

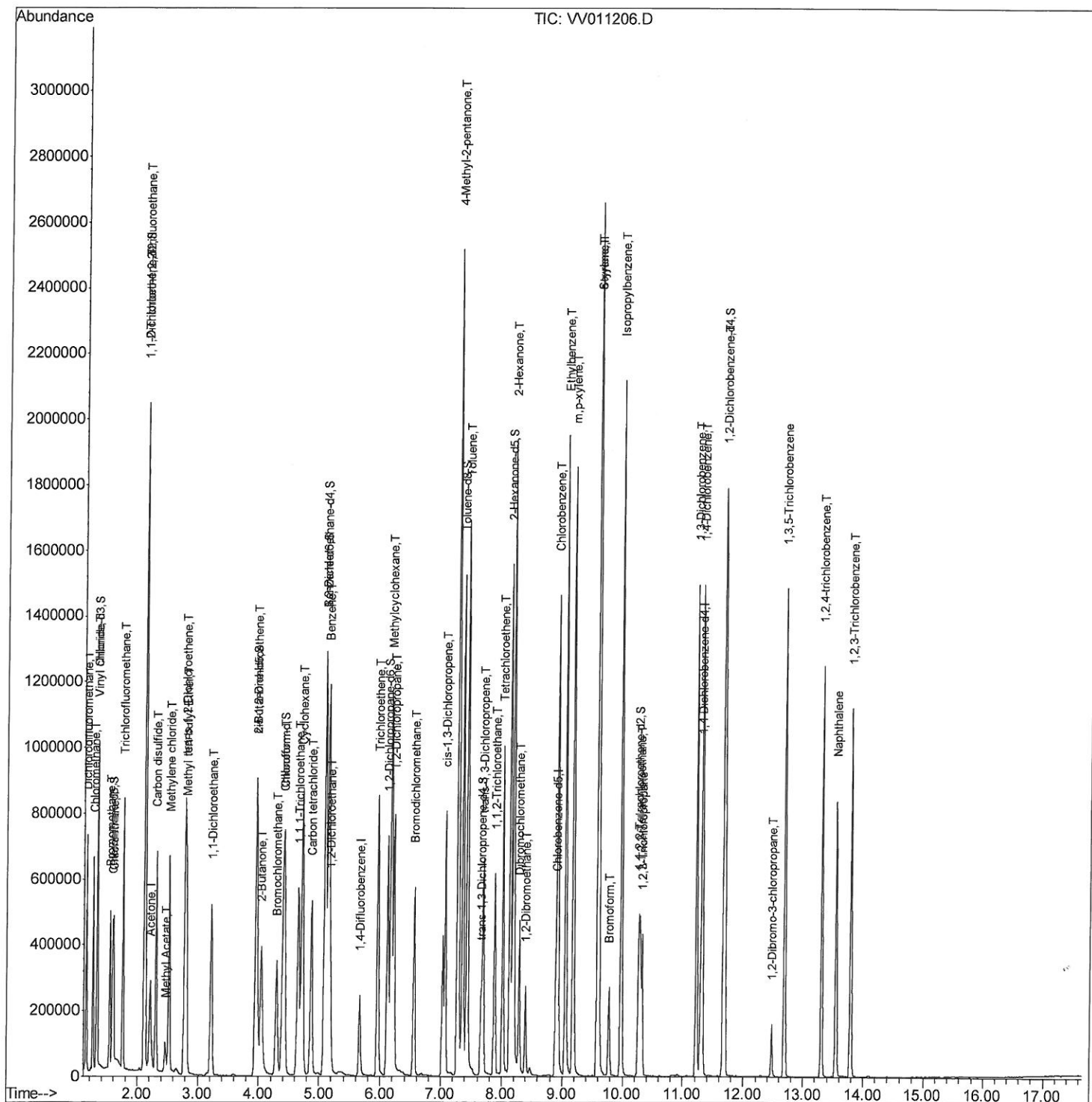
Data File : VV011206.D  
Acq On : 04 Jun 2019 14:43  
Operator : SY/MD  
Sample : VSTD02041  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD02041

