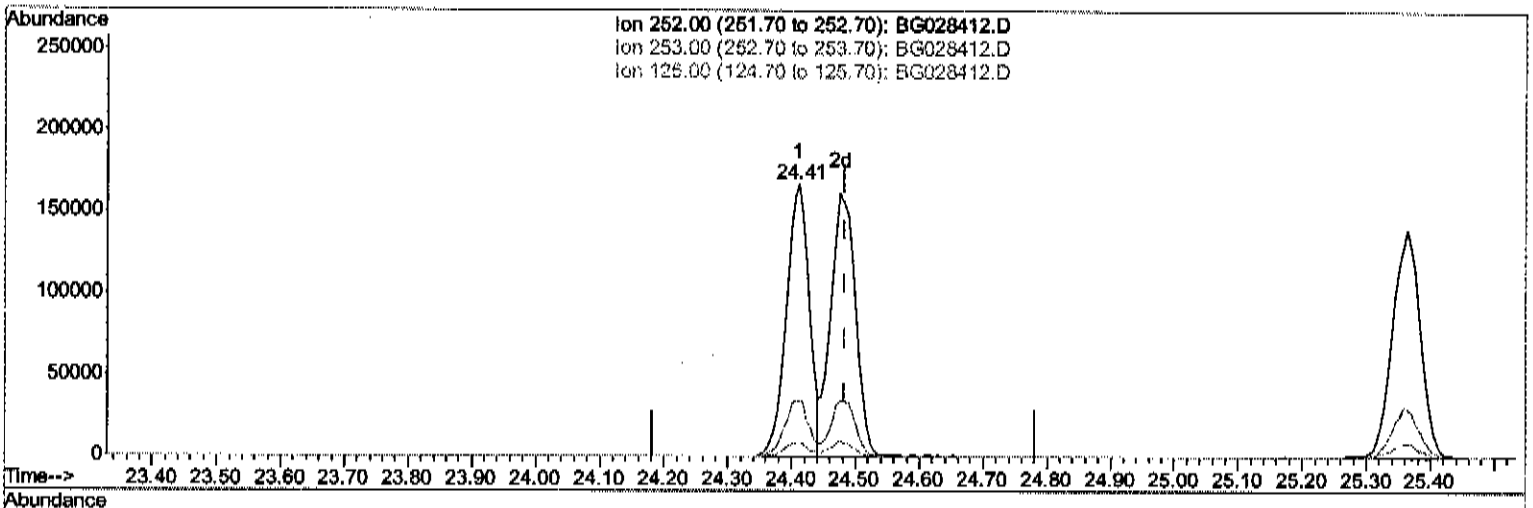
Quantitation Report (Qedit)

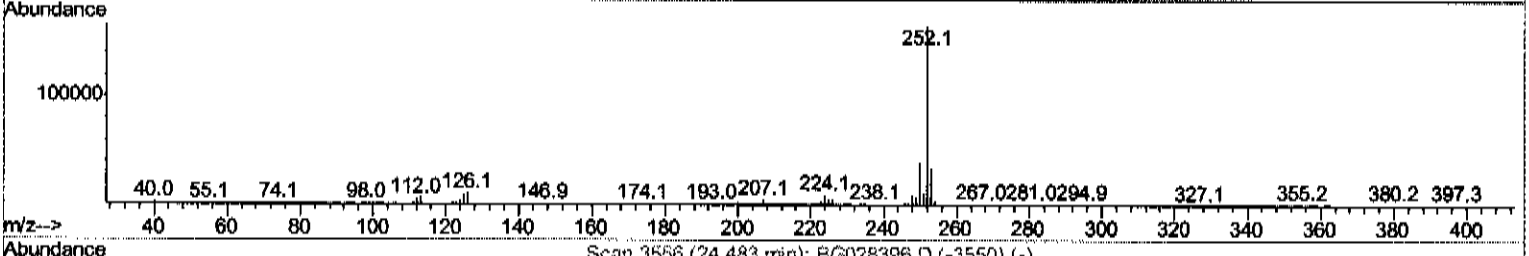
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028412.D
Acq On : 22 Aug 2017 10:37
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

