Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101519\
Data File : BM023193.D
Acq On : 16 Oct 2019 14:21
Operator : JU
Sample : SSTDCCC020EC

Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 16 15:05:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 16 08:27:24 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02011

**Manual Integrations APPROVED**
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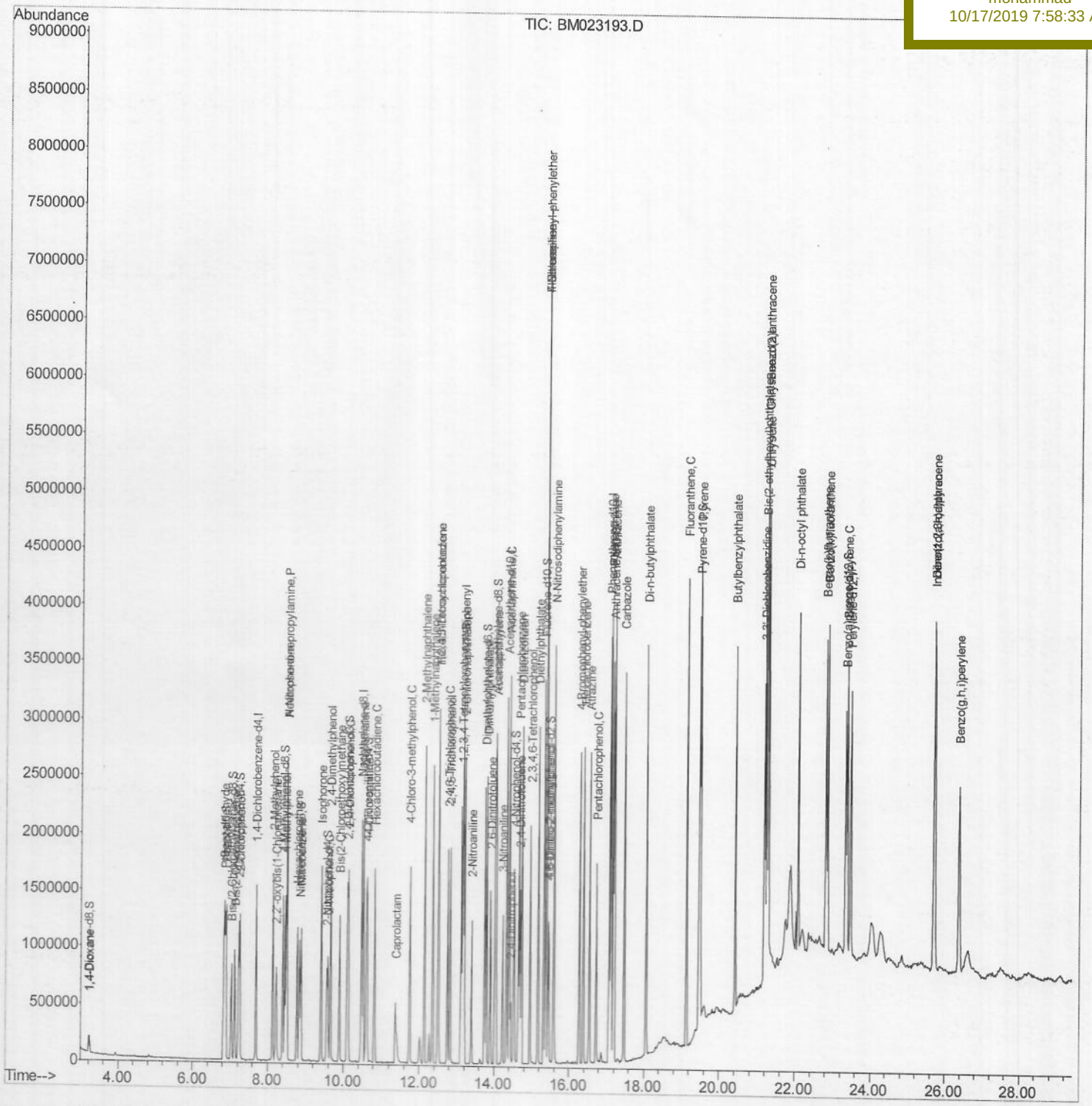
10/17/2019 7:58:33 AM



