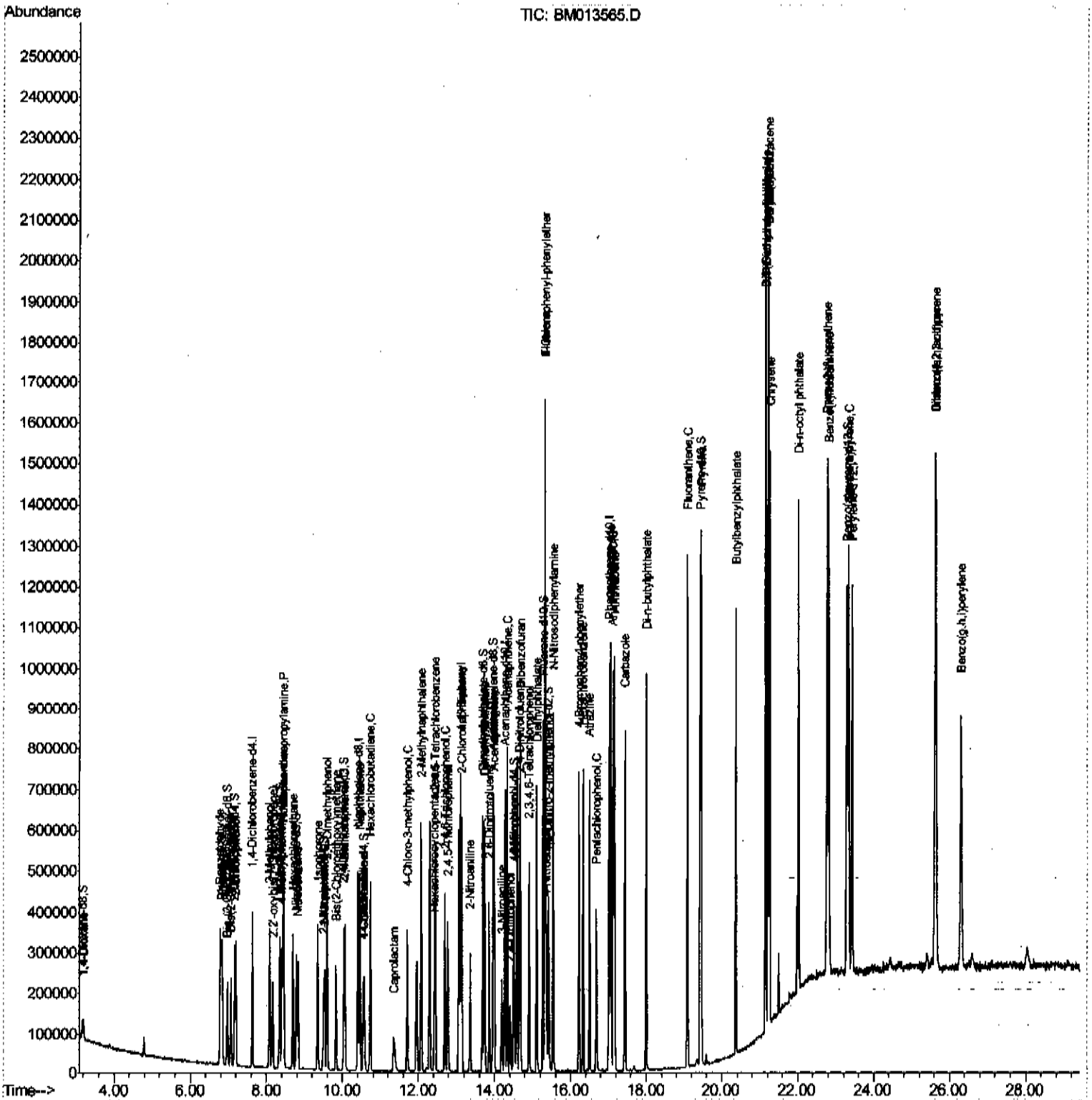
Data Path : U:\HPCHEM1\BNA M\DATA\BM011018\
Data File : BM013565.D
Acq On : 10 Jan 2018 14:55
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 10 15:49:17 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 13:12:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02015

