Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080915\
Data File : BG018337.D
Acq On : 9 Aug 2015 20:24
Operator : UM/TP
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 07:49:29 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:38:18 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02085

**Manual Integrations APPROVED**
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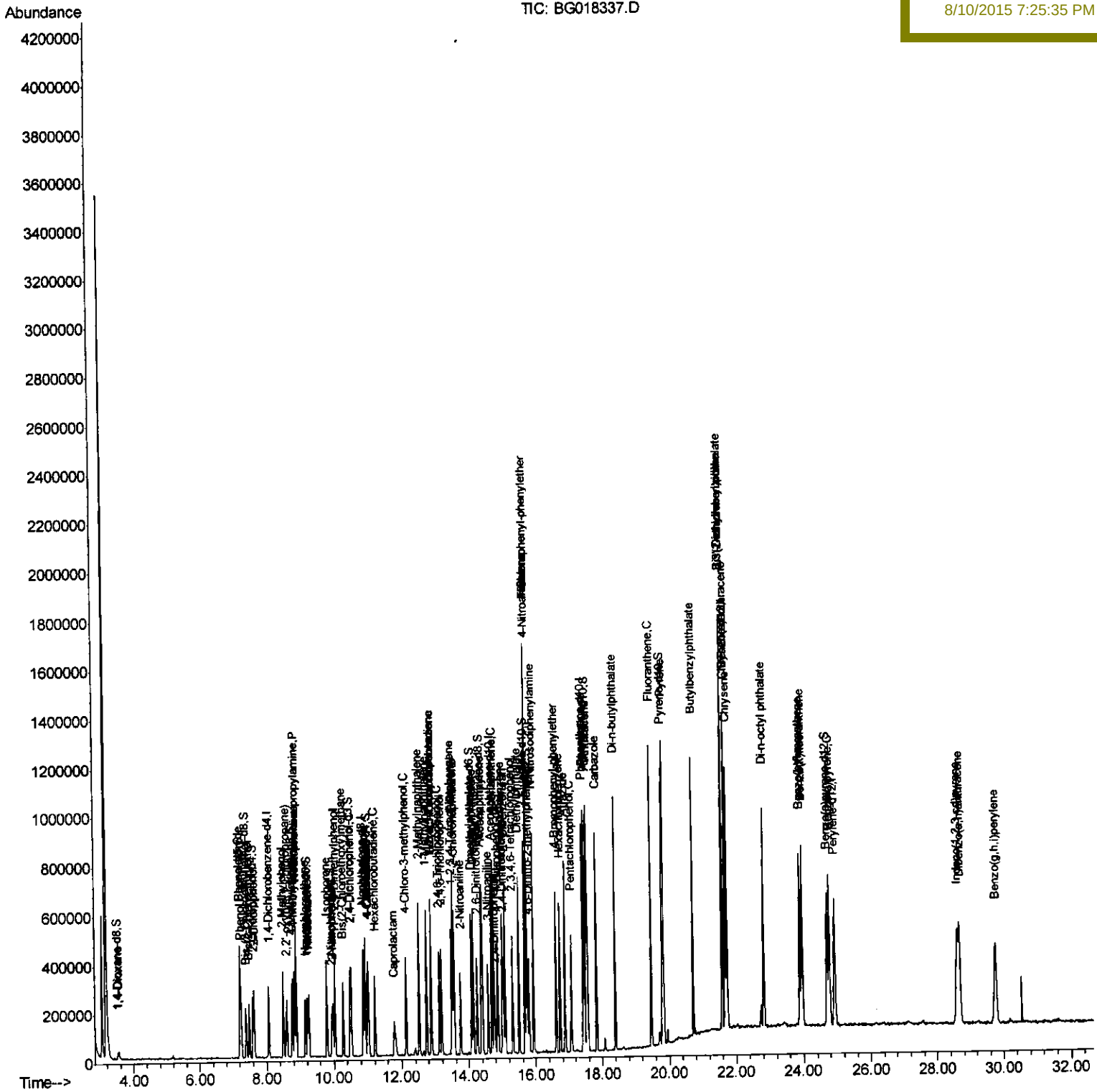
TIC: BG018337.D



