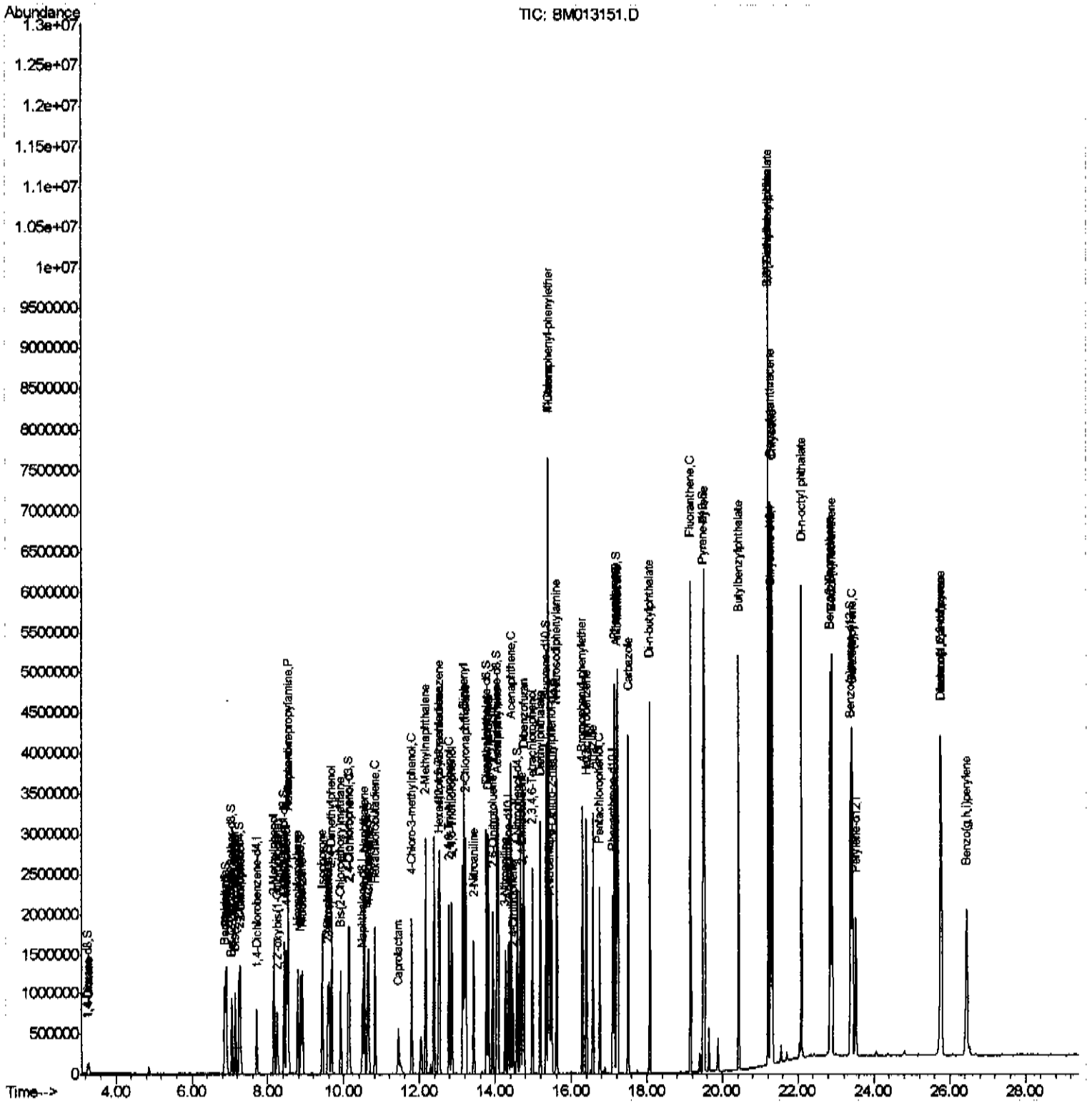
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM113017\
Data File : BM013151.D
Acq On : 30 Nov 2017 10:49
Operator : SJ/JU
Sample : SSTD04006
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 30 11:58:42 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 30 11:45:02 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD04006