**Manual Integrations APPROVED**
Sohil
1/10/2018 5:55:21 PM



Data Path : U:\HPCHEM1\BNA M\DATA\BM011018\
Data File : BM013565.D
Acq On : 10 Jan 2018 14:55
Operator : SJ/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 10 15:33:34 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 10 13:12:38 2018
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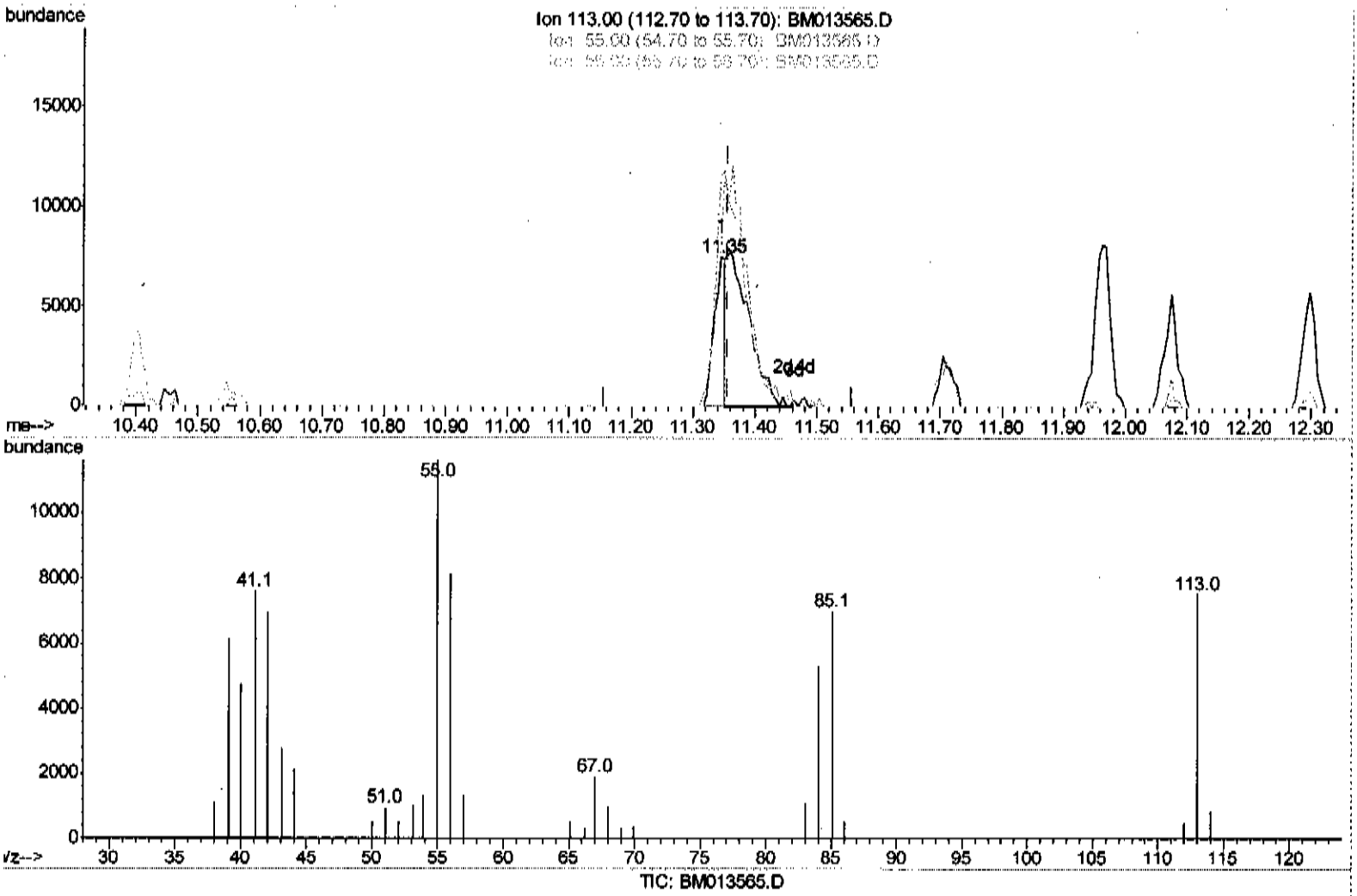