Quantitation Report (Qedit)

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Data File : BM023193.D
Acq On : 16 Oct 2019 14:21
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Sample : SSTDCCC020EC

Misc :
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Quant Time: Oct 16 15:02:39 2019
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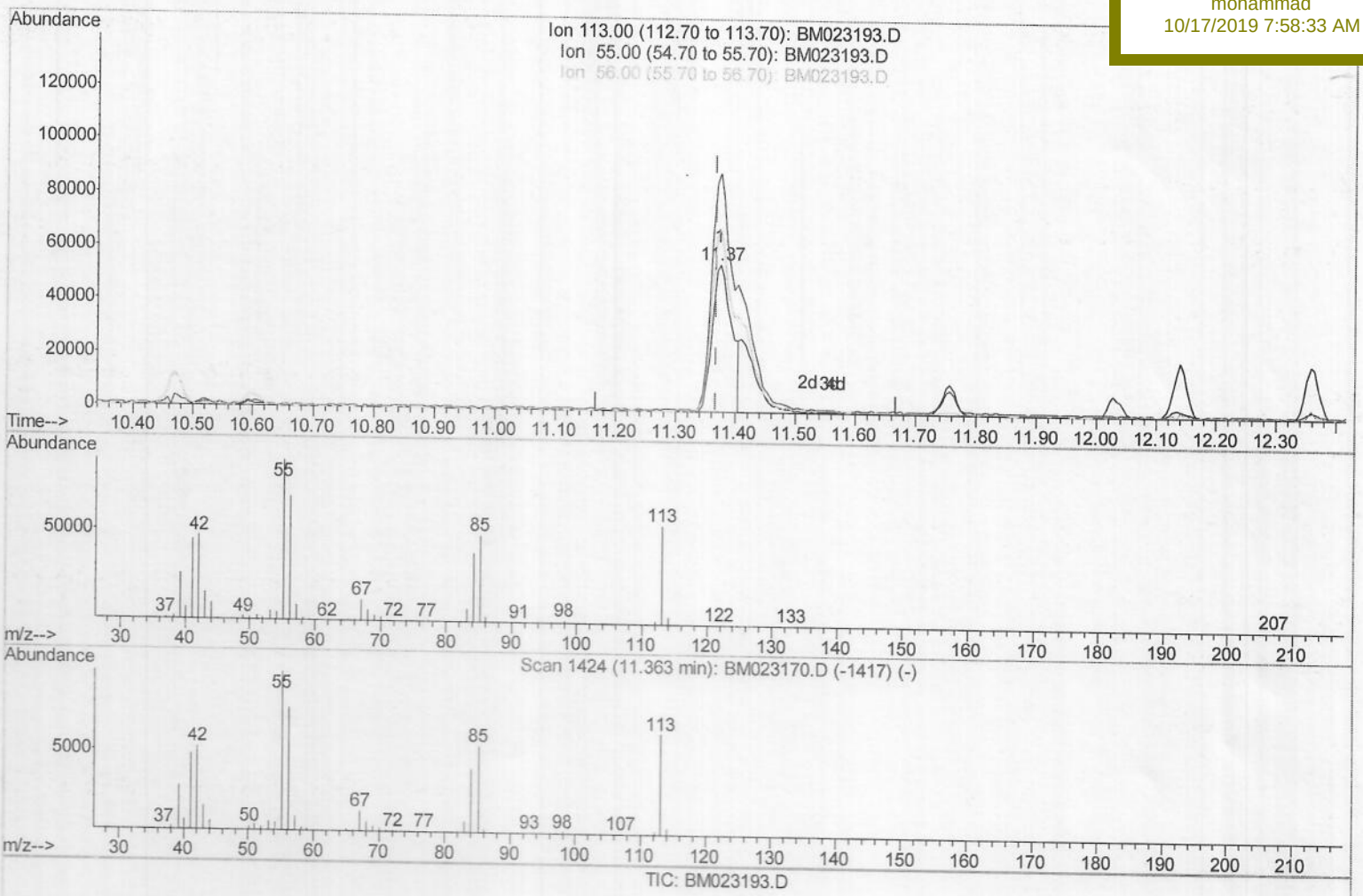