**Manual Integrations APPROVED**
Sohil
12/1/2017 3:40:42 PM



Quantitation Report (Qedit)

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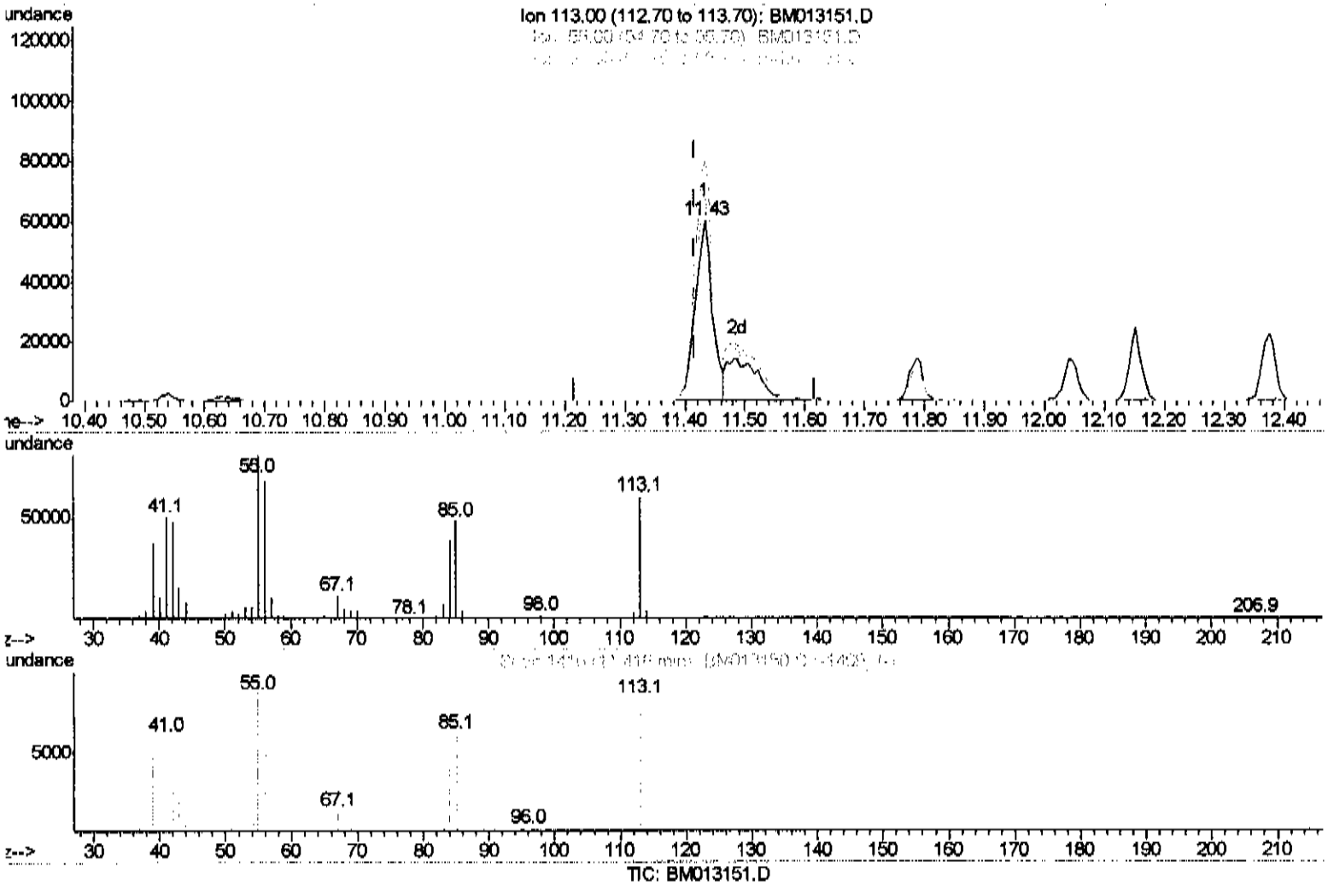