(32) Caprolactam

11.345min (-0.012) 6.59ng/ul

response 9934

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 260.00 | 154.60# |
| 56.00 | 200.00 | 107.81# |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
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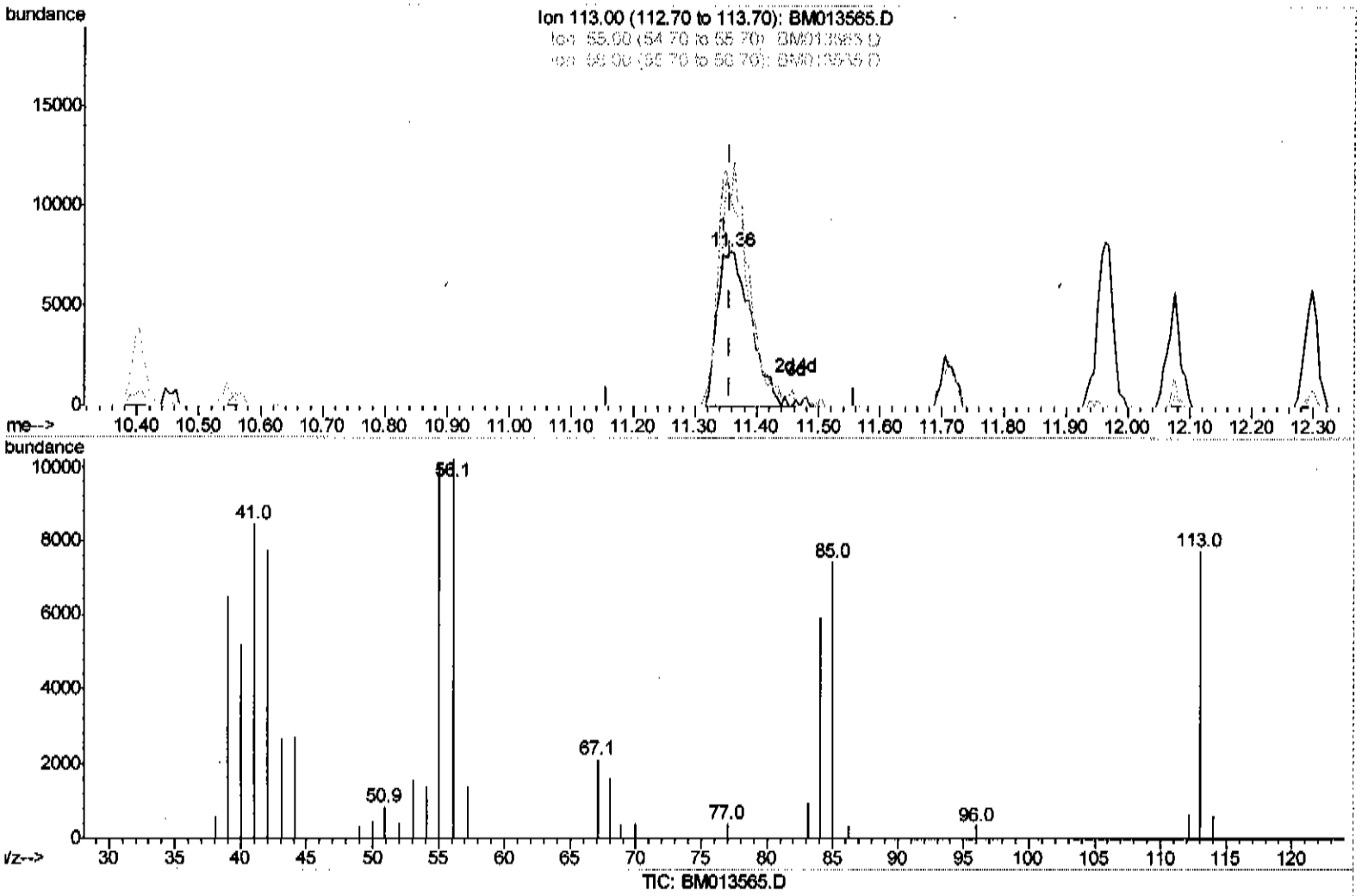
**Manual Integrations APPROVED**
Sohil
1/10/2018 5:55:21 PM