## Manual Integrations APPROVED

MMDadoda  
6/5/2019 9:08:49 AM

Quant Time: Jun 04 15:05:53 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 04 14:12:35 2019  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060419\  
Quantitation Report (Qedit)

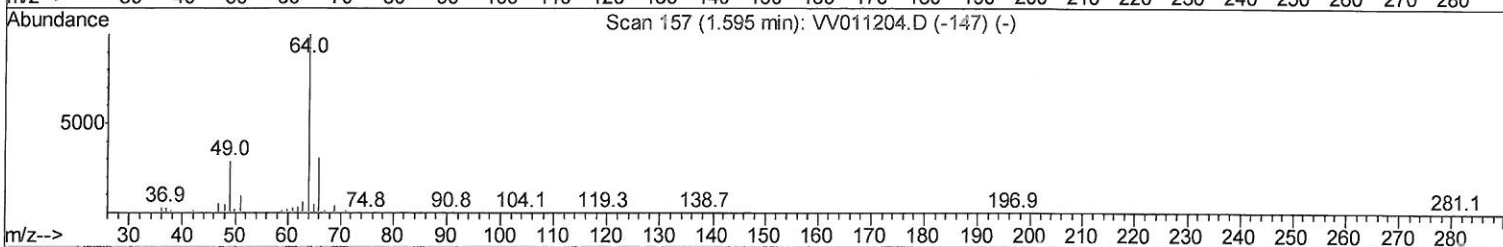
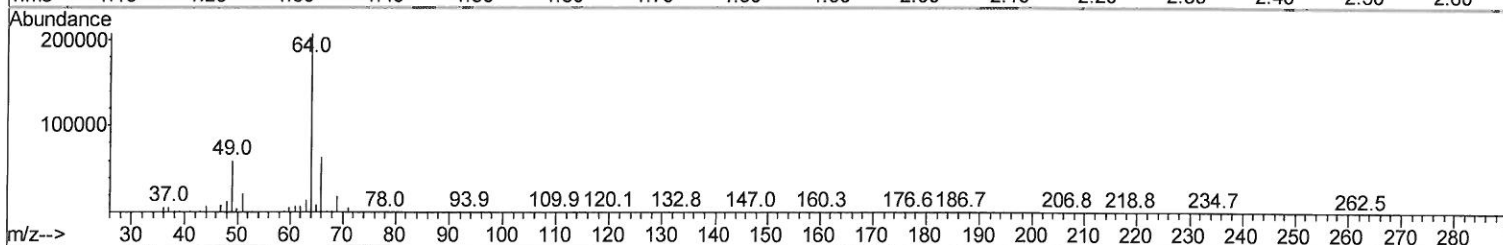
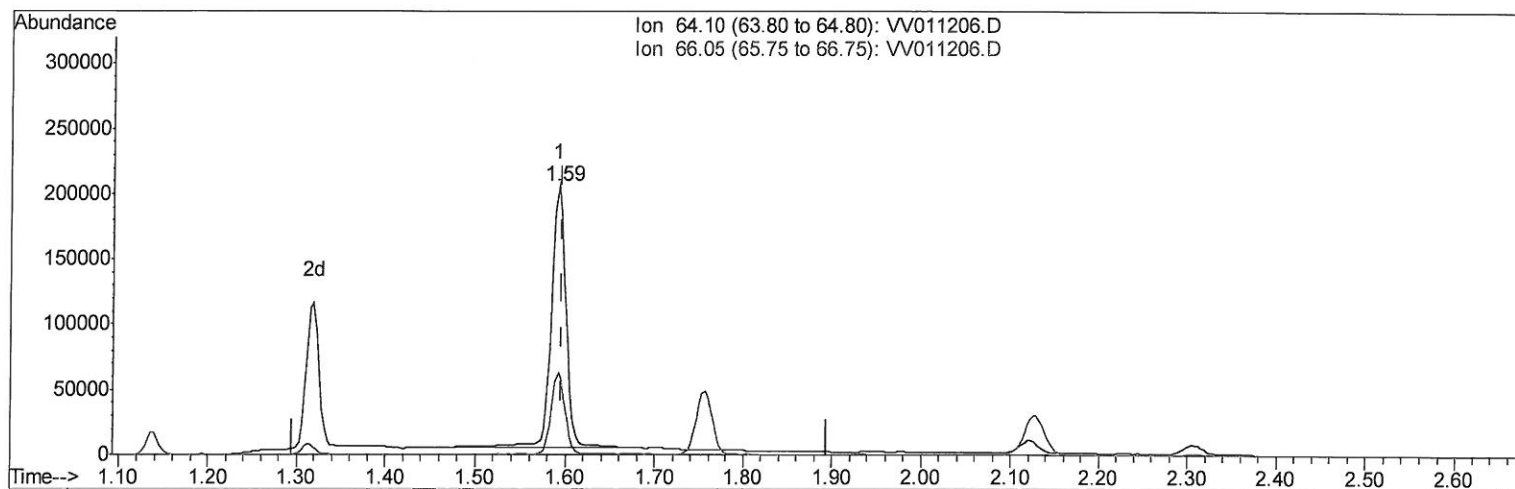
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Quant Time: Jun 04 15:04:28 2019  
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TIC: VV011206.D