(32) Caprolactam

11.434min (+0.018) 29.56ng/ul

response 122233

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 260.00 | 133.31# |
| 56.00 | 200.00 | 112.50# |
| 0.00 | 0.00 | 0.00 |

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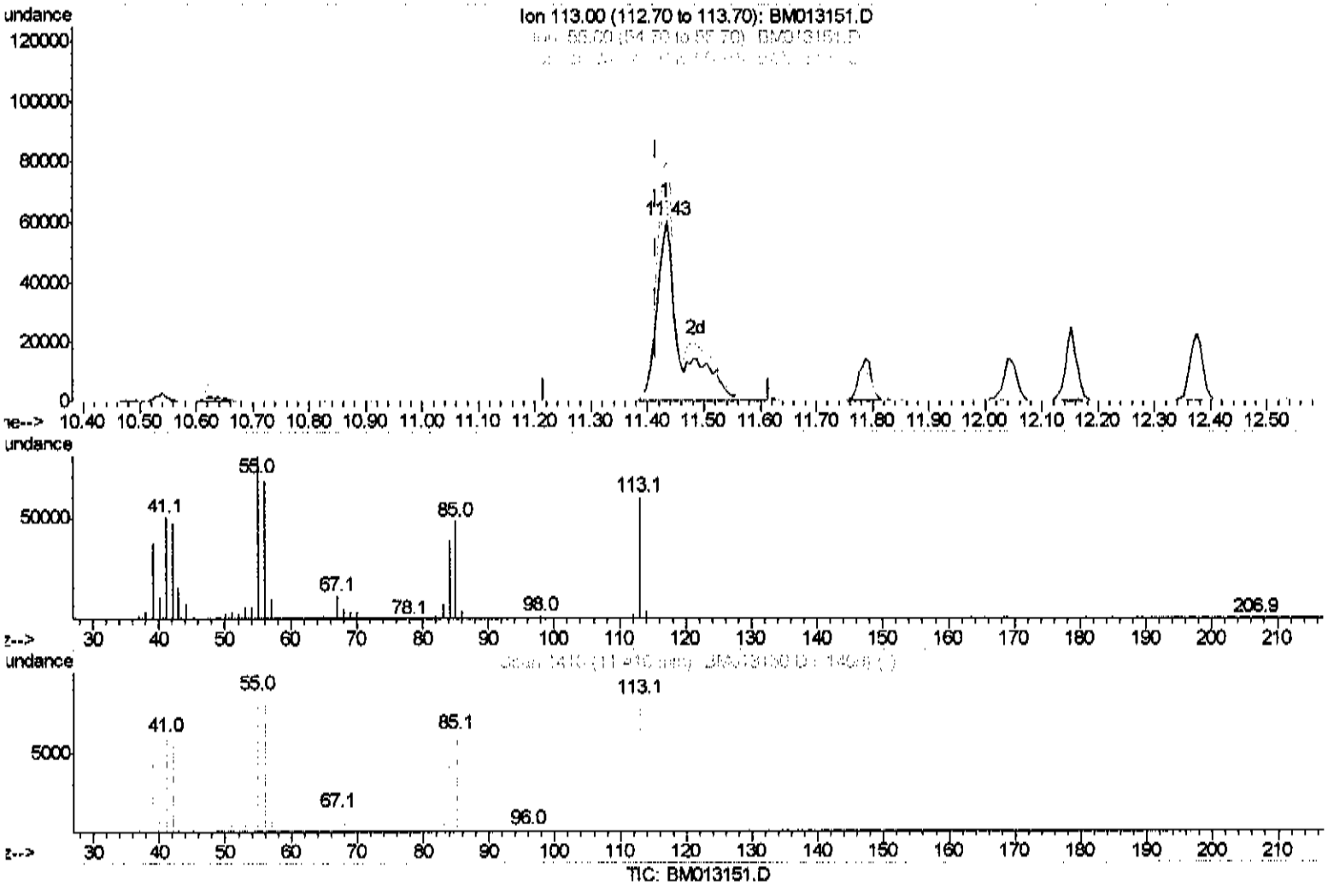