(32) Caprolactam

11.357min (-0.000) 19.22ng/ul m JU 01/17/18

response 28972

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 260.00 | 131.52# |
| 56.00 | 200.00 | 132.15# |
| 0.00 | 0.00 | 0.00 |

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Misc :
ALS Vial : 4 Sample Multiplier: 1

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**Instrument :** BNA_M
**LabSampleId :** SSTD02015

**Manual Integrations APPROVED**
Sohil
1/10/2018 5:55:21 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 90338 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 354980 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.27 | 164 | 218732 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.03 | 188 | 543950 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.22 | 240 | 652859 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.43 | 264 | 654730 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.17 | 96 | 19457 | 8.51 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.81 | 99 | 131540 | 18.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.97 | 67 | 84909 | 20.21 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.16 | 132 | 115523 | 20.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.34 | 113 | 104707 | 19.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 56335 | 20.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.50 | 143 | 57471 | 19.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 115459 | 20.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.55 | 131 | 90680 | 18.59 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.69 | 166 | 361348 | 20.04 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.97 | 160 | 461581 | 20.08 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.50 | 143 | 56151 | 19.17 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.27 | 176 | 324986 | 20.50 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 60097 | 18.36 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.13 | 188 | 531372 | 20.06 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.43 | 212 | 592952 | 19.51 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.29 | 264 | 607358 | 20.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.20 | 88 | 21554 | 8.608 | ng/uL# | 59 |
| 4) Benzaldehyde | 6.78 | 77 | 105631 | 22.009 | ng/ul | 93 |
| 6) Phenol | 6.83 | 94 | 136674 | 19.648 | ng/ul | 91 |
| 8) Bis(2-Chloroethyl)ether | 7.06 | 93 | 106708 | 19.604 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.19 | 128 | 115451 | 20.499 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.07 | 108 | 97890 | 19.091 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16 | 45 | 107680 | 19.442 | ng/ul# | 76 |
| 14) Acetophenone | 8.45 | 105 | 172810 | 19.587 | ng/ul | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.43 | 70 | 88159 | 20.482 | ng/ul# | 74 |
| 16) 4-Methylphenol | 8.40 | 108 | 108948 | 19.872 | ng/ul | 97 |
| 17) Hexachloroethane | 8.69 | 117 | 55495 | 20.243 | ng/ul# | 72 |
| 20) Nitrobenzene | 8.82 | 77 | 140706 | 19.774 | ng/ul | 97 |
| 21) Isophorone | 9.35 | 82 | 225972 | 19.655 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.53 | 139 | 62879 | 20.730 | ng/ul# | 84 |
| 24) 2,4-Dimethylphenol | 9.60 | 107 | 130878 | 20.466 | ng/ul# | 90 |
| 25) Bis(2-Chloroethoxy)methane | 9.83 | 93 | 140037 | 19.980 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 10.06 | 162 | 108350 | 19.996 | ng/ul# | 91 |
| 28) Naphthalene | 10.45 | 128 | 356697 | 20.198 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.57 | 127 | 90568 | 18.723 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.73 | 225 | 91876 | 20.656 | ng/ul | 93 |
| 32) Caprolactam | 11.36 | 113 | 28972m> | 19.219 | ng/ul | > |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 107824 | 19.629 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 12.07 | 142 | 264544 | 20.092 | ng/ul | 95 |

