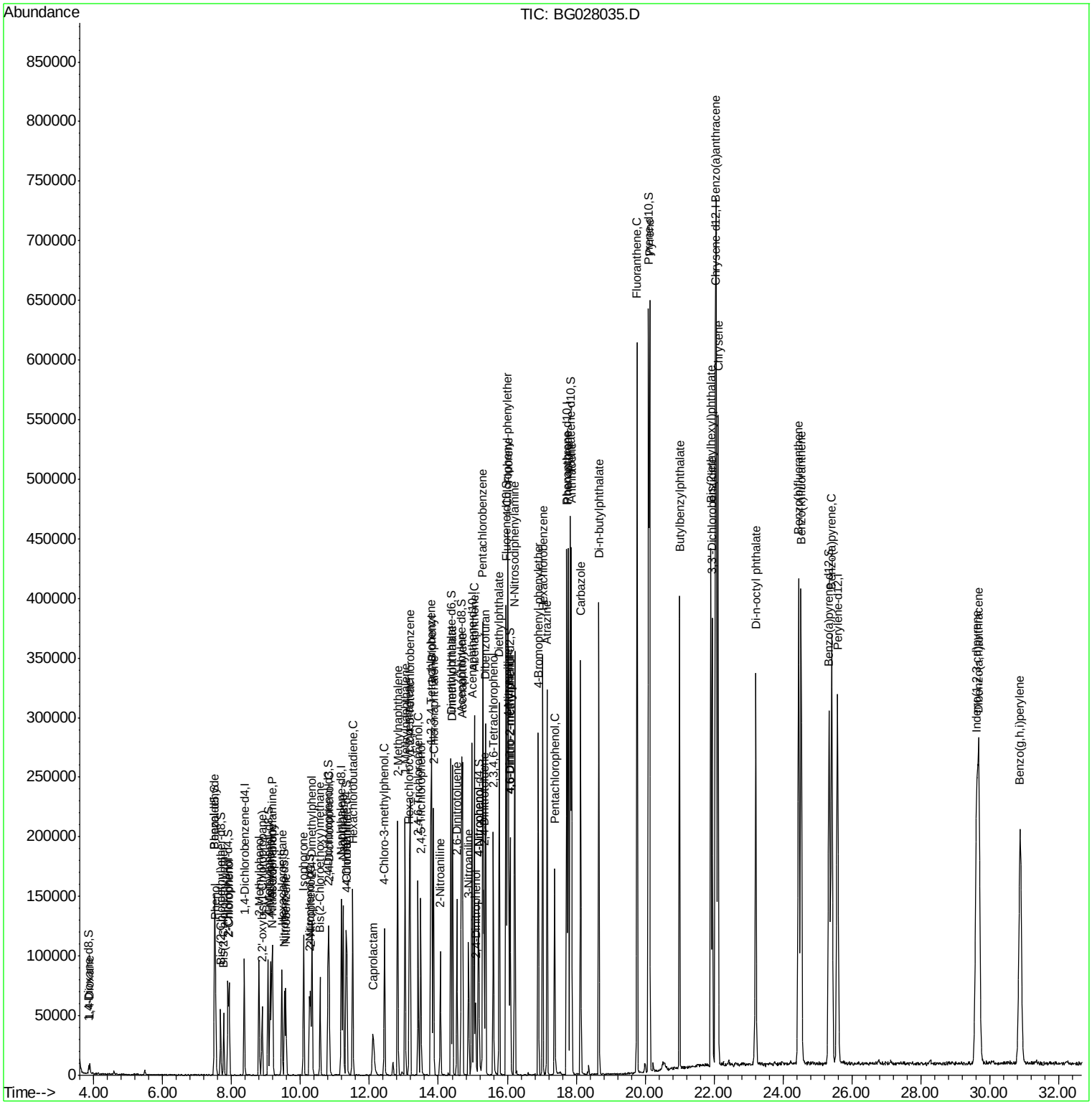

Quantitation Report (QT Reviewed)

