Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
Data File : VY010276.D
Acq On : 02 Sep 2022 13:06
Operator : KP/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY090222

Quant Time: Sep 02 16:42:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 16:41:46 2022
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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 45.409 | 9.2 | 101 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.593 | 4.8 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.498 | 3.0# | 100 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 58.357 | -16.7 | 107 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.348 | 1.3 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.526 | 0.9 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.060 | 1.9 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.109 | 1.8 | 101 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.644 | 4.7 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 227.946 | 8.8 | 104 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.600 | 2.8# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 247.799 | 0.9 | 100 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.972 | 2.1 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 246.500 | 1.4 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 251.072 | -0.4 | 89 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.080 | 5.8 | 99 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.129 | 5.7 | 100 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.314 | 1.4 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.790 | 6.4 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.973 | 2.1 | 100 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.478 | 1.0 | 100 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 248.873 | 0.5 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.392 | 1.2 | 100 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 245.746 | 1.7 | 98 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.349 | 1.3 | 100 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.533 | 0.9 | 99 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.901 | -1.8 | 97 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 244.724 | 2.1 | 102 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.763 | 0.5# | 100 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.246 | 7.5 | 99 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.872 | 0.3 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.379 | -0.8 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 45.720 | 8.6 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.719 | 0.6 | 100 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.346 | 1.3 | 102 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.385 | -0.8 | 101 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.100 | 1.8 | 99 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.755 | 0.5 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.298 | -6.6 | 119 | 0.02 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.928 | 0.1 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.740 | 0.5 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.208 | -0.4 | 100 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.959 | 0.1# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.109 | -0.2 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.656 | -1.3 | 101 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.570 | -1.1 | 101 | 0.00 |

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
ICVVY090222

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1029.534 | -3.0 | 109 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.636 | -7.3 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 252.180 | -0.9 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.038 | -0.1# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.192 | -0.4 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 50.043 | -0.1 | 100 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.641 | -1.3 | 103 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.302 | -0.6 | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.021 | -0.0 | 101 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 223.985 | 10.4 | 100 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 254.048 | -1.6 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.365 | -0.7 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.830 | -1.7 | 103 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.821 | 4.4 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.278 | 1.4 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.156 | -0.3 | 101 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.306 | -0.6 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.133 | -0.3# | 100 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.971 | -1.0 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.196 | -0.4 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.176 | -2.4 | 102 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.841 | -1.7 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.342 | 1.3 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.769 | 0.5 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.436 | 1.1 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.657 | 2.7 | 98 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.007 | 2.0 | 102 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.478 | 1.0 | 100 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.647 | 0.7 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.591 | 0.8 | 101 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.714 | 0.6 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.724 | 0.6 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.121 | -0.2 | 102 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.618 | 0.8 | 101 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.956 | 0.1 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.940 | 0.1 | 100 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.062 | -0.1 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.938 | 0.1 | 103 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.421 | -0.8 | 103 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.966 | 0.1 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.214 | -0.4 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.687 | 2.6 | 105 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.404 | -2.8 | 108 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.320 | -0.6 | 106 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.026 | -4.1 | 110 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.944 | -3.9 | 109 | 0.00 |

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