

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081821\  
 Data File : VX023825.D  
 Acq On : 18 Aug 2021 18:35  
 Operator : JC/MD  
 Sample : VX0818MBSD01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0818MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2021 5:29:11 PM

Quant Time: Aug 19 04:21:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 196762     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 318473     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.061         | 117  | 294534     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 135649     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 133925     | 48.768  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 97.540% |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 102244     | 48.505  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.020% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 386256     | 48.145  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 96.300% |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 139677     | 47.294  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.580% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 41695      | 20.085  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 45988      | 20.180  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 43972      | 19.784  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 30524      | 21.843  | ug/l   | 100      |
| 6) Chloroethane              | 1.685          | 64   | 27804      | 17.108  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 71067      | 20.248  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.142          | 74   | 24983      | 20.382  | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 39464      | 19.981  | ug/l   | 96       |
| 10) Methyl Iodide            | 2.453          | 142  | 54560      | 19.840  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 57353      | 103.271 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 37097      | 19.645  | ug/l   | 89       |
| 13) Acrolein                 | 2.239          | 56   | 29597      | 89.555  | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 67066      | 19.272  | ug/l   | 92       |
| 15) Acrylonitrile            | 3.069          | 53   | 126600     | 102.311 | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 116281     | 94.700  | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 83084      | 18.448  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 62345      | 20.339  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 132549     | 20.168  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.794          | 84   | 44485      | 18.967  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 39139      | 19.405  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.776          | 45   | 137818     | 19.884  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.733          | 43   | 564854     | 100.744 | ug/l   | 94       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 76877      | 19.930  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 187375     | 100.749 | ug/l   | 90       |
| 26) 2,2-Dichloropropane      | 4.489          | 77   | 56082      | 17.714  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 45735      | 19.056  | ug/l   | 93       |
| 28) Bromochloromethane       | 4.910          | 49   | 35031      | 19.973  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 123991     | 102.926 | ug/l   | 87       |
| 30) Chloroform               | 5.105          | 83   | 79718      | 19.518  | ug/l   | 97       |
| 31) Cyclohexane              | 5.477          | 56   | 68710      | 19.475  | ug/l   | 88       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 68974      | 19.722  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 56891      | 19.290  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.727          | 43   | 70466      | 19.437  | ug/l   | 94       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 59557      | 19.365  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 70316      | 19.581  | ug/l   | 96       |
| 40) Benzene                  | 6.050          | 78   | 170418     | 19.541  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081821\  
 Data File : VX023825.D  
 Acq On : 18 Aug 2021 18:35  
 Operator : JC/MD  
 Sample : VX0818MBSD01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0818MBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 8/19/2021 5:29:11 PM

Quant Time: Aug 19 04:21:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 17 11:57:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 36704    | 18.676  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 68591    | 20.012  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 6.355  | 43   | 110019   | 19.401  | ug/l   | 92       |
| 44) Trichloroethene           | 7.135  | 130  | 45083    | 18.714  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 44890    | 19.384  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 31927    | 19.811  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.830  | 83   | 55935    | 19.186  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.702  | 41   | 54427    | 19.675  | ug/l   | 84       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 23935    | 409.390 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 378624   | 103.290 | ug/l   | 89       |
| 52) Toluene                   | 8.720  | 92   | 109722   | 19.416  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 63015    | 18.156  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 67631    | 19.145  | ug/l # | 90       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 46533    | 20.001  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 70458    | 18.214  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 76587    | 19.848  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63   | 170798   | 91.169  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 297657   | 105.639 | ug/l   | 86       |
| 60) Dibromochloromethane      | 9.525  | 129  | 43128    | 17.906  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 48494    | 19.731  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 42128    | 17.908  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 121496   | 19.768  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 43304    | 19.796  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 211602   | 19.716  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 161737   | 39.564  | ug/l   | 100      |
| 69) o-Xylene                  | 10.646 | 106  | 77890    | 19.389  | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 130343   | 19.916  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 29294    | 17.775  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 207924   | 20.096  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.848 | 43   | 97921    | 20.942  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 72228    | 21.301  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 66336m   | 20.964  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 51961    | 20.390  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 235713   | 19.918  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 144257   | 20.168  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 173289   | 20.380  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 20062    | 18.649  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 161925   | 19.944  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.719 | 119  | 170191   | 20.609  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 173061   | 20.413  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.896 | 105  | 213992   | 20.468  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 177211   | 20.594  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 90705    | 19.673  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 92012    | 20.010  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 150770   | 19.624  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.542 | 117  | 26789    | 18.803  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 89105    | 19.949  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 13796    | 18.764  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 51251    | 19.065  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 22816    | 19.042  | ug/l   | 98       |
| 95) Naphthalene               | 13.780 | 128  | 177711   | 18.734  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 53140    | 19.848  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081821\  
Data File : VX023825.D  
Acq On : 18 Aug 2021 18:35  
Operator : JC/MD  
Sample : VX0818MBSD01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0818MBSD01

Manual Integrations  
APPROVED

MMDadoda  
8/19/2021 5:29:11 PM

Quant Time: Aug 19 04:21:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081821\  
Data File : VX023825.D  
Acq On : 18 Aug 2021 18:35  
Operator : JC/MD  
Sample : VX0818MBSD01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
Client Sampled :  
VX0818MBSD01

Manual Integrations  
APPROVED

MMDadoda  
8/19/2021 5:29:11 PM

Quant Time: Aug 19 04:21:28 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 17 11:57:51 2021  
Response via : Initial Calibration