(32) Caprolactam

11.375min (+0.006) 12.56ng/ul

response 124883

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 181.30 | 161.32 |
| 56.00 | 128.80 | 124.81 |
| 0.00 | 0.00 | 0.00 |

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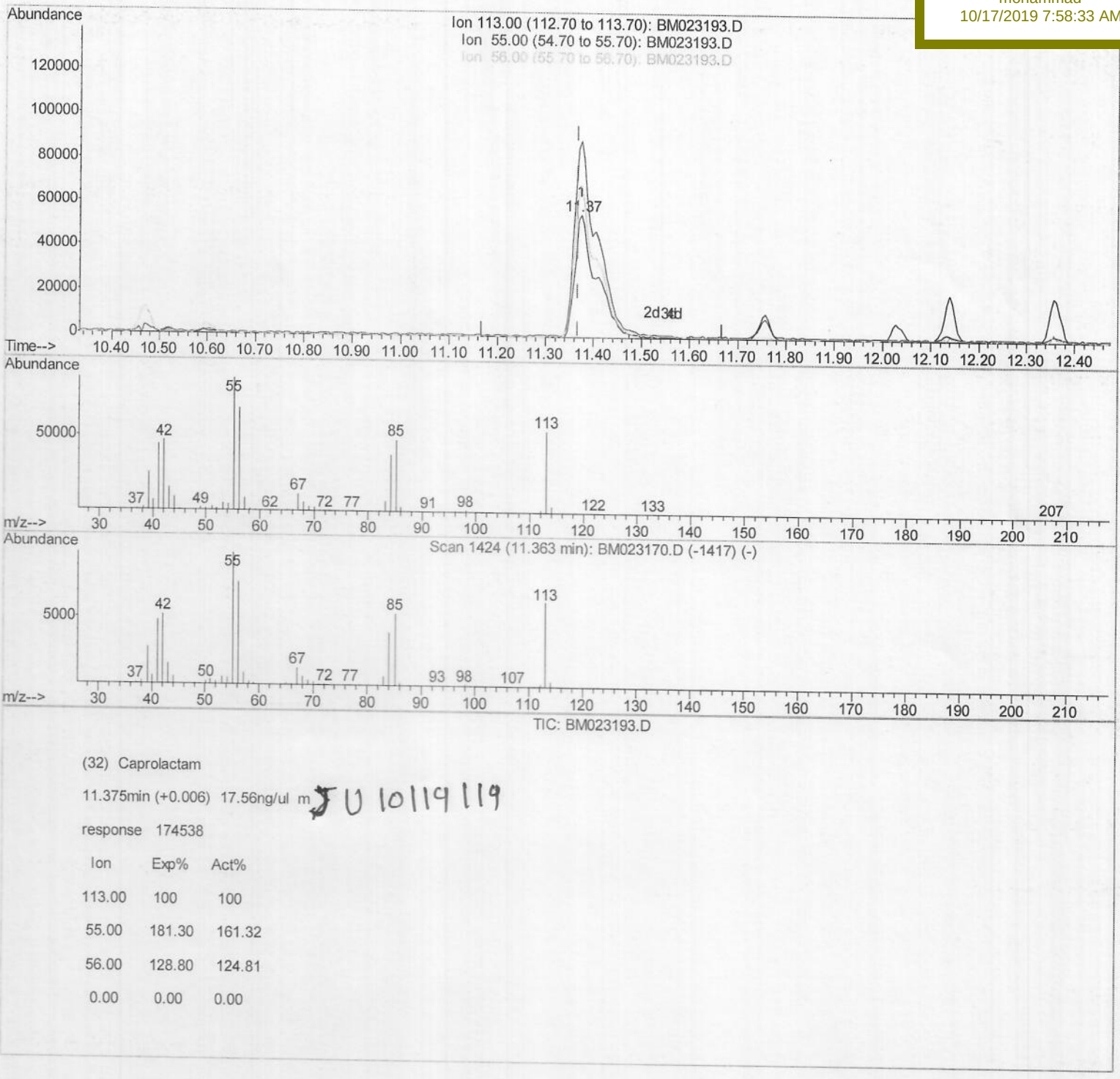


