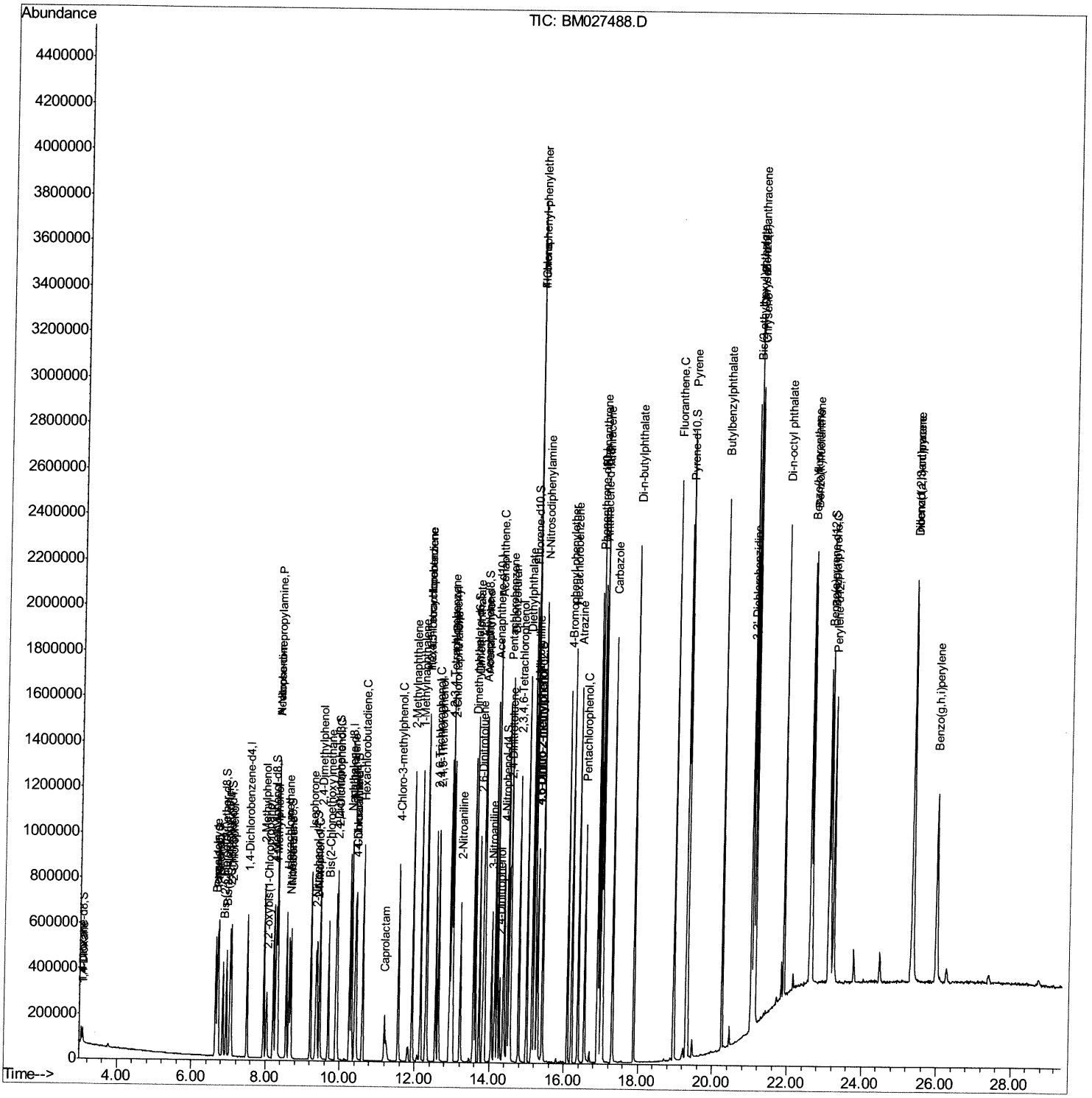
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027488.D
Acq On : 19 Sep 2020 07:41
Operator : JU/CG
Sample : SSTDCCC020EC
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 19 08:15:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 19 07:00:16 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02024