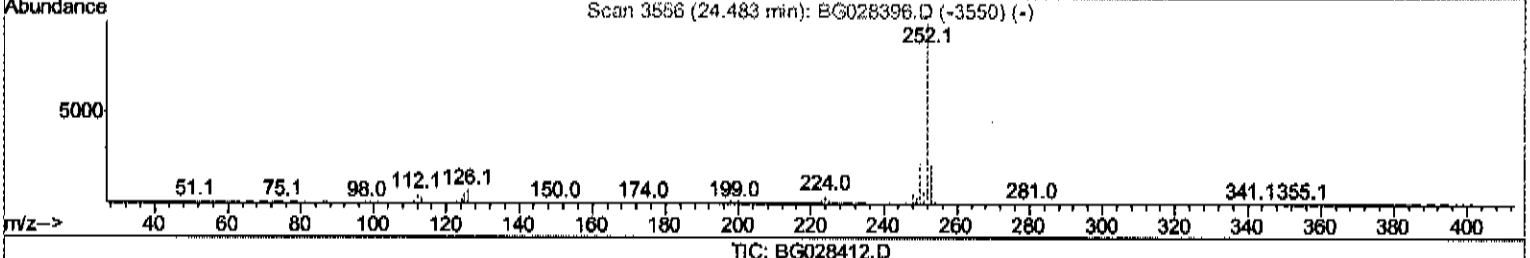
Quant Time: Aug 23 02:45:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 22 04:33:26 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02078

**Manual Integrations APPROVED**
Sohil
8/23/2017 3:01:52 PM




TIC: BG028412.D

(86) Benzo(k)fluoranthene

24.411min (-0.072) 19.43ng/ul

response 419178

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 23.10 | 20.40 |
| 125.00 | 5.10 | 5.63 |
| 0.00 | 0.00 | 0.00 |