TIC: BM023193.D

(32) Caprolactam

11.375min (+0.006) 17.56ng/ul m JU 10/19/19

response 174538

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 181.30 | 161.32 |
| 56.00 | 128.80 | 124.81 |
| 0.00 | 0.00 | 0.00 |

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**Manual Integrations APPROVED**
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10/17/2019 7:58:33 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 408125 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.47 | 136 | 1729285 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.33 | 164 | 1089202 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.07 | 188 | 2126075 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.26 | 240 | 1518561 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.47 | 264 | 1678924 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 74012 | 7.98 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.86 | 99 | 662006 | 18.62 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 376028 | 18.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.22 | 132 | 524564 | 19.28 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 532504 | 18.65 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 246401 | 21.06 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.56 | 143 | 253396 | 22.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.09 | 165 | 561330 | 19.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 691083 | 20.05 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.75 | 166 | 1588291 | 19.03 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.02 | 160 | 1921101 | 19.62 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.52 | 143 | 255504 | 18.91 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.33 | 176 | 1358566 | 19.10 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 171177 | 20.31 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.17 | 188 | 2005449 | 19.56 | ng/ul | -0.01 |
| 79) Pyrene-d10 | 19.46 | 212 | 1838394 | 25.00 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12 | 23.34 | 264 | 1656238 | 19.46 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.24 | 88 | 72410 | 7.471 | ng/uL# | 78 |
| 4) Benzaldehyde | 6.83 | 77 | 477554 | 20.447 | ng/ul | 99 |
| 6) Phenol | 6.89 | 94 | 696065 | 18.989 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.12 | 93 | 519872 | 19.233 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.26 | 128 | 556458 | 19.571 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.13 | 108 | 531723 | 18.923 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.22 | 45 | 748215 | 18.963 | ng/ul | 99 |
| 14) Acetophenone | 8.50 | 105 | 840692 | 18.887 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.50 | 70 | 449002 | 18.262 | ng/ul | 96 |
| 16) 4-Methylphenol | 8.46 | 108 | 574088 | 18.789 | ng/ul | 98 |
| 17) Hexachloroethane | 8.77 | 117 | 223858 | 19.806 | ng/ul | 97 |
| 20) Nitrobenzene | 8.87 | 77 | 617010 | 19.738 | ng/ul | 96 |
| 21) Isophorone | 9.40 | 82 | 1226168 | 18.235 | ng/ul | 100 |
| 23) 2-Nitrophenol | 9.59 | 139 | 285159 | 22.239 | ng/ul | 100 |
| 24) 2,4-Dimethylphenol | 9.65 | 107 | 647207 | 18.990 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.89 | 93 | 722271 | 19.341 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.12 | 162 | 552668 | 19.965 | ng/ul | 96 |
| 28) Naphthalene | 10.52 | 128 | 1766201 | 19.760 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.62 | 127 | 717900 | 20.132 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.82 | 225 | 368252 | 19.747 | ng/ul | 99 |
| 32) Caprolactam | 11.37 | 113 | 174538m> | 17.560 | ng/ul> | > JV 10/19/19 |
| 33) 4-Chloro-3-methylphenol | 11.76 | 107 | 595538 | 18.774 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.14 | 142 | 1294390 | 19.461 | ng/ul | 99 |

