

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112120\  
 Data File : VX019503.D  
 Acq On : 20 Nov 2020 18:12  
 Operator : JC/MD  
 Sample : L4827-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 201118060-02-VOA

Manual Integrations  
 APPROVED

MMDadoda  
 11/23/2020 3:51:10 PM

Quant Time: Nov 21 04:25:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112120W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 21 01:57:45 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 273751   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 446355   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 386005   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 174977   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |        |
|---------------------------|--------|-------|----------|----------|------|--------|
| 33) 1,2-Dichloroethane-d4 | 6.03   | 65    | 169999   | 47.89    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | =    | 95.78% |
| 35) Dibromofluoromethane  | 5.46   | 113   | 128077   | 45.71    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | =    | 91.42% |
| 50) Toluene-d8            | 8.70   | 98    | 525128   | 48.23    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | =    | 96.46% |
| 62) 4-Bromofluorobenzene  | 11.12  | 95    | 179038   | 45.71    | ug/l | 0.00   |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | =    | 91.42% |

## Target Compounds

|                             |       |     |         |          | Qvalue    |
|-----------------------------|-------|-----|---------|----------|-----------|
| 4) Vinyl Chloride           | 1.39  | 62  | 1184    | 0.360    | ug/l # 81 |
| 8) Diethyl Ether            | 2.17  | 74  | 9433    | 4.963    | ug/l 98   |
| 11) Tert butyl alcohol      | 3.05  | 59  | 2386970 | 3553.473 | ug/l 100  |
| 16) Acetone                 | 2.43  | 43  | 19123   | 13.932   | ug/l 97   |
| 19) Methyl tert-butyl Ether | 3.17  | 73  | 24195   | 2.579    | ug/l 98   |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96  | 1489    | 0.421    | ug/l # 20 |
| 29) Tetrahydrofuran         | 5.09  | 42  | 695697  | 528.800  | ug/l 99   |
| 40) Benzene                 | 6.11  | 78  | 29782   | 2.316    | ug/l 98   |
| 42) 1,2-Dichloroethane      | 6.15  | 62  | 2190    | 0.497    | ug/l 91   |
| 49) 1,4-Dioxane             | 7.72  | 88  | 6069    | 86.427   | ug/l 96   |
| 51) 4-Methyl-2-Pentanone    | 8.62  | 43  | 22849   | 5.933    | ug/l # 75 |
| 52) Toluene                 | 8.76  | 92  | 10870   | 1.382    | ug/l 97   |
| 65) Chlorobenzene           | 10.12 | 112 | 7265    | 0.915    | ug/l 89   |
| 67) Ethyl Benzene           | 10.23 | 91  | 23792   | 1.711    | ug/l 100  |
| 68) m/p-Xylenes             | 10.34 | 106 | 31009   | 5.986    | ug/l 98   |
| 69) o-Xylene                | 10.68 | 106 | 23312   | 4.708    | ug/l 99   |
| 73) Isopropylbenzene        | 11.00 | 105 | 7333    | 0.606    | ug/l 99   |
| 80) 1,3,5-Trimethylbenzene  | 11.49 | 105 | 7159    | 0.705    | ug/l 99   |
| 84) 1,2,4-Trimethylbenzene  | 11.79 | 105 | 16234   | 1.580    | ug/l 98   |
| 86) p-Isopropyltoluene      | 12.05 | 119 | 5753m   | 0.542    | ug/l      |
| 88) 1,4-Dichlorobenzene     | 12.08 | 146 | 20799   | 3.558    | ug/l 89   |
| 91) 1,2-Dichlorobenzene     | 12.37 | 146 | 1704    | 0.299    | ug/l 90   |
| 95) Naphthalene             | 13.82 | 128 | 9341    | 2.870    | ug/l 98   |

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

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