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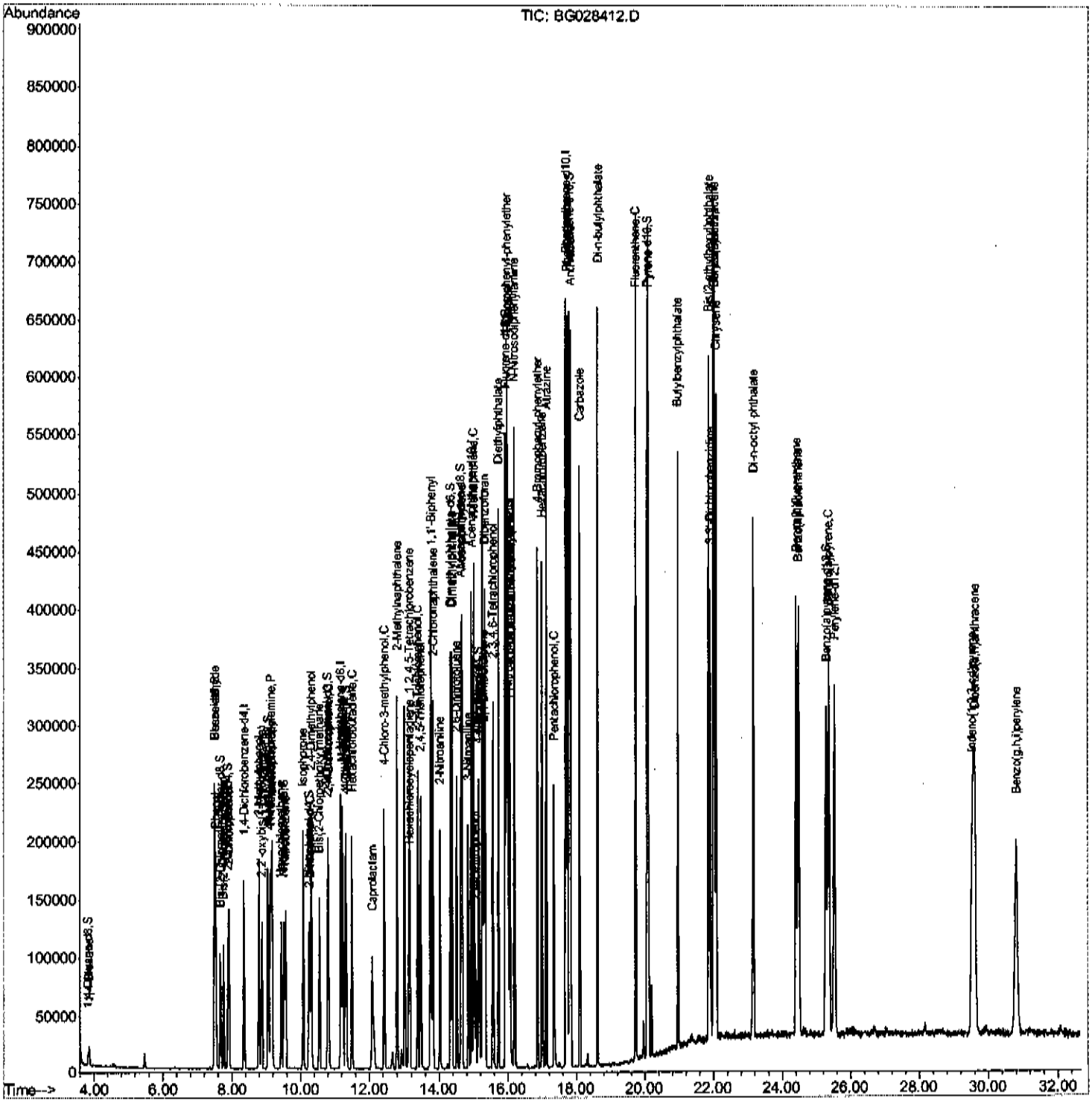
8/23/2017 3:01:52 PM