(8) Chloroethane (T)

1.592min (-0.003) 34.14ug/L

response 228467

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 64.10 | 100   | 100   |
| 66.05 | 27.70 | 30.67 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV060419\  
Quantitation Report (Qedit)

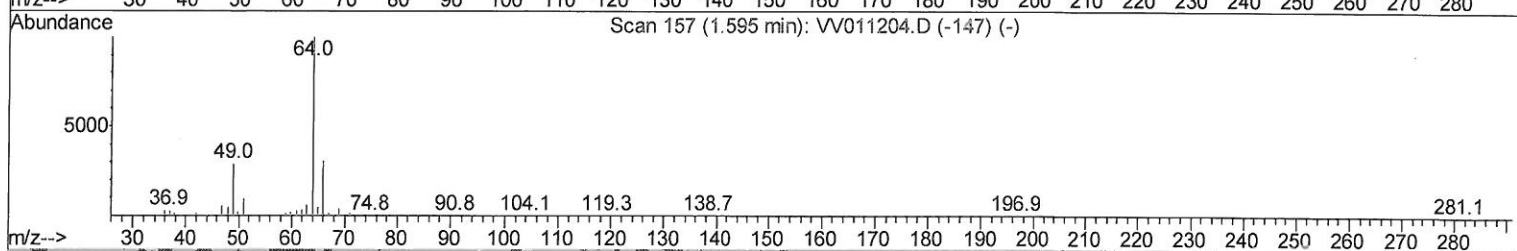
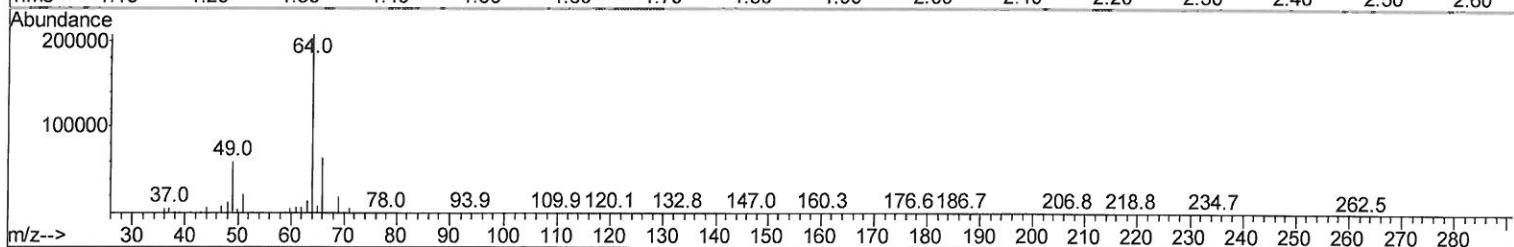
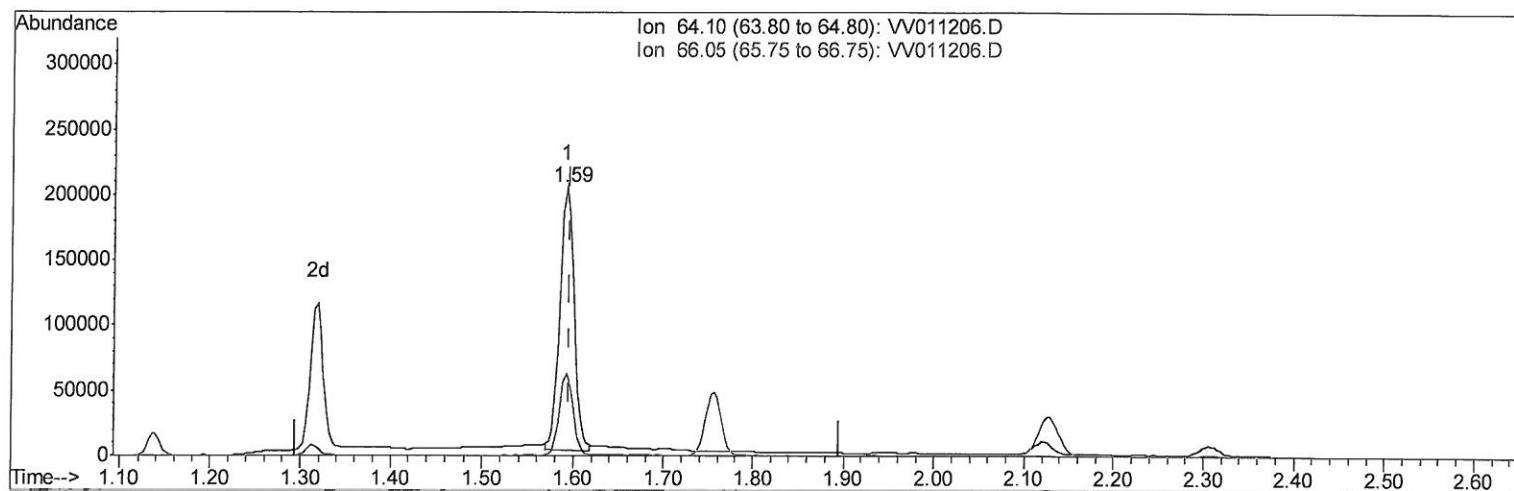
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Manual Integrations  
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QLast Update : Tue Jun 04 14:12:35 2019  
Response via : Initial Calibration



TIC: VV011206.D

(8) Chloroethane (T)

1.592min (-0.003) 33.13ug/L m

206/05/19 Sy

response 221714

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 64.10 | 100   | 100   |
| 66.05 | 27.70 | 30.67 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV060419\  
Quantitation Report (QT Reviewed)

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Operator : SY/MD  
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Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampled :  
VSTD02041

Manual Integrations  
APPROVED

MMDadoda  
6/5/2019 9:08:49 AM

Quant Time: Jun 04 15:05:53 2019  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 04 14:12:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 195396   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 185233   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 86565    | 5.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |       |     |         |        |      |      |
|--------------------------------|-------|-----|---------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.31  | 65  | 277933  | 24.21  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 237137  | 32.06  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.12  | 63  | 560574  | 24.48  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.95  | 46  | 658969  | 244.35 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 520791  | 20.32  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 268570  | 21.52  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.09  | 84  | 1039410 | 21.87  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 319411  | 22.49  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 965310  | 20.91  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.66  | 79  | 129954  | 25.74  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.13  | 63  | 529249  | 262.42 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 223480  | 21.10  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 317000  | 19.49  | ug/L | 0.00 |