**Manual Integrations APPROVED**
mohammad
9/21/2020 10:48:13 AM



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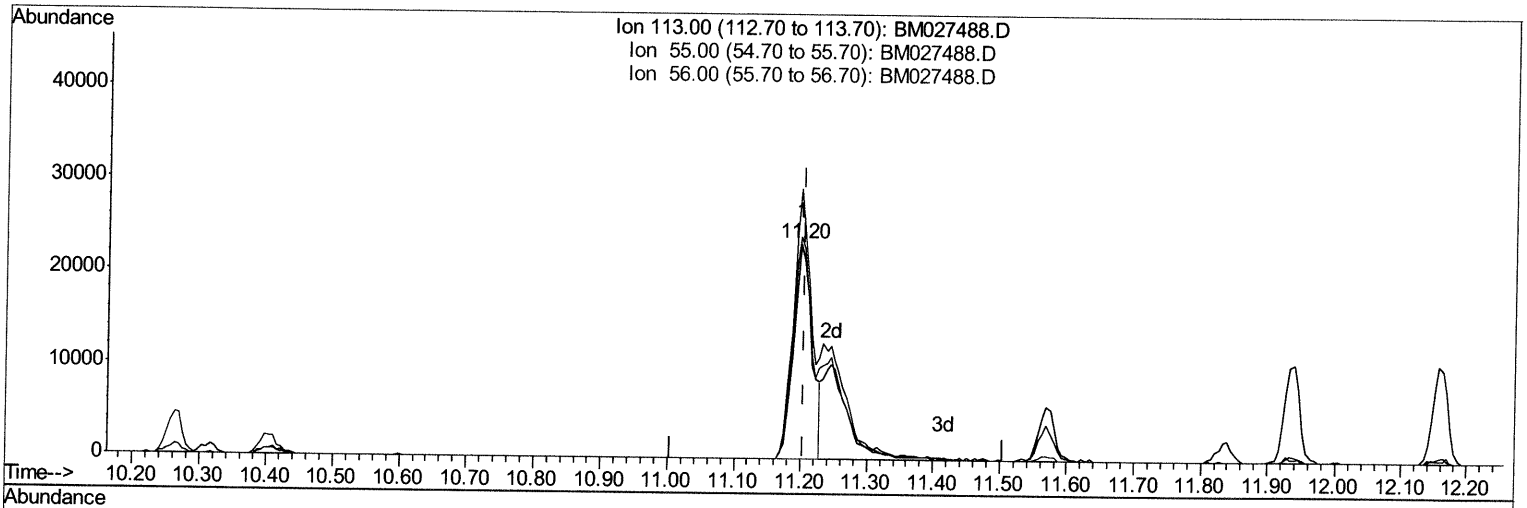