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Data File : BG018337.D
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Sample : SSTDCCC020
Misc :
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Quant Time: Aug 10 07:40:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:38:18 2015
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**Instrument :**
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**LabSampleId :**
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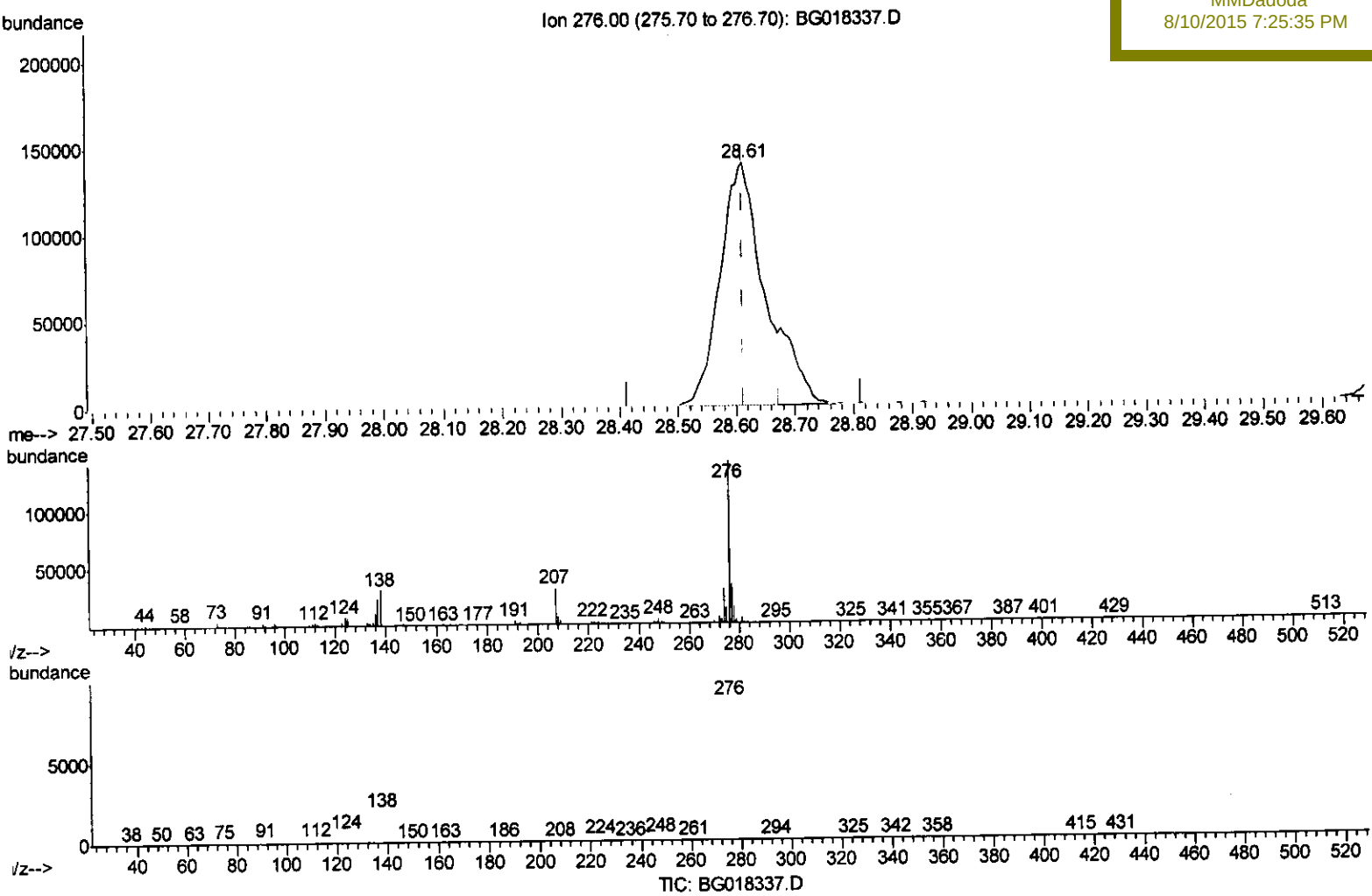