Target Compounds

|                                |      |     |         |              | Qvalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 358826  | 20.161 ug/L  | 98     |
| 3) Chloromethane               | 1.25 | 50  | 341326  | 22.574 ug/L  | 100    |
| 5) Vinyl chloride              | 1.32 | 62  | 336881  | 22.060 ug/L  | 95     |
| 6) Bromomethane                | 1.53 | 94  | 171067  | 18.600 ug/L  | 97     |
| 8) Chloroethane                | 1.59 | 64  | 221714m | 33.131 ug/L  | 97     |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 450418  | 18.452 ug/L  | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 236768  | 18.450 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 227002  | 19.469 ug/L  | 95     |
| 13) Acetone                    | 2.21 | 43  | 410974  | 256.641 ug/L | 99     |
| 14) Carbon disulfide           | 2.31 | 76  | 707435  | 22.171 ug/L  | 100    |
| 15) Methyl Acetate             | 2.47 | 43  | 103709  | 20.934 ug/L  | 96     |
| 16) Methylene chloride         | 2.53 | 84  | 235180  | 16.894 ug/L  | 99     |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 636983  | 23.008 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 260750  | 19.522 ug/L  | 98     |
| 19) 1,1-Dichloroethane         | 3.22 | 63  | 508077  | 20.773 ug/L  | 99     |
| 21) 2-Butanone                 | 4.04 | 43  | 700992  | 257.567 ug/L | 96     |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 288567  | 20.127 ug/L  | 97     |
| 23) Bromochloromethane         | 4.30 | 128 | 109523  | 18.039 ug/L  | 96     |
| 25) Chloroform                 | 4.42 | 83  | 512842  | 19.621 ug/L  | 99     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 322853  | 21.567 ug/L  | 99     |
| 29) 1,1,1-Trichloroethane      | 4.65 | 97  | 441213  | 20.741 ug/L  | 100    |
| 30) Cyclohexane                | 4.72 | 56  | 484141  | 24.183 ug/L  | 100    |
| 31) Carbon tetrachloride       | 4.87 | 117 | 379311  | 19.927 ug/L  | 97     |
| 33) Benzene                    | 5.14 | 78  | 1102080 | 21.593 ug/L  | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 286733  | 19.951 ug/L  | 99     |
| 35) Methylcyclohexane          | 6.17 | 83  | 467777  | 22.468 ug/L  | 98     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 280600  | 22.497 ug/L  | 99     |
| 38) Bromodichloromethane       | 6.55 | 83  | 358260  | 22.527 ug/L  | 99     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 437364  | 25.872 ug/L  | 99     |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 1819424 | 265.713 ug/L | 100    |

06/05/19 SY

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QLast Update : Tue Jun 04 14:12:35 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.43  | 91   | 1176182  | 20.599  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 333147   | 25.266  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 178400   | 20.131  | ug/L  | 98       |
| 47) Tetrachloroethene          | 8.02  | 164  | 204229   | 18.004  | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.19  | 43   | 1334514  | 271.706 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.29  | 129  | 218359   | 21.160  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 167868   | 21.199  | ug/L  | 98       |
| 51) Chlorobenzene              | 8.92  | 112  | 720487   | 19.406  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.05  | 91   | 1329572  | 21.955  | ug/L  | 99       |
| 53) m,p-xylene                 | 9.18  | 106  | 495885   | 21.379  | ug/L  | 99       |
| 54) o-xylene                   | 9.59  | 106  | 485548   | 21.501  | ug/L  | 99       |
| 55) Styrene                    | 9.60  | 104  | 813581   | 21.715  | ug/L  | 97       |
| 56) Isopropylbenzene           | 9.97  | 105  | 1304649  | 22.261  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 216976   | 21.677  | ug/L  | 97       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 161820   | 22.813  | ug/L  | 98       |
| 61) Bromoform                  | 9.77  | 173  | 109180   | 20.919  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 538802   | 19.398  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 527553   | 19.060  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146  | 496464   | 18.803  | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 37178    | 24.564  | ug/L  | 88       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 398875   | 19.141  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 330179   | 21.118  | ug/L  | 97       |
| 69) Naphthalene                | 13.55 | 128  | 601099   | 25.136  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 295701   | 21.207  | ug/L  | 98       |

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