(32) Caprolactam

11.434min (+0.018) 41.90ng/ul m JU 12/01/17

response 173256

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 260.00 | 133.31# |
| 56.00 | 200.00 | 112.50# |
| 0.00 | 0.00 | 0.00 |

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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 185594 | 20.00 ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.49 | 136 | 823557 | 20.00 ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.35 | 164 | 507386 | 20.00 ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.09 | 188 | 1238215 | 20.00 ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.28 | 240 | 1401843 | 20.00 ng/ul | 0.00 |
| 83) Perylene-d12 | 23.50 | 264 | 1240305 | 20.00 ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 58015 | 14.48 ng/uL | 0.00 |
| 5) Phenol-d5 | 6.89 | 99 | 659005 | 41.00 ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.05 | 67 | 370236 | 40.59 ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.25 | 132 | 524972 | 40.86 ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.42 | 113 | 563703 | 42.81 ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.86 | 128 | 270602 | 46.10 ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 298009 | 53.38 ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.12 | 165 | 601320 | 42.43 ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 637652 | 43.03 ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.76 | 166 | 1849678 | 41.56 ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.04 | 160 | 2332128 | 41.13 ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.57 | 143 | 325982 | 48.29 ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.34 | 176 | 1585004 | 41.91 ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 323274 | 60.21 ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.19 | 188 | 2584247 | 40.77 ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.49 | 212 | 2920760 | 40.78 ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.37 | 264 | 2634012 | 41.88 ng/ul | 0.00 |
| **Target Compounds** | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.28 | 88 | 66457 | 15.098 ng/uL# | 63 |
| 4) Benzaldehyde | 6.85 | 77 | 339867 | 39.228 ng/ul | 92 |
| 6) Phenol | 6.92 | 94 | 648866 | 40.894 ng/ul# | 85 |
| 8) Bis(2-Chloroethyl)ether | 7.14 | 93 | 500501 | 41.895 ng/ul | 99 |
| 10) 2-Chlorophenol | 7.27 | 128 | 518884 | 40.802 ng/ul | 95 |
| 11) 2-Methylphenol | 8.15 | 108 | 503936 | 41.842 ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.24 | 45 | 516683 | 38.123 ng/ul# | 79 |
| 14) Acetophenone | 8.53 | 105 | 851541 | 42.193 ng/ul | 90 |
| 15) N-Nitroso-di-n-propylamine | 8.52 | 70 | 432585 | 41.792 ng/ul# | 70 |
| 16) 4-Methylphenol | 8.48 | 108 | 542698 | 42.433 ng/ul | 96 |
| 17) Hexachloroethane | 8.77 | 117 | 224939 | 41.765 ng/ul | 79 |
| 20) Nitrobenzene | 8.90 | 77 | 668070 | 45.555 ng/ul | 94 |
| 21) Isophorone | 9.43 | 82 | 1193164 | 39.706 ng/ul | 95 |
| 23) 2-Nitrophenol | 9.61 | 139 | 303962 | 50.028 ng/ul# | 82 |
| 24) 2,4-Dimethylphenol | 9.67 | 107 | 647944 | 40.539 ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 9.91 | 93 | 689142 | 39.965 ng/ul | 96 |
| 27) 2,4-Dichlorophenol | 10.14 | 162 | 549729 | 41.742 ng/ul | 93 |
| 28) Naphthalene | 10.53 | 128 | 1713860 | 40.387 ng/ul | 99 |
| 30) 4-Chloroaniline | 10.65 | 127 | 619575 | 43.610 ng/ul | 94 |
| 31) Hexachlorobutadiene | 10.82 | 225 | 382803 | 40.367 ng/ul | 92 |
| 32) Caprolactam | 11.43 | 113 | 173255m> | 41.895 ng/ul | > |
| 33) 4-Chloro-3-methylphenol | 11.79 | 107 | 599828 | 42.761 ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.15 | 142 | 1305424 | 42.046 ng/ul | 93 |