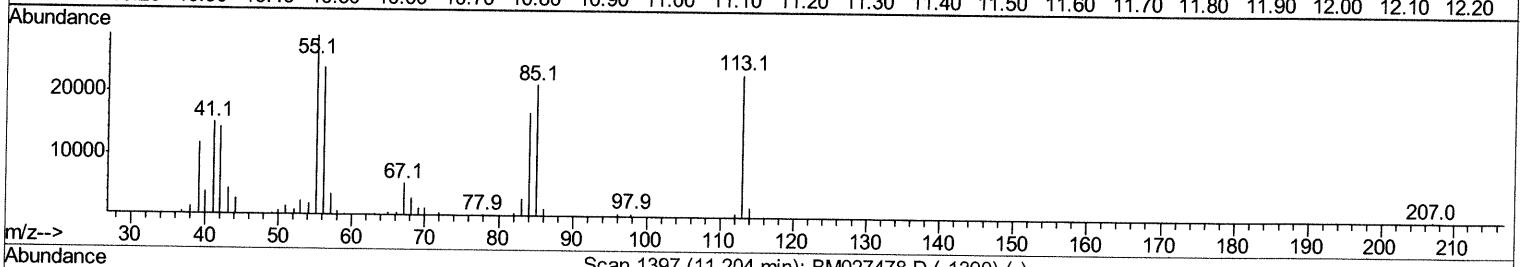


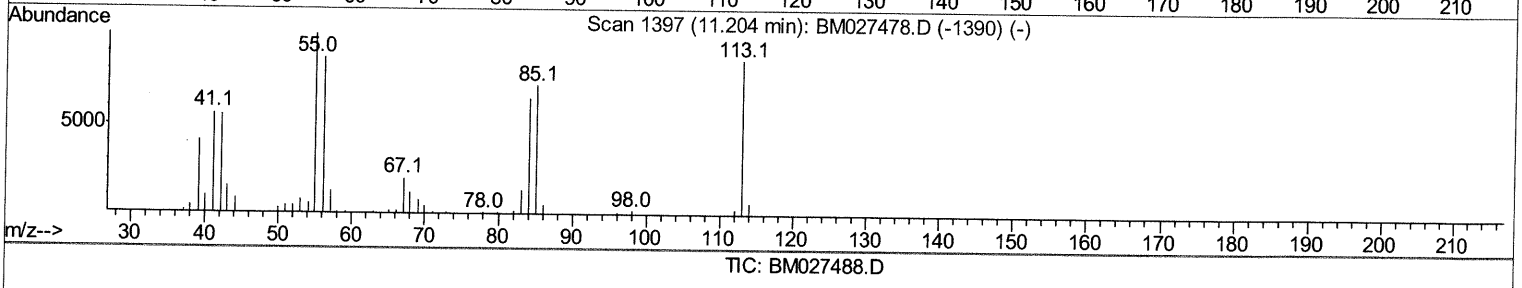


TIC: BM027488.D

(32) Caprolactam

11.198min (-0.006) 12.17ng/ul

response 44800

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 125.60 | 125.63 |
| 56.00 | 104.60 | 103.47 |
| 0.00 | 0.00 | 0.00 |

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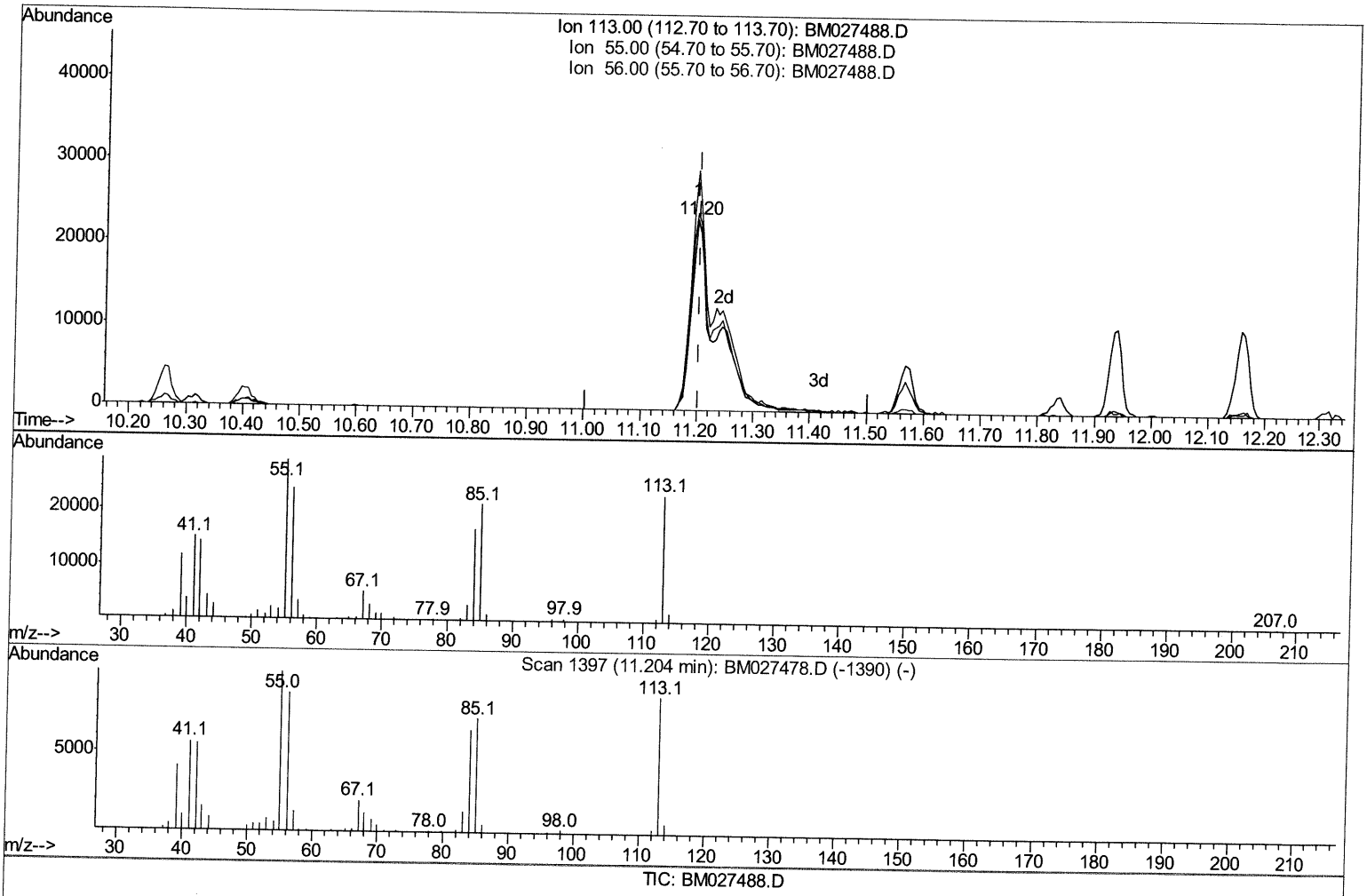