TIC: BG018337.D

(92) Indeno(1,2,3-cd)pyrene

28.613min (+0.000) 17.80ng/ul

response 661470

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.70 | 21.85 |
| 277.00 | 23.60 | 24.06 |
| 0.00 | 0.00 | 0.00 |

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BNA_G
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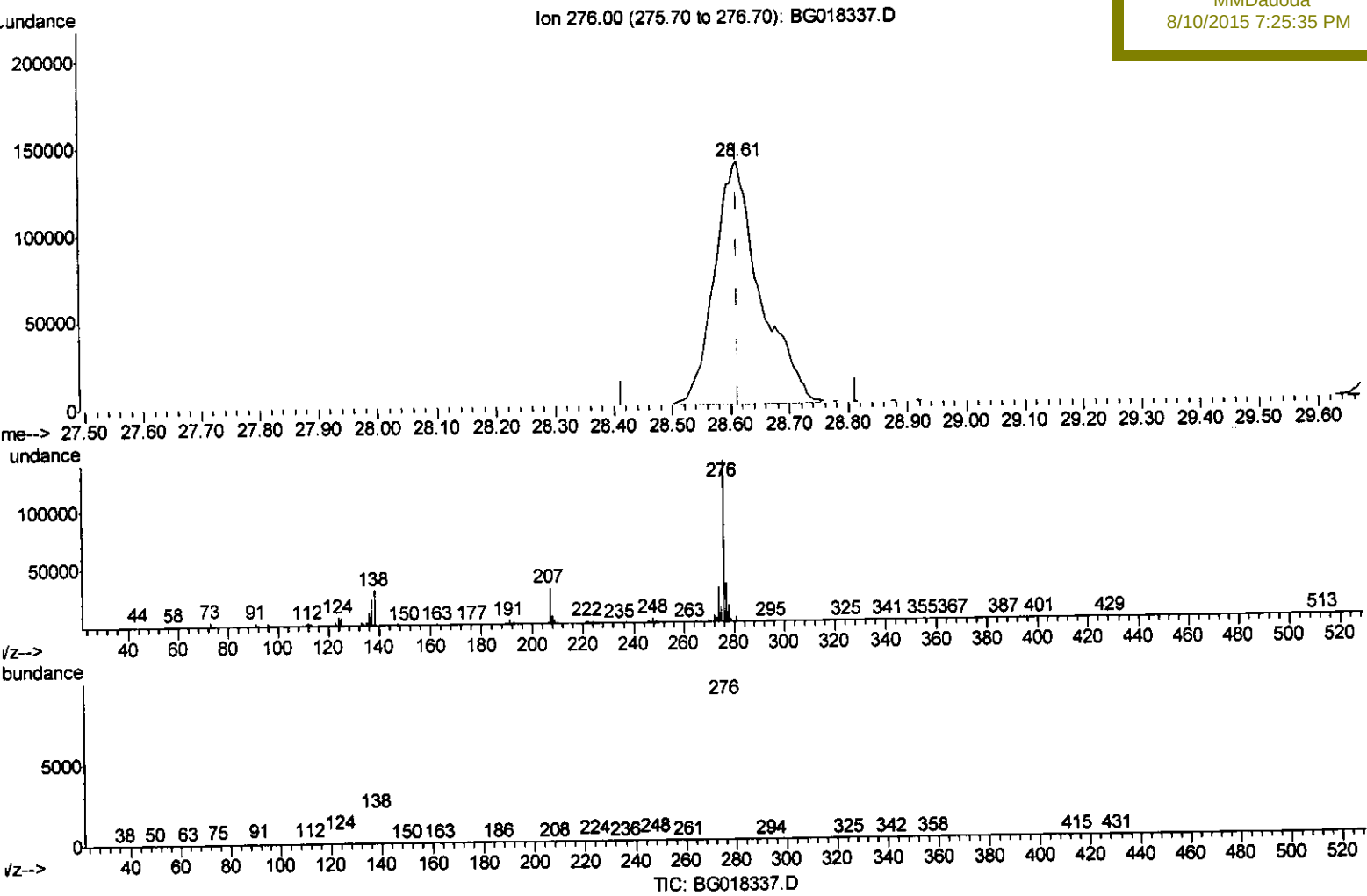