JU 12/1/17

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 754176 | 40.864 | ng/ul# | 94 |
| 37) Hexachlorocyclopentadiene | 12.50 | 237 | 507688 | 37.196 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.77 | 196 | 485030 | 43.608 | ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.85 | 196 | 515189 | 44.301 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.17 | 154 | 1771304 | 41.435 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.22 | 162 | 1376751 | 40.633 | ng/ul | 100 |
| 42) 2-Nitroaniline | 13.43 | 65 | 421362 | 58.557 | ng/ul | 87 |
| 44) Dimethylphthalate | 13.81 | 163 | 1779739 | 41.819 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.93 | 165 | 375415 | 57.813 | ng/ul | 98 |
| 47) Acenaphthylene | 14.07 | 152 | 2112850 | 40.445 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.26 | 138 | 334318 | 54.967 | ng/ul | 91 |
| 49) Acenaphthene | 14.41 | 153 | 1446988 | 41.216 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.46 | 184 | 200888 | 64.622 | ng/ul | 91 |
| 52) 4-Nitrophenol | 14.58 | 109 | 319046 | 52.156 | ng/ul# | 81 |
| 53) Dibenzofuran | 14.75 | 168 | 2105338 | 41.865 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.72 | 165 | 541764 | 59.643 | ng/ul# | 88 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.97 | 232 | 479281 | 49.213 | ng/ul | 90 |
| 56) Diethylphthalate | 15.18 | 149 | 1794602 | 41.708 | ng/ul | 96 |
| 58) Fluorene | 15.40 | 166 | 1766246 | 42.647 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204 | 950078 | 43.424 | ng/ul | 98 |
| 60) 4-Nitroaniline | 15.43 | 138 | 371801 | 46.485 | ng/ul | 90 |
| 63) 4,6-Dinitro-2-methylphenol | 15.48 | 198 | 322145 | 55.247 | ng/ul# | 99 |
| 64) N-Nitrosodiphenylamine | 15.61 | 169 | 1515213 | 38.978 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.29 | 248 | 604352 | 40.297 | ng/ul | 95 |
| 66) Hexachlorobenzene | 16.40 | 284 | 644902 | 39.844 | ng/ul# | 92 |
| 67) Atrazine | 16.57 | 200 | 586529 | 39.390 | ng/ul | 93 |
| 68) Pentachlorophenol | 16.74 | 266 | 387976 | 46.477 | ng/ul | 97 |
| 69) Phenanthrene | 17.13 | 178 | 2884421 | 41.416 | ng/ul | 99 |
| 71) Anthracene | 17.23 | 178 | 2935945 | 40.628 | ng/ul | 99 |
| 72) Carbazole | 17.50 | 167 | 2509069 | 40.150 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.07 | 149 | 3088970 | 38.805 | ng/ul | 98 |
| 74) Fluoranthene | 19.15 | 202 | 3542750 | 42.085 | ng/ul# | 93 |
| 77) Pyrene | 19.52 | 202 | 3535927 | 40.508 | ng/ul# | 91 |
| 78) Butylbenzylphthalate | 20.43 | 149 | 1471416 | 40.569 | ng/ul | 91 |
| 79) 3,3'-Dichlorobenzidine | 21.20 | 252 | 1220271 | 42.352 | ng/ul | 96 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 3624382 | 40.397 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 2185439 | 40.884 | ng/ul | 99 |
| 82) Chrysene | 21.32 | 228 | 3349067 | 40.255 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.08 | 149 | 3593197 | 43.962 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.84 | 252 | 3517130 | 43.879 | ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.89 | 252 | 3272245 | 44.343 | ng/ul# | 99 |
| 88) Benzo(a)pyrene | 23.41 | 252 | 3079091 | 41.249 | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 3038858 | 34.852 | ng/ul# | 94 |
| 90) Dibenzo(a,h)anthracene | 25.76 | 278 | 2592903 | 35.104 | ng/ul# | 96 |
| 91) Benzo(g,h,i)perylene | 26.43 | 276 | 2380679 | 32.860 | ng/ul# | 97 |

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