TIC: BM027488.D

(32) Caprolactam

11.198min (-0.006) 19.35ng/ul m 09/21/20 JU

response 71234

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 125.60 | 125.63 |
| 56.00 | 104.60 | 103.47 |
| 0.00 | 0.00 | 0.00 |

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Response via : Initial Calibration

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**LabSampleId :** SSTD02024

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mohammad
9/21/2020 10:48:13 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.49 | 152 | 160916 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.26 | 136 | 656382 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.15 | 164 | 495985 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.89 | 188 | 1153165 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.10 | 240 | 1002497 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.23 | 264 | 868425 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.05 | 96 | 34560 | 9.56 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.69 | 99 | 269736 | 20.34 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.85 | 67 | 184268 | 20.92 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.03 | 132 | 211177 | 21.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.22 | 113 | 220697 | 20.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.64 | 128 | 106321 | 21.52 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.36 | 143 | 123887 | 22.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.89 | 165 | 255425 | 21.90 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.40 | 131 | 283076 | 20.53 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.57 | 166 | 821944 | 20.83 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.83 | 160 | 967147 | 21.69 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.37 | 143 | 119500 | 17.19 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.14 | 176 | 734199 | 20.77 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200 | 136665 | 18.52 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.99 | 188 | 1141732 | 20.94 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.29 | 212 | 1218648 | 27.29 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.10 | 264 | 941566 | 20.21 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 38446 | 8.882 | ng/uL | 96 |
| 4) Benzaldehyde | 6.65 | 77 | 191789 | 20.060 | ng/ul | 95 |
| 6) Phenol | 6.72 | 94 | 296514 | 21.035 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 6.93 | 93 | 239655 | 21.168 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.07 | 128 | 222321 | 21.947 | ng/ul | 97 |
| 11) 2-Methylphenol | 7.95 | 108 | 214910 | 20.656 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.03 | 45 | 178841 | 20.948 | ng/ul | 97 |
| 14) Acetophenone | 8.32 | 105 | 383581 | 21.127 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.31 | 70 | 234593 | 22.582 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.27 | 108 | 235141 | 20.705 | ng/ul | 95 |
| 17) Hexachloroethane | 8.56 | 117 | 107035 | 21.237 | ng/ul | 99 |
| 20) Nitrobenzene | 8.68 | 77 | 330013 | 20.450 | ng/ul | 98 |
| 21) Isophorone | 9.22 | 82 | 590015 | 21.542 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.39 | 139 | 133999 | 22.777 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.46 | 107 | 292175 | 21.689 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.70 | 93 | 338634 | 21.763 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 9.92 | 162 | 254573 | 21.924 | ng/ul | 98 |
| 28) Naphthalene | 10.32 | 128 | 723231 | 20.737 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.43 | 127 | 298707 | 21.499 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.61 | 225 | 192512 | 21.020 | ng/ul | 98 |
| 32) Caprolactam | 11.20 | 113 | 71234m> | 19.348 | ng/ul> | 09/21/20 JU |
| 33) 4-Chloro-3-methylphenol | 11.57 | 107 | 270155 | 21.844 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.94 | 142 | 573659 | 21.756 | ng/ul | 96 |