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.37 | 152 | 32949 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.19 | 136 | 139800 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.98 | 164 | 108896 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.73 | 188 | 310008 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 22.06 | 240 | 429705 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.58 | 264 | 425873 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.85 | 96 | 3874 | 7.62 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.51 | 99 | 45641 | 18.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.68 | 67 | 24882 | 19.99 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.90 | 132 | 40932 | 19.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.06 | 113 | 42011 | 18.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.54 | 128 | 20522 | 21.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.26 | 143 | 25971 | 20.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.80 | 165 | 52037 | 21.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.32 | 131 | 58510 | 23.68 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.37 | 166 | 202520 | 20.55 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.67 | 160 | 216154 | 20.27 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 15.16 | 143 | 29352 | 19.83 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.96 | 176 | 181939 | 20.04 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 43298 | 19.61 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.83 | 188 | 308693 | 20.79 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 20.10 | 212 | 383688 | 20.10 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 25.33 | 264 | 407109 | 20.78 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.89 | 88 | 4645 | 8.522 | ng/uL# | 81 |
| 4) Benzaldehyde | 7.51 | 77 | 28012 | 22.745 | ng/ul# | 81 |
| 6) Phenol | 7.54 | 94 | 44213 | 18.317 | ng/ul# | 92 |
| 8) Bis(2-Chloroethyl)ether | 7.77 | 93 | 32589 | 19.074 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.93 | 128 | 38080 | 19.703 | ng/ul# | 87 |
| 11) 2-Methylphenol | 8.80 | 108 | 34590 | 18.380 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.89 | 45 | 41184 | 18.362 | ng/ul | 97 |
| 14) Acetophenone | 9.19 | 105 | 60552 | 18.760 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 9.16 | 70 | 29683 | 19.590 | ng/ul | 94 |
| 16) 4-Methylphenol | 9.12 | 108 | 39700 | 19.013 | ng/ul | 93 |
| 17) Hexachloroethane | 9.45 | 117 | 15461 | 19.996 | ng/ul# | 85 |
| 20) Nitrobenzene | 9.58 | 77 | 43694 | 20.823 | ng/ul | 91 |
| 21) Isophorone | 10.09 | 82 | 84611 | 21.101 | ng/ul# | 93 |
| 23) 2-Nitrophenol | 10.29 | 139 | 25696 | 21.428 | ng/ul# | 89 |
| 24) 2,4-Dimethylphenol | 10.33 | 107 | 47850 | 19.949 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93 | 49342 | 21.183 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.83 | 162 | 48957 | 20.975 | ng/ul | 95 |
| 28) Naphthalene | 11.24 | 128 | 129792 | 20.569 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.35 | 127 | 54277 | 23.085 | ng/ul | 93 |
| 31) Hexachlorobutadiene | 11.52 | 225 | 41444 | 20.523 | ng/ul | 92 |
| 32) Caprolactam | 12.10 | 113 | 16693m | 22.283 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 12.44 | 107 | 46949 | 20.644 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 12.82 | 142 | 111240 | 20.428 | ng/ul | 91 |

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**Instrument :**
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Sohil
7/28/2017 4:45:50 PM