(92) Indeno(1,2,3-cd)pyrene

28.613min (+0.000) 20.26ng/ul m

response 753032

U.M 08/11/15

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 19.70 | 21.85 |
| 277.00 | 23.60 | 24.06 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** BNA_G
**LabSampleId :** SSTD02085

**Manual Integrations APPROVED**
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8/10/2015 7:25:35 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 82121 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.87 | 136 | 371143 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.68 | 164 | 224016 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.43 | 188 | 539761 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.69 | 240 | 526073 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.92 | 264 | 537717 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.52 | 96 | 14451 | 7.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.21 | 99 | 153376 | 20.58 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.39 | 67 | 95937 | 20.77 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.60 | 132 | 117141 | 20.52 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.76 | 113 | 129534 | 20.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.22 | 128 | 59016 | 20.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.95 | 143 | 58761 | 19.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.49 | 165 | 128830 | 20.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.00 | 131 | 167053 | 23.64 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.09 | 166 | 386846 | 20.52 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.38 | 160 | 491034 | 20.69 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.86 | 143 | 70587 | 20.82 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.67 | 176 | 336681 | 20.51 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.78 | 200 | 51680 | 19.47 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.53 | 188 | 535613 | 20.75 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.81 | 212 | 571325 | 20.93 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.71 | 264 | 579346 | 20.29 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.56 | 88 | 15912 | 8.00 | ng/uL | 90 |
| 4) Benzaldehyde | 7.20 | 77 | 102923 | 23.54 | ng/ul | 97 |
| 6) Phenol | 7.24 | 94 | 157664 | 20.74 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.48 | 93 | 124278 | 21.25 | ng/ul | 97 |
| 10) 2-Chlorophenol | 7.63 | 128 | 120179 | 20.66 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.50 | 108 | 123693 | 20.98 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 195539 | 20.83 | ng/ul | 98 |
| 14) Acetophenone | 8.89 | 105 | 192242 | 21.25 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.87 | 70 | 108810 | 20.96 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.82 | 108 | 134539 | 20.91 | ng/ul | 89 |
| 17) Hexachloroethane | 9.16 | 117 | 49920 | 19.91 | ng/ul | 97 |
| 20) Nitrobenzene | 9.26 | 77 | 150706 | 20.64 | ng/ul | 94 |
| 21) Isophorone | 9.79 | 82 | 287500 | 20.47 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.98 | 139 | 66385 | 20.29 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 10.03 | 107 | 151188 | 20.62 | ng/ul | 92 |
| 25) Bis(2-Chloroethoxy)methane | 10.28 | 93 | 178215 | 20.36 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.51 | 162 | 120693 | 20.60 | ng/ul | 97 |
| 28) Naphthalene | 10.92 | 128 | 401531 | 20.47 | ng/ul | 98 |
| 30) 4-Chloroaniline | 11.02 | 127 | 172312 | 23.97 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 11.22 | 225 | 77170 | 20.86 | ng/ul | 95 |
| 32) Caprolactam | 11.79 | 113 | 47811 | 20.26 | ng/ul | 85 |
| 33) 4-Chloro-3-methylphenol | 12.13 | 107 | 140237 | 20.66 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.52 | 142 | 283744 | 19.97 | ng/ul | 97 |