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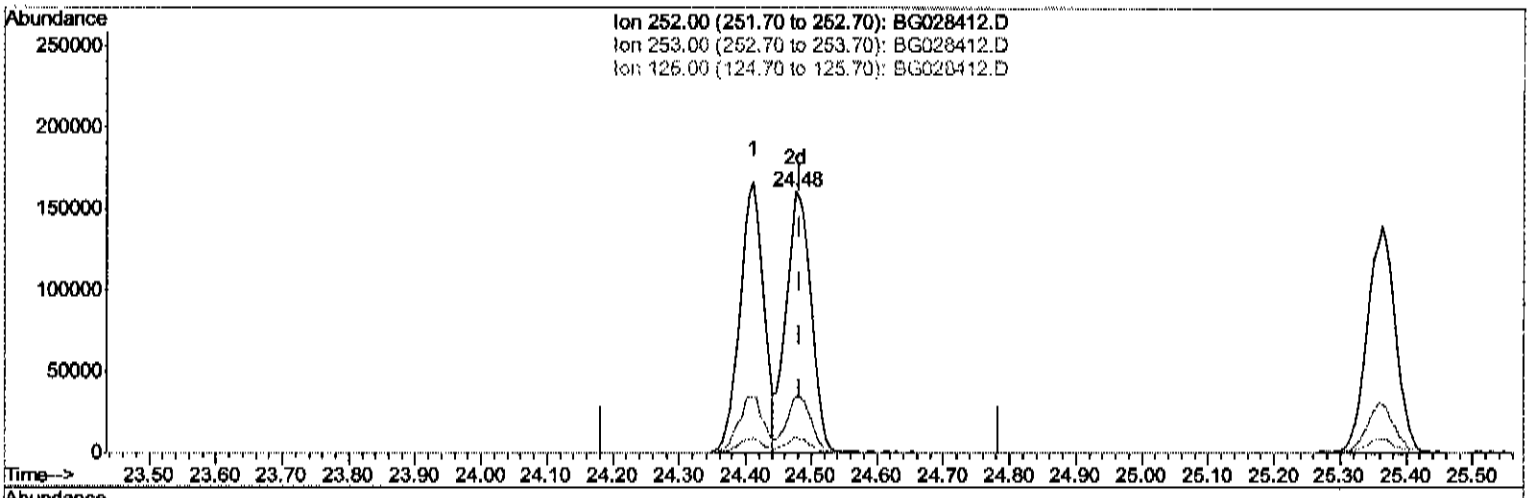
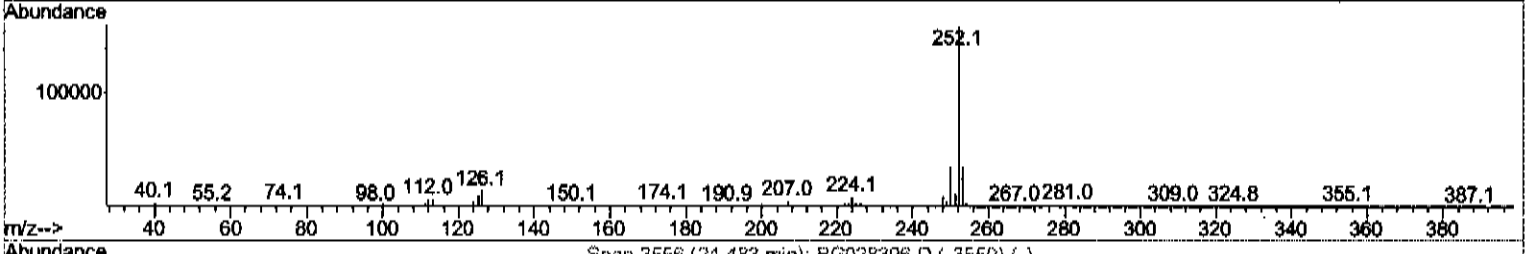
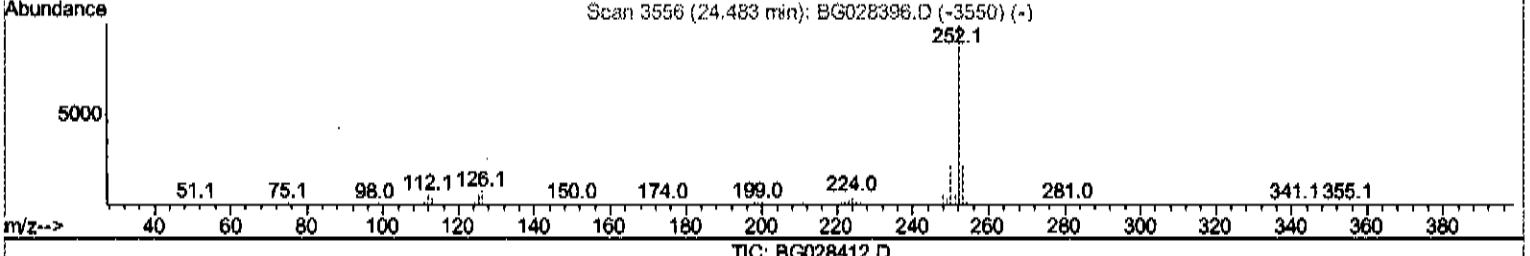
Sohil
8/23/2017 3:01:52 PM




TIC: BG028412.D

(86) Benzo(k)fluoranthene

24.476min (-0.007) 19.78ng/ul m

response 426745

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 23.10 | 21.85 |
| 125.00 | 5.10 | 6.31# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Instrument :
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Manual Integrations APPROVED
Sohil
8/23/2017 3:01:52 PM