Quant Time: Jul 27 21:02:49 2017
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Quant Title : SVOA CALIBRATION
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 13.04 | 142 | 109503 | 20.738 | ng/ul | 98 |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 83247 | 19.843 | ng/ul# | 99 |
| 38) Hexachlorocyclopentadiene | 13.15 | 237 | 44714 | 18.178 | ng/ul# | 97 |
| 39) 2,4,6-Trichlorophenol | 13.41 | 196 | 50568 | 20.195 | ng/ul | 97 |
| 40) 2,4,5-Trichlorophenol | 13.49 | 196 | 51205 | 19.248 | ng/ul | 87 |
| 41) 1,1'-Biphenyl | 13.81 | 154 | 159496 | 20.151 | ng/ul# | 99 |
| 42) 2-Chloronaphthalene | 13.86 | 162 | 129037 | 20.214 | ng/ul | 97 |
| 43) 2-Nitroaniline | 14.06 | 65 | 30251 | 20.107 | ng/ul | 91 |
| 45) Dimethylphthalate | 14.41 | 163 | 184362 | 20.420 | ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 14.54 | 165 | 37798 | 20.855 | ng/ul | 90 |
| 48) Acenaphthylene | 14.70 | 152 | 208279 | 20.613 | ng/ul | 99 |
| 49) 3-Nitroaniline | 14.88 | 138 | 33571 | 22.288 | ng/ul | 84 |
| 50) Acenaphthene | 15.04 | 153 | 135298 | 19.554 | ng/ul | 96 |
| 51) 2,4-Dinitrophenol | 15.08 | 184 | 20499 | 17.719 | ng/ul | 94 |
| 53) 4-Nitrophenol | 15.17 | 109 | 24622 | 20.449 | ng/ul | 94 |
| 54) Dibenzofuran | 15.37 | 168 | 214382 | 20.379 | ng/ul | 93 |
| 55) 2,4-Dinitrotoluene | 15.33 | 165 | 57065 | 21.082 | ng/ul | 98 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.59 | 232 | 57303 | 20.227 | ng/ul# | 96 |
| 57) Diethylphthalate | 15.77 | 149 | 189469 | 19.989 | ng/ul | 97 |
| 59) Fluorene | 16.02 | 166 | 188528 | 20.656 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.00 | 204 | 109934 | 20.165 | ng/ul | 99 |
| 61) 4-Nitroaniline | 16.04 | 138 | 38347 | 21.435 | ng/ul | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 16.09 | 198 | 40804 | 19.292 | ng/ul# | 88 |
| 65) N-Nitrosodiphenylamine | 16.22 | 169 | 159814 | 20.422 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.90 | 248 | 81809 | 20.523 | ng/ul | 94 |
| 67) Hexachlorobenzene | 17.03 | 284 | 92175 | 20.333 | ng/ul | 96 |
| 68) Atrazine | 17.16 | 200 | 76826 | 20.577 | ng/ul | 96 |
| 69) Pentachlorophenol | 17.37 | 266 | 43227 | 18.264 | ng/ul | 97 |
| 70) Phenanthrene | 17.77 | 178 | 317251 | 20.584 | ng/ul | 98 |
| 72) Anthracene | 17.86 | 178 | 331769 | 20.673 | ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.78 | 216 | 85767 | 19.836 | ng/uL | 96 |
| 74) Pentachlorobenzene | 15.29 | 250 | 127638 | 19.864 | ng/uL | 96 |
| 75) Carbazole | 18.13 | 167 | 277236 | 21.096 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.65 | 149 | 314565 | 21.558 | ng/ul | 99 |
| 77) Fluoranthene | 19.76 | 202 | 436022 | 22.135 | ng/ul# | 94 |
| 80) Pyrene | 20.13 | 202 | 456541 | 20.469 | ng/ul# | 93 |
| 81) Butylbenzylphthalate | 21.00 | 149 | 137433 | 20.736 | ng/ul# | 86 |
| 82) 3,3'-Dichlorobenzidine | 21.94 | 252 | 174955 | 22.255 | ng/ul# | 96 |
| 83) Benzo(a)anthracene | 22.04 | 228 | 478571 | 20.967 | ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.90 | 149 | 197884 | 20.409 | ng/ul# | 96 |
| 85) Chrysene | 22.11 | 228 | 426753 | 20.439 | ng/ul | 100 |
| 87) Di-n-octyl phthalate | 23.21 | 149 | 337341 | 20.097 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 24.45 | 252 | 484432 | 20.432 | ng/ul | 97 |
| 89) Benzo(k)fluoranthene | 24.52 | 252 | 484487 | 20.961 | ng/ul# | 97 |
| 91) Benzo(a)pyrene | 25.41 | 252 | 475907 | 20.861 | ng/ul# | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 29.62 | 276 | 576182 | 20.812 | ng/ul# | 95 |
| 93) Dibenzo(a,h)anthracene | 29.69 | 278 | 487684 | 20.537 | ng/ul# | 97 |
| 94) Benzo(g,h,i)perylene | 30.88 | 276 | 470520 | 20.500 | ng/ul# | 95 |

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|---|---|---|---|---|---|---|

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