Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013123\
Data File : VD075252.D
Acq On : 31 Jan 2023 17:36
Operator : KP/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 01 00:41:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.435 | 0.386 | 11.3 | 75 | 0.00 |
| 3 | P | Chloromethane | 0.646 | 0.655 | -1.4 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 0.693 | 0.690 | 0.4# | 75 | 0.00 |
| 5 | T | Bromomethane | 0.471 | 0.465 | 1.3 | 73 | 0.00 |
| 6 | T | Chloroethane | 0.481 | 0.490 | -1.9 | 73 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.881 | 0.933 | -5.9 | 78 | 0.00 |
| 8 | T | Diethyl Ether | 0.284 | 0.279 | 1.8 | 66 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.544 | 0.575 | -5.7 | 79 | 0.00 |
| 10 | T | Methyl Iodide | 0.732 | 0.679 | 7.2 | 60 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.036 | 0.028 | 22.2 | 59 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.573 | 0.560 | 2.3# | 70 | 0.00 |
| 13 | T | Acrolein | 0.035 | 0.030 | 14.3 | 73 | 0.00 |
| 14 | T | Allyl chloride | 0.929 | 0.933 | -0.4 | 68 | 0.00 |
| 15 | T | Acrylonitrile | 0.120 | 0.124 | -3.3 | 68 | 0.00 |
| 16 | T | Acetone | 0.135 | 0.144 | -6.7 | 64 | 0.00 |
| 17 | T | Carbon Disulfide | 1.857 | 1.671 | 10.0 | 65 | 0.00 |
| 18 | T | Methyl Acetate | 0.366 | 0.372 | -1.6 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.196 | 1.262 | -5.5 | 69 | -0.01 |
| 20 | T | Methylene Chloride | 0.849 | 0.711 | 16.3 | 63 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.637 | 0.638 | -0.2 | 69 | 0.00 |
| 22 | T | Diisopropyl ether | 1.729 | 1.876 | -8.5 | 73 | 0.00 |
| 23 | T | Vinyl Acetate | 0.762 | 0.911 | -19.6 | 82 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.087 | 1.132 | -4.1 | 72 | 0.00 |
| 25 | T | 2-Butanone | 0.163 | 0.168 | -3.1 | 65 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.969 | 0.998 | -3.0 | 74 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.695 | 0.709 | -2.0 | 69 | 0.00 |
| 28 | T | Bromochloromethane | 0.297 | 0.289 | 2.7 | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.093 | 0.094 | -1.1 | 66 | 0.00 |
| 30 | C | Chloroform | 1.084 | 1.156 | -6.6# | 73 | 0.00 |
| 31 | T | Cyclohexane | 1.023 | 0.972 | 5.0 | 74 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.934 | 1.021 | -9.3 | 77 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.510 | 0.550 | -7.8 | 72 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.302 | 0.349 | -15.6 | 73 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.485 | 0.534 | -10.1 | 75 | 0.00 |
| 37 | T | Ethyl Acetate | 0.196 | 0.221 | -12.8 | 73 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.409 | 0.511 | -24.9 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 0.598 | 0.627 | -4.8 | 74 | 0.00 |
| 40 | TM | Benzene | 1.384 | 1.502 | -8.5 | 70 | 0.00 |
| 41 | T | Methacrylonitrile | 0.118 | 0.114 | 3.4 | 67 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.364 | 0.425 | -16.8 | 74 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.381 | 0.423 | -11.0 | 71 | 0.00 |
| 44 | TM | Trichloroethene | 0.389 | 0.407 | -4.6 | 68 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.341 | 0.376 | -10.3# | 71 | 0.00 |
| 46 | T | Dibromomethane | 0.180 | 0.206 | -14.4 | 72 | 0.00 |
| 47 | T | Bromodichloromethane | 0.446 | 0.511 | -14.6 | 72 | 0.00 |
| 48 | T | Methyl methacrylate | 0.186 | 0.203 | -9.1 | 72 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 01 00:41:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 65 | 0.00 |
| 50 | S | Toluene-d8 | 1.190 | 1.305 | -9.7 | 71 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.183 | 0.210 | -14.8 | 73 | 0.00 |
| 52 | CM | Toluene | 0.875 | 0.971 | -11.0# | 71 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.422 | 0.479 | -13.5 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.516 | 0.577 | -11.8 | 69 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.238 | 0.268 | -12.6 | 71 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.286 | 0.313 | -9.4 | 67 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.409 | 0.461 | -12.7 | 69 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.098 | 0.113 | -15.3 | 78 | 0.00 |
| 59 | T | 2-Hexanone | 0.132 | 0.153 | -15.9 | 71 | 0.00 |
| 60 | T | Dibromochloromethane | 0.287 | 0.331 | -15.3 | 72 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.227 | 0.246 | -8.4 | 68 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.378 | 0.428 | -13.2 | 72 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 64 | T | Tetrachloroethene | 0.357 | 0.362 | -1.4 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 1.025 | 1.114 | -8.7 | 71 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.345 | 0.411 | -19.1 | 79 | 0.00 |
| 67 | C | Ethyl Benzene | 1.844 | 2.027 | -9.9# | 73 | 0.00 |
| 68 | T | m/p-Xylenes | 0.712 | 0.801 | -12.5 | 75 | 0.00 |
| 69 | T | o-Xylene | 0.668 | 0.752 | -12.6 | 73 | 0.00 |
| 70 | T | Styrene | 1.111 | 1.238 | -11.4 | 72 | 0.00 |
| 71 | P | Bromoform | 0.178 | 0.207 | -16.3 | 74 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 73 | 0.00 |
| 73 | T | Isopropylbenzene | 3.949 | 3.978 | -0.7 | 76 | 0.00 |
| 74 | T | N-amyl acetate | 0.865 | 0.859 | 0.7 | 73 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.629 | 0.632 | -0.5 | 72 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.423 | 0.422 | 0.2 | 78 | 0.00 |
| 77 | T | Bromobenzene | 0.902 | 0.889 | 1.4 | 71 | 0.00 |
| 78 | T | n-propylbenzene | 4.853 | 4.943 | -1.9 | 77 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.669 | 2.680 | -0.4 | 74 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.236 | 3.383 | -4.5 | 77 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.183 | 0.191 | -4.4 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.744 | 2.778 | -1.2 | 75 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.800 | 2.822 | -0.8 | 76 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.178 | 3.337 | -5.0 | 78 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.253 | 4.428 | -4.1 | 79 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.482 | 3.673 | -5.5 | 79 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.749 | 1.824 | -4.3 | 76 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.720 | 1.790 | -4.1 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 3.393 | 3.551 | -4.7 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 0.615 | 0.681 | -10.7 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.496 | 1.548 | -3.5 | 74 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.096 | 0.092 | 4.2 | 66 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.982 | 0.966 | 1.6 | 71 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.481 | 0.490 | -1.9 | 76 | 0.00 |
| 95 | T | Naphthalene | 1.956 | 1.777 | 9.2 | 68 | 0.00 |

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**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.838 | 0.821 | 2.0 | 71 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6