

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082319\  
 Data File : VV012360.D  
 Acq On : 23 Aug 2019 12:45  
 Operator : SY/MD  
 Sample : VSTD00134  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00134

Manual Integrations  
 APPROVED

MMDadoda  
 8/27/2019 9:49:52 AM

Quant Time: Aug 24 00:44:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 24 00:30:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 279382   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 265655   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 122302   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 11885 | 0.71 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 9111  | 0.72 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 21731 | 0.78 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.98  | 46  | 30275 | 8.14 | ug/L | 0.02 |
| 24) Chloroform-d               | 4.40  | 84  | 27861 | 0.82 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 12931 | 0.81 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 54683 | 0.81 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 16172 | 0.81 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 47838 | 0.78 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 6071  | 0.80 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 14854 | 6.23 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 10499 | 0.77 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 17348 | 0.84 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 22068 | 0.848 ug/L   | 97     |
| 3) Chloromethane               | 1.25 | 50  | 16486 | 0.717 ug/L   | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 15958 | 0.681 ug/L   | 99     |
| 6) Bromomethane                | 1.53 | 94  | 7075  | 0.553 ug/L   | 91     |
| 8) Chloroethane                | 1.60 | 64  | 8017  | 0.609 ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 21767 | 0.729 ug/L   | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 11577 | 0.762 ug/L   | 94     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 10230 | 0.719 ug/L   | 92     |
| 13) Acetone                    | 2.23 | 43  | 16044 | 7.234 ug/L   | 64     |
| 14) Carbon disulfide           | 2.32 | 76  | 31682 | 0.757 ug/L   | 99     |
| 15) Methyl Acetate             | 2.47 | 43  | 3653  | 0.659 ug/L   | 92     |
| 16) Methylene chloride         | 2.53 | 84  | 12223 | 0.799 ug/L   | 94     |
| 17) Methyl tert-butyl Ether    | 2.80 | 73  | 29562 | 0.749 ug/L   | 99     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 14716 | 0.768 ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 28091 | 0.803 ug/L   | 97     |
| 21) 2-Butanone                 | 4.06 | 43  | 33234 | 7.353 ug/L # | 69     |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 17083 | 0.822 ug/L   | 99     |
| 23) Bromochloromethane         | 4.30 | 128 | 7433  | 0.842 ug/L   | 91     |
| 25) Chloroform                 | 4.42 | 83  | 32822 | 0.831 ug/L   | 100    |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 16858 | 0.786 ug/L   | 95     |
| 29) 1,1,1-Trichloroethane      | 4.65 | 97  | 23884 | 0.765 ug/L   | 98     |
| 30) Cyclohexane                | 4.72 | 56  | 23407 | 0.750 ug/L   | 98     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 20907 | 0.744 ug/L   | 99     |
| 33) Benzene                    | 5.14 | 78  | 59923 | 0.774 ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 17304 | 0.824 ug/L   | 96     |
| 35) Methylcyclohexane          | 6.17 | 83  | 24874 | 0.770 ug/L   | 95     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 14910 | 0.770 ug/L   | 98     |
| 38) Bromodichloromethane       | 6.55 | 83  | 18515 | 0.746 ug/L   | 99     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 19518 | 0.746 ug/L   | 100    |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 76826 | 7.287 ug/L   | 98     |

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 QLast Update : Sat Aug 24 00:30:48 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 42) Toluene                    | 7.43  | 91   | 57461    | 0.703 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 14691    | 0.705 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 10601    | 0.828 | ug/L   | 96       |
| 47) Tetrachloroethene          | 8.02  | 164  | 13345    | 0.778 | ug/L   | 98       |
| 48) 2-Hexanone                 | 8.20  | 43   | 55362m   | 7.448 | ug/L   |          |
| 49) Dibromochloromethane       | 8.29  | 129  | 11715    | 0.739 | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 9483     | 0.769 | ug/L   | 96       |
| 51) Chlorobenzene              | 8.93  | 112  | 40944    | 0.775 | ug/L   | 94       |
| 52) Ethylbenzene               | 9.05  | 91   | 62452    | 0.717 | ug/L   | 97       |
| 53) m,p-xylene                 | 9.18  | 106  | 23274    | 0.700 | ug/L   | 99       |
| 54) o-xylene                   | 9.59  | 106  | 21317    | 0.676 | ug/L   | 97       |
| 55) Styrene                    | 9.60  | 104  | 35537    | 0.675 | ug/L   | 94       |
| 56) Isopropylbenzene           | 9.97  | 105  | 57903    | 0.684 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 10170    | 0.693 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 8405     | 0.775 | ug/L   | 96       |
| 61) Bromoform                  | 9.77  | 173  | 6553     | 0.869 | ug/L   | 91       |
| 62) 1,3-Dichlorobenzene        | 11.22 | 146  | 29815    | 0.767 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 29442    | 0.760 | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146  | 27421    | 0.768 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 1506     | 0.667 | ug/L # | 83       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 22441    | 0.762 | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.31 | 180  | 13478    | 0.621 | ug/L   | 98       |
| 69) Naphthalene                | 13.56 | 128  | 14939    | 0.487 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 12187    | 0.597 | ug/L   | 97       |
| -----                          |       |      |          |       |        |          |

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

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