Quant Time: Aug 23 02:53:26 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 22 04:33:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.34 | 152 | 44231 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.16 | 136 | 191907 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.95 | 164 | 144113 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.70 | 188 | 417909 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 22.03 | 240 | 380965 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.53 | 264 | 369161 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.82 | 96 | 7104 | 7.48 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 83259 | 17.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.65 | 67 | 51847 | 16.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.88 | 132 | 59413 | 19.39 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.03 | 113 | 69467 | 17.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.51 | 128 | 30867 | 20.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.24 | 143 | 35434 | 21.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.78 | 165 | 70986 | 20.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.29 | 131 | 83683 | 22.08 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.34 | 166 | 252526 | 19.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.65 | 160 | 282516 | 19.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.15 | 143 | 40156 | 19.70 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.94 | 176 | 231147 | 20.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 49673 | 18.30 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.80 | 188 | 399820 | 19.95 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.07 | 212 | 402114 | 20.58 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.29 | 264 | 340885 | 19.72 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.86 | 88 | 8359 | 8.379 | ng/uL# | 94 |
| 4) Benzaldehyde | 7.48 | 77 | 53140 | 18.929 | ng/ul | 94 |
| 6) Phenol | 7.52 | 94 | 84386 | 17.479 | ng/ul | 90 |
| 8) Bis(2-Chloroethyl)ether | 7.75 | 93 | 59053 | 17.956 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.91 | 128 | 57578 | 19.281 | ng/ul | 93 |
| 11) 2-Methylphenol | 8.78 | 108 | 58365 | 17.127 | ng/ul | 89 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.86 | 45 | 121590 | 15.231 | ng/ul | 96 |
| 14) Acetophenone | 9.16 | 105 | 100353 | 17.331 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 9.13 | 70 | 55176 | 16.766 | ng/ul# | 96 |
| 16) 4-Methylphenol | 9.11 | 108 | 66203 | 17.205 | ng/ul | 98 |
| 17) Hexachloroethane | 9.43 | 117 | 24996 | 20.199 | ng/ul# | 91 |
| 20) Nitrobenzene | 9.55 | 77 | 86762 | 19.973 | ng/ul | 98 |
| 21) Isophorone | 10.07 | 82 | 153140 | 18.556 | ng/ul | 98 |
| 23) 2-Nitrophenol | 10.26 | 139 | 34806 | 20.955 | ng/ul | 84 |
| 24) 2,4-Dimethylphenol | 10.32 | 107 | 80385 | 19.471 | ng/ul | 96 |
| 25) Bis(2-Chloroethoxy)methane | 10.54 | 93 | 84250 | 18.741 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 10.80 | 162 | 62812 | 20.269 | ng/ul | 92 |
| 28) Naphthalene | 11.21 | 128 | 192402 | 20.243 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.32 | 127 | 81551 | 22.202 | ng/ul | 93 |
| 31) Hexachlorobutadiene | 11.49 | 225 | 51001 | 22.296 | ng/ul | 94 |
| 32) Caprolactam | 12.07 | 113 | 28275 | 21.942 | ng/ul | 89 |
| 33) 4-Chloro-3-methylphenol | 12.42 | 107 | 81405 | 20.580 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.80 | 142 | 150452 | 19.707 | ng/ul | 89 |