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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 | 12.16 | 142 | 542406 | 20.671 ng/ul | 99 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.32 | 216 | 368578 | 22.107 ng/ul | 99 |
| 38) Hexachlorocyclopentadiene | 12.30 | 237 | 228727 | 20.966 ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.57 | 196 | 236706 | 23.346 ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.64 | 196 | 254901 | 23.277 ng/ul | 99 |
| 41) 1,1'-Biphenyl | 12.97 | 154 | 804672 | 21.571 ng/ul | 99 |
| 42) 2-Chloronaphthalene | 13.01 | 162 | 635714 | 20.941 ng/ul | 98 |
| 43) 2-Nitroaniline | 13.22 | 65 | 198395 | 22.258 ng/ul | 97 |
| 45) Dimethylphthalate | 13.62 | 163 | 862882 | 20.747 ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.73 | 165 | 175991 | 22.192 ng/ul | 93 |
| 48) Acenaphthylene | 13.86 | 152 | 967974 | 21.507 ng/ul | 98 |
| 49) 3-Nitroaniline | 14.05 | 138 | 146447 | 20.731 ng/ul | 99 |
| 50) Acenaphthene | 14.21 | 153 | 678175 | 20.982 ng/ul | 99 |
| 51) 2,4-Dinitrophenol | 14.27 | 184 | 75534 | 15.227 ng/ul# | 88 |
| 53) 4-Nitrophenol | 14.38 | 109 | 126719 | 17.495 ng/ul | 99 |
| 54) Dibenzofuran | 14.54 | 168 | 1015064 | 21.002 ng/ul | 100 |
| 55) 2,4-Dinitrotoluene | 14.52 | 165 | 256283 | 20.965 ng/ul | 95 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.78 | 232 | 234203 | 21.580 ng/ul# | 97 |
| 57) Diethylphthalate | 14.99 | 149 | 891167 | 20.548 ng/ul | 100 |
| 59) Fluorene | 15.20 | 166 | 857006 | 20.631 ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.20 | 204 | 466172 | 20.506 ng/ul | 98 |
| 61) 4-Nitroaniline | 15.22 | 138 | 152838 | 18.640 ng/ul | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.29 | 198 | 141677 | 17.732 ng/ul | 93 |
| 65) N-Nitrosodiphenylamine | 15.42 | 169 | 741815 | 22.812 ng/ul | 99 |
| 66) 4-Bromophenyl-phenylether | 16.10 | 248 | 303175 | 22.711 ng/ul | 97 |
| 67) Hexachlorobenzene | 16.21 | 284 | 351606 | 21.757 ng/ul | 97 |
| 68) Atrazine | 16.38 | 200 | 287685 | 20.421 ng/ul | 98 |
| 69) Pentachlorophenol | 16.55 | 266 | 171257 | 17.268 ng/ul | 97 |
| 70) Phenanthrene | 16.93 | 178 | 1383950 | 20.956 ng/ul | 100 |
| 72) Anthracene | 17.03 | 178 | 1415069 | 21.033 ng/ul | 100 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.93 | 216 | 370496 | 24.408 ng/uL | 99 |
| 74) Pentachlorobenzene | 14.47 | 250 | 382227 | 22.834 ng/uL | 97 |
| 75) Carbazole | 17.30 | 167 | 1154276 | 20.269 ng/ul | 100 |
| 76) Di-n-butylphthalate | 17.89 | 149 | 1524427 | 21.554 ng/ul | 99 |
| 77) Fluoranthene | 18.96 | 202 | 1567606 | 19.264 ng/ul | 99 |
| 80) Pyrene | 19.33 | 202 | 1617415 | 26.670 ng/ul | 99 |
| 81) Butylbenzylphthalate | 20.25 | 149 | 598275 | 25.774 ng/ul | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.02 | 252 | 423403 | 19.231 ng/ul | 97 |
| 83) Benzo(a)anthracene | 21.08 | 228 | 1392246 | 21.434 ng/ul | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.04 | 149 | 862383 | 23.847 ng/ul | 99 |
| 85) Chrysene | 21.13 | 228 | 1325959 | 20.660 ng/ul | 99 |
| 87) Di-n-octyl phthalate | 21.89 | 149 | 1311517 | 24.320 ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.60 | 252 | 1233659 | 21.517 ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.64 | 252 | 1197565 | 20.834 ng/ul | 100 |
| 91) Benzo(a)pyrene | 23.14 | 252 | 1032782 | 19.307 ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.35 | 276 | 1240515 | 17.665 ng/ul | 99 |
| 93) Dibenzo(a,h)anthracene | 25.36 | 278 | 1023877 | 17.238 ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 25.99 | 276 | 1017114 | 17.329 ng/ul | 99 |

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

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