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Manual Integrations APPROVED
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:38:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.74 | 142 | 279177 | 20.13 ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 144006 | 20.05 ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.87 | 237 | 85346 | 19.96 ng/ul | 89 |
| 39) 2,4,6-Trichlorophenol | 13.12 | 196 | 100685 | 20.58 ng/ul | 95 |
| 40) 2,4,5-Trichlorophenol | 13.18 | 196 | 111359 | 21.17 ng/ul | 97 |
| 41) 1,1'-Biphenyl | 13.52 | 154 | 390260 | 20.87 ng/ul | 96 |
| 42) 2-Chloronaphthalene | 13.57 | 162 | 296500 | 20.42 ng/ul | 96 |
| 43) 2-Nitroaniline | 13.75 | 65 | 97319 | 20.76 ng/ul | 97 |
| 45) Dimethylphthalate | 14.14 | 163 | 388630 | 20.90 ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 14.25 | 165 | 79202 | 21.39 ng/ul | 98 |
| 48) Acenaphthylene | 14.41 | 152 | 486430 | 20.43 ng/ul | 98 |
| 49) 3-Nitroaniline | 14.58 | 138 | 86006 | 22.77 ng/ul | 94 |
| 50) Acenaphthene | 14.75 | 153 | 344357 | 20.62 ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.78 | 184 | 32458 | 17.98 ng/ul | 92 |
| 53) 4-Nitrophenol | 14.87 | 109 | 61744 | 20.95 ng/ul | 92 |
| 54) Dibenzofuran | 15.08 | 168 | 450009 | 20.62 ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 15.03 | 165 | 113538 | 21.49 ng/ul | 97 |
| 56) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 93538 | 20.41 ng/ul# | 96 |
| 57) Diethylphthalate | 15.50 | 149 | 409676 | 20.74 ng/ul | 98 |
| 59) Fluorene | 15.73 | 166 | 386431 | 20.59 ng/ul | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.73 | 204 | 180443 | 20.31 ng/ul | 98 |
| 61) 4-Nitroaniline | 15.74 | 138 | 89083 | 21.35 ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 54600 | 19.28 ng/ul# | 95 |
| 65) N-Nitrosodiphenylamine | 15.93 | 169 | 330445 | 20.35 ng/ul | 96 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 118873 | 20.37 ng/ul | 98 |
| 67) Hexachlorobenzene | 16.73 | 284 | 126379 | 20.47 ng/ul | 98 |
| 68) Atrazine | 16.88 | 200 | 132984 | 21.88 ng/ul | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 85245 | 20.62 ng/ul | 99 |
| 70) Phenanthrene | 17.47 | 178 | 600023 | 20.49 ng/ul | 99 |
| 72) Anthracene | 17.56 | 178 | 619190 | 20.75 ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.49 | 216 | 153513 | 20.56 ng/uL | 96 |
| 74) Pentachlorobenzene | 15.01 | 250 | 144102 | 20.21 ng/uL | 90 |
| 75) Carbazole | 17.83 | 167 | 586380 | 22.41 ng/ul | 98 |
| 76) Di-n-butylphthalate | 18.39 | 149 | 718423 | 21.02 ng/ul | 99 |
| 77) Fluoranthene | 19.47 | 202 | 718376 | 22.97 ng/ul | 99 |
| 80) Pyrene | 19.83 | 202 | 737195 | 20.72 ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.72 | 149 | 314781 | 20.92 ng/ul | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 249707 | 22.86 ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.67 | 228 | 679118 | 20.82 ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 453048 | 21.31 ng/ul | 99 |
| 85) Chrysene | 21.74 | 228 | 636604 | 20.87 ng/ul | 98 |
| 87) Di-n-octyl phthalate | 22.82 | 149 | 760173 | 21.91 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 678799 | 20.09 ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.97 | 252 | 680890 | 20.93 ng/ul | 97 |
| 91) Benzo(a)pyrene | 24.77 | 252 | 661264 | 20.59 ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 28.61 | 276 | 753032m | 20.26 ng/ul | |
| 93) Dibenzo(a,h)anthracene | 28.68 | 278 | 631529 | 20.45 ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 29.76 | 276 | 623193 | 19.97 ng/ul | 97 |

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8/10/2015 7:25:35 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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