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**Manual Integrations APPROVED**
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10/17/2019 7:58:33 AM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.36 | 142 | 1250533 | 19.428 ng/ul | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.52 | 216 | 715333 | 20.304 ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.50 | 237 | 344684 | 16.167 ng/ul | 100 |
| 39) 2,4,6-Trichlorophenol | 12.75 | 196 | 447903 | 20.674 ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.82 | 196 | 482935 | 20.735 ng/ul | 98 |
| 41) 1,1'-Biphenyl | 13.16 | 154 | 1673810 | 20.197 ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.20 | 162 | 1292685 | 20.140 ng/ul | 99 |
| 43) 2-Nitroaniline | 13.40 | 65 | 341628 | 22.713 ng/ul | 93 |
| 45) Dimethylphthalate | 13.79 | 163 | 1594547 | 19.086 ng/ul | 100 |
| 46) 2,6-Dinitrotoluene | 13.90 | 165 | 300001 | 22.871 ng/ul | 95 |
| 48) Acenaphthylene | 14.05 | 152 | 1978105 | 19.762 ng/ul | 99 |
| 49) 3-Nitroaniline | 14.22 | 138 | 302272 | 21.386 ng/ul# | 98 |
| 50) Acenaphthene | 14.39 | 153 | 1369504 | 19.648 ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.43 | 184 | 109960 | 18.403 ng/ul | 96 |
| 53) 4-Nitrophenol | 14.53 | 109 | 216293 | 17.770 ng/ul | 90 |
| 54) Dibenzofuran | 14.73 | 168 | 1948157 | 19.689 ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.69 | 165 | 433003 | 22.568 ng/ul | 99 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 408592 | 20.151 ng/ul | 99 |
| 57) Diethylphthalate | 15.17 | 149 | 1599305 | 18.744 ng/ul | 100 |
| 59) Fluorene | 15.38 | 166 | 1567335 | 19.306 ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.38 | 204 | 821734 | 19.380 ng/ul | 99 |
| 61) 4-Nitroaniline | 15.39 | 138 | 335441 | 19.724 ng/ul | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.46 | 198 | 200006 | 20.265 ng/ul | 95 |
| 65) N-Nitrosodiphenylamine | 15.59 | 169 | 1380050 | 21.033 ng/ul | 100 |
| 66) 4-Bromophenyl-phenylether | 16.27 | 248 | 536993 | 20.922 ng/ul | 97 |
| 67) Hexachlorobenzene | 16.39 | 284 | 601131 | 20.651 ng/ul | 98 |
| 68) Atrazine | 16.54 | 200 | 493059 | 19.633 ng/ul | 99 |
| 69) Pentachlorophenol | 16.73 | 266 | 322980 | 19.809 ng/ul | 98 |
| 70) Phenanthrene | 17.12 | 178 | 2370033 | 19.863 ng/ul | 99 |
| 72) Anthracene | 17.20 | 178 | 2417943 | 19.611 ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216 | 686467 | 22.235 ng/uL | 100 |
| 74) Pentachlorobenzene | 14.65 | 250 | 711007 | 22.105 ng/uL | 100 |
| 75) Carbazole | 17.47 | 167 | 2082780 | 18.909 ng/ul | 99 |
| 76) Di-n-butylphthalate | 18.06 | 149 | 2544404 | 19.412 ng/ul | 99 |
| 77) Fluoranthene | 19.13 | 202 | 2437313 | 17.176 ng/ul | 99 |
| 80) Pyrene | 19.49 | 202 | 2403450 | 25.265 ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.42 | 149 | 915928 | 27.683 ng/ul | 95 |
| 82) 3,3'-Dichlorobenzidine | 21.18 | 252 | 760578 | 20.676 ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.24 | 228 | 2024523 | 19.676 ng/ul | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 1271874 | 24.175 ng/ul | 100 |
| 85) Chrysene | 21.30 | 228 | 1871444 | 19.588 ng/ul | 100 |
| 87) Di-n-octyl phthalate | 22.09 | 149 | 2014595 | 23.258 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.82 | 252 | 2023737 | 19.881 ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.86 | 252 | 1883629 | 19.271 ng/ul | 99 |
| 91) Benzo(a)pyrene | 23.38 | 252 | 1908932 | 19.546 ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 2398227 | 20.642 ng/ul | 100 |
| 93) Dibenzo(a,h)anthracene | 25.72 | 278 | 1996520 | 20.552 ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 26.38 | 276 | 2018555 | 21.102 ng/ul | 99 |

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

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