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**Manual Integrations APPROVED**
Sohil
8/23/2017 3:01:52 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.15 | 216 | 98274 | 21.156 ng/ul | 91 |
| 37) Hexachlorocyclopentadiene | 13.13 | 237 | 42166 | 16.451 ng/ul# | 98 |
| 38) 2,4,6-Trichlorophenol | 13.39 | 196 | 68021 | 23.494 ng/ul | 95 |
| 39) 2,4,5-Trichlorophenol | 13.47 | 196 | 69887 | 22.146 ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.78 | 154 | 204409 | 19.421 ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.84 | 162 | 160539 | 19.301 ng/ul | 96 |
| 42) 2-Nitroaniline | 14.04 | 65 | 70094 | 20.099 ng/ul | 91 |
| 44) Dimethylphthalate | 14.39 | 163 | 224509 | 19.023 ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 14.52 | 165 | 52046 | 21.359 ng/ul# | 91 |
| 47) Acenaphthylene | 14.68 | 152 | 268742 | 19.459 ng/ul | 96 |
| 48) 3-Nitroaniline | 14.85 | 138 | 47674 | 21.728 ng/ul# | 98 |
| 49) Acenaphthene | 15.02 | 153 | 182643 | 19.600 ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 15.06 | 184 | 25969 | 18.915 ng/ul# | 81 |
| 52) 4-Nitrophenol | 15.16 | 109 | 39742 | 18.820 ng/ul# | 69 |
| 53) Dibenzofuran | 15.35 | 168 | 274809 | 20.227 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 15.31 | 165 | 81245 | 22.001 ng/ul# | 86 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.57 | 232 | 70257 | 23.905 ng/ul# | 93 |
| 56) Diethylphthalate | 15.74 | 149 | 268478 | 19.391 ng/ul | 99 |
| 58) Fluorene | 16.00 | 166 | 244496 | 20.327 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.98 | 204 | 131436 | 20.367 ng/ul# | 82 |
| 60) 4-Nitroaniline | 16.02 | 138 | 49696 | 19.091 ng/ul# | 85 |
| 63) 4,6-Dinitro-2-methylphenol | 16.07 | 198 | 52358 | 19.020 ng/ul# | 93 |
| 64) N-Nitrosodiphenylamine | 16.19 | 169 | 209518 | 19.057 ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.87 | 248 | 94297 | 20.994 ng/ul | 83 |
| 66) Hexachlorobenzene | 17.01 | 284 | 100085 | 20.931 ng/ul | 93 |
| 67) Atrazine | 17.13 | 200 | 103820 | 21.659 ng/ul | 96 |
| 68) Pentachlorophenol | 17.35 | 266 | 45873 | 18.940 ng/ul | 96 |
| 69) Phenanthrene | 17.74 | 178 | 419168 | 19.931 ng/ul | 98 |
| 71) Anthracene | 17.83 | 178 | 436630 | 20.313 ng/ul | 97 |
| 72) Carbazole | 18.10 | 167 | 354298 | 18.953 ng/ul | 96 |
| 73) Di-n-butylphthalate | 18.63 | 149 | 478414 | 20.558 ng/ul# | 97 |
| 74) Fluoranthene | 19.74 | 202 | 473806 | 18.537 ng/ul | 98 |
| 77) Pyrene | 20.10 | 202 | 465061 | 20.461 ng/ul | 97 |
| 78) Butylbenzylphthalate | 20.96 | 149 | 161018 | 18.910 ng/ul | 92 |
| 79) 3,3'-Dichlorobenzidine | 21.91 | 252 | 154178 | 20.977 ng/ul# | 97 |
| 80) Benzo(a)anthracene | 22.01 | 228 | 433844 | 19.710 ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.86 | 149 | 231134 | 19.087 ng/ul | 99 |
| 82) Chrysene | 22.08 | 228 | 387935 | 19.569 ng/ul | 99 |
| 84) Di-n-octyl phthalate | 23.17 | 149 | 403564 | 18.242 ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 24.41 | 252 | 419178 | 18.975 ng/ul | 97 |
| 86) Benzo(k)fluoranthene | 24.48 | 252 | 426745m | 19.776 ng/ul | > |
| 88) Benzo(a)pyrene | 25.36 | 252 | 417533 | 19.521 ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 29.53 | 276 | 489782 | 19.554 ng/ul | 95 |
| 90) Dibenzo(a,h)anthracene | 29.60 | 278 | 414617 | 19.749 ng/ul | 92 |
| 91) Benzo(g,h,i)perylene | 30.80 | 276 | 405602 | 19.684 ng/ul | 98 |

> JU 8/26/17

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