JU 01/17/18

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**LabSampleId :** SSTD02015

**Manual Integrations APPROVED**
Sohil
1/10/2018 5:55:21 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216 | 159425 | 19.670 | ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 12.42 | 237 | 64581 | 19.193 | ng/ul | 94 |
| 38) 2,4,6-Trichlorophenol | 12.70 | 196 | 95268 | 20.307 | ng/ul | 91 |
| 39) 2,4,5-Trichlorophenol | 12.77 | 196 | 100581 | 20.604 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.10 | 154 | 358505 | 19.690 | ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.14 | 162 | 285321 | 20.047 | ng/ul | 97 |
| 42) 2-Nitroaniline | 13.36 | 65 | 77519 | 19.745 | ng/ul | 98 |
| 44) Dimethylphthalate | 13.74 | 163 | 349324 | 19.708 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.86 | 165 | 68143 | 19.839 | ng/ul# | 93 |
| 47) Acenaphthylene | 14.00 | 152 | 423403 | 20.130 | ng/ul | 100 |
| 48) 3-Nitroaniline | 14.19 | 138 | 48652 | 18.011 | ng/ul | 97 |
| 49) Acenaphthene | 14.34 | 153 | 292891 | 20.106 | ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.41 | 184 | 33065 | 16.793 | ng/ul# | 87 |
| 52) 4-Nitrophenol | 14.52 | 109 | 60060 | 20.181 | ng/ul# | 82 |
| 53) Dibenzofuran | 14.68 | 168 | 442888 | 20.210 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.66 | 165 | 106498 | 21.270 | ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.91 | 232 | 95585 | 20.817 | ng/ul# | 90 |
| 56) Diethylphthalate | 15.12 | 149 | 362589 | 20.327 | ng/ul | 94 |
| 58) Fluorene | 15.33 | 166 | 362082 | 20.170 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204 | 202688 | 20.896 | ng/ul | 94 |
| 60) 4-Nitroaniline | 15.36 | 138 | 70808 | 22.403 | ng/ul | 86 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198 | 62480 | 18.079 | ng/ul | 97 |
| 64) N-Nitrosodiphenylamine | 15.54 | 169 | 310727 | 19.423 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.22 | 248 | 127820 | 19.895 | ng/ul# | 89 |
| 66) Hexachlorobenzene | 16.33 | 284 | 134961 | 19.516 | ng/ul# | 90 |
| 67) Atrazine | 16.50 | 200 | 127344 | 19.944 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.69 | 266 | 67561 | 18.385 | ng/ul | 91 |
| 69) Phenanthrene | 17.07 | 178 | 609861 | 20.170 | ng/ul | 99 |
| 71) Anthracene | 17.16 | 178 | 616949 | 19.782 | ng/ul | 99 |
| 72) Carbazole | 17.43 | 167 | 518112 | 20.126 | ng/ul | 100 |
| 73) Di-n-butylphthalate | 18.00 | 149 | 617275 | 20.388 | ng/ul | 98 |
| 74) Fluoranthene | 19.09 | 202 | 728667 | 20.189 | ng/ul# | 94 |
| 77) Pyrene | 19.46 | 202 | 776268 | 19.559 | ng/ul# | 94 |
| 78) Butylbenzylphthalate | 20.37 | 149 | 278554 | 19.924 | ng/ul | 96 |
| 79) 3,3'-Dichlorobenzidine | 21.14 | 252 | 200420 | 18.557 | ng/ul | 89 |
| 80) Benzo(a)anthracene | 21.21 | 228 | 788946 | 19.999 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 409226 | 19.509 | ng/ul# | 98 |
| 82) Chrysene | 21.26 | 228 | 717298 | 19.820 | ng/ul | 98 |
| 84) Di-n-octyl phthalate | 22.02 | 149 | 714733 | 18.114 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 22.77 | 252 | 840717 | 20.909 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.81 | 252 | 744540 | 19.157 | ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.33 | 252 | 775273 | 20.410 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 891414 | 19.881 | ng/ul# | 96 |
| 90) Dibenzo(a,h)anthracene | 25.64 | 278 | 770427 | 20.347 | ng/ul# | 97 |
| 91) Benzo(g,h,i)perylene | 26.30 | 276 | 731504 | 19.822 | ng/ul# | 94 |

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