

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052220\  
 Data File : VV016187.D  
 Acq On : 22 May 2020 21:37  
 Operator : SY/MD  
 Sample : L2756-06MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETKW8MSD

Manual Integrations  
 APPROVED

MMDadoda  
 5/26/2020 9:35:29 AM

Quant Time: May 25 02:14:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 23 05:08:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 171793   | 5.00 | ug/L  | 0.02     |
| 28) Chlorobenzene-d5       | 8.88  | 117  | 158601   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.28 | 152  | 78879    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |           |
|--------------------------------|--------|-------|----------|----------|------|-----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 54906    | 5.89     | ug/L | 0.00      |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 117.80%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 39936    | 4.52     | ug/L | 0.00      |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.40%    |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 3657170  | 182.48   | ug/L | 0.01      |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 3649.60%# |
| 20) 2-Butanone-d5              | 4.05   | 46    | 45622    | 17.16    | ug/L | 0.07      |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 34.32%#   |
| 24) Chloroform-d               | 4.40   | 84    | 100703   | 4.94     | ug/L | 0.02      |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%    |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 46766    | 4.00     | ug/L | 0.02      |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.00%    |
| 32) Benzene-d6                 | 5.10   | 84    | 197042   | 5.22     | ug/L | 0.02      |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.40%   |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 60716    | 5.27     | ug/L | 0.01      |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.40%   |
| 41) Toluene-d8                 | 7.36   | 98    | 203593m  | 5.71     | ug/L | 0.03      |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.20%   |
| 45) trans-1,3-Dichloropropene- | 7.66   | 79    | 20965    | 4.64     | ug/L | 0.01      |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.80%    |
| 48) 2-Hexanone-d5              | 8.13   | 63    | 89279    | 44.95    | ug/L | 0.00      |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.90%    |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37526    | 4.63     | ug/L | 0.00      |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.60%    |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 64298    | 5.02     | ug/L | 0.00      |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.40%   |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response  | Conc     | Units  | Ovalue |
|--------------------------------|------|------|-----------|----------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.13 | 85   | 1183      | 0.090    | ug/L   | 94     |
| 3) Chloromethane               | 1.24 | 50   | 1450      | 0.109    | ug/L   | 98     |
| 5) Vinyl chloride              | 1.32 | 62   | 1127078   | 88.437   | ug/L   | 100    |
| 8) Chloroethane                | 1.60 | 64   | 13482     | 1.485    | ug/L   | 84     |
| 9) Trichlorofluoromethane      | 1.77 | 101  | 42840     | 2.451    | ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 430540    | 43.603   | ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.14 | 96   | 6211915   | 657.067  | ug/L # | 58     |
| 14) Carbon disulfide           | 2.32 | 76   | 28252     | 0.905    | ug/L   | 100    |
| 16) Methylene chloride         | 2.52 | 84   | 12581457  | 1112.176 | ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96   | 953565    | 91.268   | ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 3.23 | 63   | 21213727  | 1054.179 | ug/L   | 94     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96   | 74692922m | 6829.302 | ug/L   |        |
| 25) Chloroform                 | 4.42 | 83   | 96953     | 4.375    | ug/L   | 99     |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97   | 51008551m | 2916.449 | ug/L   |        |
| 30) Cyclohexane                | 4.75 | 56   | 1410334   | 80.468   | ug/L   | 92     |
| 33) Benzene                    | 5.14 | 78   | 7842103   | 196.528  | ug/L   | 100    |
| 34) Trichloroethene            | 5.95 | 95   | 2284248   | 200.562  | ug/L   | 94     |

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 QLast Update : Sat May 23 05:08:14 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response  | Conc     | Units  | Dev(Min) |
|---------------------------|-------|------|-----------|----------|--------|----------|
| 35) Methylcyclohexane     | 6.17  | 83   | 1775488   | 103.058  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone  | 7.31  | 43   | 2616762   | 414.126  | ug/L   | 97       |
| 42) Toluene               | 7.41  | 91   | 52183726m | 1233.770 | ug/L   |          |
| 47) 1,1,2-Trichloroethane | 7.87  | 97   | 61215     | 9.042    | ug/L   | 97       |
| 49) Tetrachloroethene     | 8.01  | 164  | 252693    | 31.798   | ug/L   | 98       |
| 50) 2-Hexanone            | 8.18  | 43   | 141294    | 31.620   | ug/L   | 96       |
| 53) Chlorobenzene         | 8.91  | 112  | 184512    | 6.783    | ug/L   | 97       |
| 54) Ethylbenzene          | 9.04  | 91   | 24712664m | 513.831  | ug/L   |          |
| 55) m,p-xylene            | 9.19  | 106  | 24415727m | 1371.030 | ug/L   |          |
| 56) o-xylene              | 9.59  | 106  | 11871029  | 697.240  | ug/L # | 47       |
| 57) Styrene               | 9.60  | 104  | 5517496   | 193.746  | ug/L   | 82       |
| 58) Isopropylbenzene      | 9.96  | 105  | 1070050   | 22.876   | ug/L   | 99       |
| 63) 1,3-Dichlorobenzene   | 11.21 | 146  | 10165     | 0.478    | ug/L   | 90       |
| 64) 1,4-Dichlorobenzene   | 11.30 | 146  | 96599     | 4.524    | ug/L   | 99       |
| 66) 1,2-Dichlorobenzene   | 11.67 | 146  | 565712    | 29.412   | ug/L   | 97       |

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

